

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119604.D
 Acq On : 28 Mar 2020 8:41
 Operator : CG/JU
 Sample : L2053-04MS
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SAMS

Manual Integrations
 APPROVED

mohammad
 3/31/2020 8:13:59 AM

Quant Time: Mar 29 23:01:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	291813	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1156512	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	607377	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1247944	20.00	ng	0.00
76) Chrysene-d12	14.01	240	786712	20.00	ng	0.00
87) Perylene-d12	15.47	264	729157	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	2243858	122.41	ng	0.02
7) Phenol-d6	6.46	99	2618411	111.82	ng	0.00
23) Nitrobenzene-d5	7.40	82	2054909	96.57	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	953493	152.17	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3800660	92.70	ng	0.00
79) Terphenyl-d14	12.96	244	4315905	107.48	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.79	88	370456	40.918	ng	# 84
3) Pyridine	3.48	79	878572	35.225	ng	94
4) n-Nitrosodimethylamine	3.41	42	549107	45.145	ng	93
6) Aniline	6.49	93	463185	14.332	ng	99
8) 2-Chlorophenol	6.62	128	1068741	55.511	ng	99
9) Benzaldehyde	6.38	77	586391	39.475	ng	95
10) Phenol	6.47	94	1093123	43.749	ng	98
11) bis(2-Chloroethyl)ether	6.57	93	1040940	52.090	ng	99
12) 1,3-Dichlorobenzene	6.77	146	1000206	48.000	ng	98
13) 1,4-Dichlorobenzene	6.85	146	1008662	48.394	ng	98
14) 1,2-Dichlorobenzene	7.00	146	948927	48.709	ng	99
15) Benzyl Alcohol	6.97	79	899558	51.069	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.11	45	1960702	48.643	ng	99
17) 2-Methylphenol	7.09	107	854562	48.445	ng	99
18) Hexachloroethane	7.35	117	379930	49.741	ng	99
19) n-Nitroso-di-n-propylamine	7.25	70	752588	53.321	ng	98
20) 3+4-Methylphenols	7.24	107	984207	45.526	ng	# 80
22) Acetophenone	7.25	105	1388543	50.247	ng	# 93
24) Nitrobenzene	7.42	77	1122080	49.341	ng	98
25) Isophorone	7.66	82	2161543	50.074	ng	99
26) 2-Nitrophenol	7.73	139	579004	64.663	ng	91
27) 2,4-Dimethylphenol	7.77	122	982924	53.088	ng	100
28) bis(2-Chloroethoxy)methane	7.87	93	1363088	53.400	ng	99
29) 2,4-Dichlorophenol	7.97	162	891541	52.406	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	937514	49.830	ng	100
31) Naphthalene	8.14	128	2991582	50.266	ng	100
32) Benzoic acid	7.89	122	644956	54.153	ng	94
33) 4-Chloroaniline	8.19	127	159209	5.838	ng	95
34) Hexachlorobutadiene	8.26	225	524709	49.846	ng	99
35) Caprolactam	8.57	113	209588m	37.643	ng	
36) 4-Chloro-3-methylphenol	8.67	107	1001878	53.882	ng	98
37) 2-Methylnaphthalene	8.83	142	2106824	53.939	ng	99
38) 1-Methylnaphthalene	8.93	142	2021396	54.676	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	881456	49.512	ng	99

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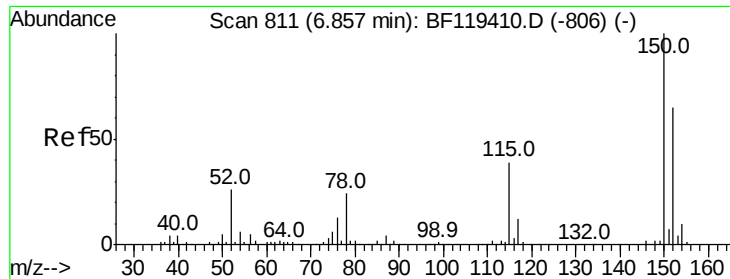
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	926508	91.543	nq	100
43) 2,4,6-Trichlorophenol	9.11	196	705400	55.369	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	690140	48.357	nq	99
46) 1,1'-Biphenyl	9.30	154	2511404	50.768	nq	99
47) 2-Chloronaphthalene	9.33	162	1943877	50.166	nq	98
48) 2-Nitroaniline	9.42	65	737640	55.152	nq	97
49) Acenaphthylene	9.75	152	3045352	50.047	nq	100
50) Dimethylphthalate	9.61	163	2542798	58.940	nq	100
51) 2,6-Dinitrotoluene	9.66	165	538833	58.269	nq #	88
52) Acenaphthene	9.92	154	2097116	55.283	nq	99
53) 3-Nitroaniline	9.83	138	166666	14.276	nq	96
54) 2,4-Dinitrophenol	9.94	184	452951	110.182	nq	95
55) Dibenzofuran	10.09	168	2738793	50.356	nq	97
56) 4-Nitrophenol	10.00	139	776028	84.262	nq	93
57) 2,4-Dinitrotoluene	10.07	165	710414	60.985	nq	98
58) Fluorene	10.43	166	2096993	52.139	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	590064	55.312	nq	98
60) Diethylphthalate	10.31	149	2345387	53.564	nq	98
61) 4-Chlorophenyl-phenylether	10.42	204	1002491	50.971	nq	97
62) 4-Nitroaniline	10.46	138	534077	47.706	nq	93
63) Azobenzene	10.59	77	2254267	51.124	nq	97
65) 4,6-Dinitro-2-methylphenol	10.48	198	327266	62.539	nq	99
66) n-Nitrosodiphenylamine	10.55	169	1965627	47.979	nq	98
67) 4-Bromophenyl-phenylether	10.92	248	726531	51.119	nq	94
68) Hexachlorobenzene	10.98	284	775844	53.336	nq	93
69) Atrazine	11.07	200	641060	57.078	nq	98
70) Pentachlorophenol	11.17	266	845459	99.125	nq	98
71) Phenanthrene	11.40	178	3235396	49.999	nq	99
72) Anthracene	11.45	178	3296261	50.121	nq	99
73) Carbazole	11.60	167	3113789	47.834	nq	99
74) Di-n-butylphthalate	11.93	149	3718434	53.399	nq	98
75) Fluoranthene	12.58	202	3424963	48.907	nq	98
77) Benzidine	12.70	184	1478856	44.418	nq	98
78) Pyrene	12.81	202	3420116	52.972	nq	100
80) Butylbenzylphthalate	13.43	149	1636432	62.666	nq	97
81) Benzo(a)anthracene	14.00	228	2472111	48.322	nq	99
82) 3,3'-Dichlorobenzidine	13.96	252	325970	16.160	nq	98
83) Chrysene	14.04	228	2626443	49.745	nq	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	1977155	63.514	nq	98
85) Di-n-octyl phthalate	14.60	149	3471885	63.416	nq	100
86) Indeno(1,2,3-cd)pyrene	16.94	276	2690254	54.102	nq	98
88) Benzo(b)fluoranthene	15.04	252	2660396	54.620	nq	97
89) Benzo(k)fluoranthene	15.08	252	2244680	48.398	nq	99
90) Benzo(a)pyrene	15.42	252	2235810	50.510	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	2212096	57.135	nq	98
92) Benzo(g,h,i)perylene	17.39	276	2272823	58.433	nq	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

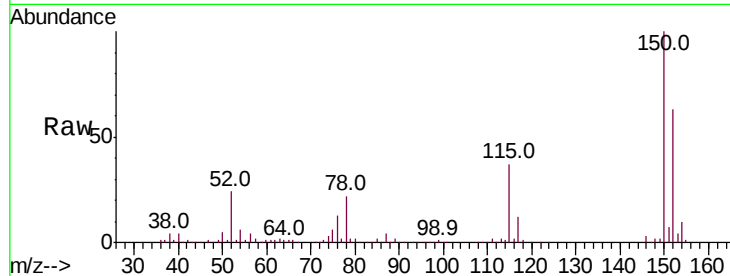
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

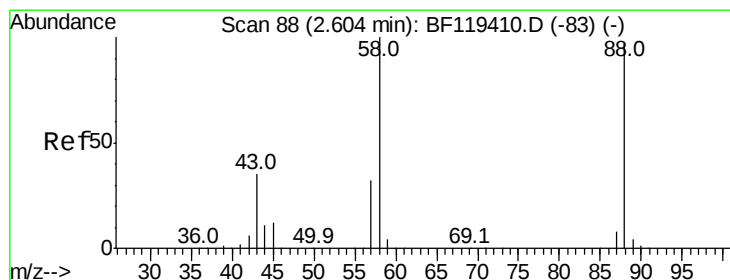
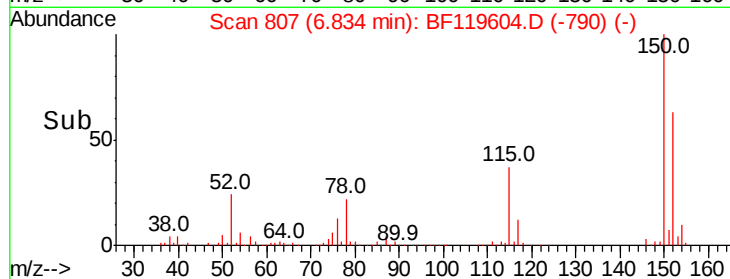
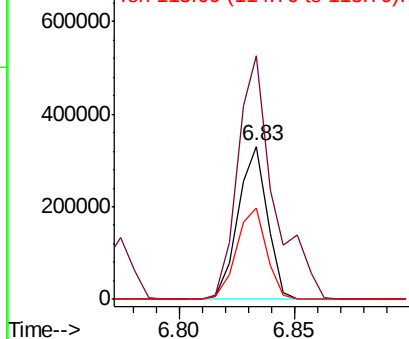
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.5	186.7
115	59.4	49.6	74.4

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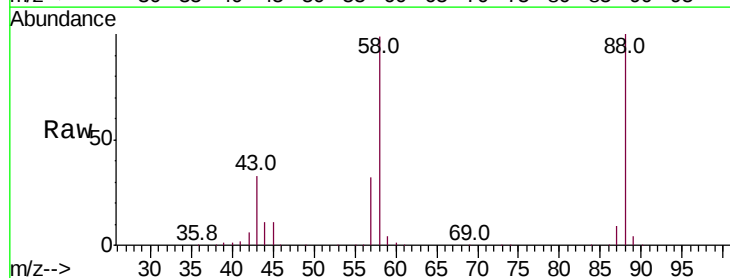
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



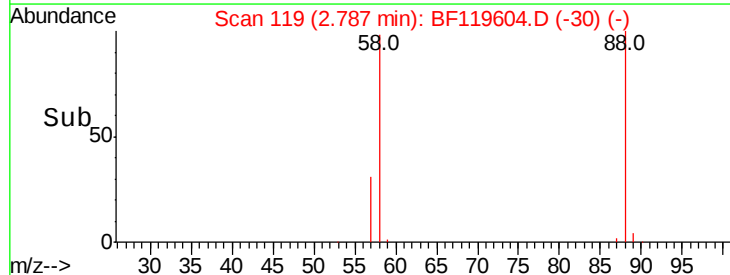
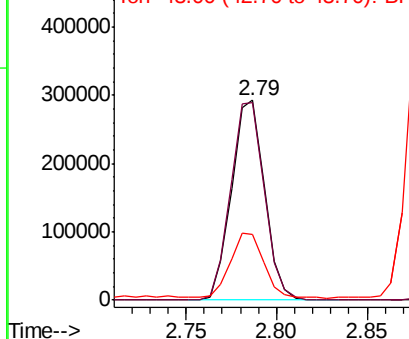
#2

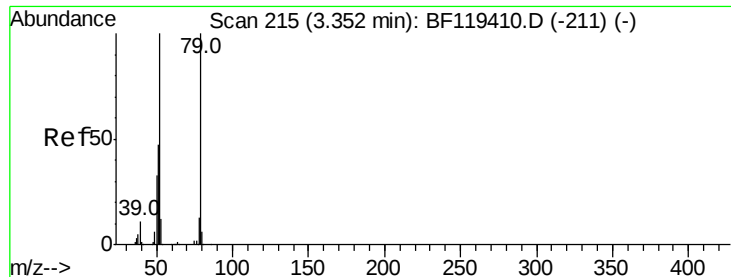
1,4-Dioxane
Concen: 40.918 ng
RT: 2.79 min Scan# 119
Delta R.T. 0.22 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.4	80.6	121.0
43	0.0	27.5	41.3#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 35.225 ng

RT: 3.48 min Scan# 236

Delta R.T. 0.18 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion: 79 Resp: 878572

Ion Ratio Lower Upper

79 100

52 94.4 80.2 120.2

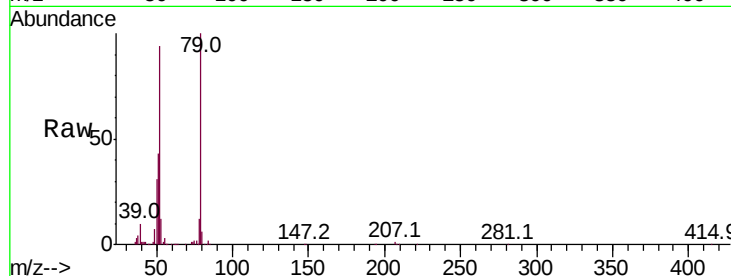
51 43.5 37.7 56.5

Manual Integrations

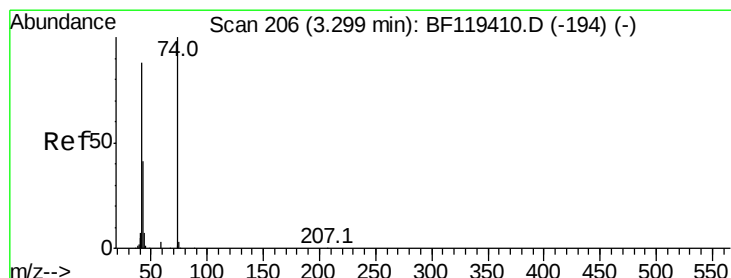
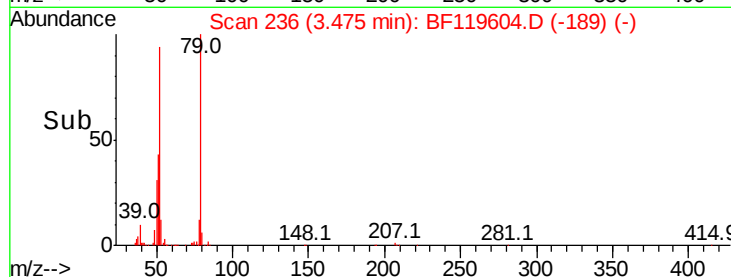
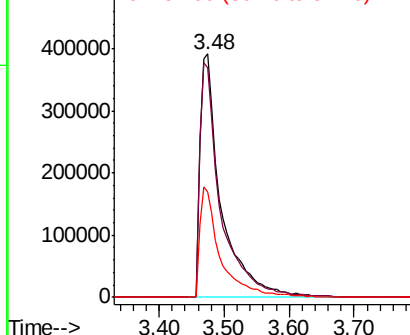
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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 45.145 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.16 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

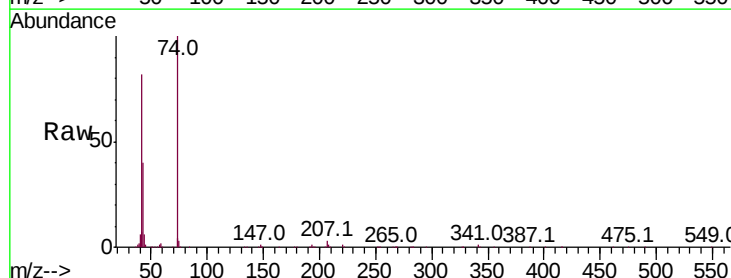
Tgt Ion: 42 Resp: 549107

Ion Ratio Lower Upper

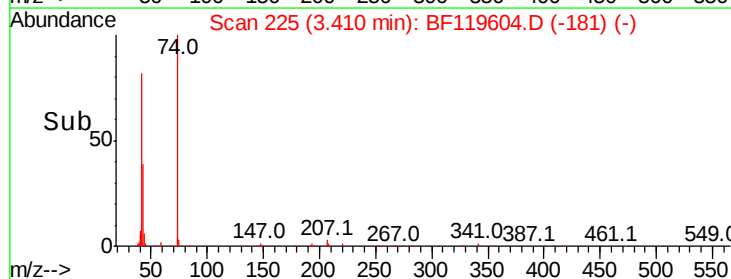
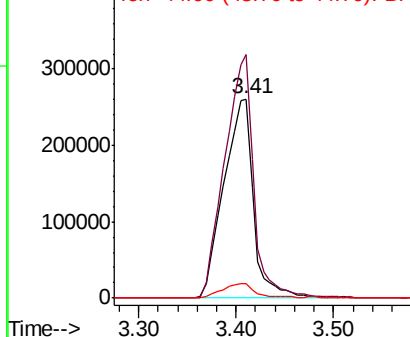
42 100

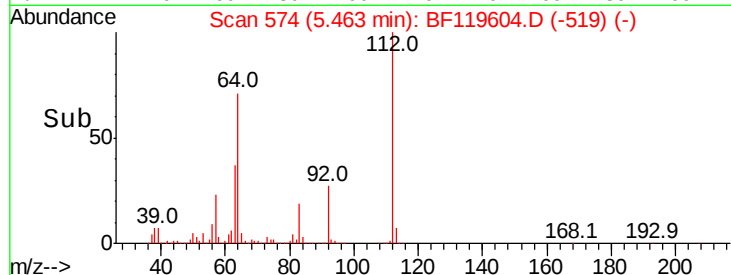
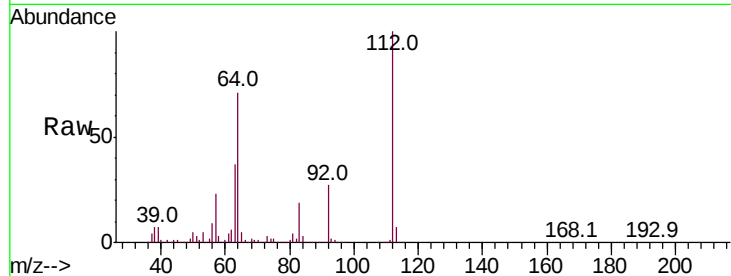
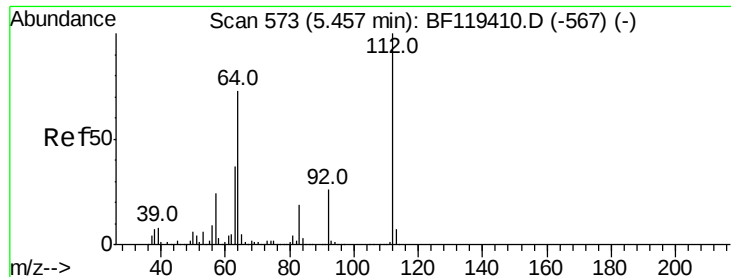
74 122.2 91.5 137.3

44 7.6 6.2 9.4



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 122.407 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.02 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:112 Resp: 2243858

Ion Ratio Lower Upper

112 100

64 70.7 56.7 85.1

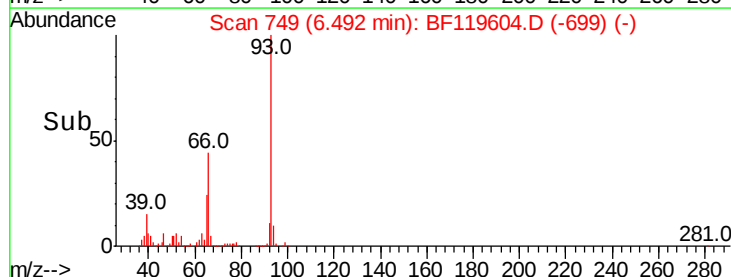
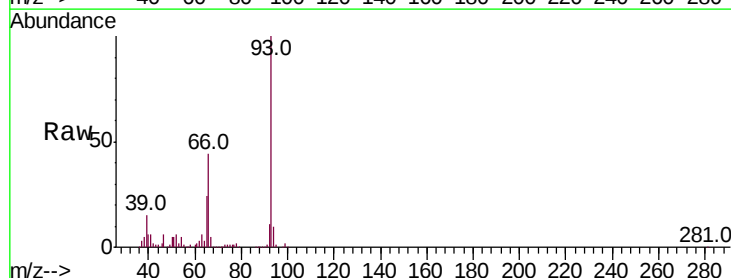
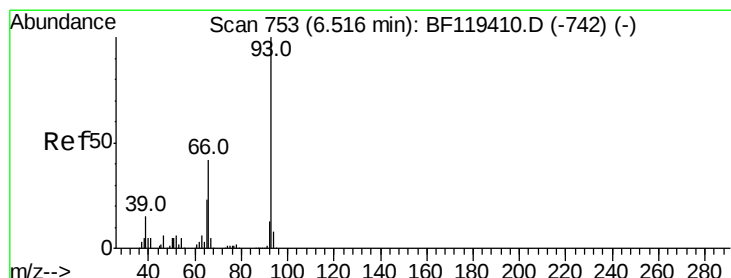
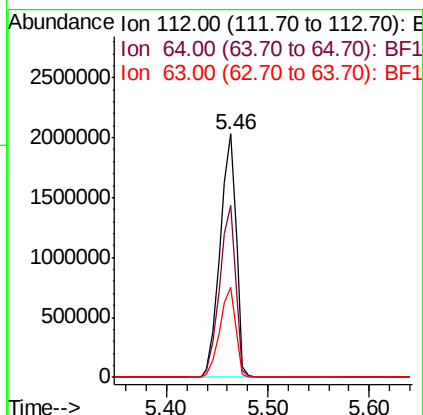
63 36.7 29.5 44.3

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#6

Aniline

Concen: 14.332 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

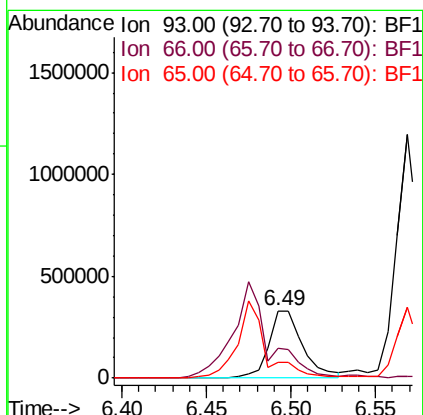
Tgt Ion: 93 Resp: 463185

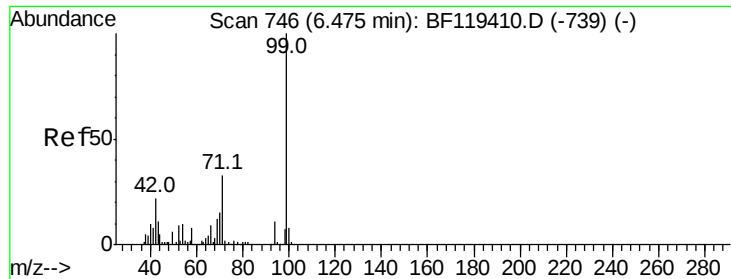
Ion Ratio Lower Upper

93 100

66 44.1 34.9 52.3

65 23.6 18.6 27.8





#7

Phenol-d6

Concen: 111.818 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion: 99 Resp: 2618411

Ion Ratio Lower Upper

99 100

42 20.9 16.6 24.8

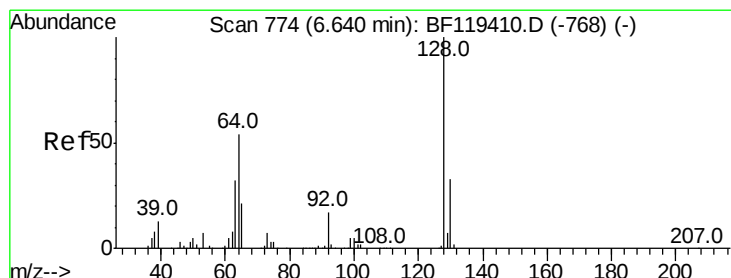
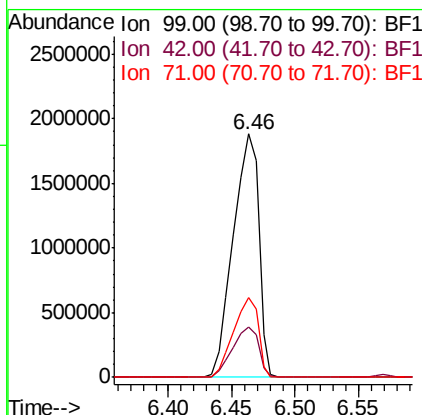
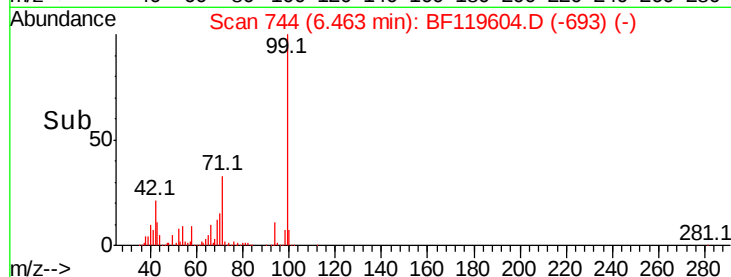
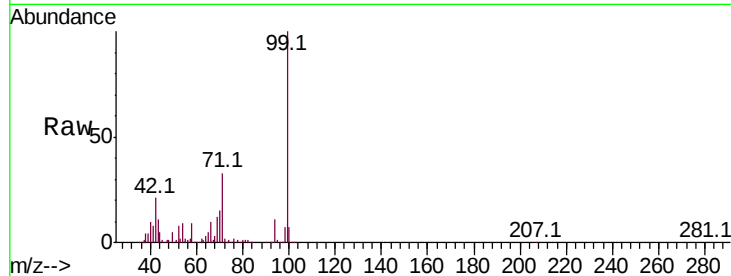
71 33.0 26.4 39.6

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#8

2-Chlorophenol

Concen: 55.511 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

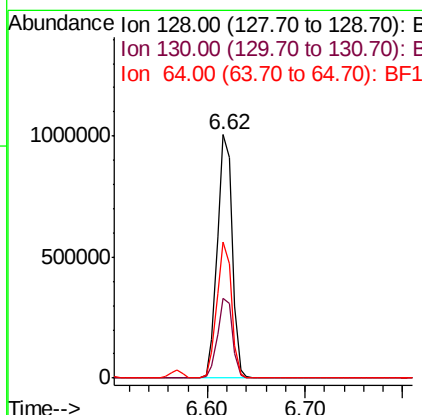
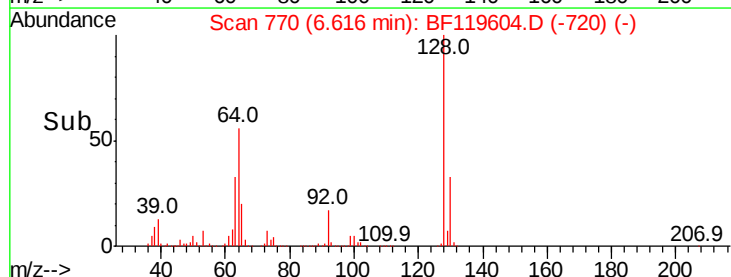
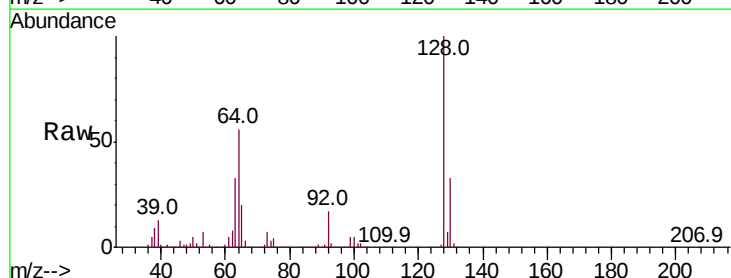
Tgt Ion:128 Resp: 1068741

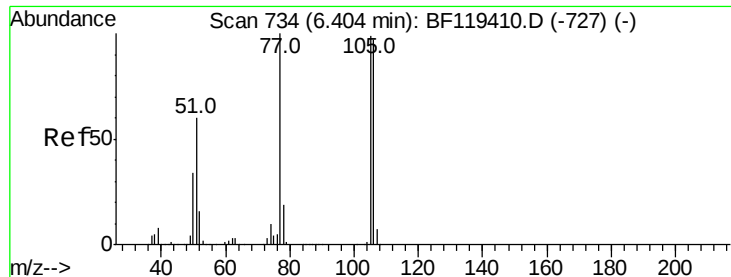
Ion Ratio Lower Upper

128 100

130 32.5 12.6 52.6

64 55.9 35.3 75.3





#9

Benzaldehyde

Concen: 39.475 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion: 77 Resp: 586391

Ion Ratio Lower Upper

77 100

105 95.5 80.9 120.9

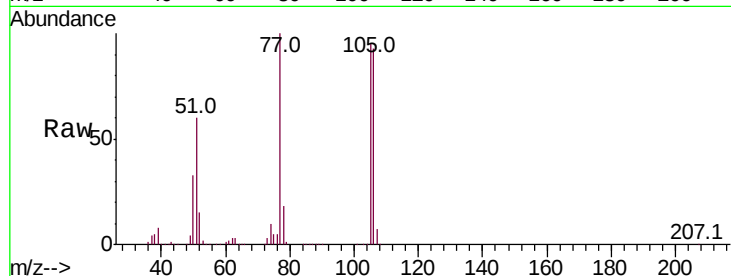
106 93.2 77.9 117.9

Manual Integrations

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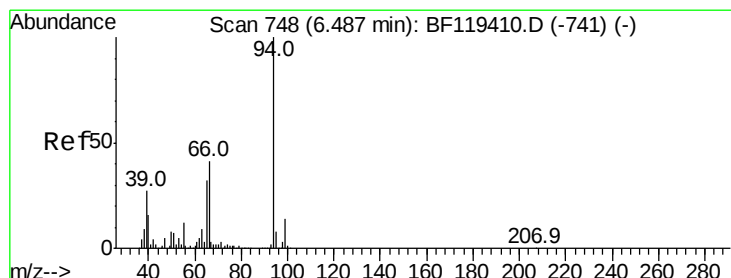
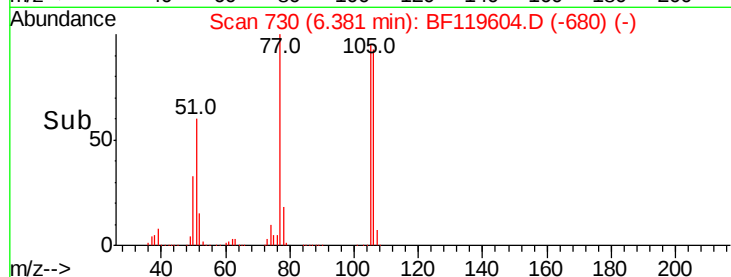
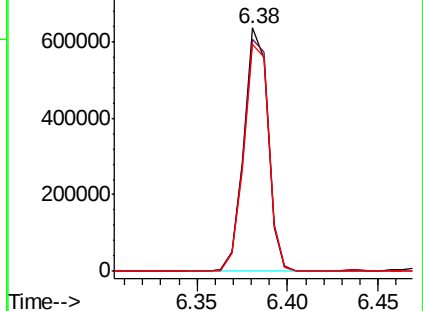
3/31/2020 8:13:59 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 43.749 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

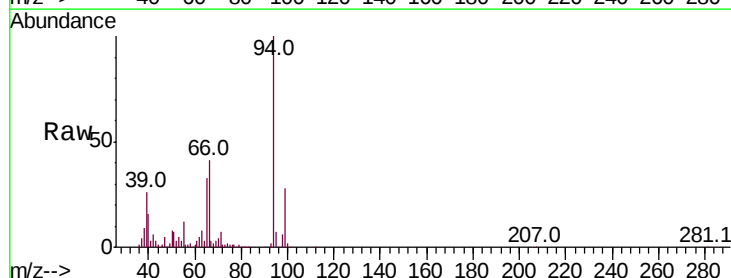
Tgt Ion: 94 Resp: 1093123

Ion Ratio Lower Upper

94 100

65 32.7 13.2 53.2

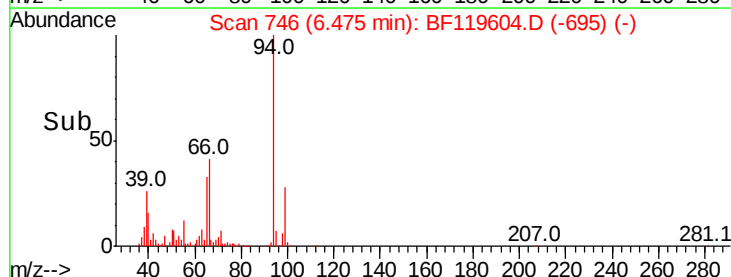
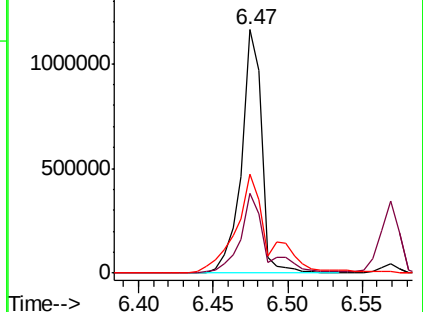
66 40.6 22.3 62.3

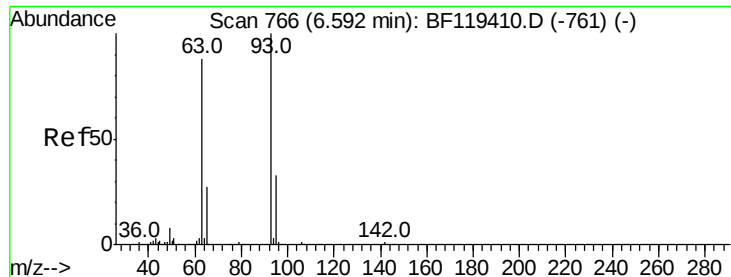


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

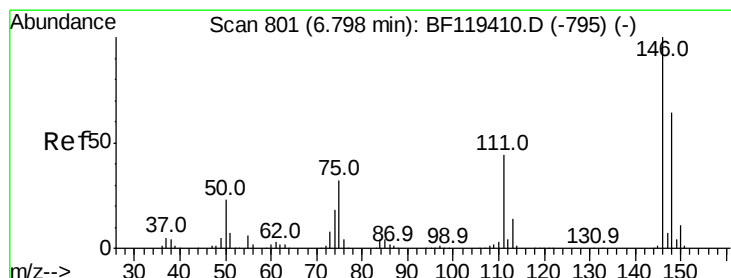
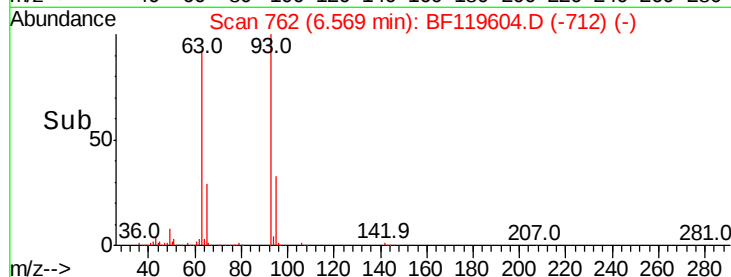
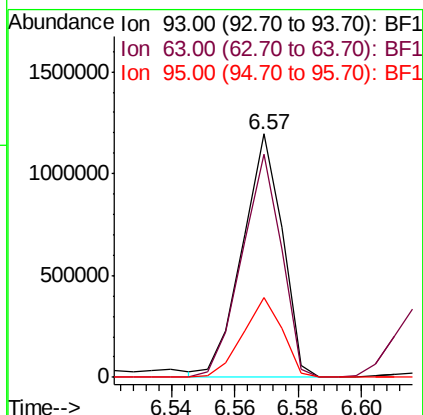
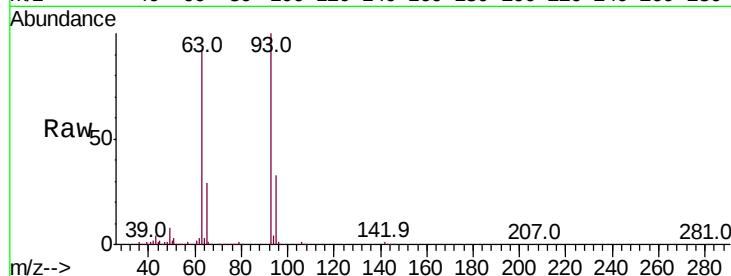
bis(2-Chloroethyl)ether
Concen: 52.090 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	91.7	70.2	110.2
95	32.9	13.4	53.4

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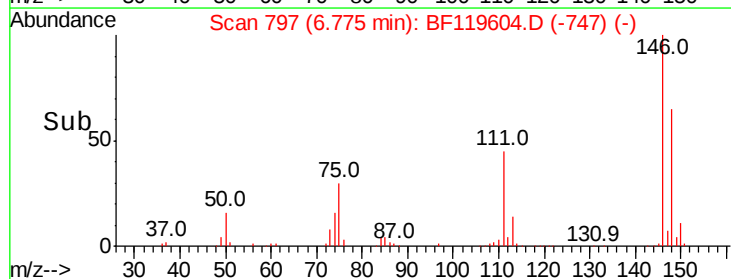
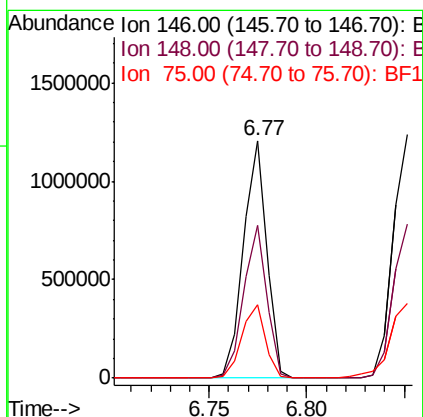
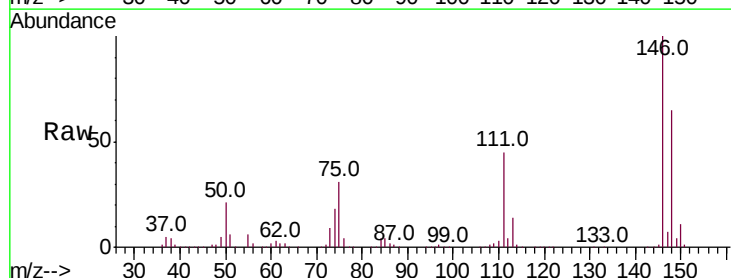
mohammad
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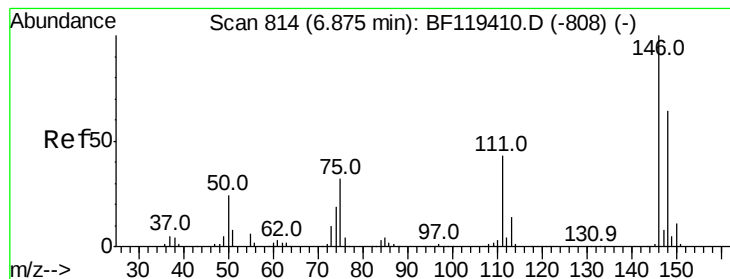


#12

1,3-Dichlorobenzene
Concen: 48.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.2	78.4
75	30.8	23.0	34.4





#13

1,4-Dichlorobenzene

Concen: 48.394 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:146 Resp: 1008662

Ion Ratio Lower Upper

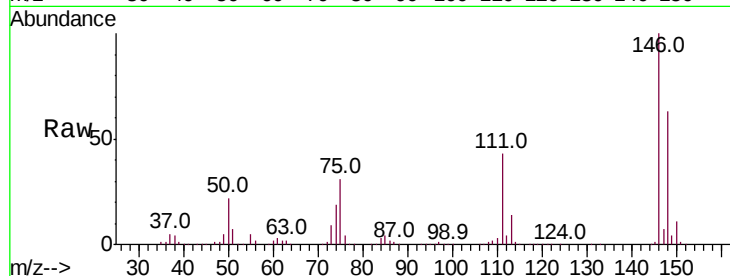
146 100

148 63.3 51.5 77.3

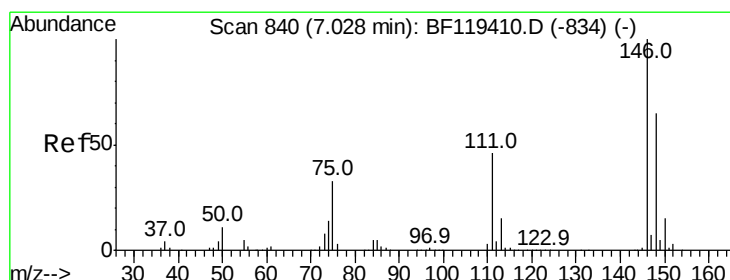
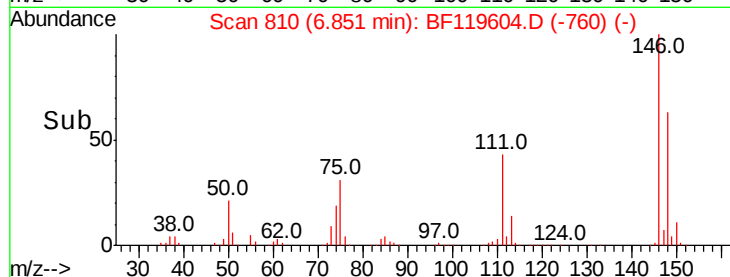
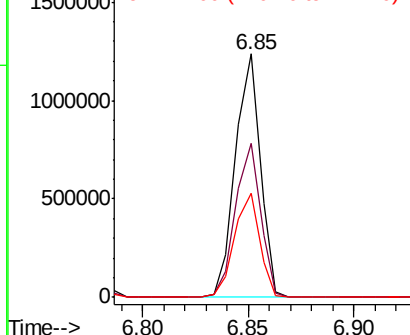
111 43.0 33.3 49.9

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.709 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

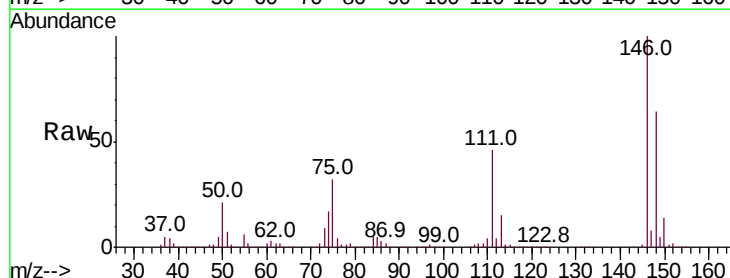
Tgt Ion:146 Resp: 948927

Ion Ratio Lower Upper

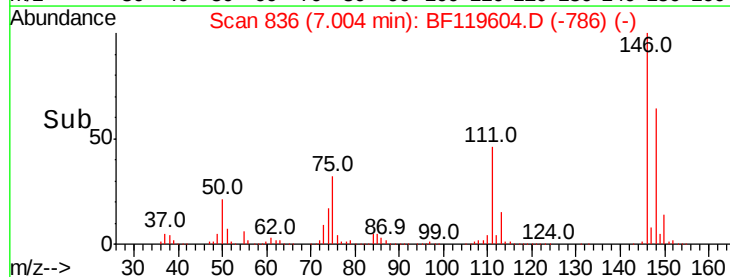
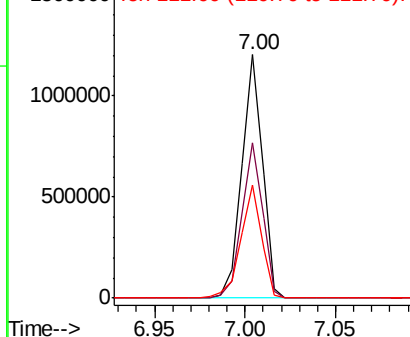
146 100

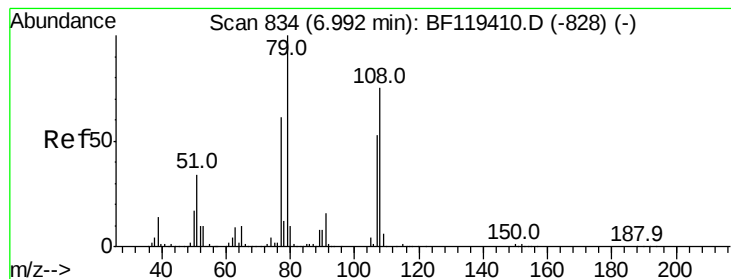
148 63.7 50.6 75.8

111 46.3 36.1 54.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.069 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

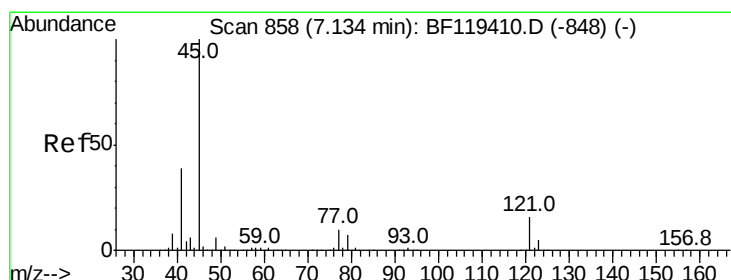
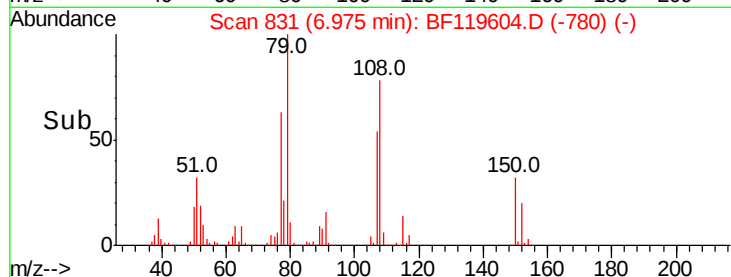
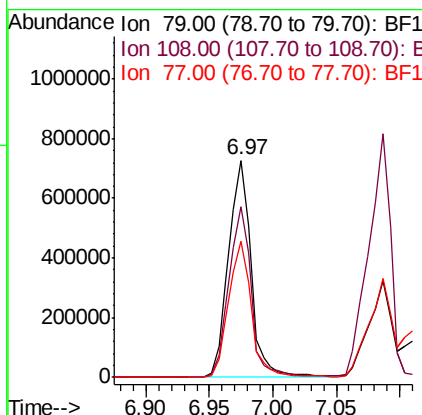
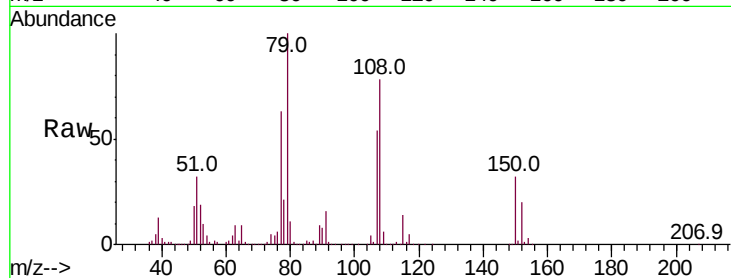
ClientSampled :

TP-13-SAMS

Tot Ion:	79	Resp:	899558
Ion Ratio	Lower	Upper	
79	100		
108	78.4	60.6	90.8
77	62.9	50.2	75.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 48.643 ng

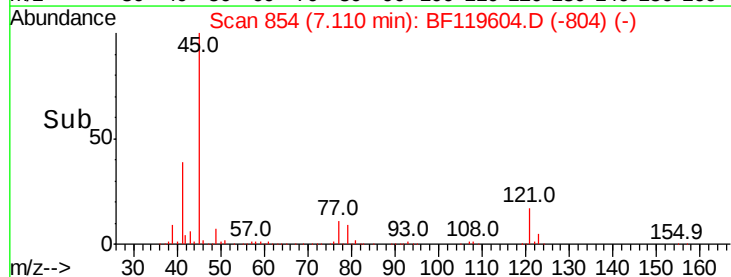
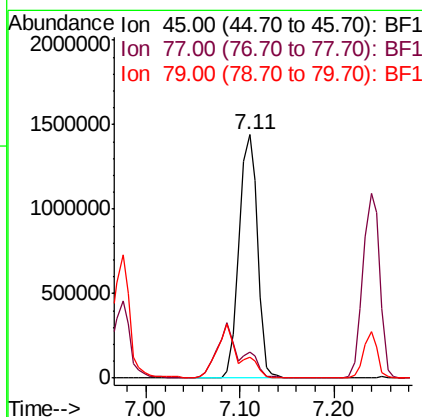
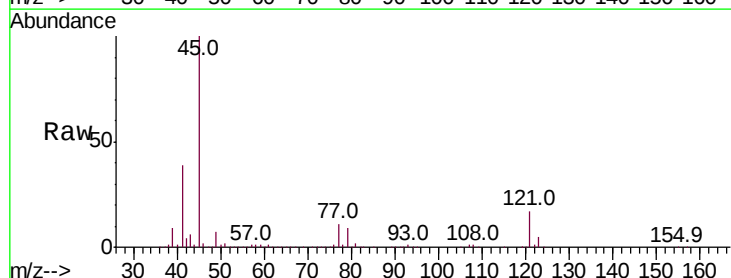
RT: 7.11 min Scan# 854

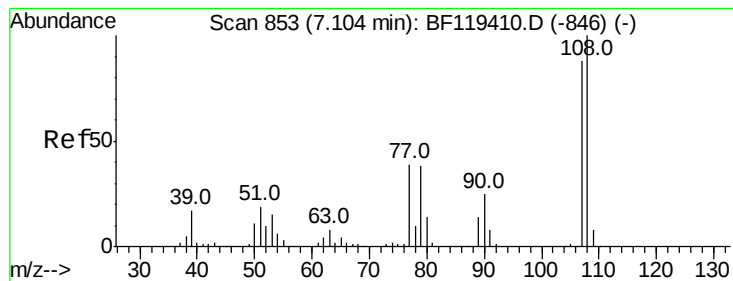
Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Tgt Ion:	45	Resp:	1960702
Ion Ratio	Lower	Upper	
45	100		
77	10.9	0.0	30.7
79	8.6	0.0	28.2





#17

2-Methylphenol

Concen: 48.445 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

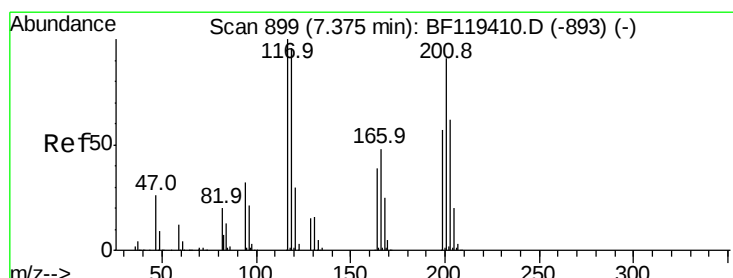
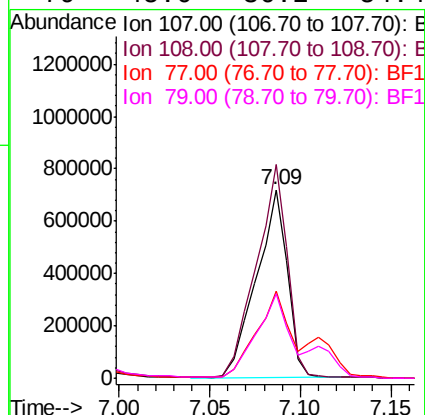
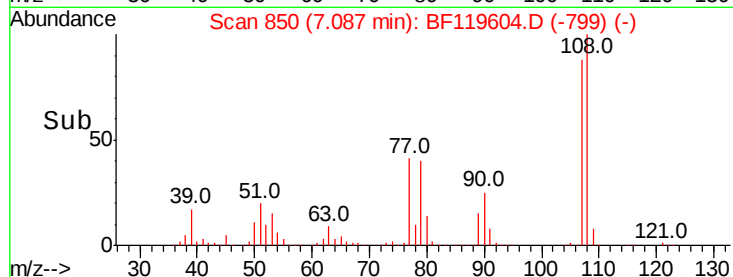
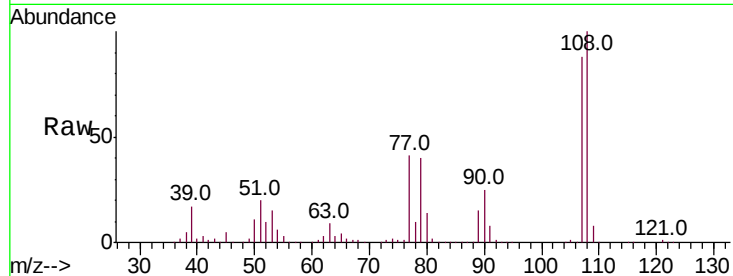
ClientSampleId :

TP-13-SAMS

Tot Ion:	107	Resp:	854562
Ion Ratio	Lower	Upper	
107	100		
108	113.2	92.2	138.4
77	45.9	36.6	54.8
79	45.0	36.2	54.4

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#18

Hexachloroethane

Concen: 49.741 ng

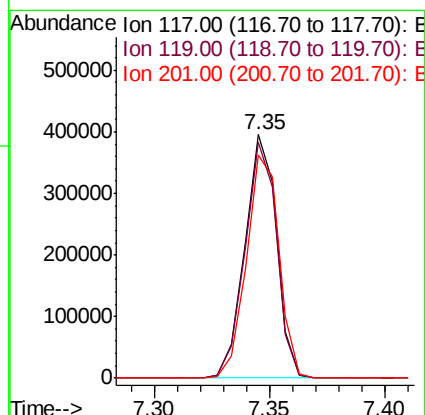
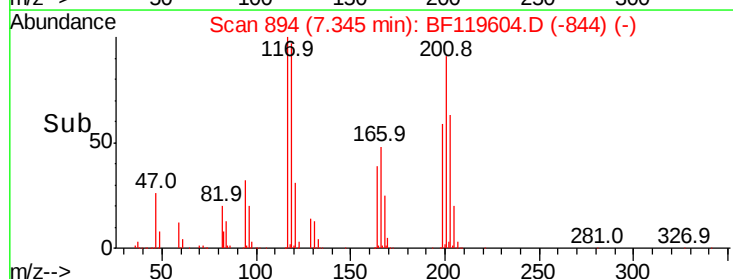
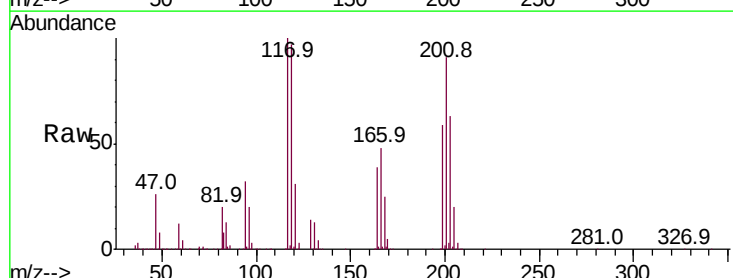
RT: 7.35 min Scan# 894

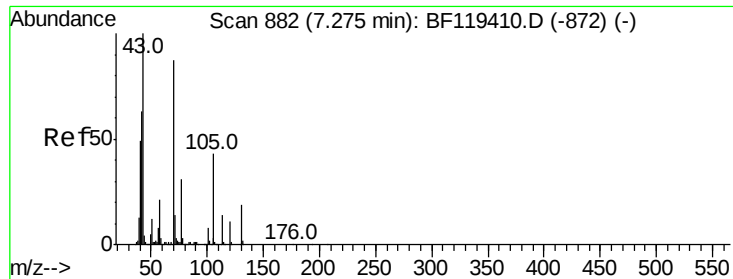
Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Tgt Ion:	117	Resp:	379930
Ion Ratio	Lower	Upper	
117	100		
119	97.0	76.1	114.1
201	91.4	73.0	109.6





#19

n-Nitroso-di-n-propylamine

Concen: 53.321 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion: 70 Resp: 752588

Ion Ratio Lower Upper

70 100

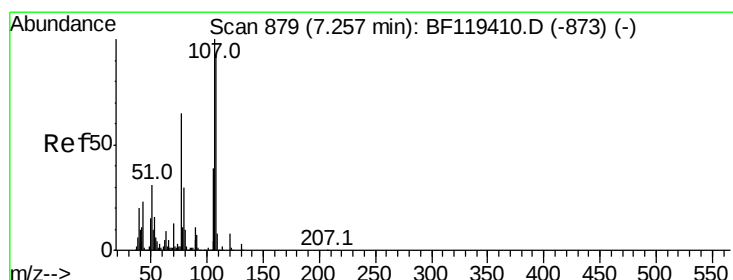
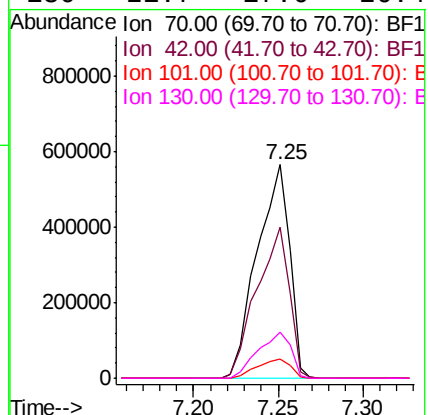
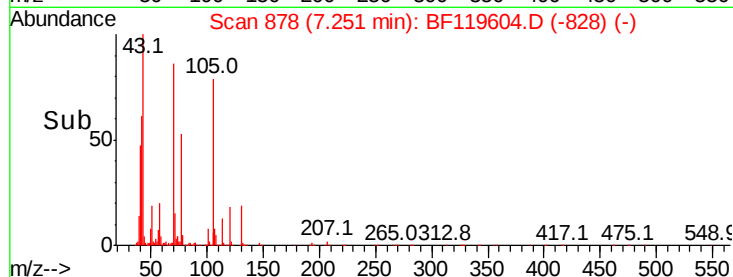
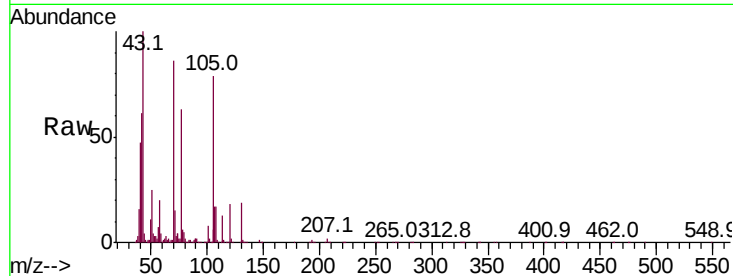
42 70.6 54.5 81.7

101 9.2 7.6 11.4

130 21.7 17.6 26.4

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#20

3+4-Methylphenols

Concen: 45.526 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Tgt Ion: 107 Resp: 984207

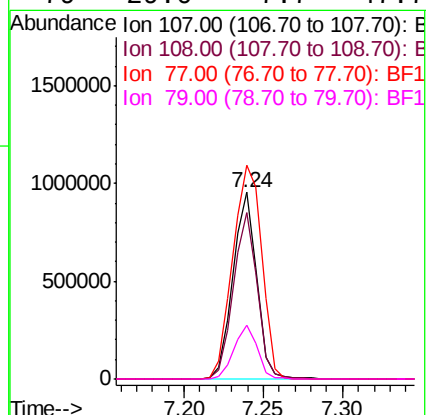
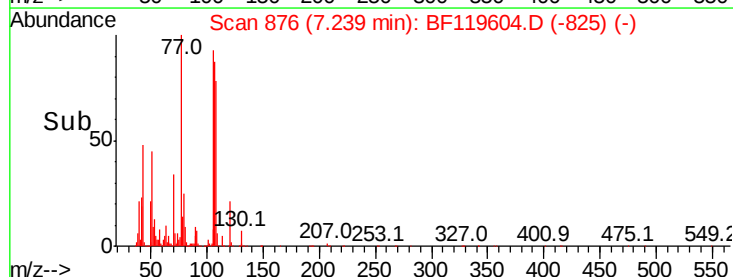
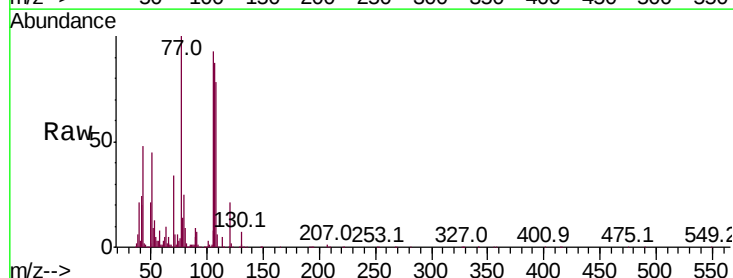
Ion Ratio Lower Upper

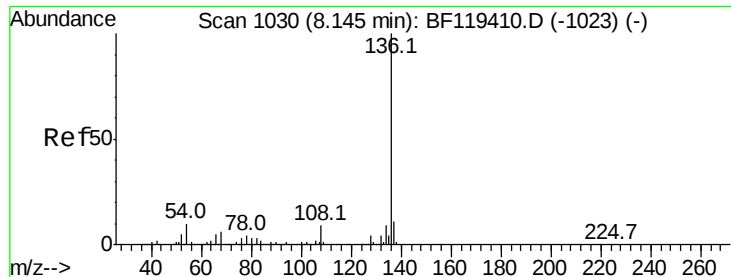
107 100

108 89.3 67.9 107.9

77 114.4 52.9 92.9

79 29.0 7.7 47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:136 Resp: 1156512

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.4 9.1 13.7

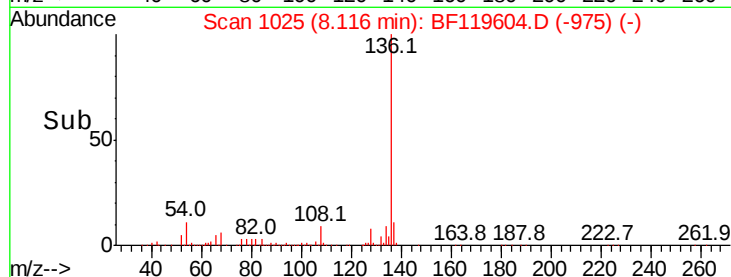
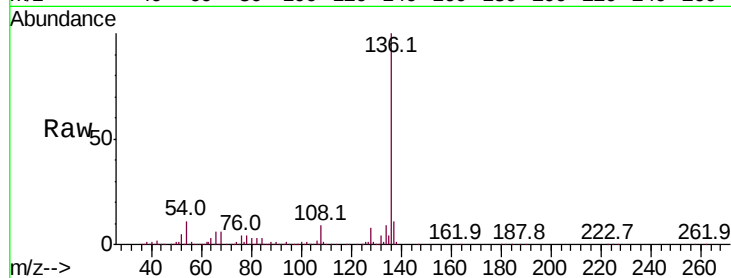
68 5.9 4.6 6.8

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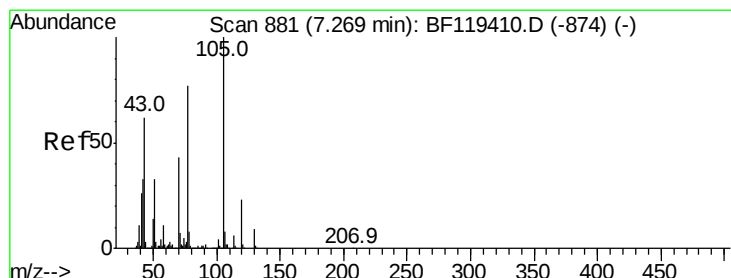
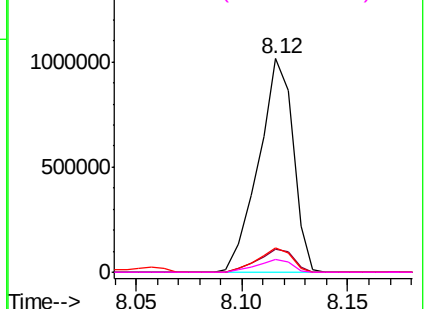
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 50.247 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Tgt Ion:105 Resp: 1388543

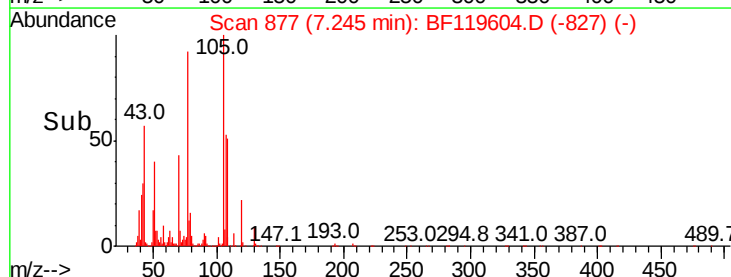
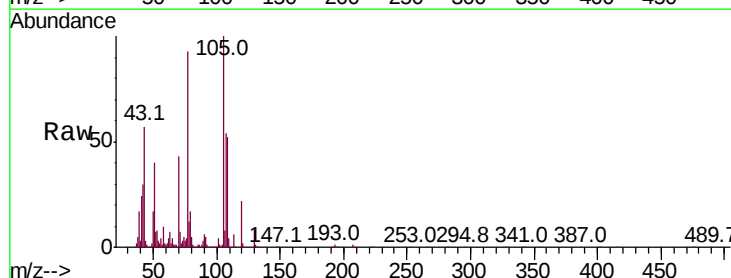
Ion Ratio Lower Upper

105 100

71 7.0 5.7 8.5

51 40.0 26.2 39.4#

120 22.3 18.3 27.5



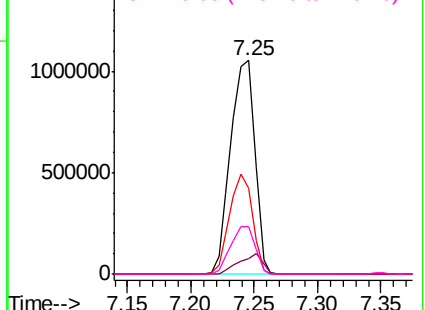
Abundance

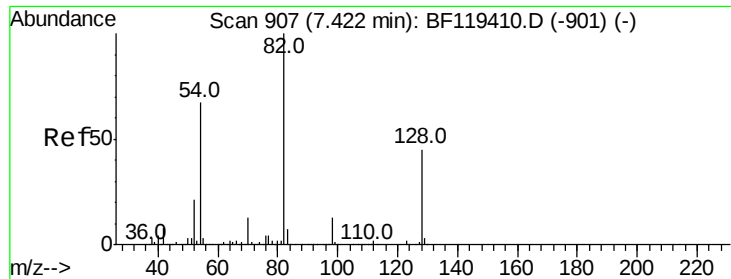
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





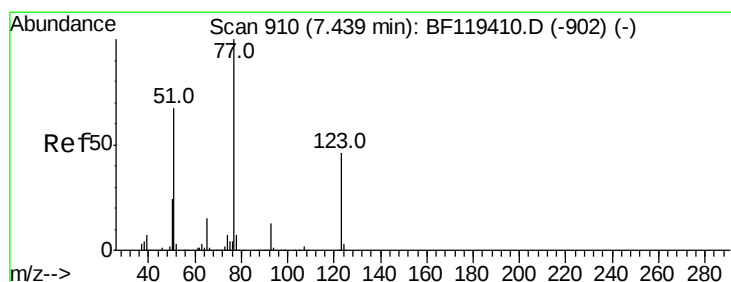
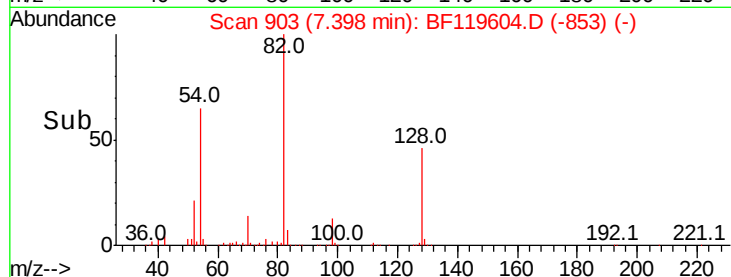
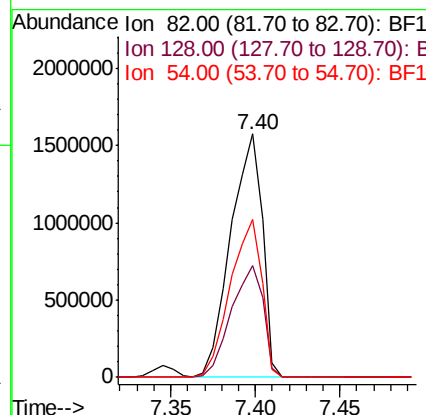
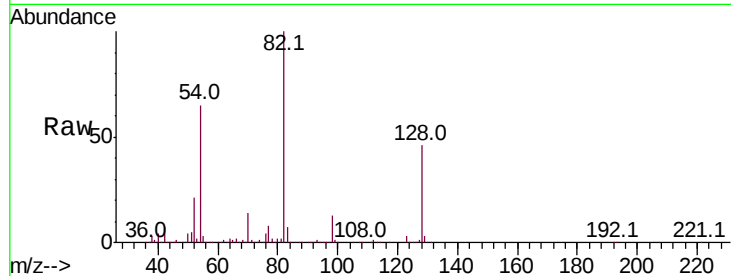
#23
Nitrobenzene-d5
Concen: 96.566 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion: 82 Resp: 2054909
Ion Ratio Lower Upper
82 100
128 45.8 36.3 54.5
54 64.6 50.6 75.8

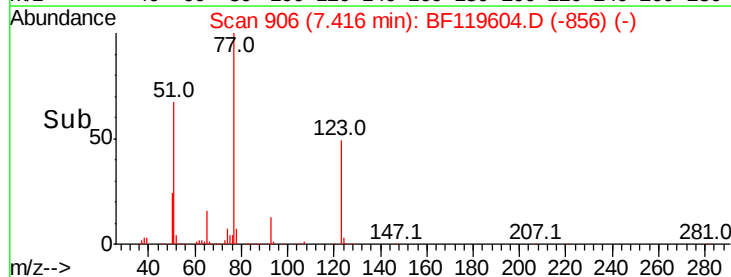
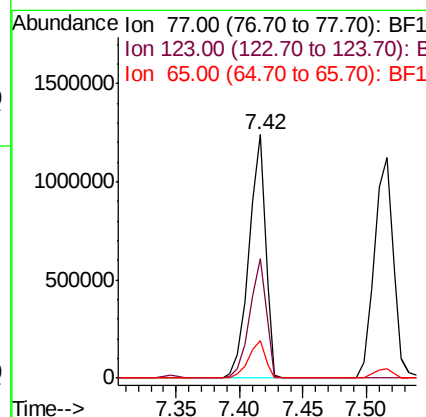
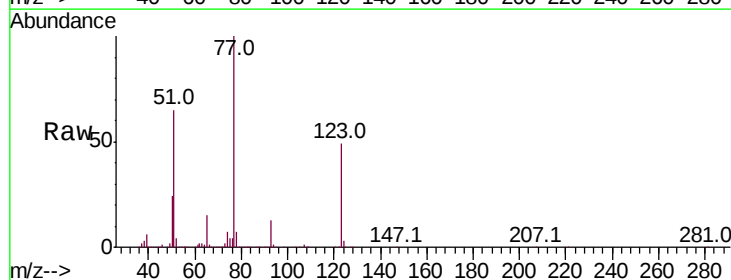
Manual Integrations
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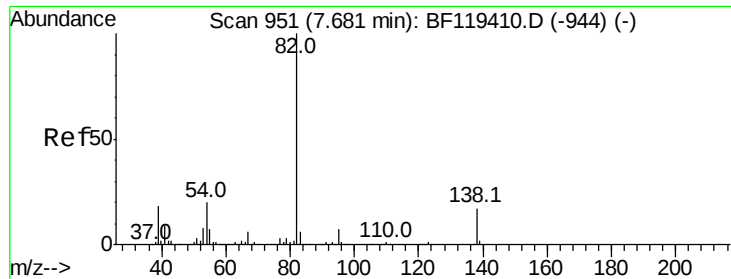
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#24
Nitrobenzene
Concen: 49.341 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion: 77 Resp: 1122080
Ion Ratio Lower Upper
77 100
123 49.3 38.0 57.0
65 15.3 12.6 18.8





#25

Isophorone

Concen: 50.074 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion: 82 Resp: 2161543

Ion Ratio Lower Upper

82 100

95 6.8 5.8 8.6

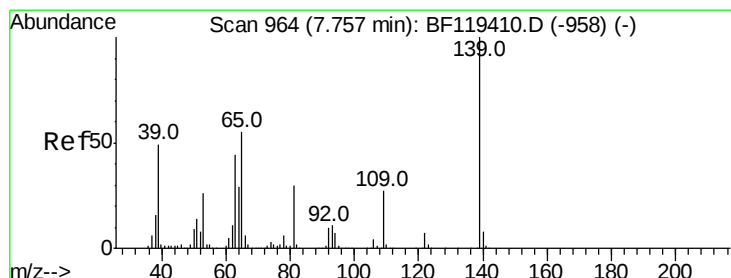
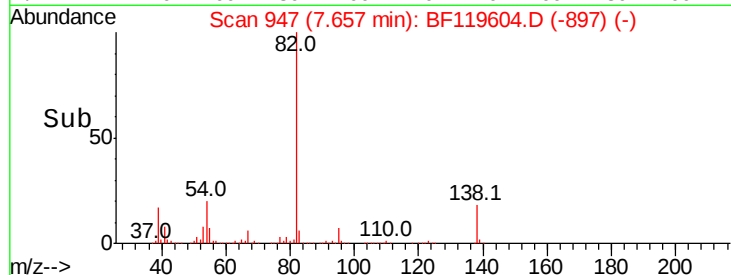
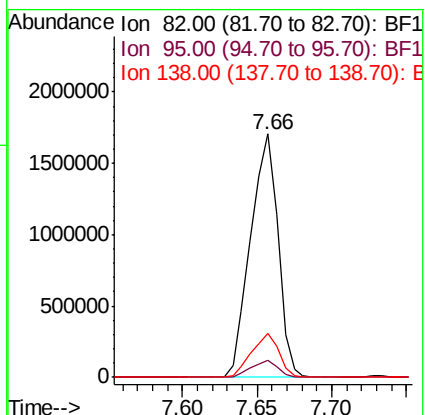
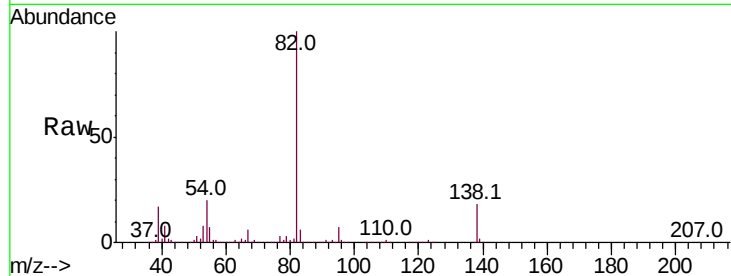
138 17.9 14.6 21.8

Manual Integrations

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#26

2-Nitrophenol

Concen: 64.663 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

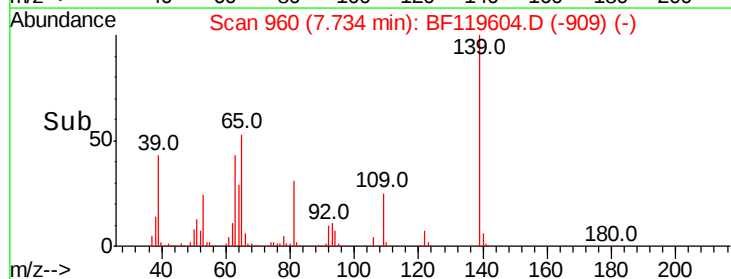
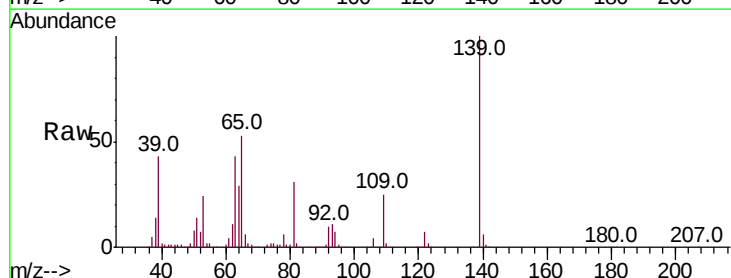
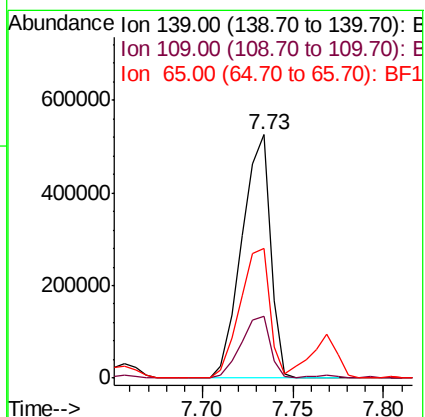
Tgt Ion: 139 Resp: 579004

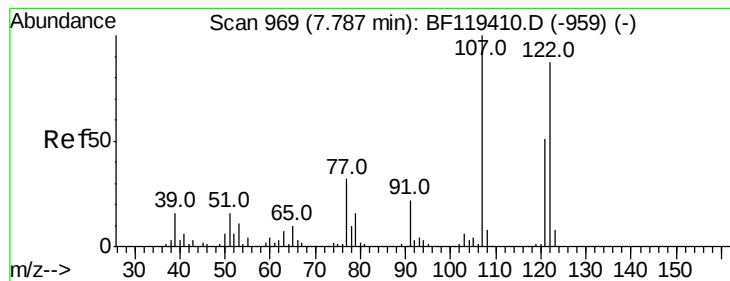
Ion Ratio Lower Upper

139 100

109 25.4 22.1 33.1

65 53.2 49.2 73.8





#27

2,4-Dimethylphenol

Concen: 53.088 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

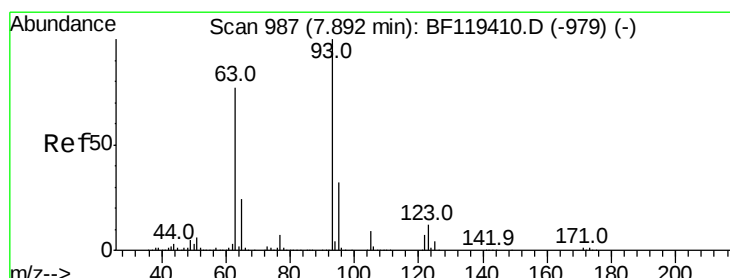
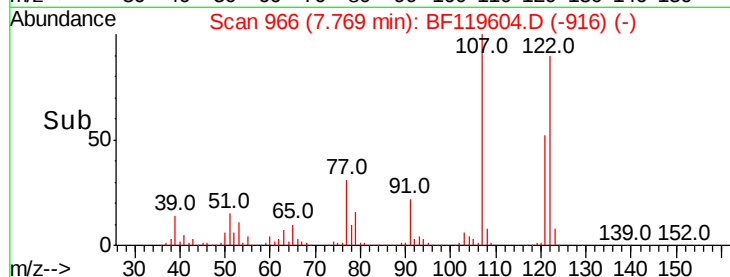
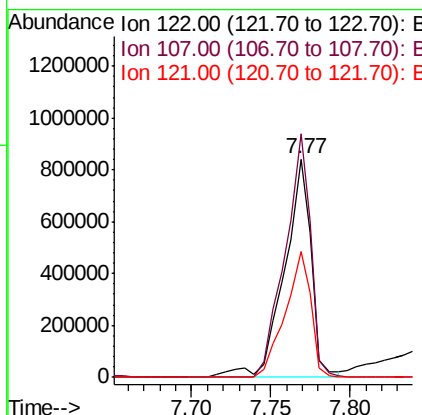
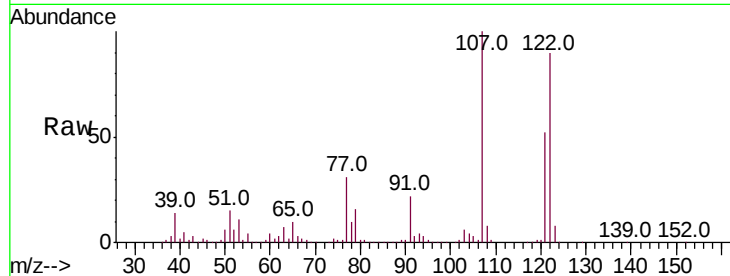
ClientSampleId :

TP-13-SAMS

Tot Ion:	122	Resp:	982924
Ion Ratio	Lower	Upper	
122	100		
107	111.5	89.0	133.6
121	57.8	46.7	70.1

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#28

bis(2-Chloroethoxy)methane

Concen: 53.400 ng

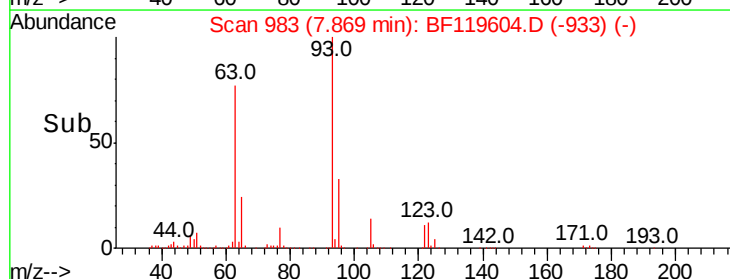
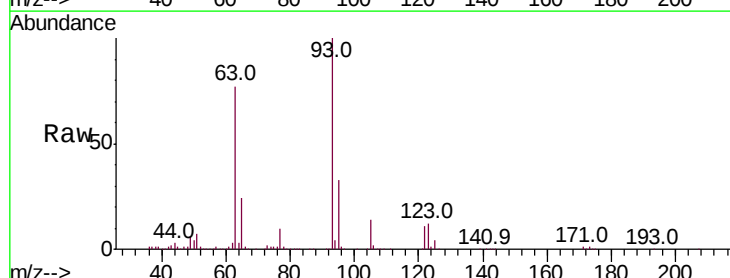
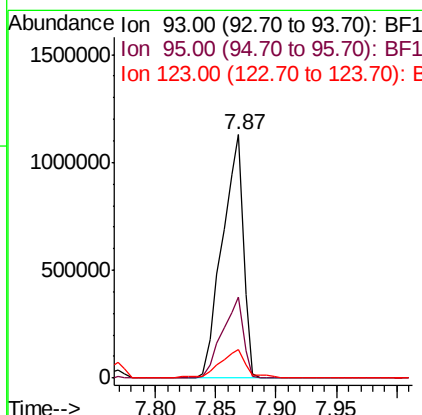
RT: 7.87 min Scan# 983

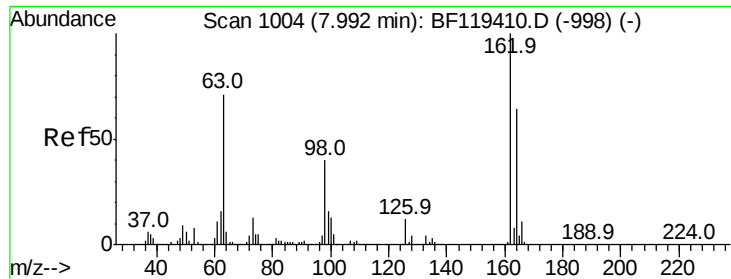
Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Tgt Ion:	93	Resp:	1363088
Ion Ratio	Lower	Upper	
93	100		
95	33.1	26.3	39.5
123	11.6	9.7	14.5





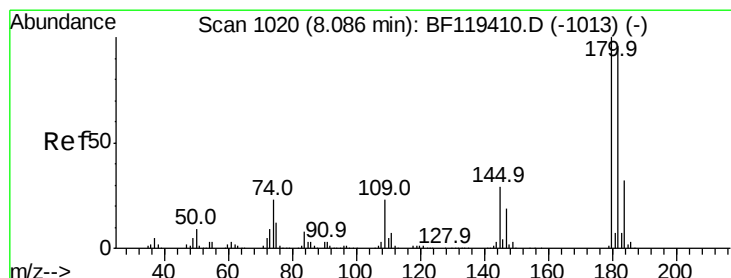
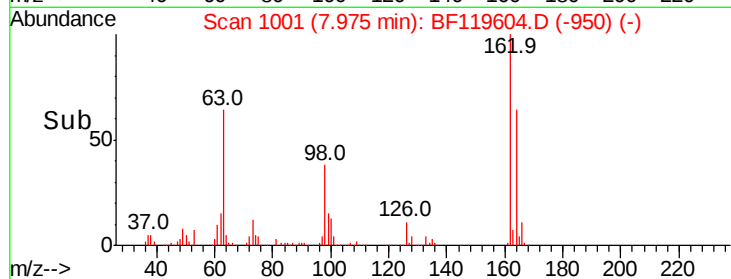
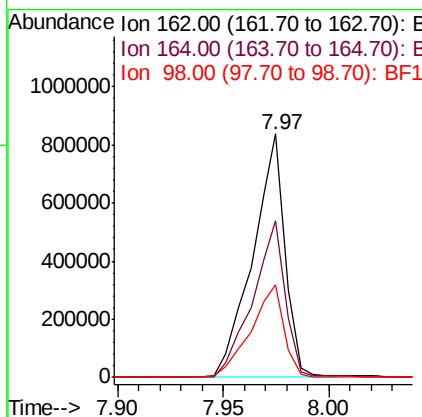
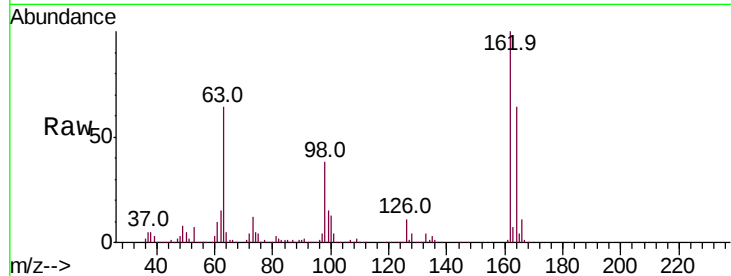
#29
 2,4-Dichlorophenol
 Concen: 52.406 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampled :
 TP-13-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	891541		
164	64.4	44.7	84.7	
98	38.1	20.7	60.7	

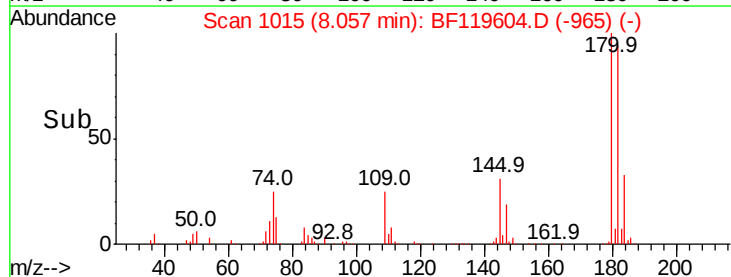
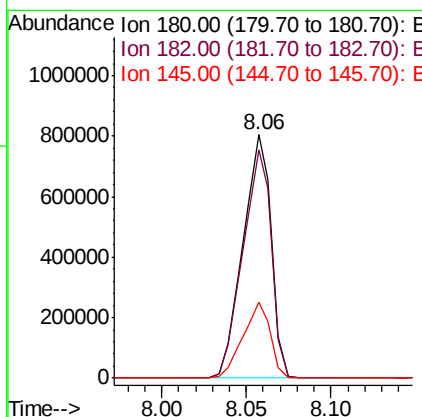
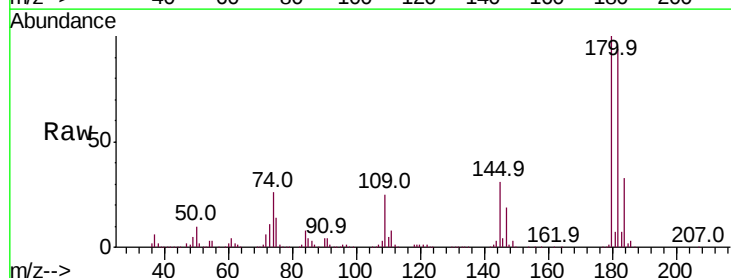
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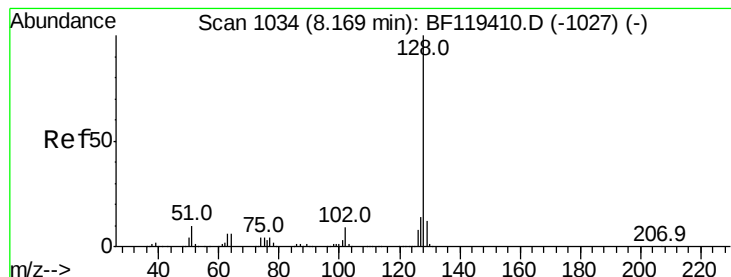
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#30
 1,2,4-Trichlorobenzene
 Concen: 49.830 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF119604.D
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Tgt Ion	Ratio	Resp	Lower	Upper
180	100	937514		
182	93.7	74.7	112.1	
145	31.0	24.5	36.7	





#31

Naphthalene

Concen: 50.266 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:128 Resp: 2991582

Ion Ratio Lower Upper

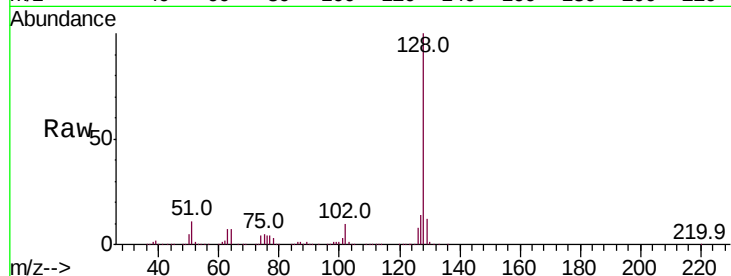
128 100

129 11.6 9.5 14.3

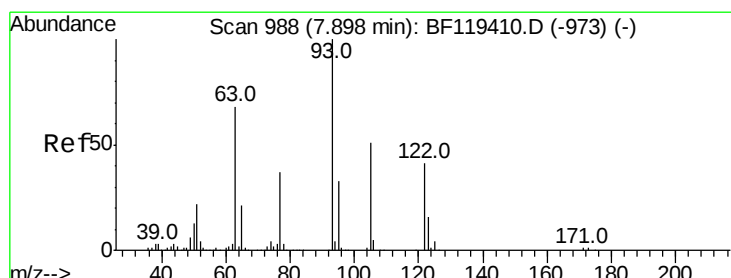
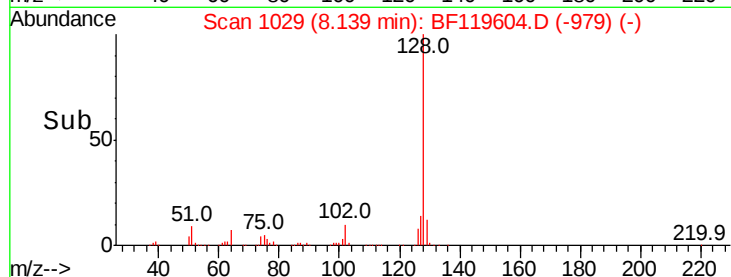
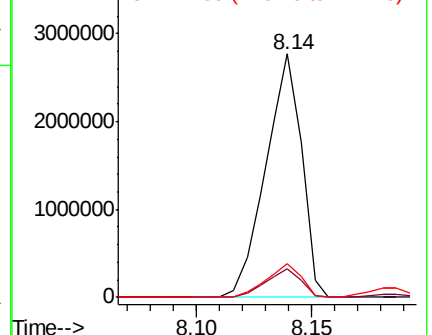
127 14.1 11.3 16.9

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 54.153 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

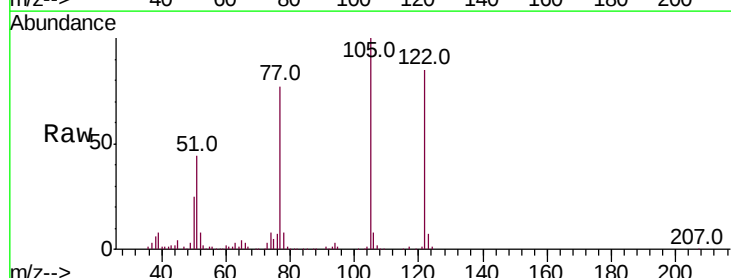
Tgt Ion:122 Resp: 644956

Ion Ratio Lower Upper

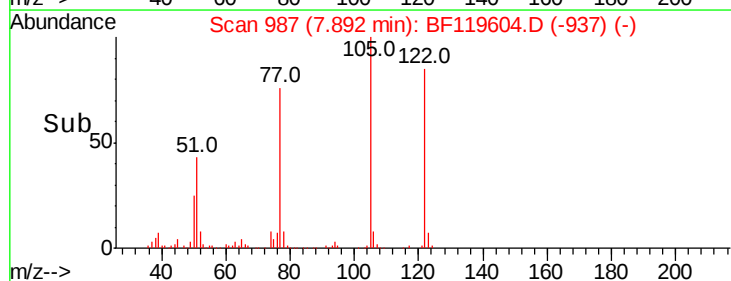
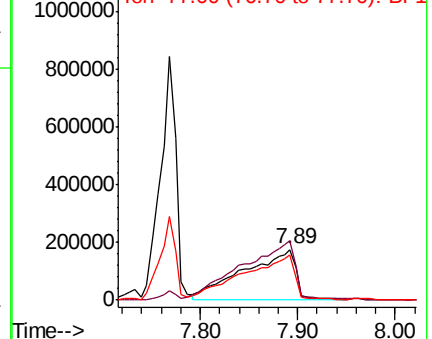
122 100

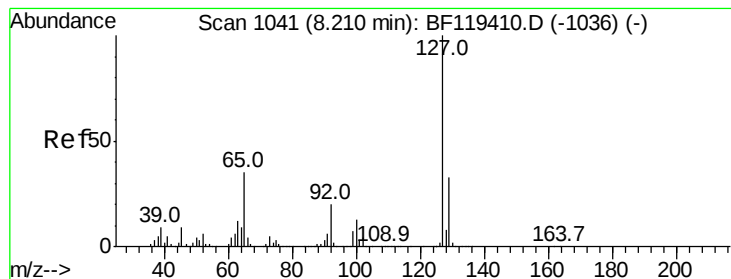
105 117.5 104.9 144.9

77 90.1 74.4 114.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





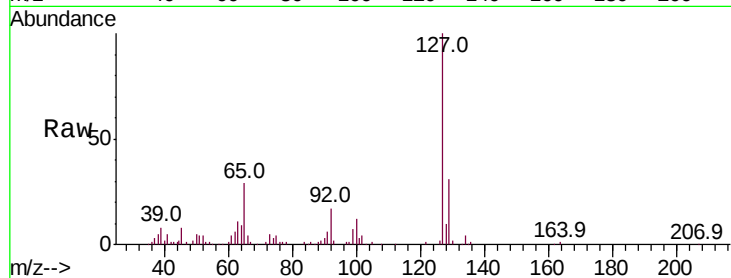
#33
4-Chloroaniline
Concen: 5.838 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

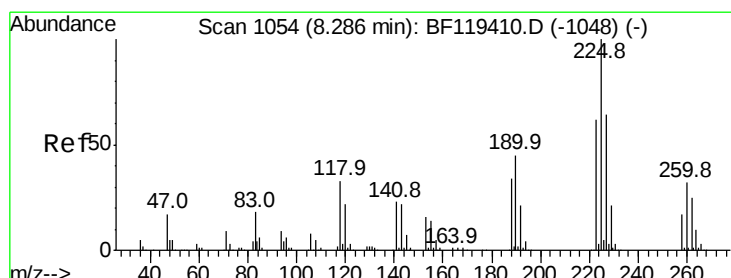
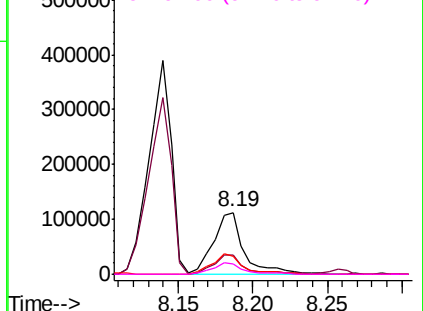
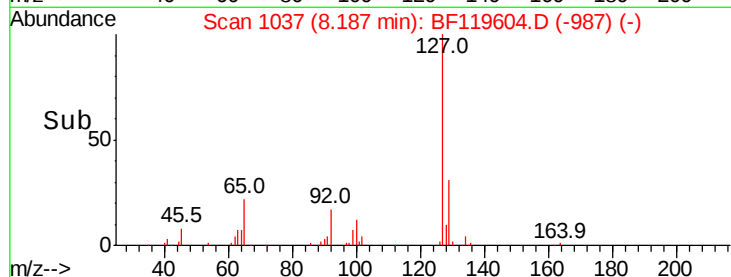
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		159209		
129	31.4	26.2	39.4		
65	29.4	27.4	41.0		
92	17.3	15.3	22.9		

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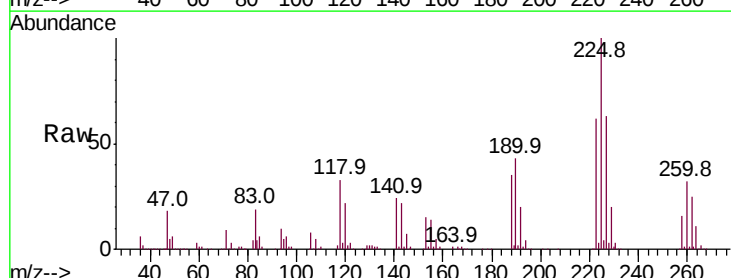


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

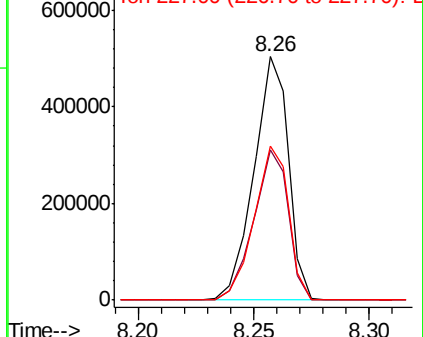
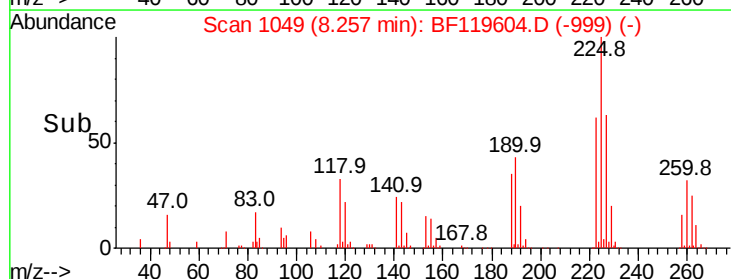


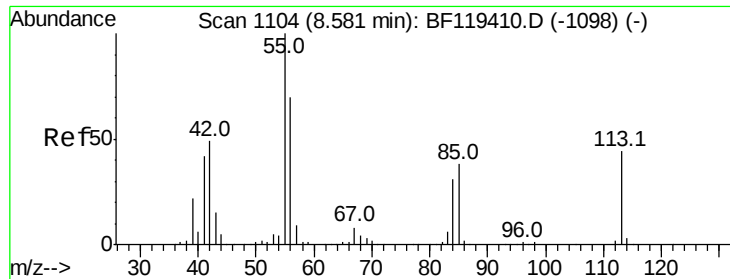
#34
Hexachlorobutadiene
Concen: 49.846 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		524709		
223	61.5	51.0	76.6		
227	63.3	50.7	76.1		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





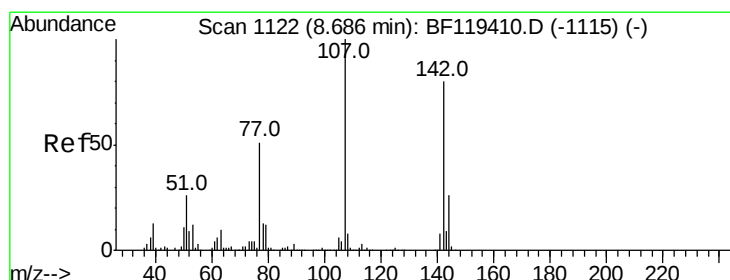
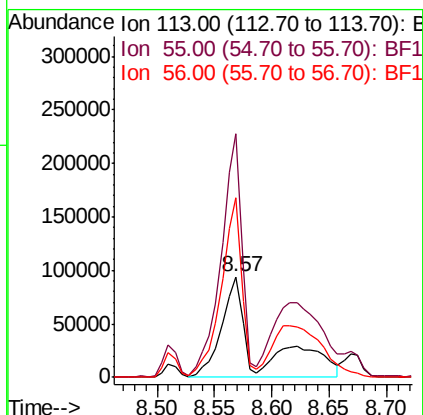
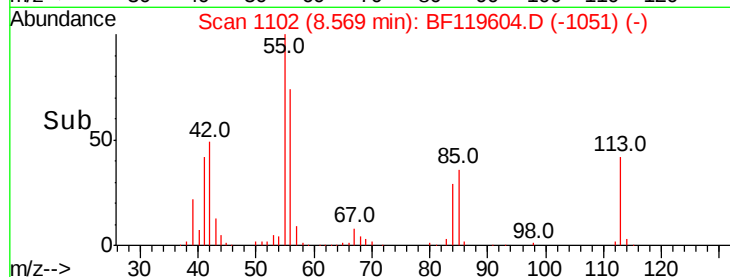
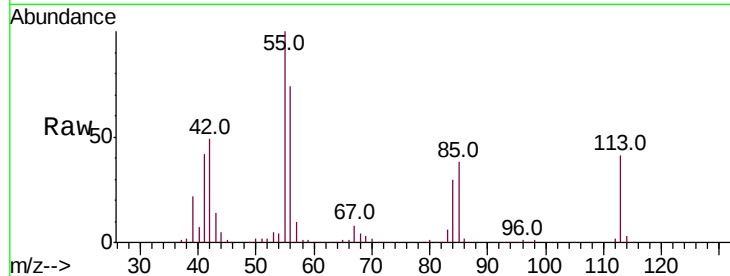
#35
Caprolactam
Concen: 37.643 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
113	100		
55	241.5	218.4	258.4
56	178.8	148.9	188.9

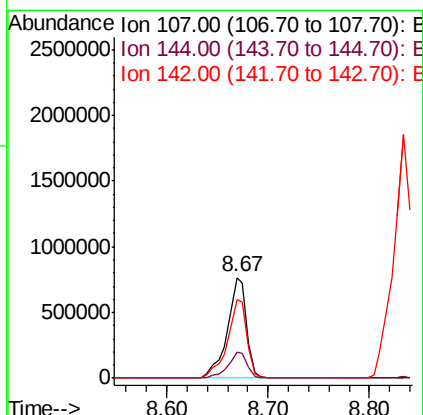
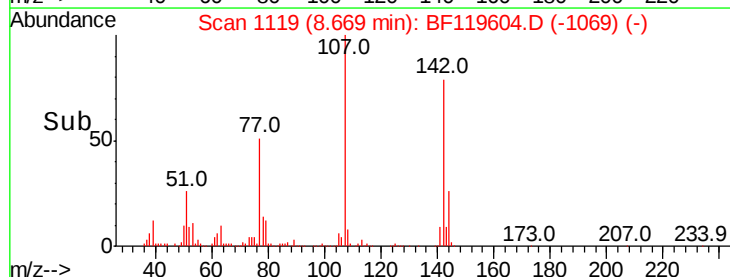
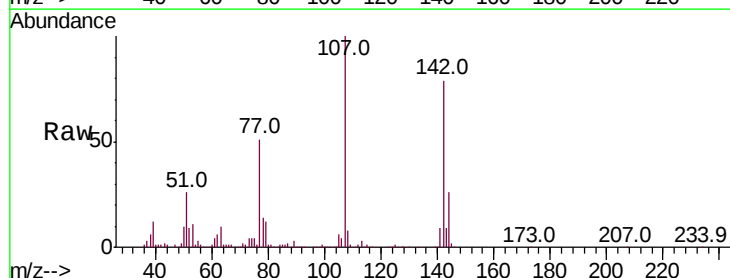
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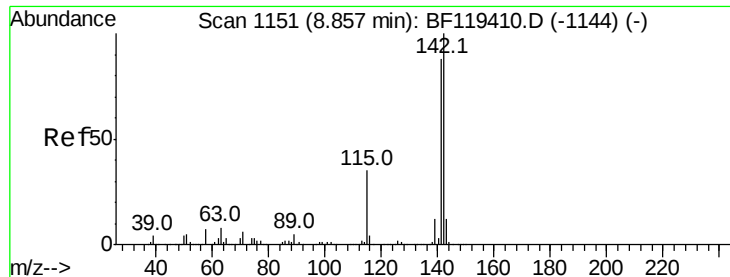
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#36
4-Chloro-3-methylphenol
Concen: 53.882 ng/ml
RT: 8.67 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.6	21.0	31.6
142	78.6	64.4	96.6





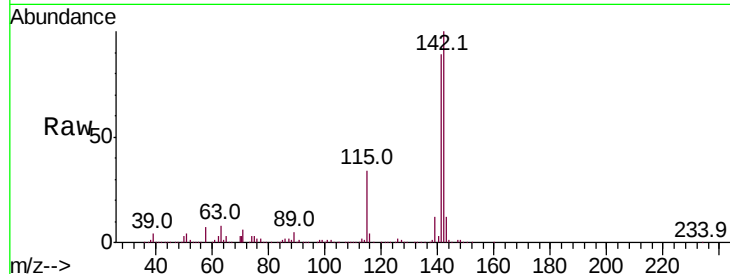
#37
2-Methylnaphthalene
Concen: 53.939 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

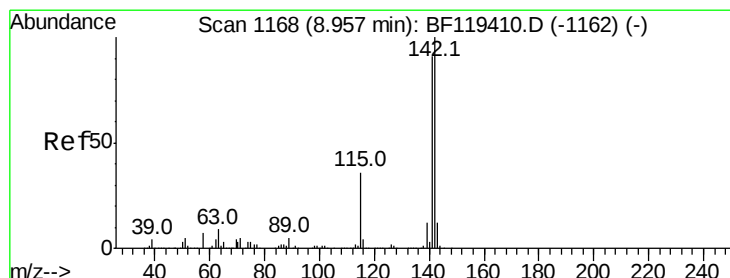
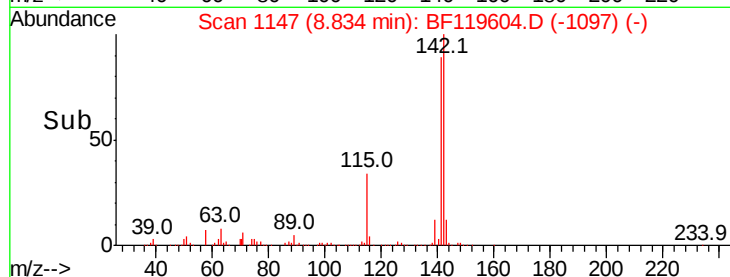
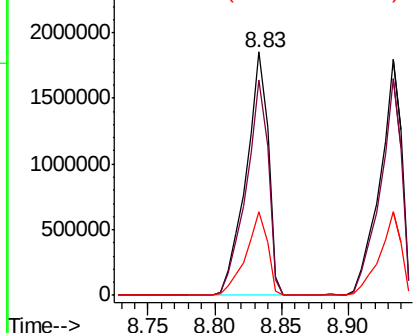
Tot Ion:142 Resp: 2106824
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 34.4 27.9 41.9

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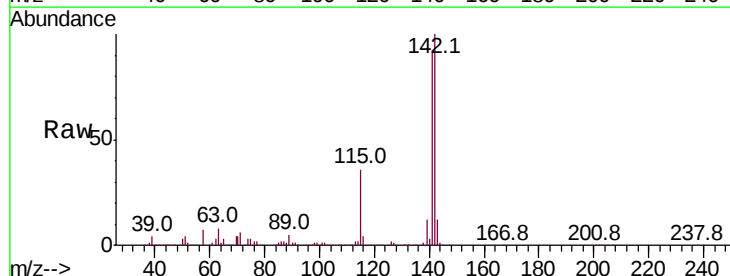


Abundance Ion 142.00 (141.70 to 142.70): E
2500000
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

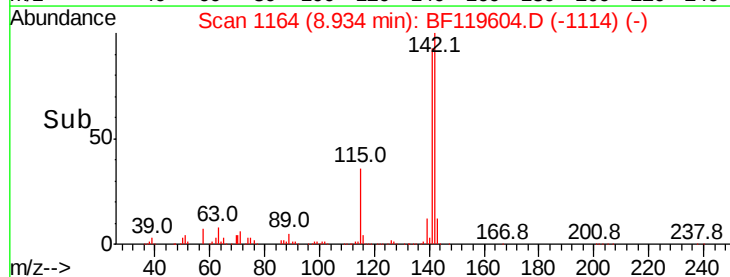
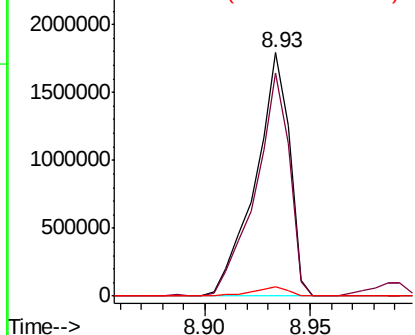


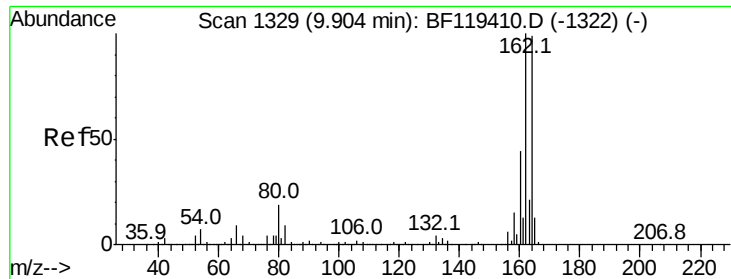
#38
1-Methylnaphthalene
Concen: 54.676 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion:142 Resp: 2021396
Ion Ratio Lower Upper
142 100
141 91.9 73.7 110.5
116 3.8 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
2500000
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





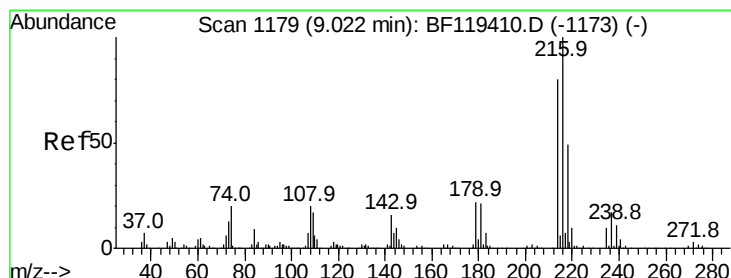
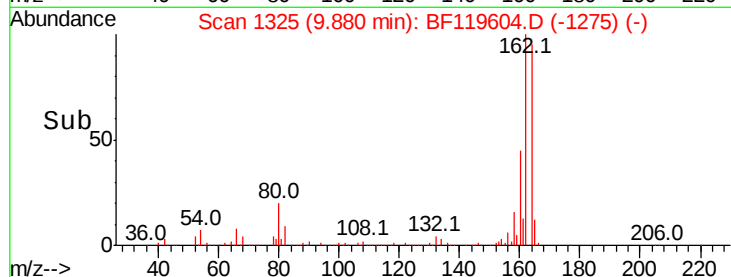
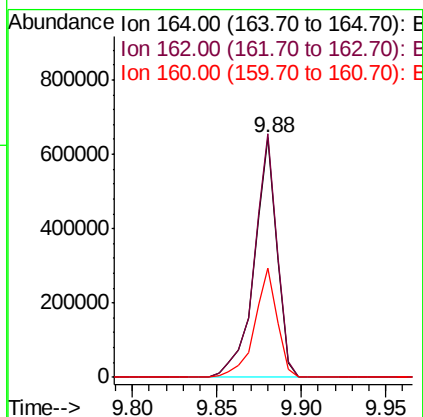
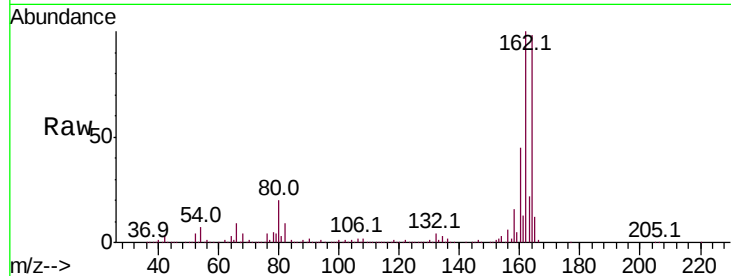
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	45.7	35.7	53.5

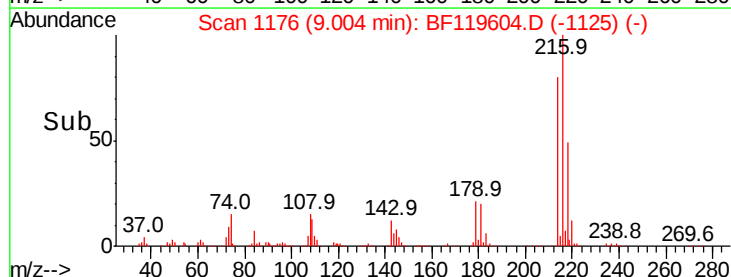
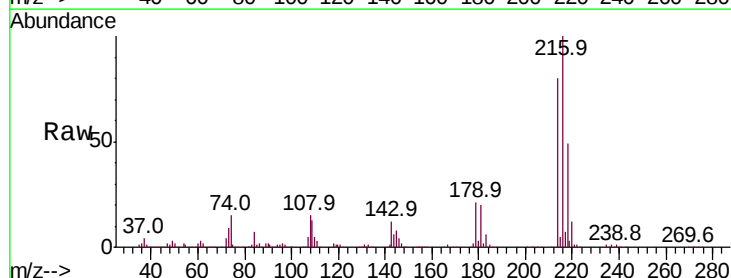
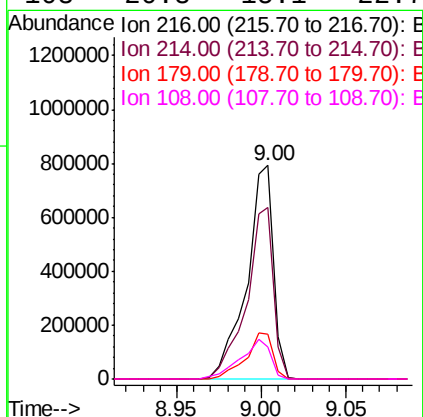
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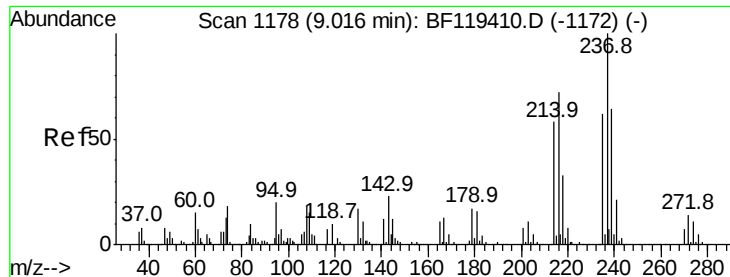
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.512 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.2	94.8
179	21.6	17.1	25.7
108	20.8	15.1	22.7





#41

Hexachlorocyclopentadiene

Concen: 91.543 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

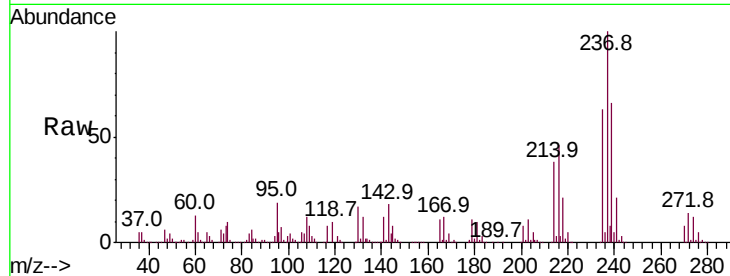
ClientSampleId :

TP-13-SAMS

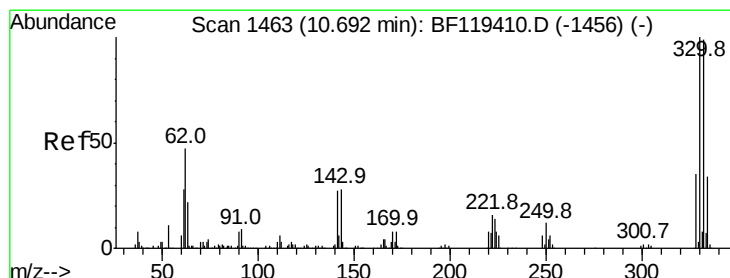
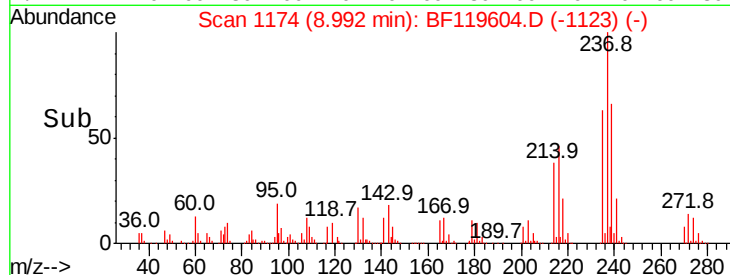
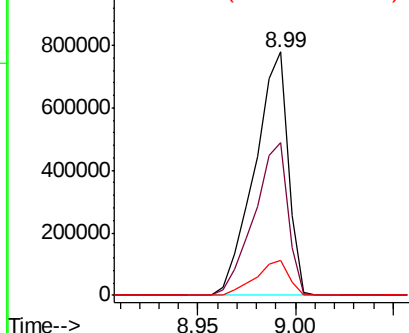
Tot Ion:	237	Resp:	926508
Ion Ratio		Lower	Upper
237	100		
235	63.0	43.2	83.2
272	14.4	0.0	34.1

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 152.167 ng

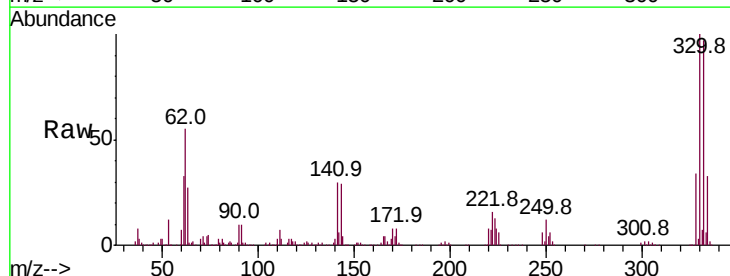
RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

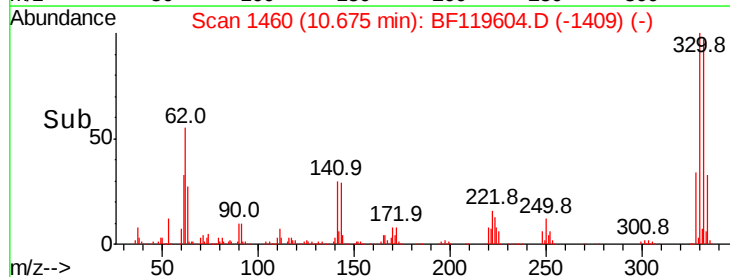
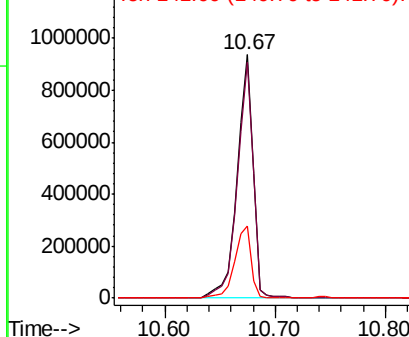
Lab File: BF119604.D

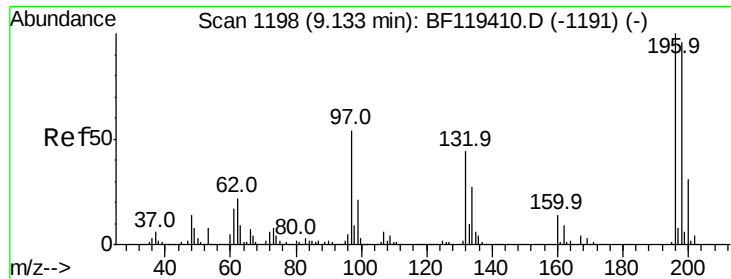
Acq: 28 Mar 2020 8:41

Tgt Ion:	330	Resp:	953493
Ion Ratio		Lower	Upper
330	100		
332	96.9	75.7	113.5
141	30.9	25.4	38.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





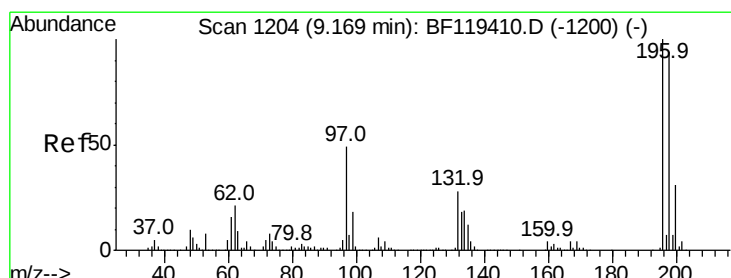
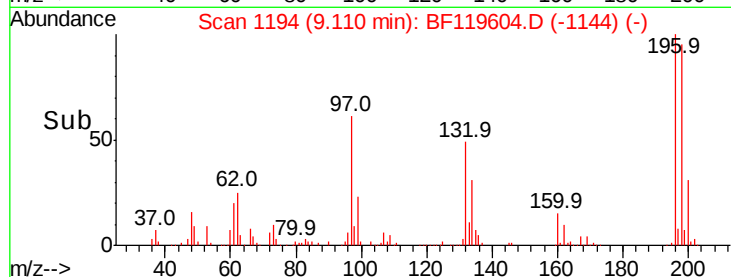
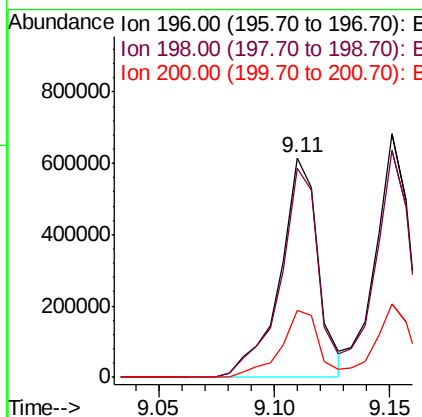
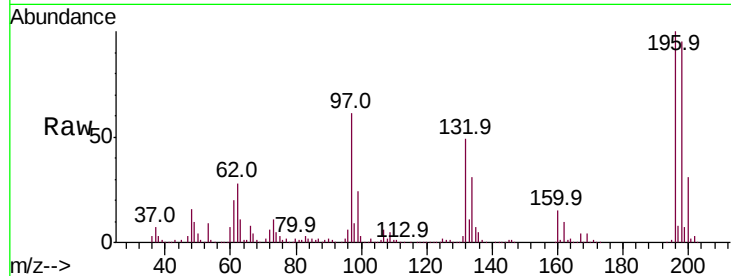
#43
 2,4,6-Trichlorophenol
 Concen: 55.369 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	705400		
198	95.0	76.6	115.0	
200	30.5	24.6	36.8	

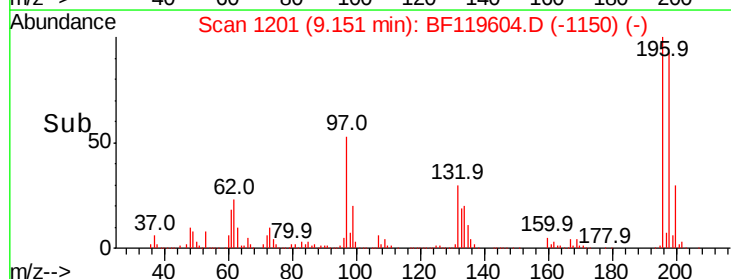
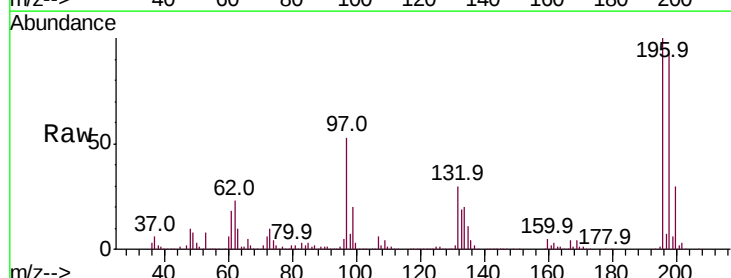
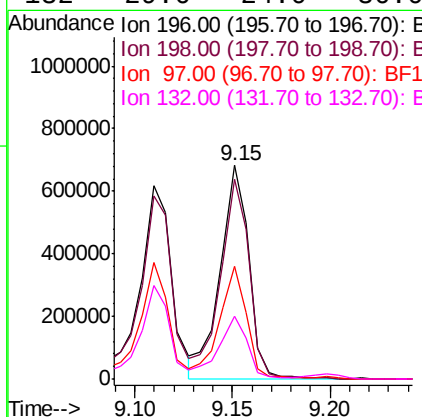
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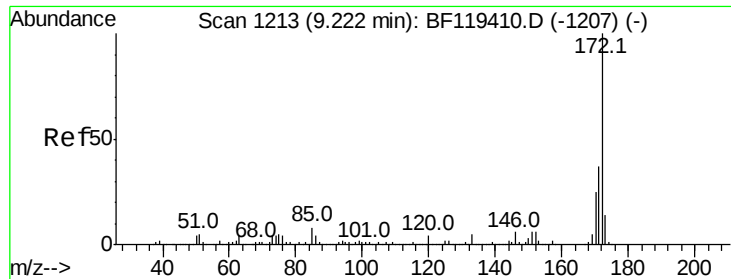
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#44
 2,4,5-Trichlorophenol
 Concen: 48.357 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	690140		
198	93.4	73.8	110.8	
97	52.6	42.6	63.8	
132	29.6	24.0	36.0	





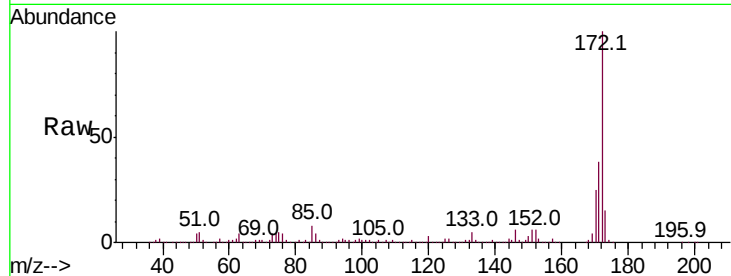
#45
2-Fluorobiphenyl
Concen: 92.703 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

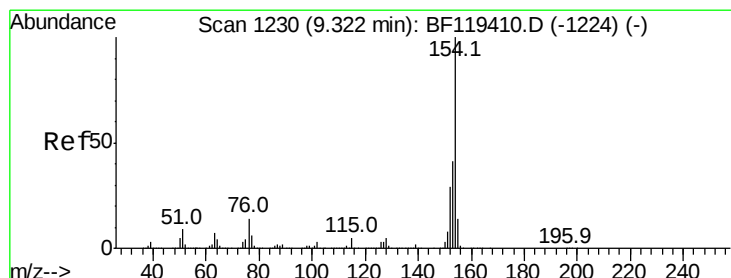
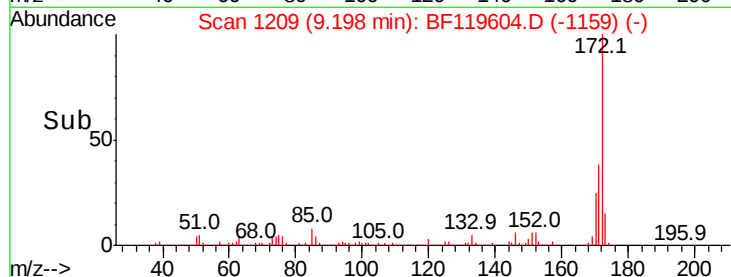
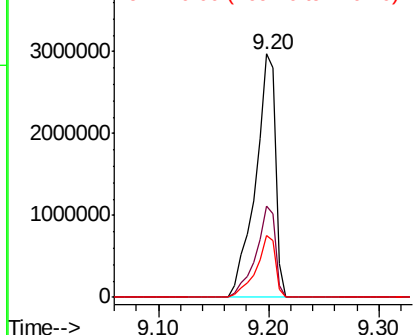
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.6	44.4
170	25.2	20.2	30.2

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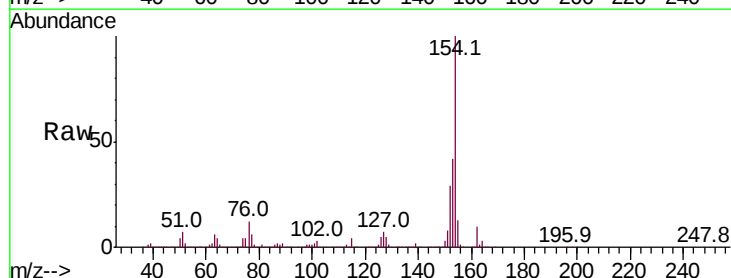


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

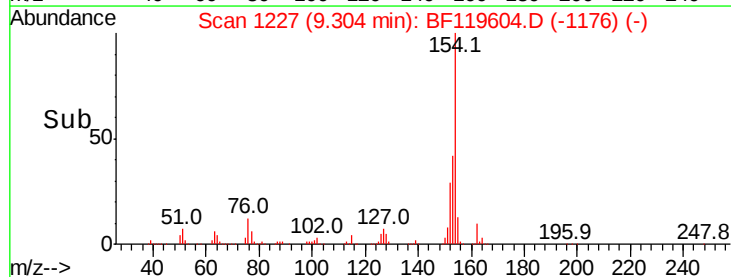
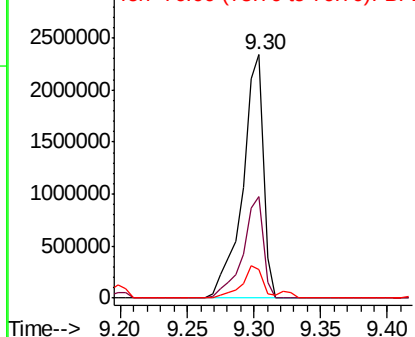


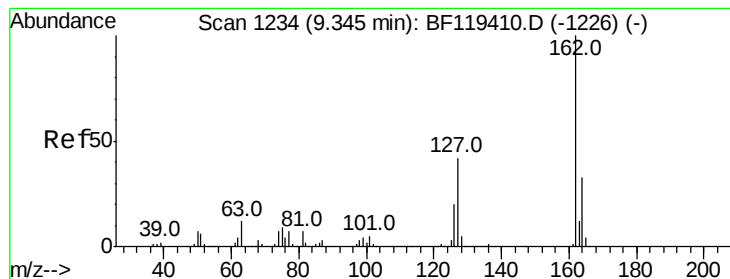
#46
1,1'-Biphenyl
Concen: 50.768 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.4	61.4
76	11.8	0.0	33.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





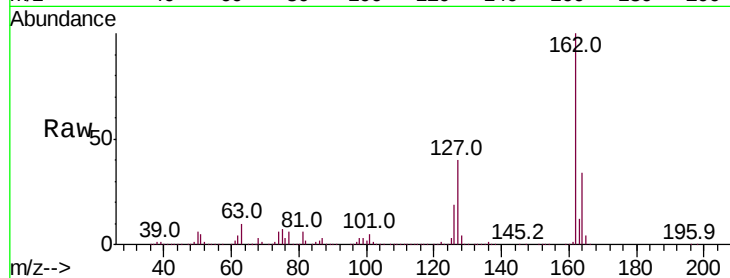
#47
 2-Chloronaphthalene
 Concen: 50.166 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SAMS

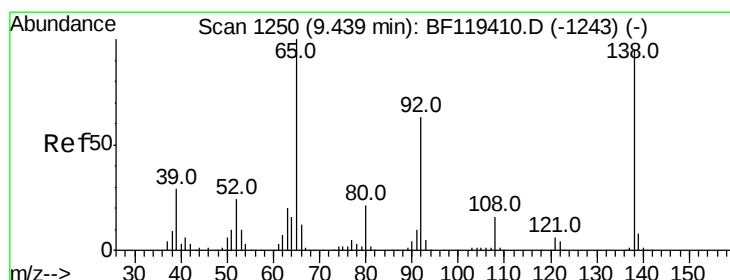
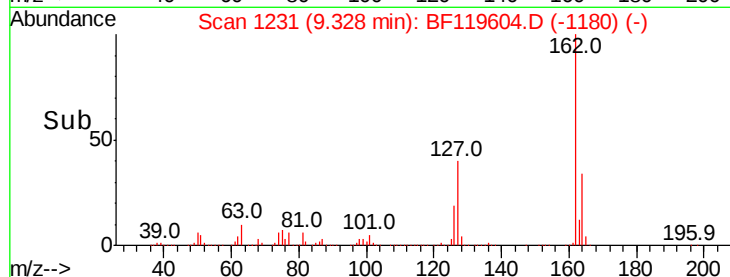
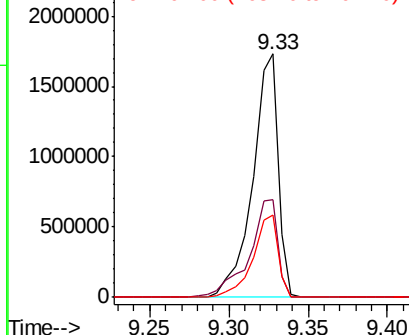
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.4	33.7	50.5
164	33.9	26.3	39.5

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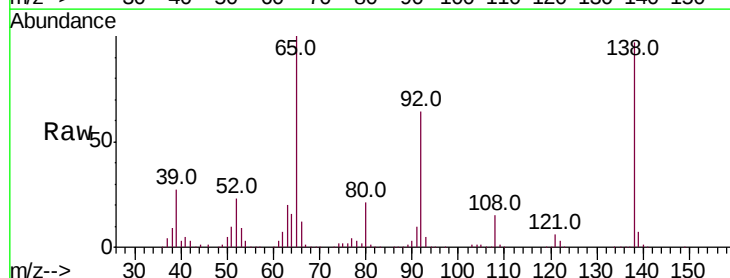


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

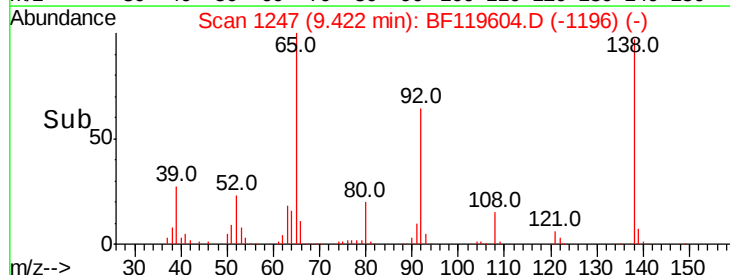
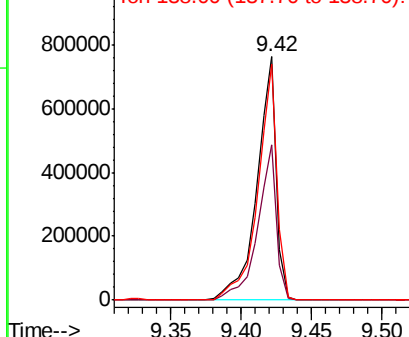


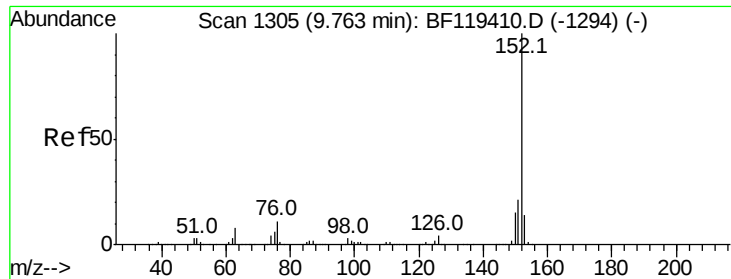
#48
 2-Nitroaniline
 Concen: 55.152 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.9	50.0	75.0
138	96.9	75.0	112.4



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 50.047 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:152 Resp: 3045352

Ion Ratio Lower Upper

152 100

151 21.4 17.2 25.8

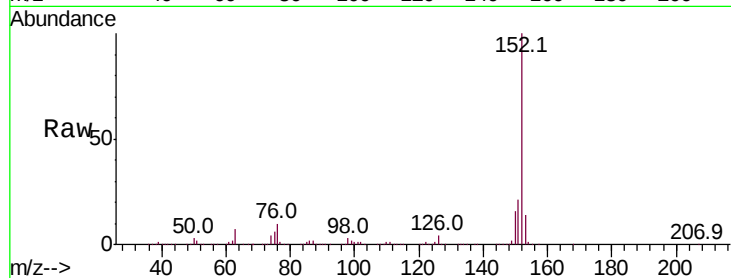
153 14.0 11.2 16.8

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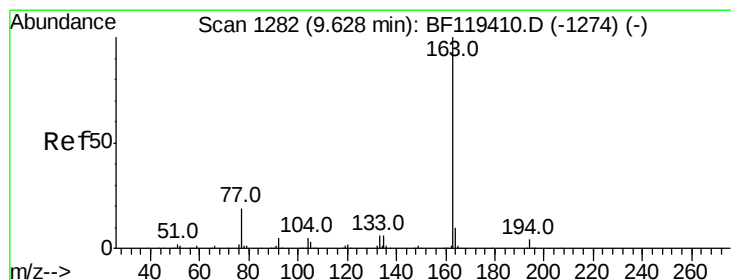
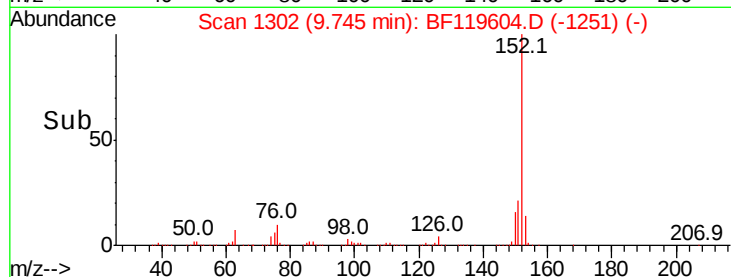
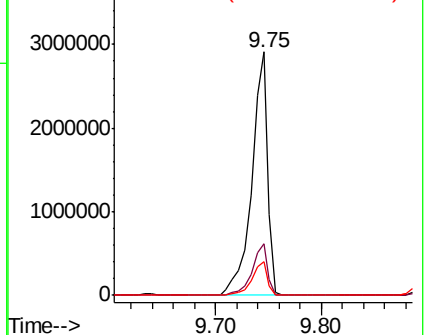
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 58.940 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

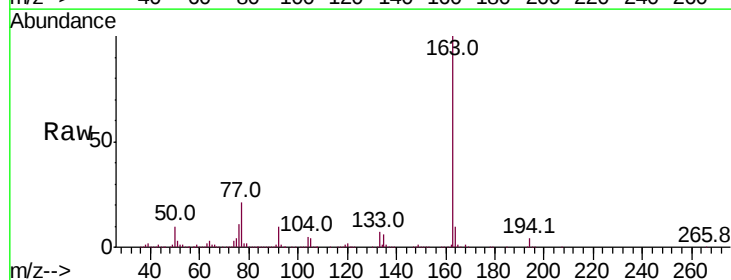
Tgt Ion:163 Resp: 2542798

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

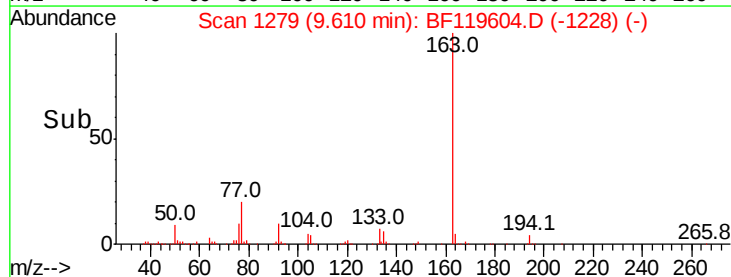
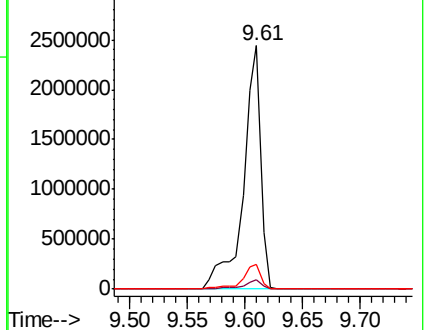
164 10.4 8.2 12.2

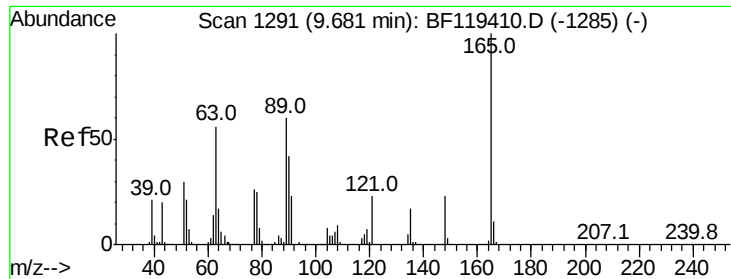


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 58.269 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

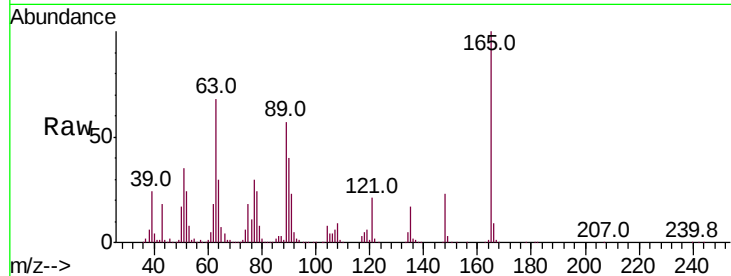
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Tot Ion:165 Resp: 538833
Ion Ratio Lower Upper

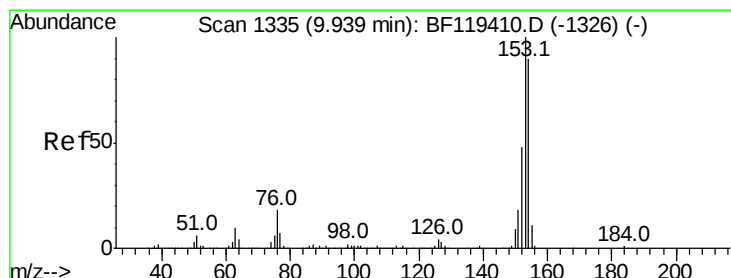
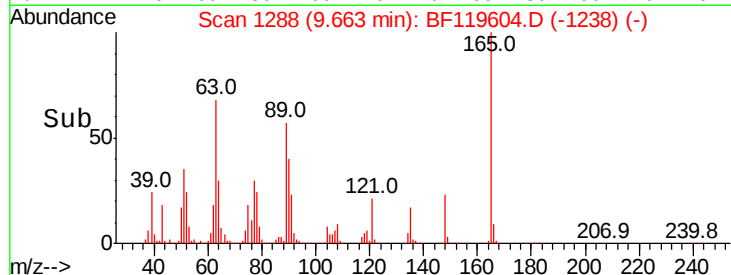
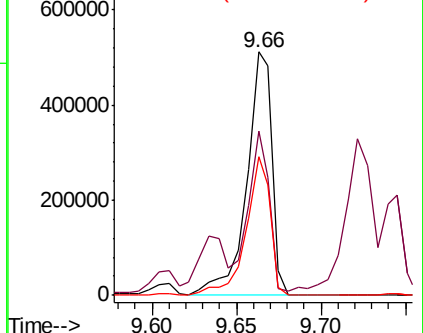
165	100		
63	67.6	45.0	67.4#
89	57.1	41.5	62.3

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 55.283 ng

RT: 9.92 min Scan# 1331

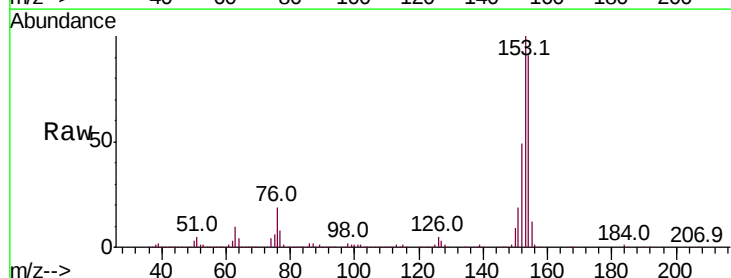
Delta R.T. -0.01 min

Lab File: BF119604.D

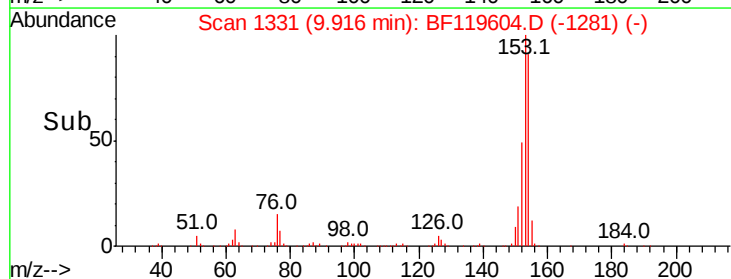
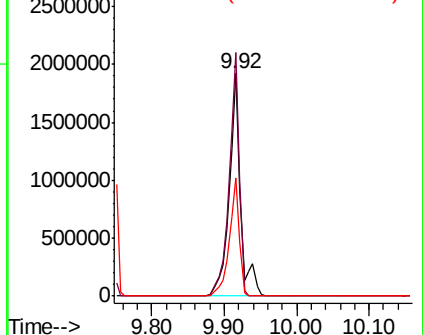
Acq: 28 Mar 2020 8:41

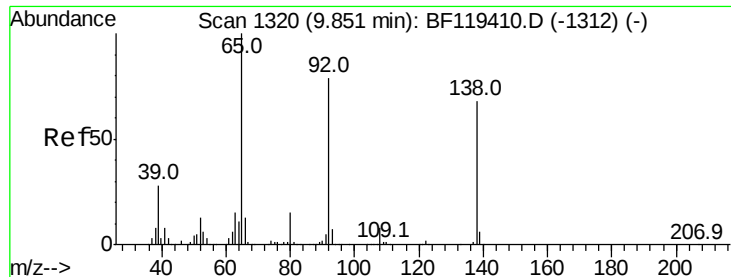
Tgt Ion:154 Resp: 2097116
Ion Ratio Lower Upper

154	100		
153	109.4	88.1	132.1
152	53.2	43.0	64.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





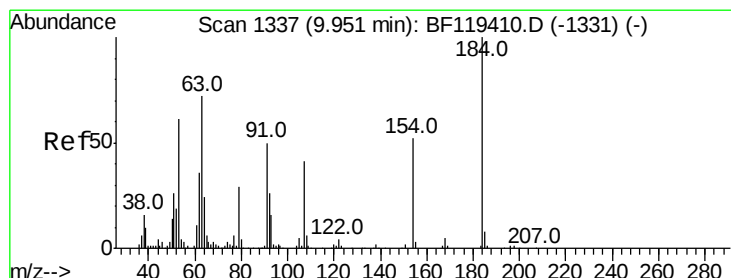
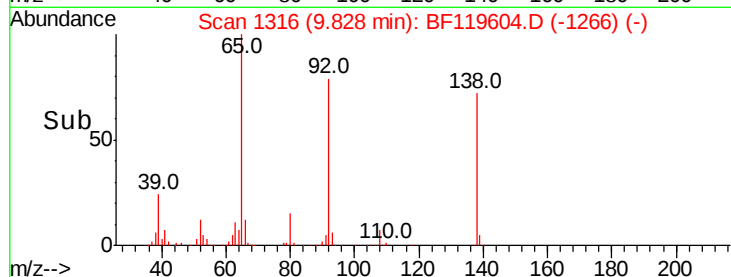
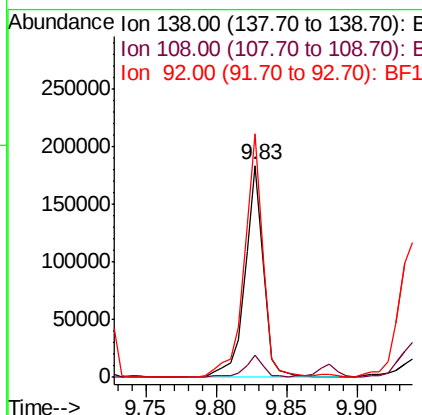
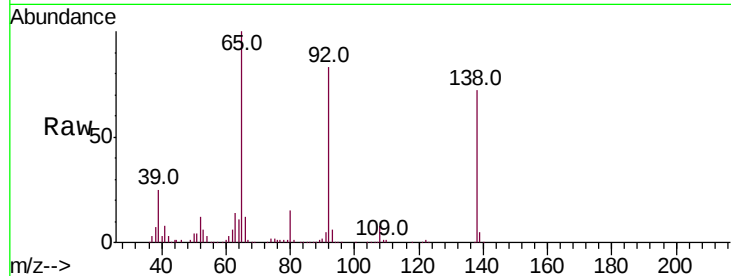
#53
3-Nitroaniline
Concen: 14.276 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampled :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.6	13.0
92	114.9	95.4	143.0

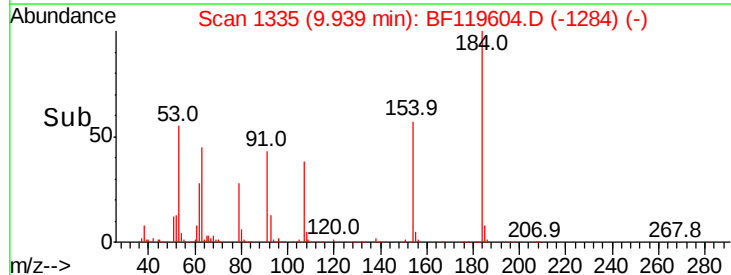
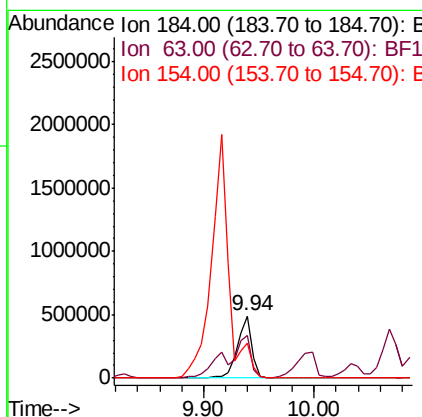
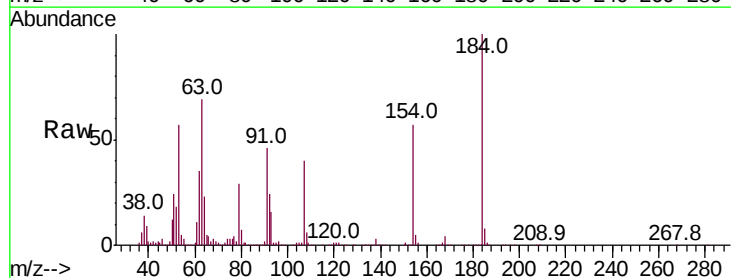
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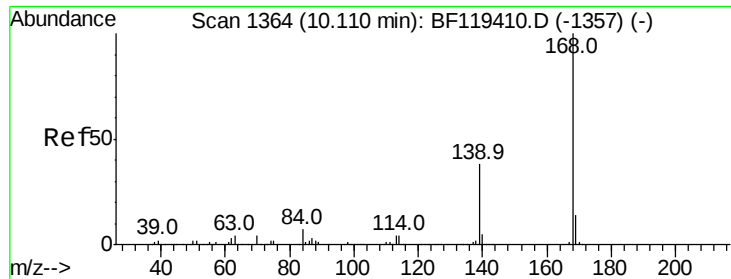
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#54
2,4-Dinitrophenol
Concen: 110.182 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.0	50.2	75.4
154	57.0	44.5	66.7





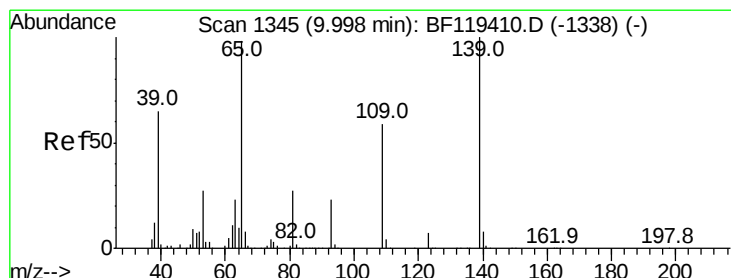
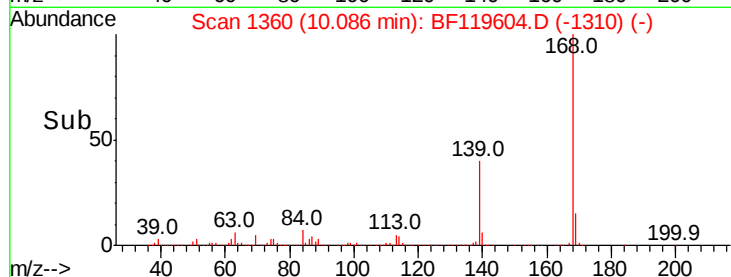
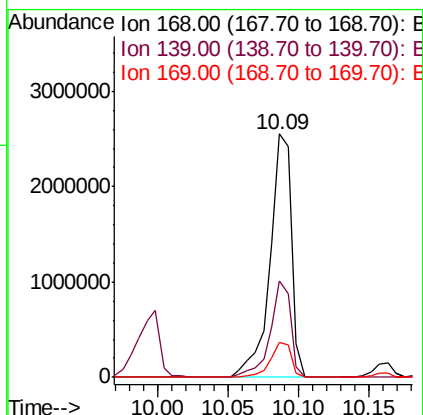
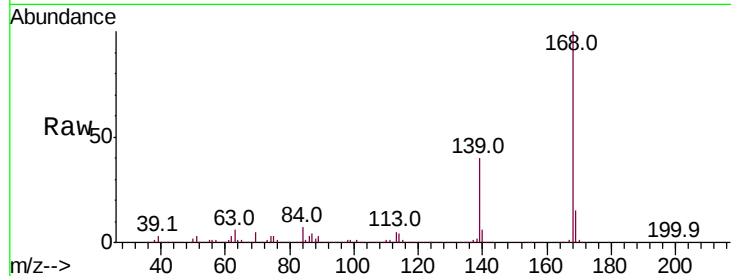
#55
Dibenzofuran
Concen: 50.356 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.5	30.1	45.1
169	14.5	11.0	16.6

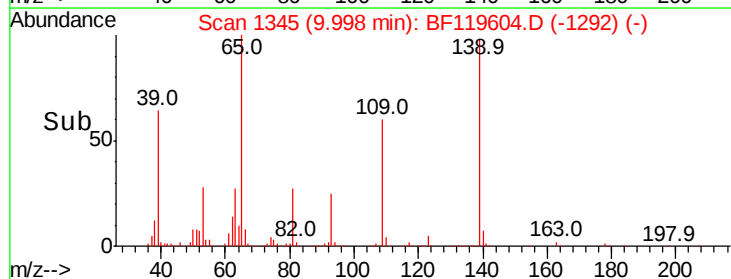
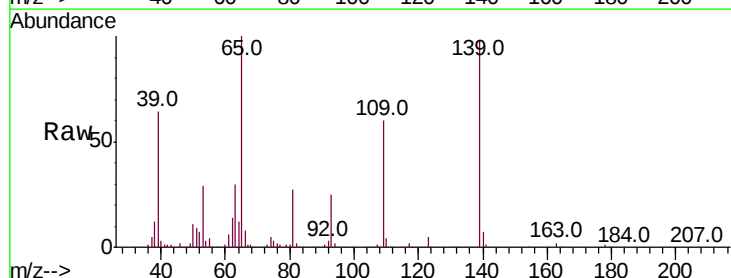
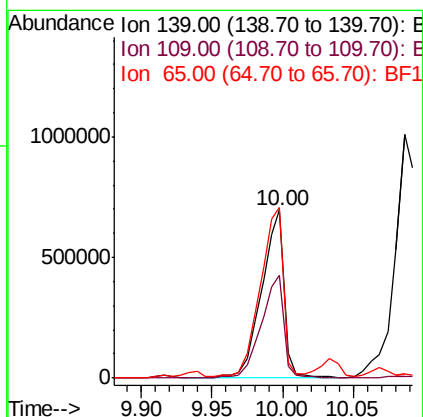
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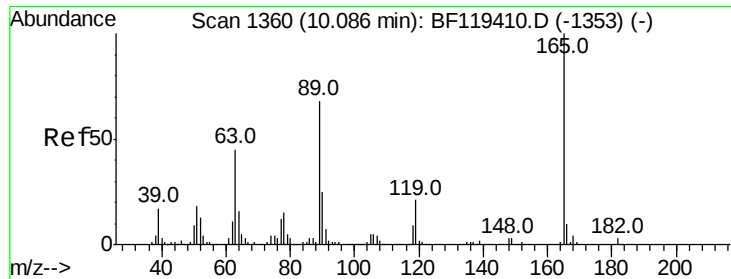
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#56
4-Nitrophenol
Concen: 84.262 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
139	100		
109	61.1	43.3	83.3
65	101.8	91.0	131.0





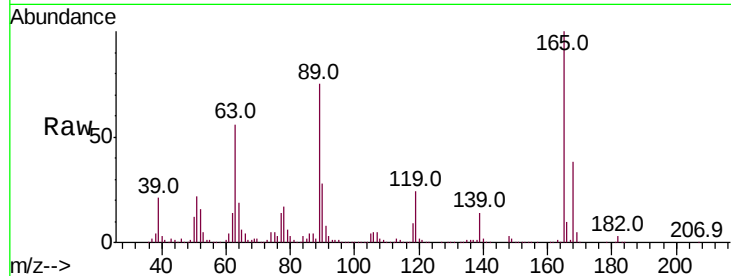
#57
2,4-Dinitrotoluene
Concen: 60.985 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.7	42.6	64.0
89	74.9	61.0	91.4
182	2.5	2.2	3.2

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3/31/2020 8:13:59 AM



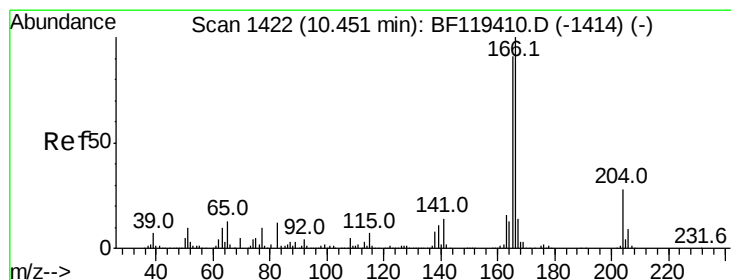
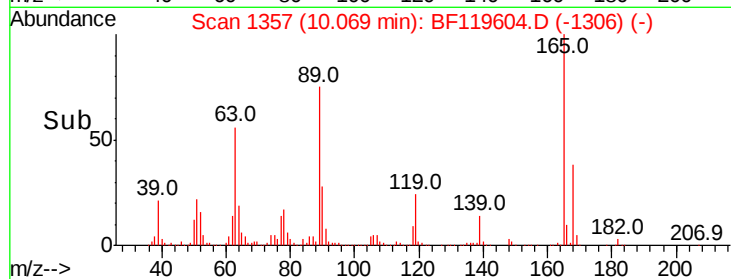
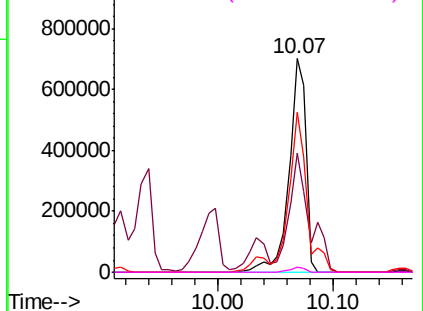
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 52.139 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

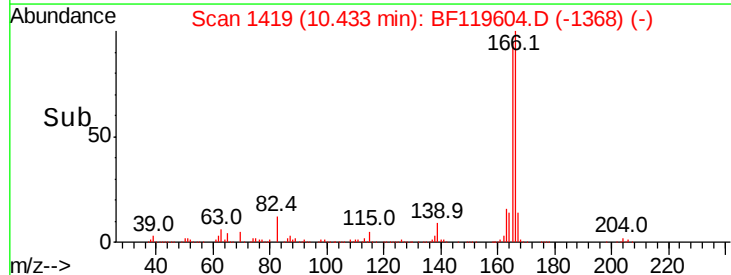
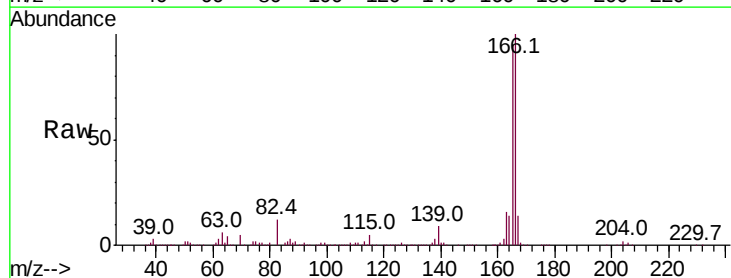
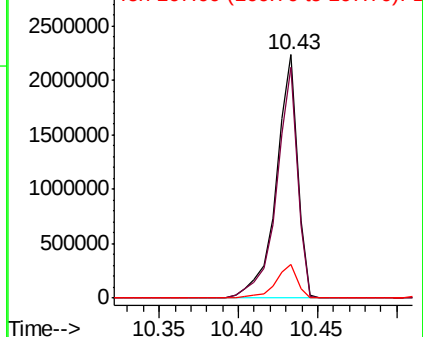
Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.7	75.4	113.2
167	14.0	11.2	16.8

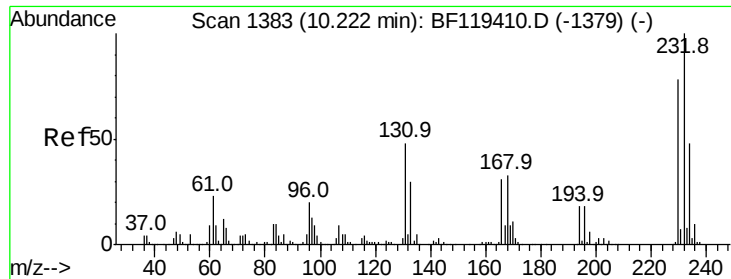
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





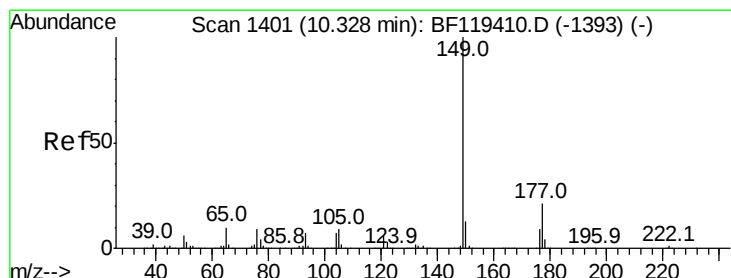
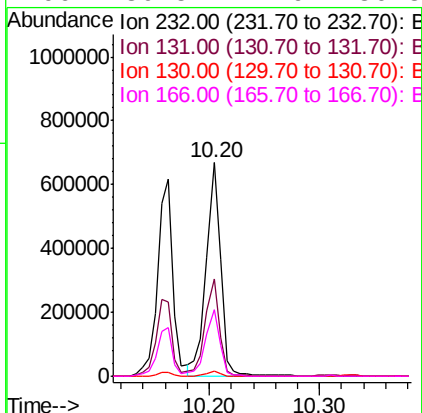
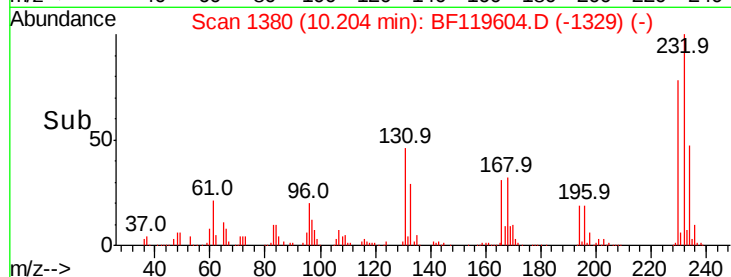
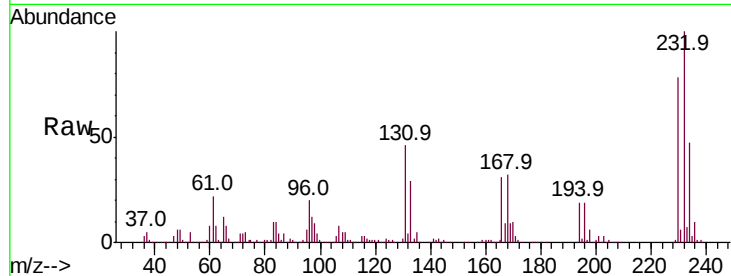
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 55.312 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SAMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	590064		
131	44.3		37.5	56.3
130	2.2		1.8	2.6
166	30.5		24.6	36.8

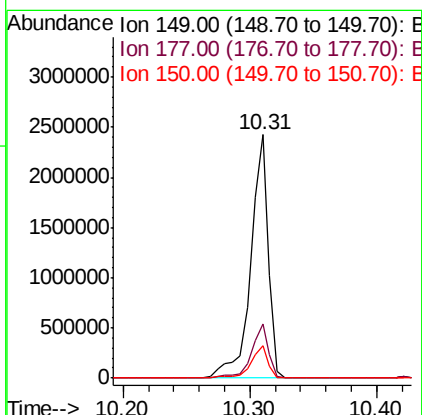
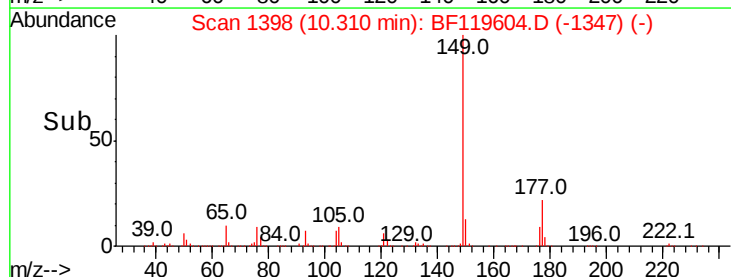
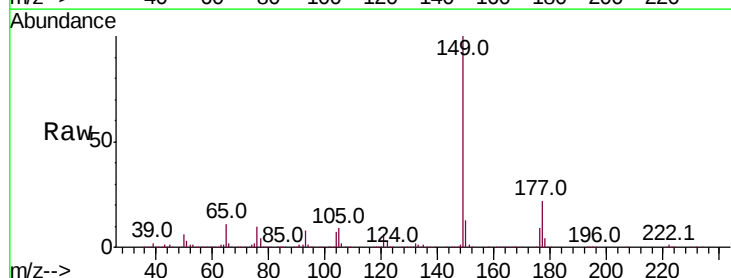
Manual Integrations
 APPROVED

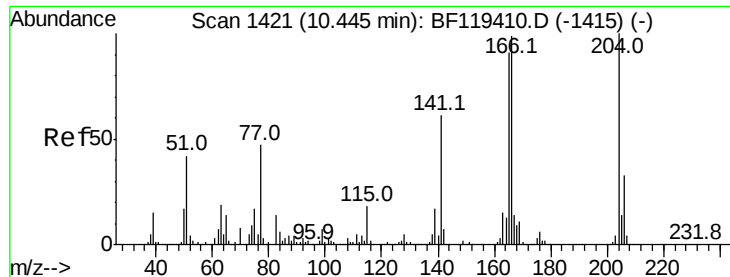
mohammad
 3/31/2020 8:13:59 AM



#60
 Diethylphthalate
 Concen: 53.564 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2345387		
177	22.2		17.0	25.6
150	13.1		10.1	15.1





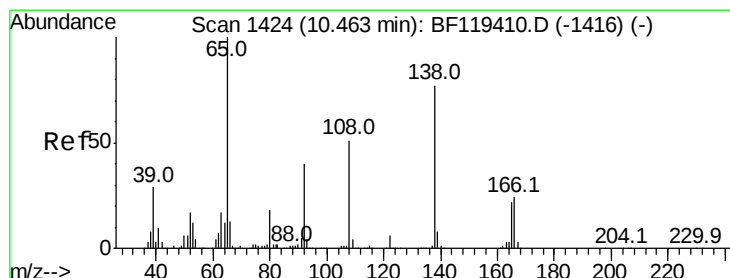
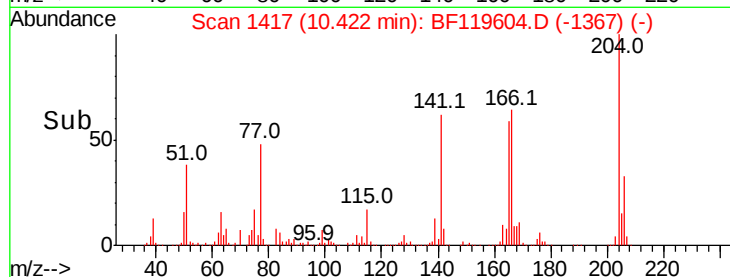
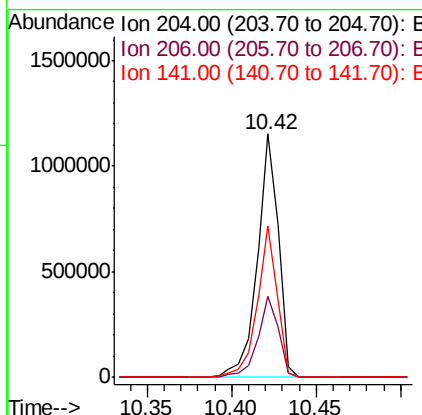
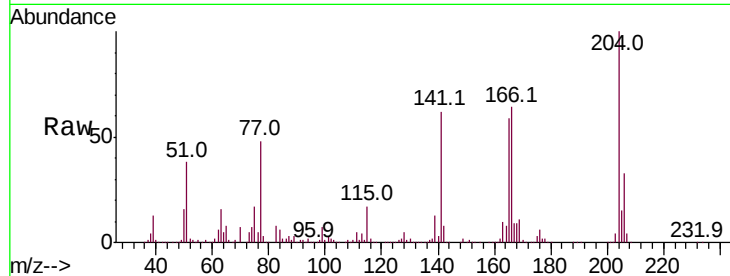
#61
4-Chlorophenyl-phenylether
Concen: 50.971 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.7	40.1
141	62.3	47.3	70.9

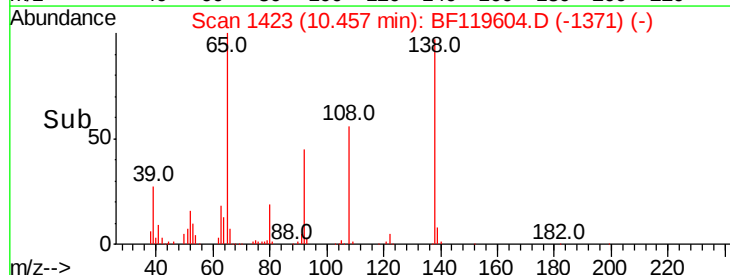
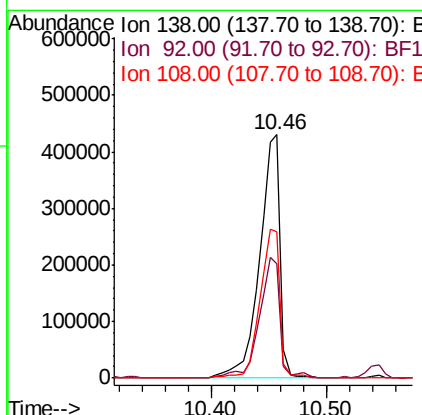
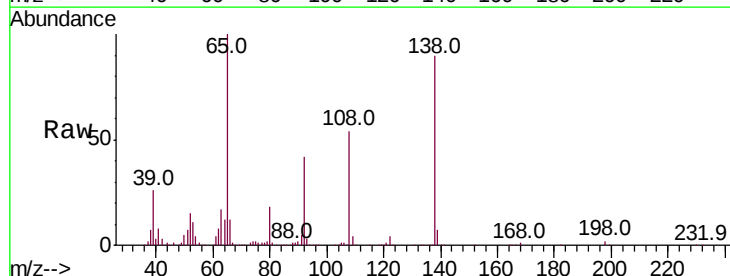
Manual Integrations
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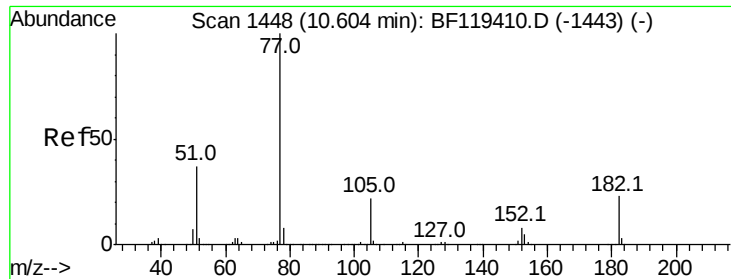
mohammad
3/31/2020 8:13:59 AM



#62
4-Nitroaniline
Concen: 47.706 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.9	31.5	71.5
108	60.2	45.8	85.8





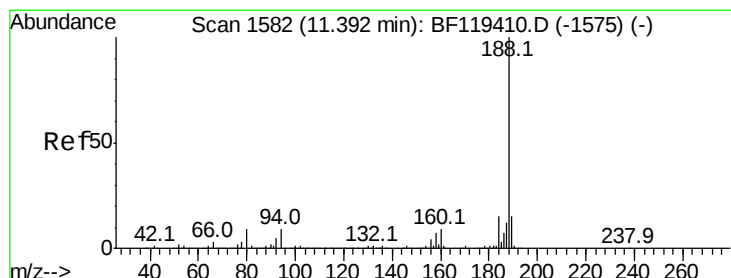
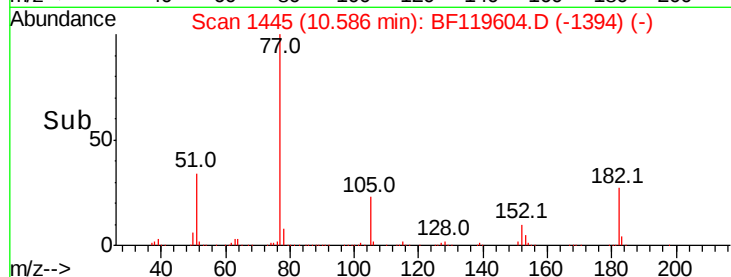
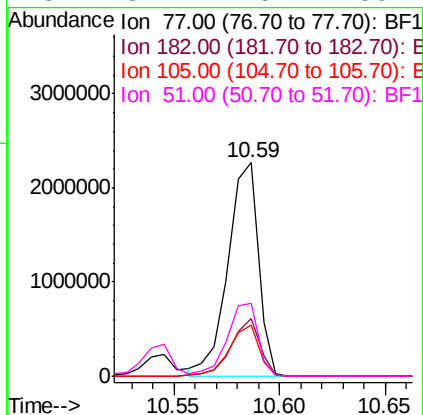
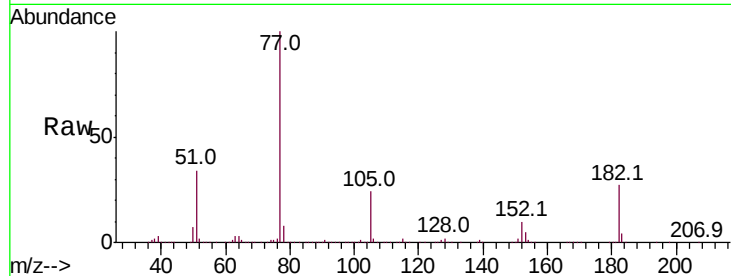
#63
Azobenzene
Concen: 51.124 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	27.1	4.4	44.4	
105	23.9	2.6	42.6	
51	34.2	15.1	55.1	

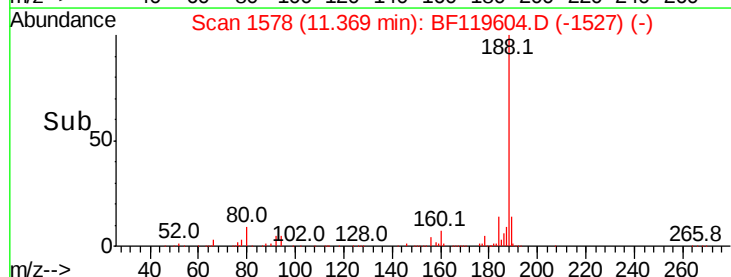
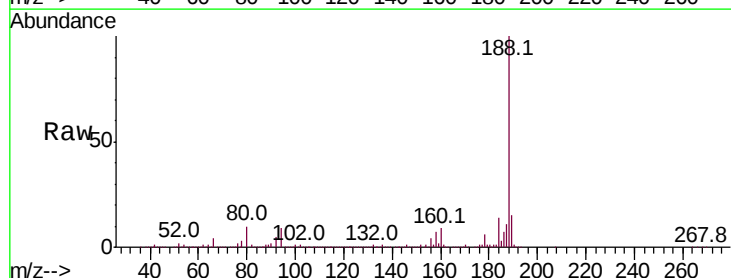
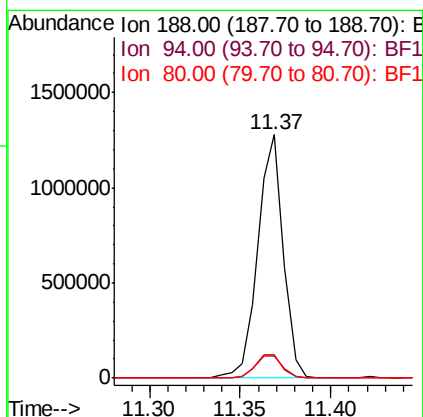
Manual Integrations
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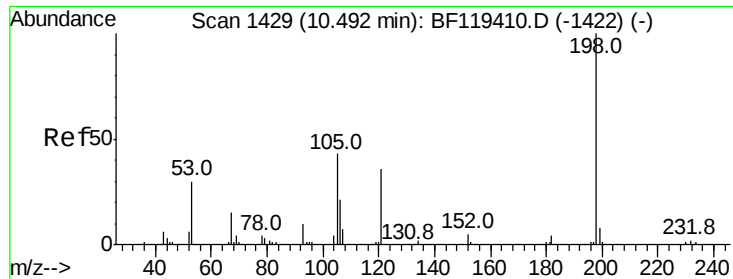
mohammad
3/31/2020 8:13:59 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.4	7.5	11.3	
80	9.6	9.0	13.4	





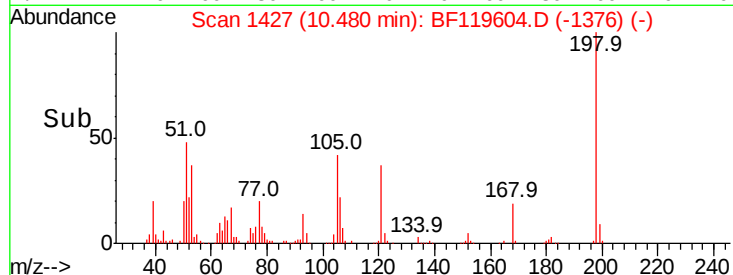
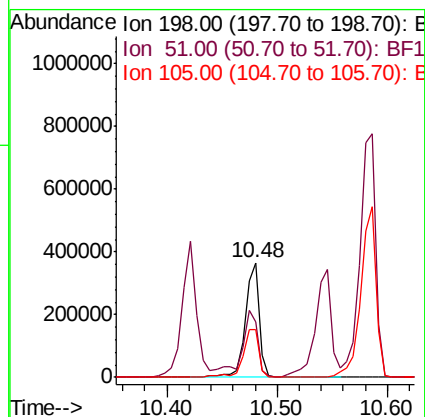
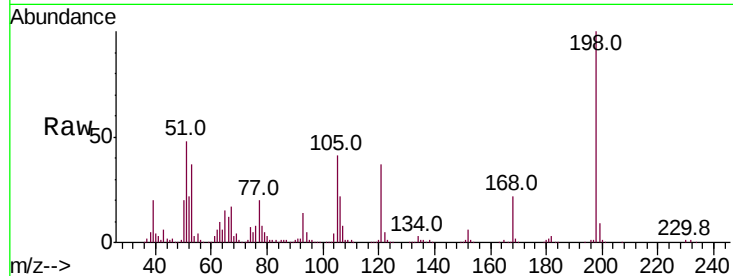
#65
 4,6-Dinitro-2-methylphenol
 Concen: 62.539 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampled :
 TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
198	100		
51	48.3	29.0	69.0
105	41.4	22.2	62.2

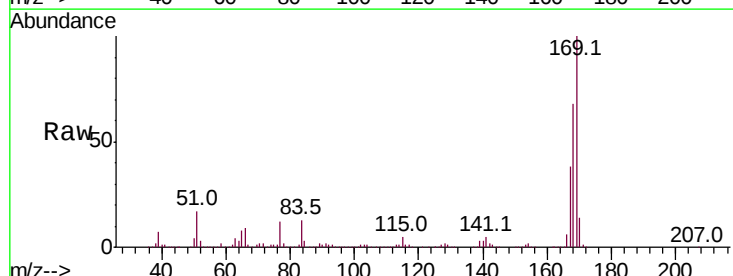
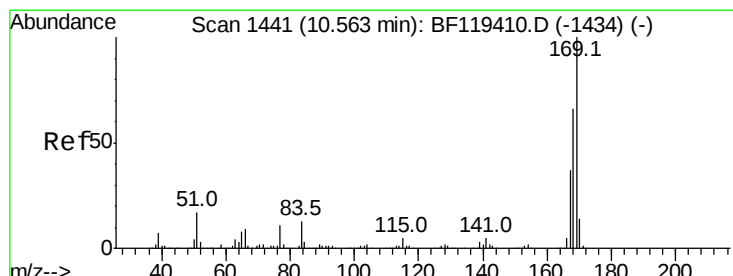
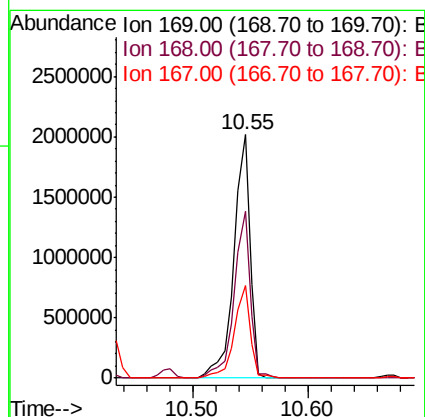
Manual Integrations
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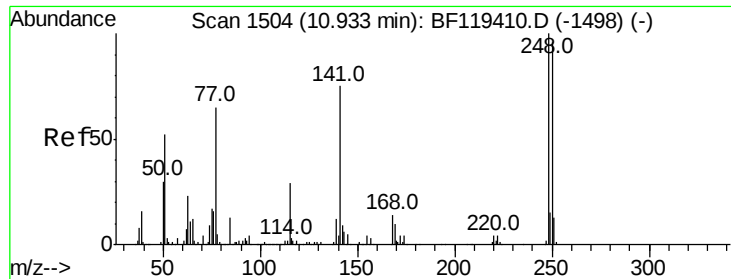
mohammad
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#66
 n-Nitrosodiphenylamine
 Concen: 47.979 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.4	53.2	79.8
167	37.8	29.1	43.7





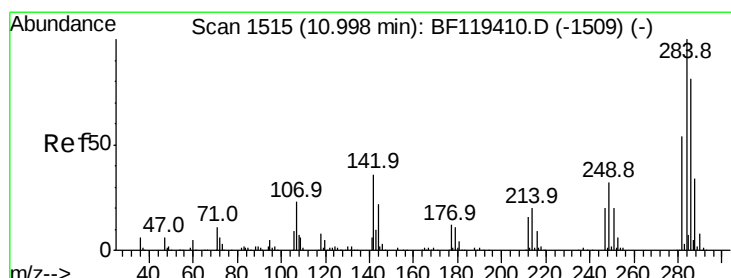
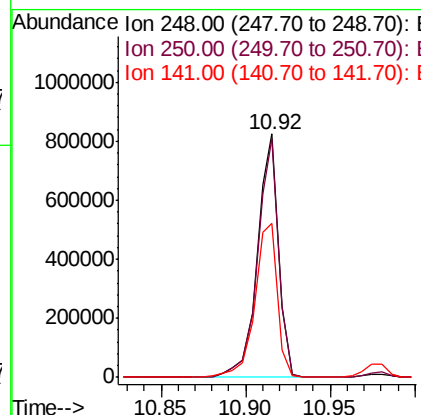
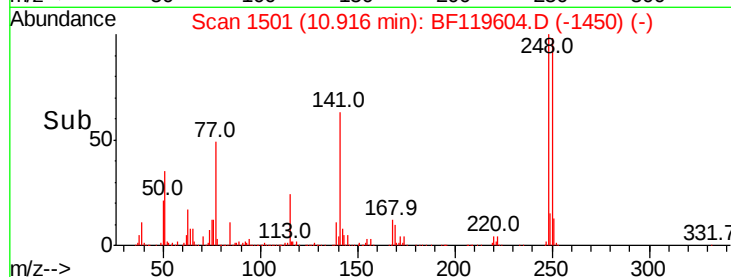
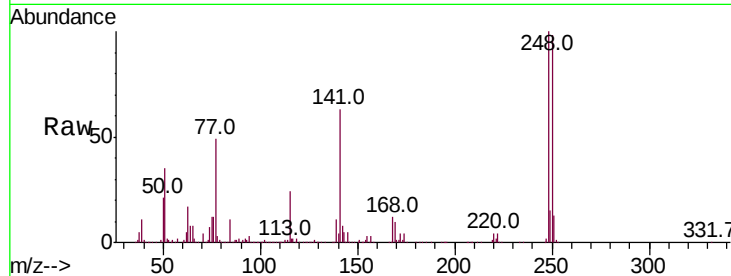
#67
4-Bromophenyl-phenylether
Concen: 51.119 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.3	115.9
141	63.4	58.6	87.8

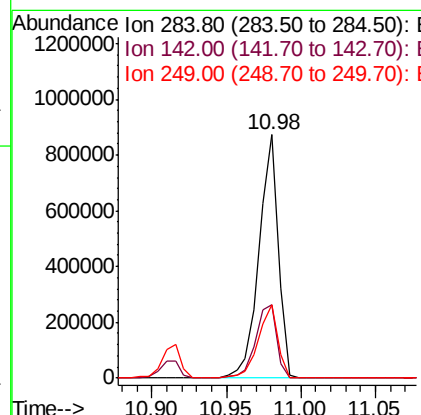
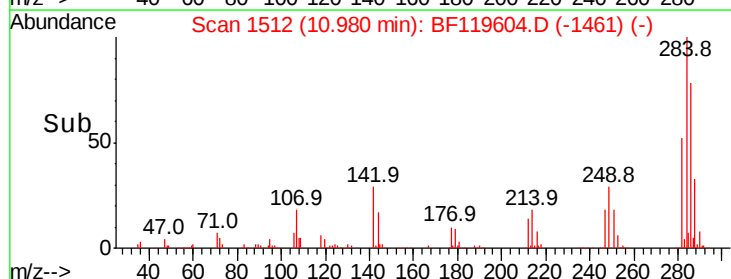
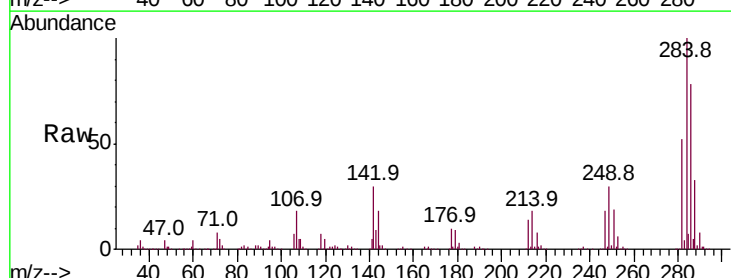
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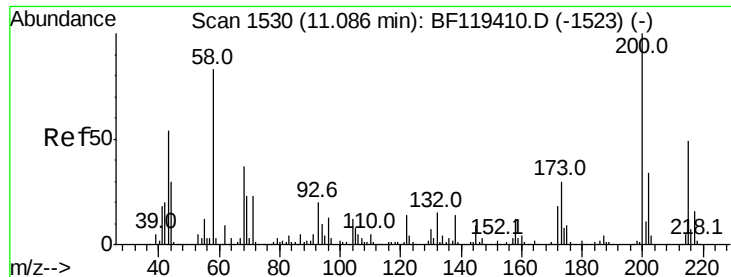
mohammad
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#68
Hexachlorobenzene
Concen: 53.336 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.1	29.2	43.8
249	29.9	25.1	37.7





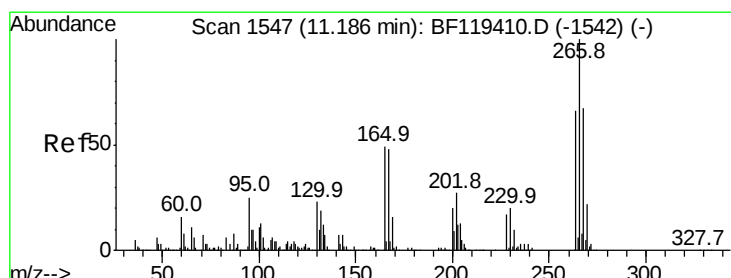
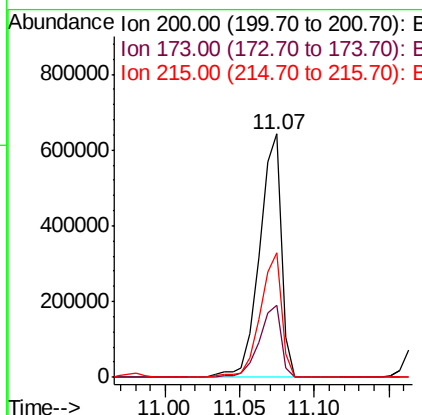
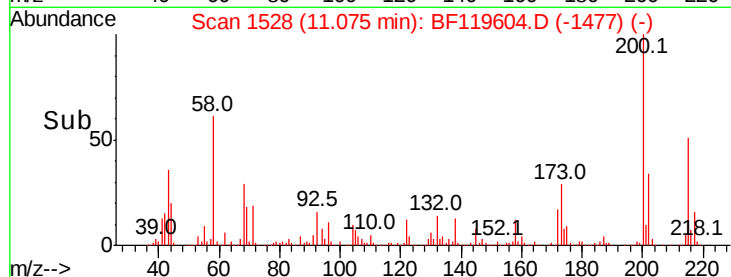
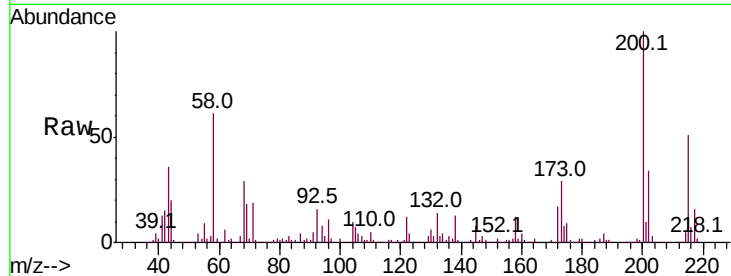
#69
Atrazine
Concen: 57.078 ng
RT: 11.07 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.5	9.3	49.3
215	51.2	29.5	69.5

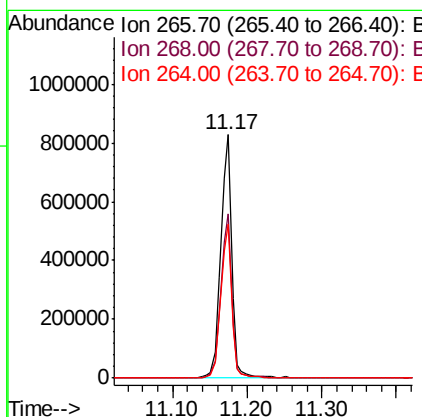
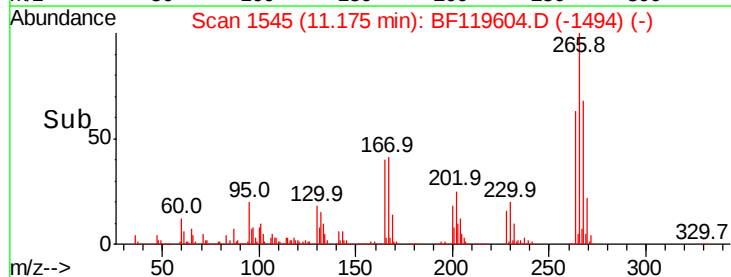
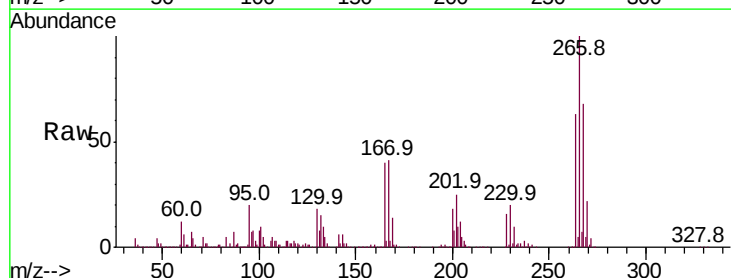
Manual Integrations
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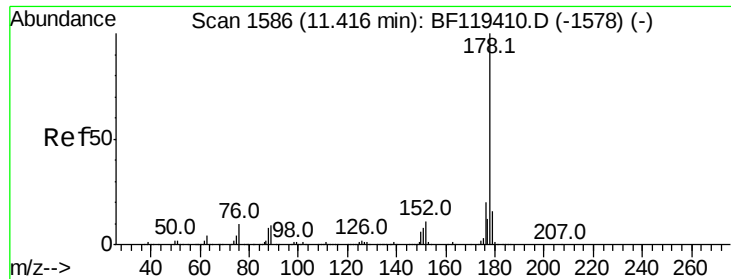
mohammad
3/31/2020 8:13:59 AM



#70
Pentachlorophenol
Concen: 99.125 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.00 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.6	53.3	79.9
264	63.2	49.0	73.4





#71

Phenanthrene

Concen: 49.999 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:178 Resp: 3235396

Ion Ratio Lower Upper

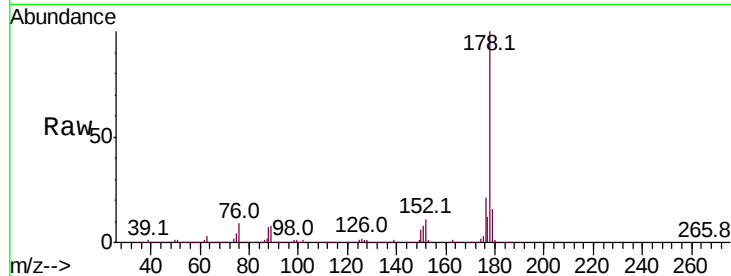
178 100

176 20.5 16.2 24.4

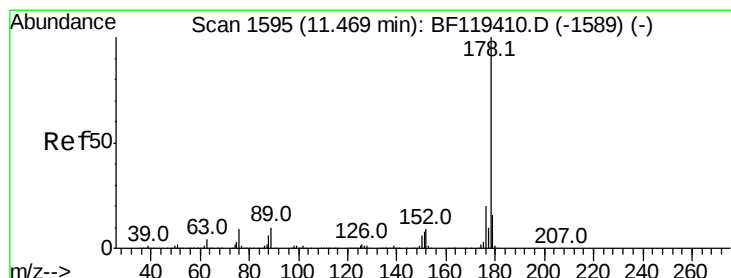
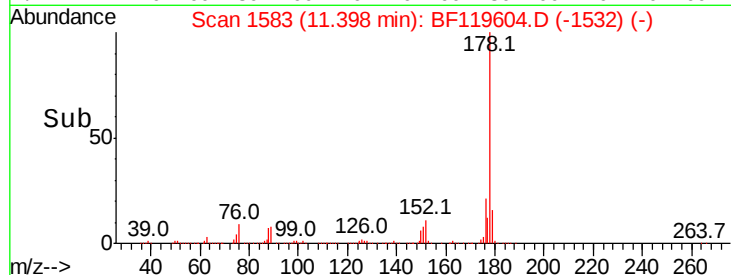
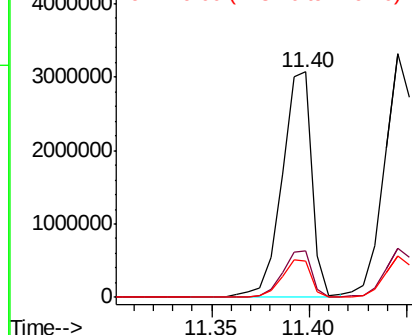
179 16.2 13.2 19.8

Manual Integrations
APPROVED

mohammad
3/31/2020 8:13:59 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 50.121 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Tgt Ion:178 Resp: 3296261

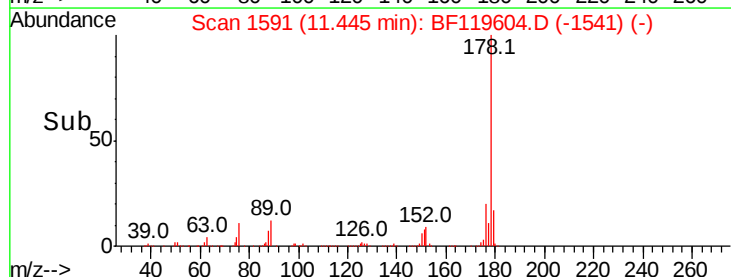
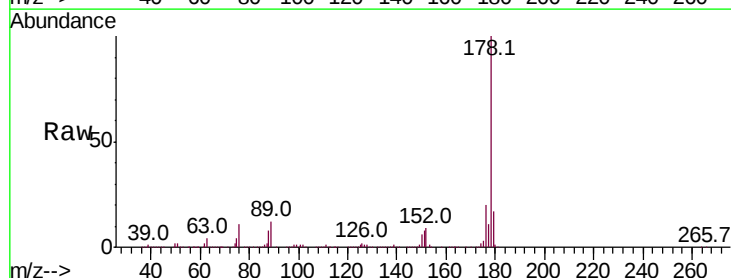
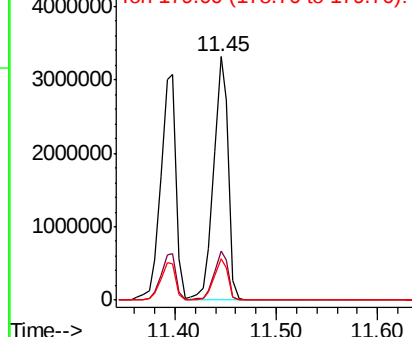
Ion Ratio Lower Upper

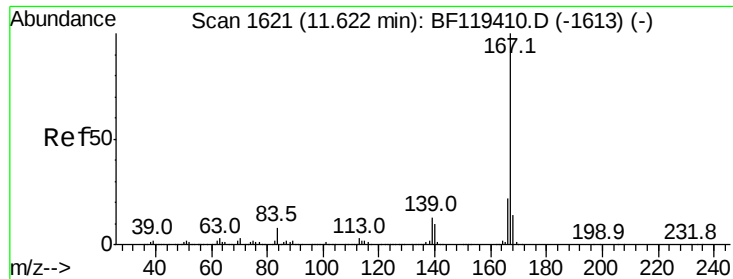
178 100

176 20.2 16.1 24.1

179 17.1 13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73
 Carbazole
 Concen: 47.834 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

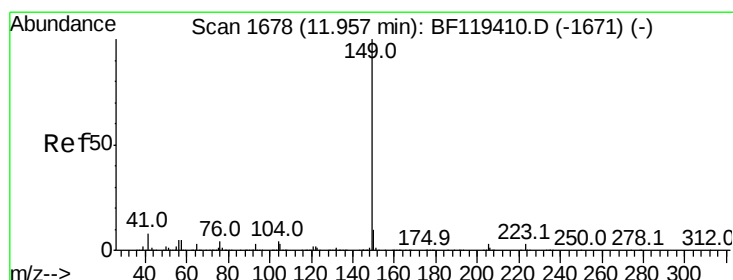
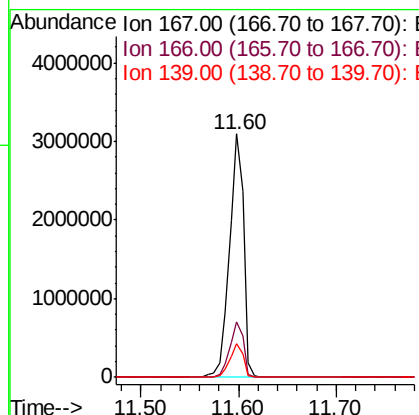
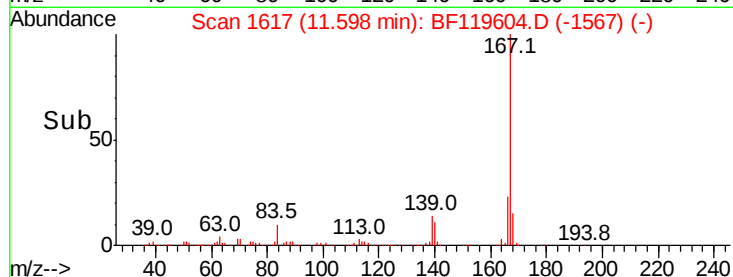
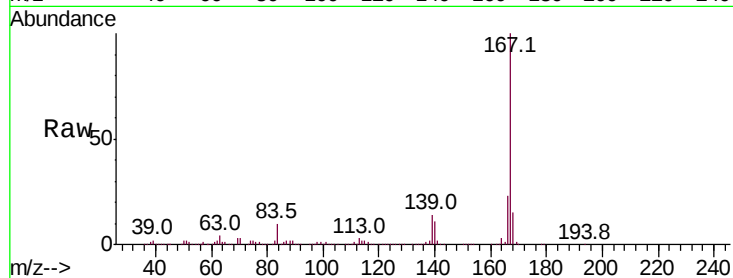
Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SAMS

Tot Ion:167 Resp: 3113789

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.2	27.4
139	13.9	10.7	16.1

Manual Integrations
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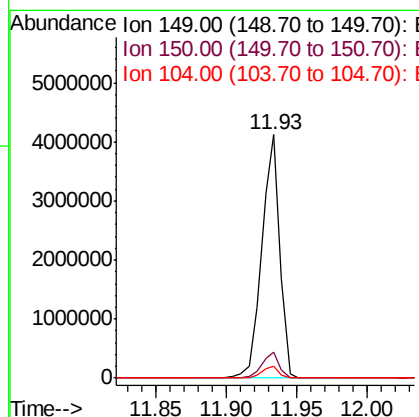
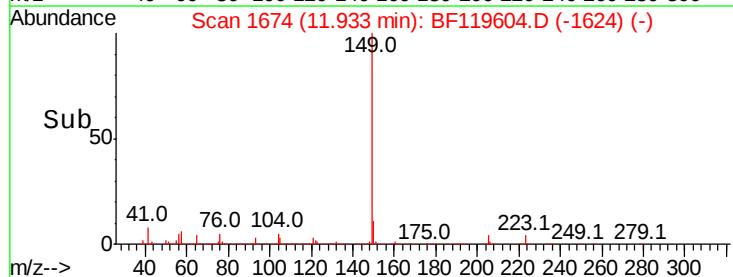
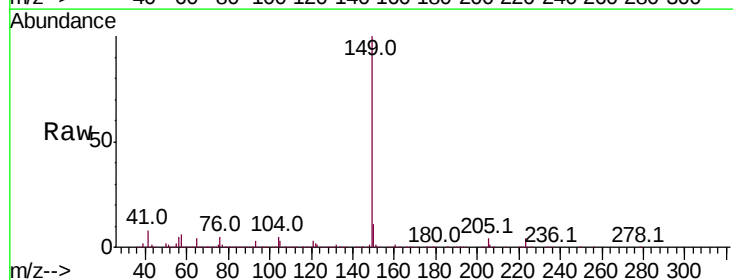
mohammad
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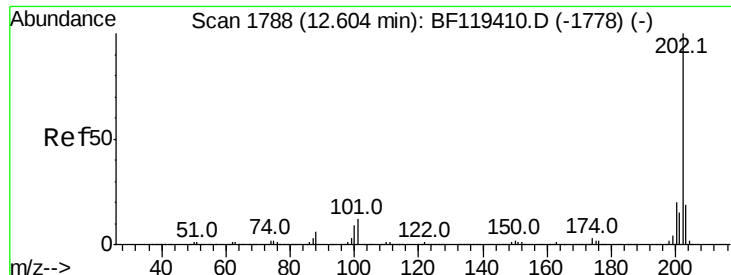


#74
 Di-n-butylphthalate
 Concen: 53.399 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion:149 Resp: 3718434

Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.8	11.8
104	5.1	3.6	5.4





#75

Fluoranthene

Concen: 48.907 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

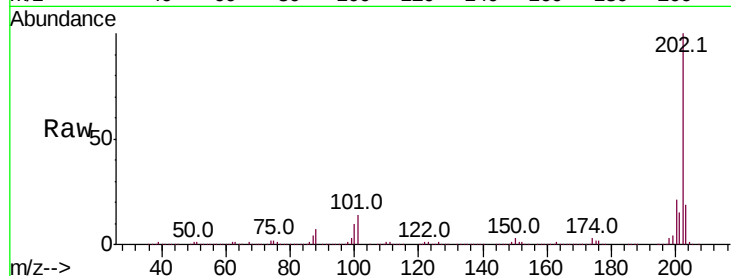
ClientSampleId :

TP-13-SAMS

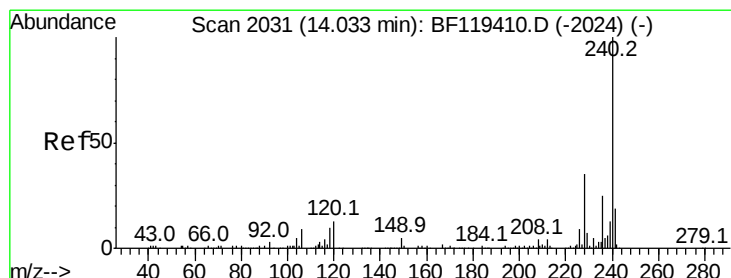
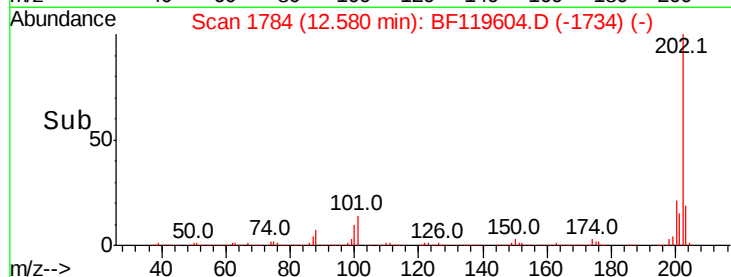
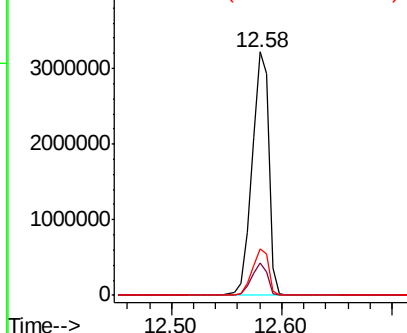
Tot Ion:	202	Resp:	3424963
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	32.2
203	19.2	0.0	38.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

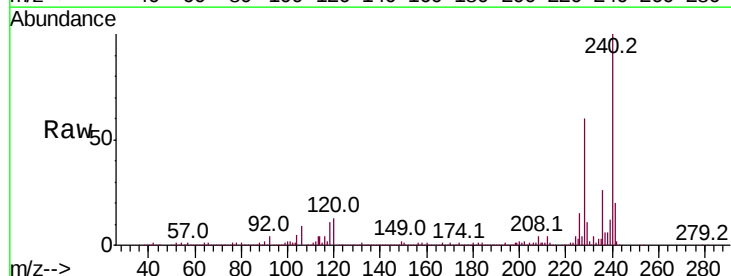
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

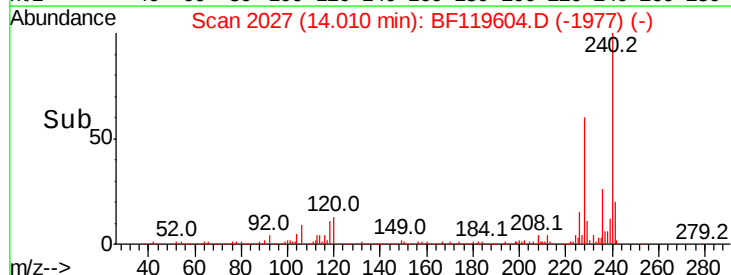
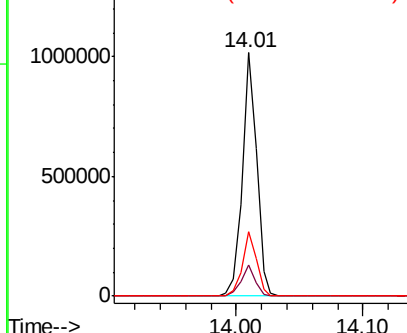
Lab File: BF119604.D

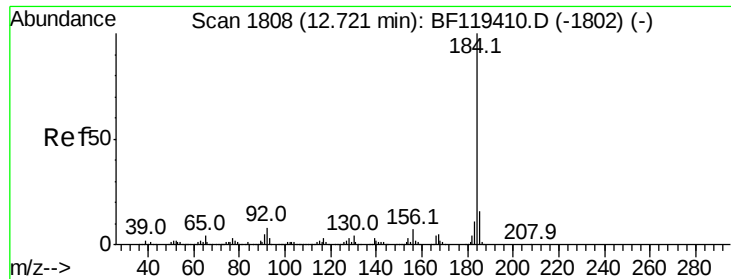
Acq: 28 Mar 2020 8:41

Tgt Ion:	240	Resp:	786712
Ion Ratio	Lower	Upper	
240	100		
120	12.9	10.6	15.8
236	26.2	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.418 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

Instrument :

BNA_F

ClientSampleId :

TP-13-SAMS

Tot Ion:184 Resp: 1478856

Ion Ratio Lower Upper

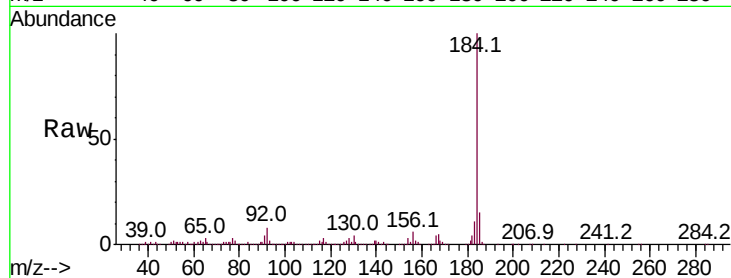
184 100

185 14.5 12.3 18.5

183 11.0 9.0 13.6

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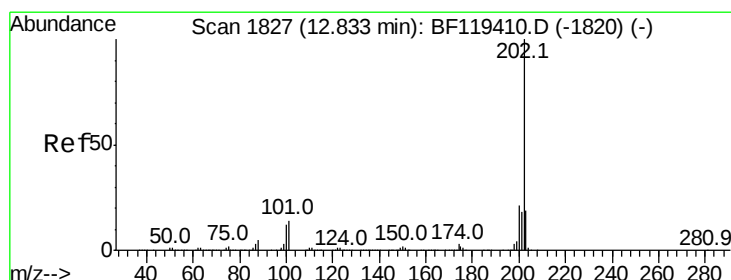
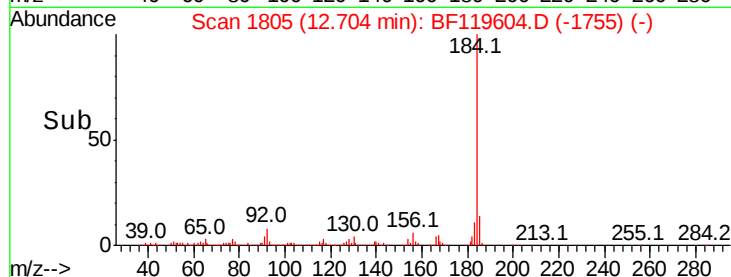
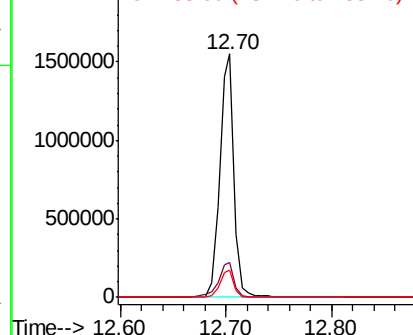


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.972 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF119604.D

Acq: 28 Mar 2020 8:41

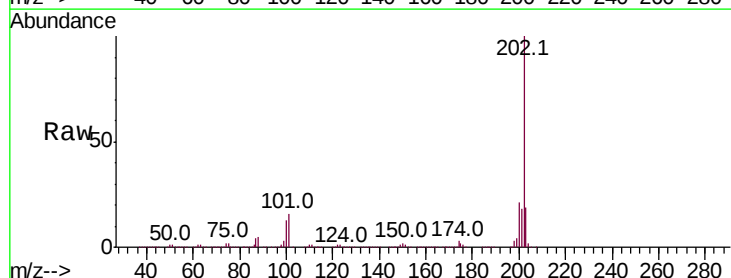
Tgt Ion:202 Resp: 3420116

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 19.1 15.1 22.7

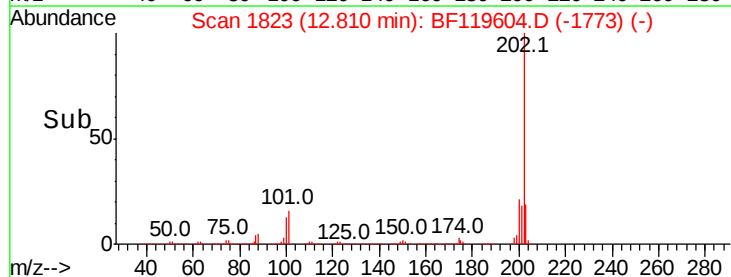
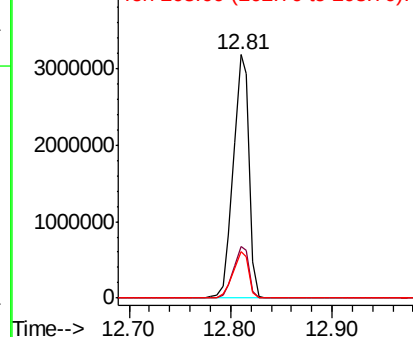


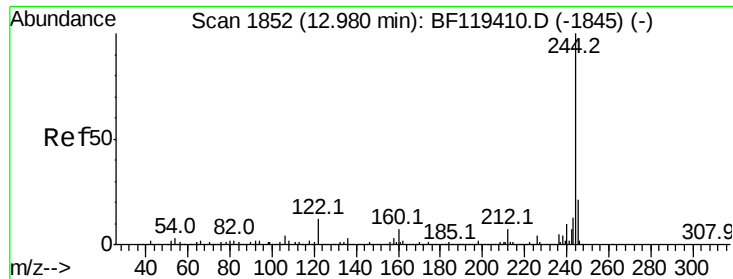
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





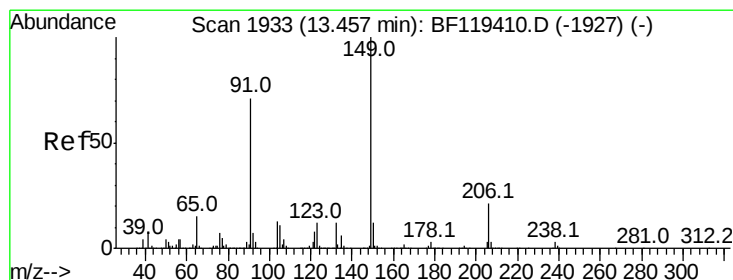
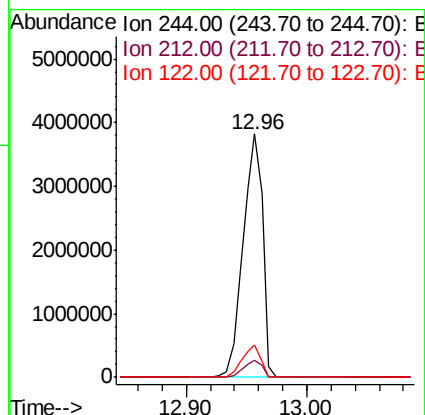
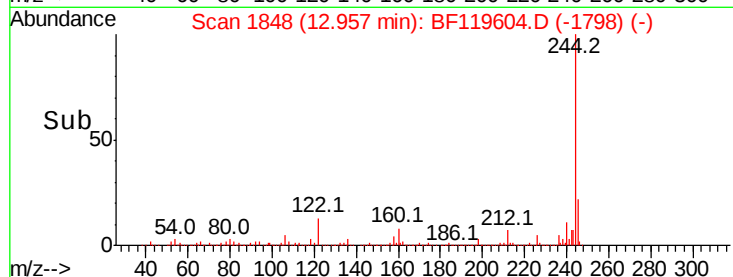
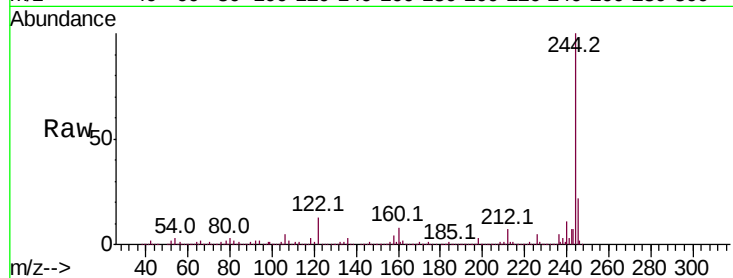
#79
 Terphenyl-d14
 Concen: 107.483 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampled :
 TP-13-SAMS

Tot Ion:244 Resp: 4315905
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.3 10.3 15.5

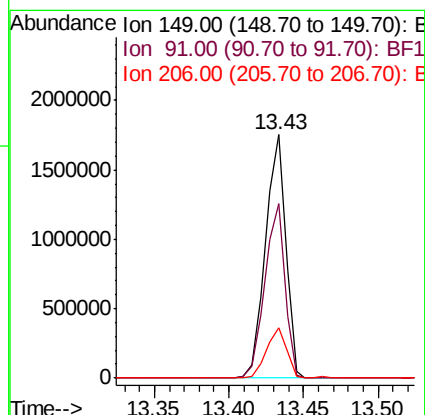
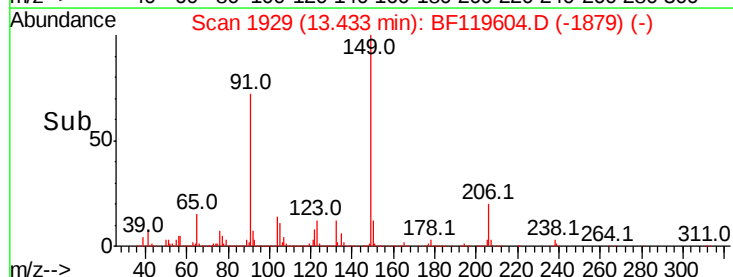
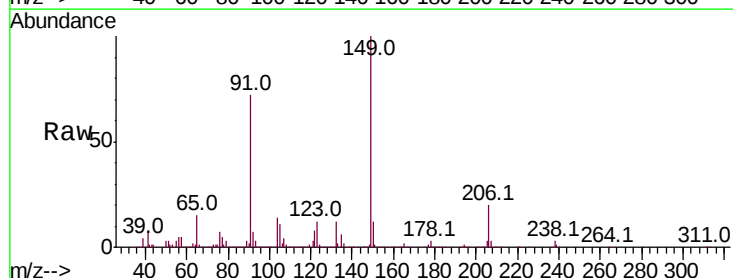
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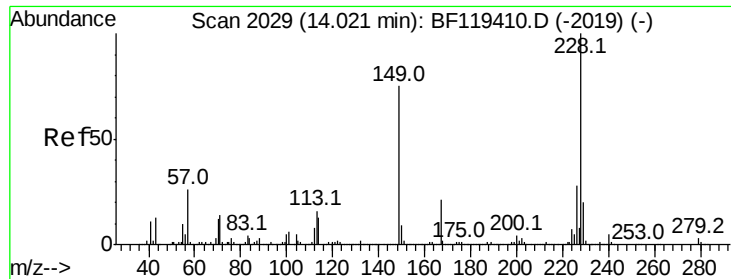
mohammad
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#80
 Butylbenzylphthalate
 Concen: 62.666 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion:149 Resp: 1636432
 Ion Ratio Lower Upper
 149 100
 91 71.7 54.7 82.1
 206 20.5 16.2 24.2





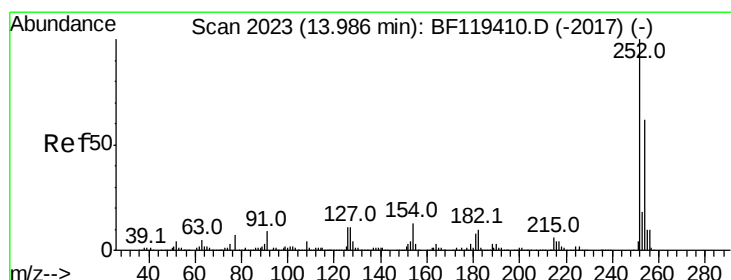
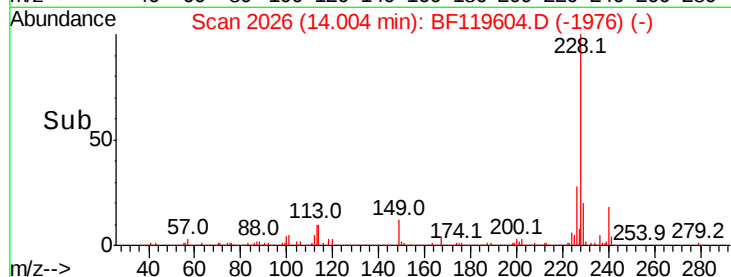
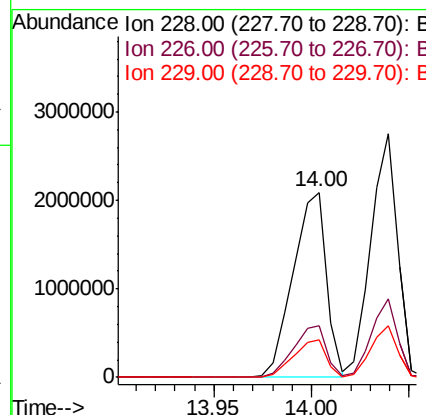
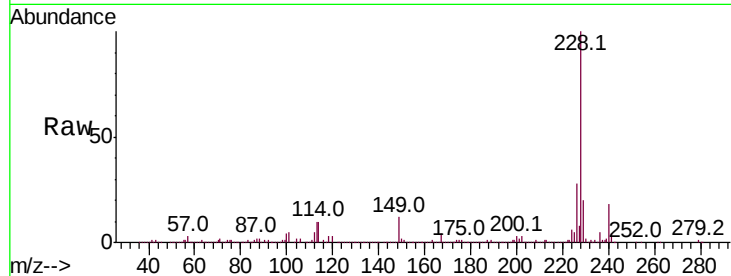
#81
Benzo(a)anthracene
Concen: 48.322 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.1	16.2	24.4

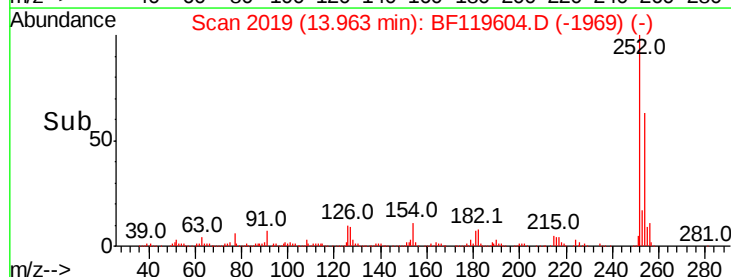
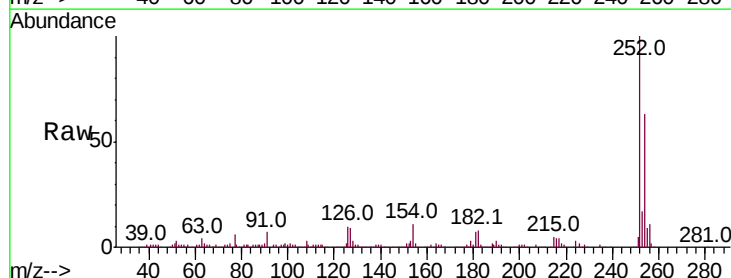
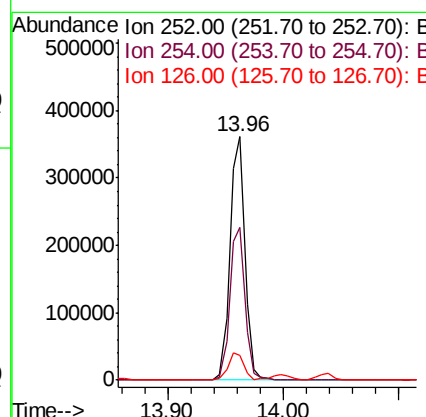
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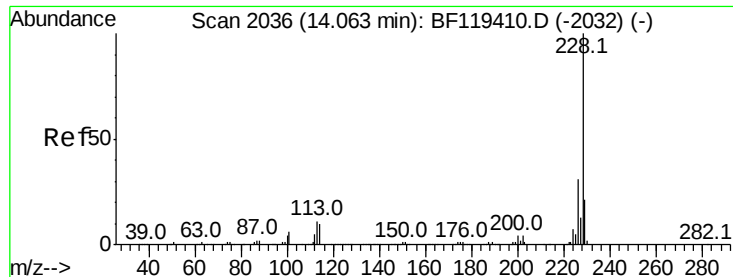
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 16.160 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.2	76.8
126	10.0	9.6	14.4





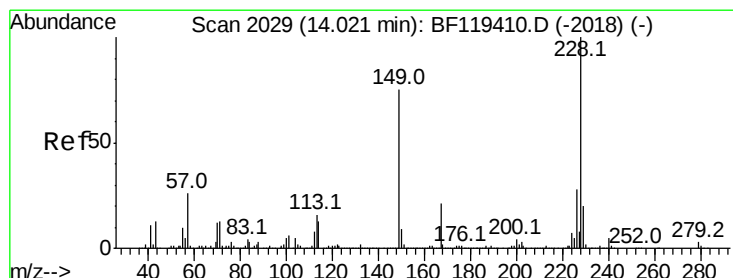
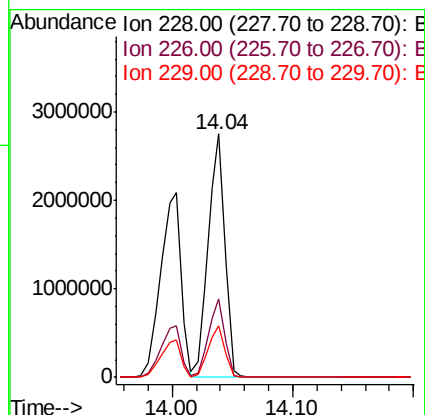
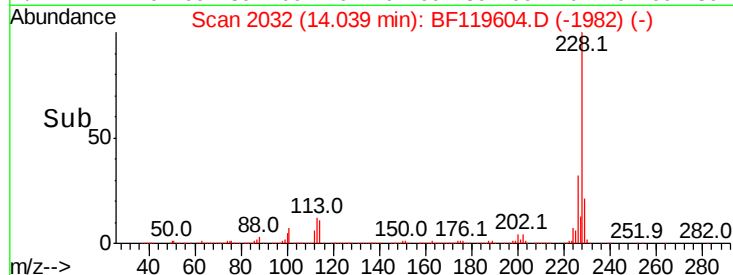
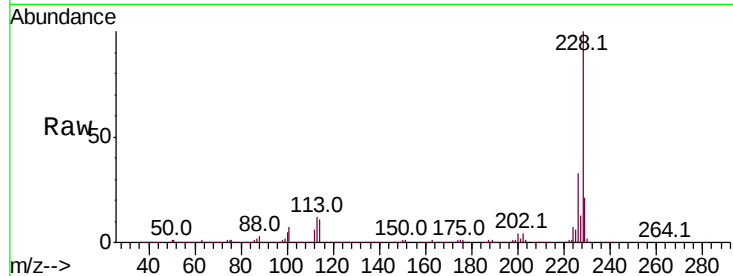
#83
 Chrvsene
 Concen: 49.745 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.4	38.0
229	21.1	16.6	24.8

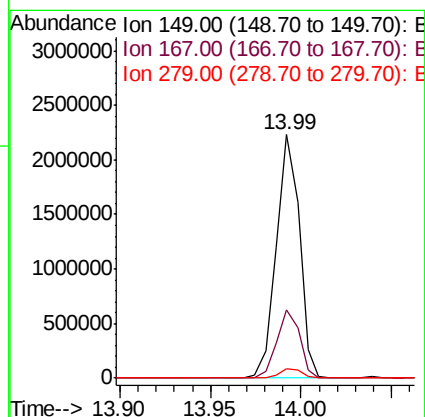
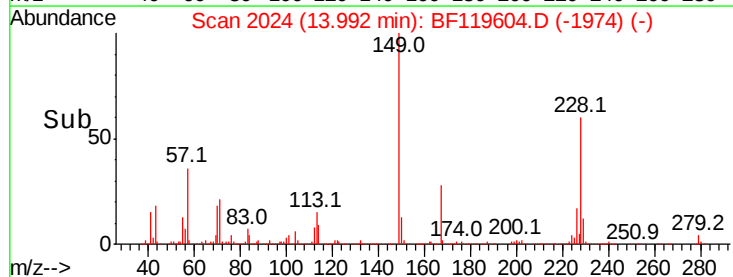
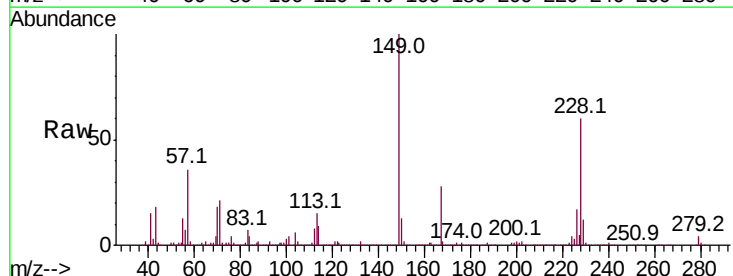
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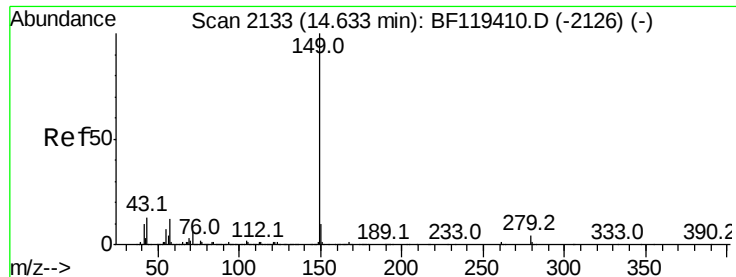
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 63.514 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF119604.D
 Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.3	31.9
279	3.7	2.7	4.1





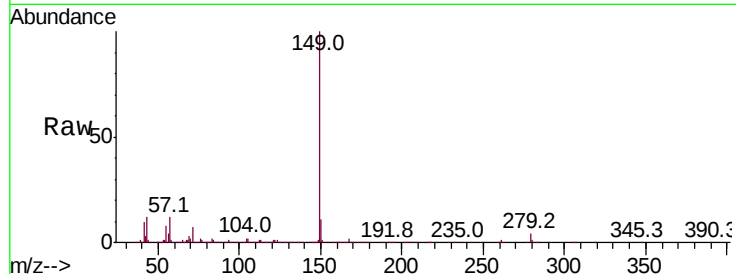
#85
Di-n-octyl phthalate
Concen: 63.416 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

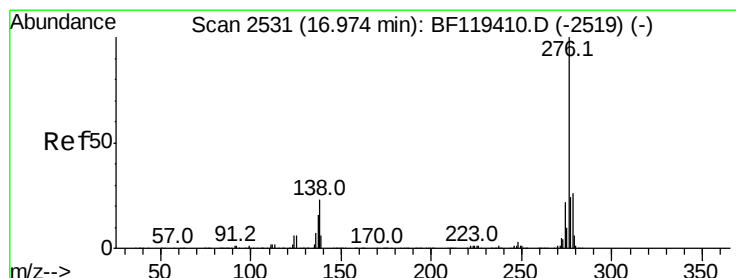
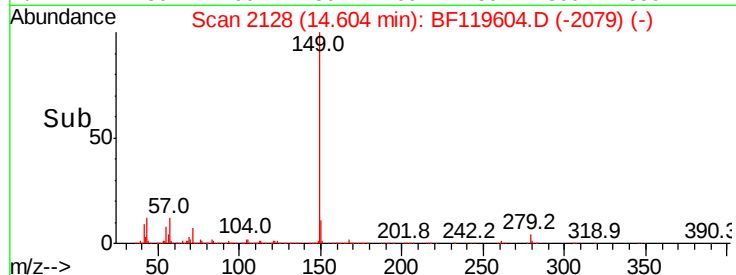
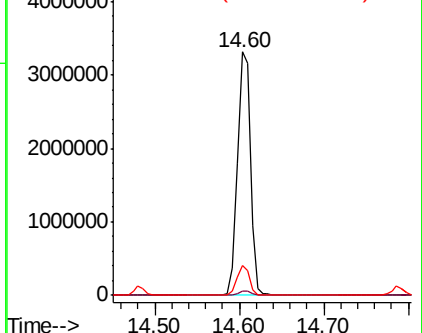
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.7	9.3	13.9

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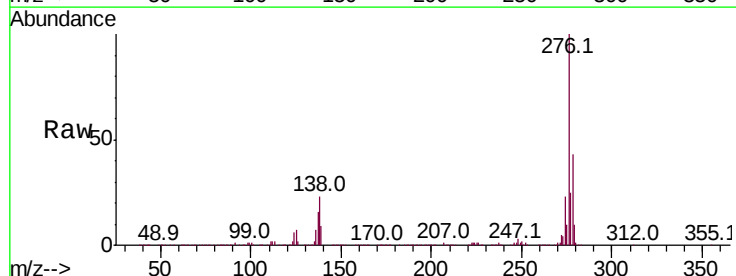


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

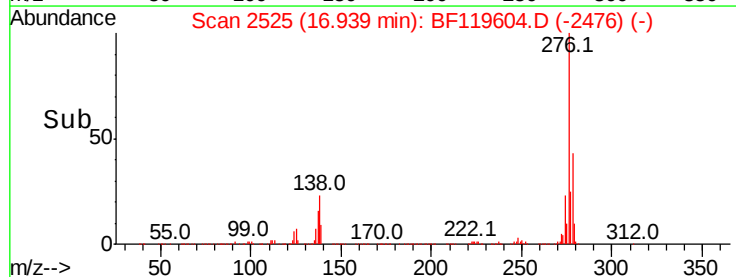
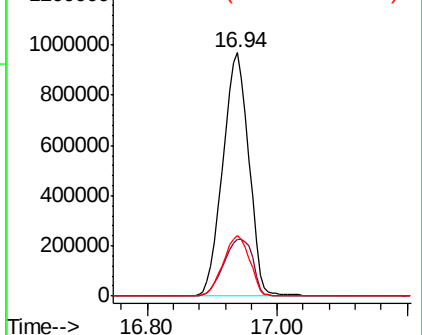


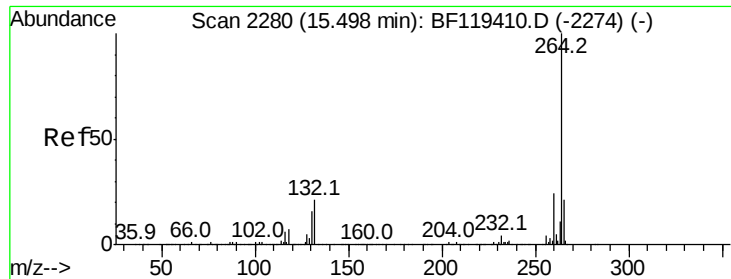
#86
Indeno(1,2,3-cd)pyrene
Concen: 54.102 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	19.6	29.4
277	25.5	20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





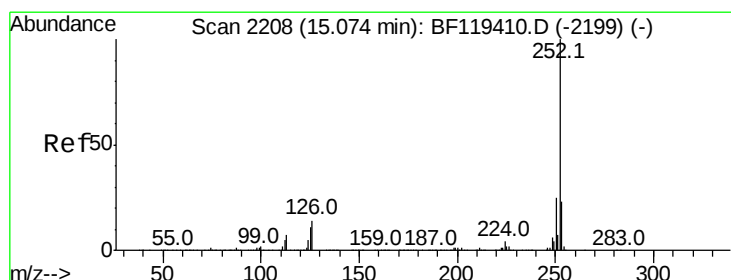
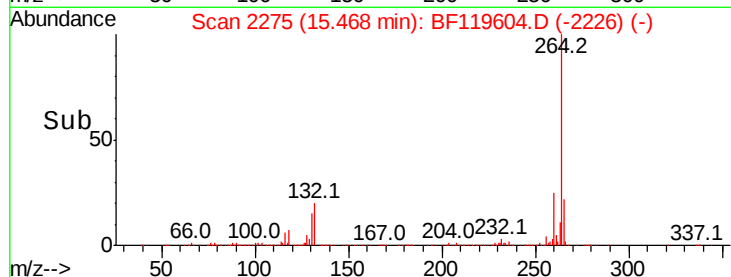
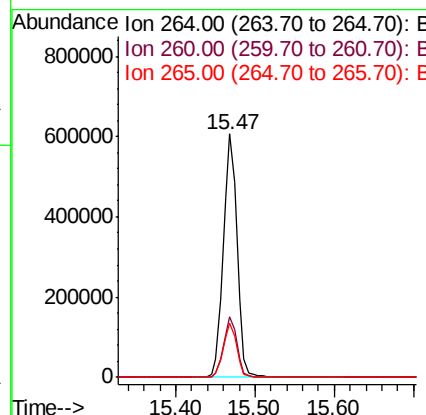
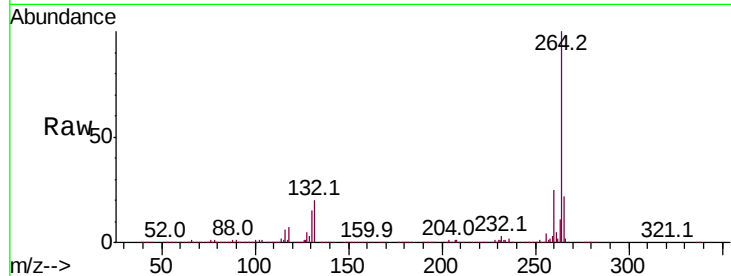
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	22.2	17.7	26.5

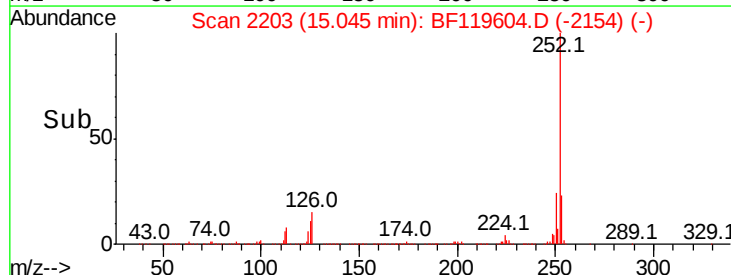
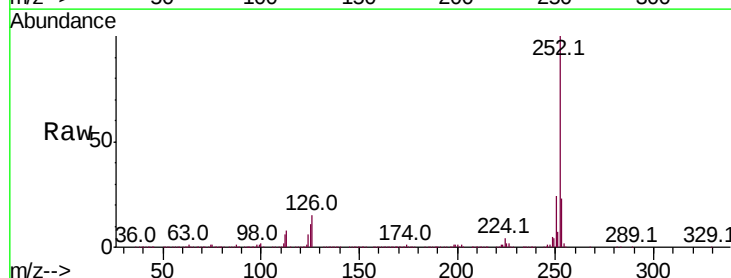
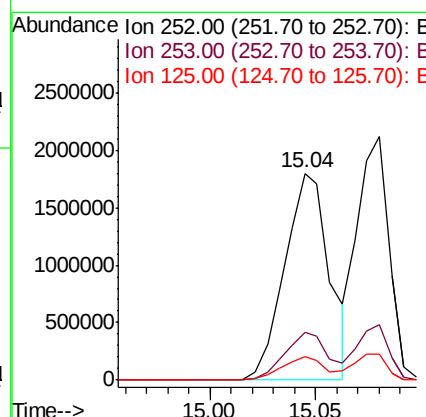
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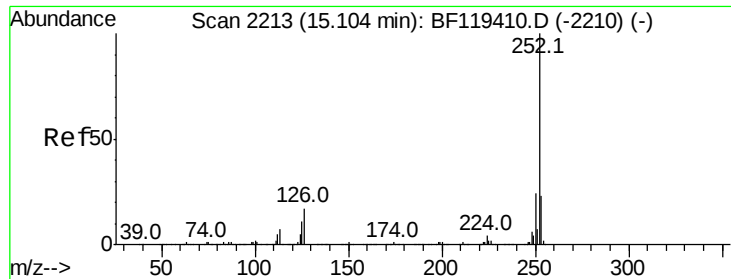
mohammad
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#88
Benzo(b)fluoranthene
Concen: 54.620 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	11.5	7.9	11.9





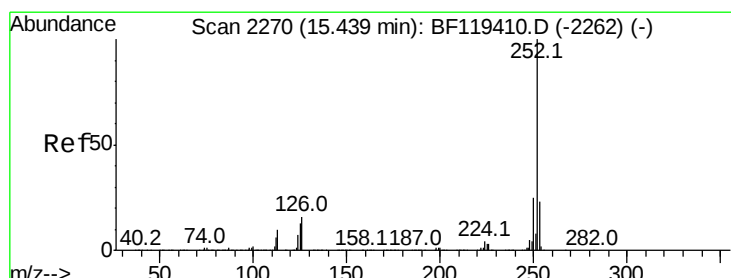
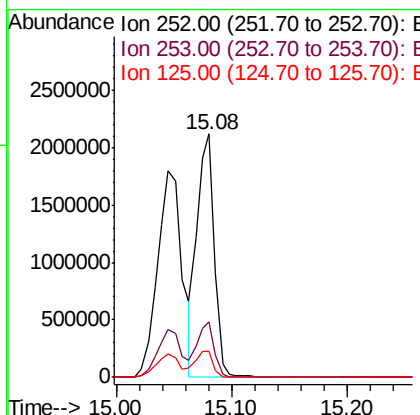
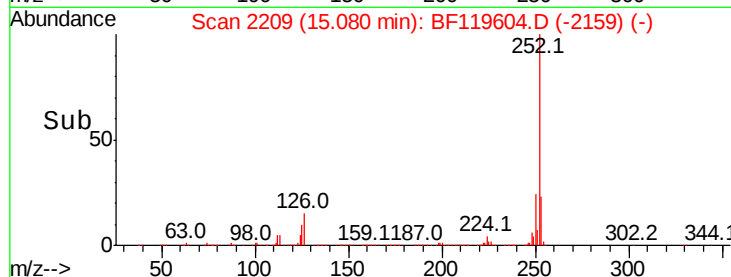
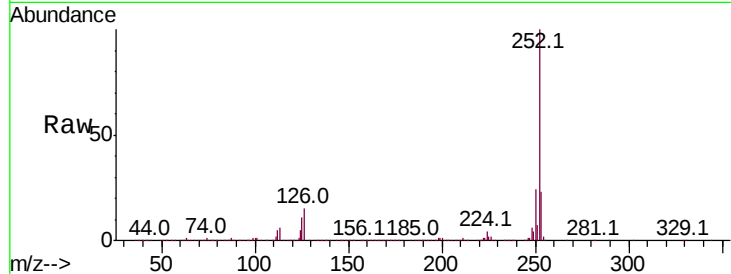
#89
Benzo(k)fluoranthene
Concen: 48.398 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion:252 Resp: 2244680
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 10.6 8.4 12.6

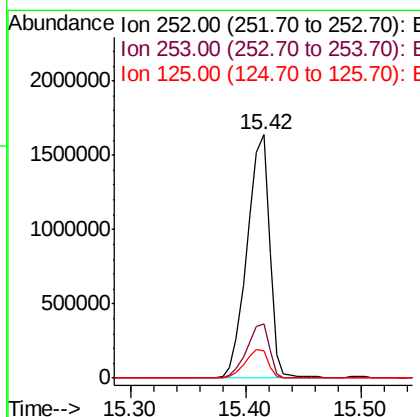
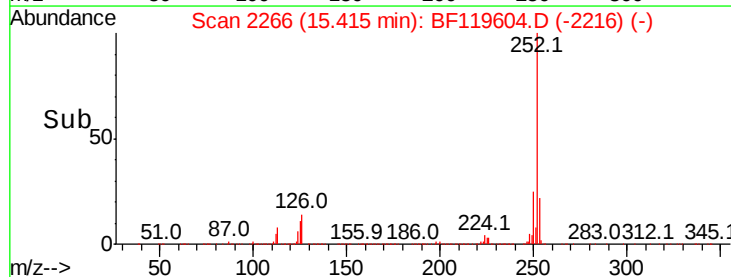
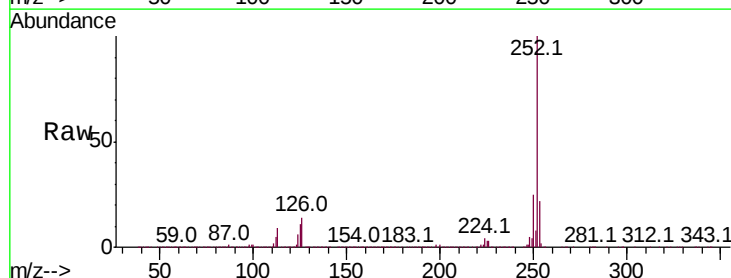
Manual Integrations
APPROVED

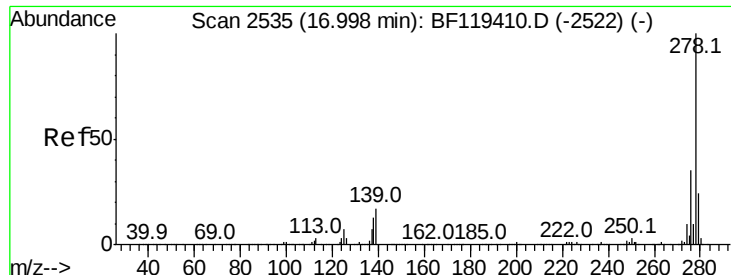
mohammad
3/31/2020 8:13:59 AM



#90
Benzo(a)pyrene
Concen: 50.510 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion:252 Resp: 2235810
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 11.4 9.4 14.2





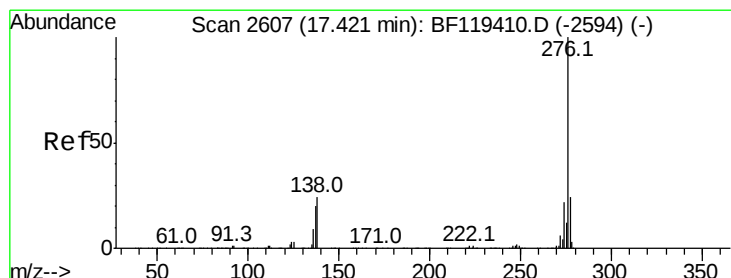
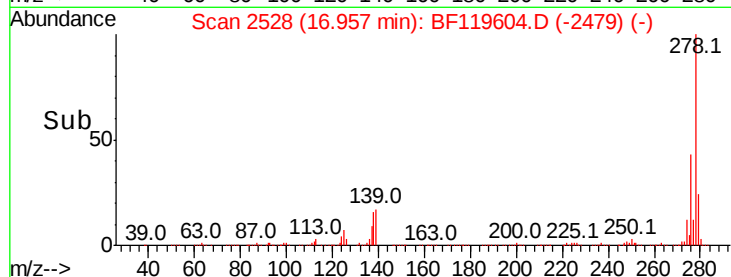
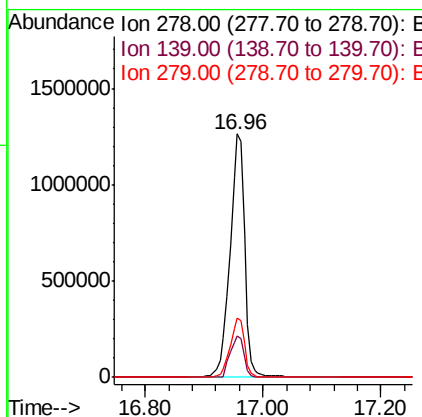
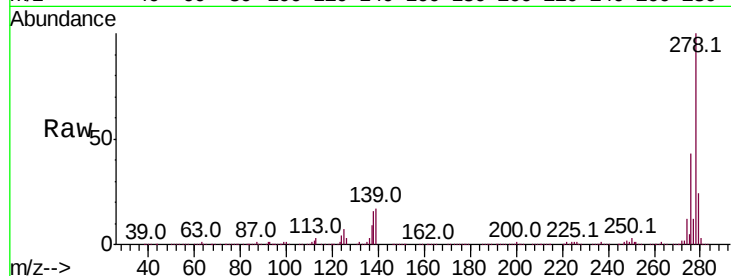
#91
Dibenzo(a,h)anthracene
Concen: 57.135 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Instrument :
BNA_F
ClientSampleId :
TP-13-SAMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.6	19.0
279	24.1	19.0	28.6

Manual Integrations
APPROVED

mohammad
3/31/2020 8:13:59 AM



#92
Benzo(g,h,i)perylene
Concen: 58.433 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BF119604.D
Acq: 28 Mar 2020 8:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	22.5	15.4	23.0

