

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
 Data File : BF116331.D
 Acq On : 16 Aug 2019 21:27
 Operator : HP/JU
 Sample : K4227-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Manual Integrations
 APPROVED

mohammad

8/20/2019 8:36:56 AM

Quant Time: Aug 17 04:44:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	161928	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	630834	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	327687	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	546366	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	359916	20.00	ng	-0.03
87) Perylene-d12	15.44	264	339350	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1130938	116.92	ng	0.00
7) Phenol-d6	6.47	99	1365623	111.90	ng	-0.02
23) Nitrobenzene-d5	7.39	82	1018424	93.19	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	414034	130.32	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	1676825	95.85	ng	-0.03
79) Terphenyl-d14	12.92	244	1754699	102.73	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.80	88	165613	33.891	ng	# 85
3) Pyridine	3.52	79	188900	13.839	ng	98
4) n-Nitrosodimethylamine	3.43	42	205403	38.130	ng	95
6) Aniline	6.50	93	156582	8.959	ng	# 78
8) 2-Chlorophenol	6.62	128	468141	43.767	ng	100
10) Phenol	6.48	94	509129	35.427	ng	82
11) bis(2-Chloroethyl)ether	6.56	93	466764	44.176	ng	96
12) 1,3-Dichlorobenzene	6.76	146	501429	40.564	ng	98
13) 1,4-Dichlorobenzene	6.84	146	515819	41.675	ng	97
14) 1,2-Dichlorobenzene	6.99	146	465674	40.860	ng	99
15) Benzyl Alcohol	6.97	79	362069	39.094	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	596358	41.379	ng	69
17) 2-Methylphenol	7.09	107	387710	42.808	ng	# 91
18) Hexachloroethane	7.32	117	188860	41.444	ng	97
19) n-Nitroso-di-n-propylamine	7.24	70	328603	43.452	ng	99
20) 3+4-Methylphenols	7.24	107	488173	45.548	ng	98
22) Acetophenone	7.23	105	651573	47.096	ng	96
24) Nitrobenzene	7.40	77	531981	45.082	ng	99
25) Isophorone	7.65	82	979143	46.855	ng	100
26) 2-Nitrophenol	7.72	139	266932	47.988	ng	95
27) 2,4-Dimethylphenol	7.76	122	427648	51.101	ng	97
28) bis(2-Chloroethoxy)methane	7.85	93	604333	46.658	ng	99
29) 2,4-Dichlorophenol	7.97	162	428440	48.487	ng	98
30) 1,2,4-Trichlorobenzene	8.04	180	444540	44.134	ng	100
31) Naphthalene	8.12	128	1387608	46.743	ng	100
32) Benzoic acid	7.93	122	279995	47.455	ng	98
33) 4-Chloroaniline	8.19	127	59534	4.488	ng	98
34) Hexachlorobutadiene	8.23	225	254316	43.835	ng	99
35) Caprolactam	8.56	113	97276m	34.038	ng	
36) 4-Chloro-3-methylphenol	8.67	107	436262	47.459	ng	99
37) 2-Methylnaphthalene	8.81	142	913044	46.702	ng	99
38) 1-Methylnaphthalene	8.91	142	858537	46.418	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	422110	48.184	ng	100
41) Hexachlorocyclopentadiene	8.96	237	249265	64.611	ng	100

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Manual Integrations
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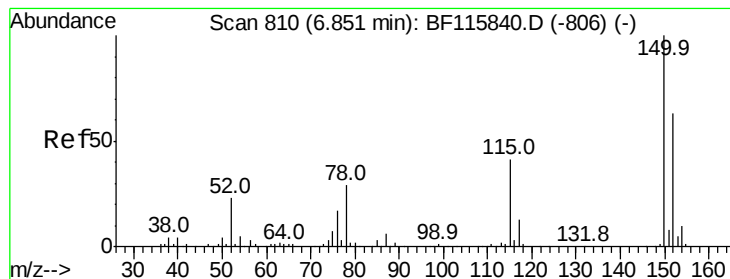
mohammad

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 QLast Update : Wed Aug 07 11:13:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.10	196	270591	44.875	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	281201	45.114	nq	96
46) 1,1'-Biphenyl	9.27	154	1117834	48.319	nq	98
47) 2-Chloronaphthalene	9.30	162	889651	46.204	nq	100
48) 2-Nitroaniline	9.40	65	273449	42.965	nq	93
49) Acenaphthylene	9.72	152	1277506	45.477	nq	99
50) Dimethylphthalate	9.57	163	1042789	46.737	nq	100
51) 2,6-Dinitrotoluene	9.65	165	228131	47.050	nq	91
52) Acenaphthene	9.89	154	798194	46.317	nq	100
53) 3-Nitroaniline	9.82	138	52520	8.766	nq	100
54) 2,4-Dinitrophenol	9.94	184	217919	87.547	nq	98
55) Dibenzofuran	10.06	168	1092338	43.586	nq	100
56) 4-Nitrophenol	10.00	139	255858	66.665	nq	97
57) 2,4-Dinitrotoluene	10.06	165	271070	41.989	nq	# 90
58) Fluorene	10.40	166	907354	47.057	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	257793	49.160	nq	97
60) Diethylphthalate	10.27	149	966205	46.383	nq	100
61) 4-Chlorophenyl-phenylether	10.39	204	453634	46.453	nq	96
62) 4-Nitroaniline	10.44	138	197009	31.819	nq	99
63) Azobenzene	10.55	77	1005825	46.944	nq	98
65) 4,6-Dinitro-2-methylphenol	10.47	198	146762	50.688	nq	99
66) n-Nitrosodiphenylamine	10.51	169	783254	47.629	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	280998	48.043	nq	95
68) Hexachlorobenzene	10.96	284	312638	46.226	nq	98
69) Atrazine	11.04	200	200669	37.091	nq	98
70) Pentachlorophenol	11.16	266	268026	81.627	nq	98
71) Phenanthrene	11.36	178	1300917	46.575	nq	99
72) Anthracene	11.42	178	1358861	48.071	nq	100
73) Carbazole	11.57	167	1182367	46.104	nq	99
74) Di-n-butylphthalate	11.89	149	1471246	49.177	nq	99
75) Fluoranthene	12.56	202	1354963	46.337	nq	100
78) Pyrene	12.78	202	1370934	50.530	nq	98
80) Butylbenzylphthalate	13.39	149	603620	52.596	nq	98
81) Benzo(a)anthracene	13.97	228	1109618	48.235	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	93451	11.693	nq	100
83) Chrysene	14.01	228	1068945	47.862	nq	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	821933	55.113	nq	99
85) Di-n-octyl phthalate	14.55	149	1287344	54.345	nq	99
86) Indeno(1,2,3-cd)pyrene	16.91	276	970539	51.740	nq	100
88) Benzo(b)fluoranthene	15.02	252	1017842	51.873	nq	98
89) Benzo(k)fluoranthene	15.04	252	872742	45.665	nq	99
90) Benzo(a)pyrene	15.38	252	889124	50.691	nq	99
91) Dibenzo(a,h)anthracene	16.90	278	819404	53.969	nq	99
92) Benzo(g,h,i)perylene	17.34	276	814796	54.644	nq	97

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

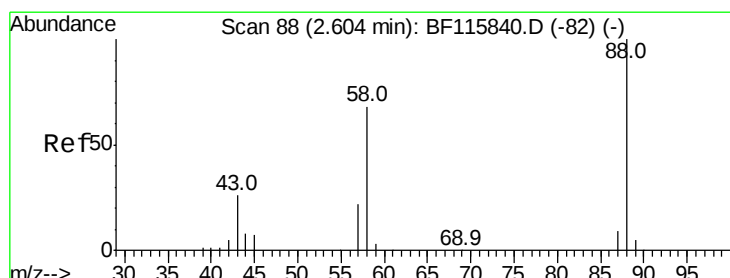
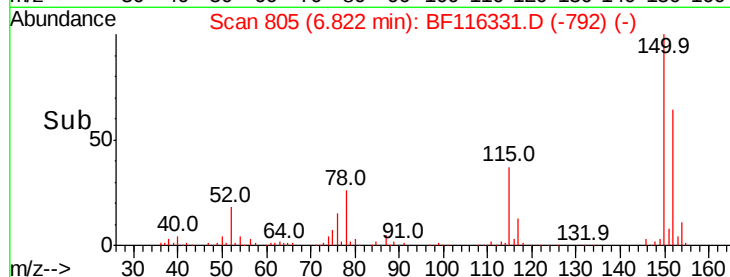
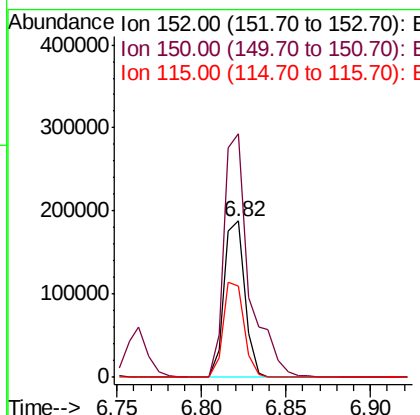
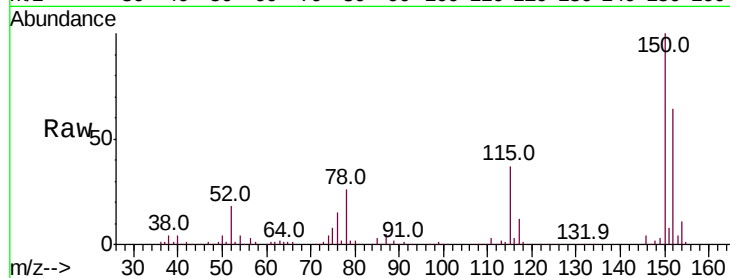
Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	58.4	49.9	74.9

Manual Integrations
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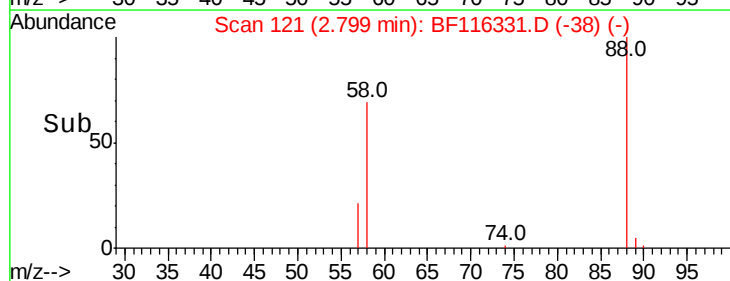
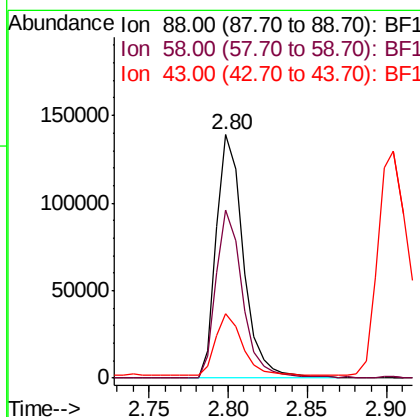
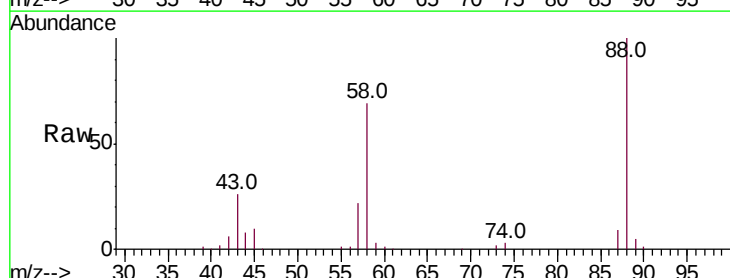
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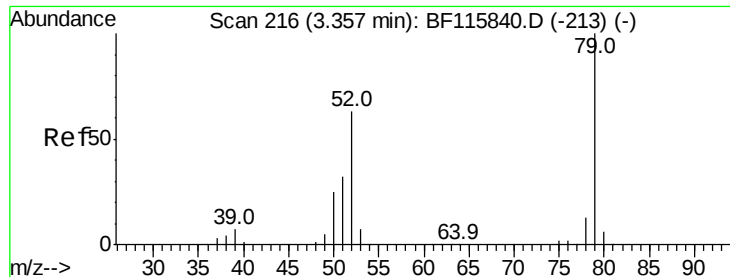
8/20/2019 8:36:56 AM



#2
 1,4-Dioxane
 Concen: 33.891 ng
 RT: 2.80 min Scan# 121
 Delta R.T. 0.19 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.0	53.7	80.5
43	0.0	21.0	31.4#





#3
 Pvridine
 Concen: 13.839 ng
 RT: 3.52 min Scan# 244
 Delta R.T. 0.16 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

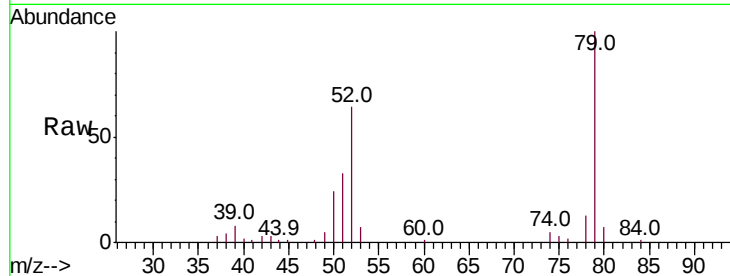
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	63.6	49.8	74.8
51	32.9	25.2	37.8

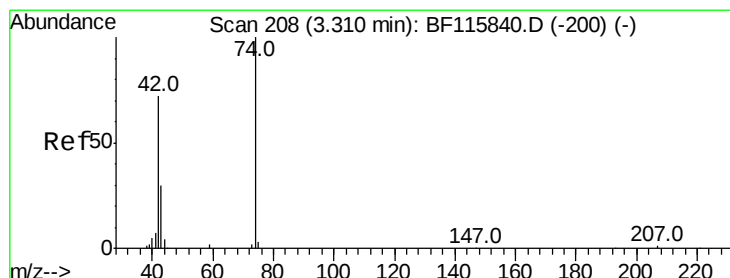
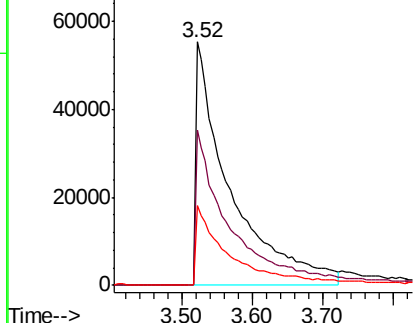
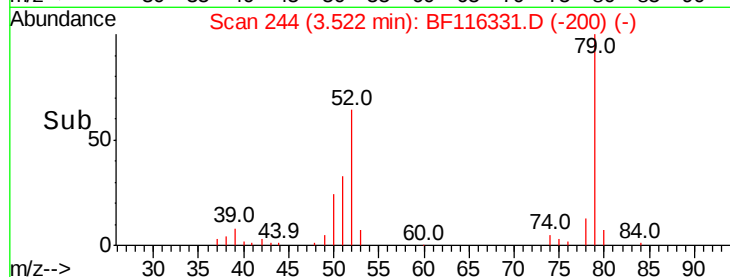
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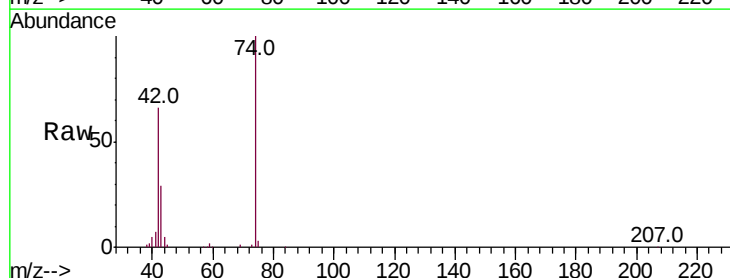


Abundance Ion 79.00 (78.70 to 79.70): BF1
 Ion 52.00 (51.70 to 52.70): BF1
 Ion 51.00 (50.70 to 51.70): BF1

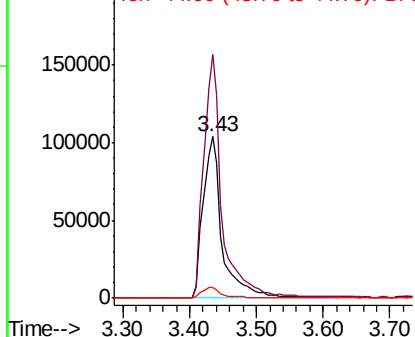
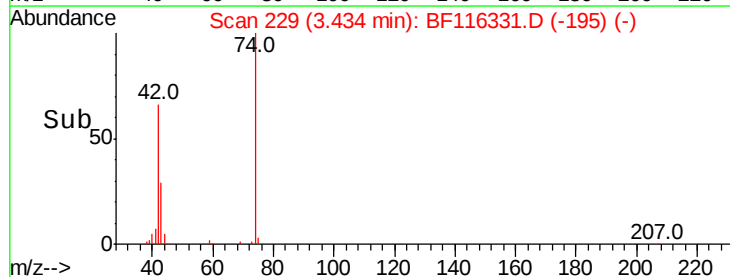


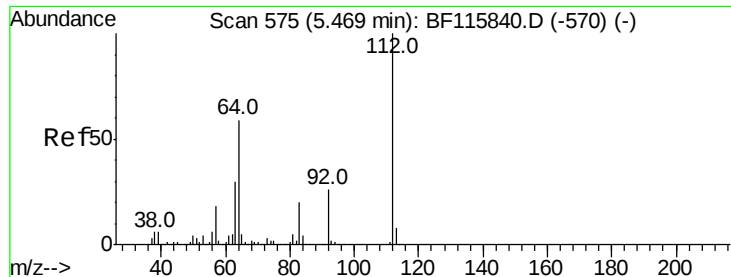
#4
 n-Nitrosodimethylamine
 Concen: 38.130 ng
 RT: 3.43 min Scan# 229
 Delta R.T. 0.10 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
42	100		
74	150.7	116.0	174.0
44	6.8	4.6	7.0



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: 116.920 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMPMSD

Tot Ion:112 Resp: 1130938

Ion Ratio Lower Upper

112 100

64 58.2 45.4 68.2

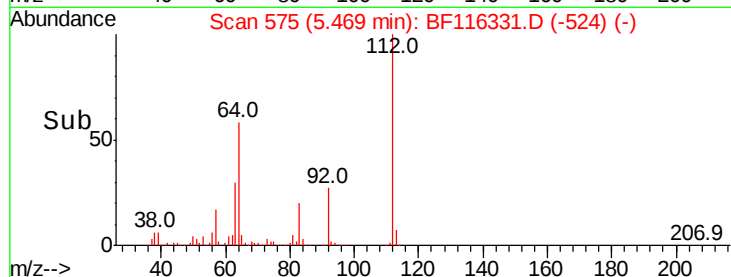
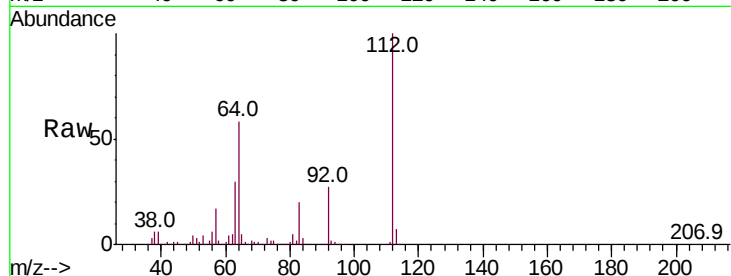
63 30.4 23.7 35.5

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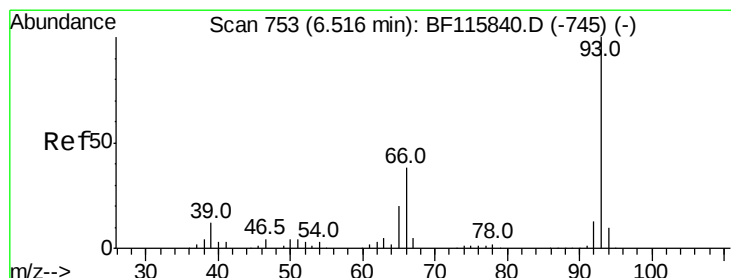
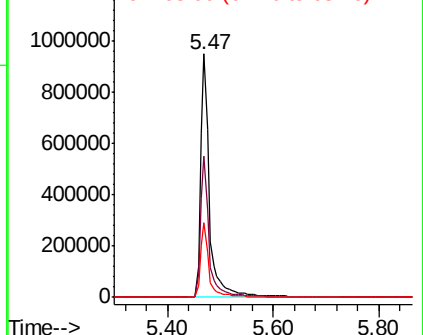
8/20/2019 8:36:56 AM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.959 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

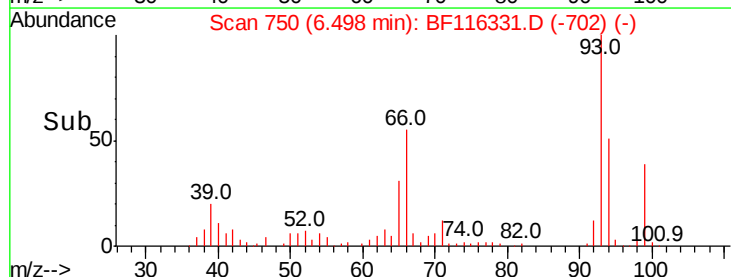
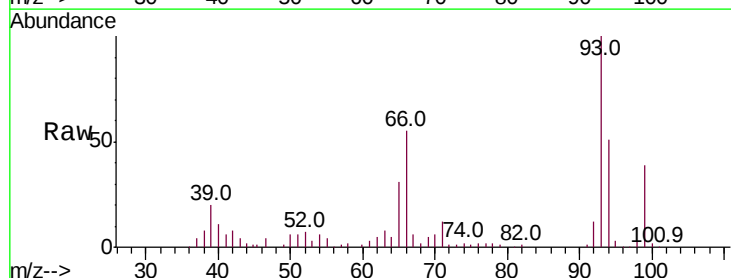
Tgt Ion: 93 Resp: 156582

Ion Ratio Lower Upper

93 100

66 54.8 32.2 48.4#

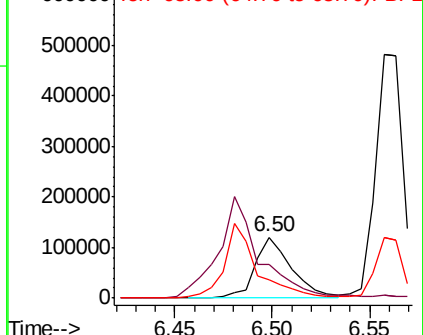
65 30.6 17.0 25.6#

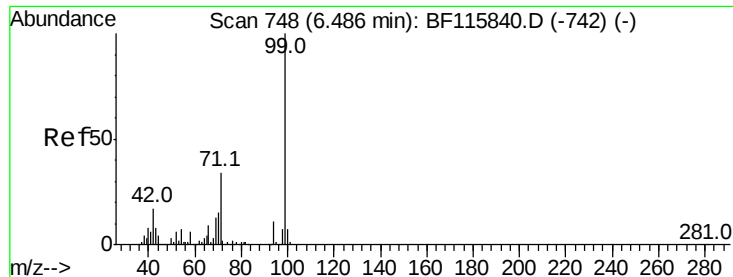


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 111.901 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

1S-I(0-1)-COMPMSD

Tot Ion: 99 Resp: 1365623

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

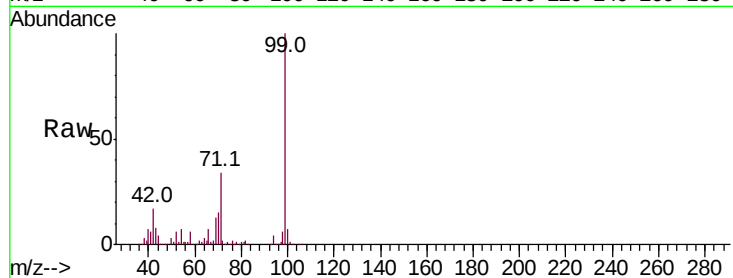
71 34.5 27.3 40.9

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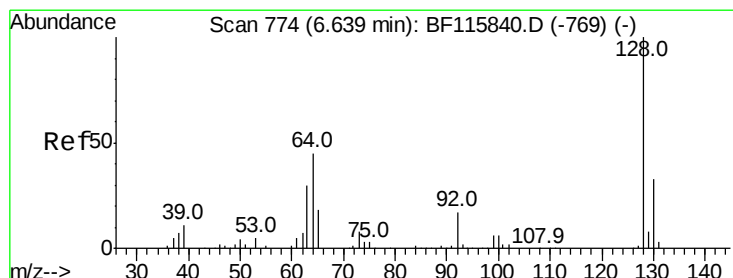
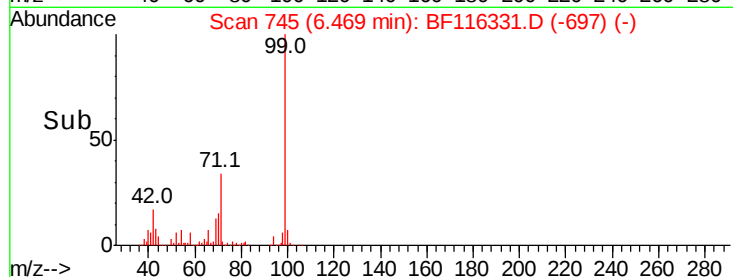
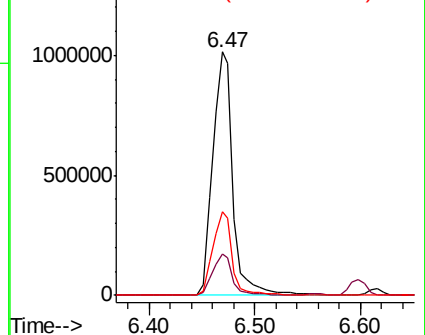
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.767 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

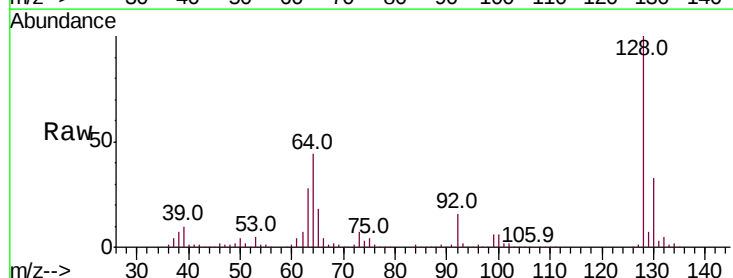
Tgt Ion: 128 Resp: 468141

Ion Ratio Lower Upper

128 100

130 32.7 12.9 52.9

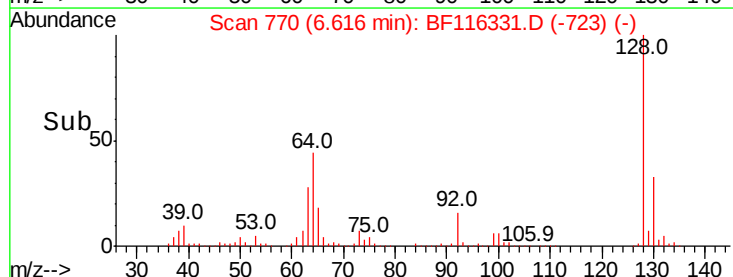
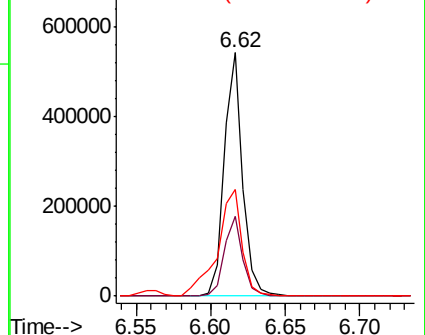
64 43.9 24.3 64.3

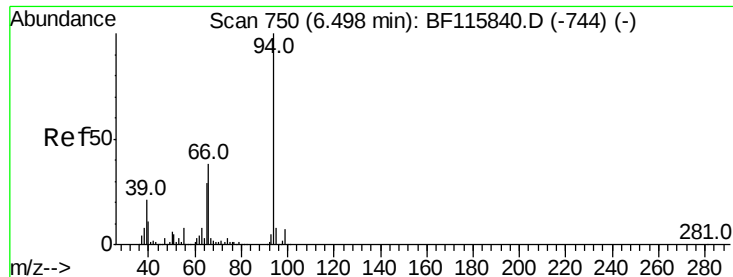


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#10

Phenol

Concen: 35.427 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

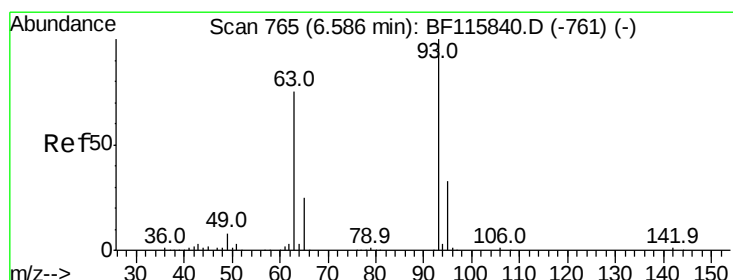
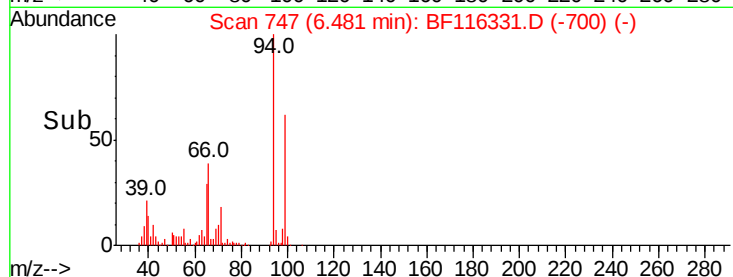
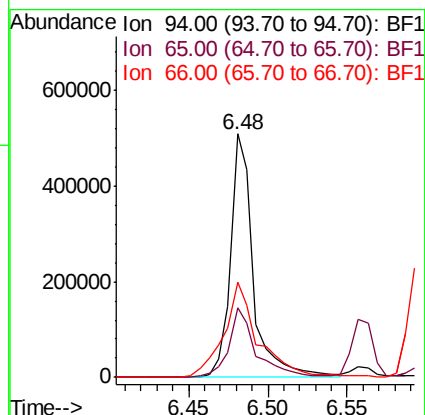
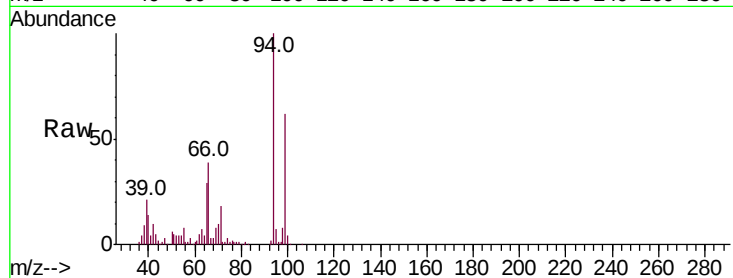
1S-I-(0-1)-COMPMSD

Tot Ion:	94	Resp:	509129
Ion	Ratio	Lower	Upper
94	100		
65	28.8	16.8	56.8
66	39.3	34.2	74.2

Manual Integrations
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#11

bis(2-Chloroethyl)ether

Concen: 44.176 ng

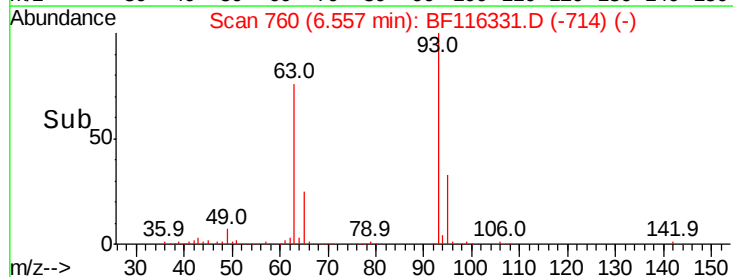
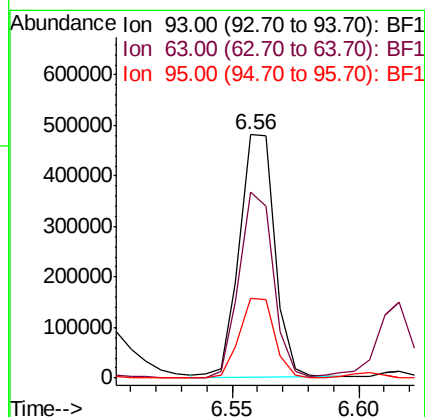
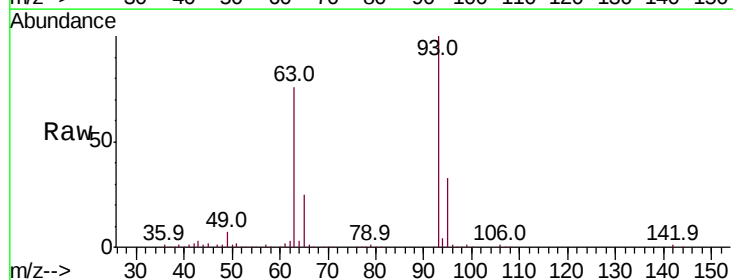
RT: 6.56 min Scan# 760

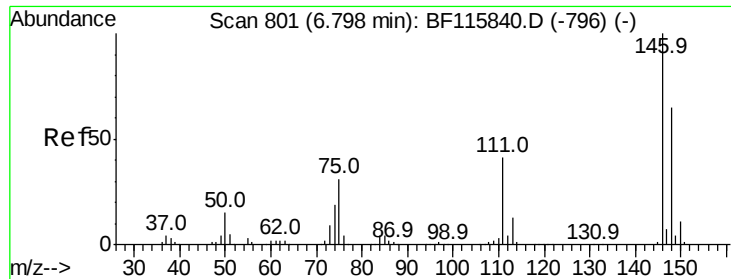
Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	93	Resp:	466764
Ion	Ratio	Lower	Upper
93	100		
63	76.5	51.9	91.9
95	33.0	13.0	53.0





#12
 1,3-Dichlorobenzene
 Concen: 40.564 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

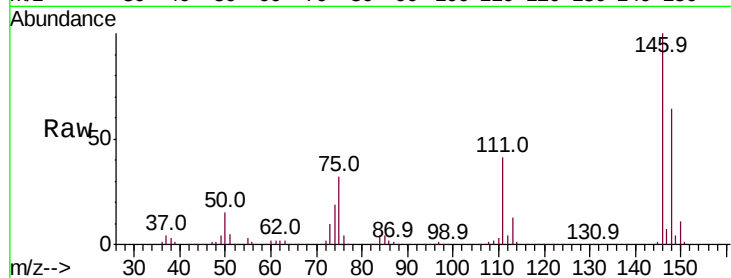
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
75	31.9	27.4	41.2

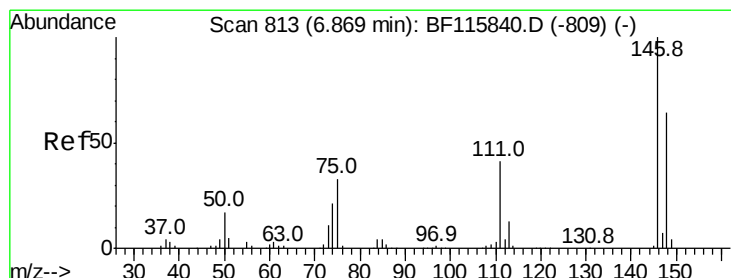
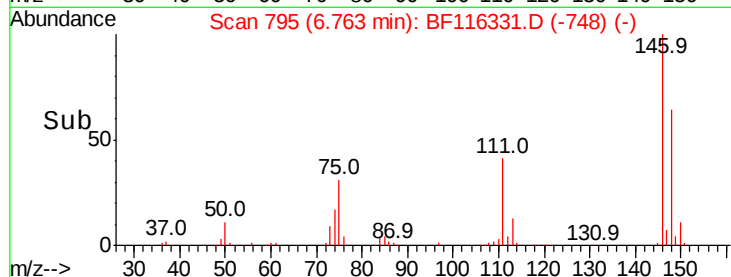
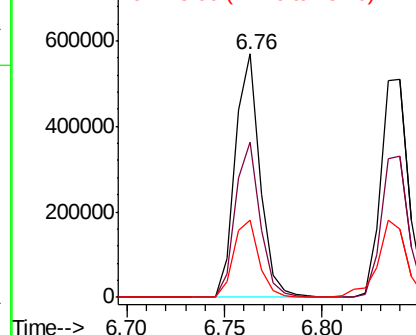
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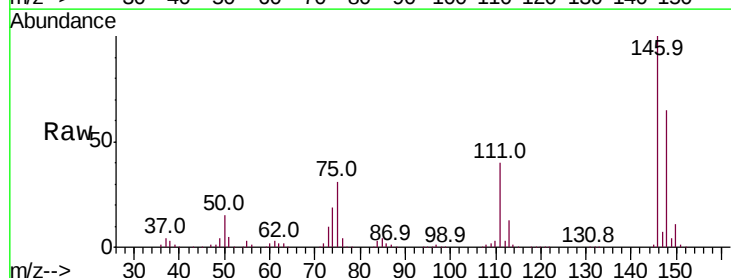


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF1

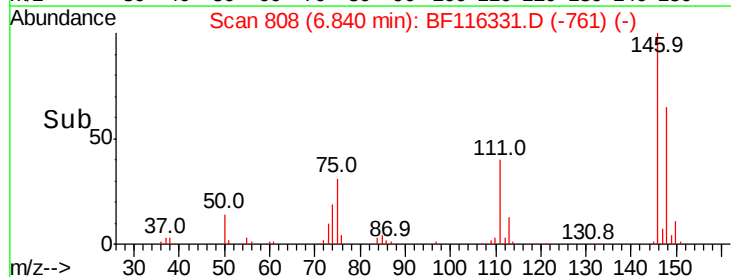
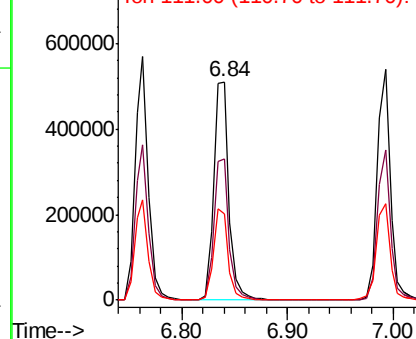


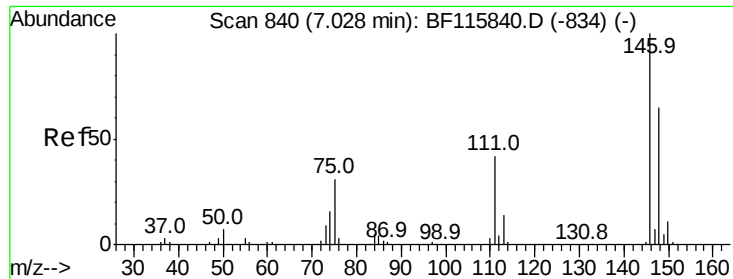
#13
 1,4-Dichlorobenzene
 Concen: 41.675 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.3	76.9
111	39.6	34.0	51.0



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: 40.860 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

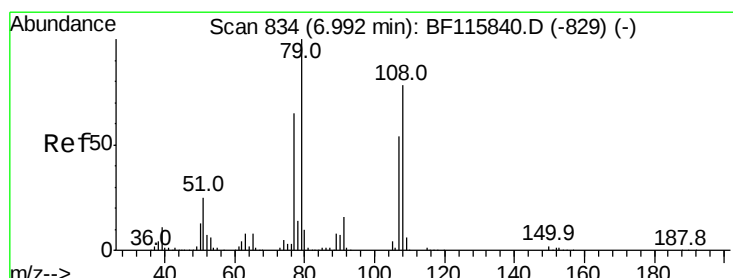
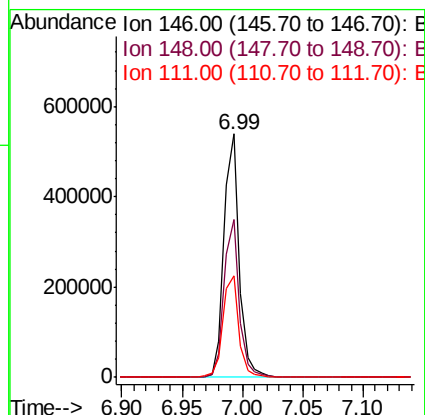
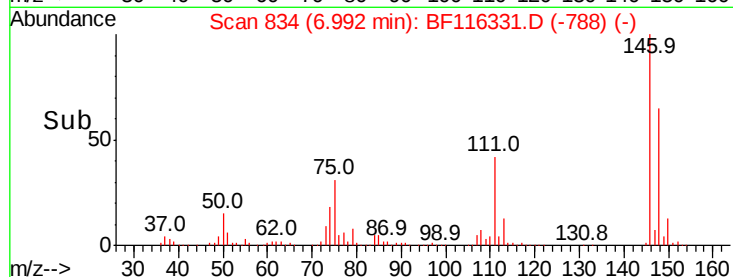
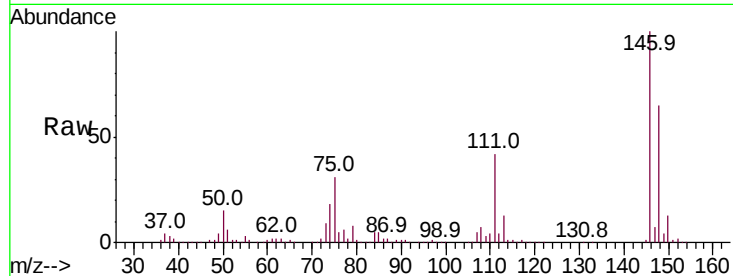
1S-I-(0-1)-COMPMSD

Tot Ion:	146	Resp:	465674
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.2	76.8
111	41.9	33.5	50.3

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#15

Benzyl Alcohol

Concen: 39.094 ng

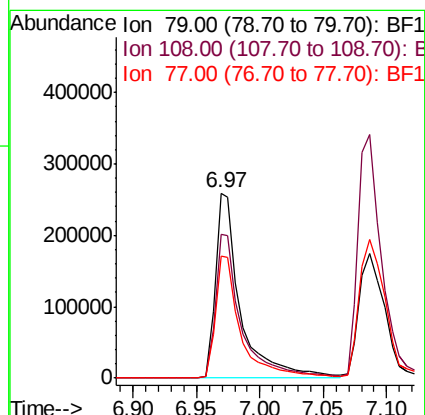
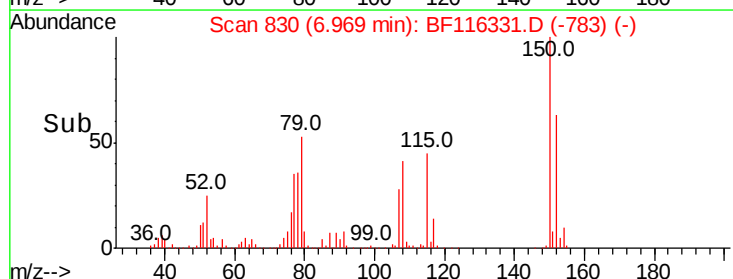
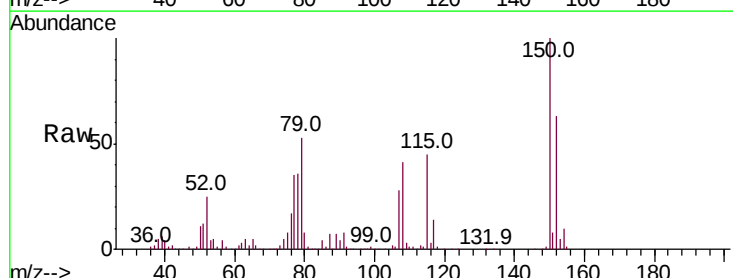
RT: 6.97 min Scan# 830

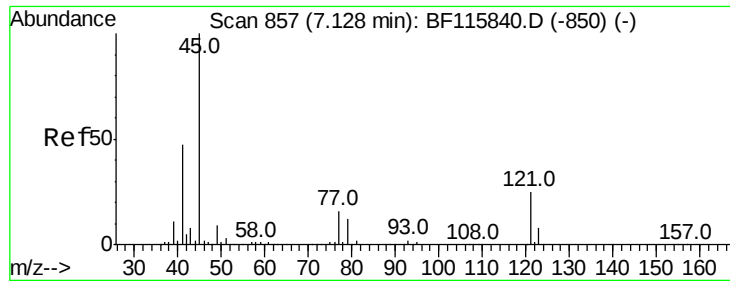
Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	79	Resp:	362069
Ion Ratio	Lower	Upper	
79	100		
108	77.5	62.7	94.1
77	65.7	52.2	78.2





#16
2,2'-oxvbis(1-Chloropropane)
Concen: 41.379 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

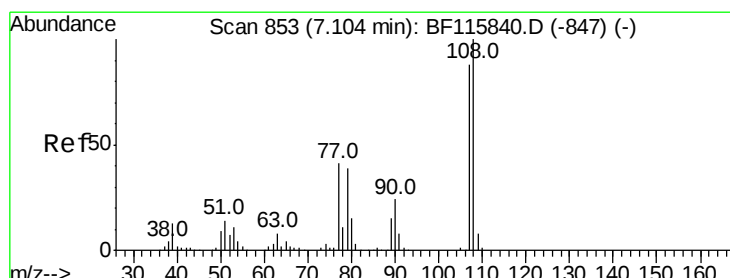
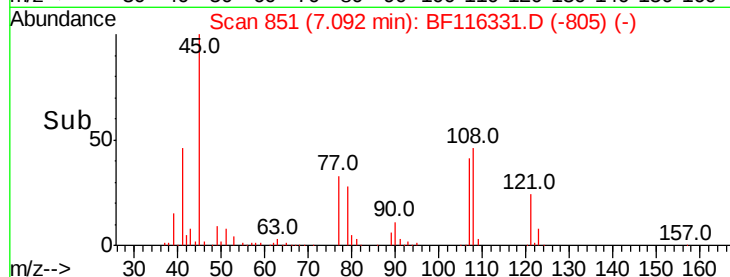
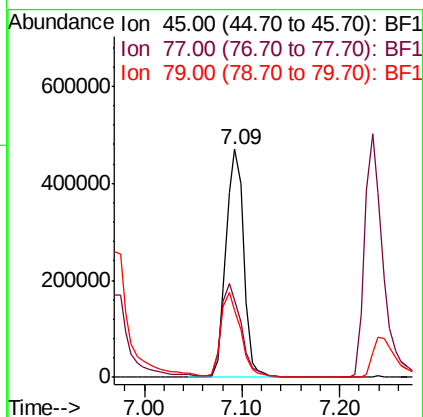
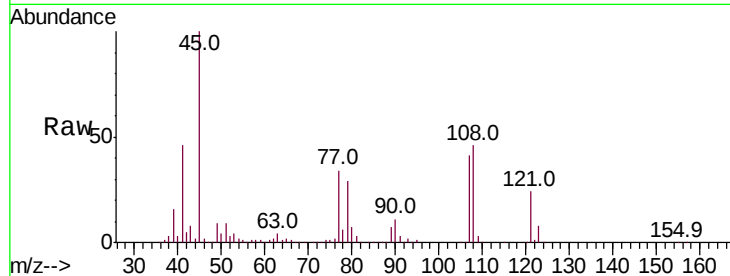
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp Lower	Upper
45	100		
77	34.0	0.0	40.0
79	29.2	0.0	35.9

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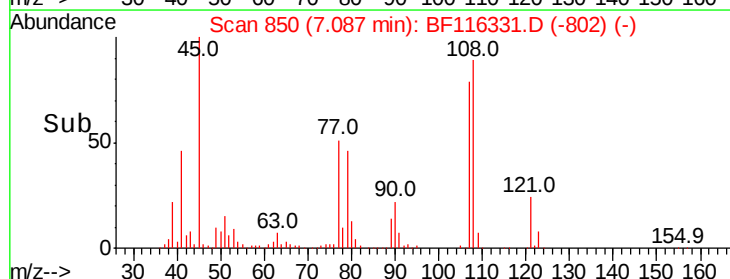
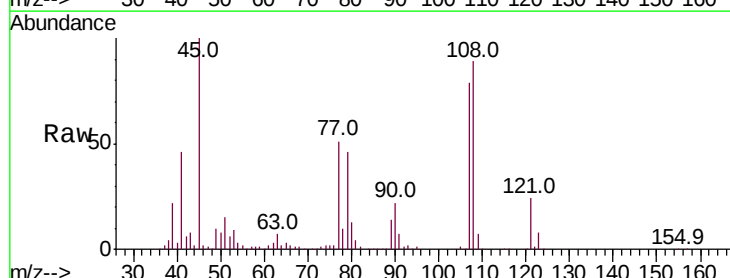
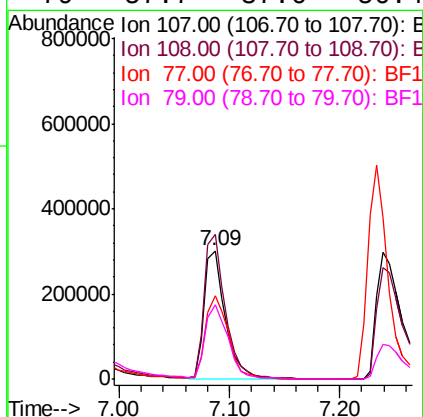
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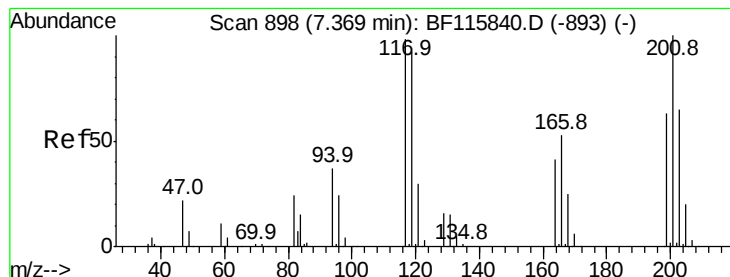
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#17
2-Methylphenol
Concen: 42.808 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	113.0	91.2	136.8
77	64.4	40.3	60.5#
79	57.7	37.6	56.4#





#18

Hexachloroethane

Concen: 41.444 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.04 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMPMSD

Tot Ion: 117 Resp: 188860

Ion Ratio Lower Upper

117 100

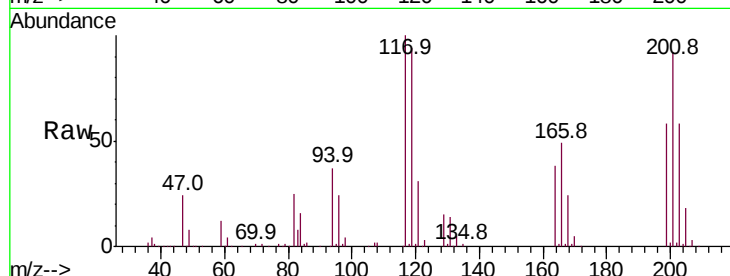
119 94.0 76.1 114.1

201 91.7 77.0 115.4

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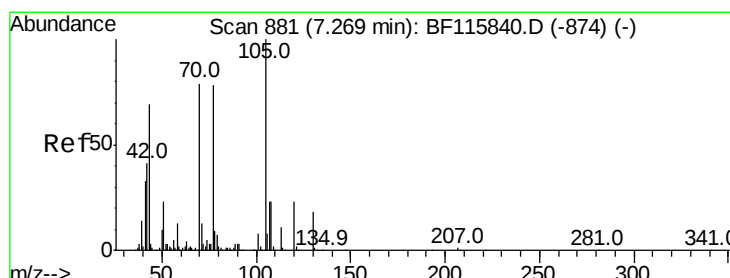
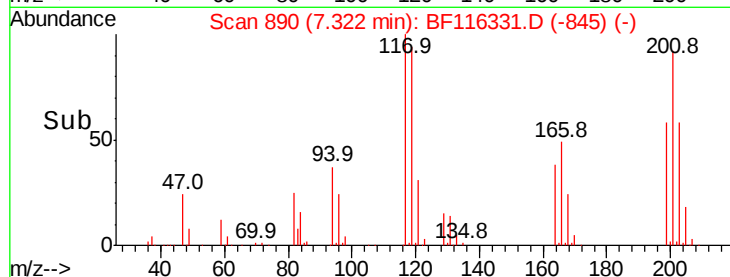
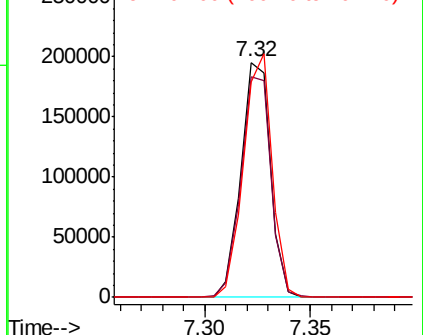


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 43.452 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion: 70 Resp: 328603

Ion Ratio Lower Upper

70 100

42 51.7 40.9 61.3

101 9.9 7.9 11.9

130 21.7 16.9 25.3

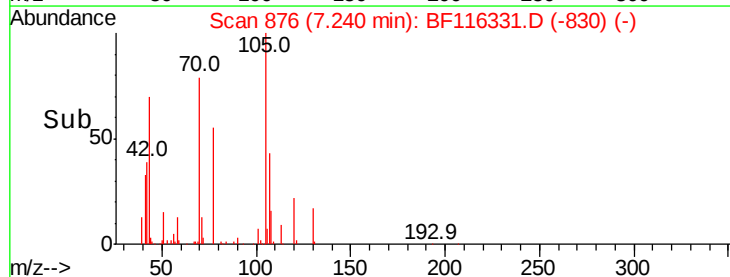
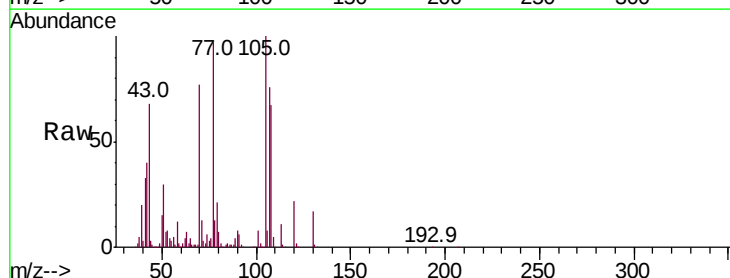
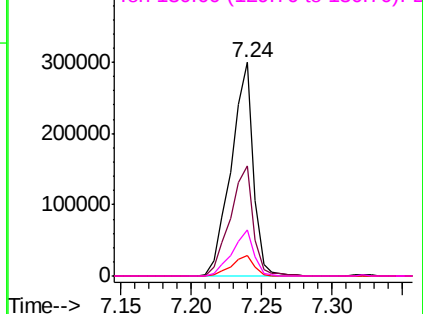
Abundance

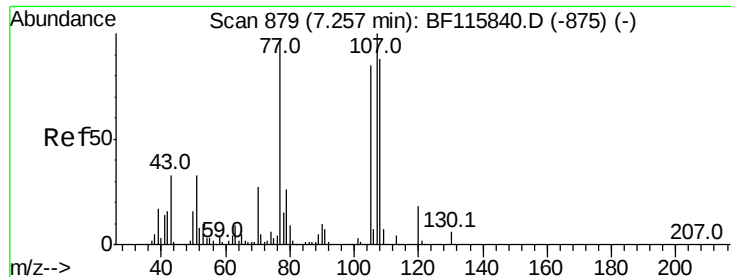
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 45.548 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

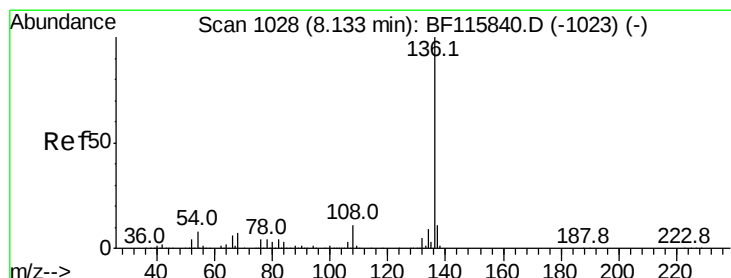
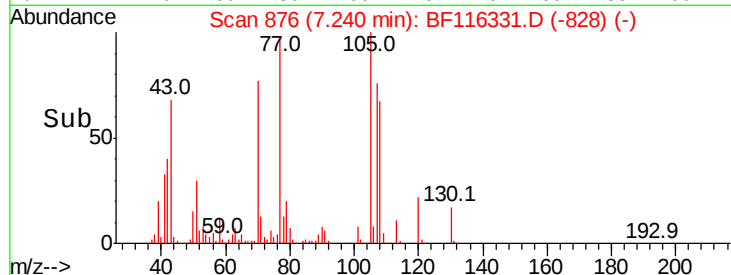
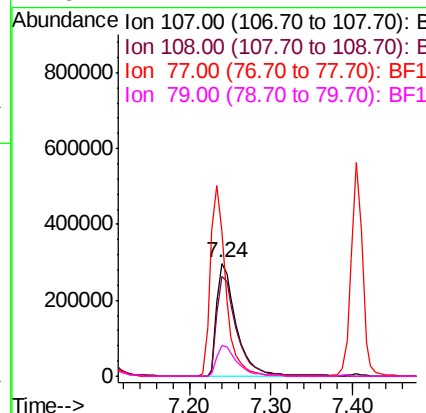
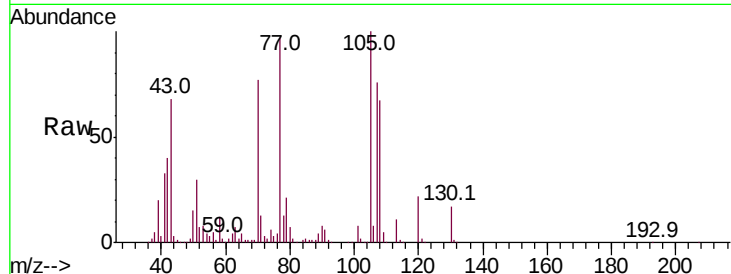
1S-I-(0-1)-COMPMSD

Tot Ion:	107	Resp:	488173
Ion Ratio	Lower	Upper	
107	100		
108	88.3	67.6	107.6
77	127.6	104.4	144.4
79	27.4	7.4	47.4

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#21

Naphthalene-d8

Concen: 20.000 ng

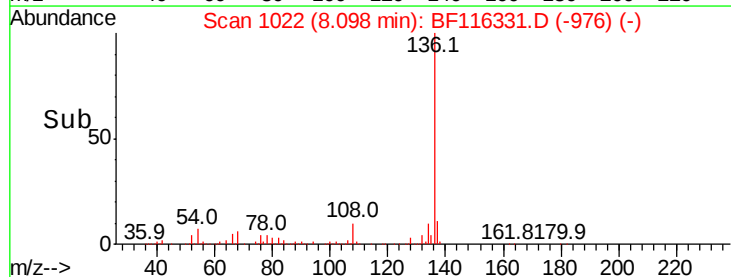
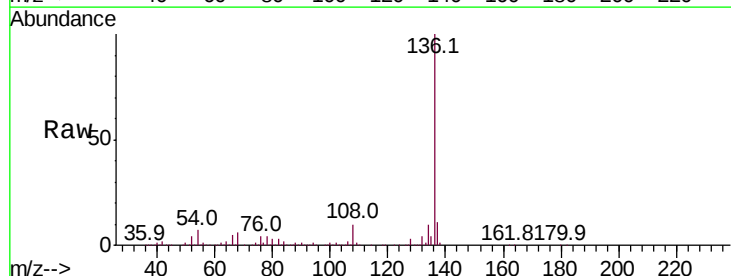
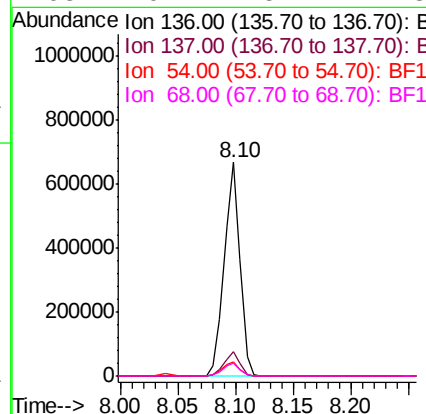
RT: 8.10 min Scan# 1022

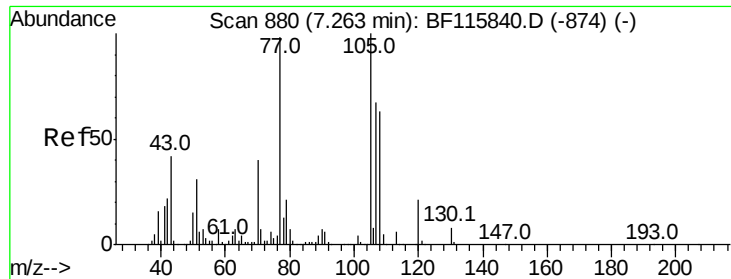
Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	136	Resp:	630834
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	6.9	5.8	8.6
68	6.2	5.2	7.8





#22
Acetophenone
Concen: 47.096 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

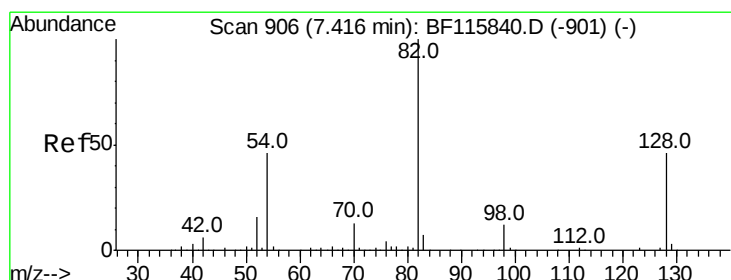
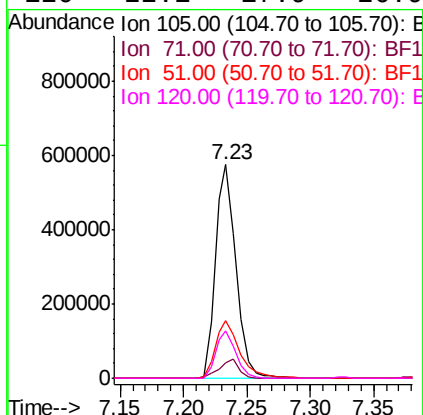
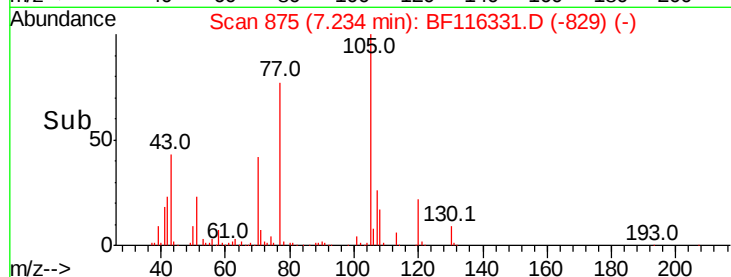
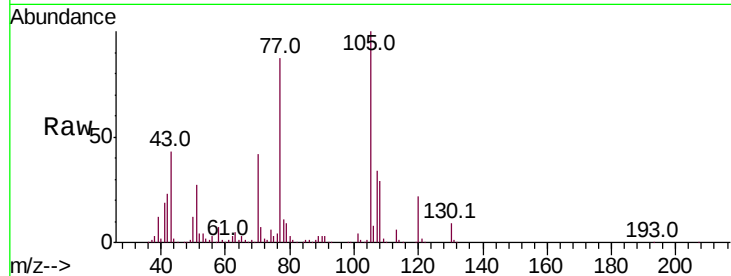
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.9	8.9
51	27.1	25.3	37.9
120	22.1	17.9	26.9

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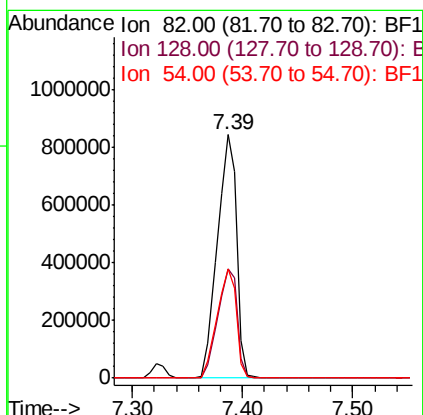
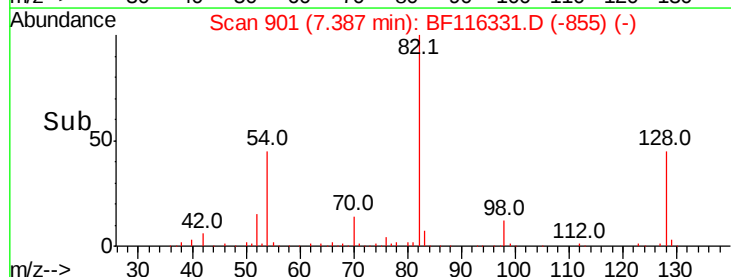
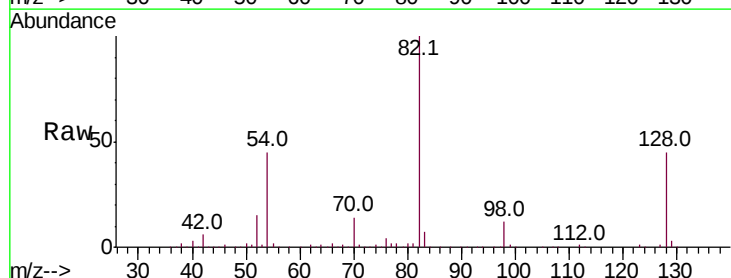
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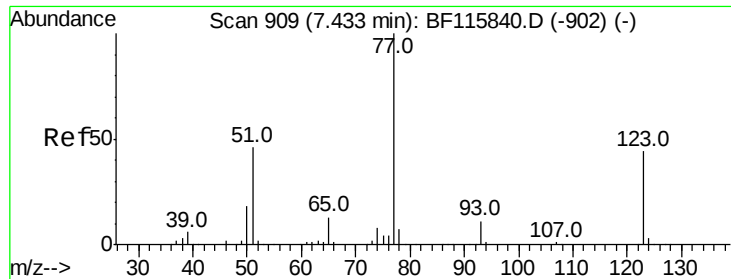
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#23
Nitrobenzene-d5
Concen: 93.189 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.5	54.7
54	44.7	36.0	54.0





#24
Nitrobenzene
Concen: 45.082 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

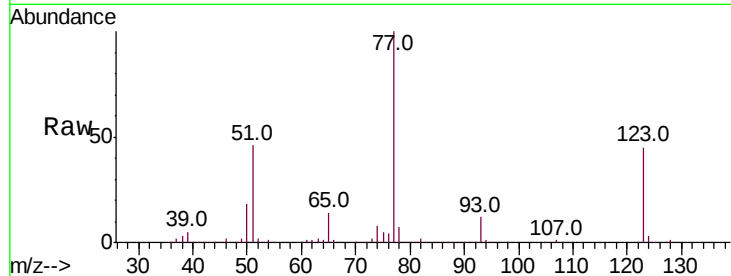
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
77	100		
123	45.5	36.7	55.1
65	13.8	10.6	16.0

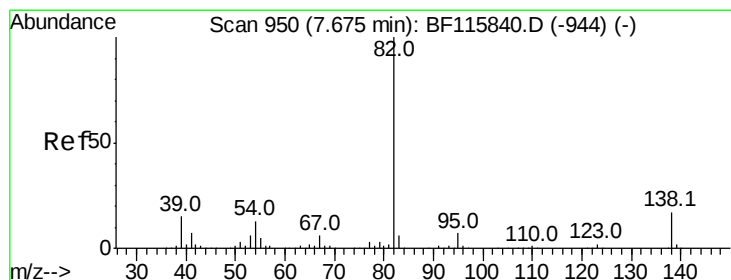
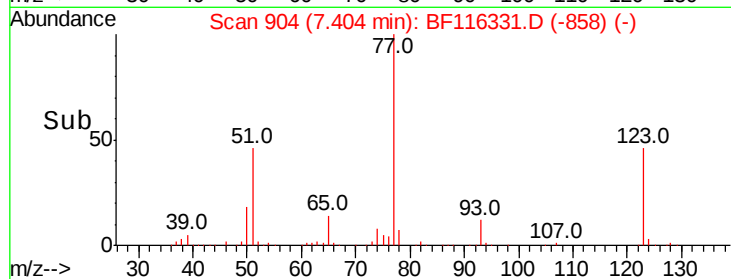
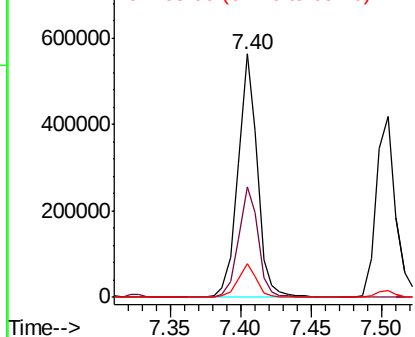
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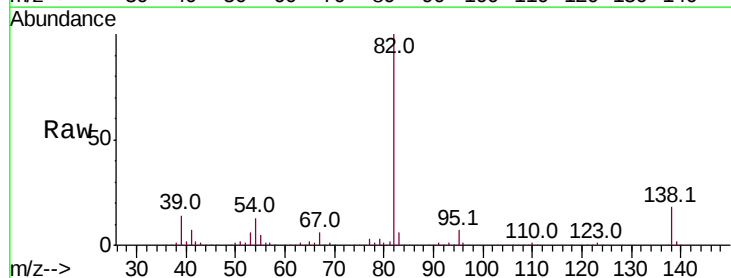


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

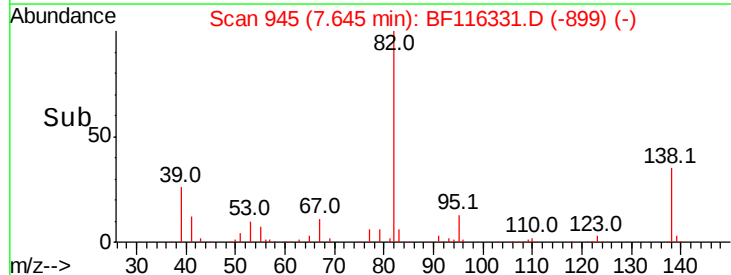
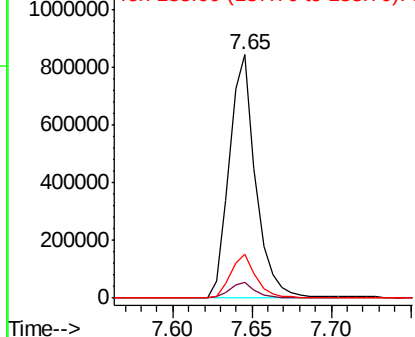


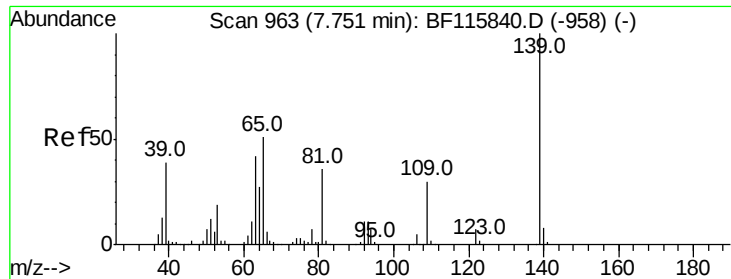
#25
Isophorone
Concen: 46.855 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	18.2	14.5	21.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#26
2-Nitrophenol
Concen: 47.988 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

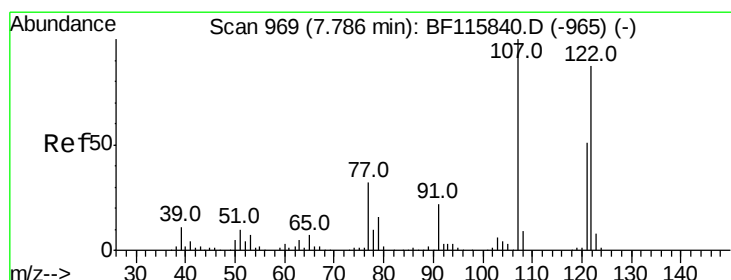
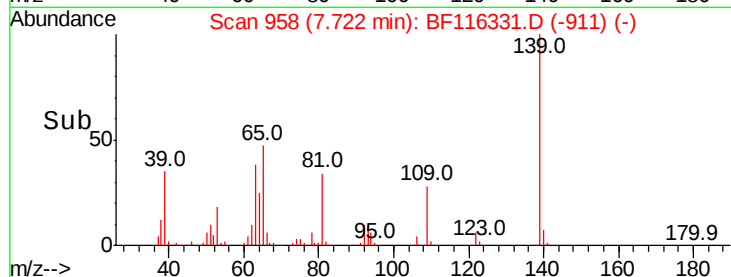
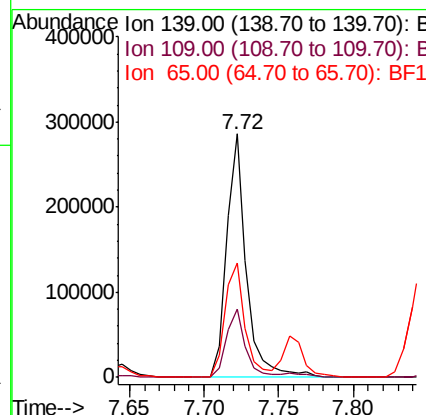
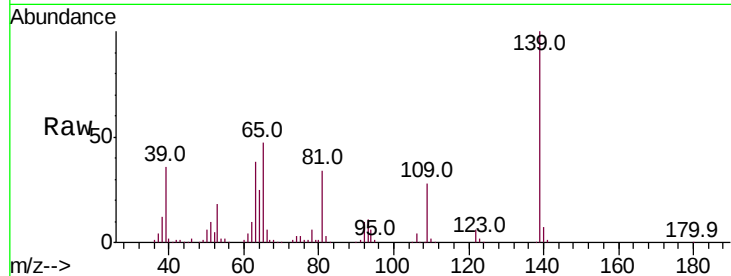
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	266932		
109	27.9	23.4	35.2	
65	47.0	41.1	61.7	

Manual Integrations
APPROVED

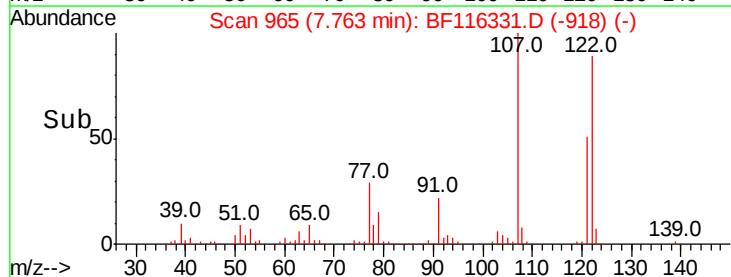
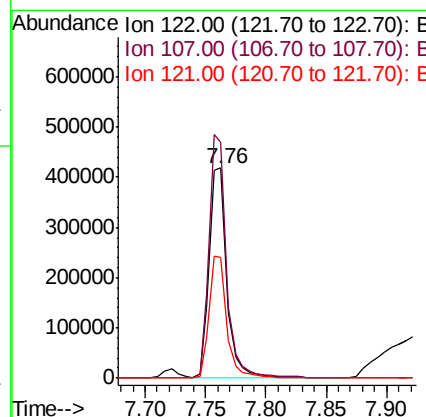
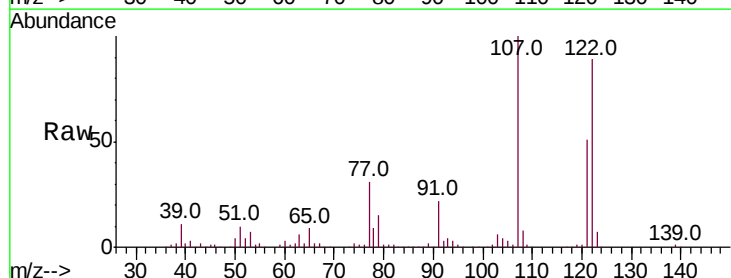
mohammad

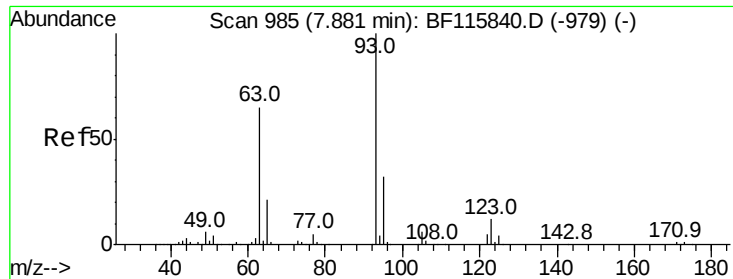
8/20/2019 8:36:56 AM



#27
2,4-Dimethylphenol
Concen: 51.101 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	427648		
107	112.5	93.0	139.6	
121	57.7	47.6	71.4	





#28
bis(2-Chloroethoxy)methane
Concen: 46.658 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

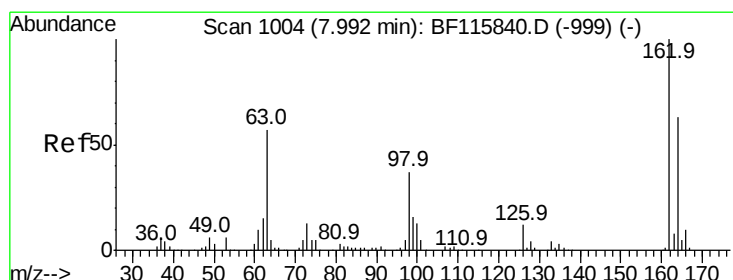
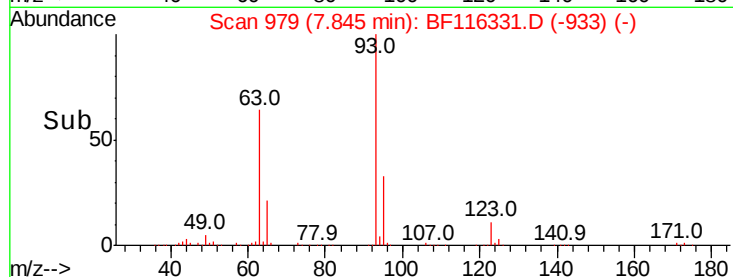
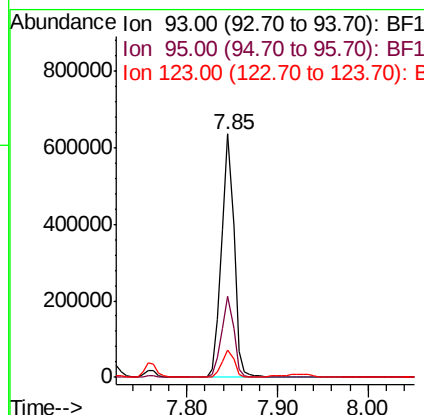
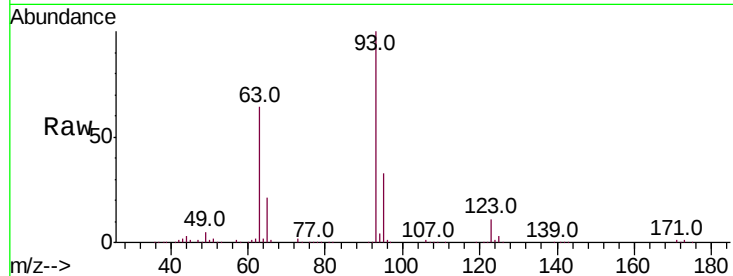
Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.2	26.2	39.4	
123	11.3	9.2	13.8	

Manual Integrations
APPROVED

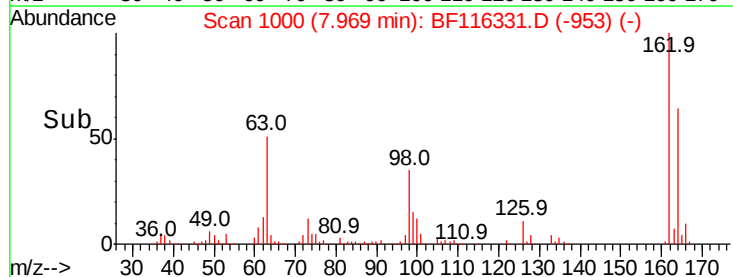
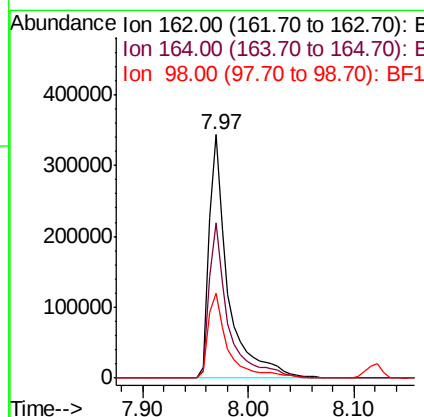
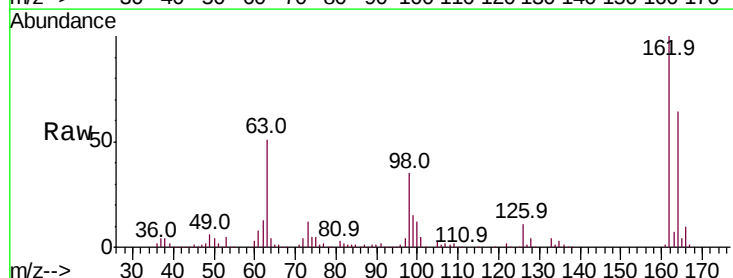
mohammad

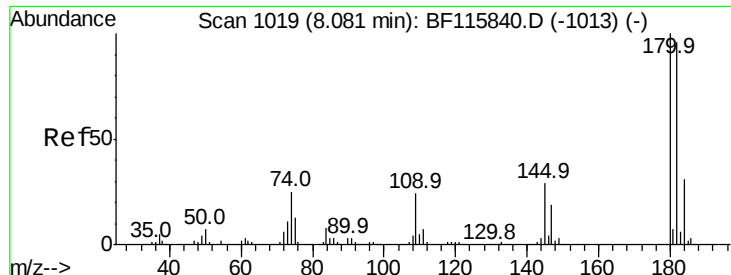
8/20/2019 8:36:56 AM



#29
2,4-Dichlorophenol
Concen: 48.487 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.8	45.1	85.1	
98	35.0	15.8	55.8	





#30
 1,2,4-Trichlorobenzene
 Concen: 44.134 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

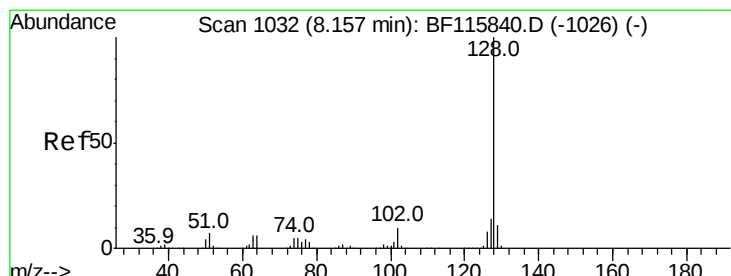
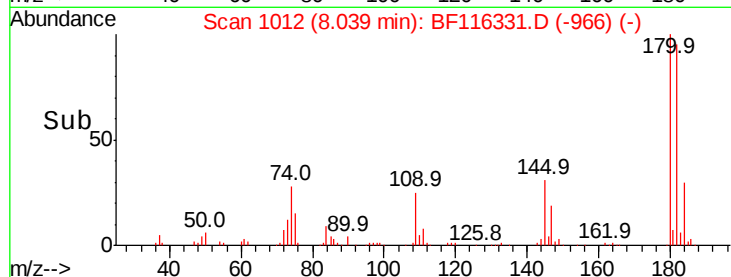
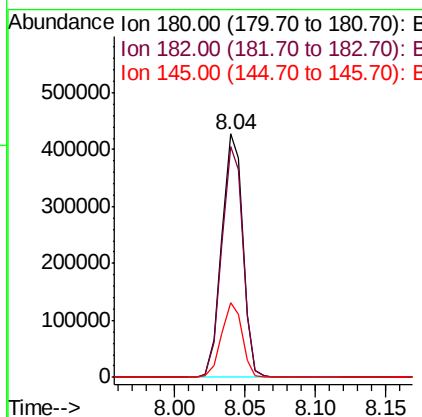
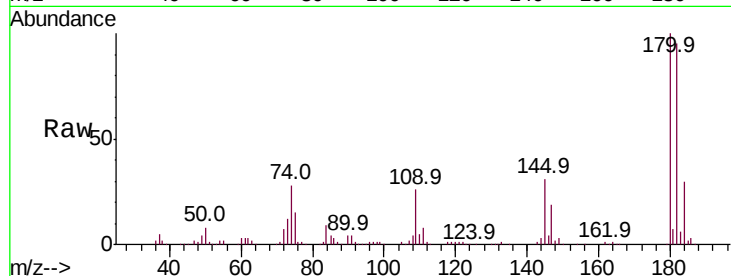
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Tot Ion:	180	Resp:	444540
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.7	113.5
145	30.6	24.3	36.5

Manual Integrations
 APPROVED

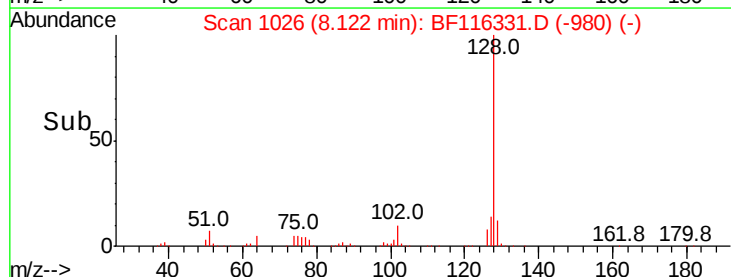
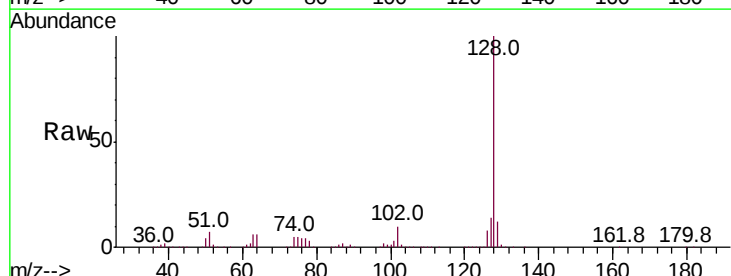
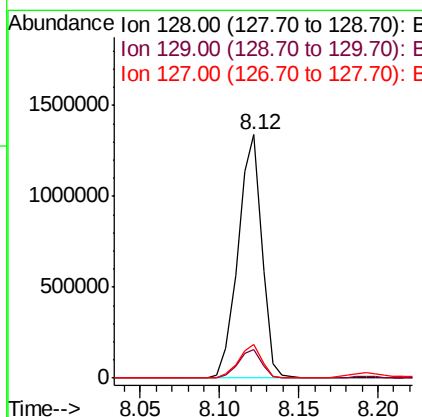
mohammad

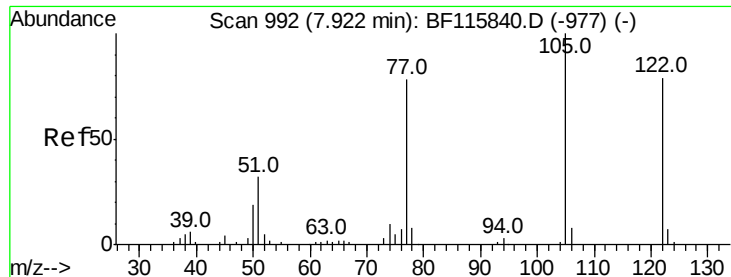
8/20/2019 8:36:56 AM



#31
 Naphthalene
 Concen: 46.743 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion:	128	Resp:	1387608
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.3	13.9
127	14.0	11.4	17.0





#32

Benzoic acid

Concen: 47.455 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

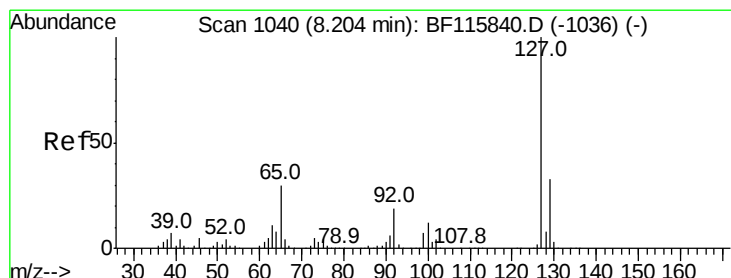
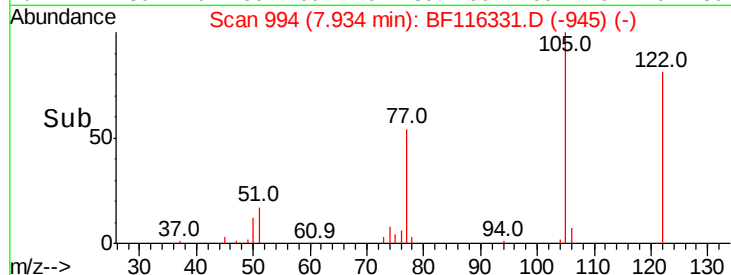
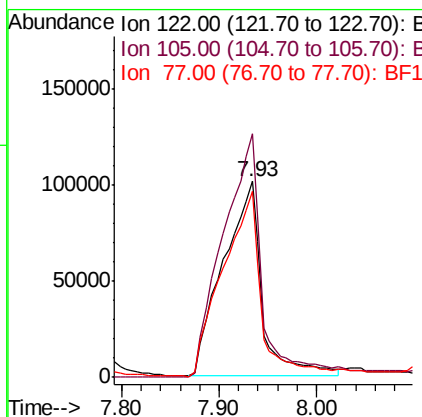
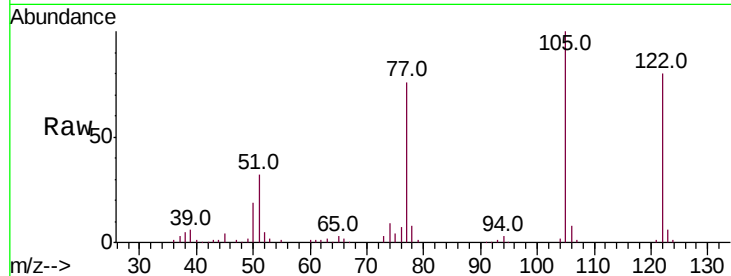
1S-I-(0-1)-COMPMSD

Tot Ion:	122	Resp:	279995
Ion Ratio	Lower	Upper	
122	100		
105	124.3	106.1	146.1
77	95.1	76.7	116.7

Manual Integrations
APPROVED

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#33

4-Chloroaniline

Concen: 4.488 ng

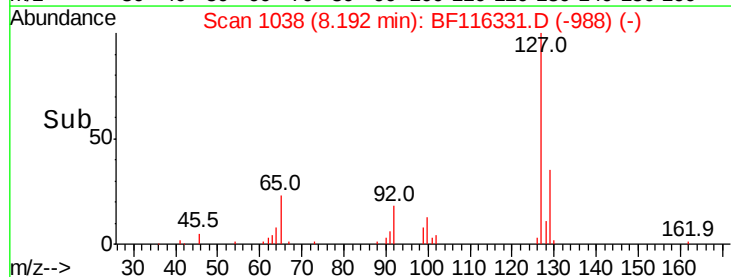
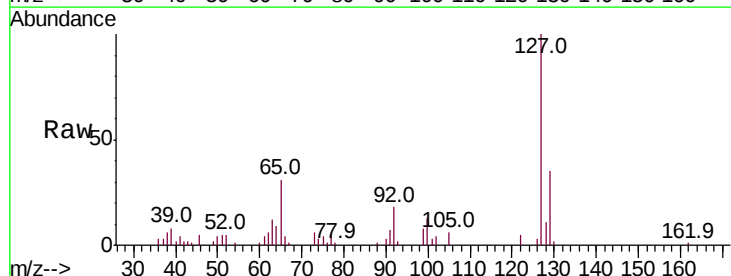
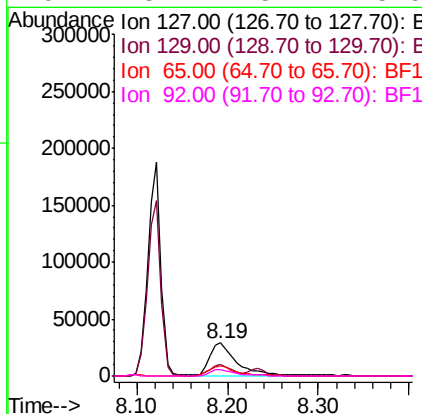
RT: 8.19 min Scan# 1038

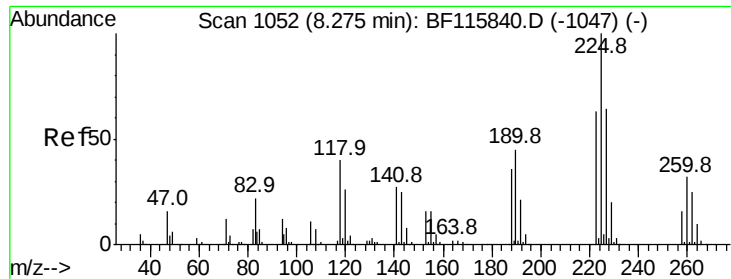
Delta R.T. -0.01 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	127	Resp:	59534
Ion Ratio	Lower	Upper	
127	100		
129	34.6	26.1	39.1
65	30.6	24.9	37.3
92	18.1	15.7	23.5





#34
Hexachlorobutadiene
Concen: 43.835 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

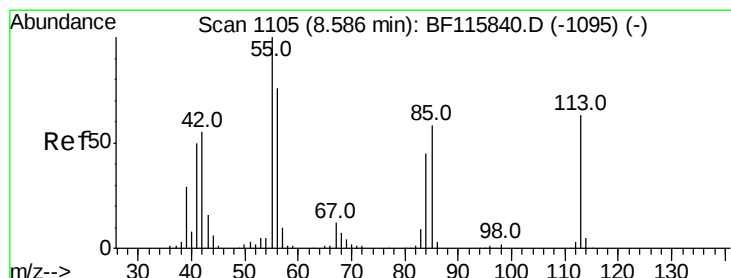
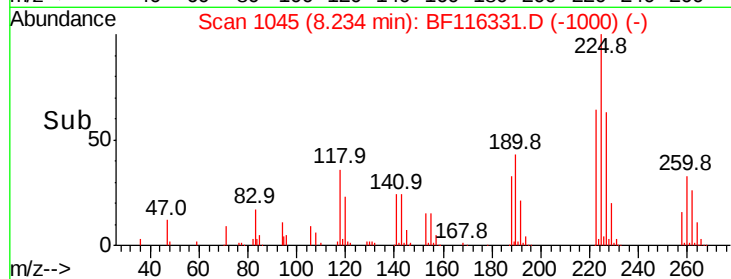
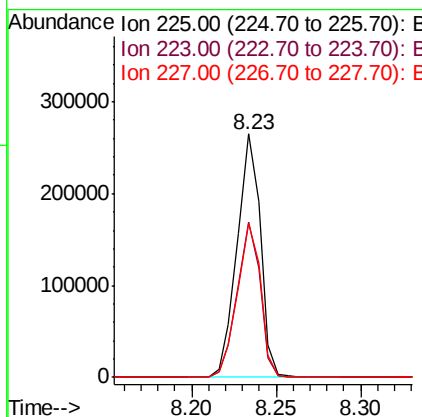
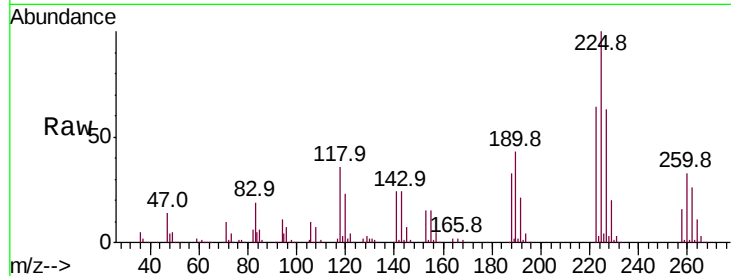
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion:	225	Resp:	254316
Ion Ratio	Lower	Upper	
225	100		
223	63.9	50.0	75.0
227	63.4	51.0	76.4

Manual Integrations
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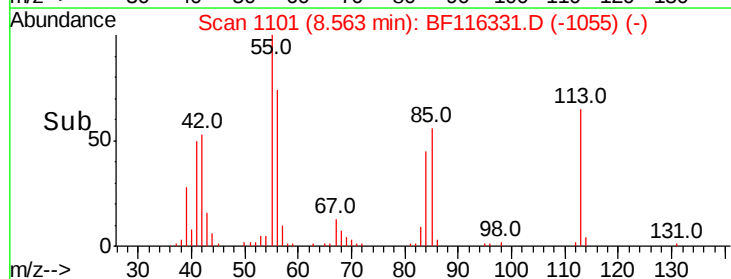
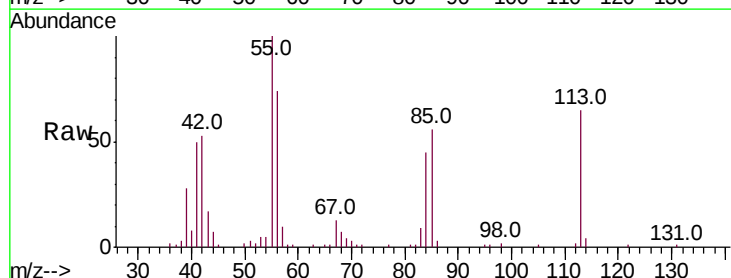
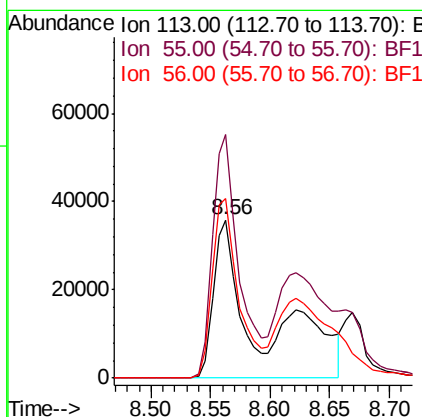
mohammad

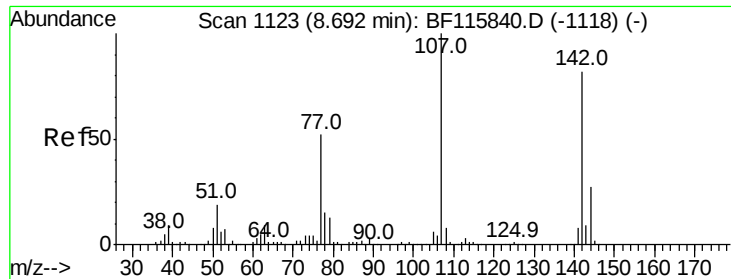
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#35
Caprolactam
Concen: 34.038 ng m
RT: 8.56 min Scan# 1101
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion:	113	Resp:	97276
Ion Ratio	Lower	Upper	
113	100		
55	154.0	144.3	184.3
56	113.8	97.1	137.1





#36
4-Chloro-3-methylphenol
Concen: 47.459 ng
RT: 8.67 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

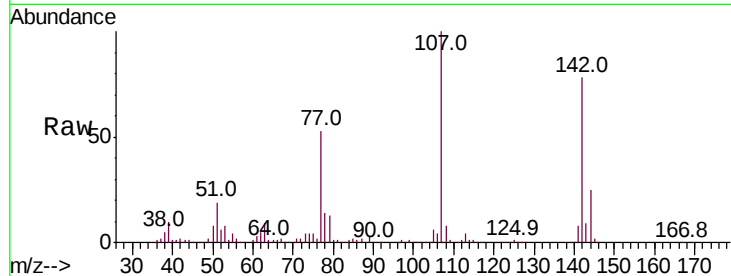
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.2	30.2
142	78.4	61.7	92.5

Manual Integrations
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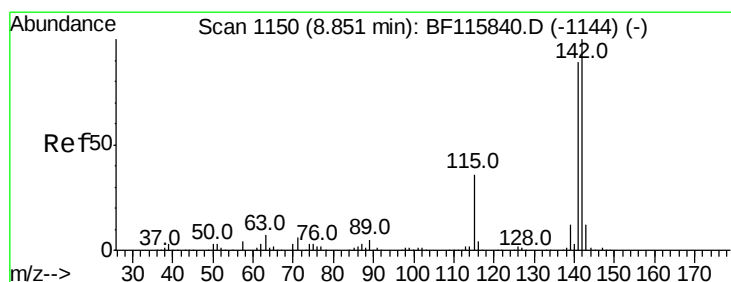
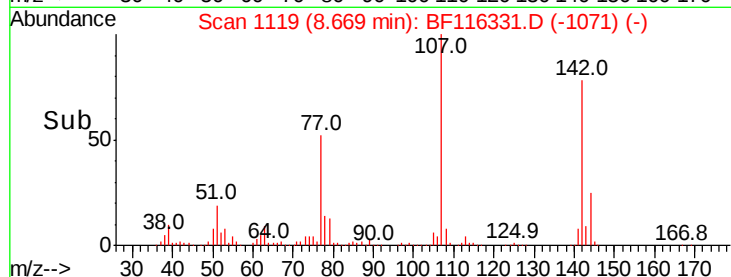
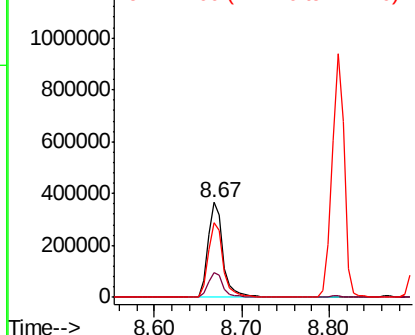


Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37
2-Methylnaphthalene
Concen: 46.702 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

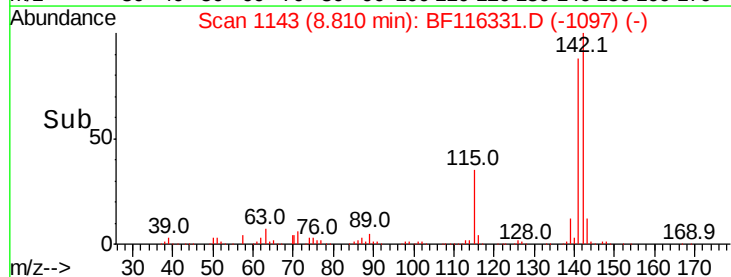
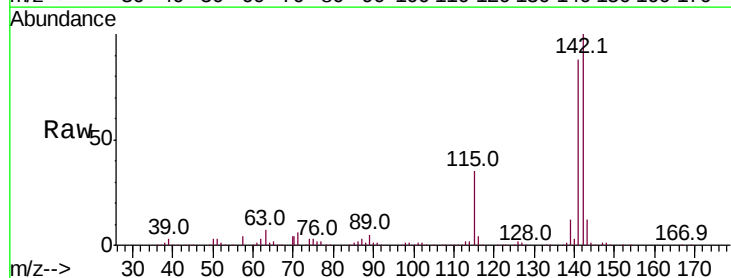
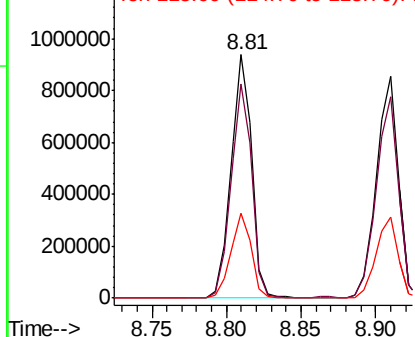
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.9	106.3
115	35.1	29.0	43.6

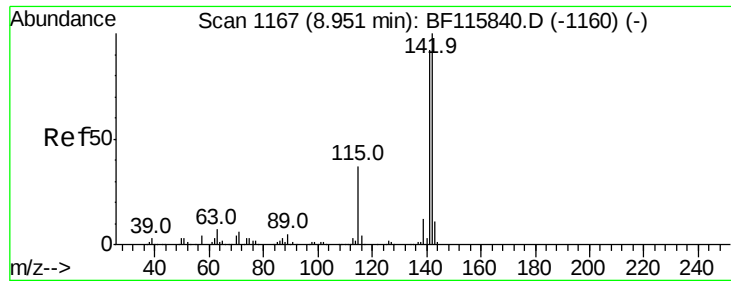
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38
1-Methylnaphthalene
Concen: 46.418 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

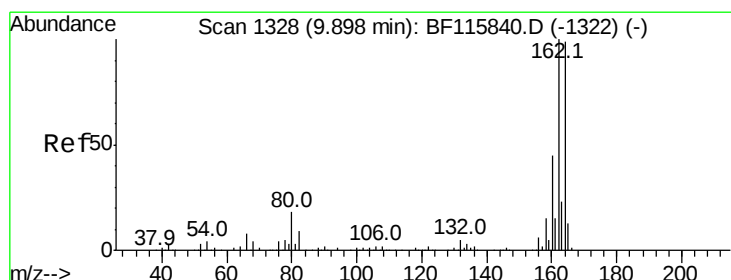
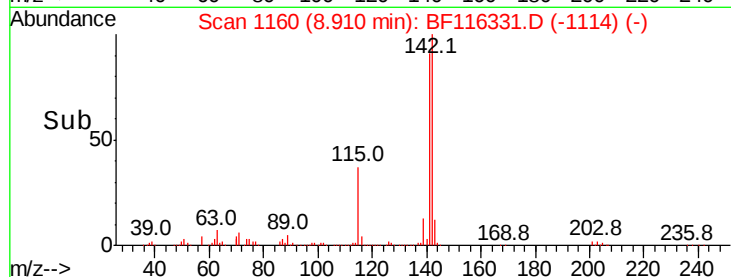
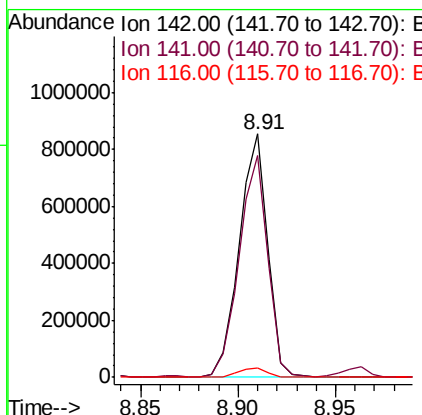
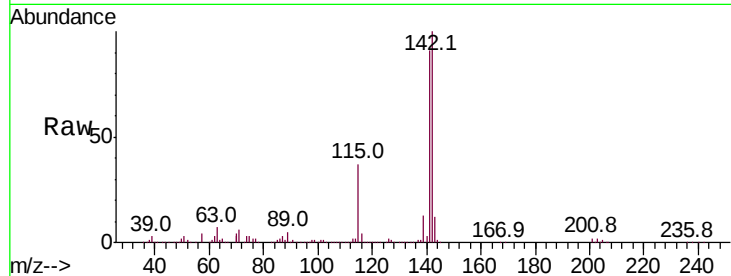
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	858537		
141	91.0		74.4	111.6
116	3.8		3.1	4.7

Manual Integrations
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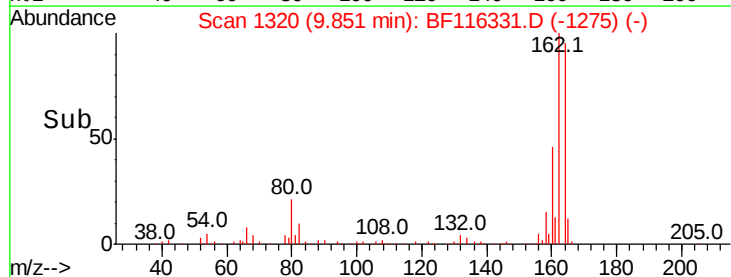
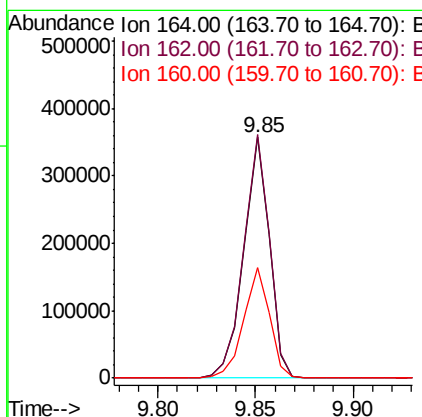
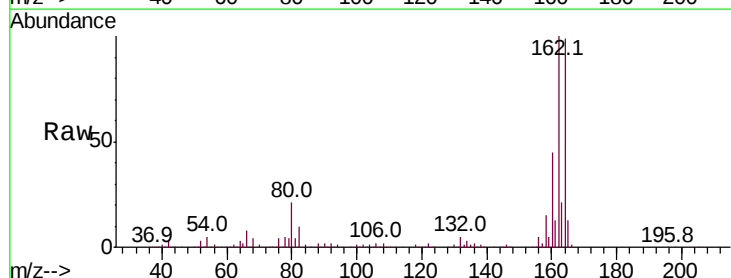
mohammad

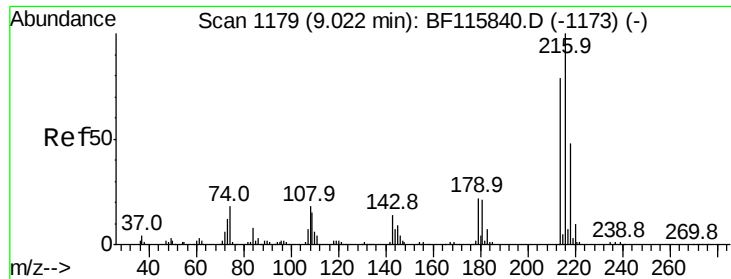
8/20/2019 8:36:56 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	327687		
162	101.2		82.6	124.0
160	46.0		37.6	56.4





#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.184 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

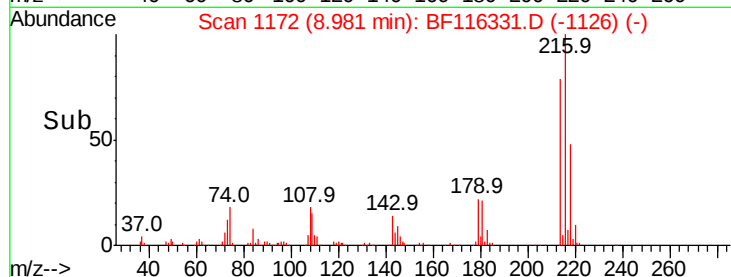
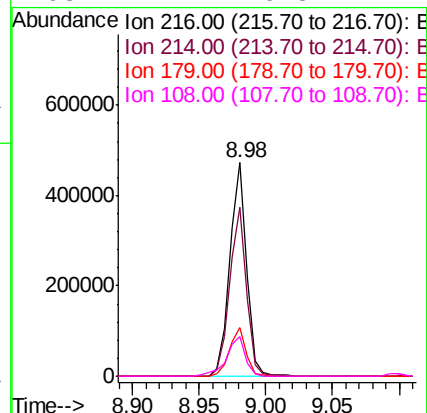
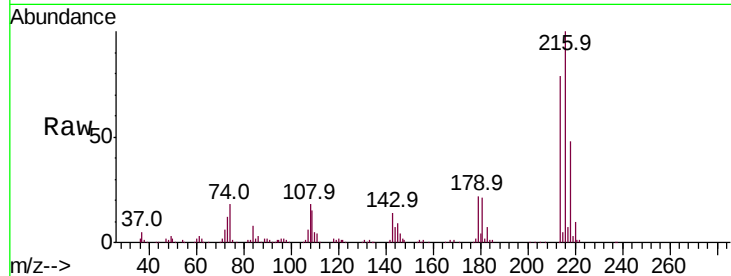
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	422110		
214	79.5	63.6	95.4	
179	22.4	17.8	26.8	
108	21.2	16.5	24.7	

Manual Integrations
 APPROVED

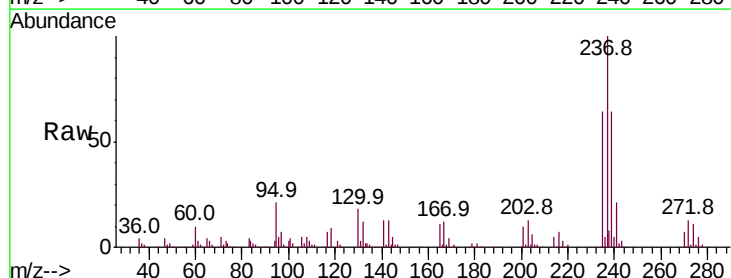
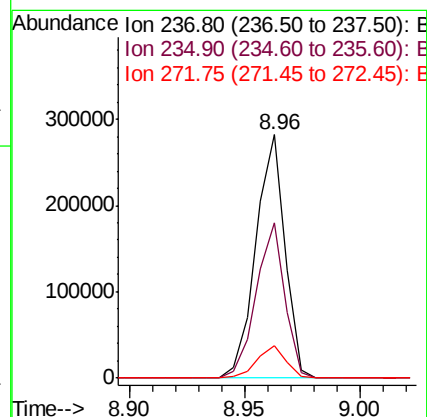
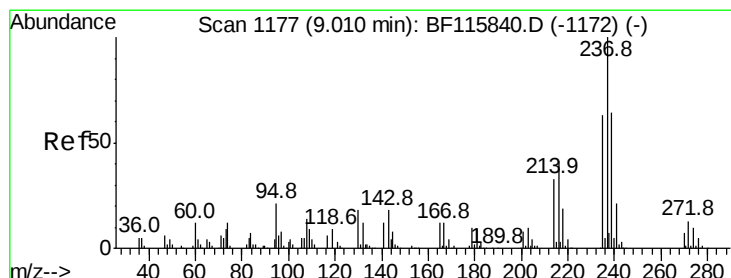
mohammad

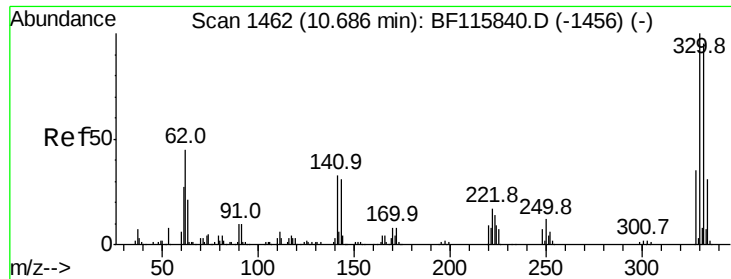
8/20/2019 8:36:56 AM



#41
 Hexachlorocyclopentadiene
 Concen: 64.611 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	249265		
235	63.7	43.4	83.4	
272	13.4	0.0	33.2	





#42

2,4,6-Tribromophenol

Concen: 130.322 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

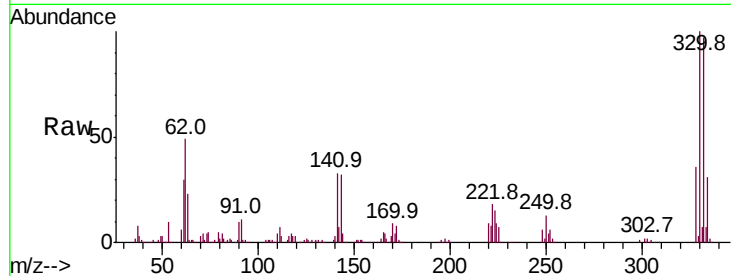
1S-I-(0-1)-COMPMSD

Tot Ion:	330	Resp:	414034
Ion Ratio	Lower	Upper	
330	100		
332	97.0	76.8	115.2
141	31.8	26.3	39.5

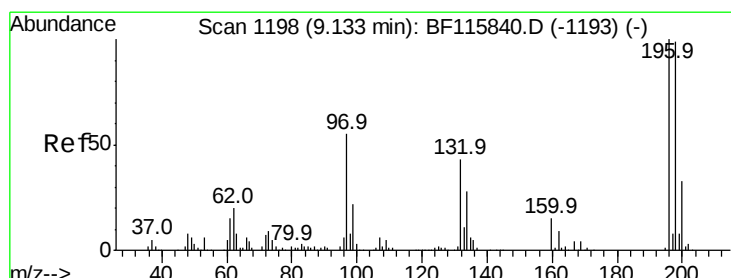
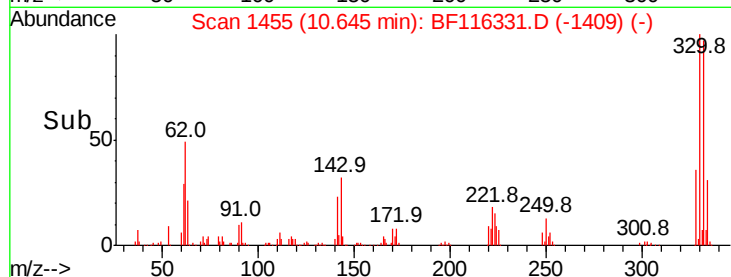
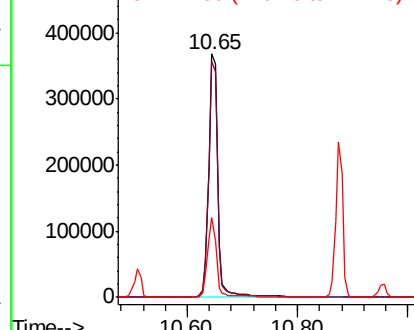
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#43

2,4,6-Trichlorophenol

Concen: 44.875 ng

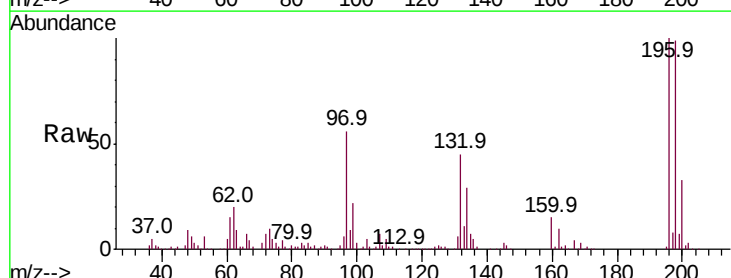
RT: 9.10 min Scan# 1192

Delta R.T. -0.02 min

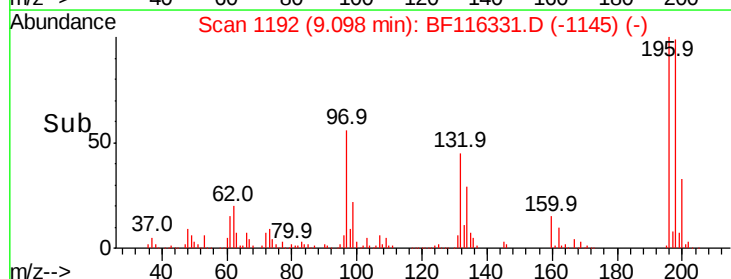
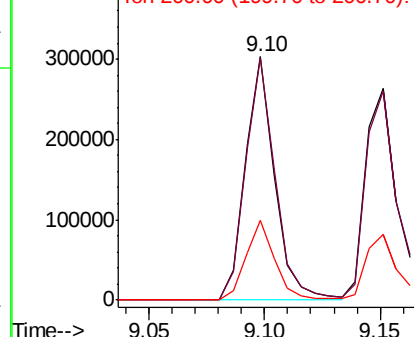
Lab File: BF116331.D

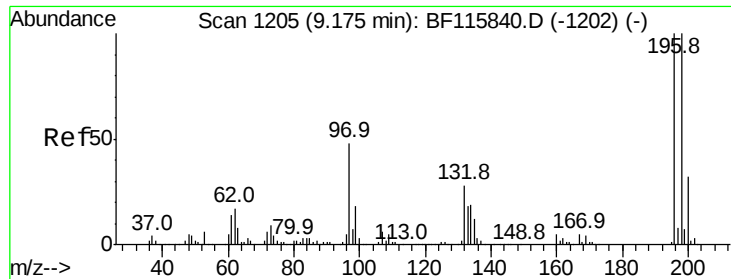
Acq: 16 Aug 2019 21:27

Tgt Ion:	196	Resp:	270591
Ion Ratio	Lower	Upper	
196	100		
198	99.4	79.2	118.8
200	32.5	25.2	37.8



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E





#44
 2,4,5-Trichlorophenol
 Concen: 45.114 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

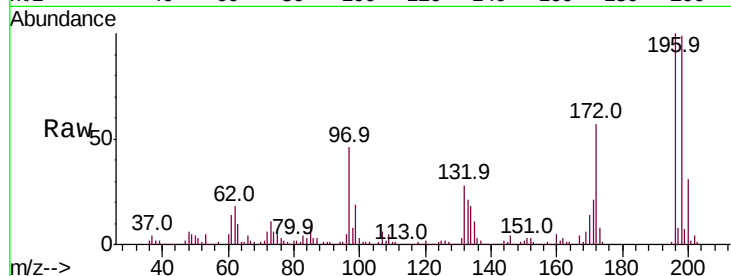
Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	281201		
198	99.2	78.8	118.2	
97	46.1	42.2	63.4	
132	28.1	24.0	36.0	

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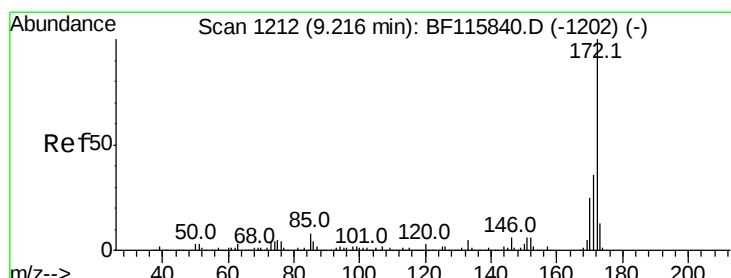
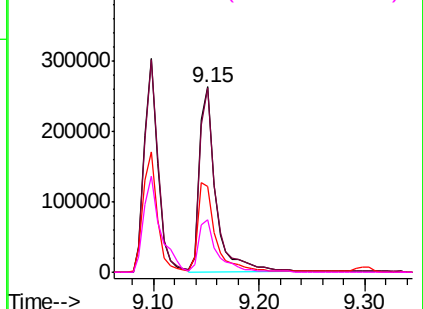
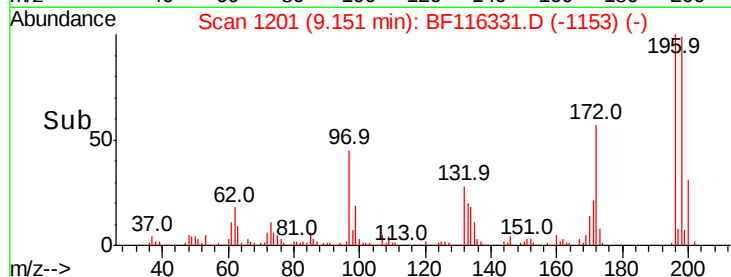
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

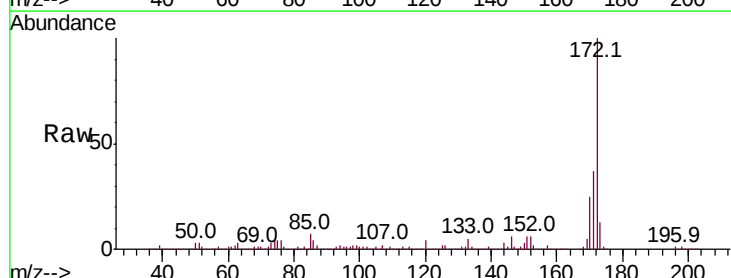
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.848 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1676825		
171	36.8	29.6	44.4	
170	25.4	20.1	30.1	

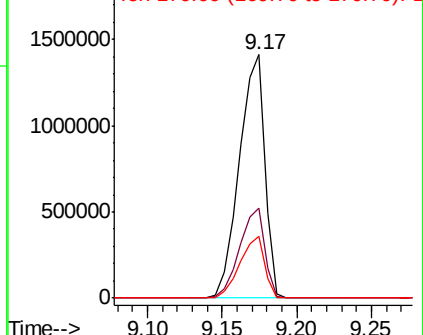
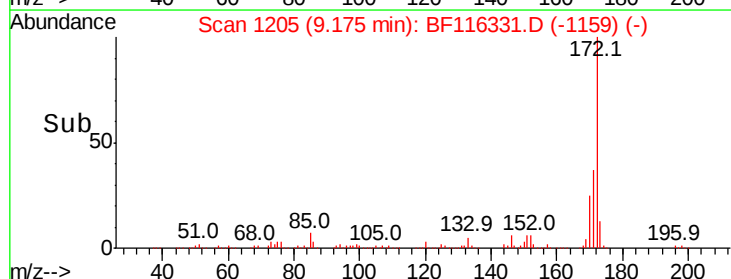


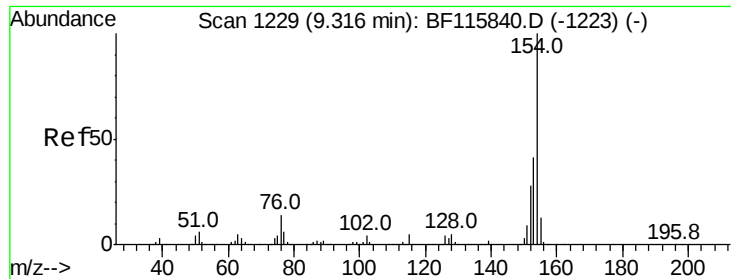
Abundance

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: 48.319 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMPMSD

Tot Ion:154 Resp: 1117834

Ion Ratio Lower Upper

154 100

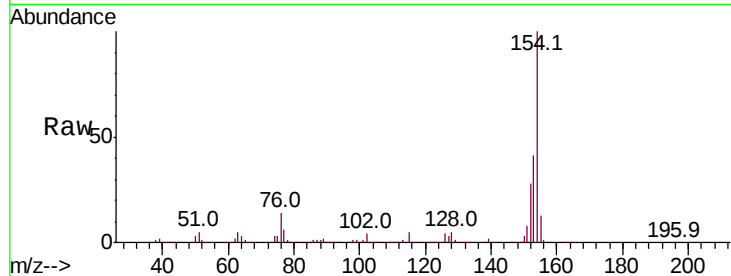
153 40.5 21.4 61.4

76 13.5 0.0 35.2

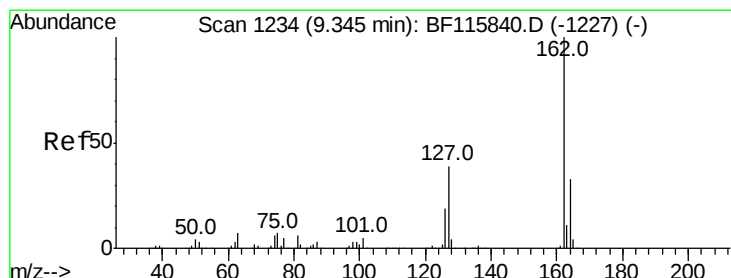
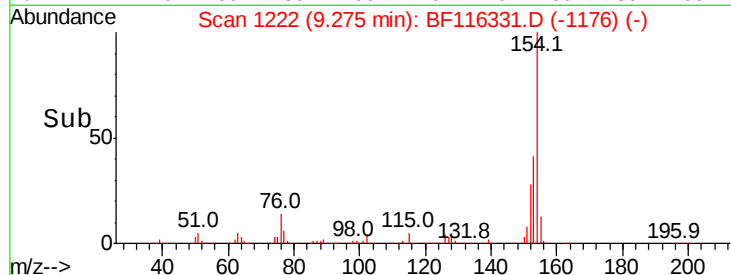
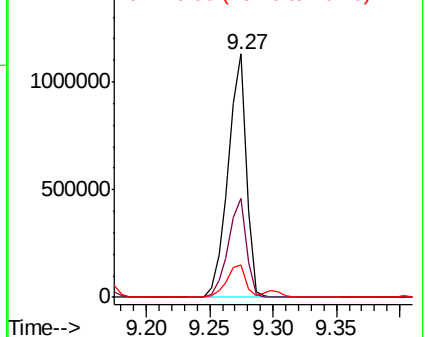
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#47

2-Chloronaphthalene

Concen: 46.204 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.04 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

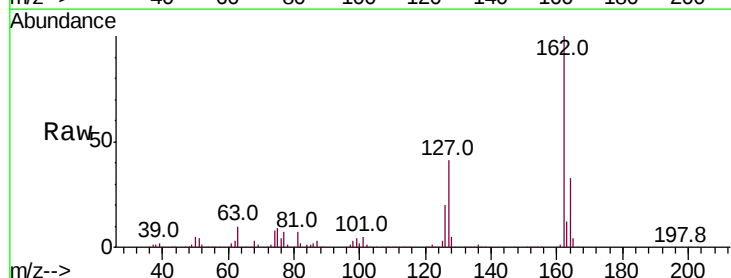
Tgt Ion:162 Resp: 889651

Ion Ratio Lower Upper

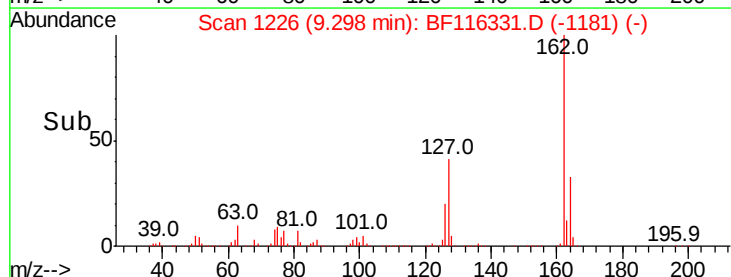
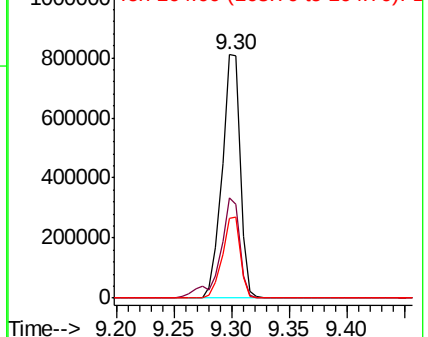
162 100

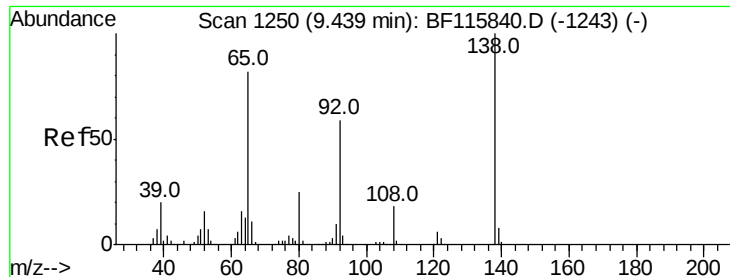
127 41.3 32.8 49.2

164 33.0 26.6 39.8



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: 42.965 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

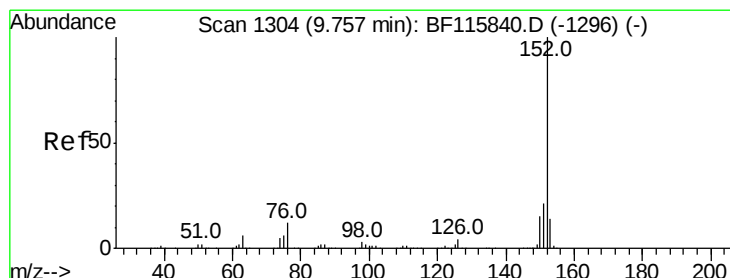
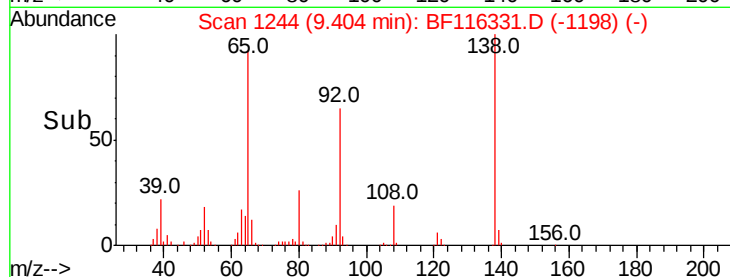
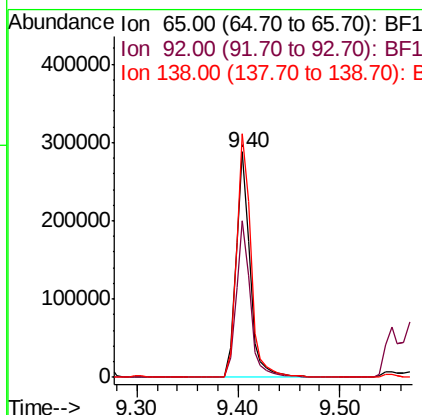
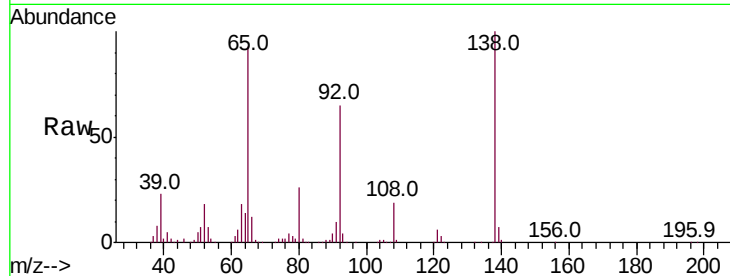
Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.7	57.8	86.8
138	108.0	94.0	141.0

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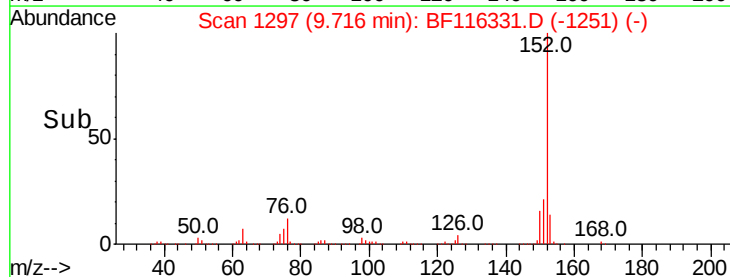
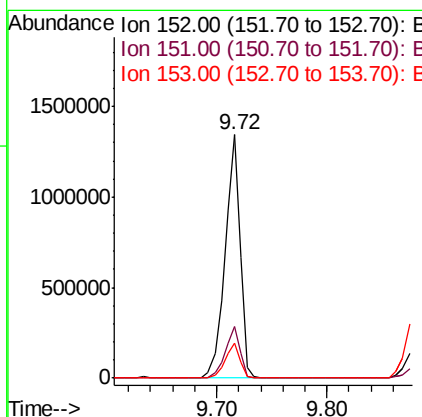
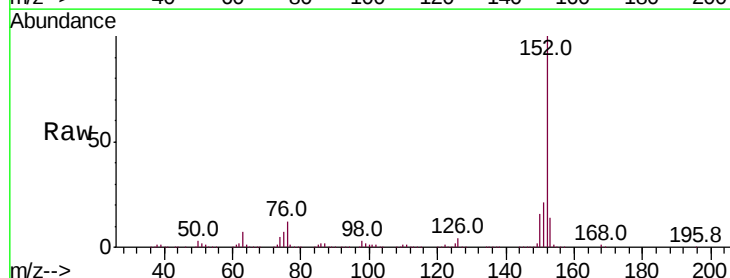
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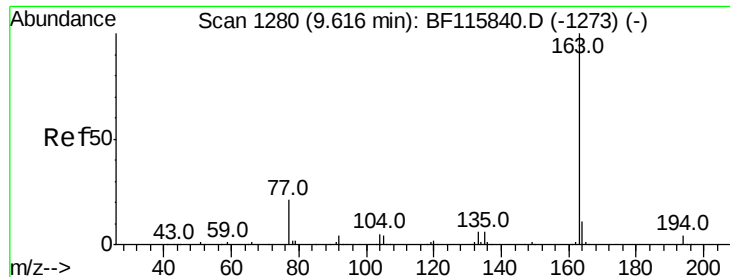
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#49
Acenaphthylene
Concen: 45.477 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	17.2	25.8
153	14.3	11.8	17.8





#50
Dimethylphthalate
Concen: 46.737 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

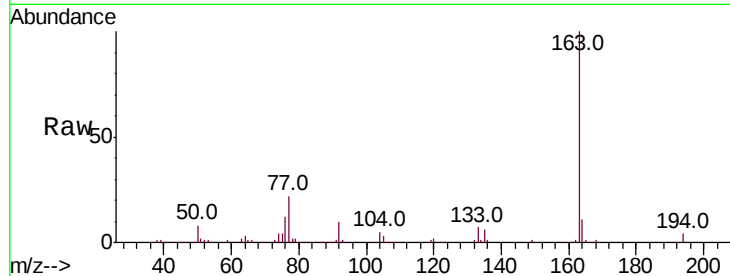
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.5	8.4	12.6

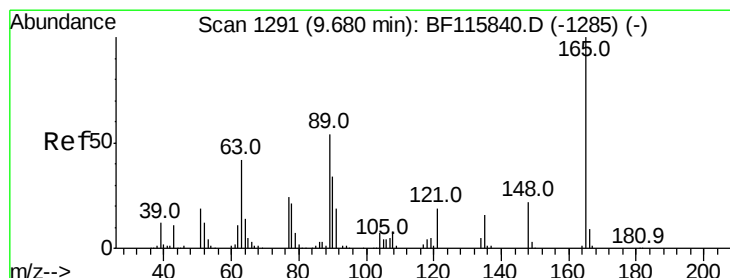
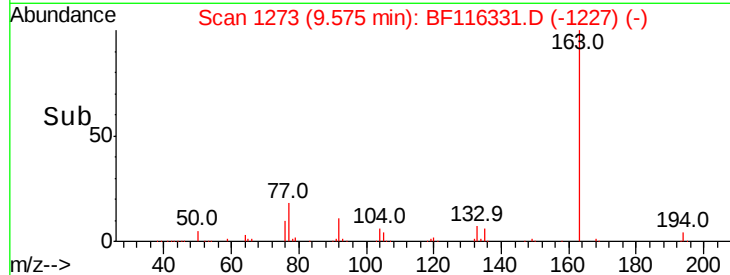
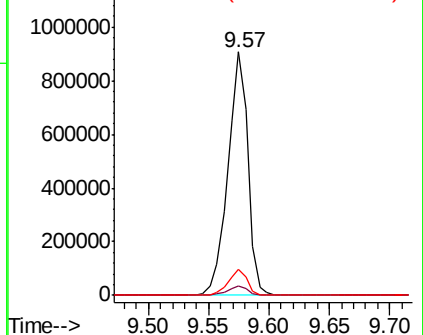
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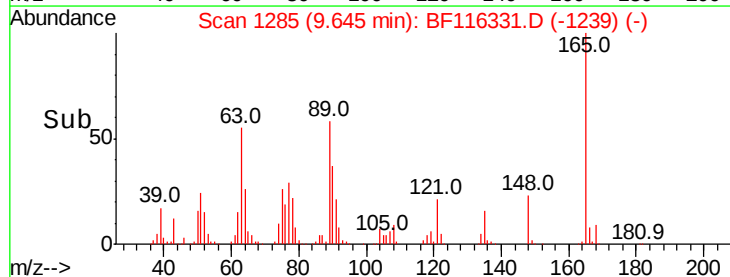
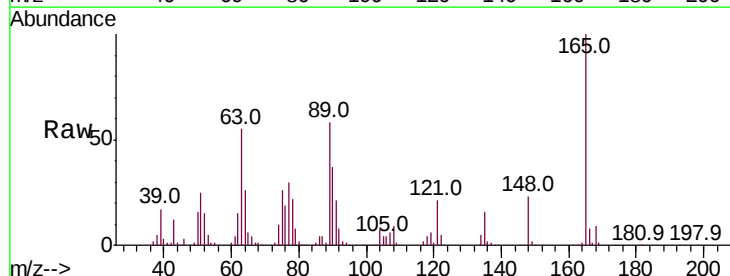
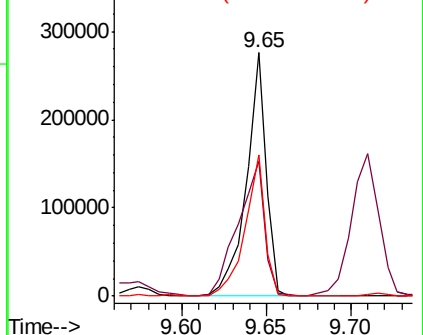
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

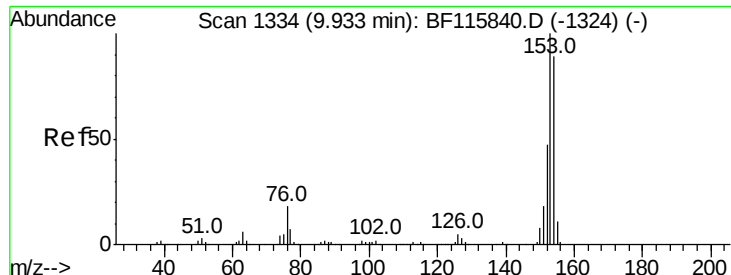


#51
2,6-Dinitrotoluene
Concen: 47.050 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	55.5	38.2	57.2
89	58.1	42.9	64.3

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: 46.317 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.04 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

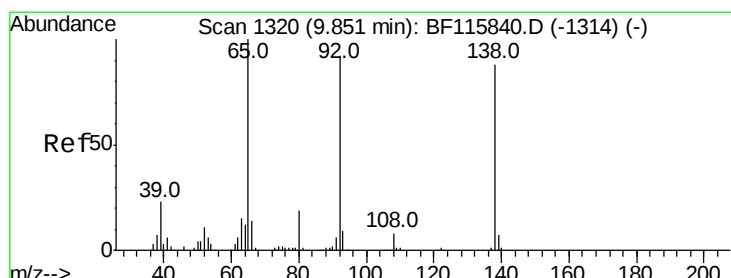
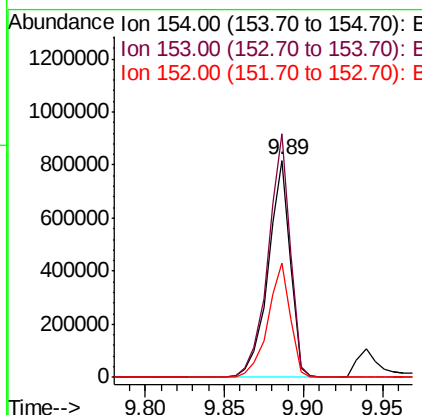
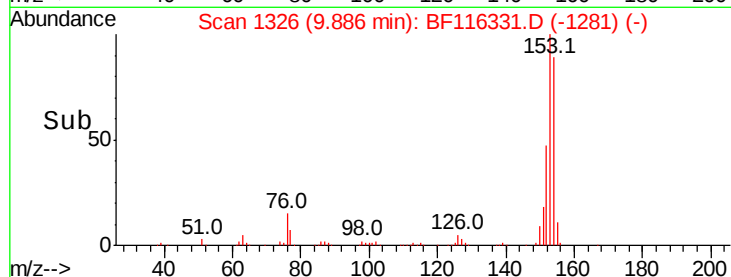
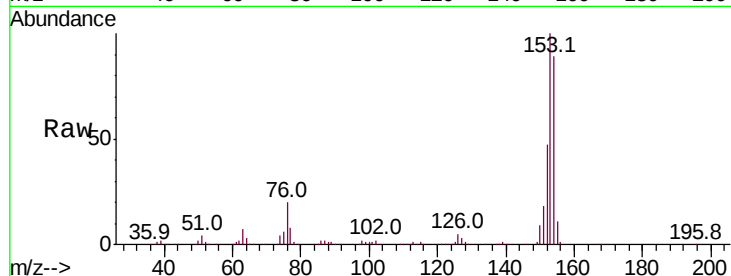
1S-I-(0-1)-COMPMSD

Tot Ion:	154	Resp:	798194
Ion Ratio	Lower	Upper	
154	100		
153	112.3	89.4	134.0
152	53.1	42.3	63.5

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#53

3-Nitroaniline

Concen: 8.766 ng

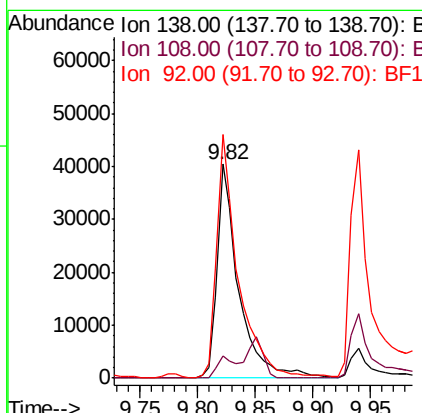
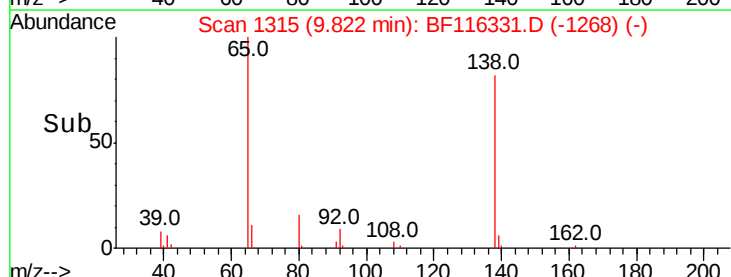
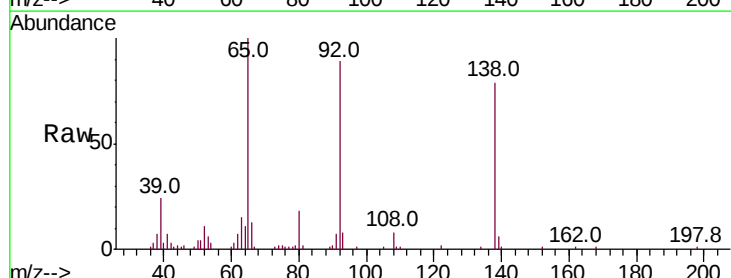
RT: 9.82 min Scan# 1315

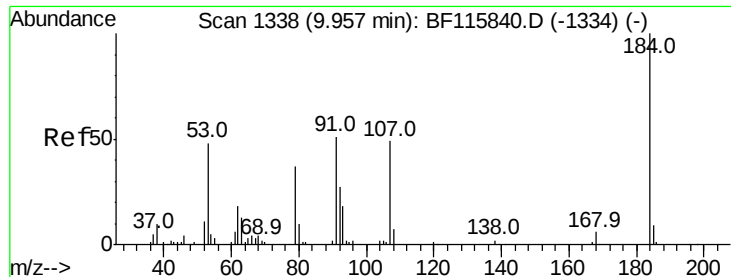
Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	138	Resp:	52520
Ion Ratio	Lower	Upper	
138	100		
108	10.7	8.0	12.0
92	113.9	91.0	136.6





#54

2,4-Dinitrophenol

Concen: 87.547 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

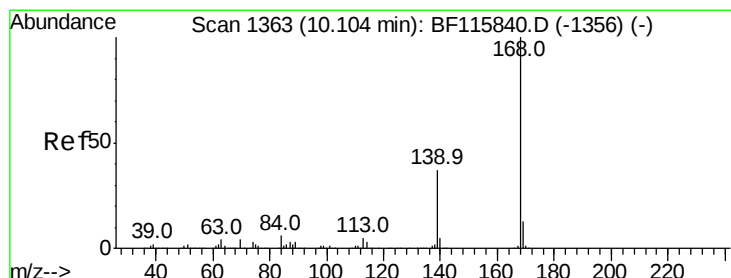
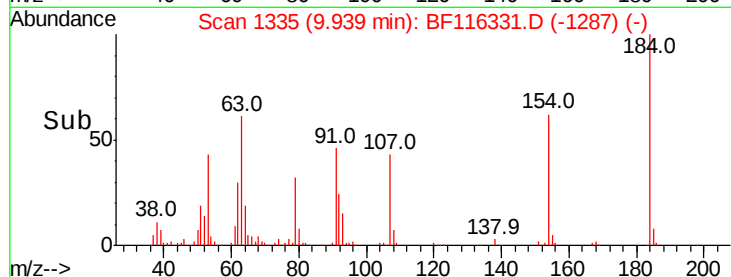
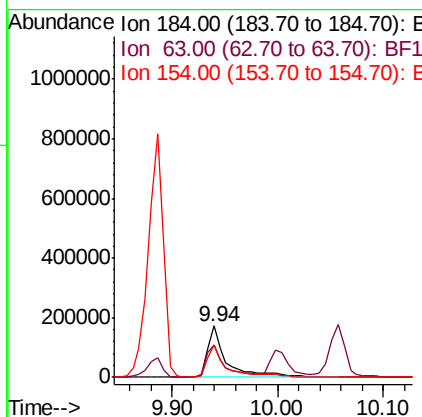
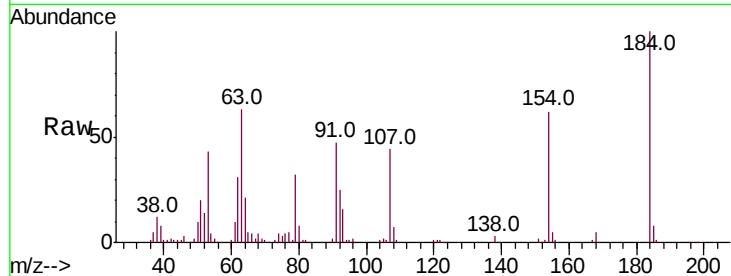
1S-I-(0-1)-COMPMSD

Tot Ion:	184	Resp:	217919
Ion Ratio	Lower	Upper	
184	100		
63	62.9	53.0	79.4
154	62.1	50.1	75.1

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#55

Dibenzofuran

Concen: 43.586 ng

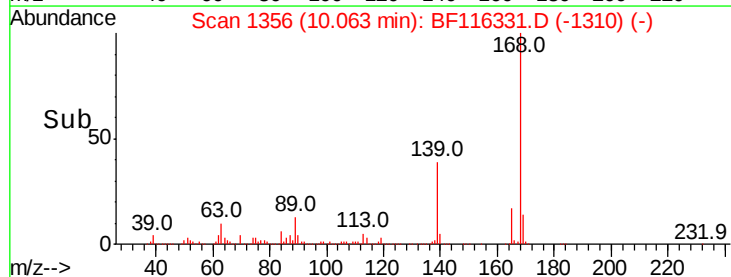
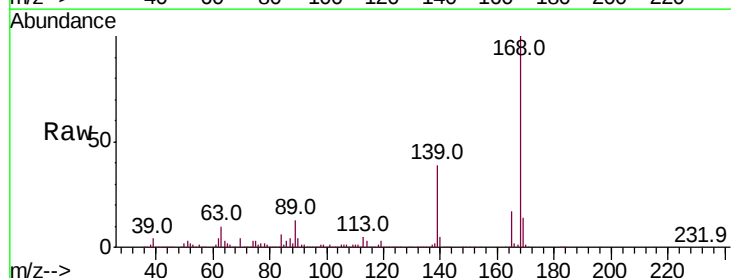
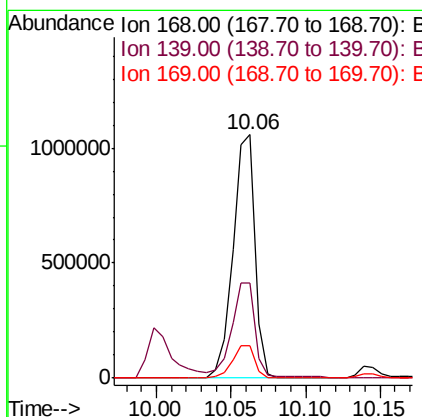
RT: 10.06 min Scan# 1356

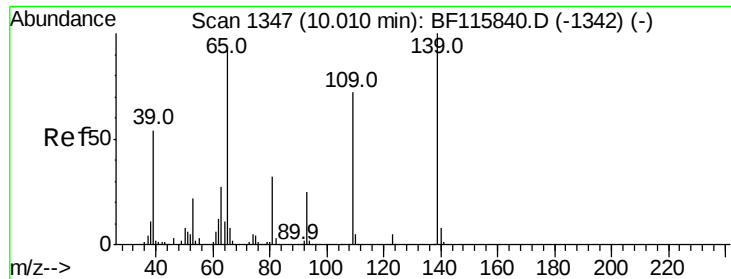
Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	168	Resp:	1092338
Ion Ratio	Lower	Upper	
168	100		
139	39.1	31.4	47.2
169	13.5	10.9	16.3





#56

4-Nitrophenol

Concen: 66.665 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

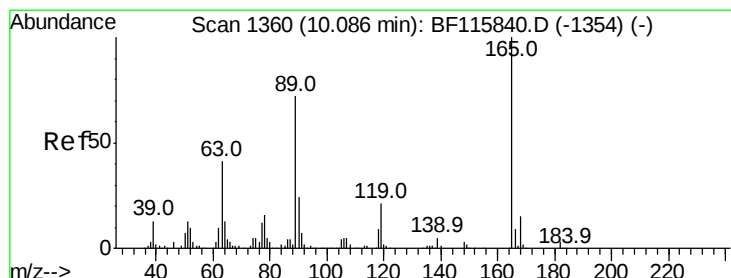
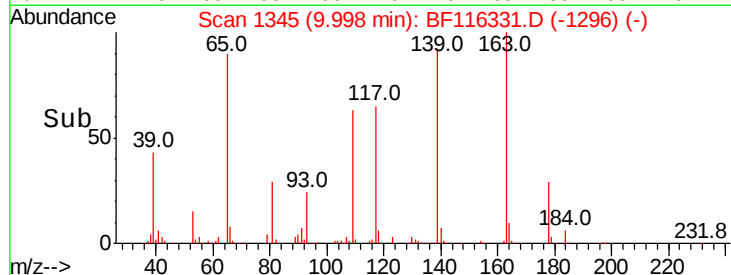
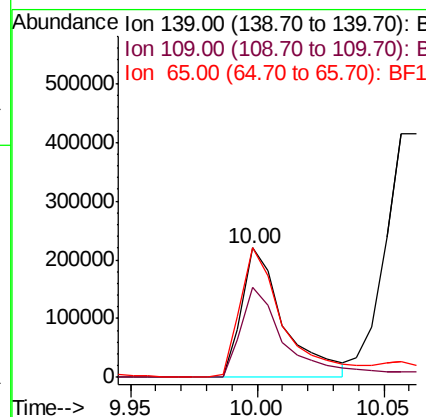
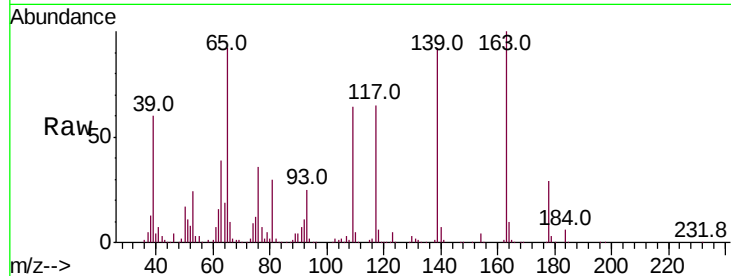
1S-I-(0-1)-COMPMSD

Tot Ion:	139	Resp:	255858
Ion Ratio	Lower	Upper	
139	100		
109	69.8	54.4	94.4
65	100.1	80.6	120.6

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#57

2,4-Dinitrotoluene

Concen: 41.989 ng

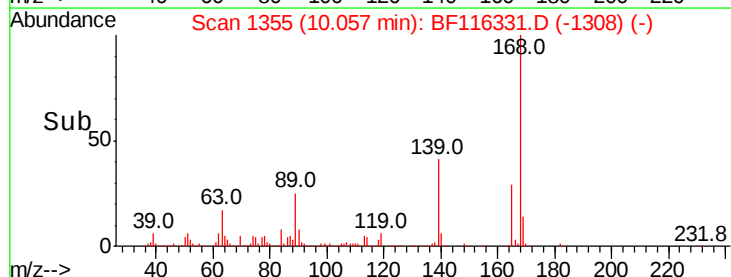
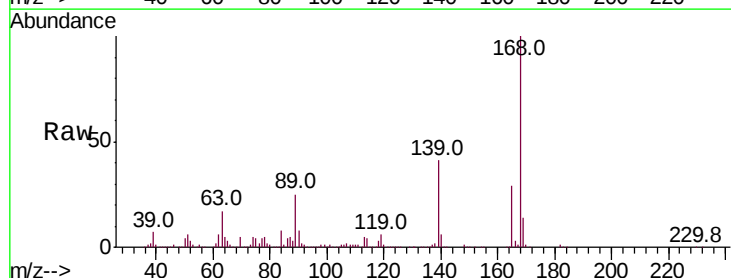
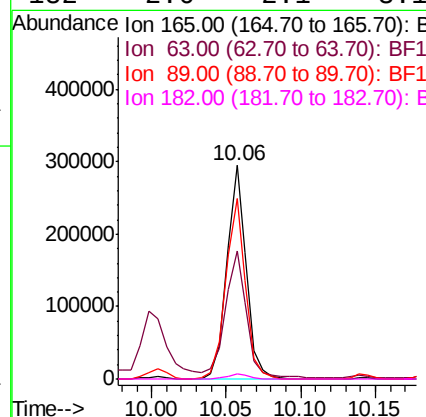
RT: 10.06 min Scan# 1355

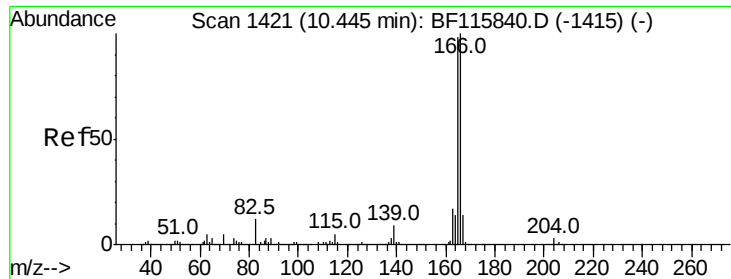
Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	165	Resp:	271070
Ion Ratio	Lower	Upper	
165	100		
63	59.9	39.6	59.4#
89	84.3	62.2	93.2
182	2.6	2.1	3.1





#58
 Fluorene
 Concen: 47.057 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

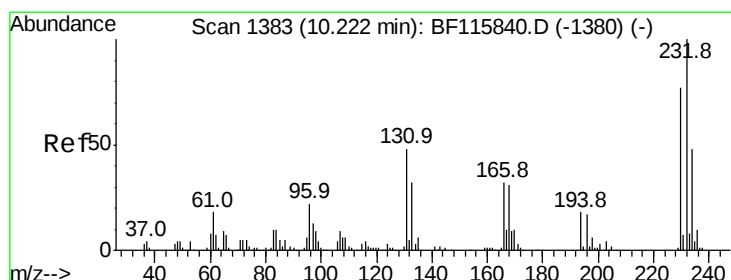
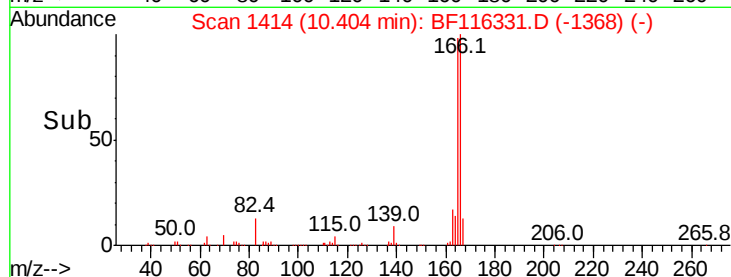
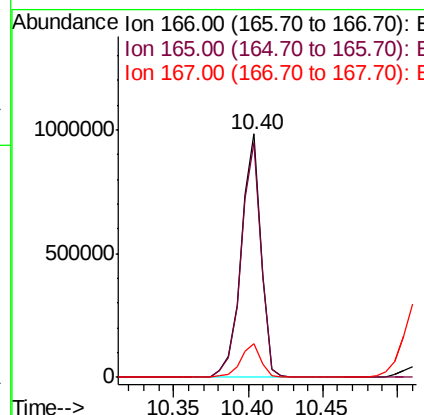
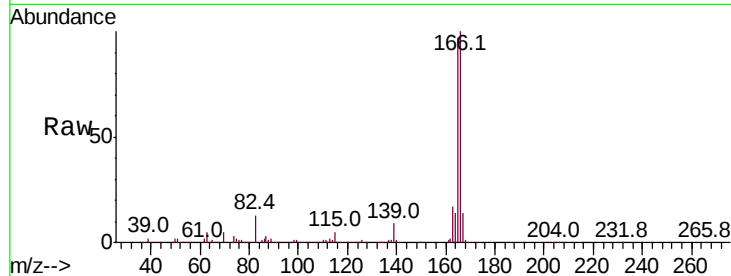
Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	907354		
165	96.6		78.4	117.6
167	13.6		11.0	16.4

Manual Integrations
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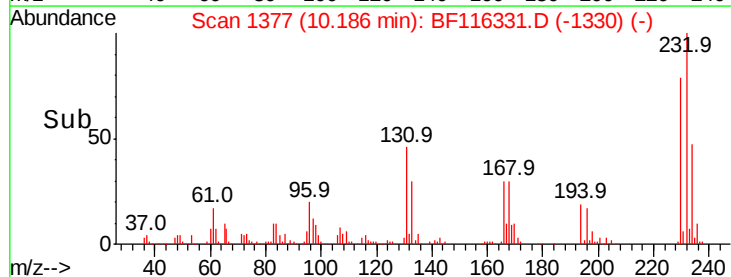
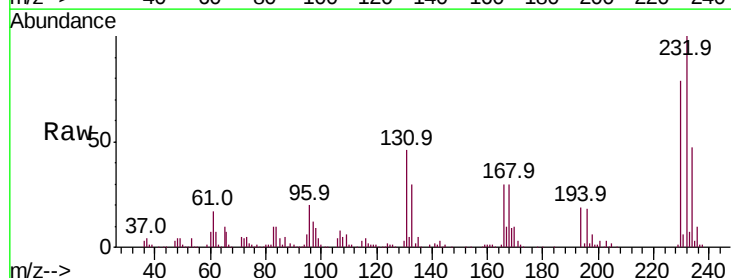
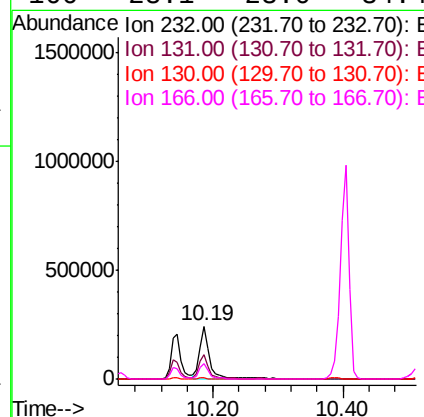
mohammad

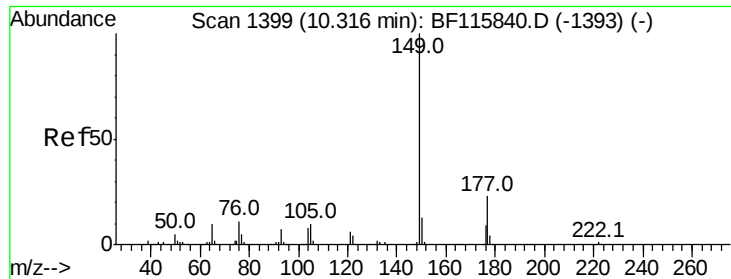
8/20/2019 8:36:56 AM



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.160 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	257793		
131	42.7		36.2	54.2
130	2.5		1.9	2.9
166	28.1		23.0	34.4





#60
Diethylphthalate
Concen: 46.383 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

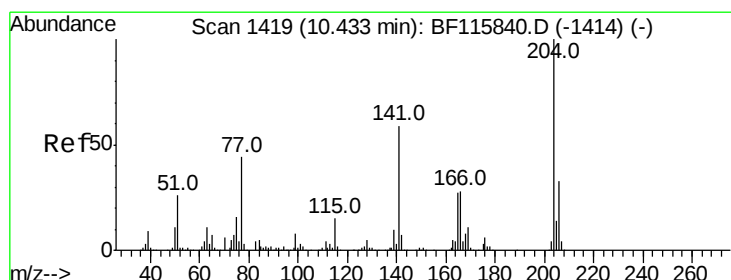
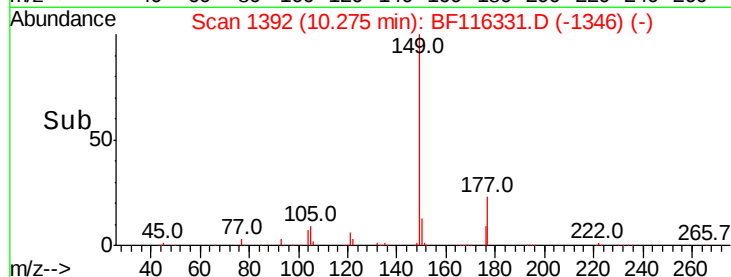
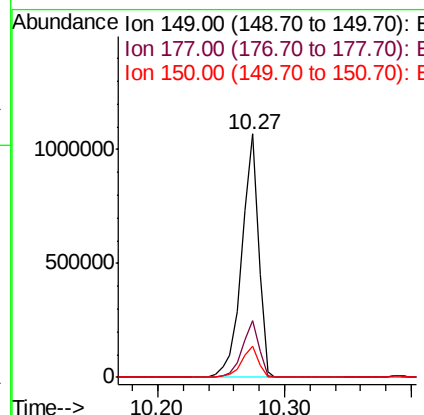
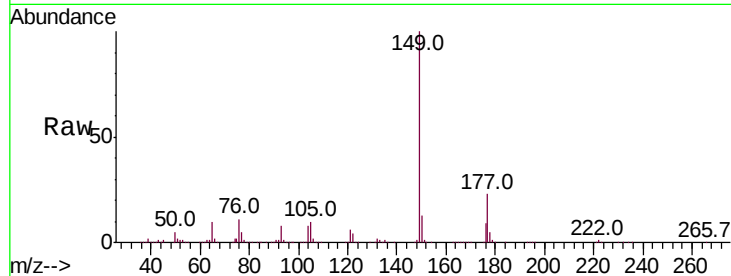
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	966205		
177	23.3	18.8	28.2	
150	13.0	10.2	15.4	

Manual Integrations
APPROVED

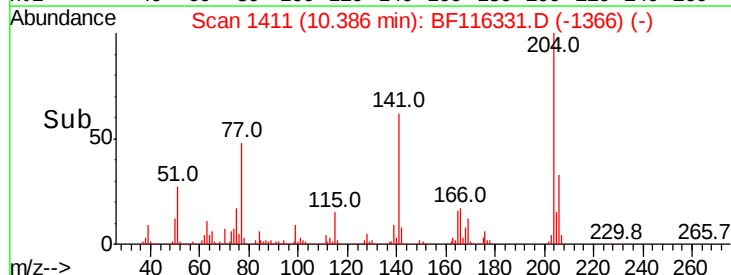
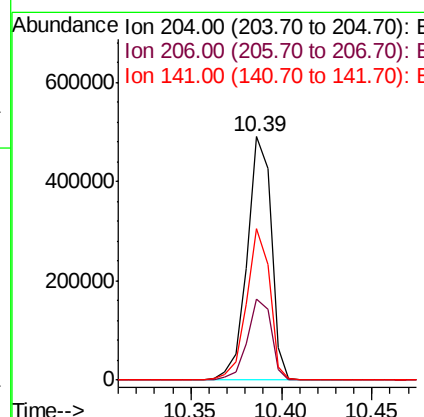
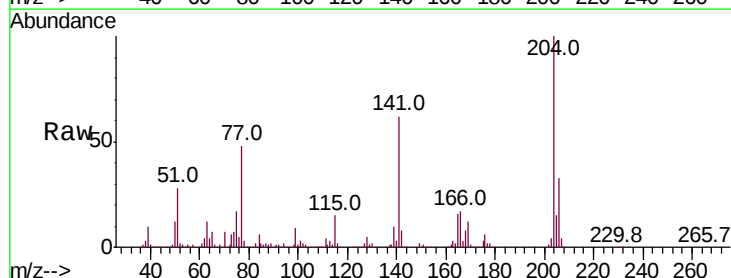
mohammad

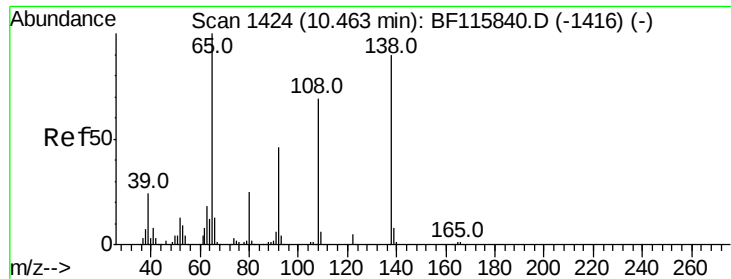
8/20/2019 8:36:56 AM



#61
4-Chlorophenyl-phenylether
Concen: 46.453 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	453634		
206	33.4	26.4	39.6	
141	62.0	46.4	69.6	





#62
4-Nitroaniline
Concen: 31.819 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

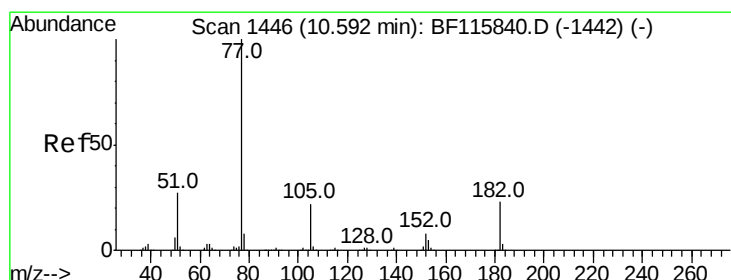
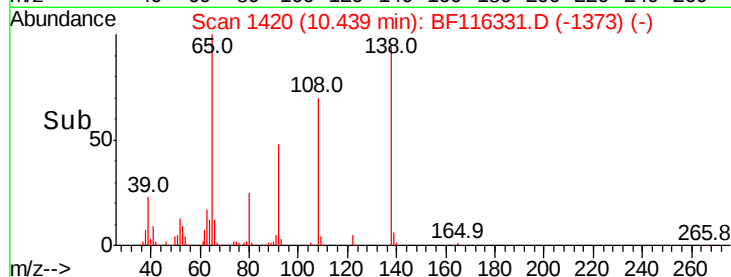
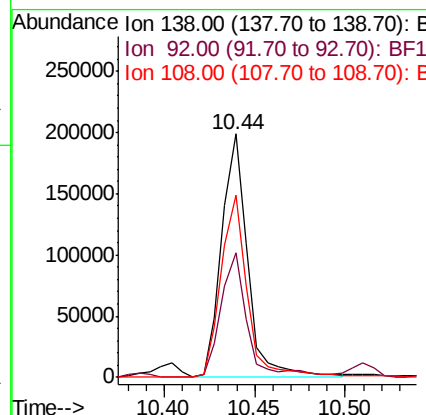
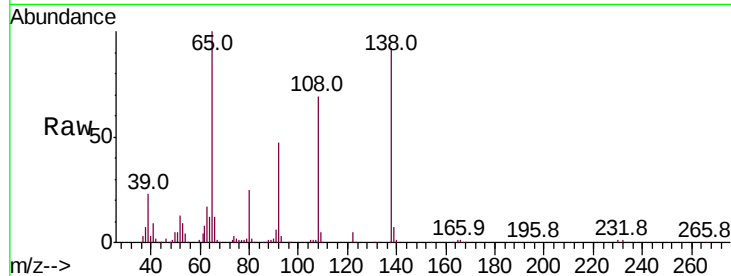
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.1	29.0	69.0
108	75.0	54.7	94.7

Manual Integrations
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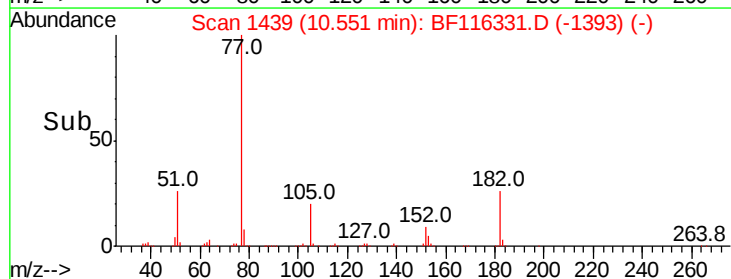
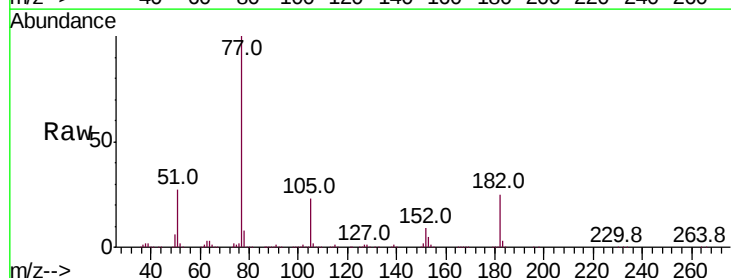
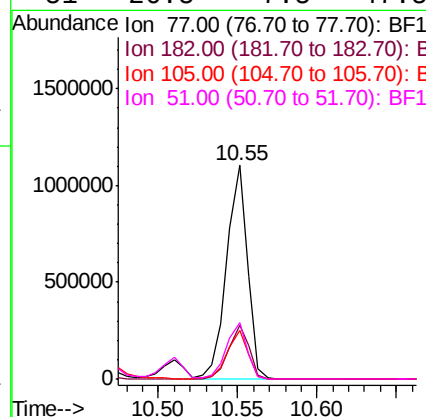
mohammad

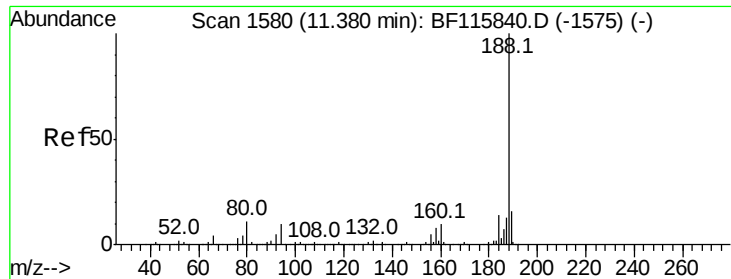
8/20/2019 8:36:56 AM



#63
Azobenzene
Concen: 46.944 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.0	44.0
105	22.9	2.0	42.0
51	26.5	7.5	47.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

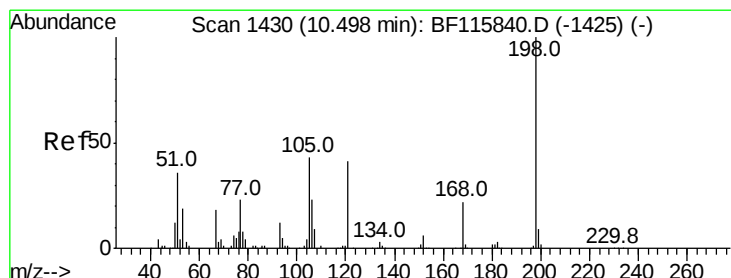
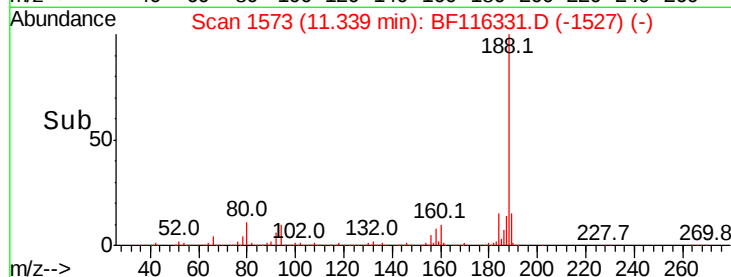
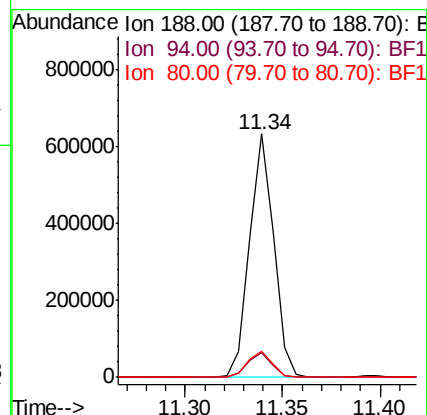
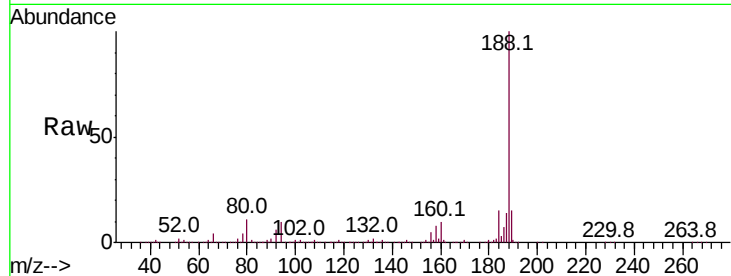
1S-I-(0-1)-COMPMSD

Tot Ion:	188	Resp:	546366
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.1	12.1
80	10.7	8.7	13.1

Manual Integrations
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#65

4,6-Dinitro-2-methylphenol

Concen: 50.688 ng

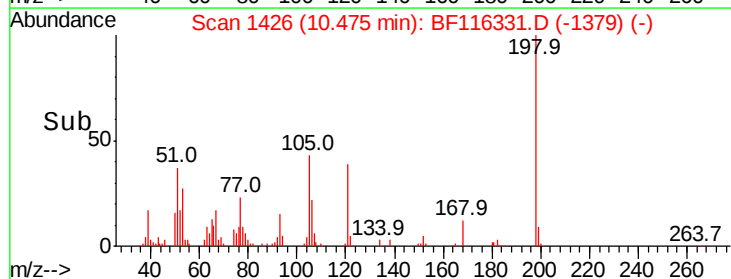
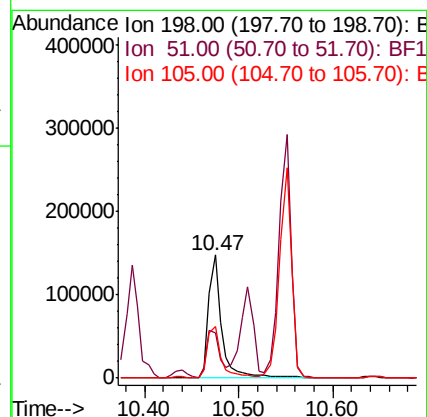
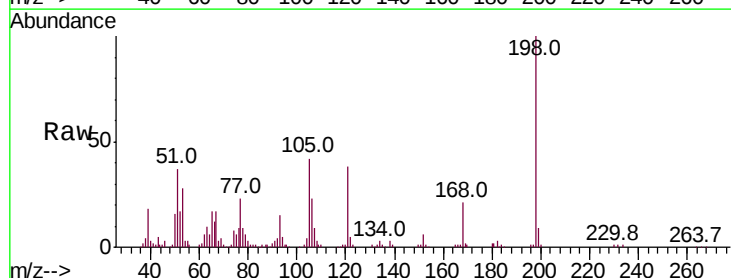
RT: 10.47 min Scan# 1426

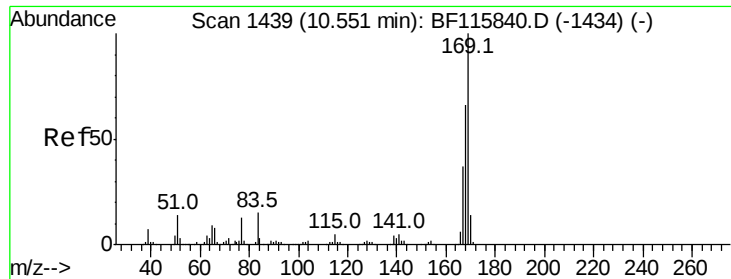
Delta R.T. -0.02 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion:	198	Resp:	146762
Ion Ratio	Lower	Upper	
198	100		
51	36.7	17.0	57.0
105	42.3	21.6	61.6





#66
n-Nitrosodiphenylamine
Concen: 47.629 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

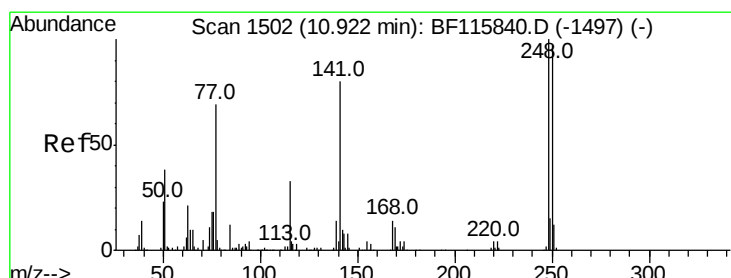
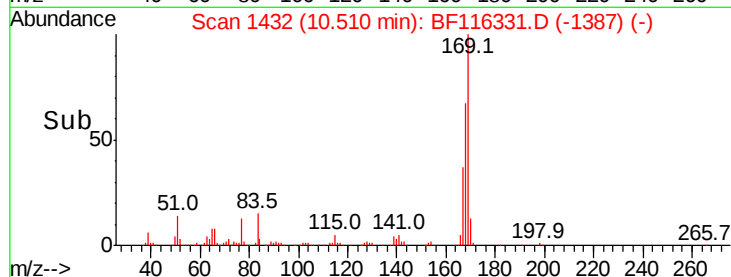
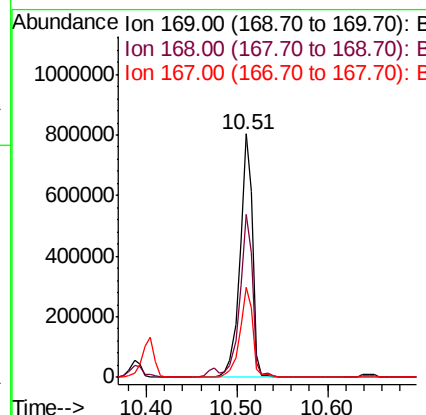
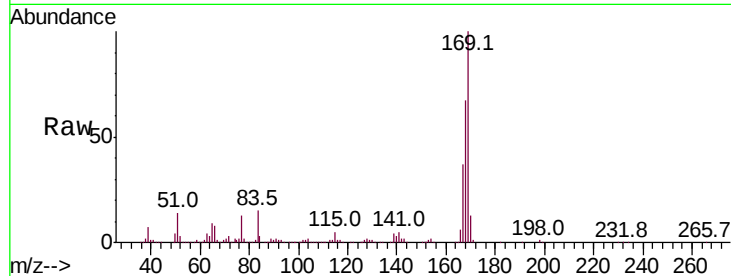
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.8	80.6
167	37.0	29.6	44.4

Manual Integrations
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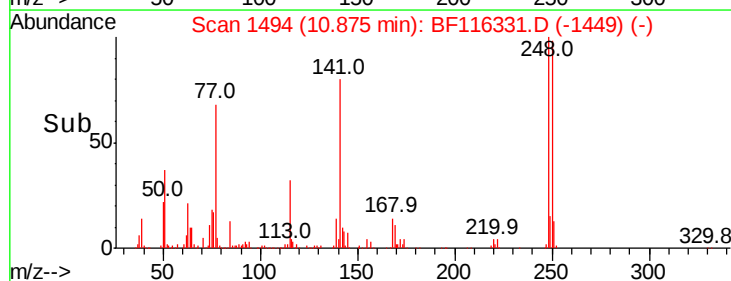
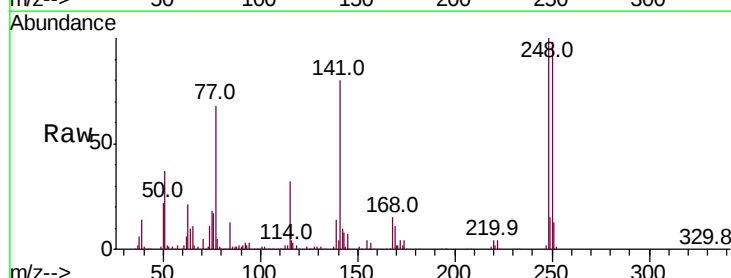
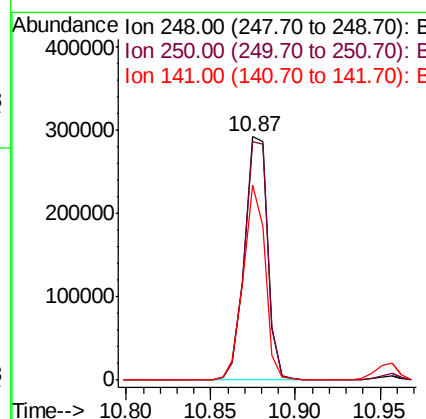
mohammad

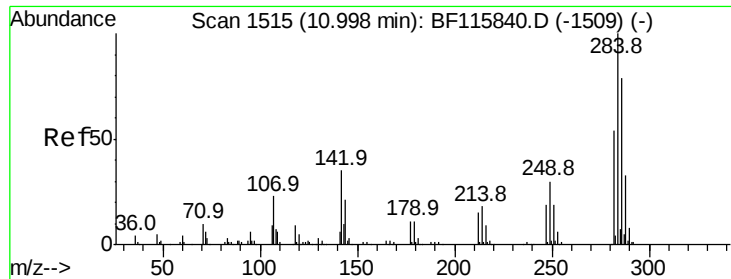
8/20/2019 8:36:56 AM



#67
4-Bromophenyl-phenylether
Concen: 48.043 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.2
141	80.2	56.8	85.2





#68
Hexachlorobenzene
Concen: 46.226 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

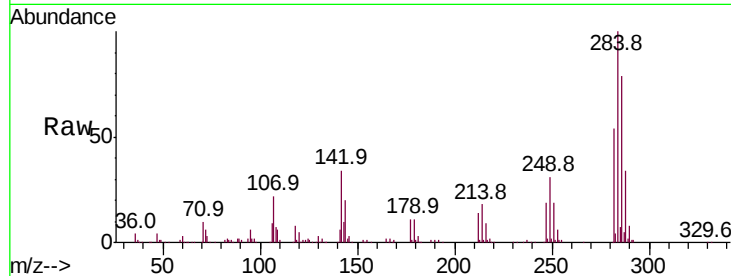
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	33.5	28.4	42.6	
249	30.9	24.5	36.7	

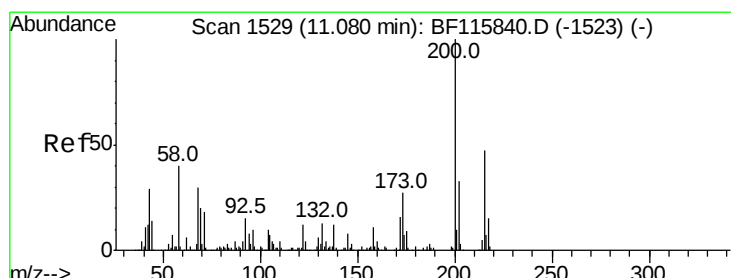
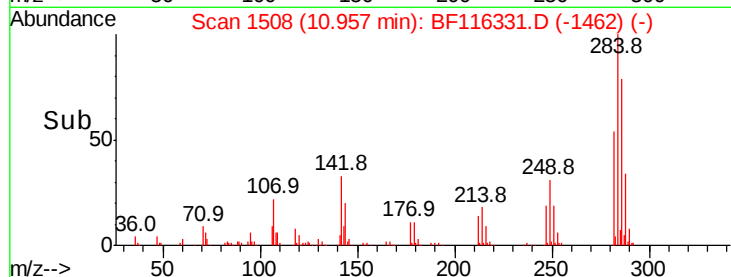
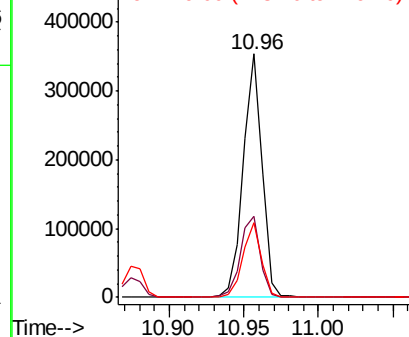
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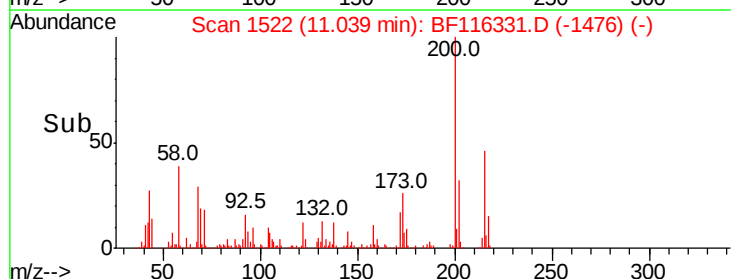
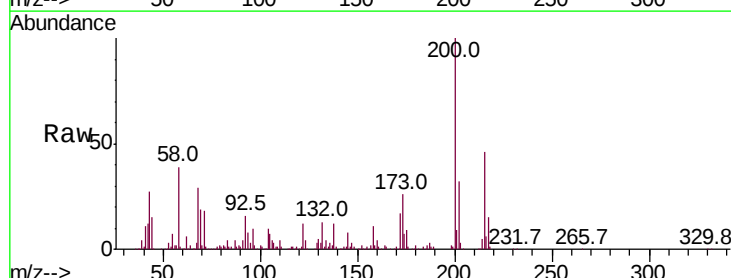
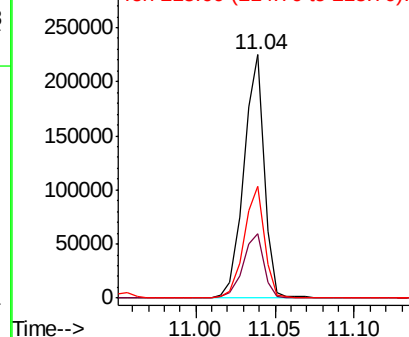
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

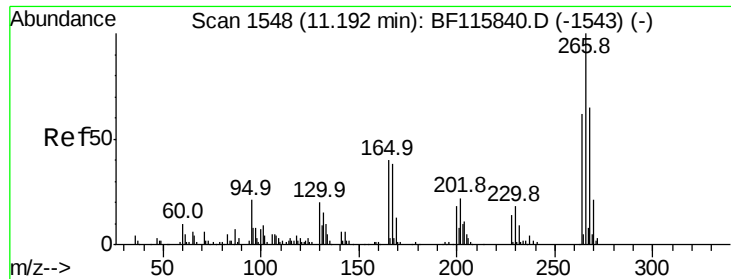


#69
Atrazine
Concen: 37.091 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	26.3	6.8	46.8	
215	46.0	27.5	67.5	

Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#70
 Pentachlorophenol
 Concen: 81.627 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

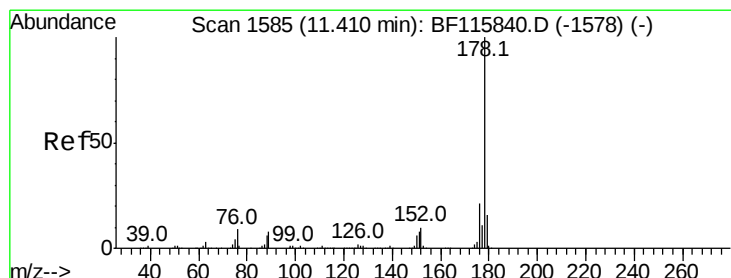
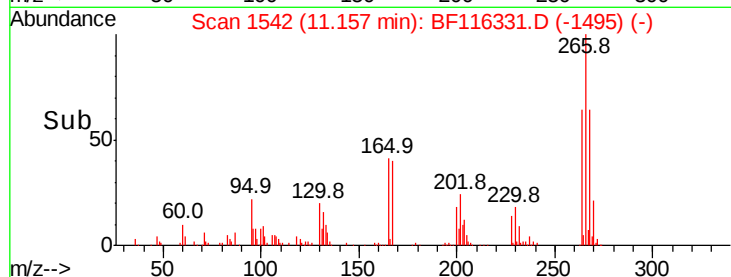
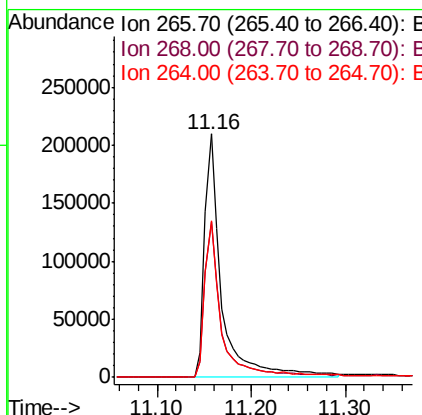
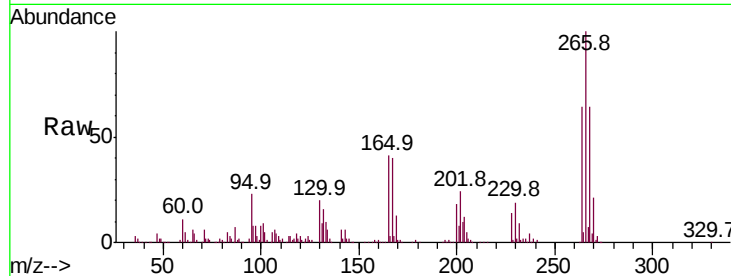
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	268026		
268	63.8		48.8	73.2
264	64.1		50.6	76.0

Manual Integrations
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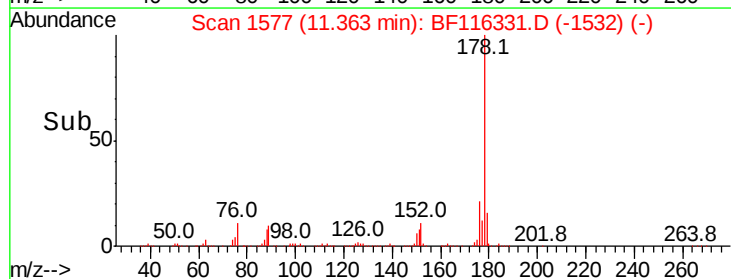
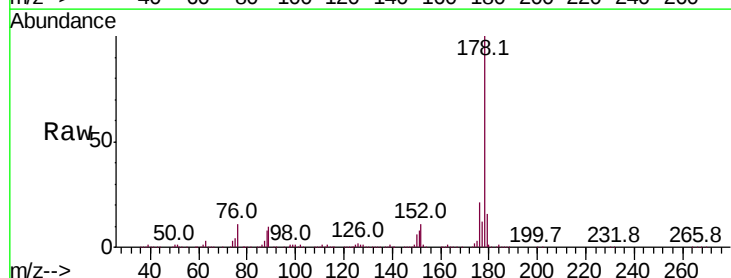
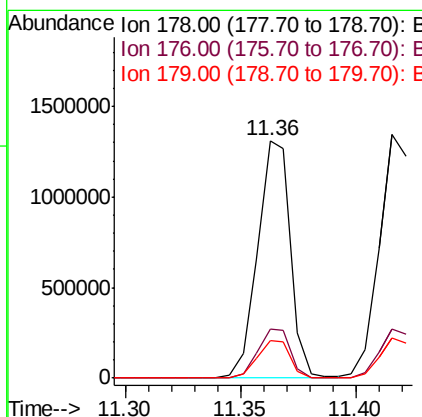
mohammad

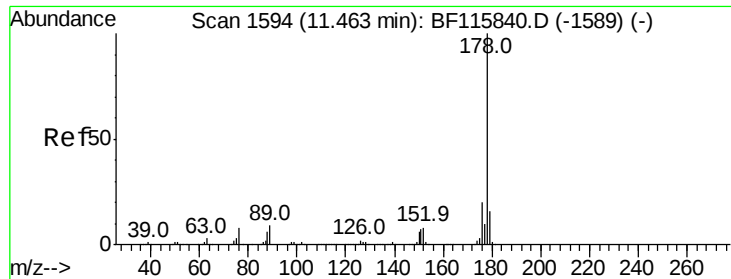
8/20/2019 8:36:56 AM



#71
 Phenanthrene
 Concen: 46.575 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.04 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1300917		
176	20.6		16.6	24.8
179	15.9		12.5	18.7





#72
 Anthracene
 Concen: 48.071 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

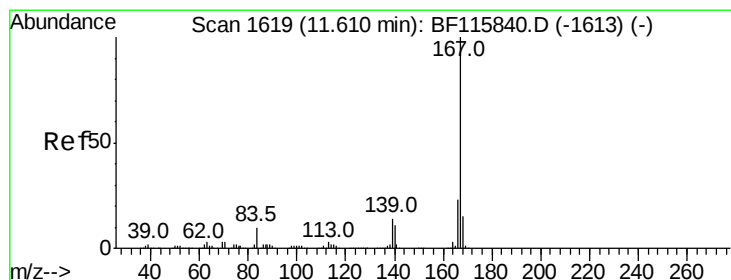
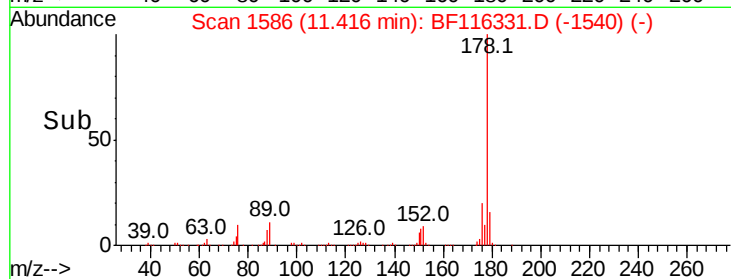
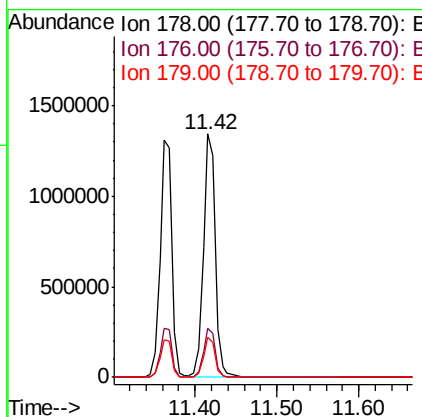
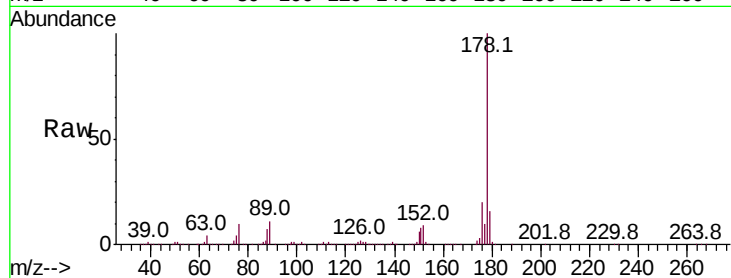
Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.7	23.5
179	16.3	13.0	19.6

Manual Integrations
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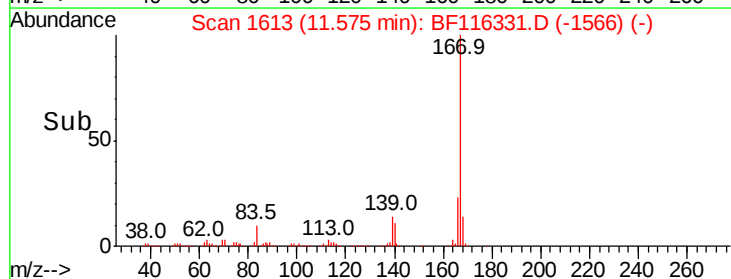
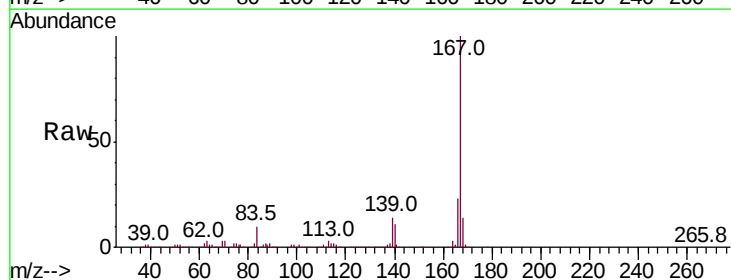
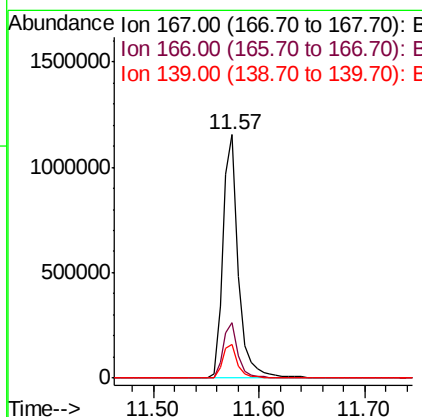
mohammad

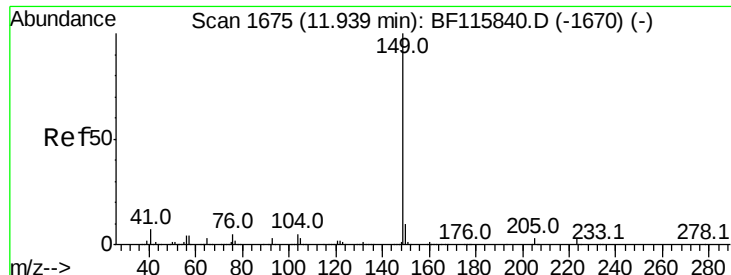
8/20/2019 8:36:56 AM



#73
 Carbazole
 Concen: 46.104 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.8	26.6
139	14.0	11.4	17.0





#74
Di-n-butylphthalate
Concen: 49.177 ng
RT: 11.89 min Scan# 1667
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

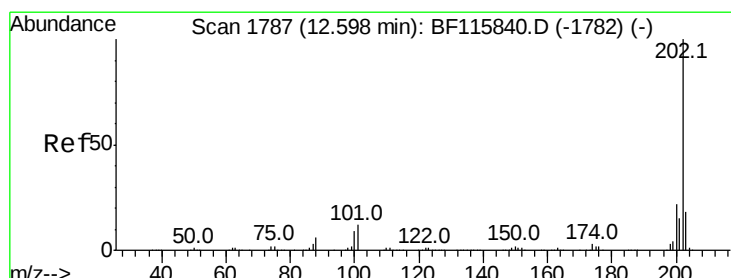
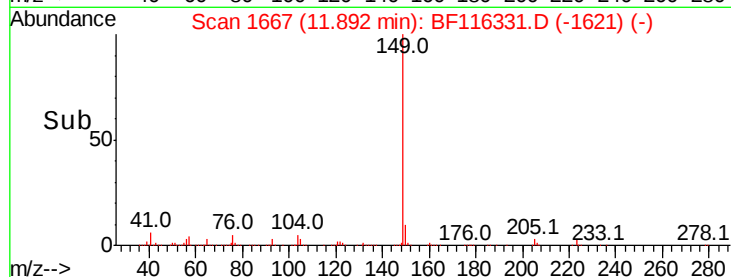
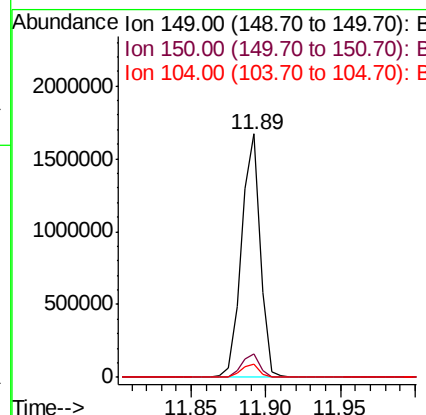
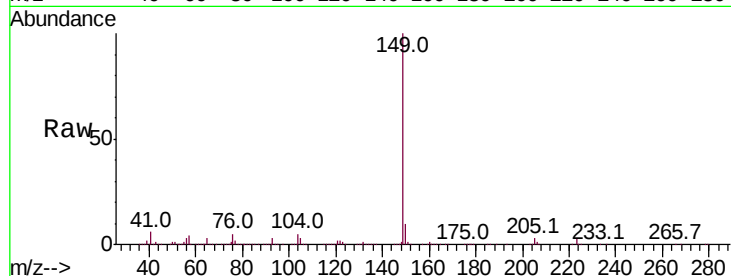
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.0	12.0
104	5.2	4.5	6.7

Manual Integrations
APPROVED

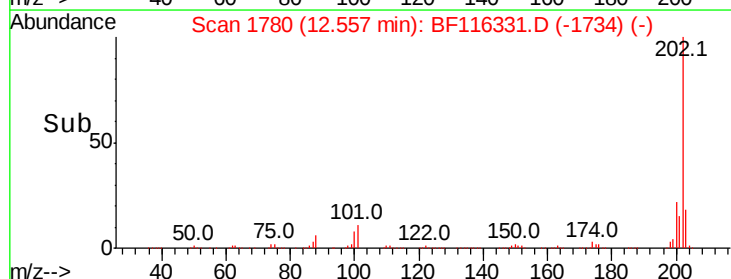
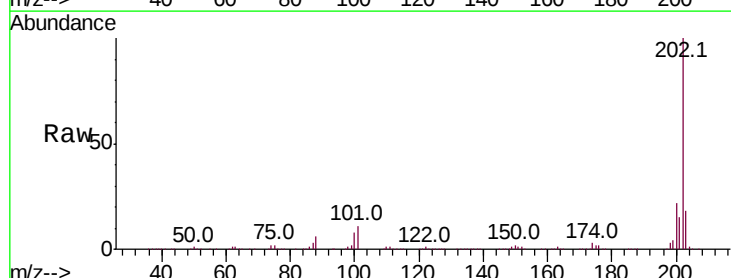
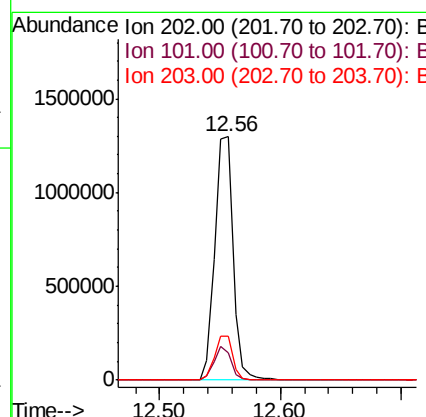
mohammad

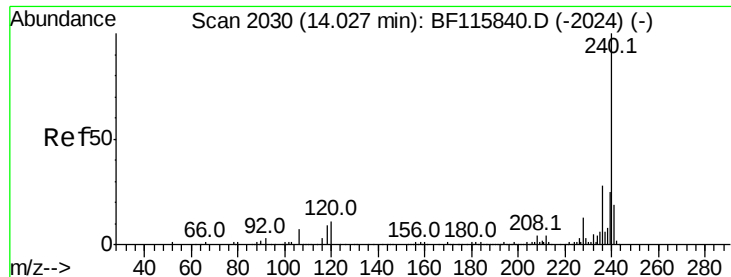
8/20/2019 8:36:56 AM



#75
Fluoranthene
Concen: 46.337 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.2
203	17.9	0.0	37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

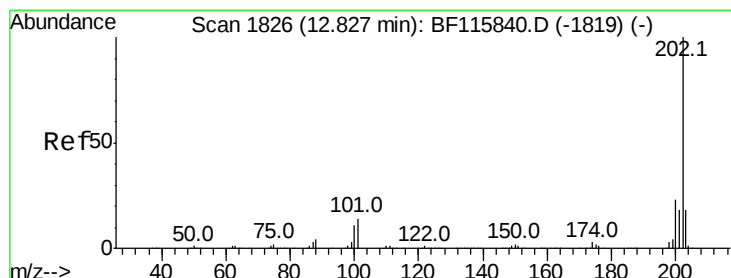
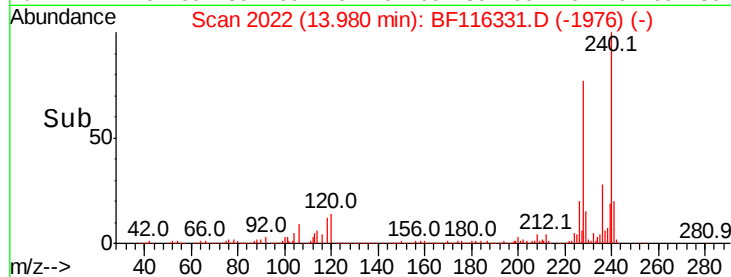
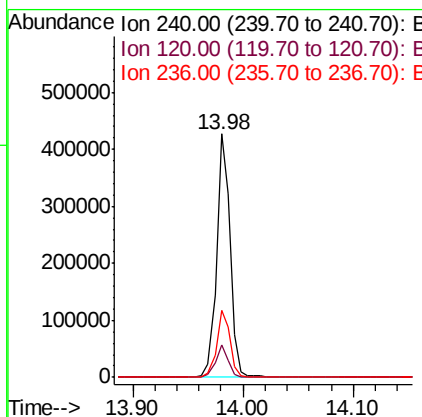
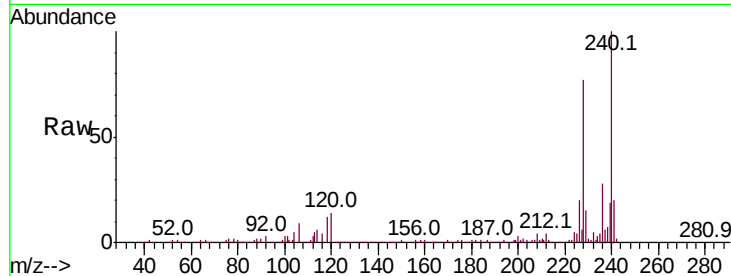
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.7	16.1
236	27.7	22.2	33.2

Manual Integrations
APPROVED

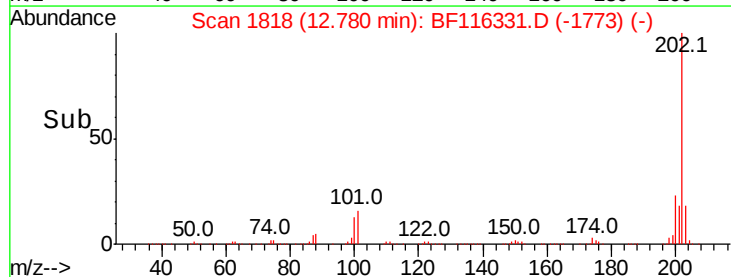
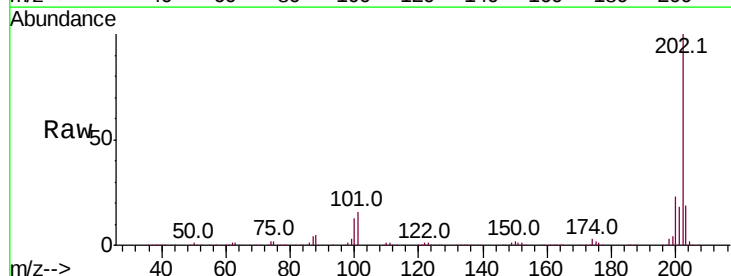
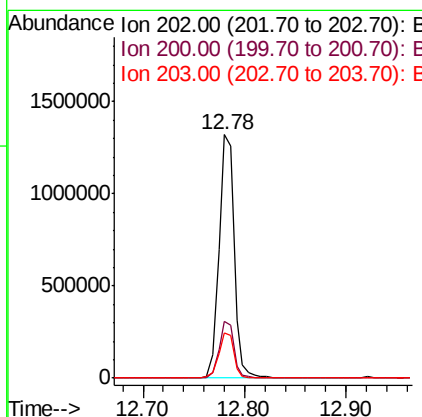
mohammad

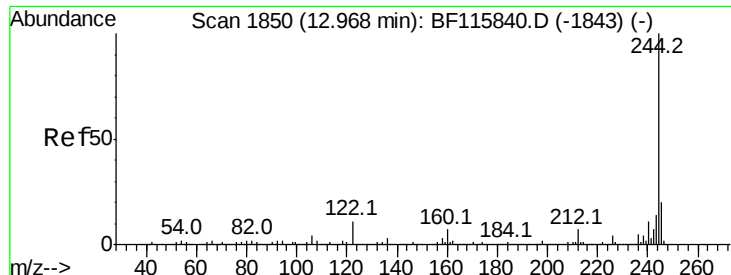
8/20/2019 8:36:56 AM



#78
Pyrene
Concen: 50.530 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	18.0	27.0
203	18.6	14.1	21.1





#79

Terphenyl-d14

Concen: 102.731 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

1S-I(0-1)-COMPMSD

Tot Ion:244 Resp: 1754699

Ion Ratio Lower Upper

244 100

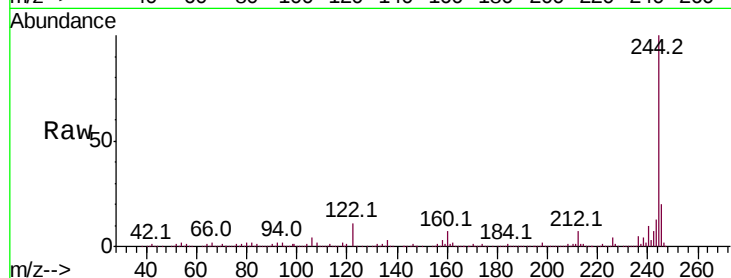
212 7.1 5.8 8.8

122 10.7 9.0 13.4

Manual Integrations
APPROVED

mohammad

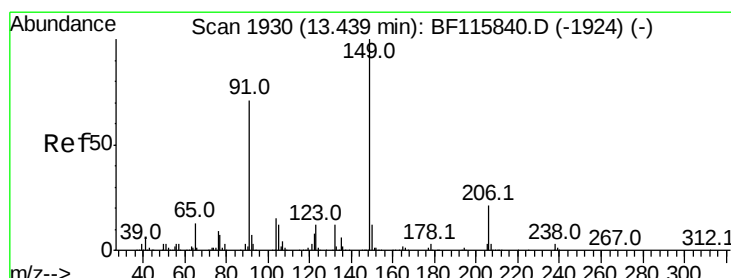
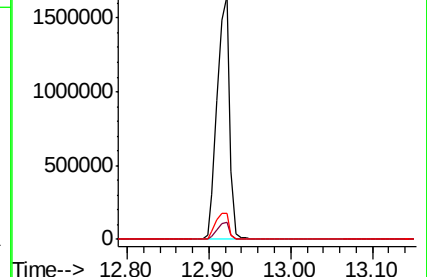
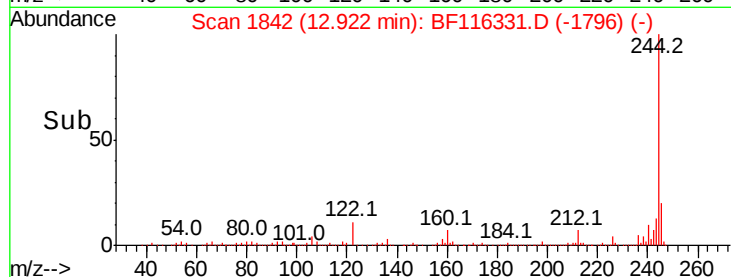
8/20/2019 8:36:56 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 52.596 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.04 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

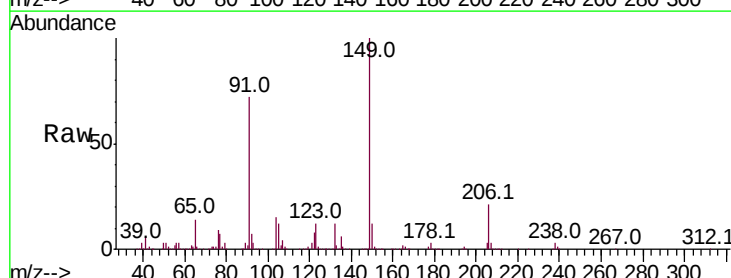
Tgt Ion:149 Resp: 603620

Ion Ratio Lower Upper

149 100

91 71.8 56.3 84.5

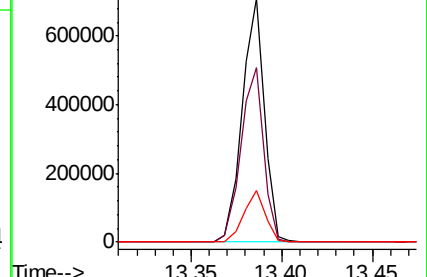
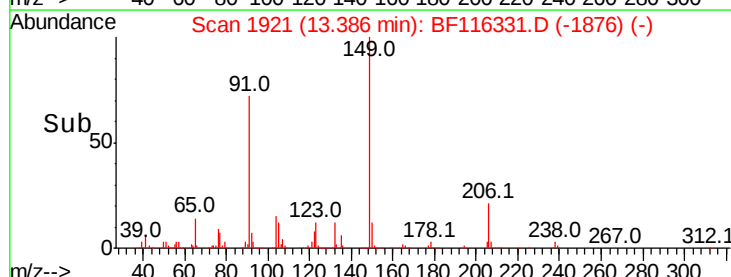
206 21.4 18.0 27.0

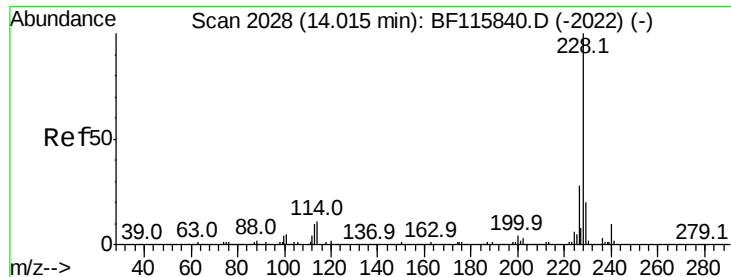


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 48.235 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Instrument :

BNA_F

ClientSampleId :

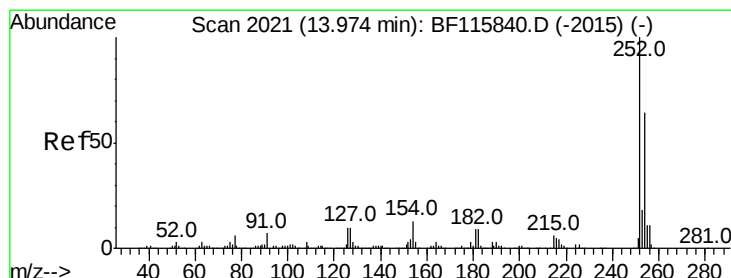
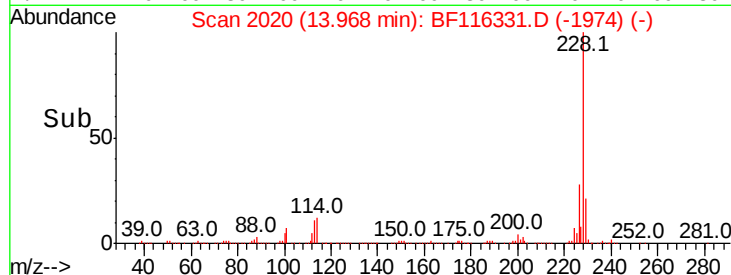
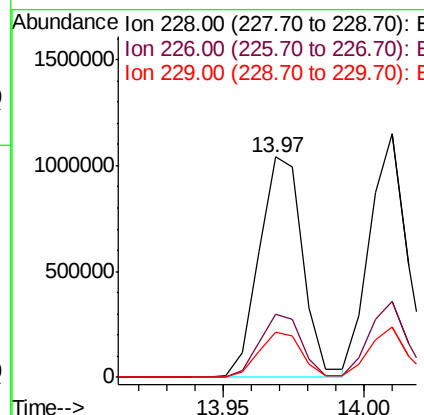
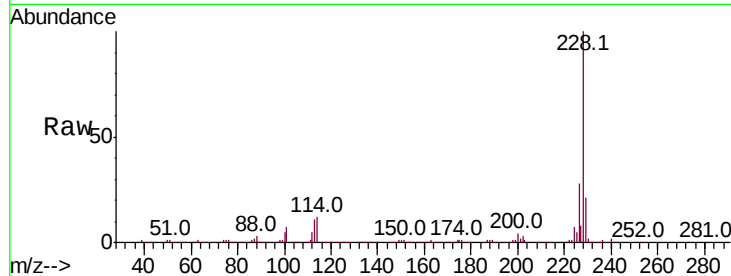
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	20.7	16.2	24.4

Manual Integrations
APPROVED

mohammad

8/20/2019 8:36:56 AM



#82

3,3'-Dichlorobenzidine

Concen: 11.693 ng

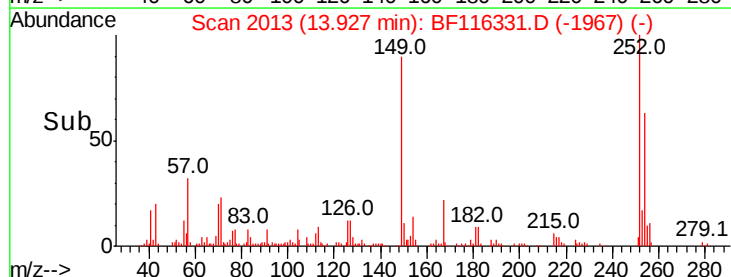
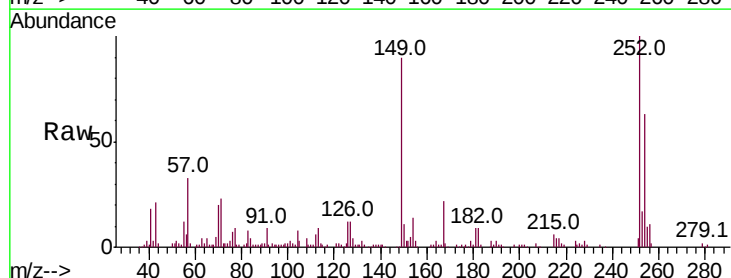
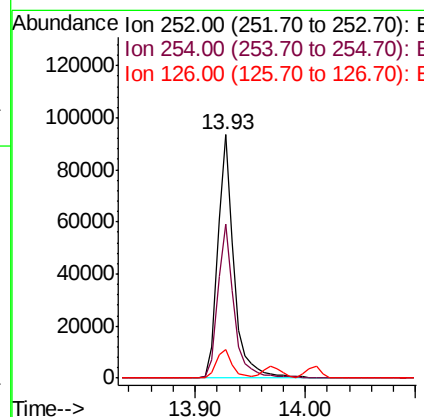
RT: 13.93 min Scan# 2013

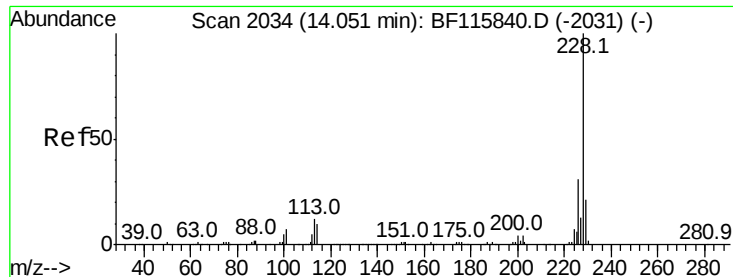
Delta R.T. -0.03 min

Lab File: BF116331.D

Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.9	76.3
126	11.6	9.8	14.8





#83
 Chrysene
 Concen: 47.862 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.03 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

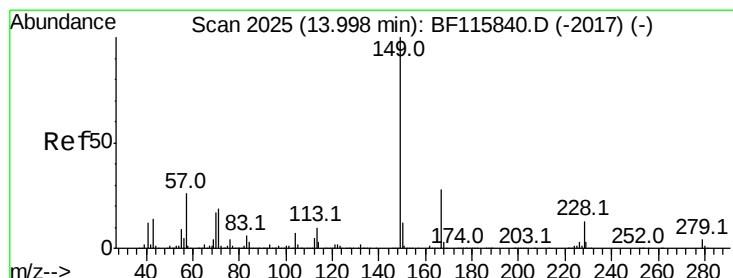
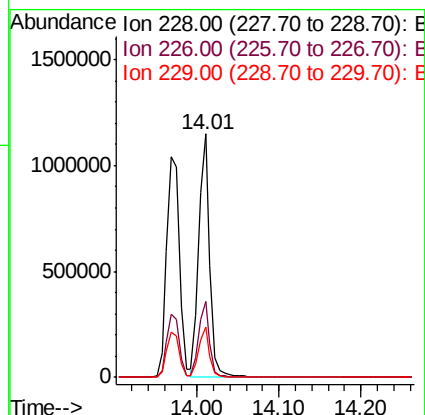
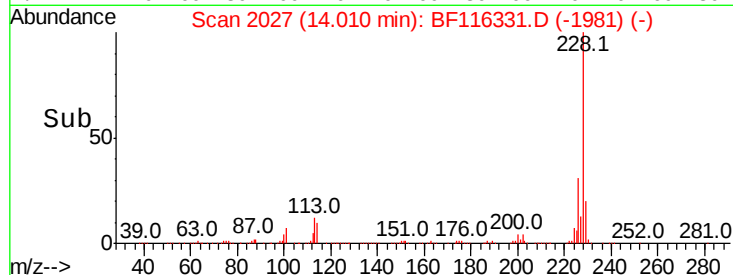
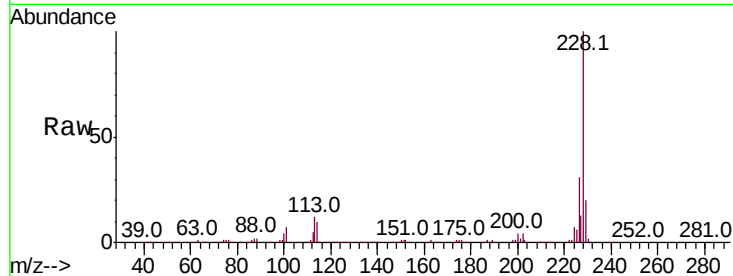
Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMPMSD

Tot Ion:	228	Resp:	1068945
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	20.4	16.6	24.8

Manual Integrations
 APPROVED

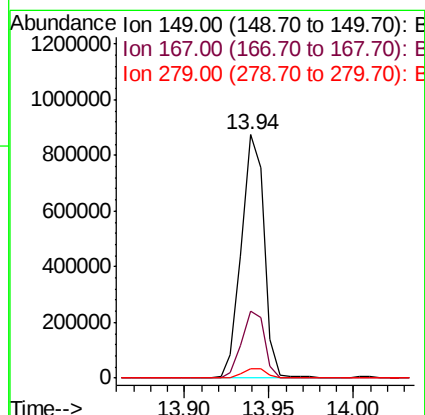
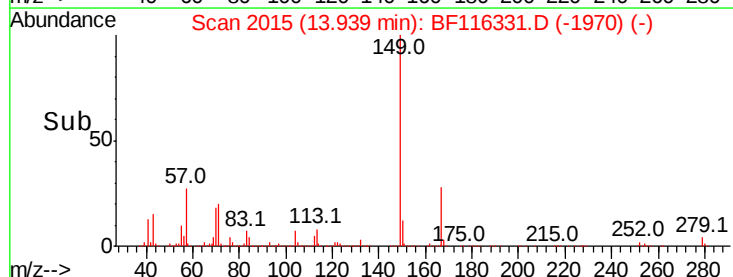
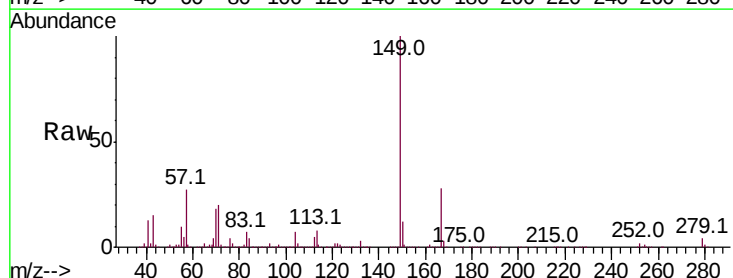
mohammad

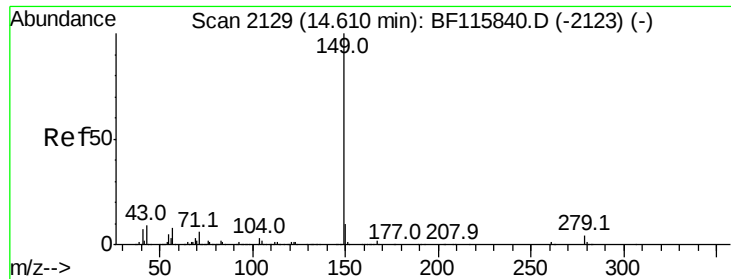
8/20/2019 8:36:56 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 55.113 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.04 min
 Lab File: BF116331.D
 Acq: 16 Aug 2019 21:27

Tgt Ion:	149	Resp:	821933
Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.6	32.4
279	3.7	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 54.345 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

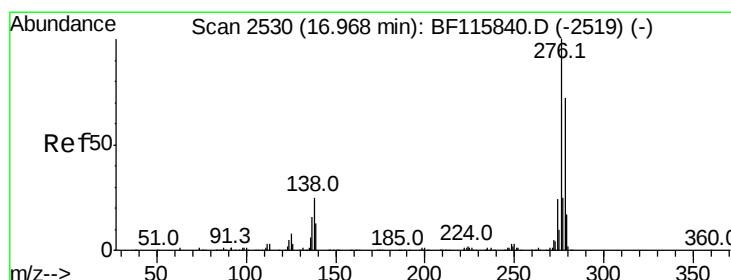
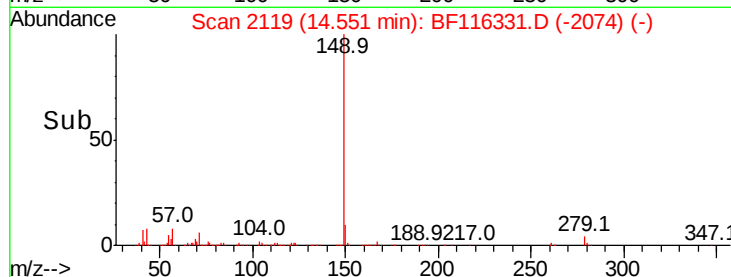
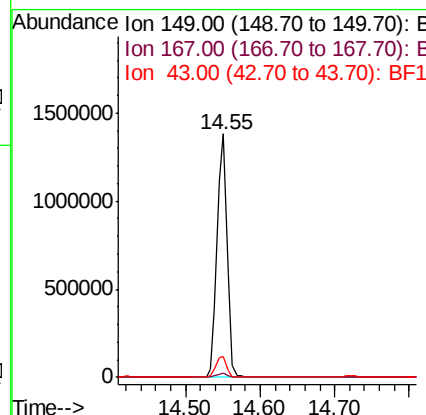
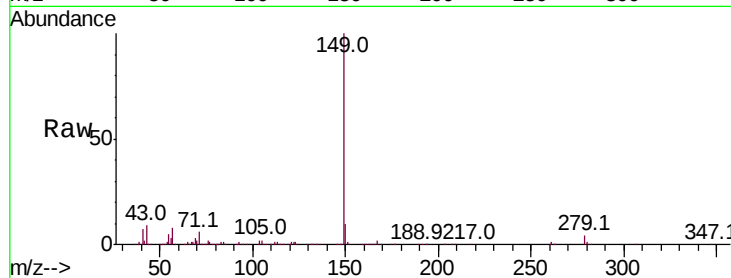
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	9.0	7.5	11.3

Manual Integrations
APPROVED

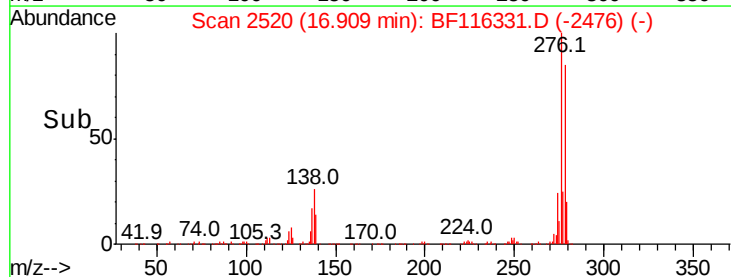
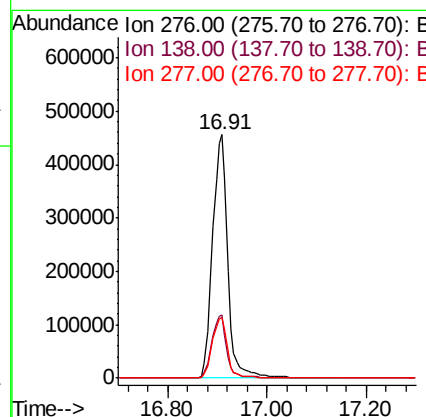
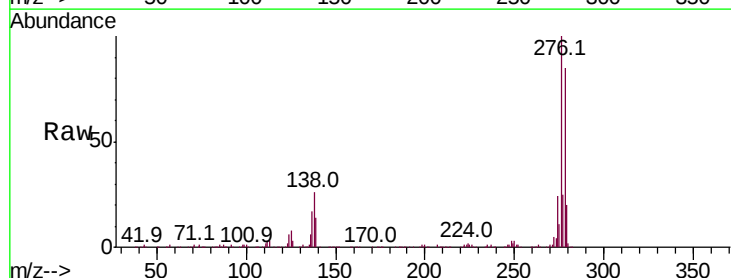
mohammad

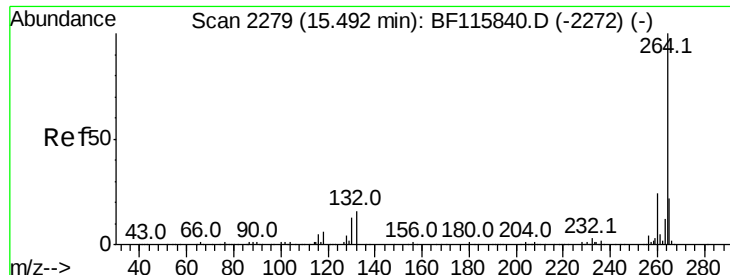
8/20/2019 8:36:56 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 51.740 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.4	30.6
277	25.2	20.0	30.0





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

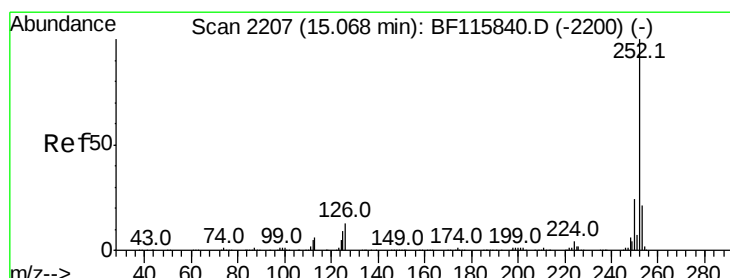
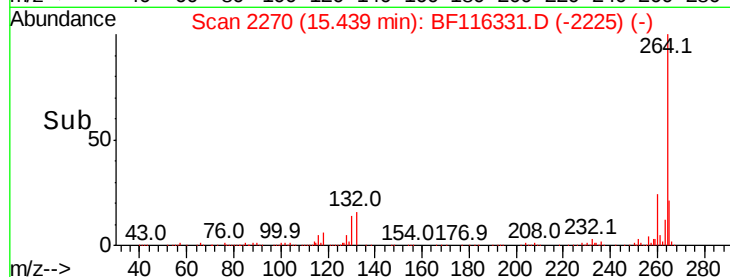
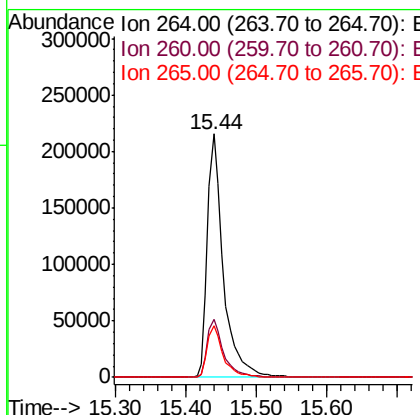
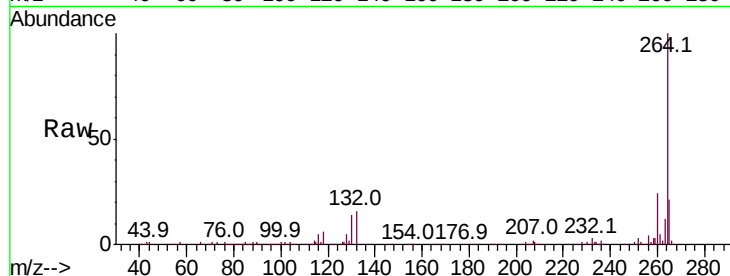
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.7	29.5
265	21.2	17.4	26.0

Manual Integrations
APPROVED

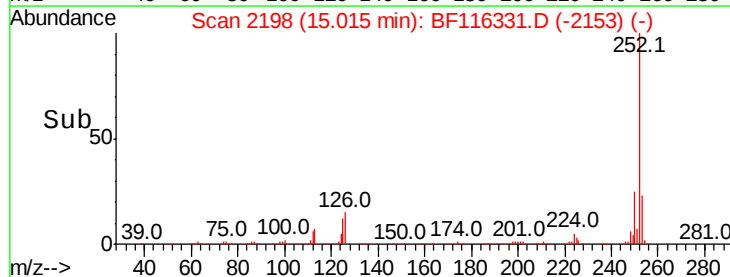
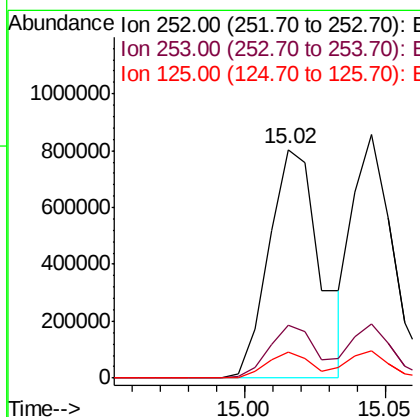
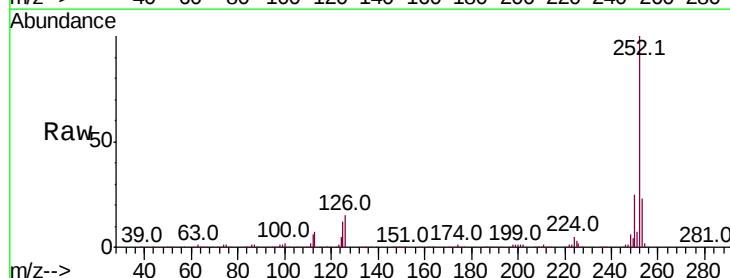
mohammad

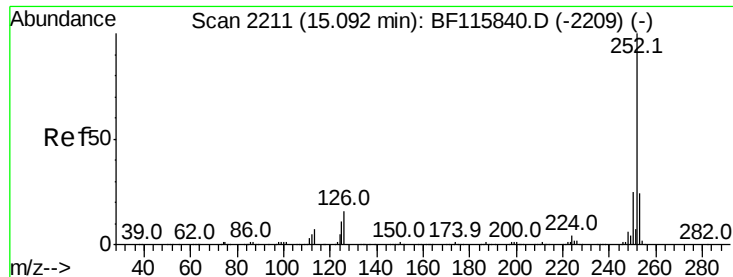
8/20/2019 8:36:56 AM



#88
Benzo(b)fluoranthene
Concen: 51.873 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	11.6	8.4	12.6





#89
Benzo(k)fluoranthene
Concen: 45.665 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

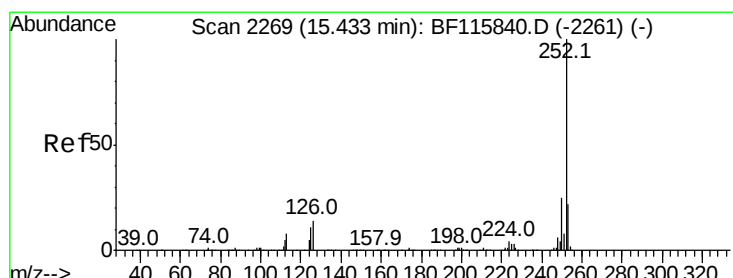
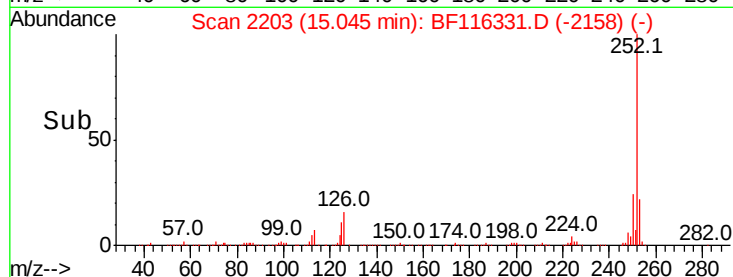
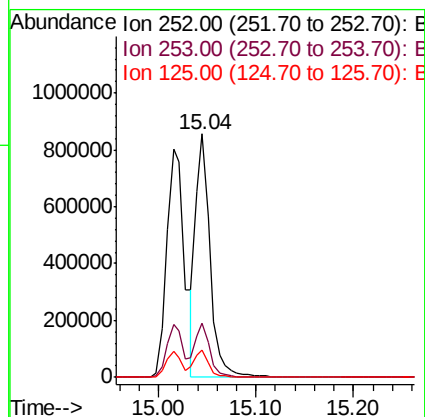
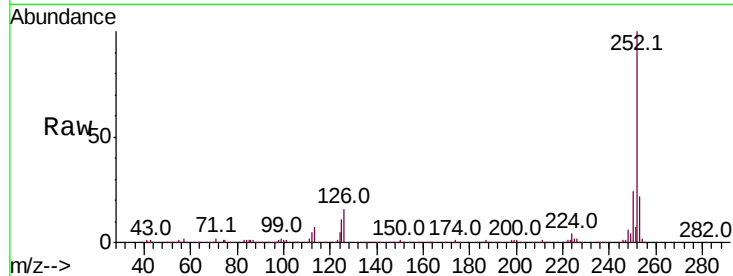
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.0	7.7	11.5

Manual Integrations
APPROVED

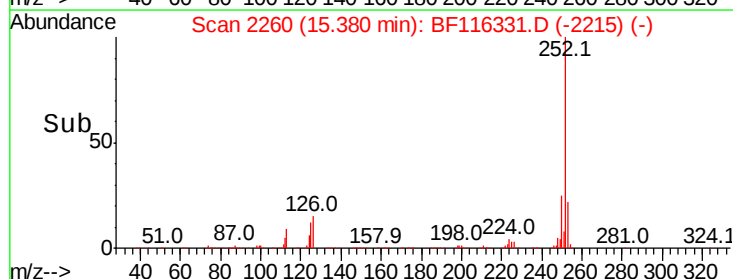
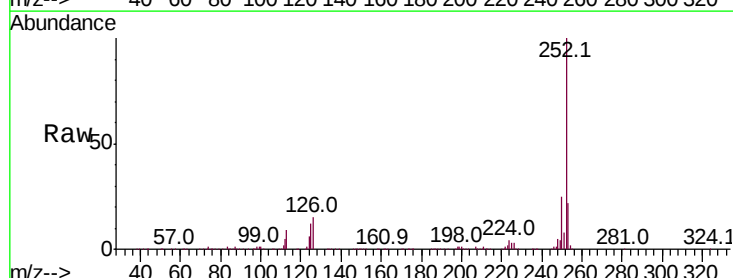
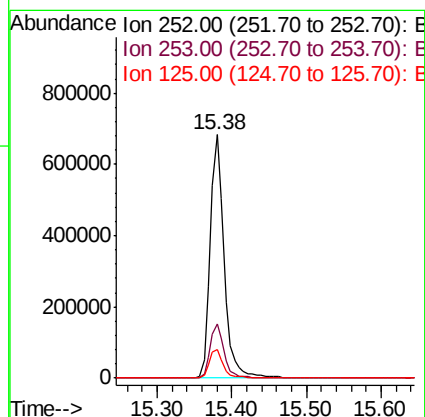
mohammad

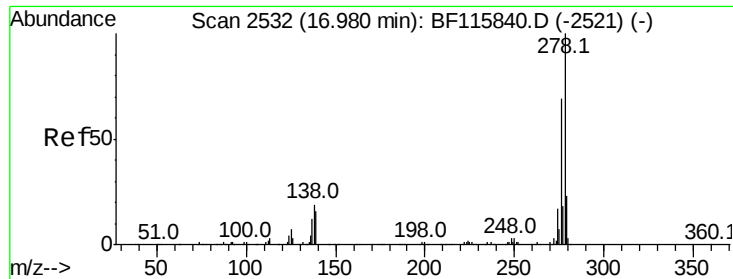
8/20/2019 8:36:56 AM



#90
Benzo(a)pyrene
Concen: 50.691 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.04 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	11.6	8.9	13.3





#91
Dibenzo(a,h)anthracene
Concen: 53.969 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

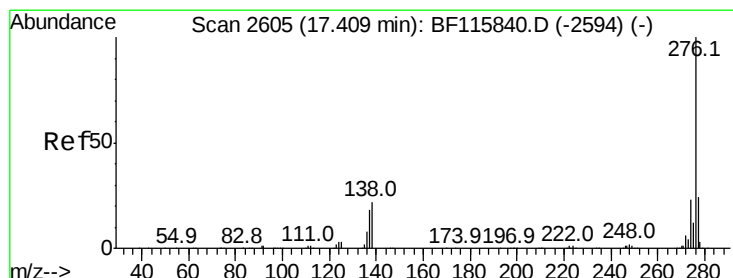
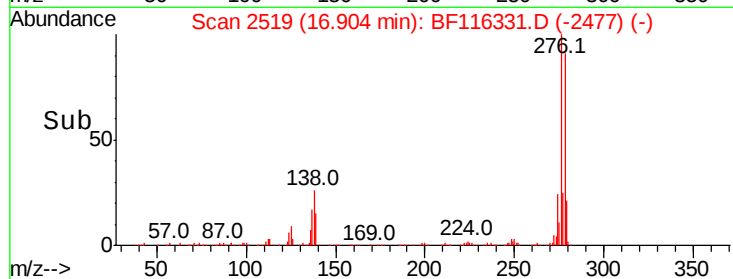
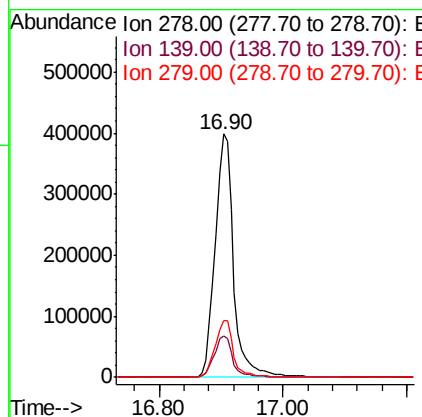
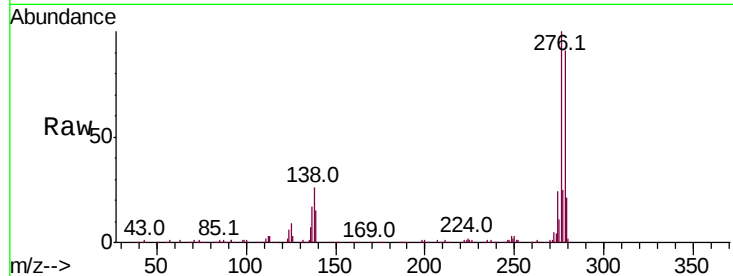
Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMPMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.8	19.2
279	23.4	18.8	28.2

Manual Integrations
APPROVED

mohammad

8/20/2019 8:36:56 AM



#92
Benzo(g,h,i)perylene
Concen: 54.644 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.05 min
Lab File: BF116331.D
Acq: 16 Aug 2019 21:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.4	27.6
138	22.9	17.0	25.6

