

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115604.D
 Acq On : 16 Jul 2019 18:24
 Operator : HP/JU
 Sample : K3830-05MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873MS

Manual Integrations
 APPROVED

mohammad
 7/17/2019 12:06:28 PM

Quant Time: Jul 17 05:19:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	175308	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	700221	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	350948	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	616452	20.00	ng	0.00
76) Chrysene-d12	14.04	240	384905	20.00	ng	0.00
87) Perylene-d12	15.52	264	507680	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1380536	128.81	ng	0.01
7) Phenol-d6	6.52	99	1852173	136.20	ng	0.00
23) Nitrobenzene-d5	7.45	82	1204255	100.00	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	505228	123.33	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1917318	95.62	ng	0.00
79) Terphenyl-d14	12.99	244	1907040	91.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	204948	38.336	ng	98
3) Pyridine	3.48	79	533219	36.762	ng	99
4) n-Nitrosodimethylamine	3.42	42	224611	42.686	ng	98
6) Aniline	6.55	93	446559	23.596	ng	98
8) 2-Chlorophenol	6.67	128	544168	44.162	ng	97
9) Benzaldehyde	6.43	77	281718	33.150	ng	98
10) Phenol	6.53	94	675723	42.803	ng	85
11) bis(2-Chloroethyl)ether	6.62	93	541227	45.029	ng	100
12) 1,3-Dichlorobenzene	6.83	146	567281	40.947	ng	99
13) 1,4-Dichlorobenzene	6.90	146	579982	41.958	ng	96
14) 1,2-Dichlorobenzene	7.06	146	544400	43.083	ng	97
15) Benzyl Alcohol	7.02	79	493872	45.779	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	734320	46.405	ng	97
17) 2-Methylphenol	7.13	107	480071	45.208	ng	98
18) Hexachloroethane	7.40	117	213573	41.627	ng	93
19) n-Nitroso-di-n-propylamine	7.30	70	387977	43.744	ng	97
20) 3+4-Methylphenols	7.29	107	556282	44.102	ng	94
22) Acetophenone	7.29	105	745750	47.143	ng	# 96
24) Nitrobenzene	7.46	77	607433	46.766	ng	96
25) Isophorone	7.70	82	1119315	46.451	ng	100
26) 2-Nitrophenol	7.78	139	309323	46.268	ng	99
27) 2,4-Dimethylphenol	7.82	122	500948	50.079	ng	99
28) bis(2-Chloroethoxy)methane	7.91	93	677986	45.863	ng	98
29) 2,4-Dichlorophenol	8.02	162	484817	46.603	ng	99
30) 1,2,4-Trichlorobenzene	8.11	180	520678	44.277	ng	98
31) Naphthalene	8.19	128	1558118	45.946	ng	97
32) Benzoic acid	7.87	122	24452	2.979	ng	91
33) 4-Chloroaniline	8.23	127	223304	14.866	ng	98
34) Hexachlorobutadiene	8.31	225	290421	43.066	ng	99
35) Caprolactam	8.60	113	161460m	50.225	ng	
36) 4-Chloro-3-methylphenol	8.72	107	528895	49.011	ng	100
37) 2-Methylnaphthalene	8.88	142	1064779	47.367	ng	97
38) 1-Methylnaphthalene	8.98	142	988484	46.296	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	492154	46.569	ng	98

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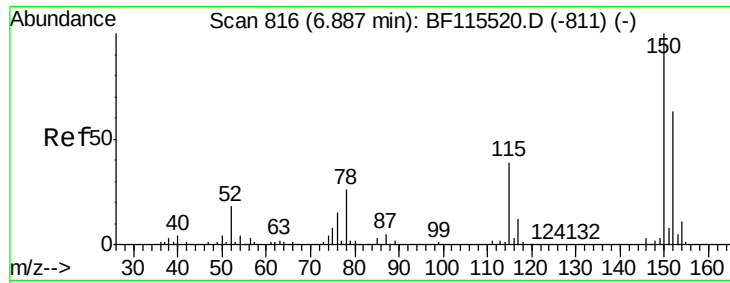
Manual Integrations
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Quant Time: Jul 17 05:19:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	292466	48.513	ng	98
43) 2,4,6-Trichlorophenol	9.16	196	346510	44.835	ng	99
44) 2,4,5-Trichlorophenol	9.20	196	363082	45.874	ng	97
46) 1,1'-Biphenyl	9.35	154	1231803	44.896	ng	99
47) 2-Chloronaphthalene	9.37	162	990689	43.365	ng	98
48) 2-Nitroaniline	9.46	65	318759	45.080	ng	96
49) Acenaphthylene	9.79	152	1617508	47.783	ng	99
50) Dimethylphthalate	9.65	163	1591062	60.258	ng	100
51) 2,6-Dinitrotoluene	9.70	165	288625	48.100	ng	99
52) Acenaphthene	9.96	154	965493	44.178	ng	98
53) 3-Nitroaniline	9.87	138	208786	30.448	ng	100
54) 2,4-Dinitrophenol	9.97	184	60020	19.482	ng	94
55) Dibenzofuran	10.13	168	1377461	44.382	ng	99
56) 4-Nitrophenol	10.03	139	459283	87.835	ng	98
57) 2,4-Dinitrotoluene	10.11	165	375721	48.330	ng	# 87
58) Fluorene	10.47	166	972826	43.846	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.25	232	299380	45.249	ng	99
60) Diethylphthalate	10.35	149	1117241	45.160	ng	99
61) 4-Chlorophenyl-phenylether	10.46	204	499810	40.621	ng	99
62) 4-Nitroaniline	10.49	138	268067	40.755	ng	100
63) Azobenzene	10.62	77	1075845	44.833	ng	98
65) 4,6-Dinitro-2-methylphenol	10.52	198	92687	24.609	ng	96
66) n-Nitrosodiphenylamine	10.58	169	952813	49.689	ng	99
67) 4-Bromophenyl-phenylether	10.95	248	339671	48.217	ng	98
68) Hexachlorobenzene	11.02	284	365653	45.451	ng	# 91
69) Atrazine	11.10	200	320656	50.973	ng	98
70) Pentachlorophenol	11.22	266	359900	73.144	ng	99
71) Phenanthrene	11.43	178	1684323	53.303	ng	98
72) Anthracene	11.49	178	1496325	45.821	ng	100
73) Carbazole	11.63	167	1381096	48.228	ng	100
74) Di-n-butylphthalate	11.97	149	1677120	47.545	ng	99
75) Fluoranthene	12.62	202	1786054	53.488	ng	98
77) Benzidine	12.73	184	570245	41.821	ng	100
78) Pyrene	12.85	202	1755087	53.820	ng	98
80) Butylbenzylphthalate	13.46	149	604523	43.485	ng	99
81) Benzo(a)anthracene	14.03	228	1308516	51.602	ng	99
82) 3,3'-Dichlorobenzidine	13.99	252	339472	37.658	ng	97
83) Chrysene	14.07	228	1439722	56.558	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	813638	47.250	ng	98
85) Di-n-octyl phthalate	14.63	149	1471853	53.721	ng	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	1357597	62.774	ng	99
88) Benzo(b)fluoranthene	15.09	252	1685194	51.550	ng	99
89) Benzo(k)fluoranthene	15.12	252	1335829	45.833	ng	99
90) Benzo(a)pyrene	15.46	252	1381230	49.159	ng	100
91) Dibenzo(a,h)anthracene	17.02	278	1069516	43.359	ng	99
92) Benzo(g,h,i)perylene	17.45	276	1102583	44.820	ng	99

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



#1

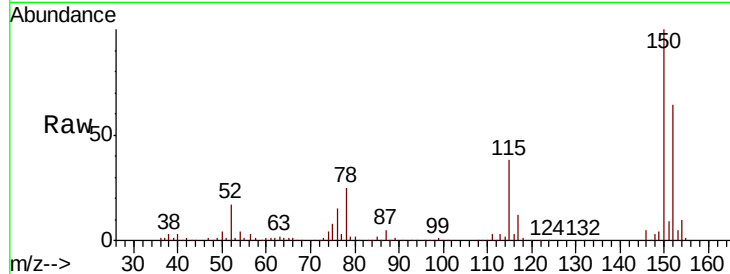
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	129.7	194.5
115	59.2	48.2	72.4

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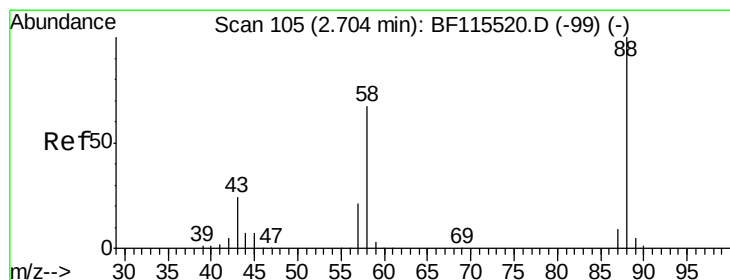
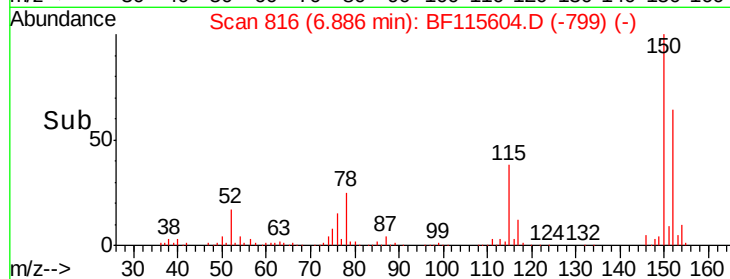
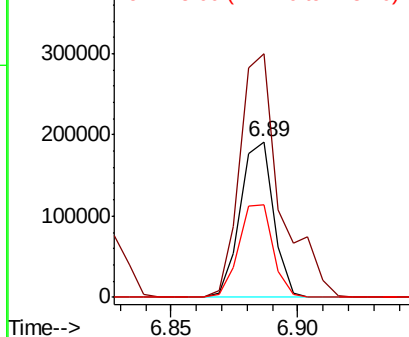


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

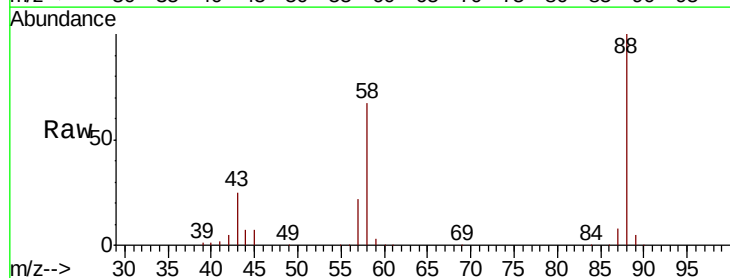
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 38.336 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.9	52.6	79.0
43	24.9	19.1	28.7

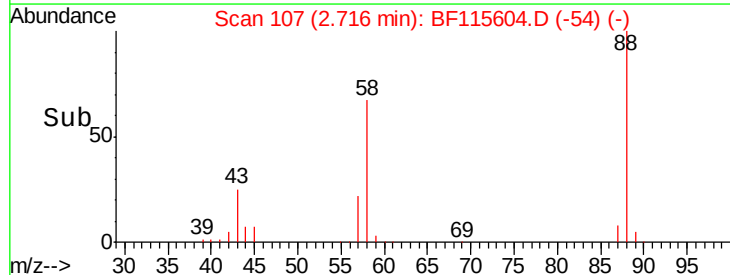
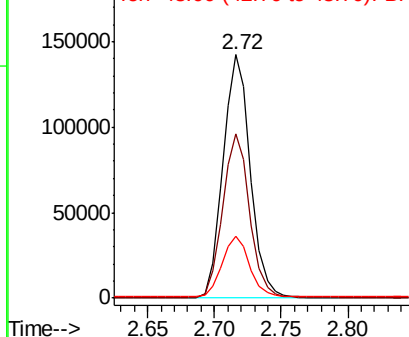


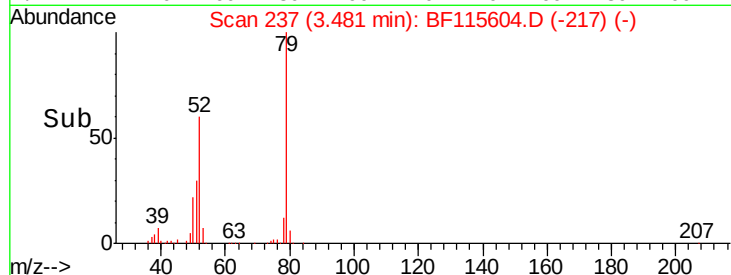
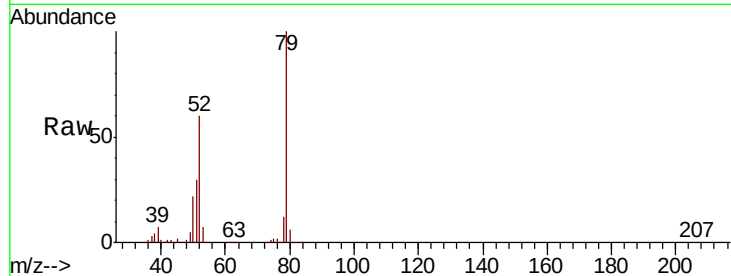
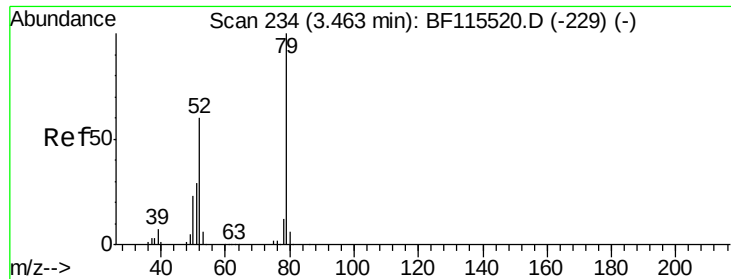
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





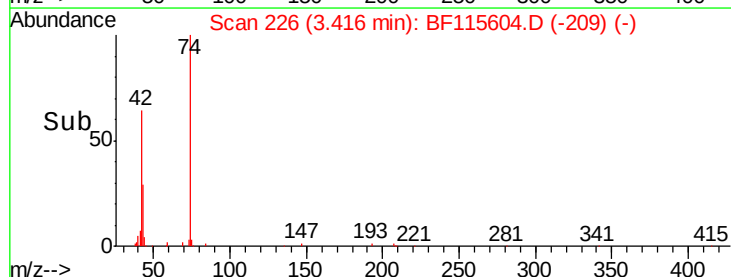
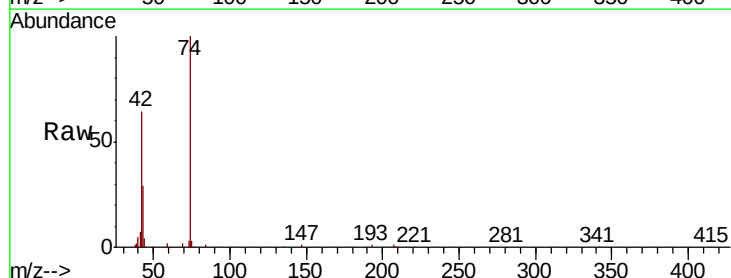
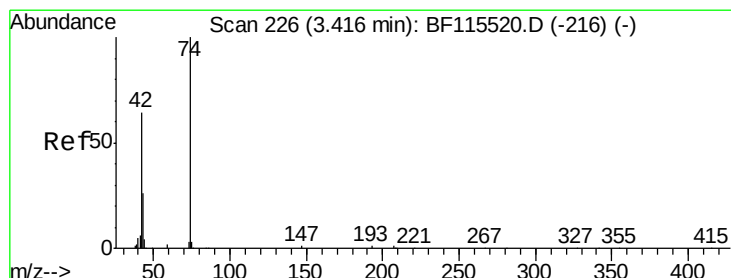
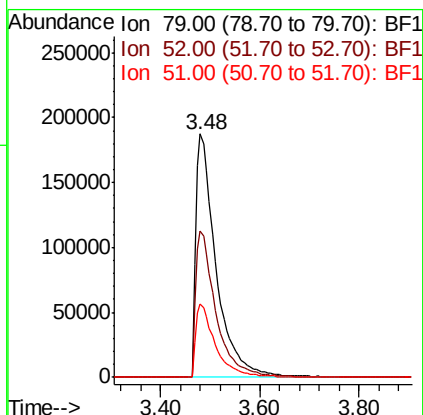
#3
 Pvridine
 Concen: 36.762 ng
 RT: 3.48 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tot Ion	Ratio	Lower	Upper
79	100		
52	60.4	47.8	71.6
51	29.9	23.8	35.8

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873MS

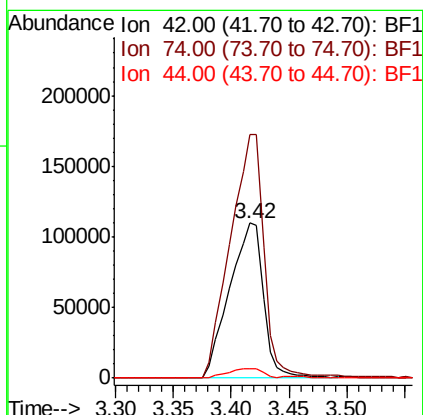
Manual Integrations
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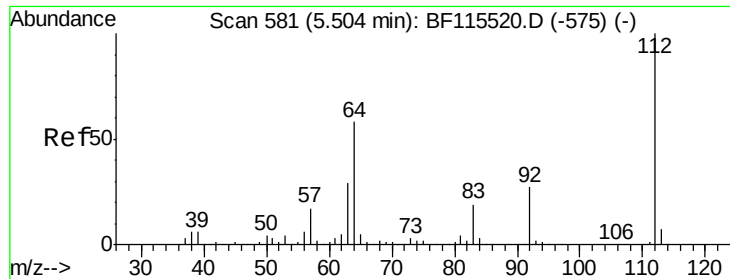
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#4
 n-Nitrosodimethylamine
 Concen: 42.686 ng
 RT: 3.42 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
42	100		
74	157.2	127.5	191.3
44	6.2	5.0	7.6





#5

2-Fluorophenol

Concen: 128.811 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:112 Resp: 1380536

Ion Ratio Lower Upper

112 100

64 55.8 46.8 70.2

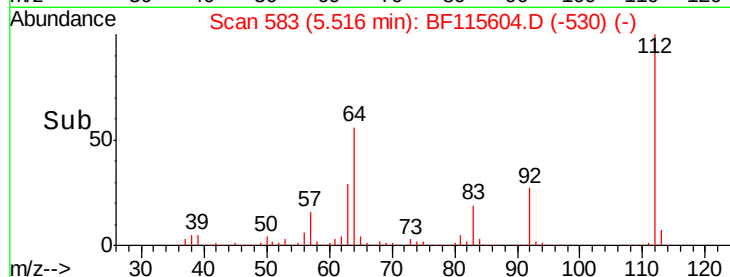
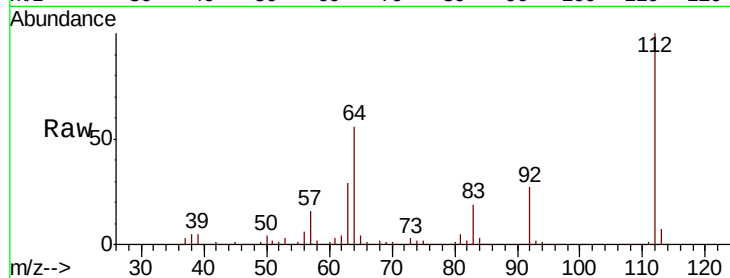
63 28.8 24.1 36.1

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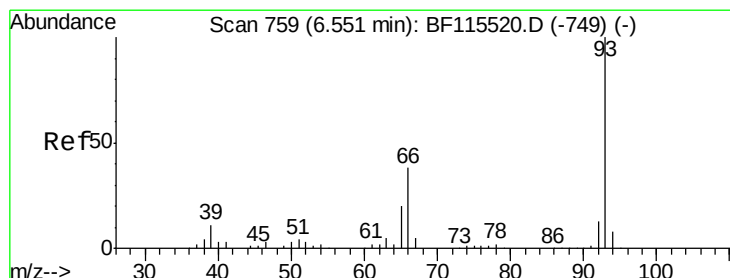
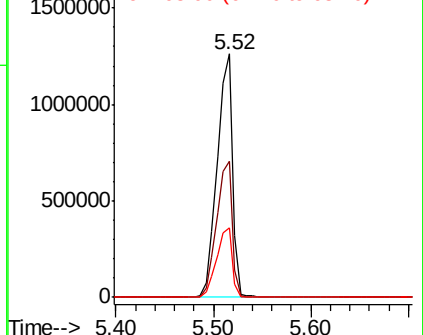
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.596 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

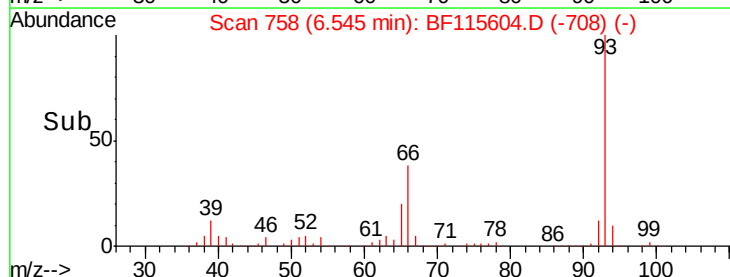
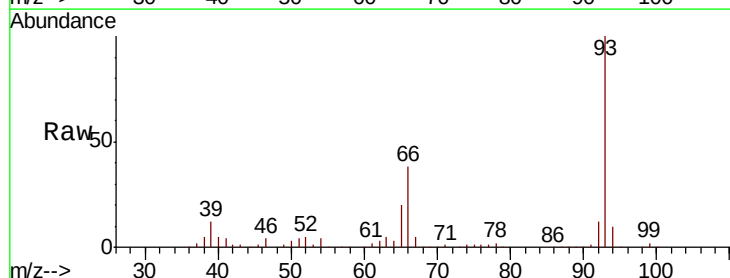
Tgt Ion: 93 Resp: 446559

Ion Ratio Lower Upper

93 100

66 38.4 31.7 47.5

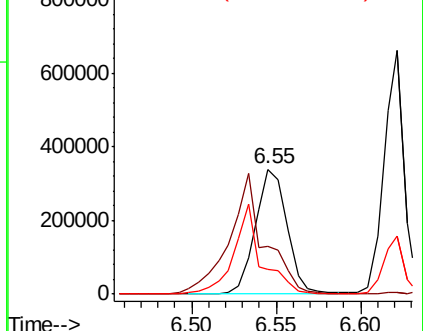
65 20.0 16.2 24.2

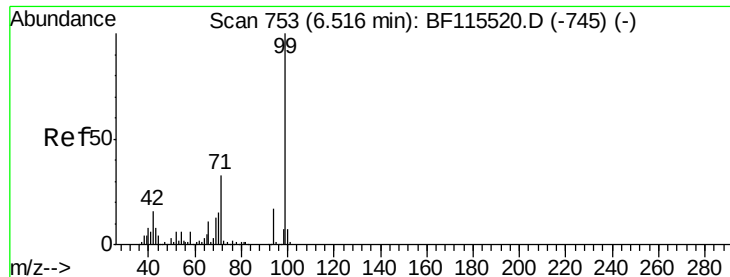


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 136.196 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion: 99 Resp: 1852173

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

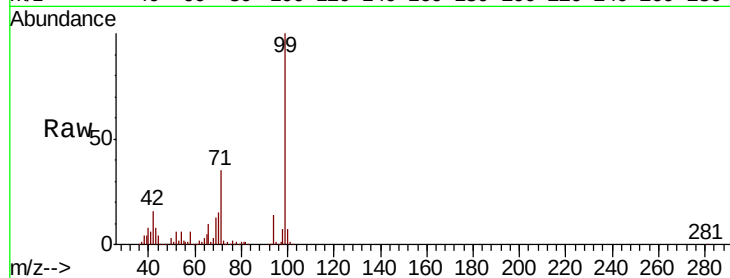
71 34.7 28.5 42.7

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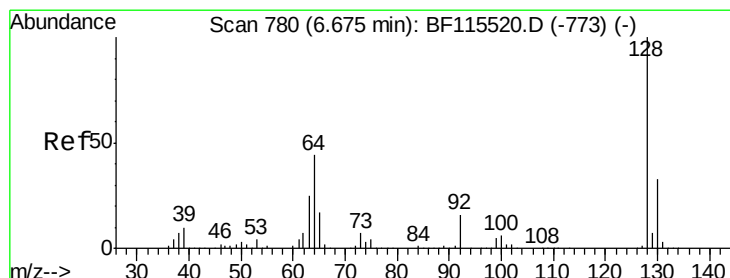
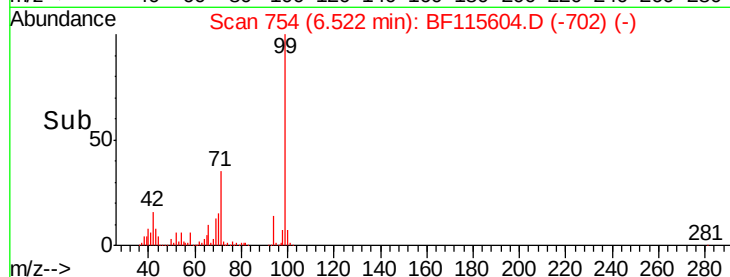
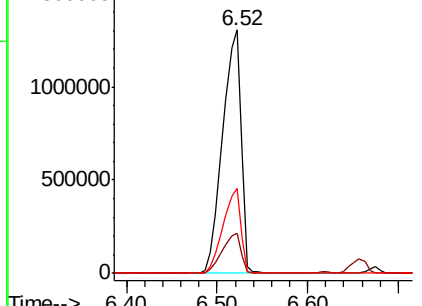
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.162 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.00 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

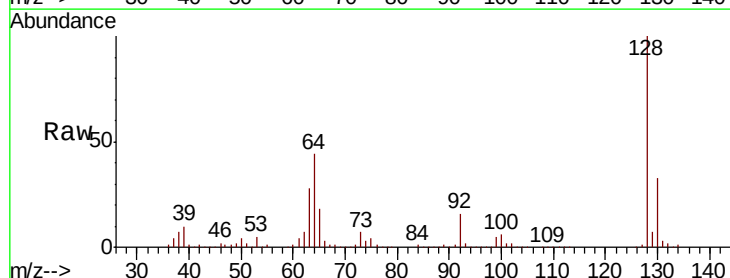
Tgt Ion: 128 Resp: 544168

Ion Ratio Lower Upper

128 100

130 33.2 12.8 52.8

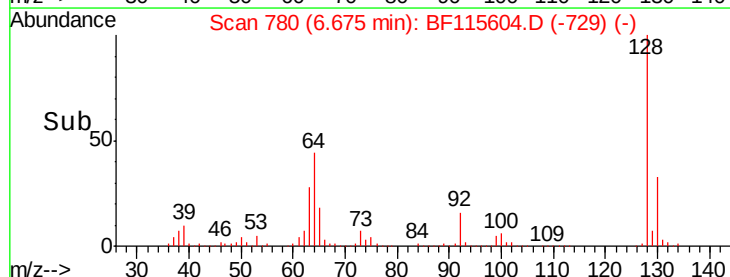
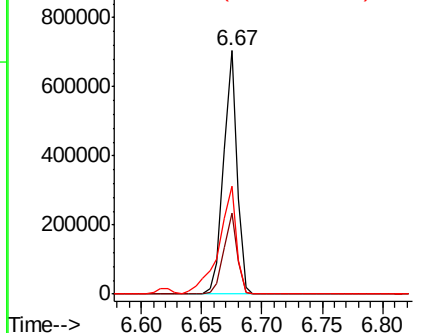
64 44.1 26.8 66.8

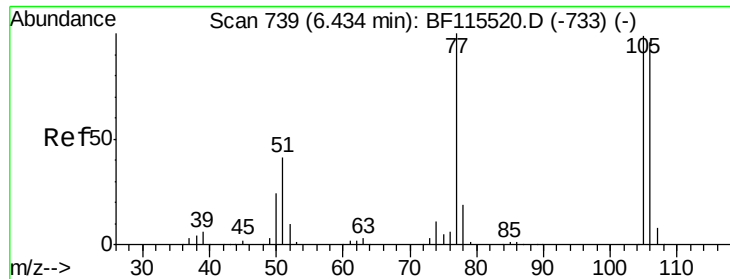


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 33.150 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

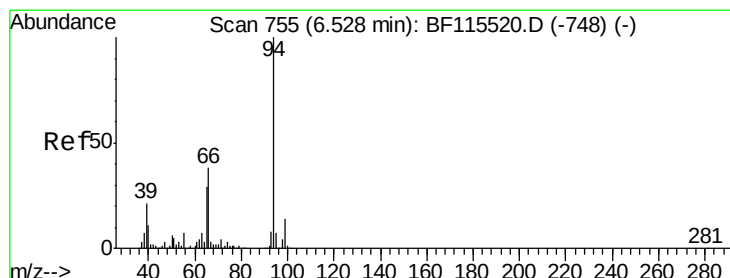
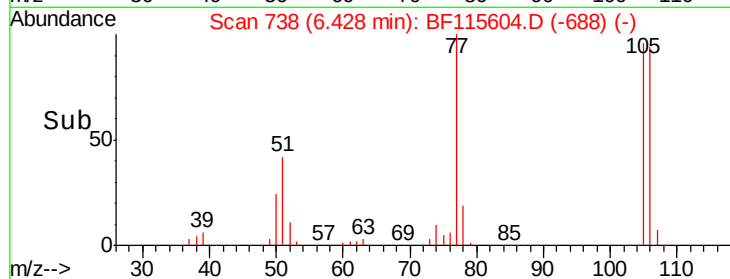
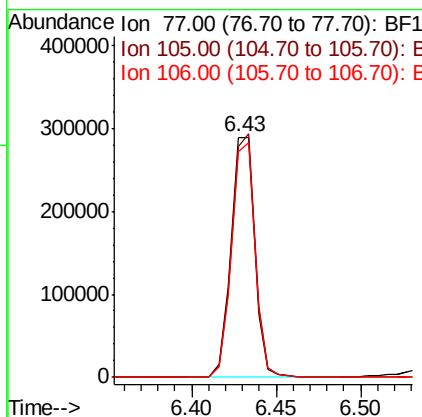
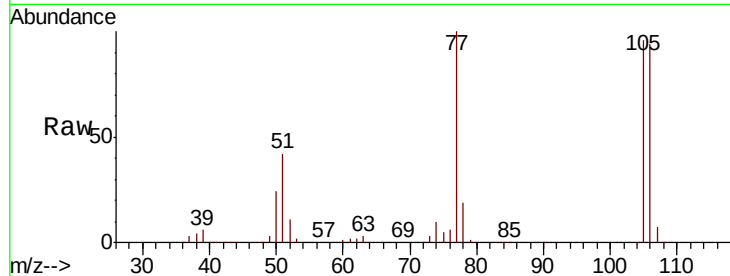
ClientSampleId :

RT-1873MS

Tot Ion:	77	Resp:	281718
Ion	Ratio	Lower	Upper
77	100		
105	95.8	78.8	118.8
106	93.9	75.6	115.6

Manual Integrations
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#10

Phenol

Concen: 42.803 ng

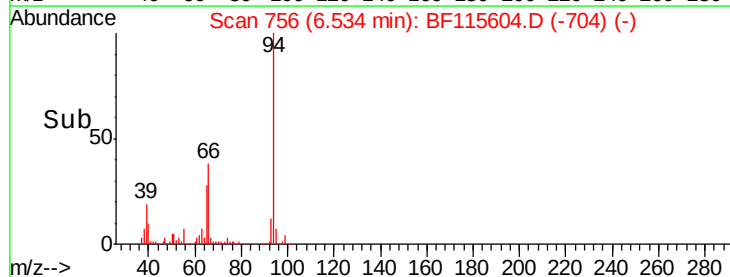
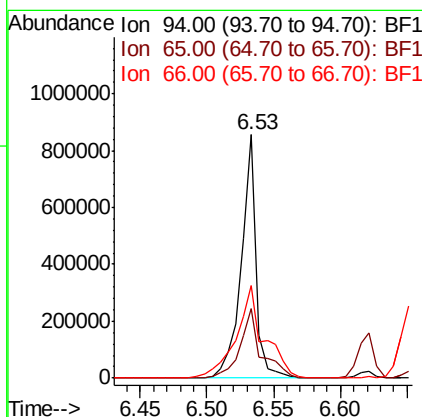
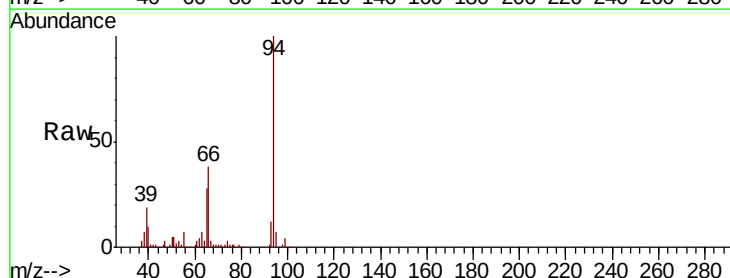
RT: 6.53 min Scan# 756

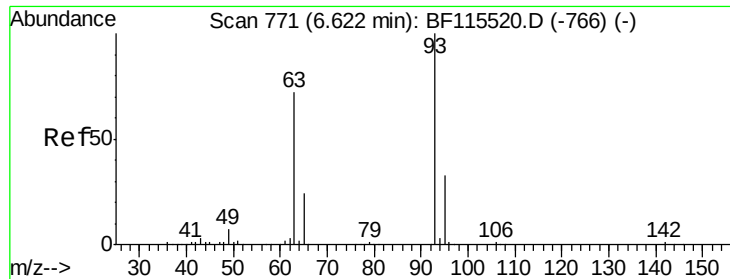
Delta R.T. 0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Tgt Ion:	94	Resp:	675723
Ion	Ratio	Lower	Upper
94	100		
65	28.4	14.5	54.5
66	38.2	31.3	71.3





#11

bis(2-Chloroethyl)ether

Concen: 45.029 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.00 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

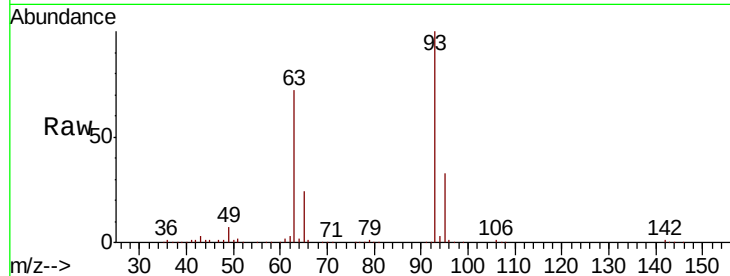
ClientSampleId :

RT-1873MS

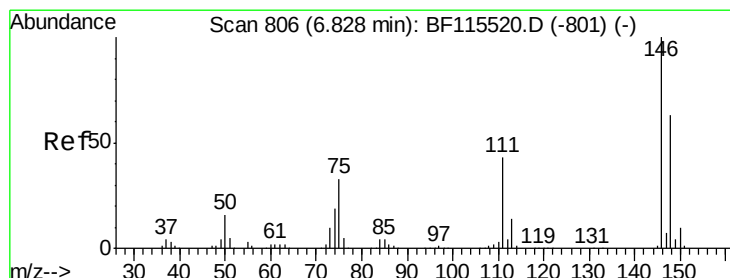
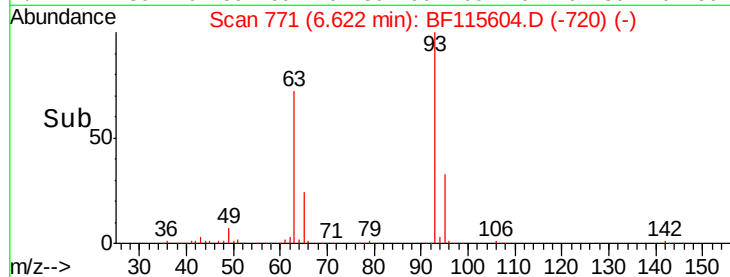
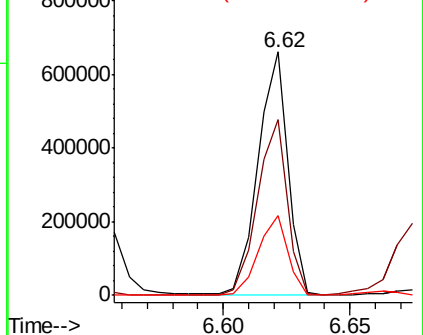
Tot Ion:	93	Resp:	541227
Ion Ratio	Lower	Upper	
93	100		
63	72.1	52.2	92.2
95	32.7	12.9	52.9

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Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 40.947 ng

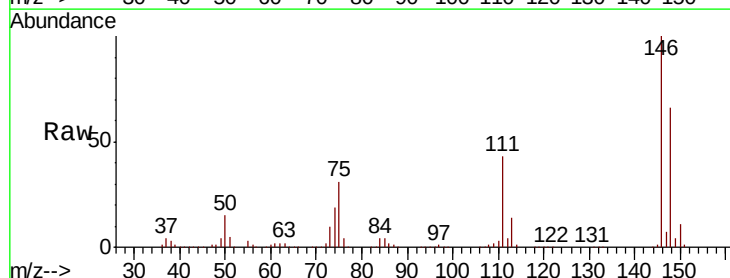
RT: 6.83 min Scan# 806

Delta R.T. -0.00 min

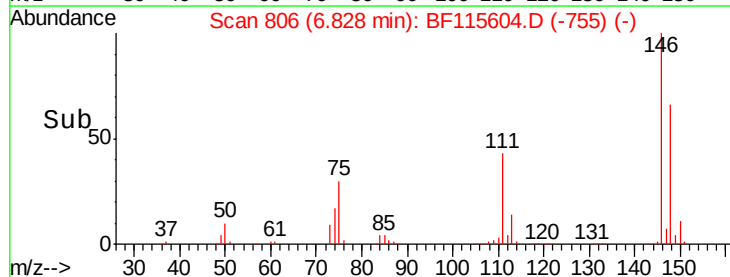
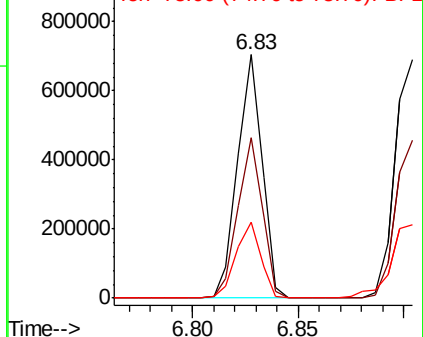
Lab File: BF115604.D

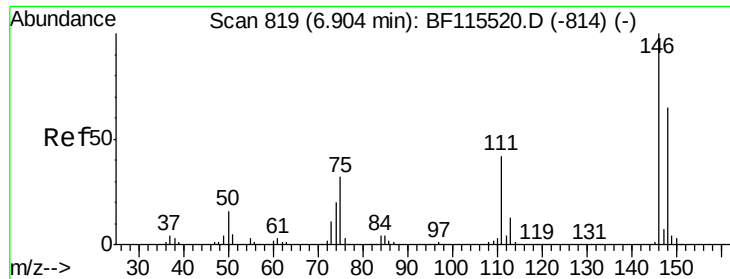
Acq: 16 Jul 2019 18:24

Tgt Ion:	146	Resp:	567281
Ion Ratio	Lower	Upper	
146	100		
148	65.8	52.1	78.1
75	31.4	24.9	37.3



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





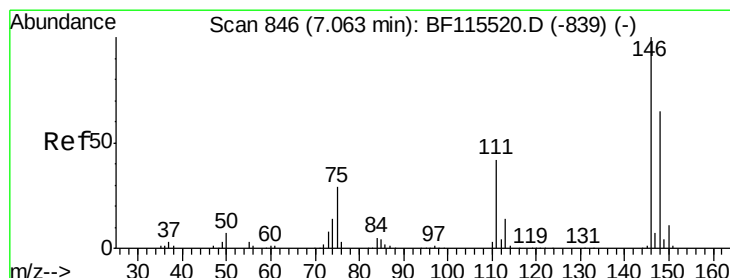
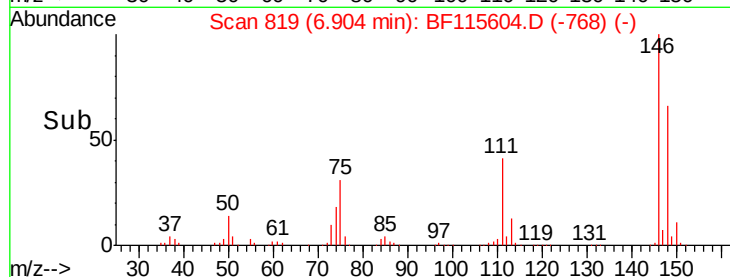
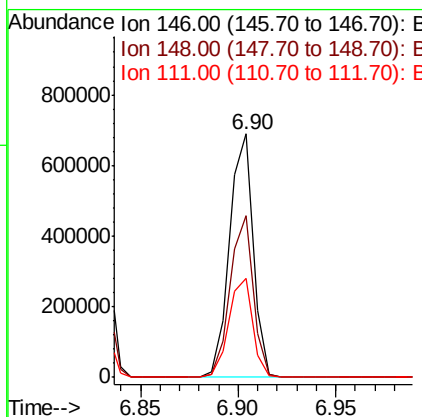
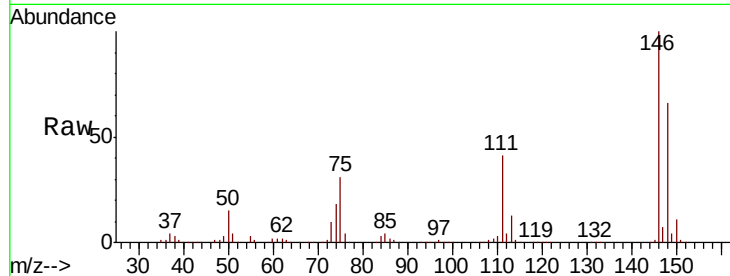
#13
 1,4-Dichlorobenzene
 Concen: 41.958 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.8	77.6
111	40.5	35.5	53.3

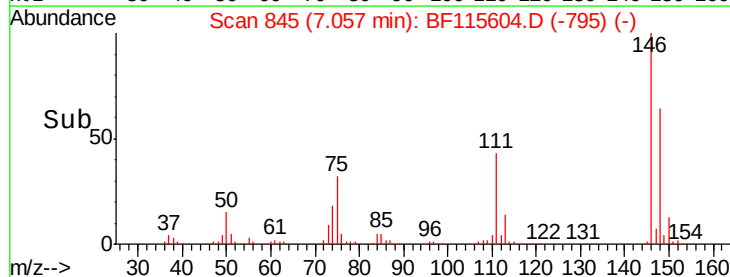
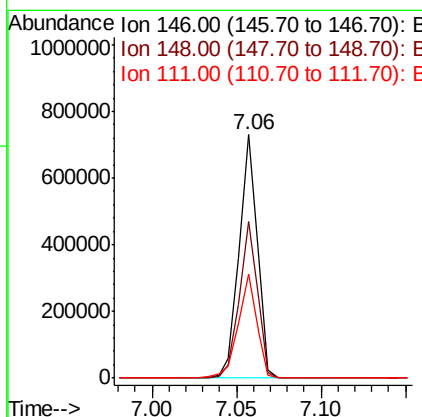
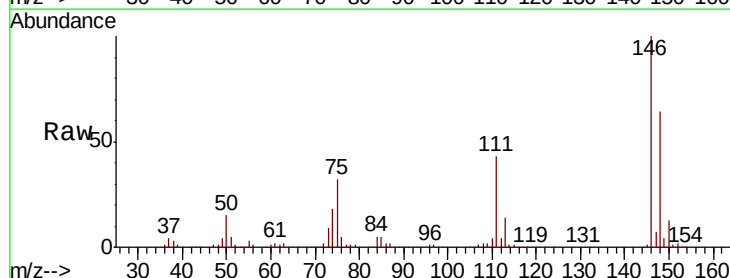
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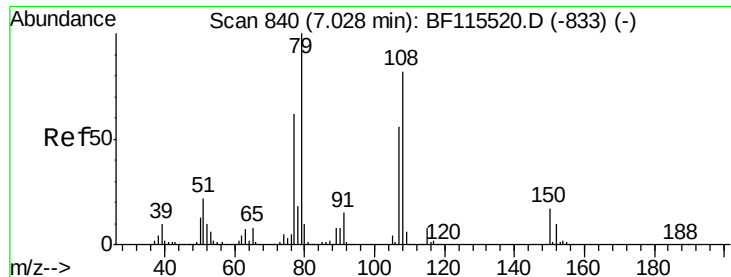
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 43.083 ng
 RT: 7.06 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	43.0	37.6	56.4





#15

Benzyl Alcohol

Concen: 45.779 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

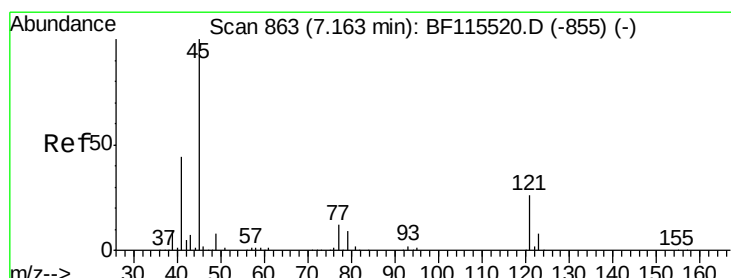
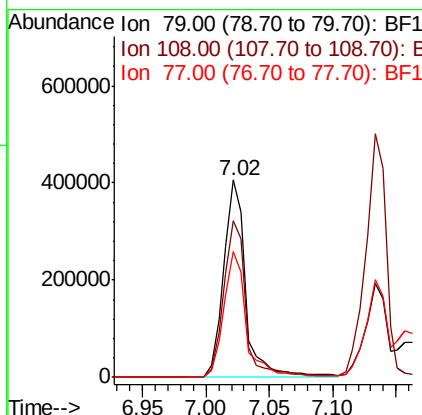
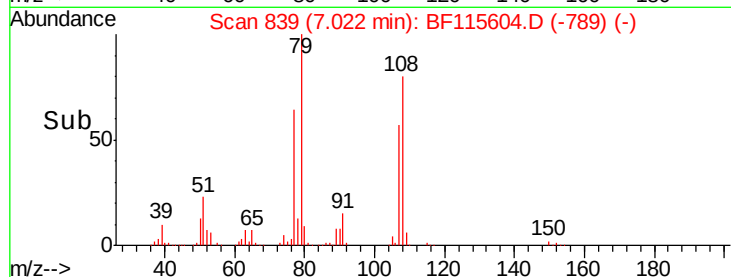
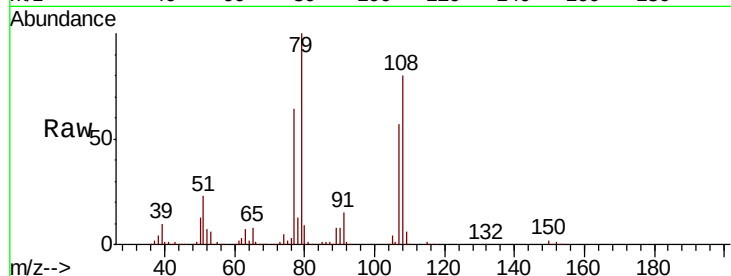
ClientSampleId :

RT-1873MS

Tot Ion:	79	Resp:	493872
Ion	Ratio	Lower	Upper
79	100		
108	79.8	64.2	96.4
77	64.0	51.8	77.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.405 ng

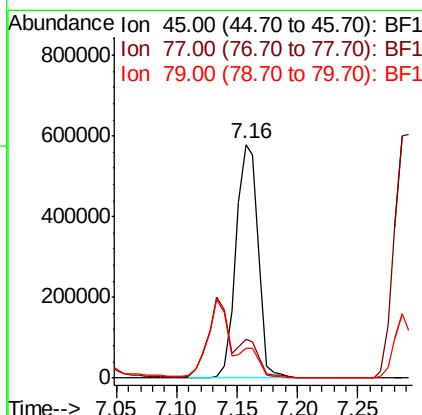
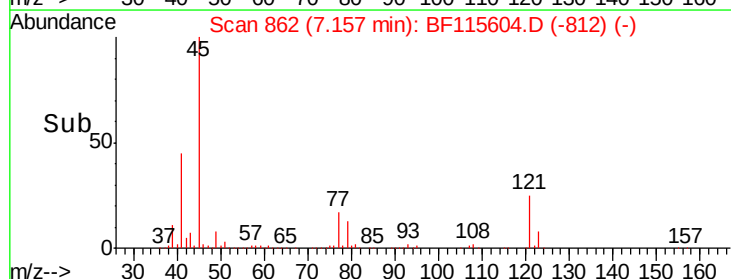
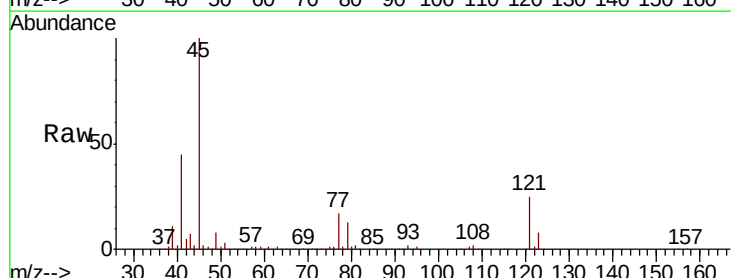
RT: 7.16 min Scan# 862

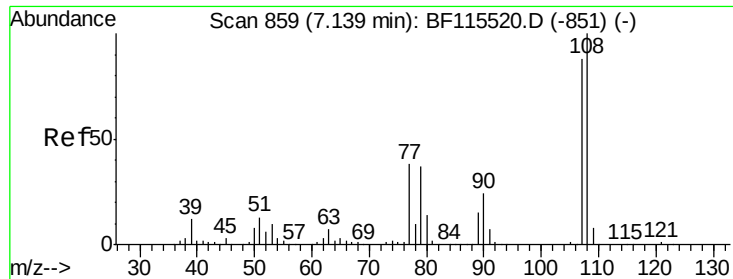
Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Tgt Ion:	45	Resp:	734320
Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	38.1
79	12.6	0.0	34.1





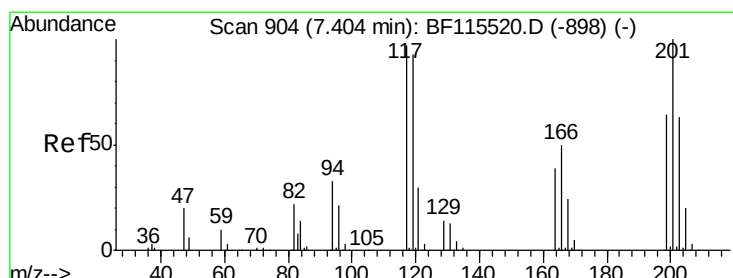
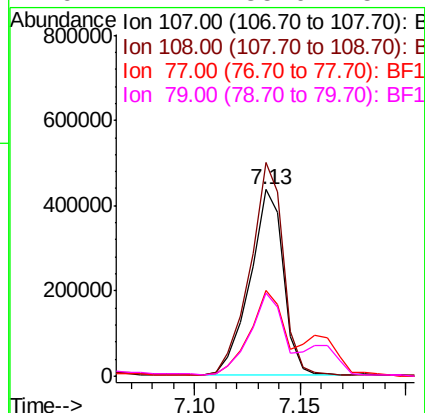
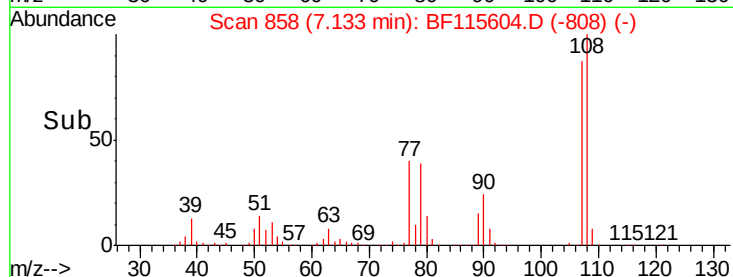
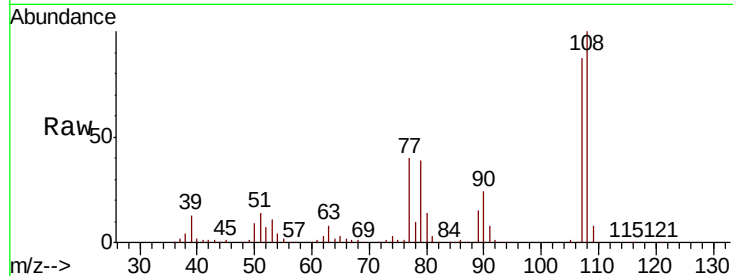
#17
2-Methylphenol
Concen: 45.208 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	480071		
108	114.4	89.4	134.2	
77	45.8	35.7	53.5	
79	44.4	35.0	52.4	

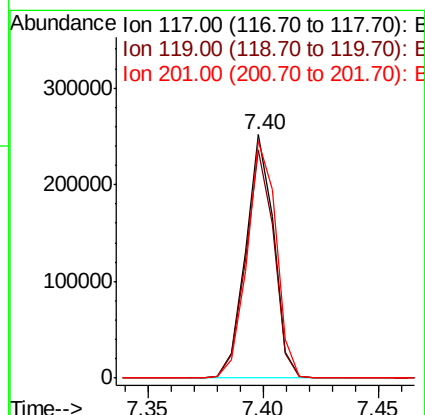
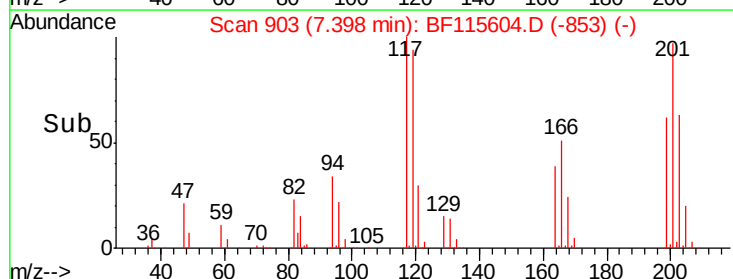
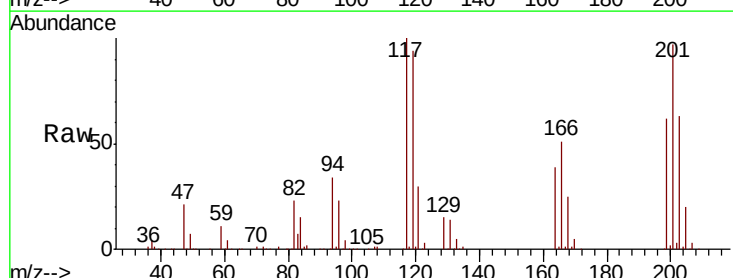
Manual Integrations
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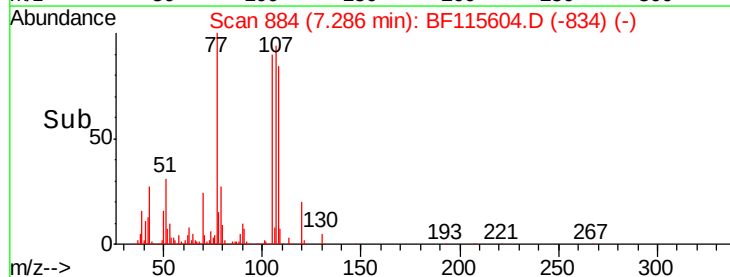
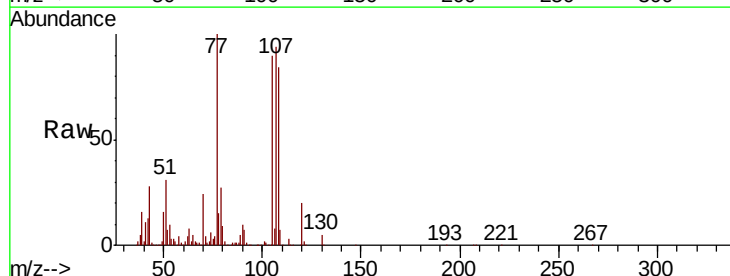
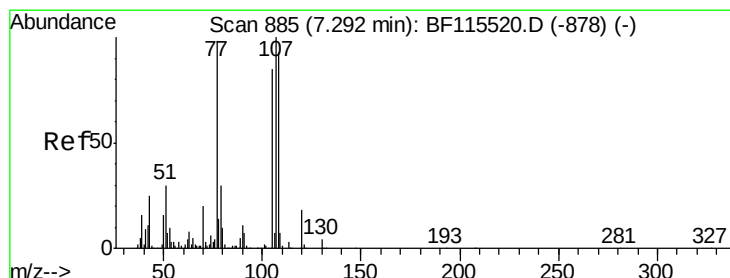
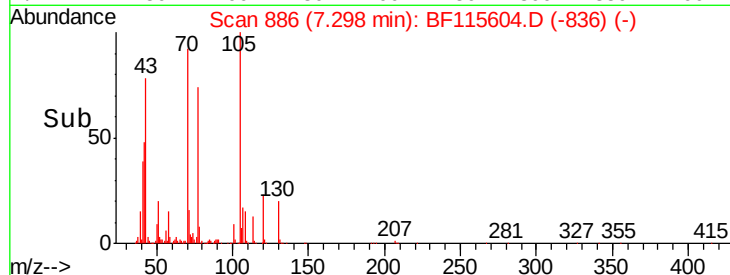
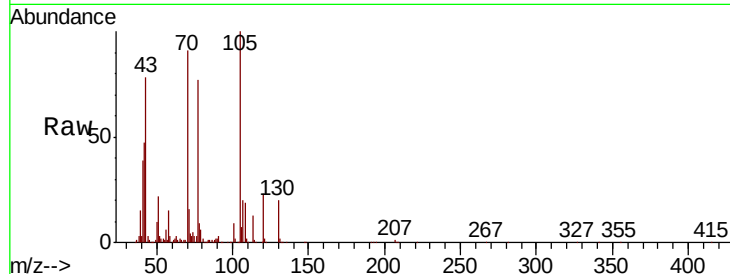
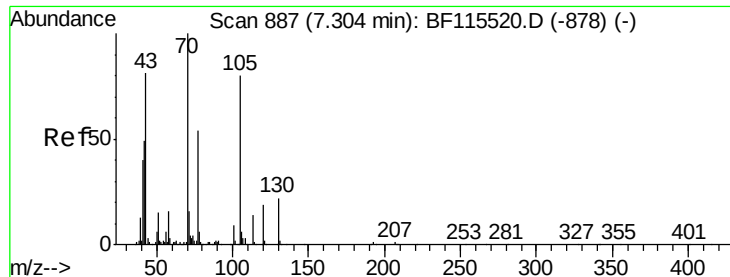
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#18
Hexachloroethane
Concen: 41.627 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	213573		
119	94.0	77.7	116.5	
201	97.3	86.0	129.0	





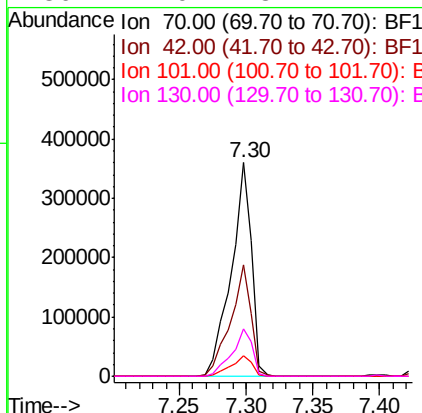
#19
n-Nitroso-di-n-propylamine
Concen: 43.744 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampled :
RT-1873MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	51.9	39.6	59.4	
101	9.9	8.1	12.1	
130	22.0	18.2	27.2	

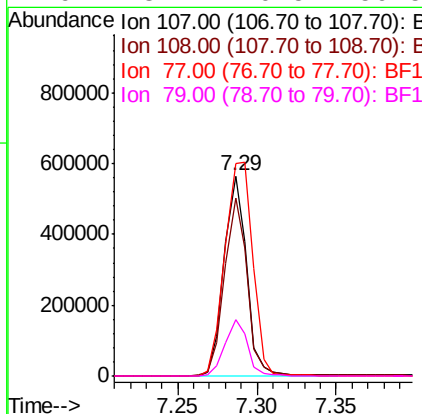
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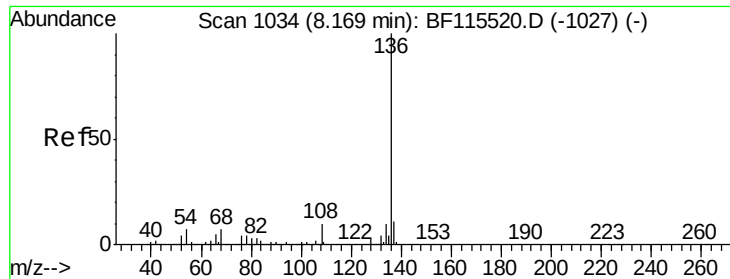
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#20
3+4-Methylphenols
Concen: 44.102 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.9	72.9	112.9	
77	106.2	77.6	117.6	
79	28.4	10.5	50.5	





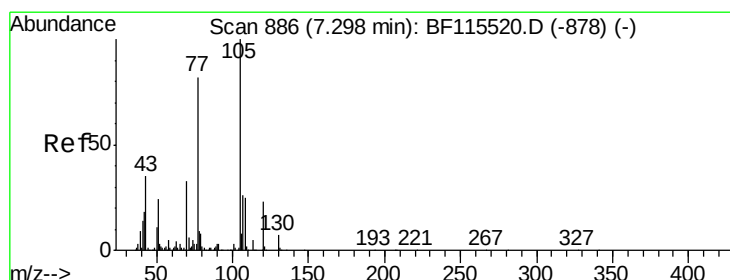
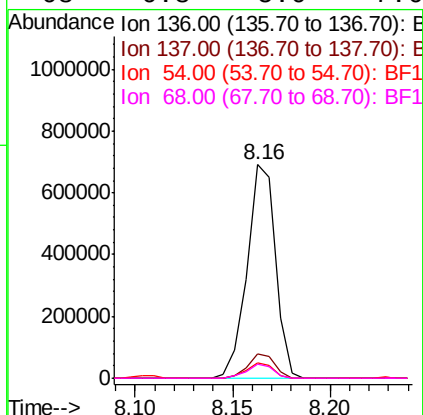
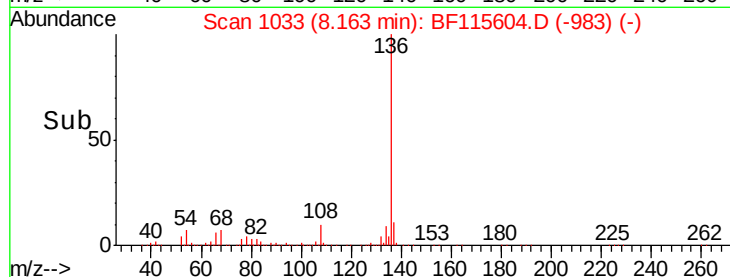
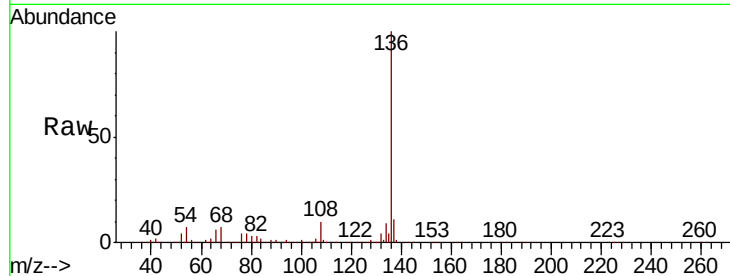
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleID :
RT-1873MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		700221		
137	11.1	9.0	13.4		
54	7.1	5.6	8.4		
68	6.8	5.0	7.6		

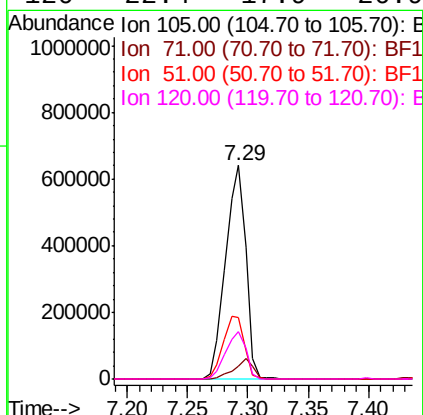
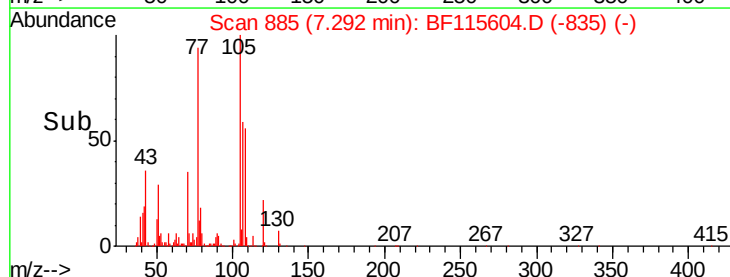
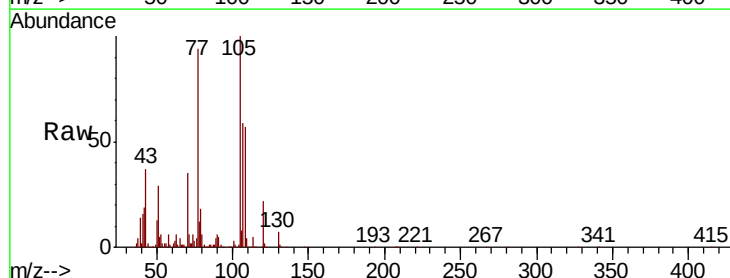
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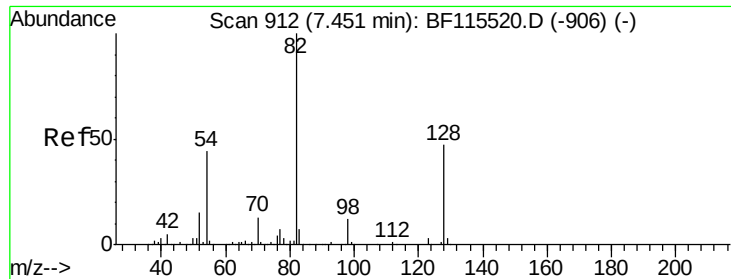
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#22
Acetophenone
Concen: 47.143 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		745750		
71	5.9	3.5	5.3#		
51	28.7	25.6	38.4		
120	22.4	17.9	26.9		





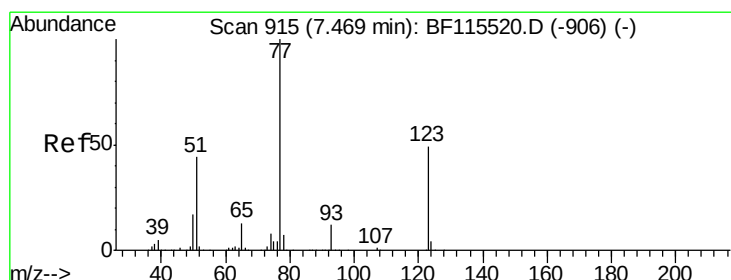
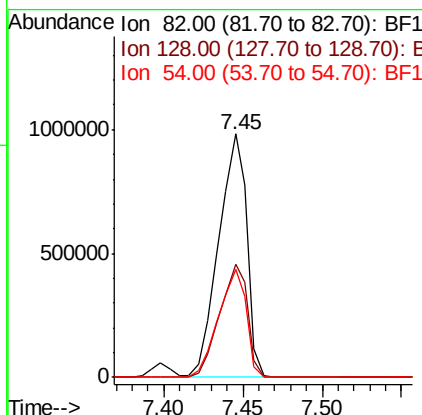
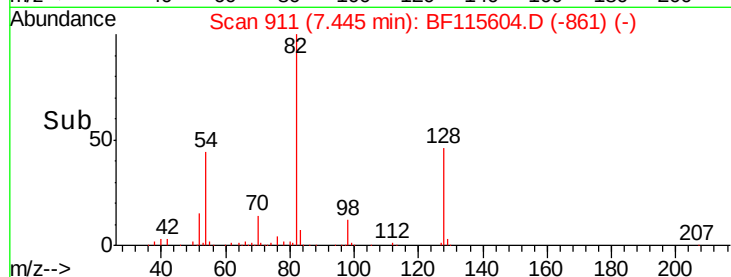
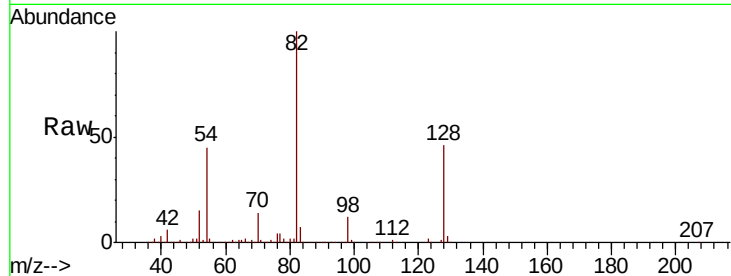
#23
 Nitrobenzene-d5
 Concen: 100.002 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Instrument :
 BNA_F
 ClientSampled :
 RT-1873MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.6	57.8
54	44.5	35.6	53.4

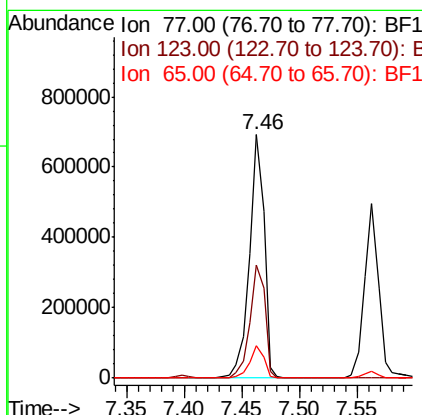
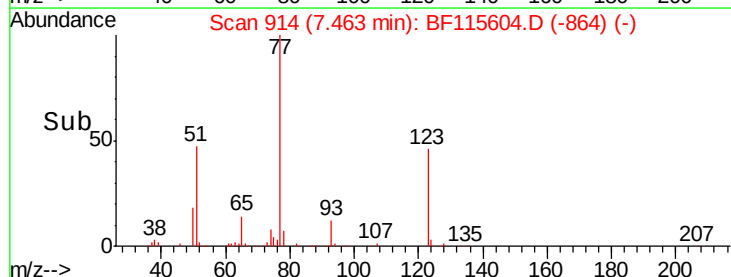
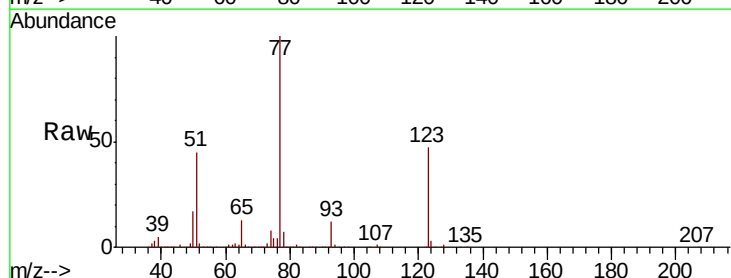
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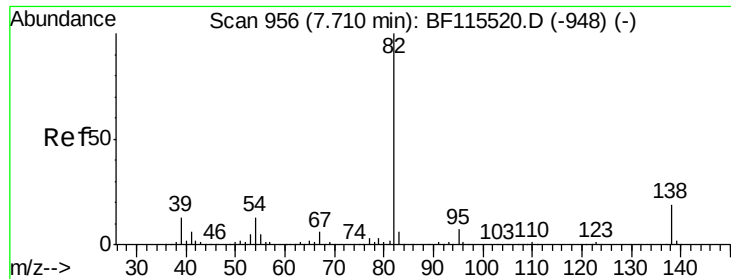
mohammad
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#24
 Nitrobenzene
 Concen: 46.766 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.6	40.0	60.0
65	13.1	11.0	16.4





#25

Isophorone

Concen: 46.451 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion: 82 Resp: 1119315

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

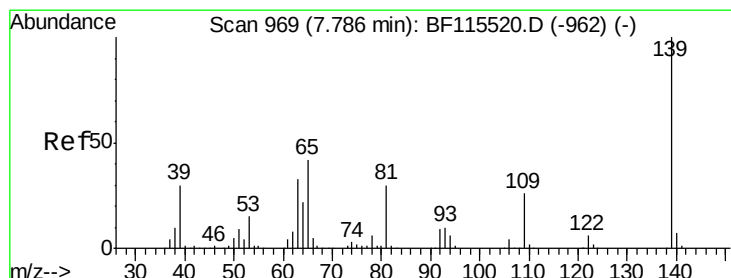
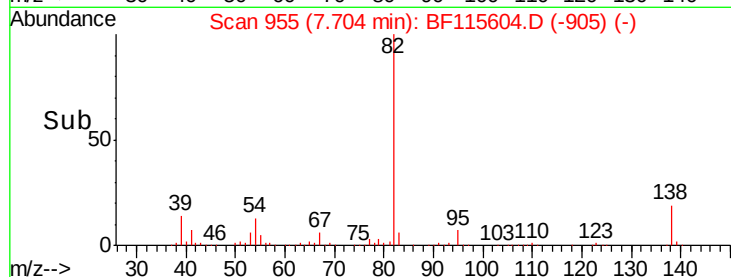
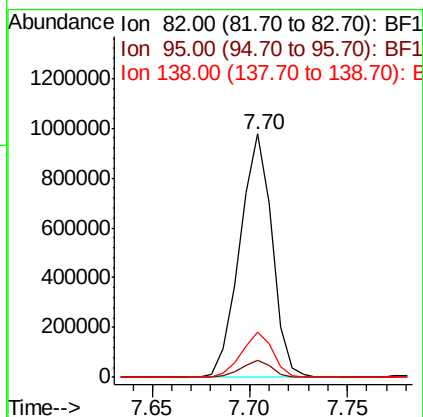
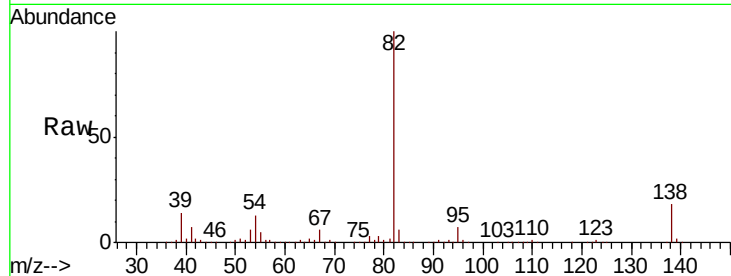
138 18.5 14.9 22.3

Manual Integrations

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#26

2-Nitrophenol

Concen: 46.268 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

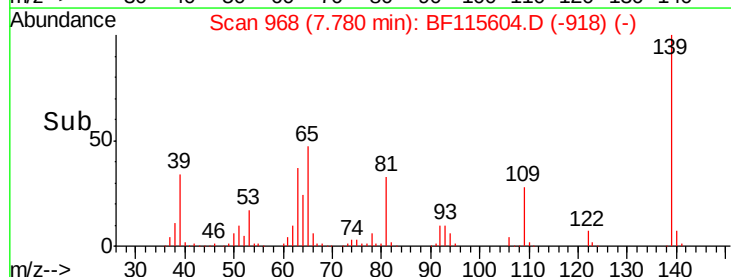
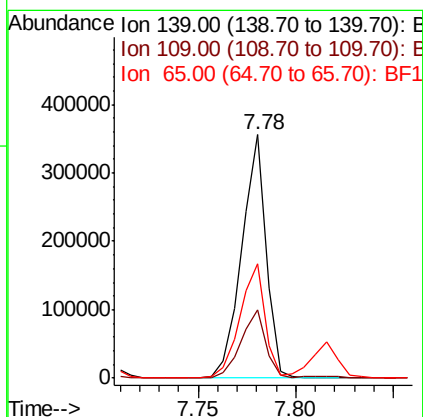
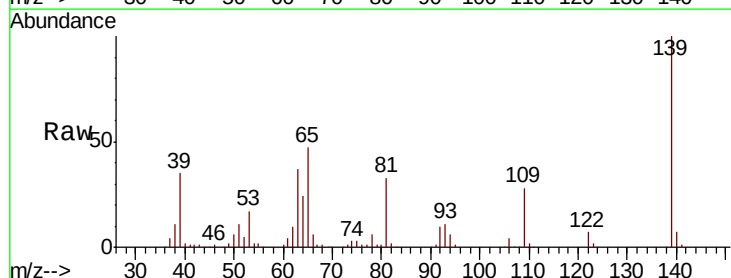
Tgt Ion: 139 Resp: 309323

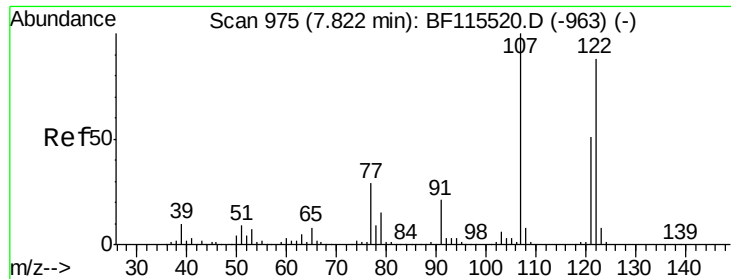
Ion Ratio Lower Upper

139 100

109 28.2 23.3 34.9

65 46.7 37.9 56.9





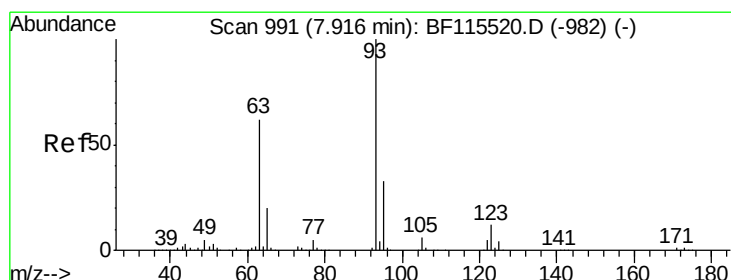
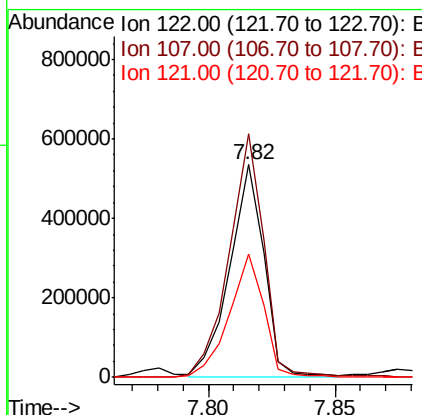
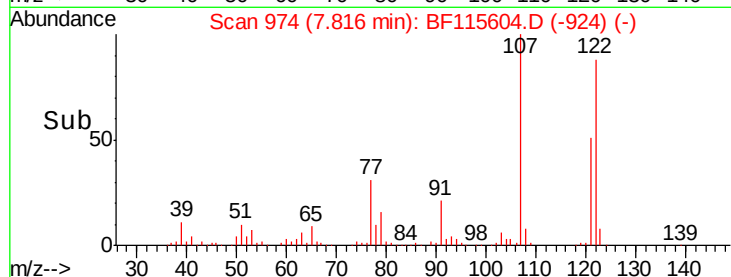
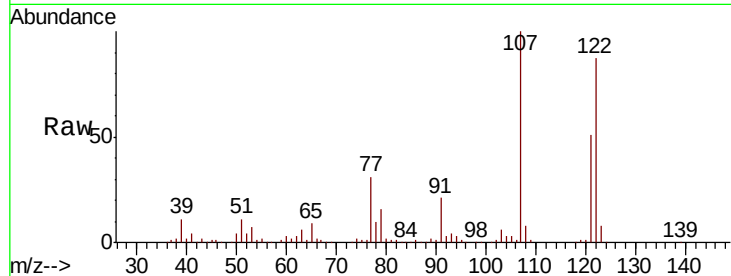
#27
2,4-Dimethylphenol
Concen: 50.079 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	500948		
107	114.4		92.9	139.3
121	58.2		46.9	70.3

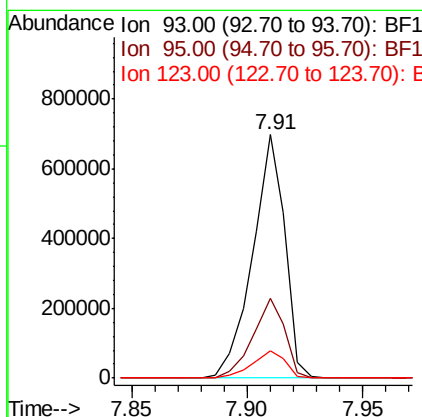
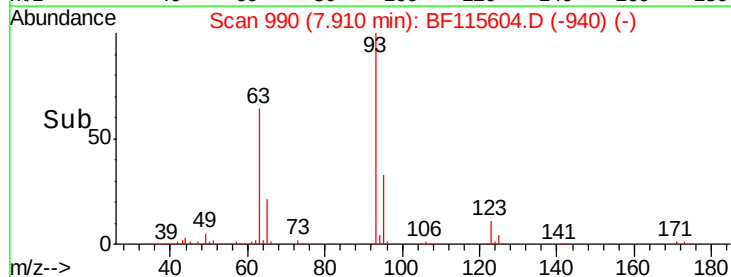
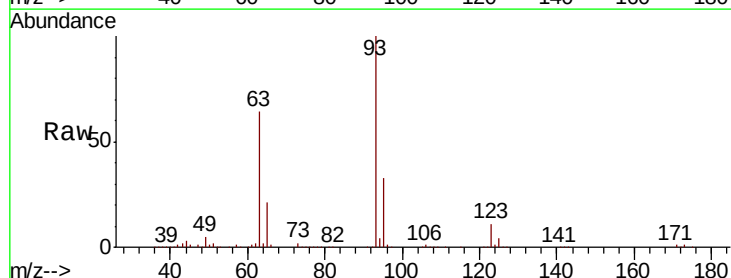
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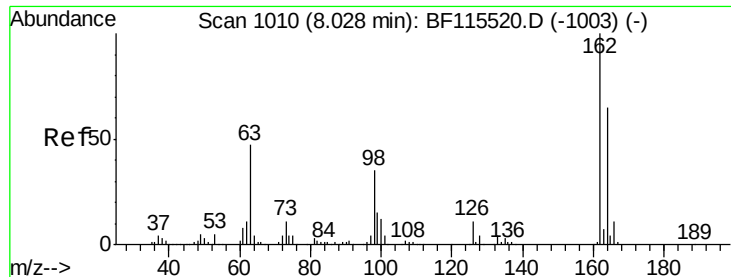
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 45.863 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	677986		
95	32.7		27.0	40.4
123	11.4		9.9	14.9





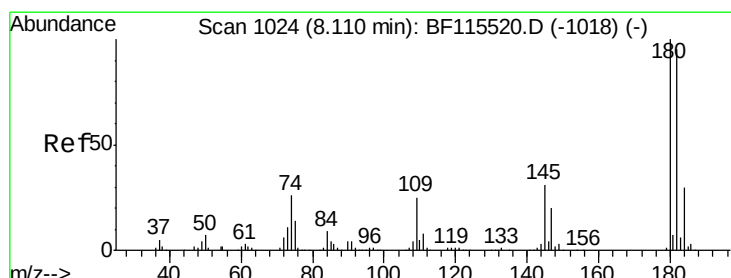
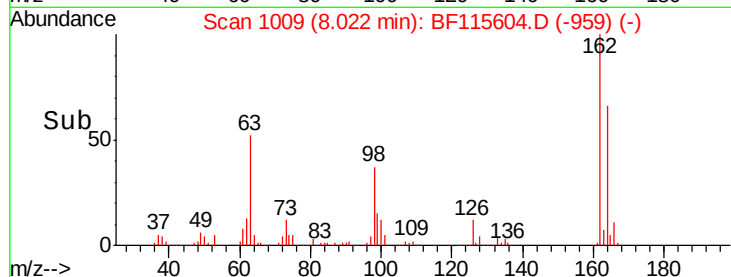
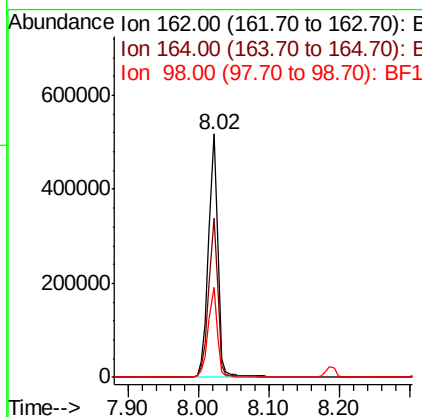
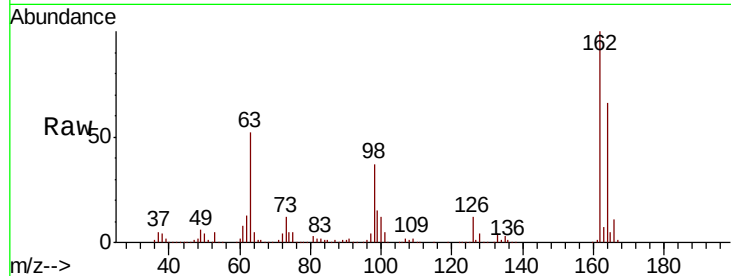
#29
2,4-Dichlorophenol
Concen: 46.603 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion:	162	Resp:	484817
Ion Ratio	Lower	Upper	
162	100		
164	65.6	44.9	84.9
98	36.8	17.7	57.7

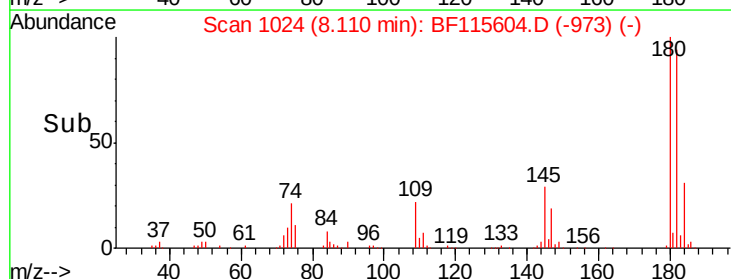
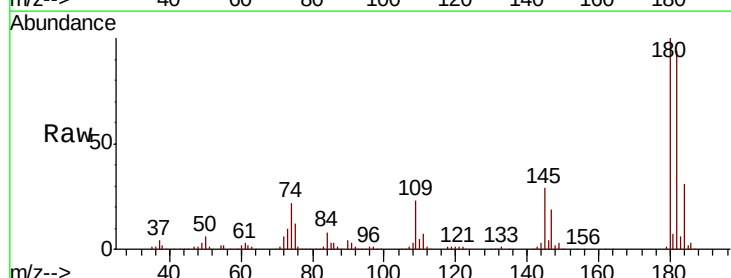
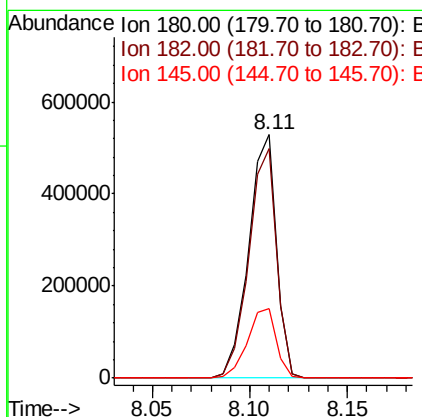
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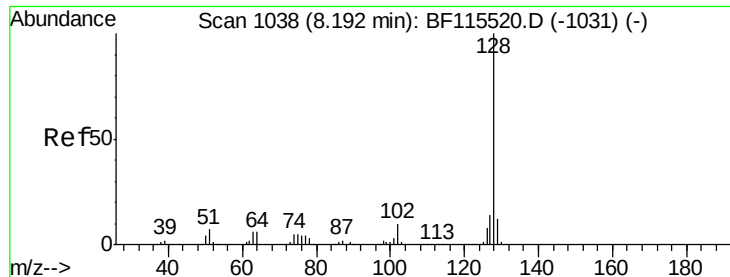
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 44.277 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion:	180	Resp:	520678
Ion Ratio	Lower	Upper	
180	100		
182	94.3	75.0	112.6
145	28.8	25.1	37.7





#31

Naphthalene

Concen: 45.946 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:128 Resp: 1558118

Ion Ratio Lower Upper

128 100

129 11.7 9.9 14.9

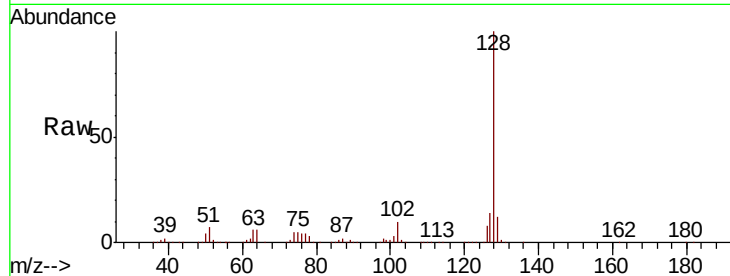
127 13.7 12.1 18.1

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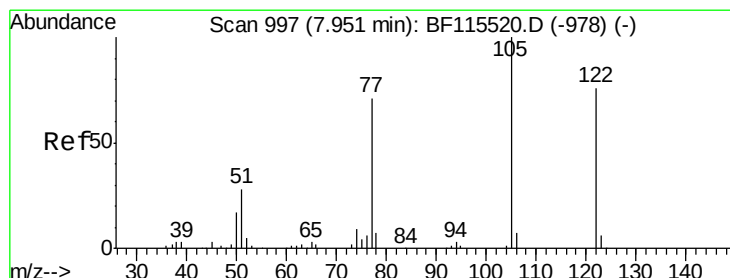
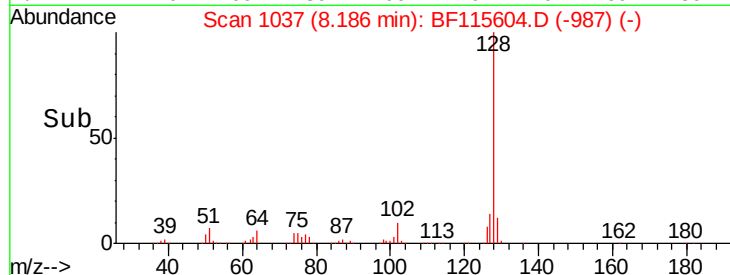
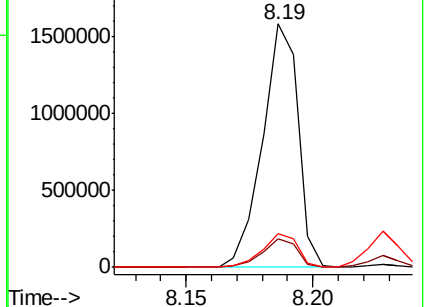
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.979 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.08 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

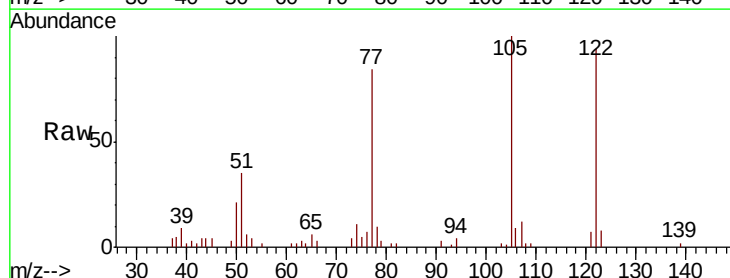
Tgt Ion:122 Resp: 24452

Ion Ratio Lower Upper

122 100

105 106.2 102.5 142.5

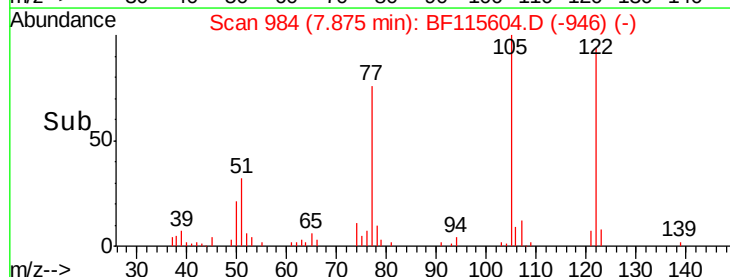
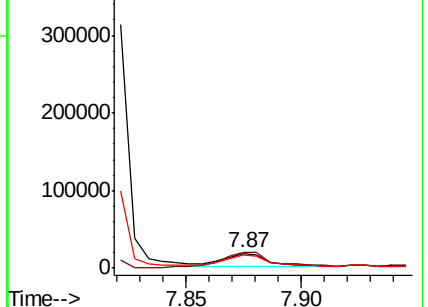
77 89.4 70.2 110.2

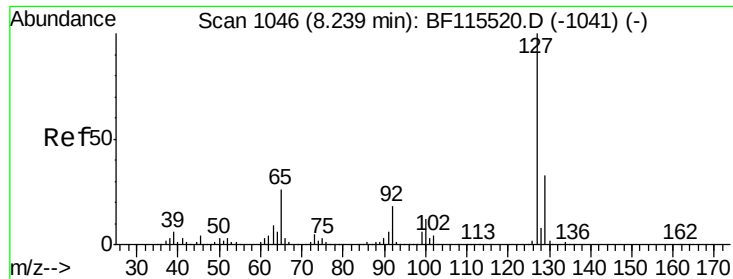


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





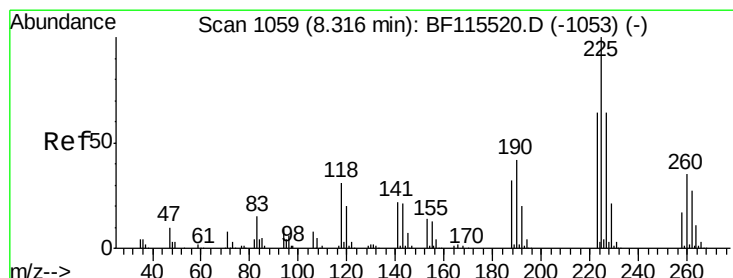
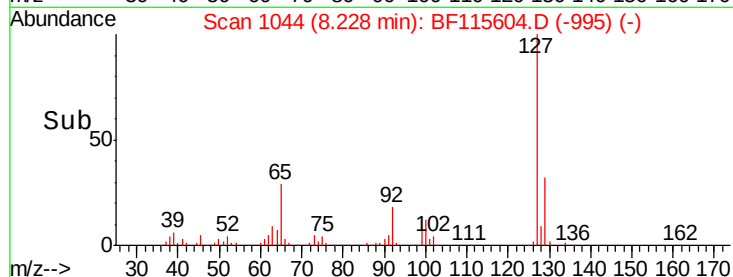
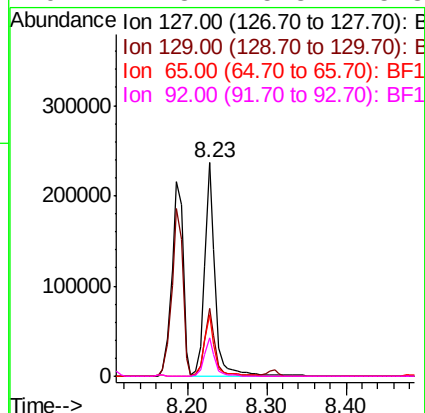
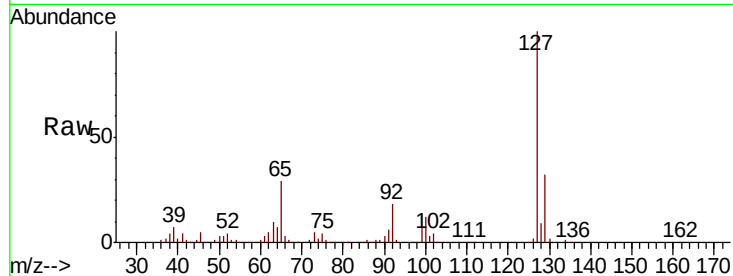
#33
4-Chloroaniline
Concen: 14.866 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1	26.6	39.8		
65	29.0	23.7	35.5		
92	17.8	15.8	23.8		

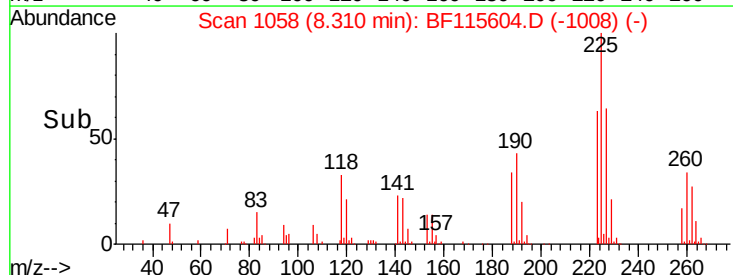
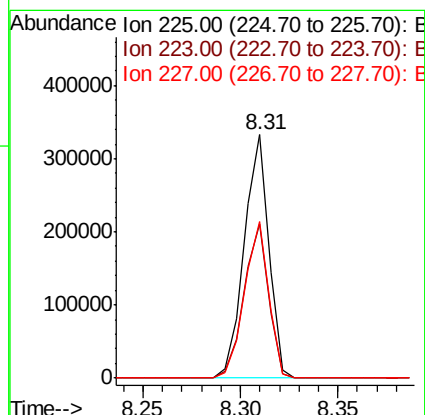
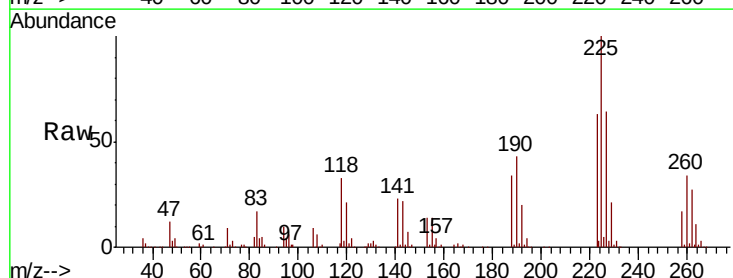
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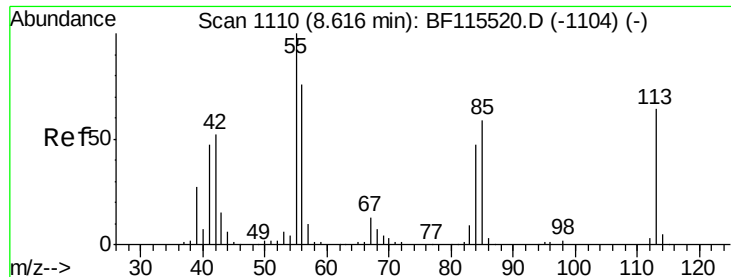
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#34
Hexachlorobutadiene
Concen: 43.066 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.2	50.9	76.3		
227	64.5	50.7	76.1		





#35

Caprolactam

Concen: 50.225 ng/ml

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

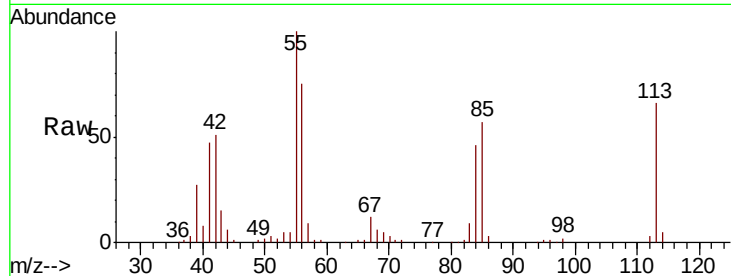
ClientSampleId :

RT-1873MS

Tot Ion:	113	Resp:	161460
Ion Ratio	Lower	Upper	
113	100		
55	151.1	126.9	166.9
56	113.4	90.3	130.3

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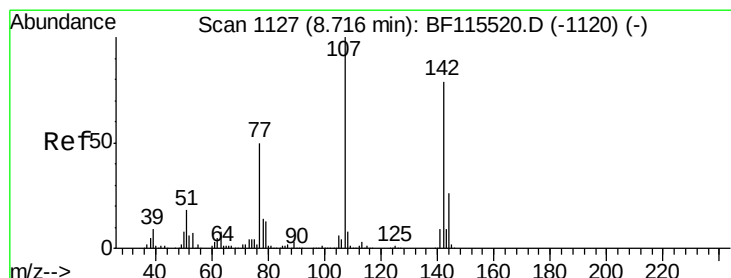
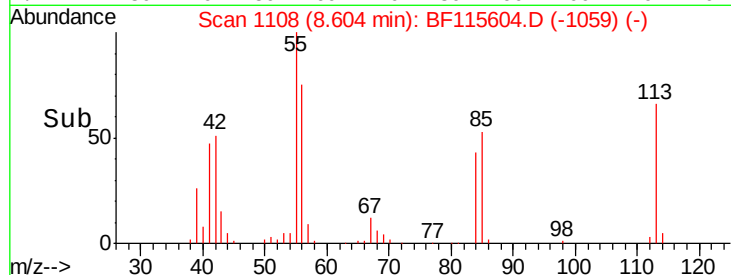
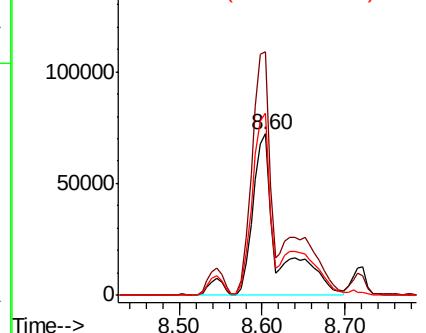


Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 49.011 ng/ml

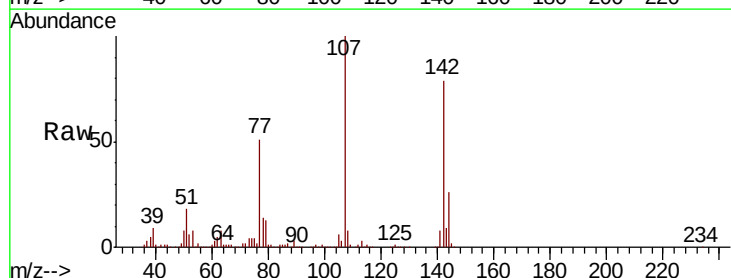
RT: 8.72 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Tgt Ion:	107	Resp:	528895
Ion Ratio	Lower	Upper	
107	100		
144	25.7	20.6	30.8
142	78.9	63.1	94.7

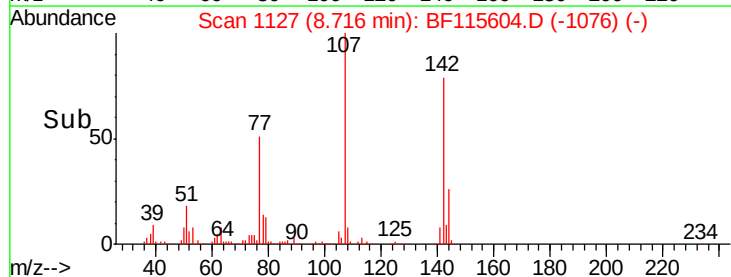
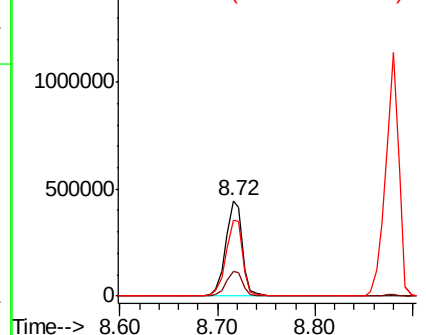


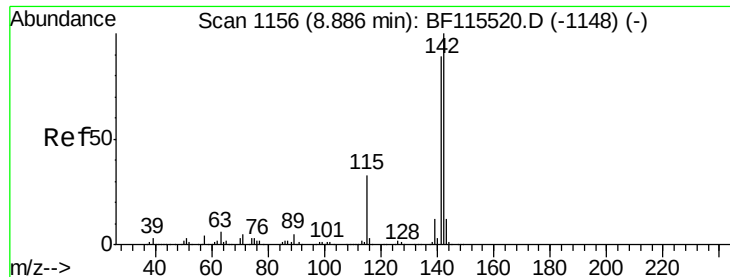
Abundance

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





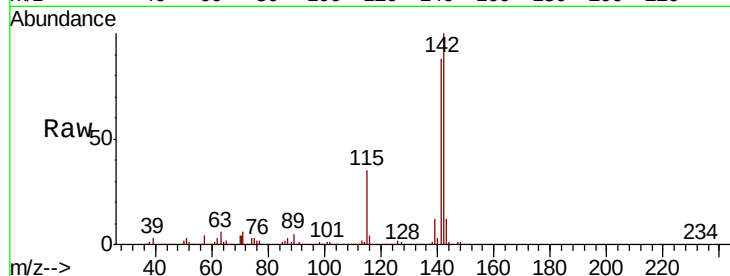
#37
2-Methylnaphthalene
Concen: 47.367 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.0	108.0
115	34.9	29.9	44.9

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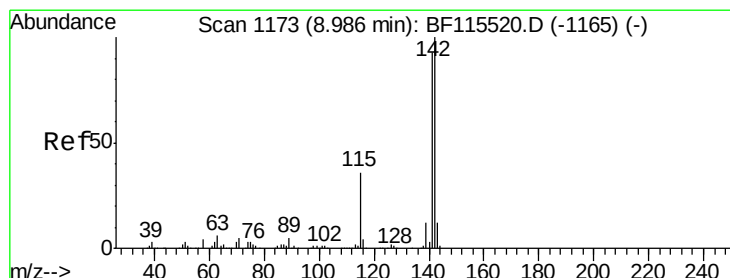
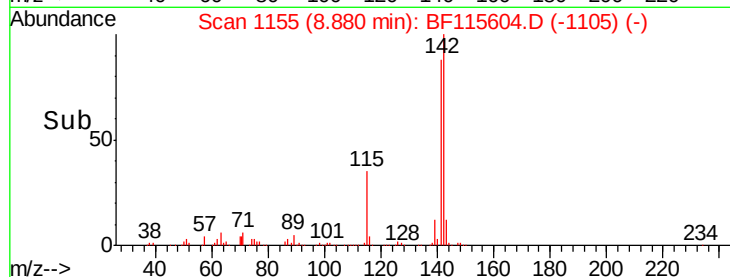
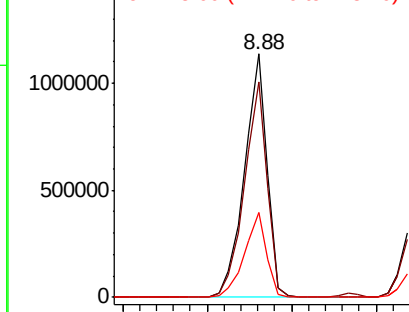


Abundance

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: 46.296 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

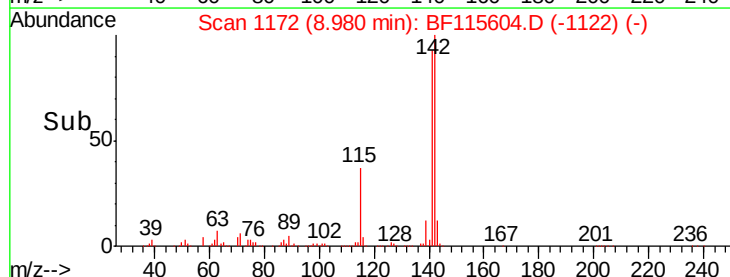
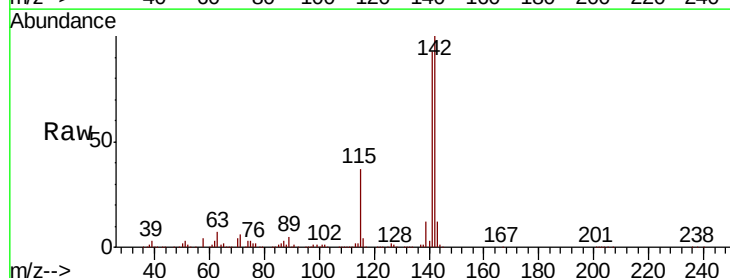
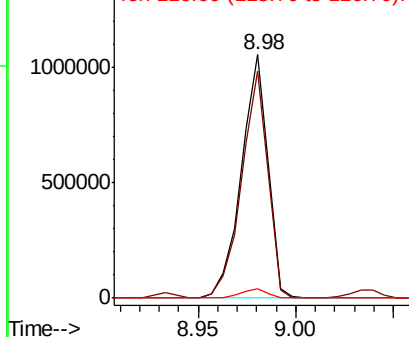
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.1	75.3	112.9
116	3.9	3.3	4.9

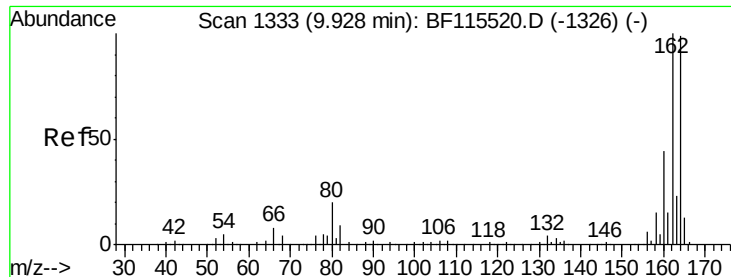
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





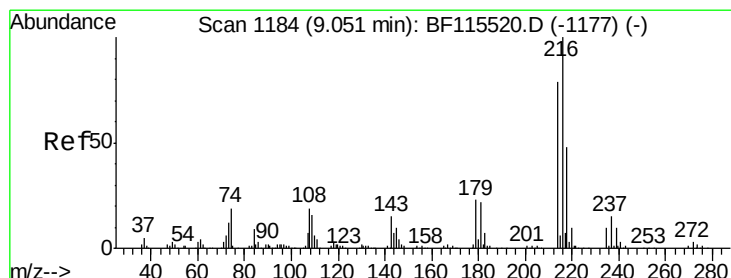
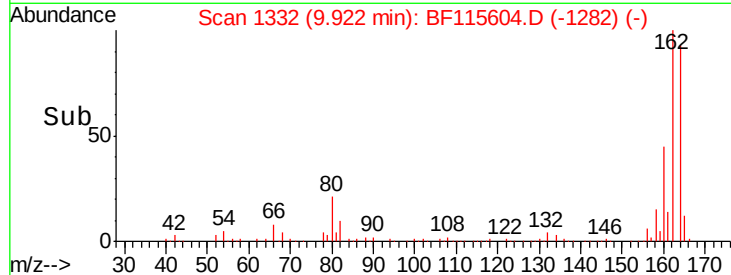
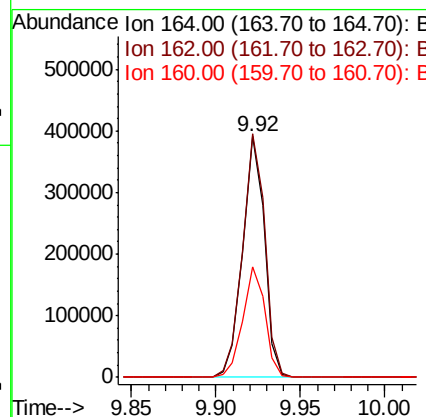
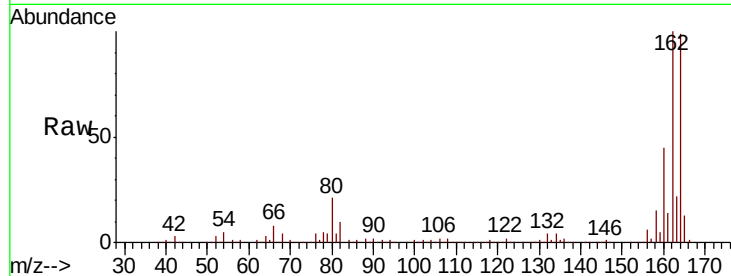
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Instrument :
 BNA_F
 ClientSampleID :
 RT-1873MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.9	124.3
160	45.8	36.8	55.2

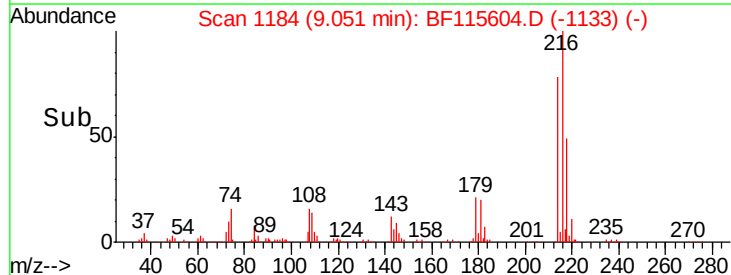
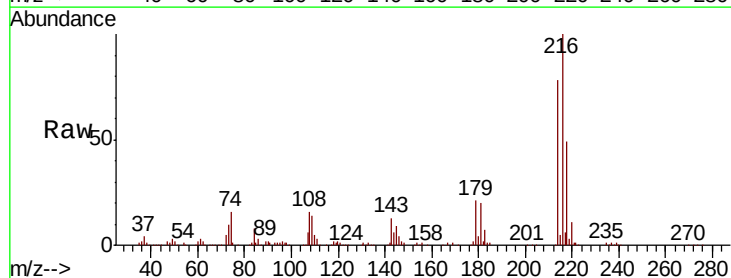
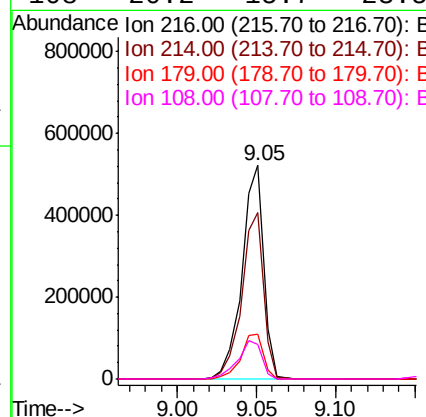
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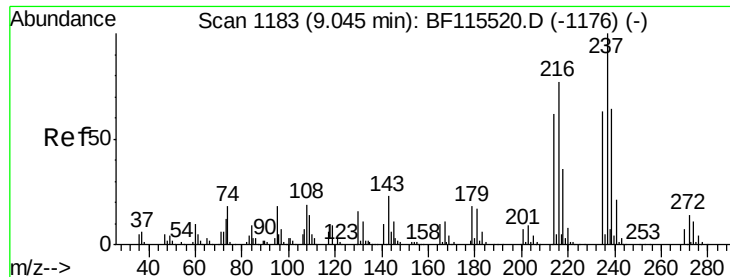
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.569 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.8	65.1	97.7
179	22.1	18.3	27.5
108	20.2	15.7	23.5





#41

Hexachlorocyclopentadiene

Concen: 48.513 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

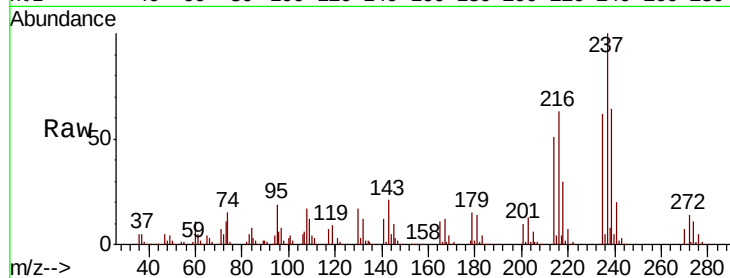
ClientSampleId :

RT-1873MS

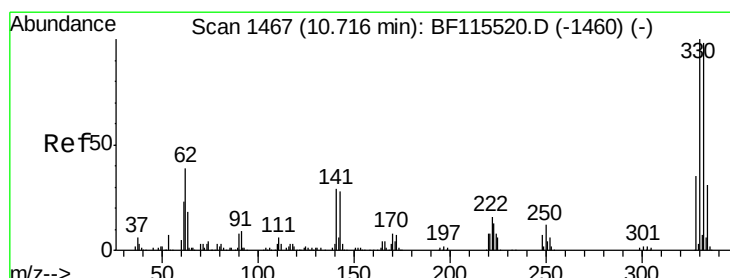
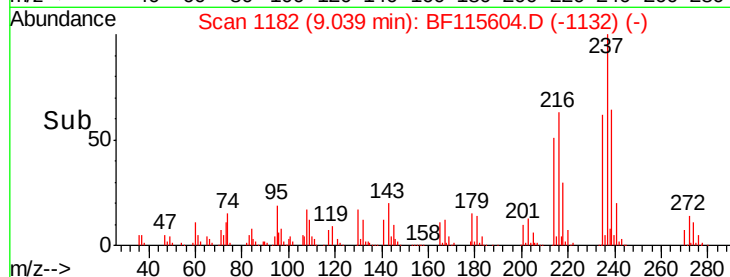
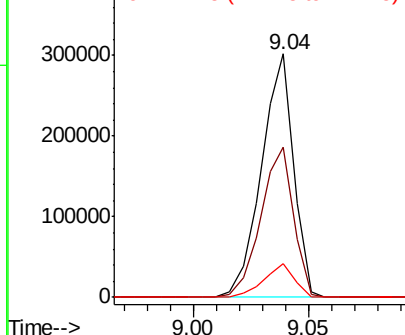
Tot Ion:	237	Resp:	292466
Ion Ratio	Lower	Upper	
237	100		
235	61.9	43.6	83.6
272	14.0	0.0	33.9

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



#42

2,4,6-Tribromophenol

Concen: 123.334 ng

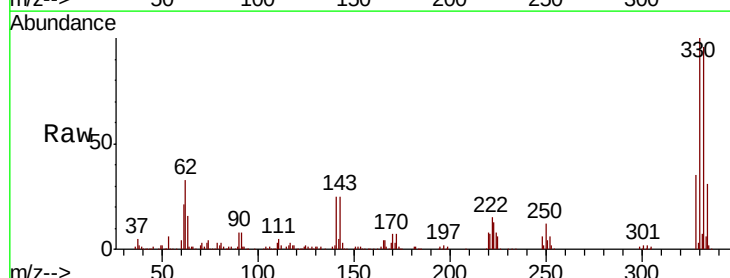
RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

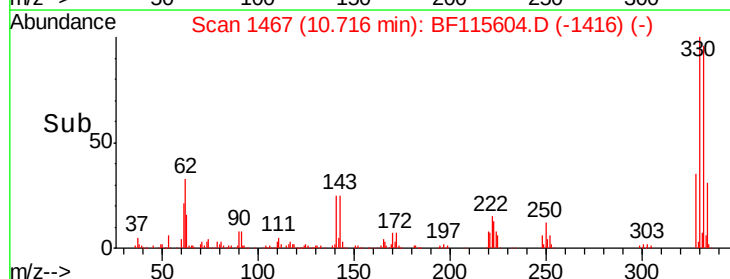
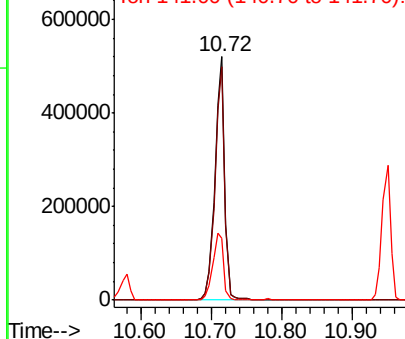
Lab File: BF115604.D

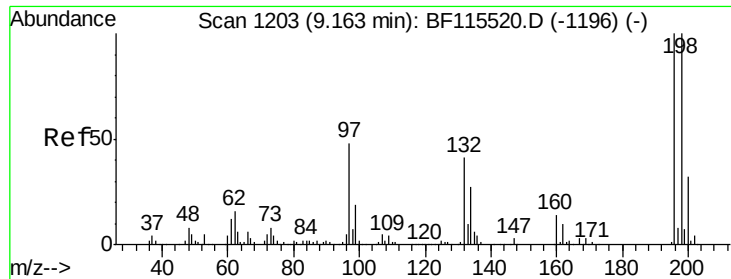
Acq: 16 Jul 2019 18:24

Tgt Ion:	330	Resp:	505228
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.4	116.2
141	30.6	22.4	33.6



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





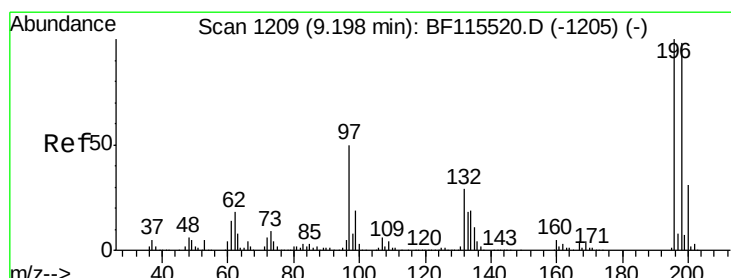
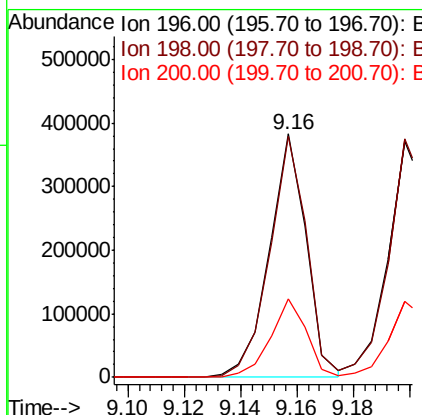
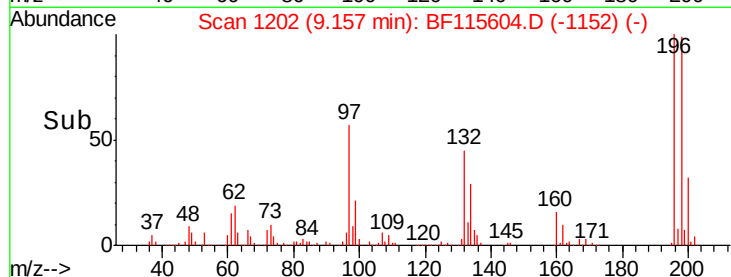
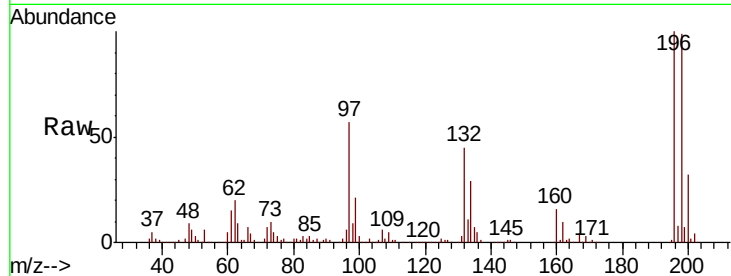
#43
 2,4,6-Trichlorophenol
 Concen: 44.835 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Instrument :
 BNA_F
 ClientSampled :
 RT-1873MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	346510		
198	99.0	80.6	121.0	
200	32.0	25.8	38.6	

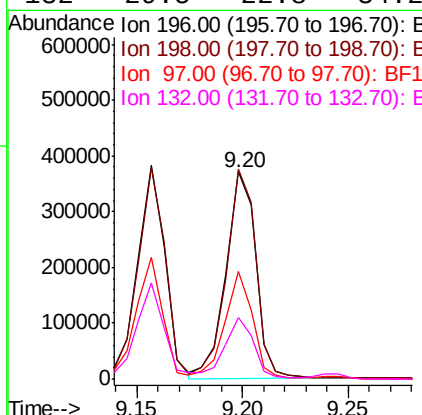
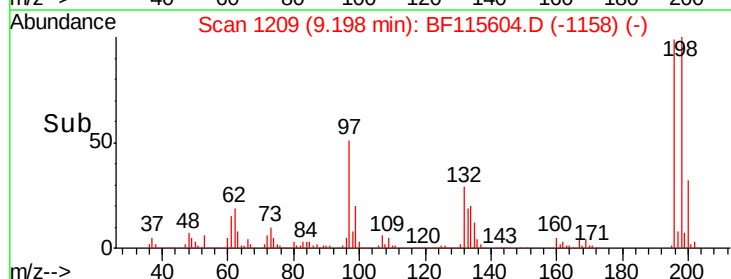
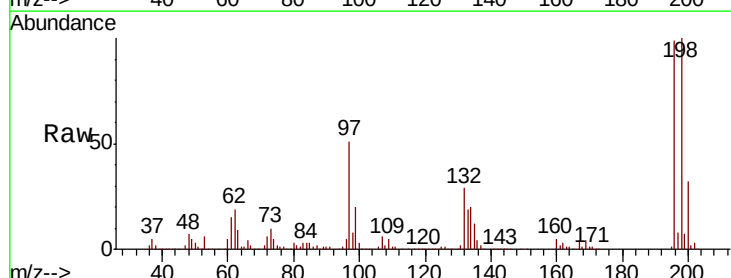
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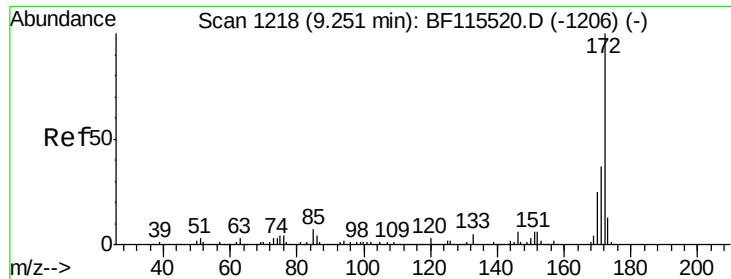
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 45.874 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	363082		
198	101.2	79.6	119.4	
97	51.7	37.8	56.6	
132	29.5	22.8	34.2	





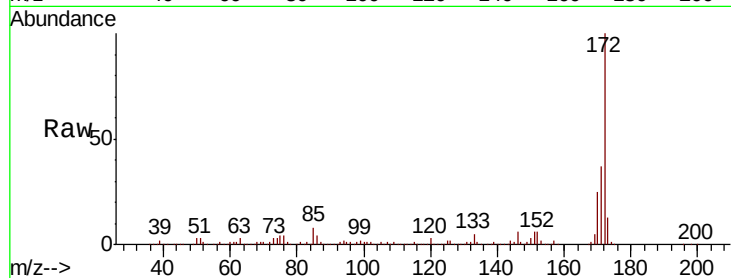
#45
2-Fluorobiphenyl
Concen: 95.622 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.8	30.6	46.0	
170	25.0	20.5	30.7	

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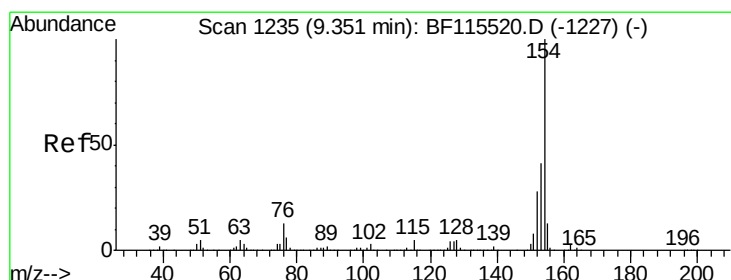
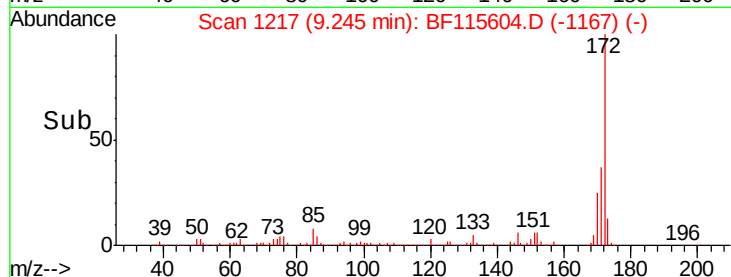
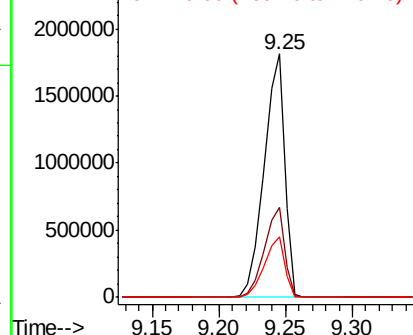


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.896 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

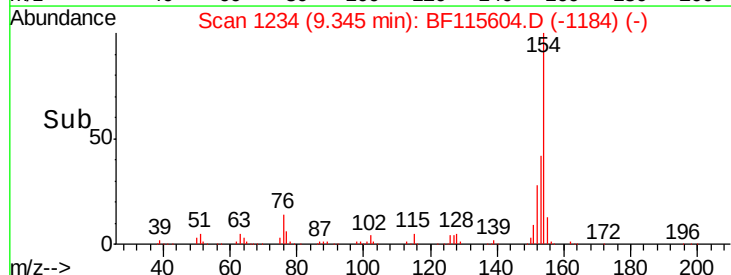
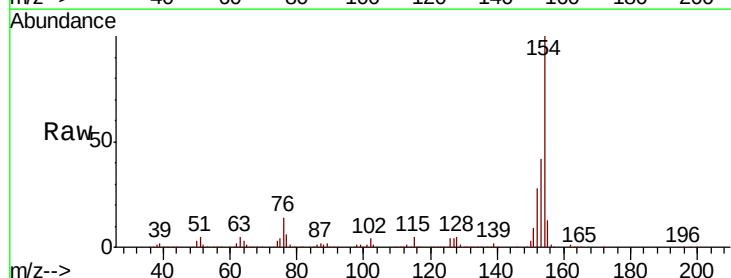
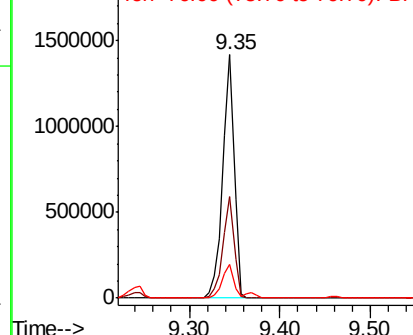
Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	41.6	22.6	62.6	
76	13.6	0.0	33.4	

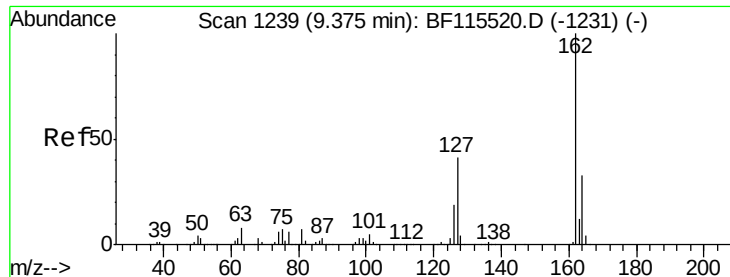
Abundance

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: 43.365 ng

RT: 9.37 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

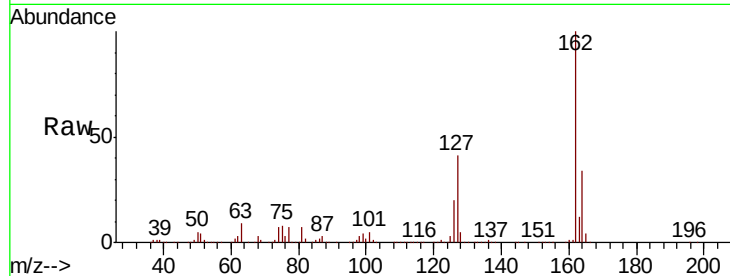
ClientSampled :

RT-1873MS

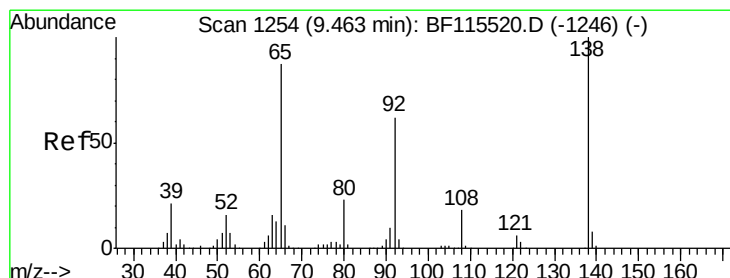
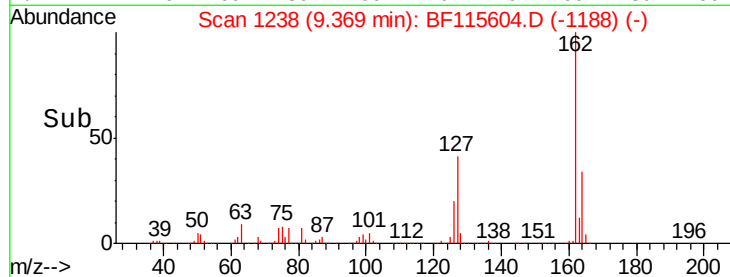
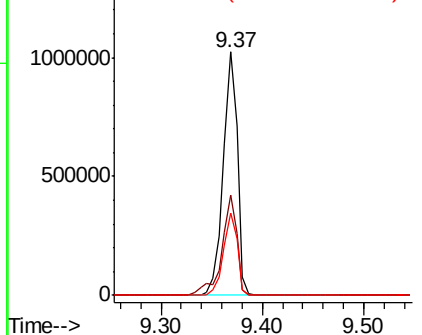
Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	41.4	34.1	51.1		
164	33.6	27.4	41.2		

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



#48

2-Nitroaniline

Concen: 45.080 ng

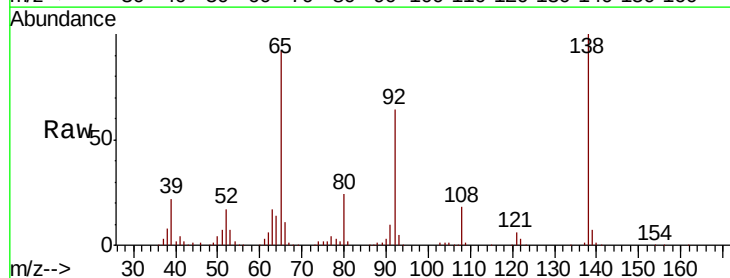
RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

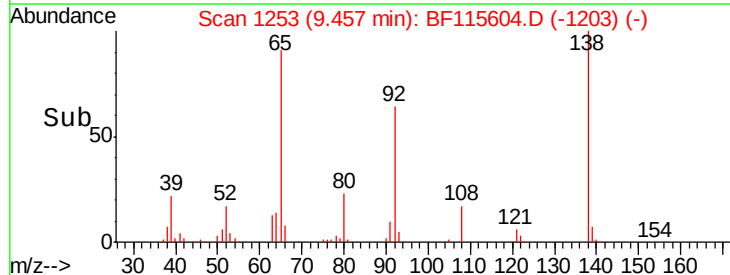
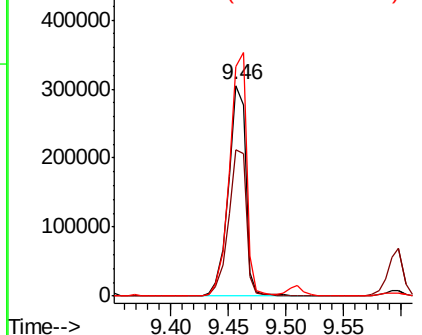
Lab File: BF115604.D

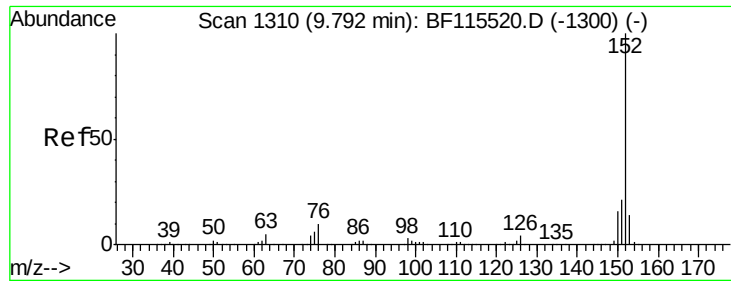
Acq: 16 Jul 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	69.6	57.8	86.6		
138	109.1	91.2	136.8		



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





#49

Acenaphthylene

Concen: 47.783 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:152 Resp: 1617508

Ion Ratio Lower Upper

152 100

151 21.7 17.7 26.5

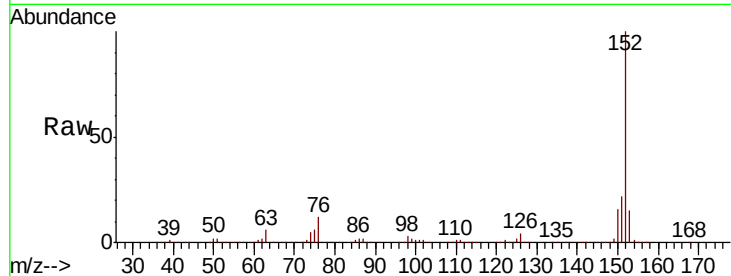
153 14.6 12.0 18.0

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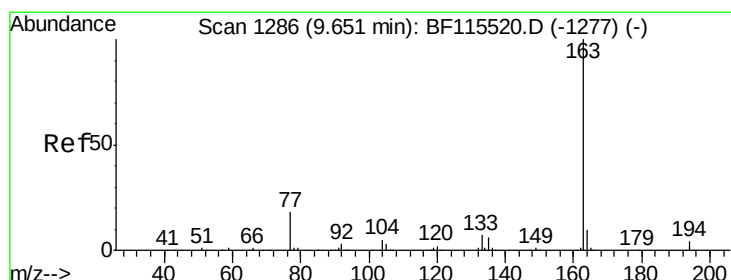
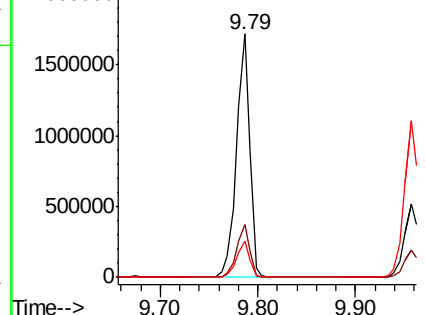
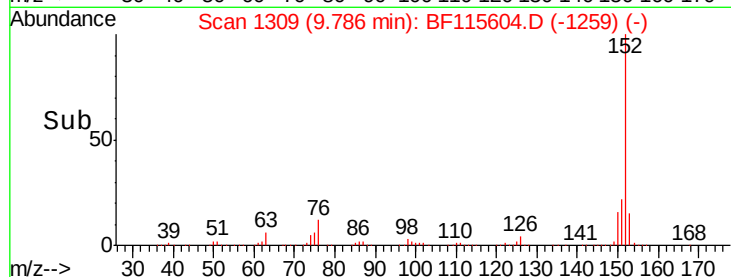
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 60.258 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

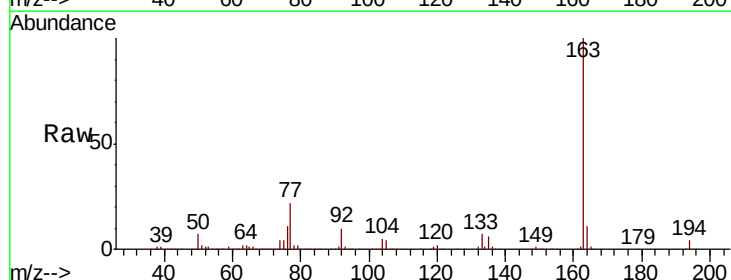
Tgt Ion:163 Resp: 1591062

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

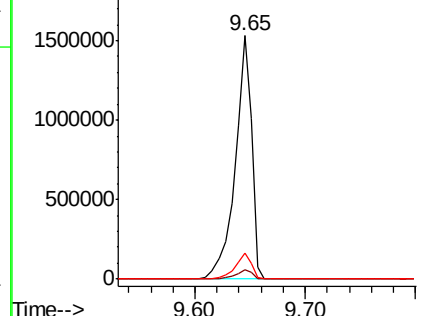
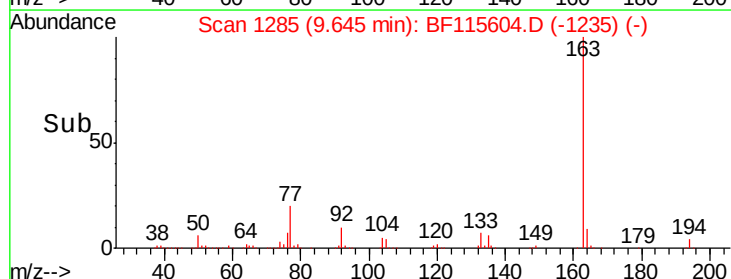
164 10.8 8.7 13.1

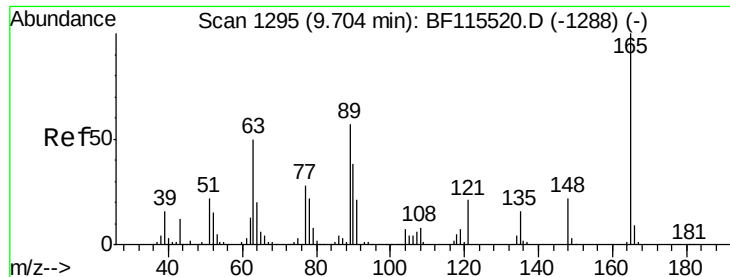


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.100 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.00 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

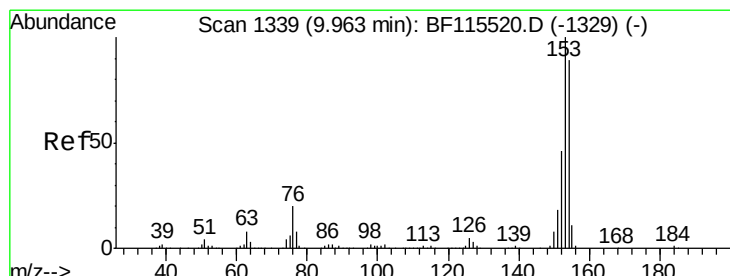
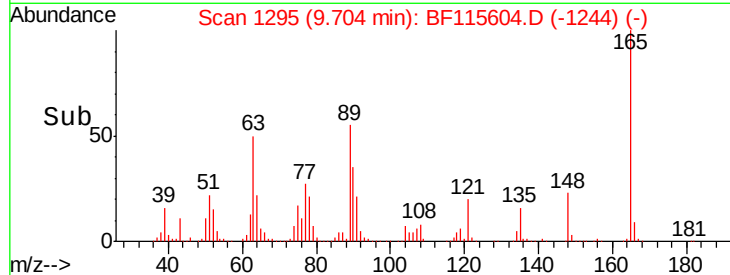
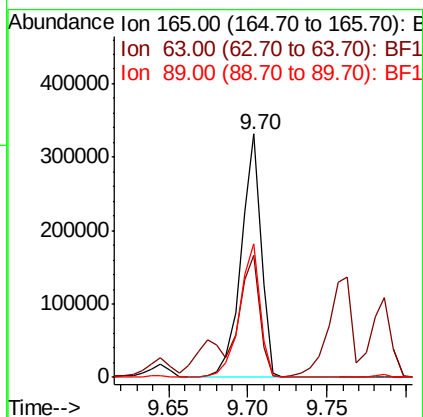
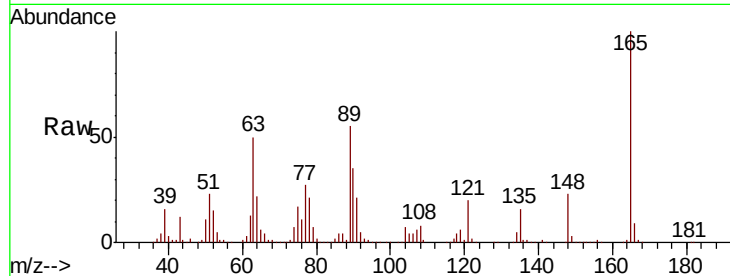
ClientSampleId :

RT-1873MS

Tot Ion:	165	Resp:	288625
Ion Ratio	Lower	Upper	
165	100		
63	50.1	40.6	61.0
89	54.8	43.9	65.9

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#52

Acenaphthene

Concen: 44.178 ng

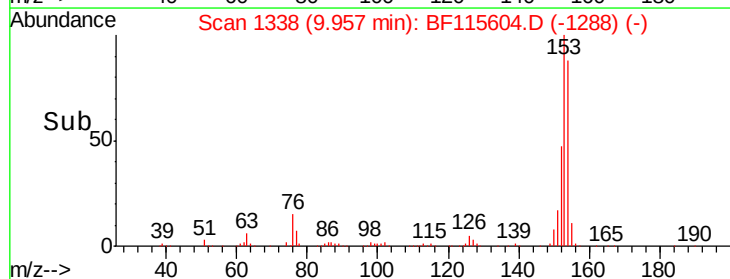
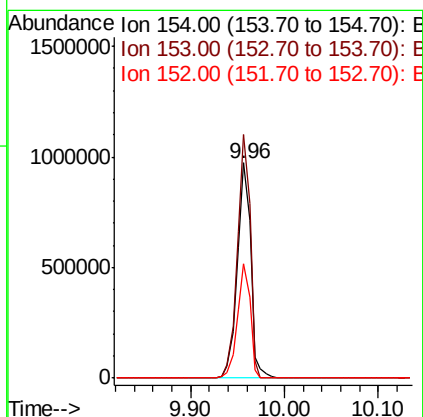
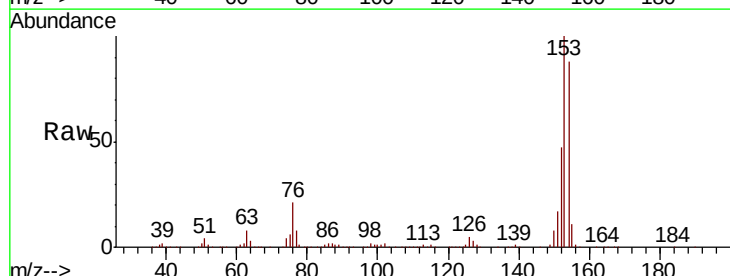
RT: 9.96 min Scan# 1338

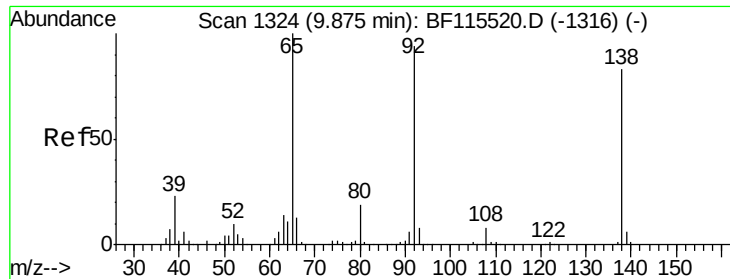
Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Tgt Ion:	154	Resp:	965493
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.6	133.0
152	53.1	42.3	63.5





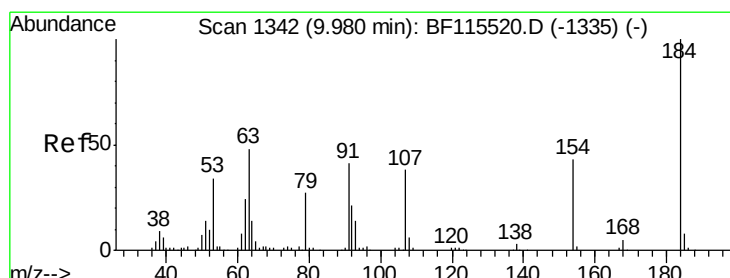
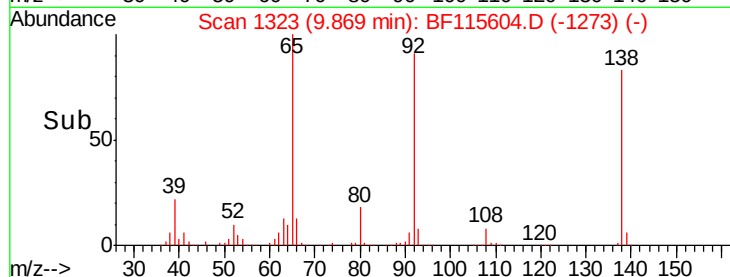
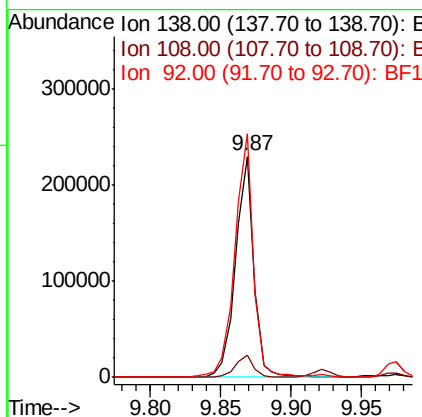
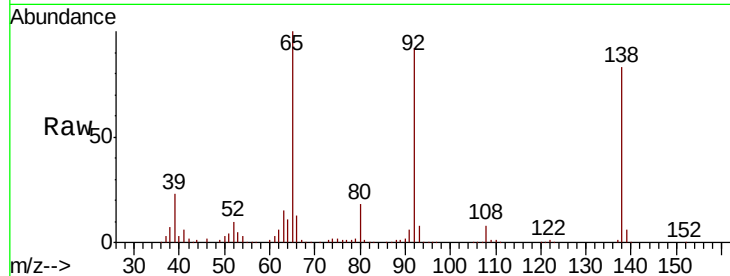
#53
3-Nitroaniline
Concen: 30.448 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.4	12.6
92	110.4	88.0	132.0

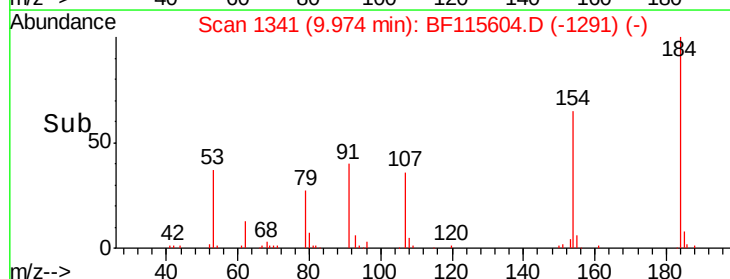
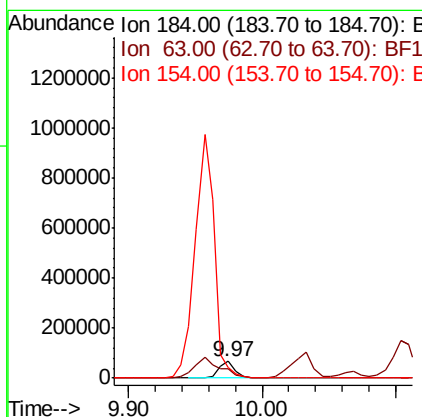
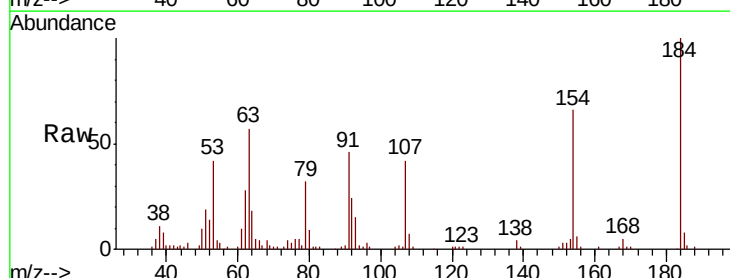
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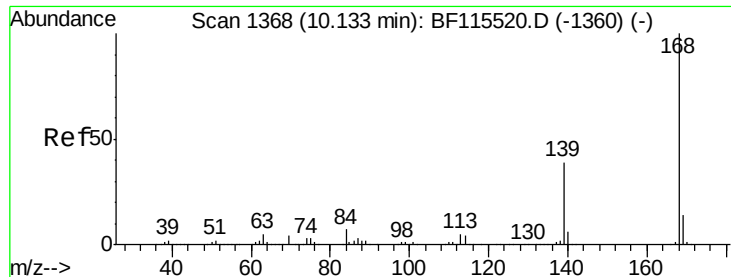
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#54
2,4-Dinitrophenol
Concen: 19.482 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.3	48.7	73.1
154	65.9	48.6	73.0





#55

Dibenzofuran

Concen: 44.382 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:168 Resp: 1377461

Ion Ratio Lower Upper

168 100

139 39.5 31.1 46.7

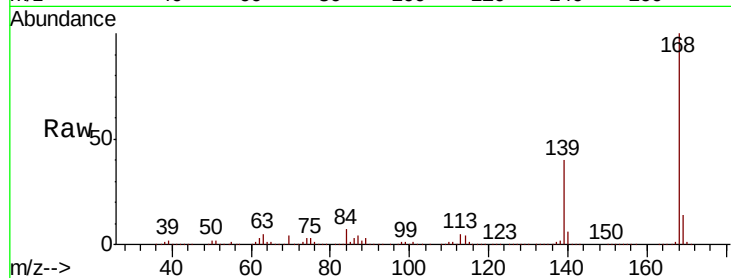
169 14.2 11.1 16.7

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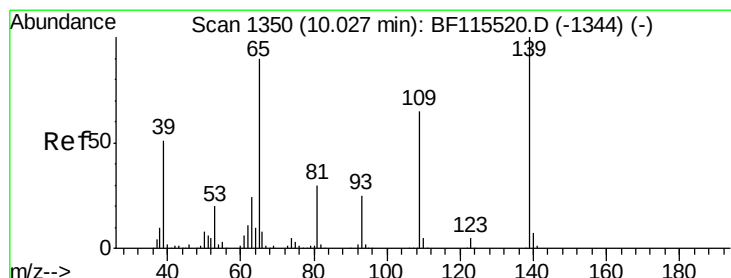
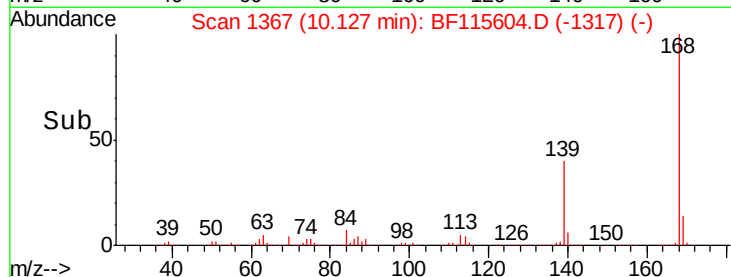
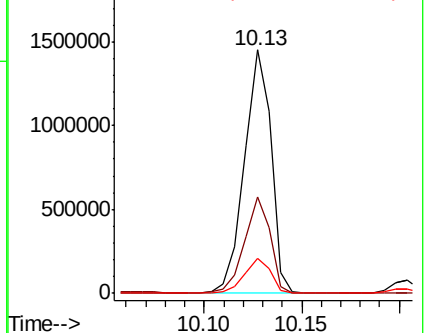
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 87.835 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

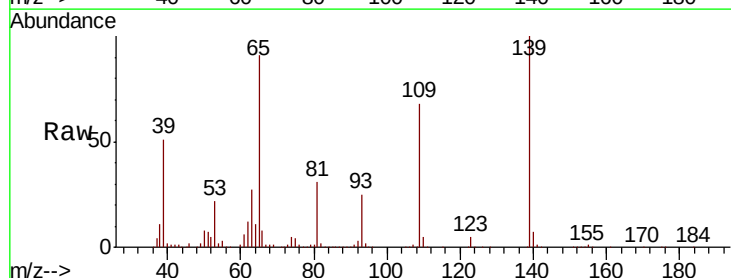
Tgt Ion:139 Resp: 459283

Ion Ratio Lower Upper

139 100

109 67.7 46.4 86.4

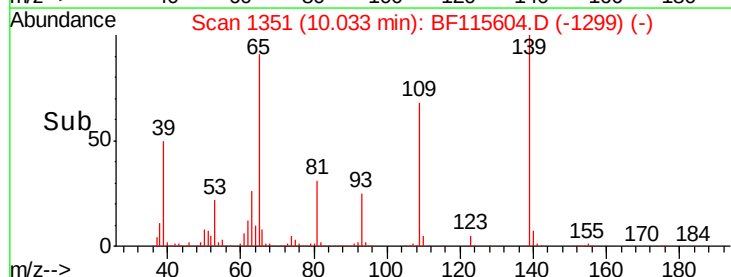
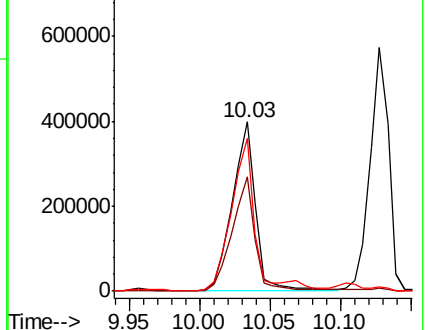
65 90.6 68.9 108.9

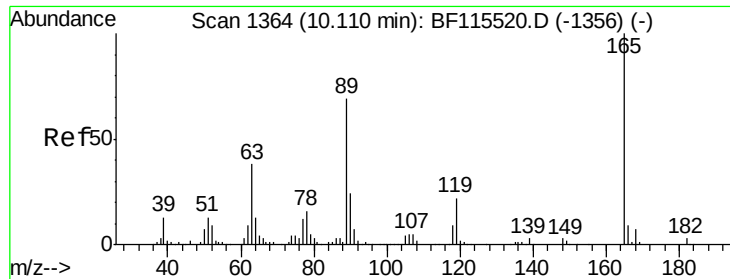


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





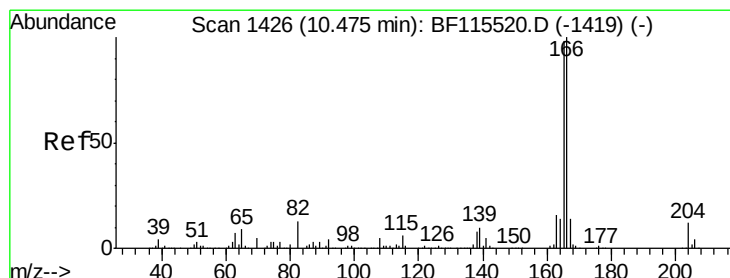
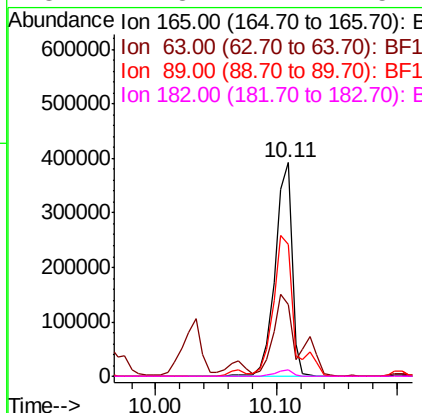
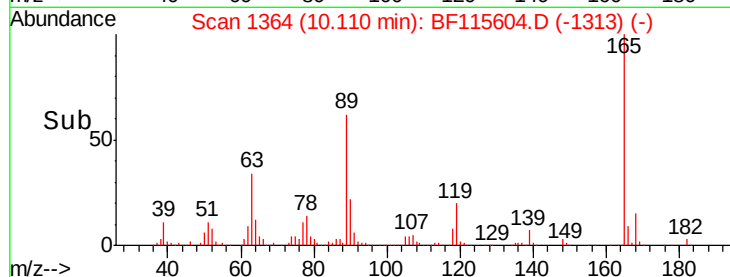
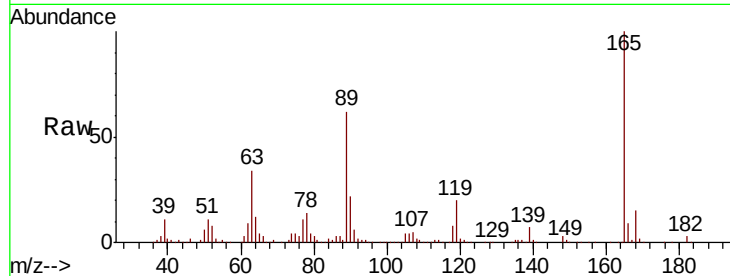
#57
 2,4-Dinitrotoluene
 Concen: 48.330 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		375721		
63	33.8	34.9	52.3		
89	61.8	57.5	86.3		
182	2.8	2.2	3.4		

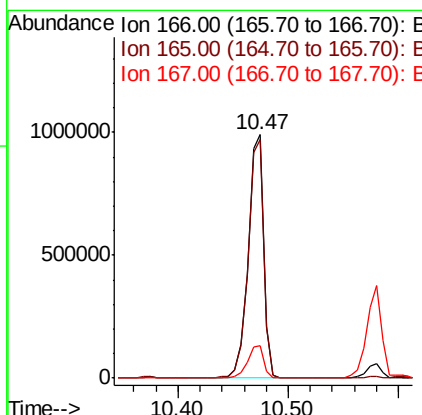
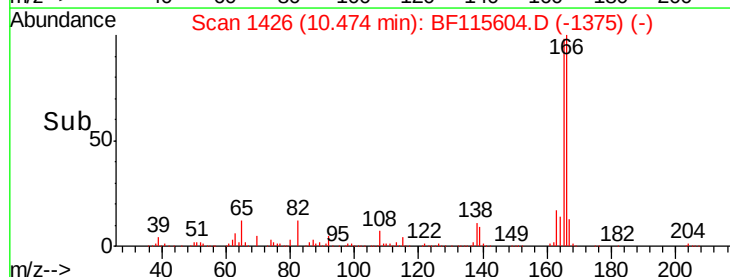
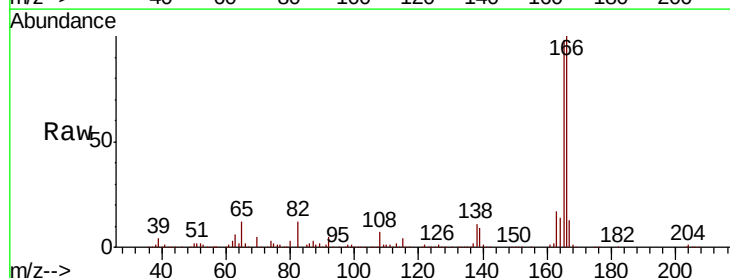
Manual Integrations
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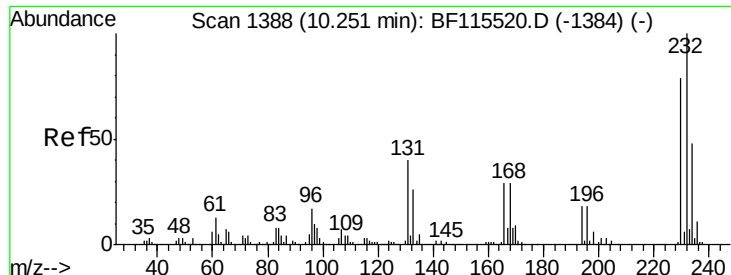
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#58
 Fluorene
 Concen: 43.846 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		972826		
165	97.8	79.8	119.6		
167	13.3	11.2	16.8		





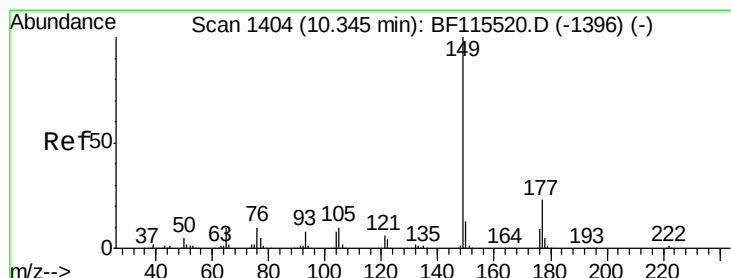
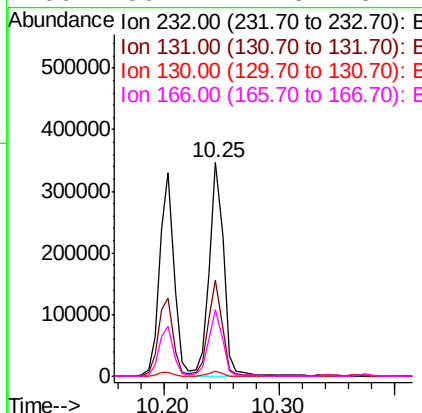
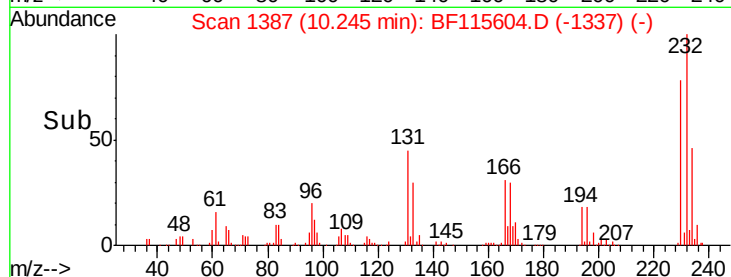
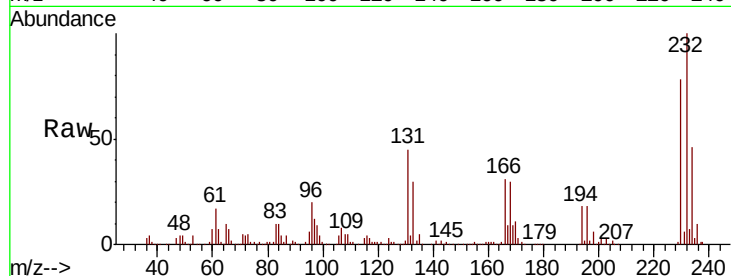
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.249 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampled :
RT-1873MS

Tot Ion:	232	Resp:	299380
Ion Ratio	Lower	Upper	
232	100		
131	44.3	35.9	53.9
130	2.2	1.8	2.6
166	30.2	24.8	37.2

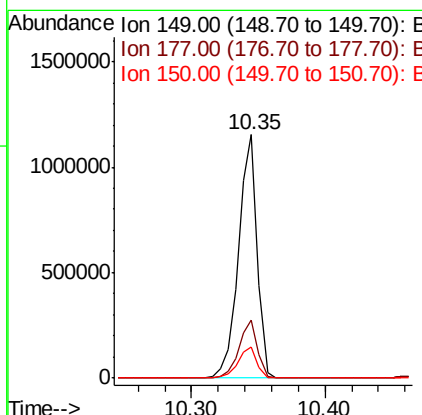
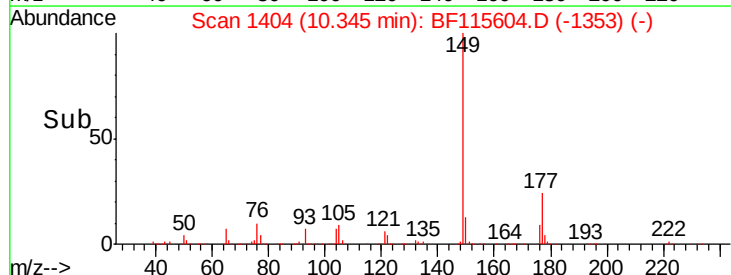
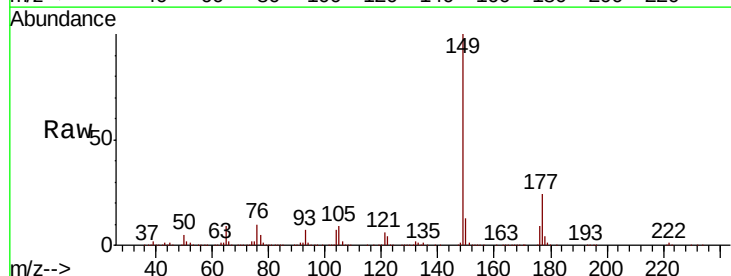
Manual Integrations
APPROVED

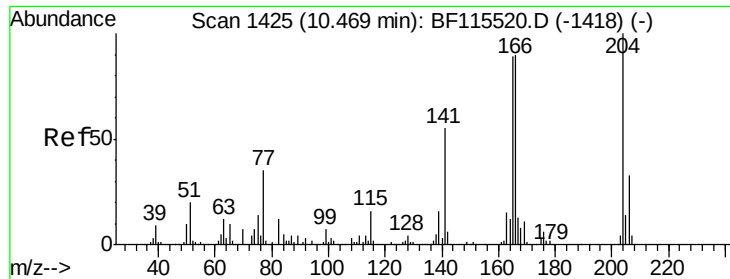
mohammad
7/17/2019 12:06:28 PM



#60
Diethylphthalate
Concen: 45.160 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion:	149	Resp:	1117241
Ion Ratio	Lower	Upper	
149	100		
177	23.7	19.5	29.3
150	12.7	10.4	15.6





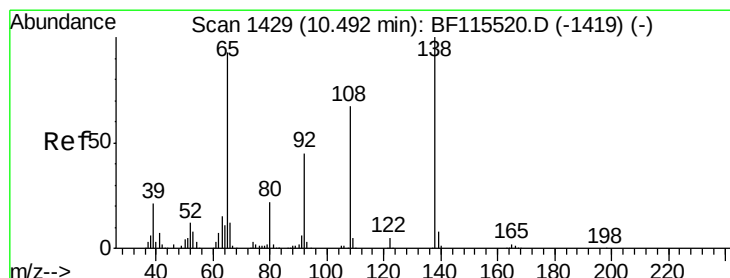
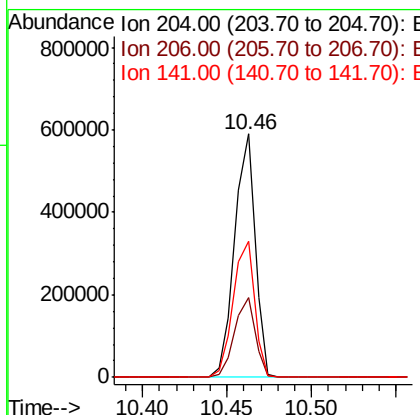
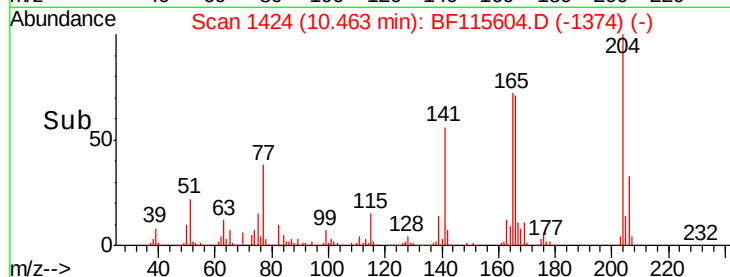
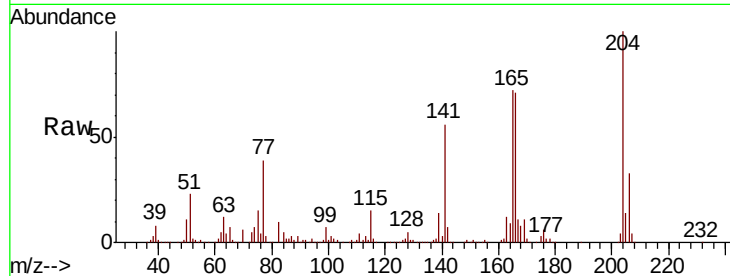
#61
4-Chlorophenyl-phenylether
Concen: 40.621 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.7	40.1
141	55.9	44.2	66.2

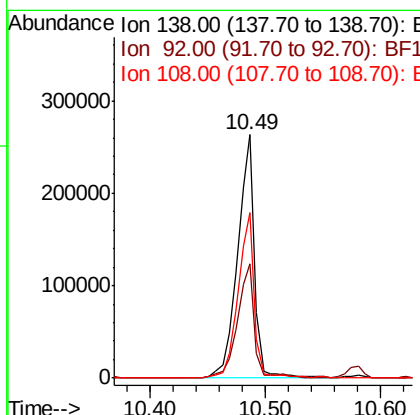
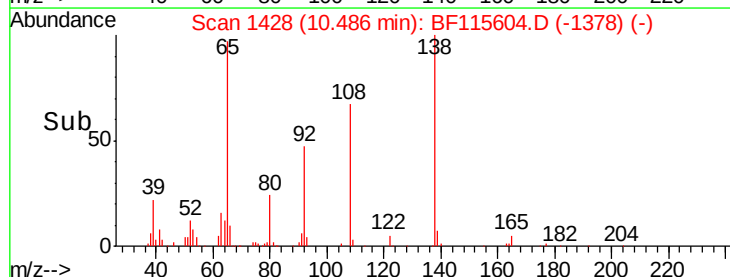
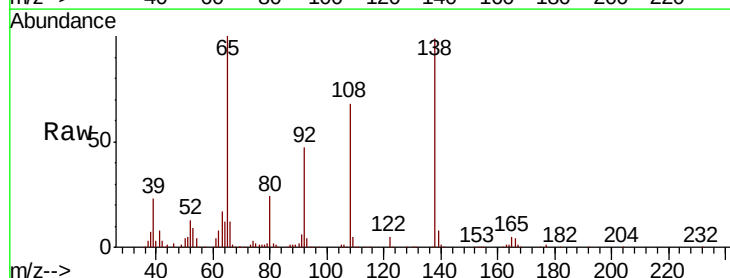
Manual Integrations
APPROVED

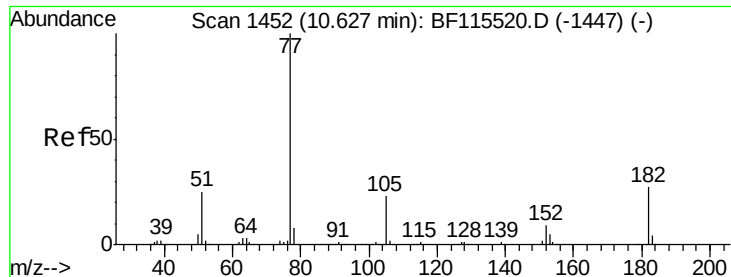
mohammad
7/17/2019 12:06:28 PM



#62
4-Nitroaniline
Concen: 40.755 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.1	27.1	67.1
108	68.2	48.0	88.0





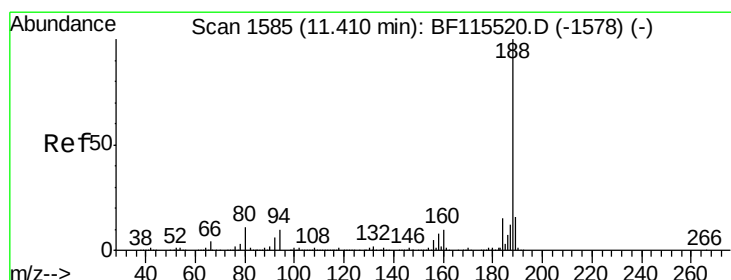
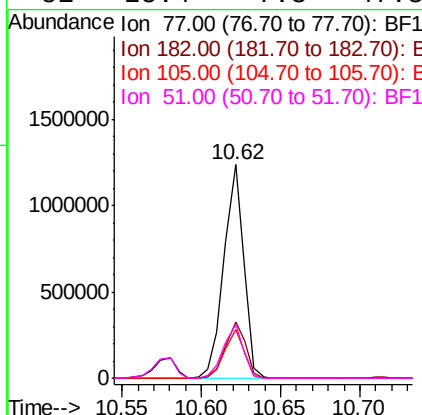
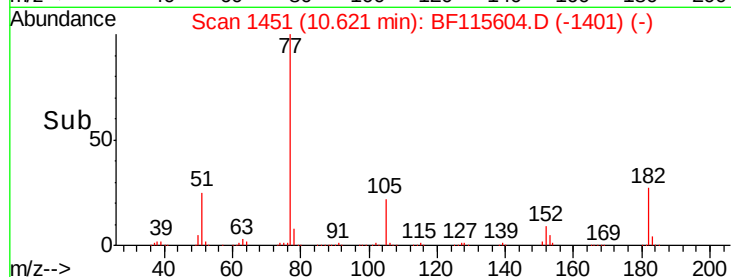
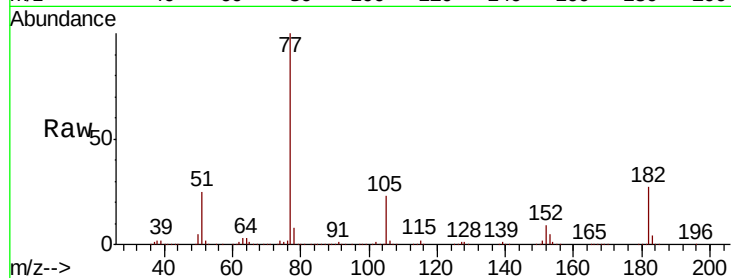
#63
Azobenzene
Concen: 44.833 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.6	6.9	46.9	
105	22.8	3.9	43.9	
51	25.4	7.3	47.3	

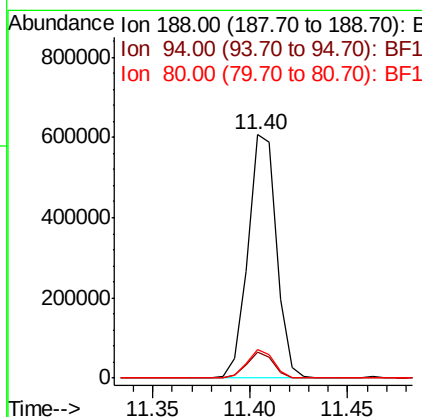
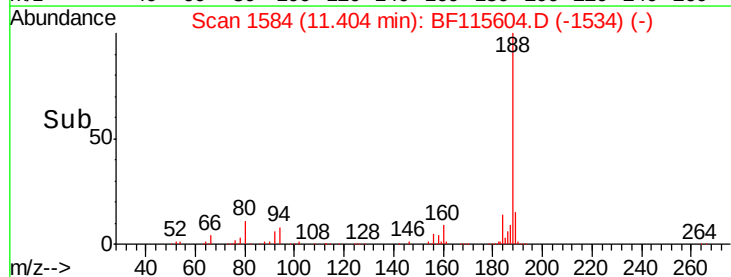
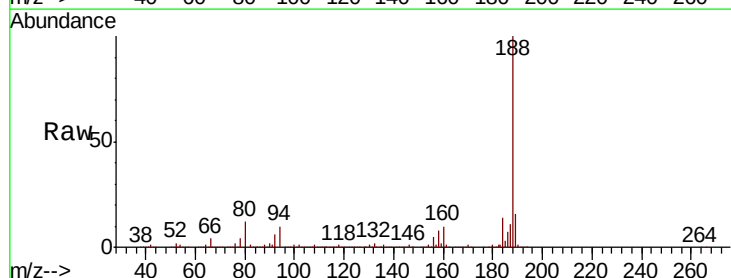
Manual Integrations
APPROVED

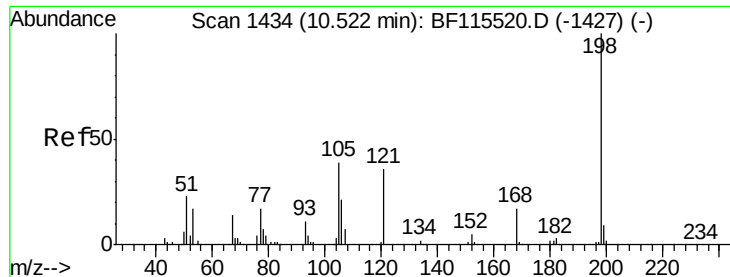
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.5	7.8	11.6	
80	11.5	8.6	13.0	





#65

4,6-Dinitro-2-methylphenol

Concen: 24.609 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:198 Resp: 92687

Ion Ratio Lower Upper

198 100

51 36.7 19.1 59.1

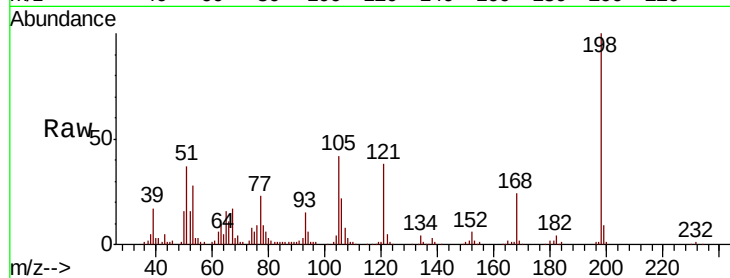
105 41.5 23.6 63.6

Manual Integrations

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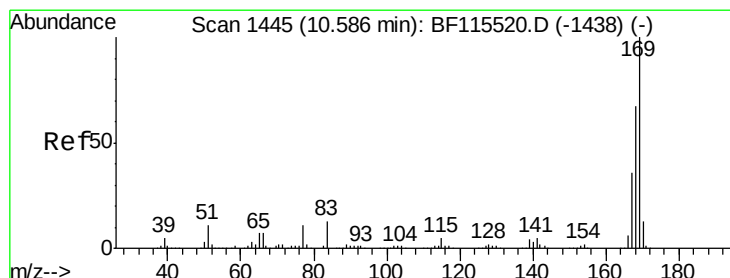
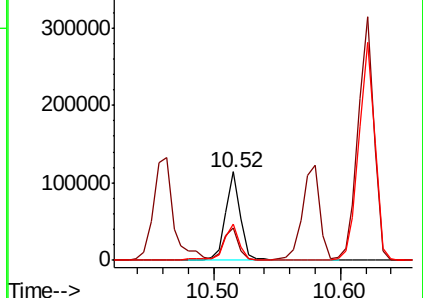
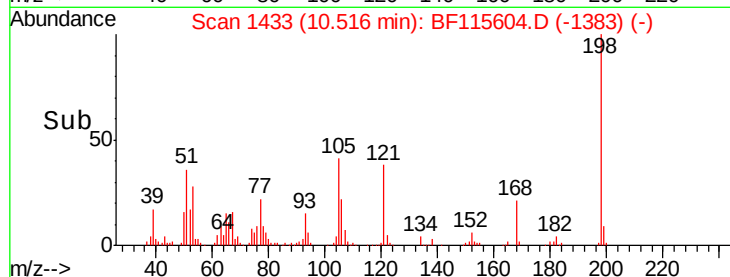
7/17/2019 12:06:28 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.689 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

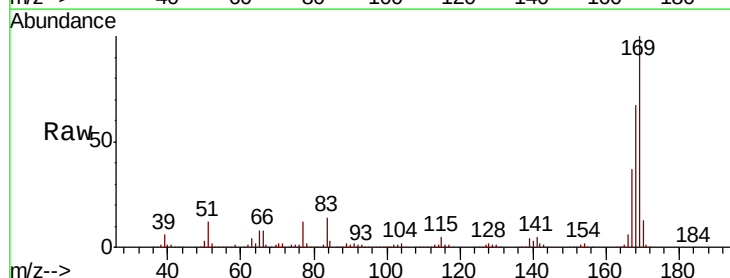
Tgt Ion:169 Resp: 952813

Ion Ratio Lower Upper

169 100

168 67.2 54.3 81.5

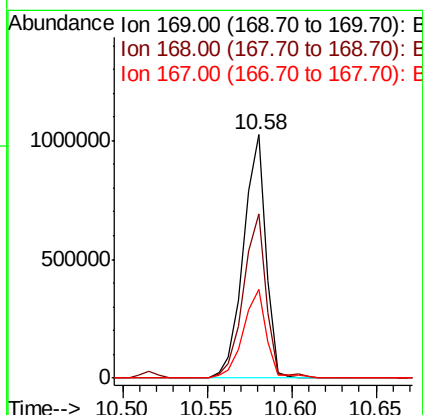
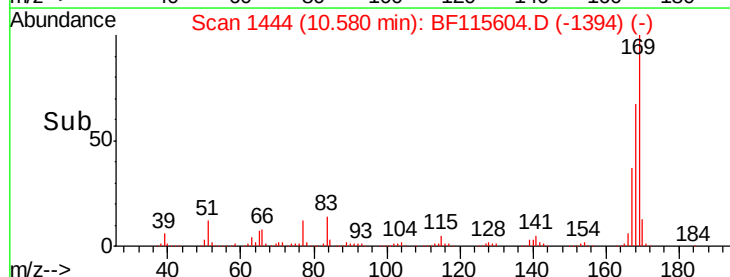
167 36.7 30.2 45.2

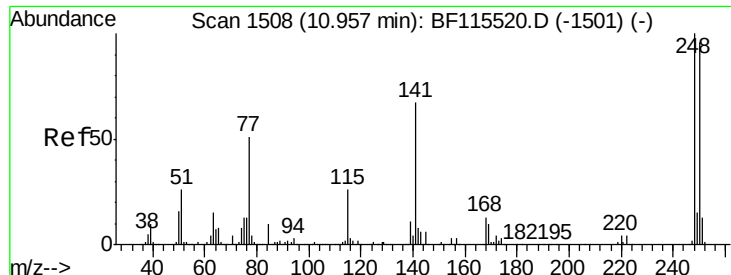


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





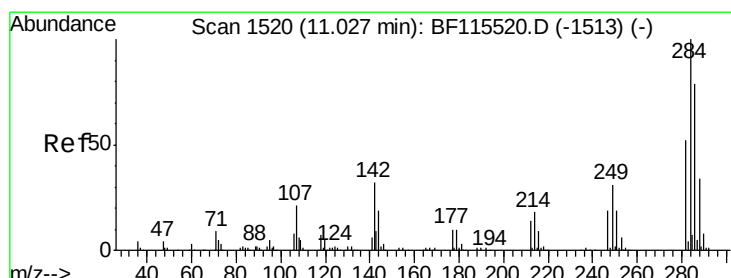
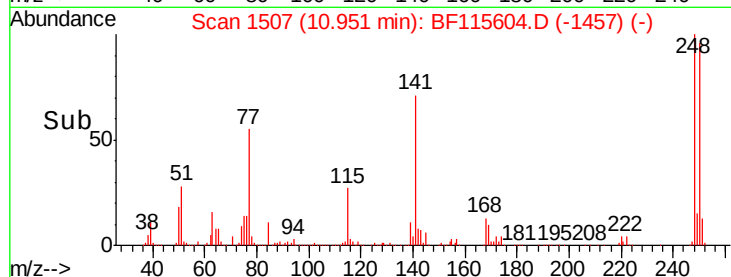
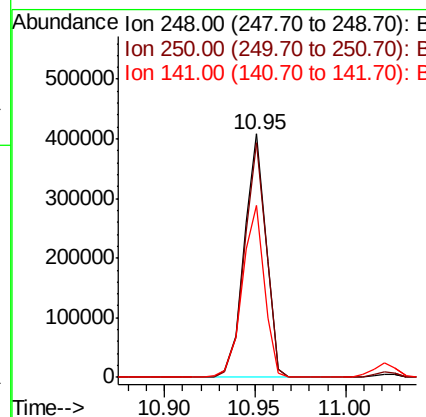
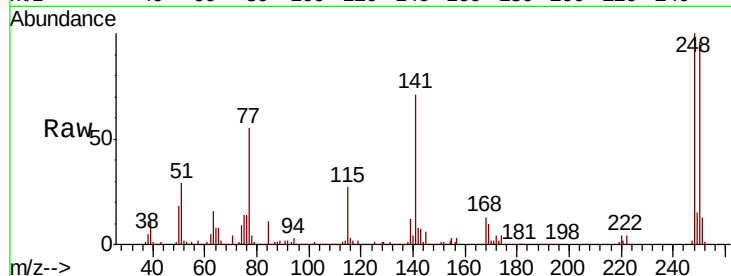
#67
4-Bromophenyl-phenylether
Concen: 48.217 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampled :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.1	78.0	117.0
141	70.7	57.7	86.5

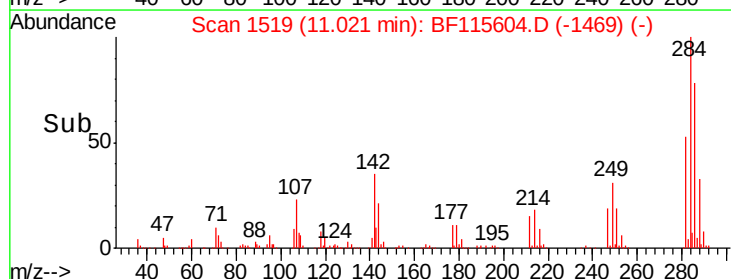
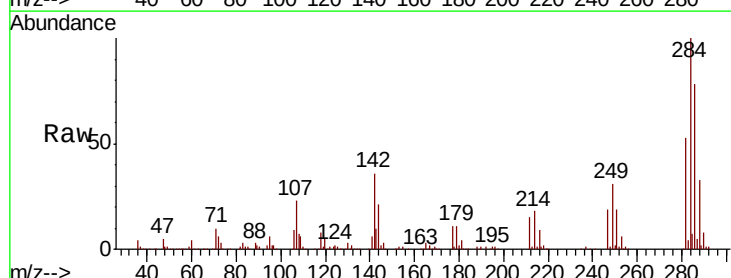
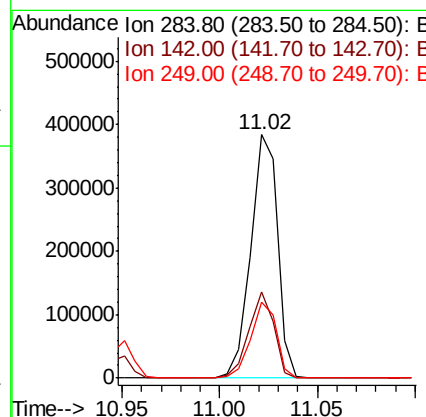
Manual Integrations
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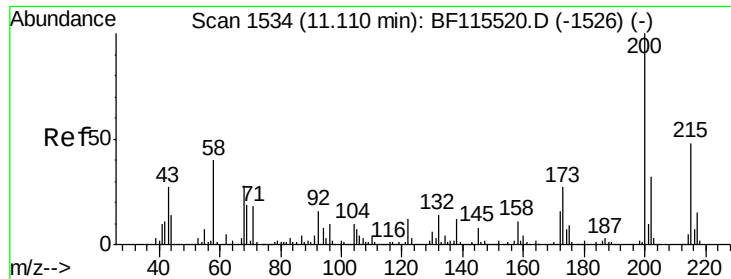
mohammad
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#68
Hexachlorobenzene
Concen: 45.451 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.6	22.2	33.2#
249	30.9	23.4	35.2





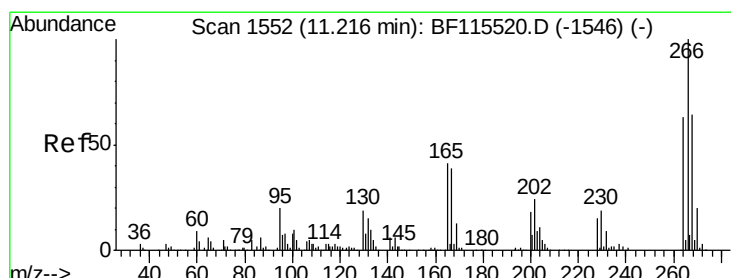
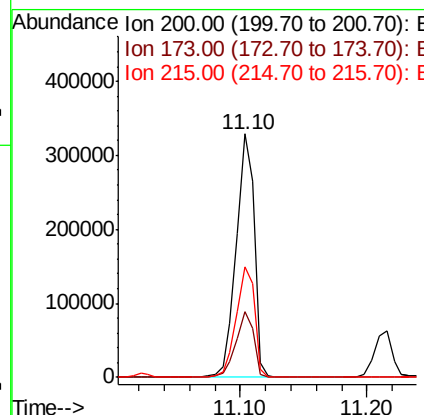
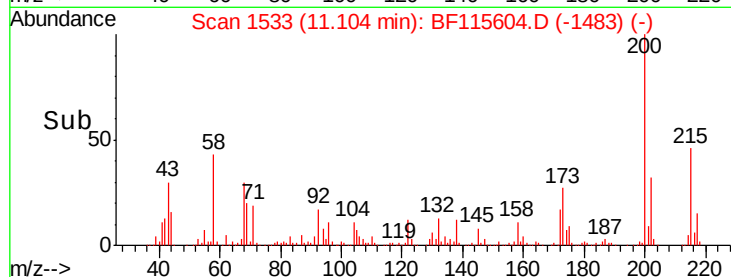
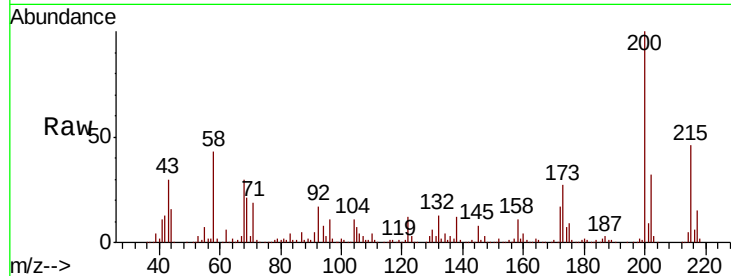
#69
Atrazine
Concen: 50.973 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	320656		
173	27.0	6.9	46.9	
215	45.6	27.9	67.9	

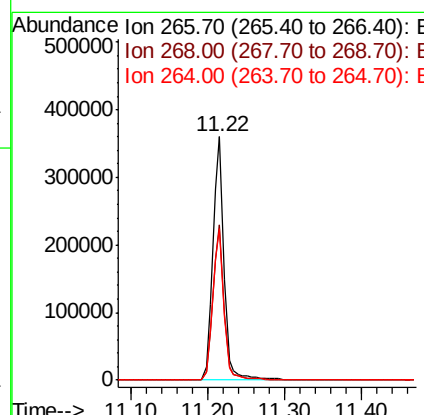
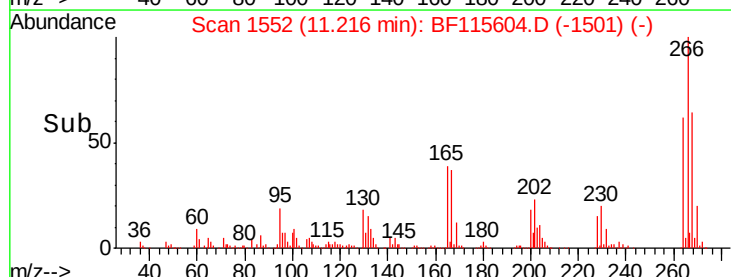
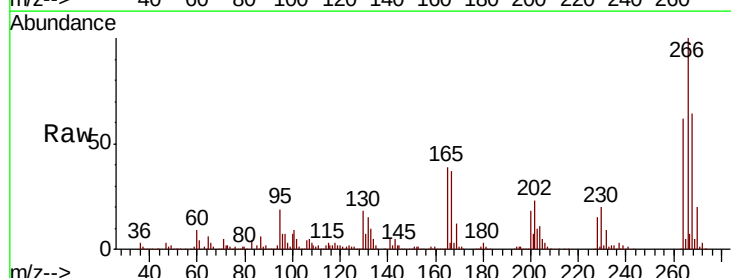
Manual Integrations
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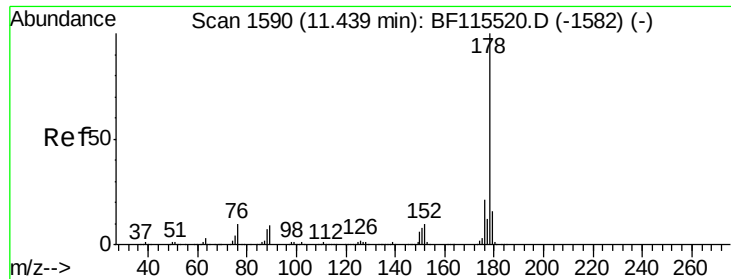
mohammad
7/17/2019 12:06:28 PM



#70
Pentachlorophenol
Concen: 73.144 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	359900		
268	63.9	51.6	77.4	
264	62.1	50.6	76.0	





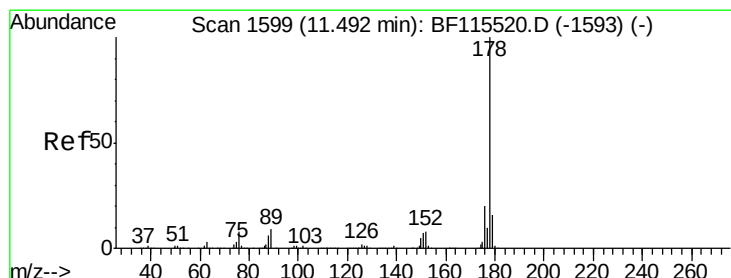
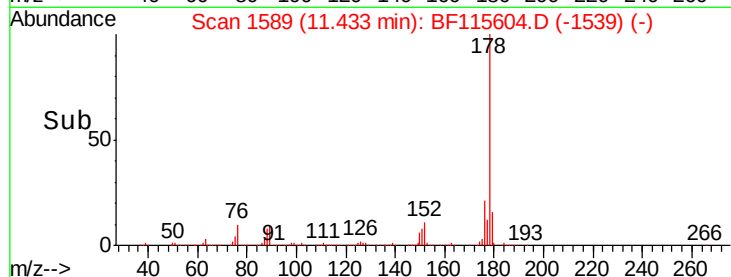
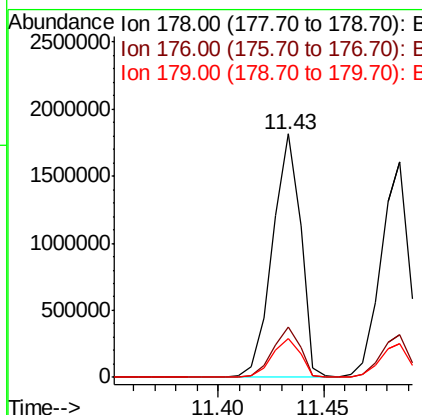
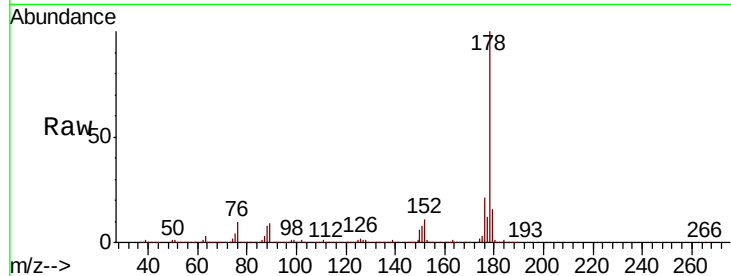
#71
Phenanthrene
Concen: 53.303 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion:178 Resp: 1684323
Ion Ratio Lower Upper
178 100
176 20.6 17.2 25.8
179 16.1 13.5 20.3

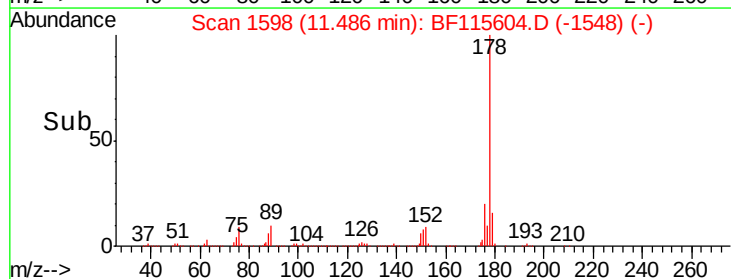
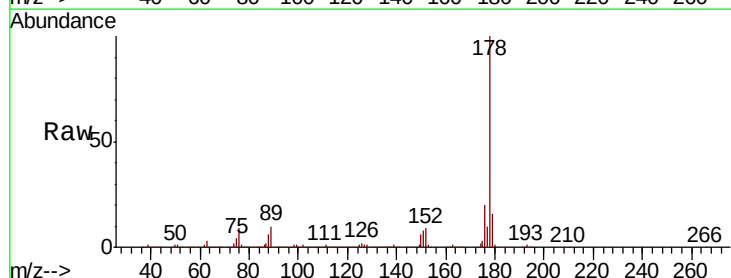
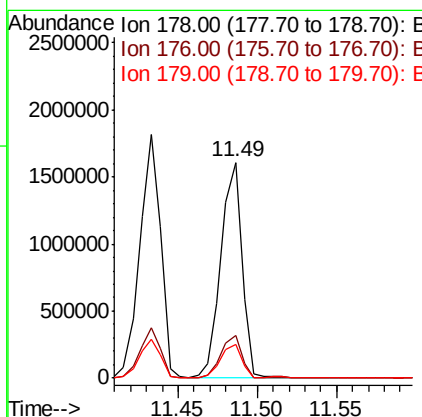
Manual Integrations
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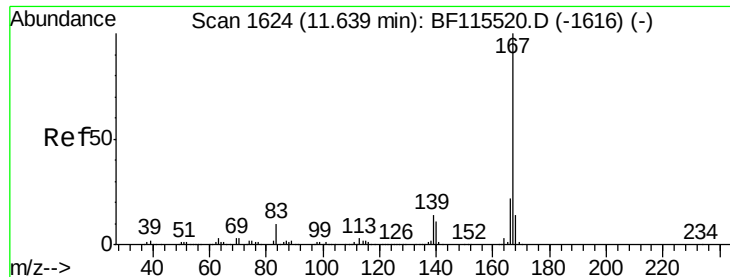
mohammad
7/17/2019 12:06:28 PM



#72
Anthracene
Concen: 45.821 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion:178 Resp: 1496325
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.8 12.7 19.1





#73

Carbazole

Concen: 48.228 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:167 Resp: 1381096

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

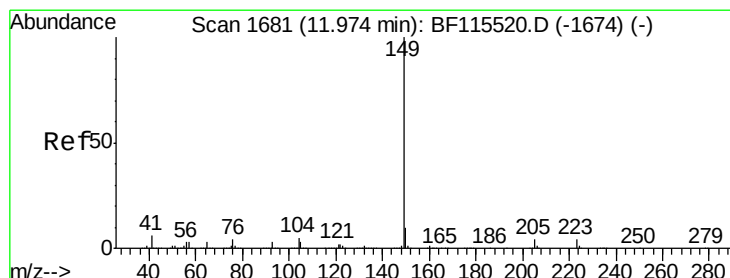
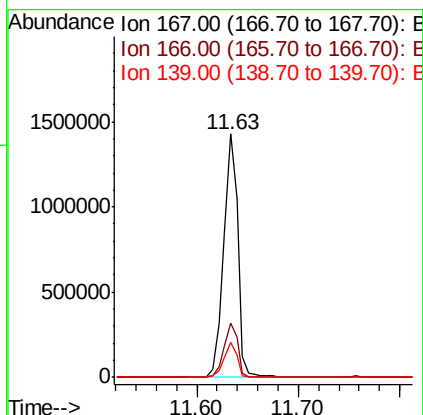
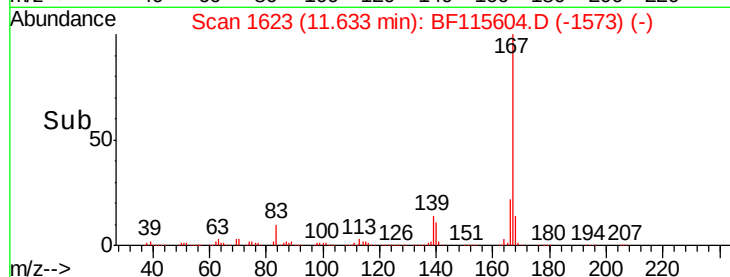
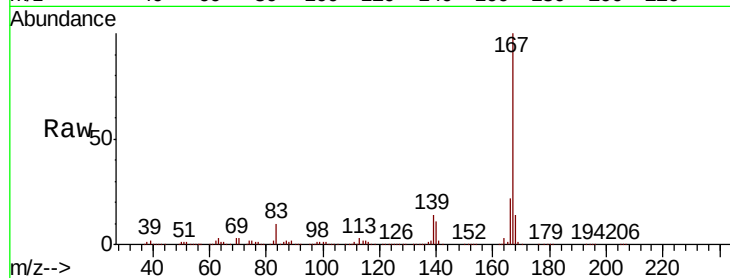
139 14.1 11.3 16.9

Manual Integrations

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#74

Di-n-butylphthalate

Concen: 47.545 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

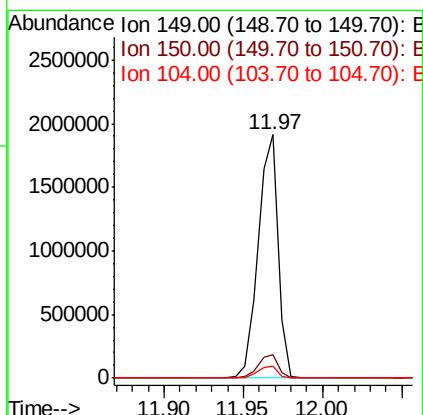
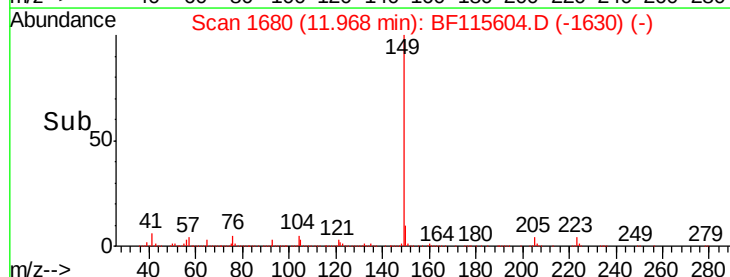
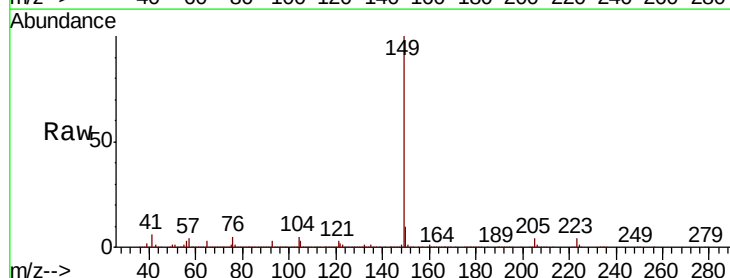
Tgt Ion:149 Resp: 1677120

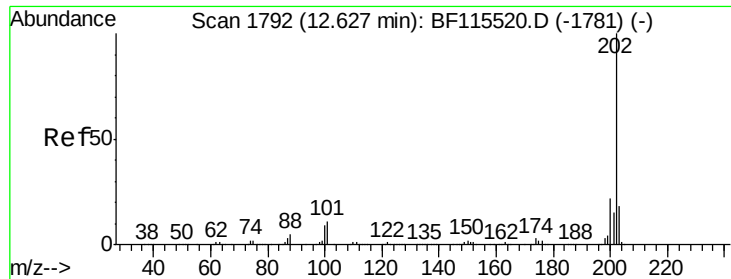
Ion Ratio Lower Upper

149 100

150 9.7 7.7 11.5

104 5.1 3.8 5.8





#75

Fluoranthene

Concen: 53.488 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

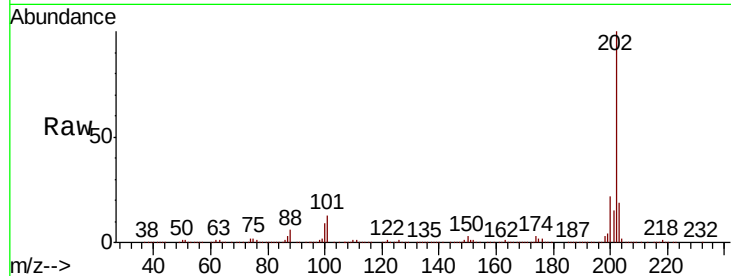
ClientSampleId :

RT-1873MS

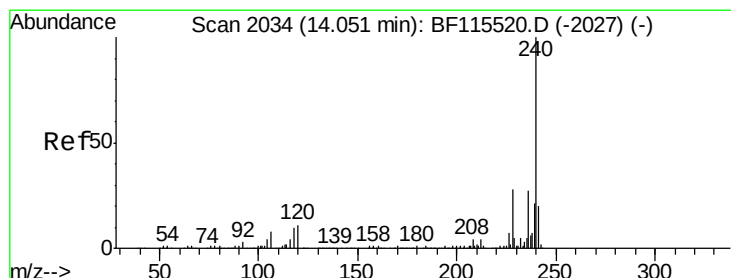
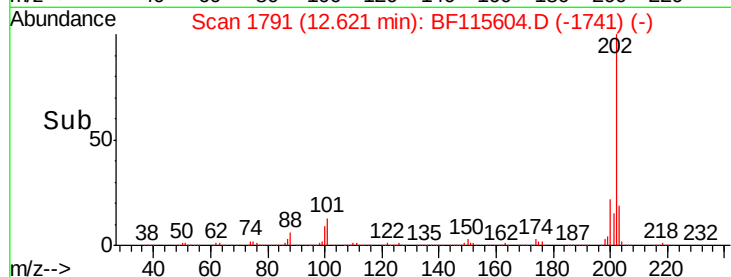
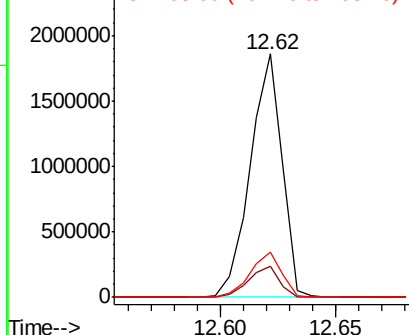
Tot Ion:	202	Resp:	1786054
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.4
203	18.5	0.0	38.1

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



#76

Chrysene-d12

Concen: 20.000 ng

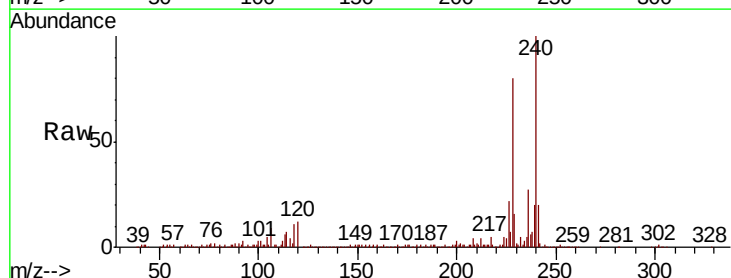
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

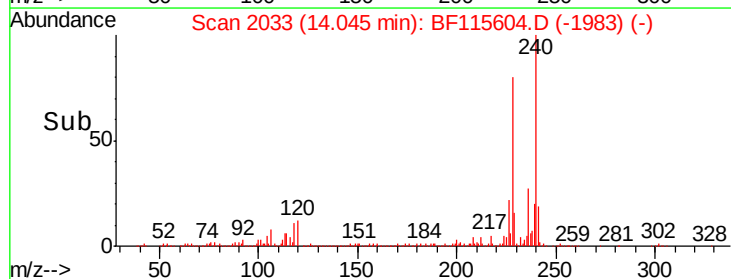
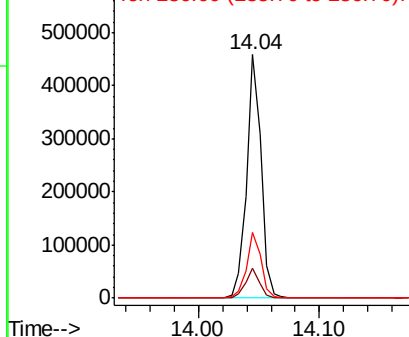
Lab File: BF115604.D

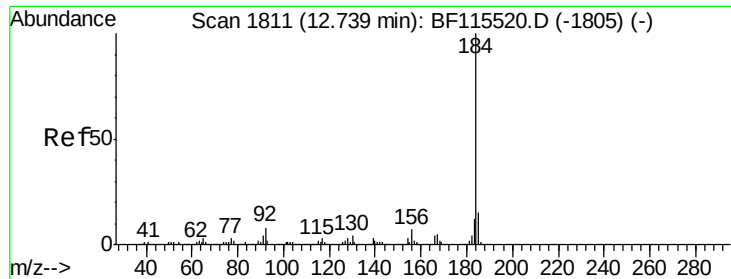
Acq: 16 Jul 2019 18:24

Tgt Ion:	240	Resp:	384905
Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.6	13.0
236	27.1	21.3	31.9



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





#77

Benzidine

Concen: 41.821 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

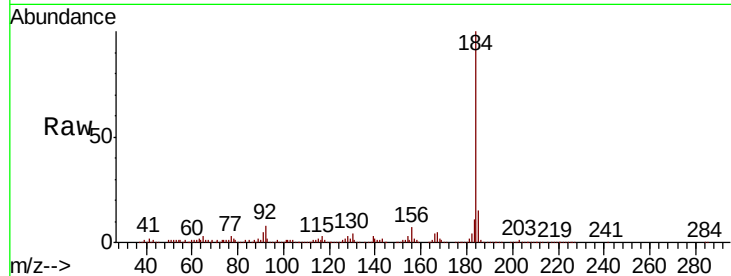
ClientSampleId :

RT-1873MS

Tot Ion:	184	Resp:	570245
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.0	18.0
183	11.4	9.3	13.9

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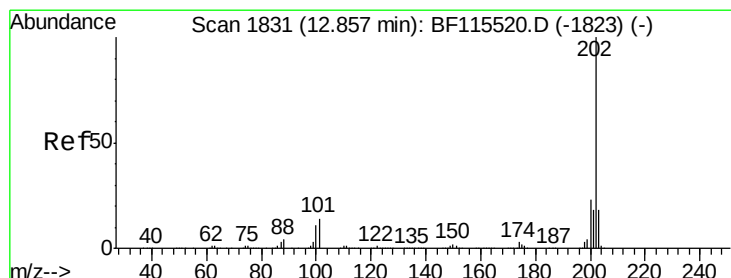
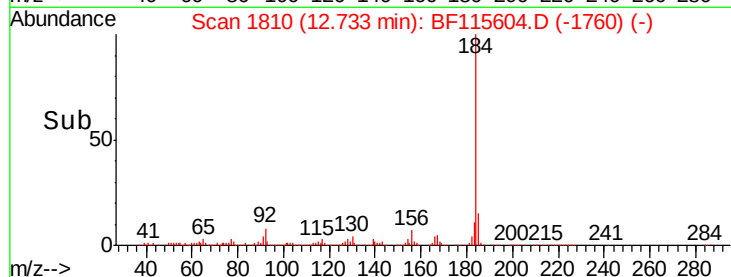
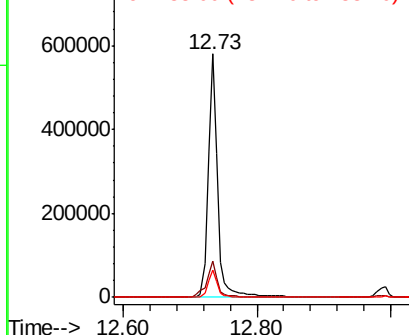


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.820 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

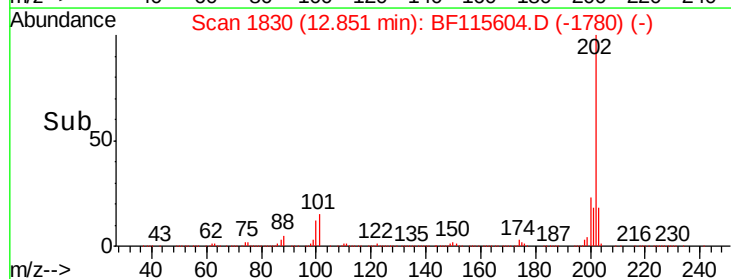
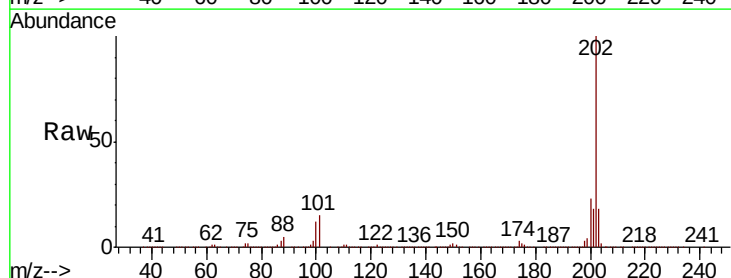
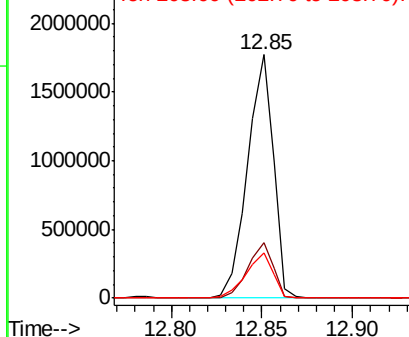
Tgt Ion:	202	Resp:	1755087
Ion Ratio	Lower	Upper	
202	100		
200	22.6	18.7	28.1
203	18.3	15.2	22.8

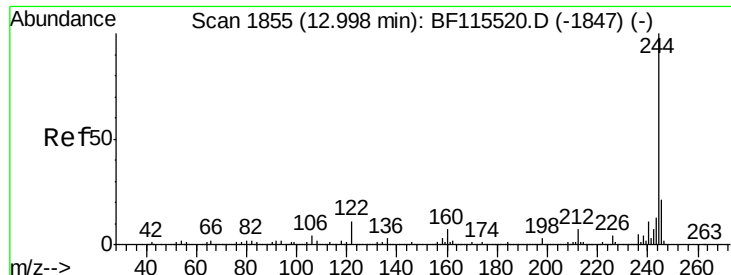
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





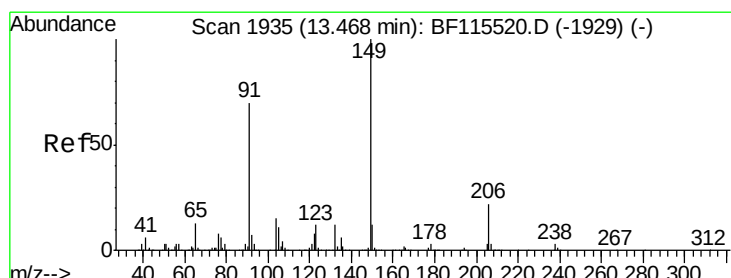
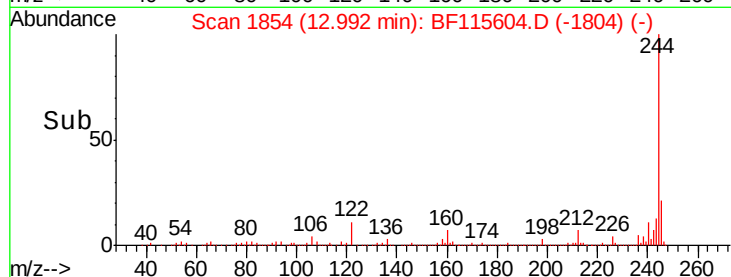
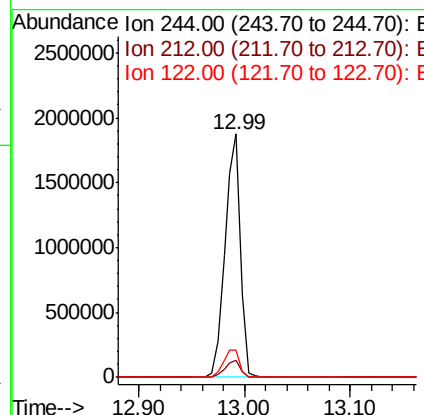
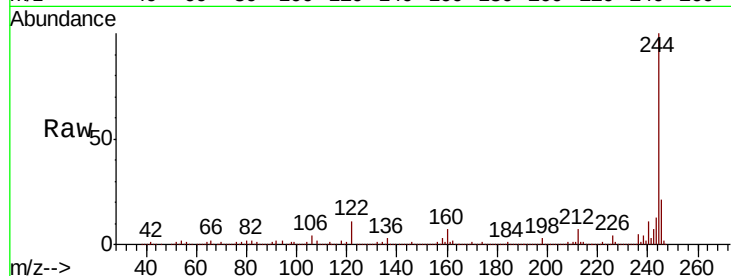
#79
 Terphenyl-d14
 Concen: 91.420 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Instrument :
 BNA_F
 ClientSampleId :
 RT-1873MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.2	8.6	12.8

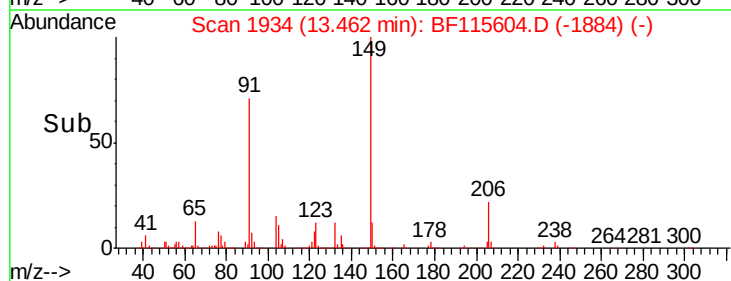
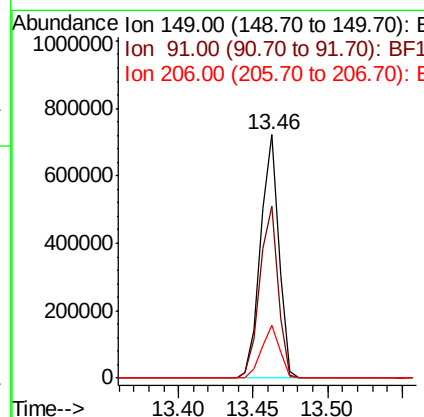
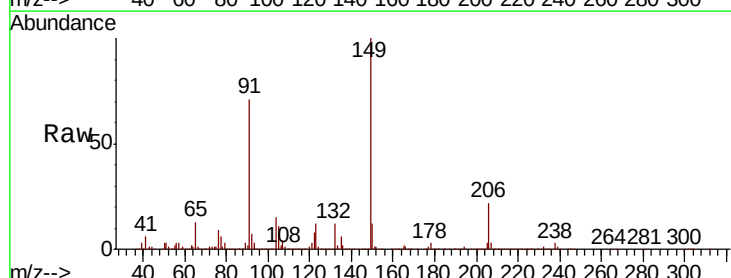
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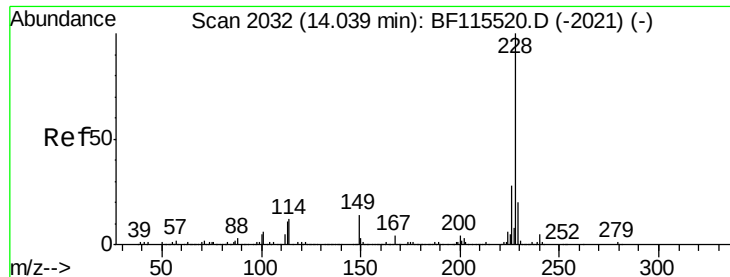
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#80
 Butylbenzylphthalate
 Concen: 43.485 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BF115604.D
 Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.6	55.8	83.8
206	21.9	18.2	27.2





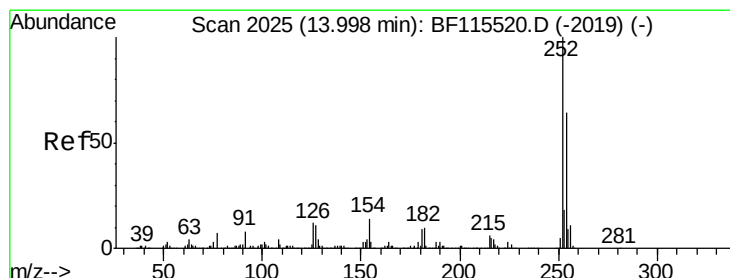
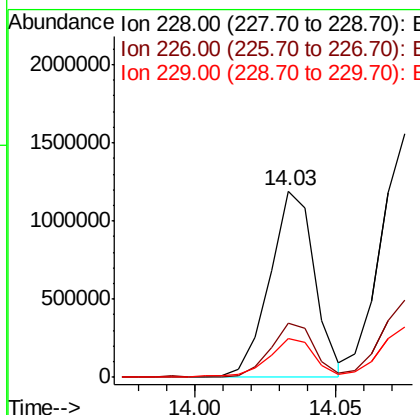
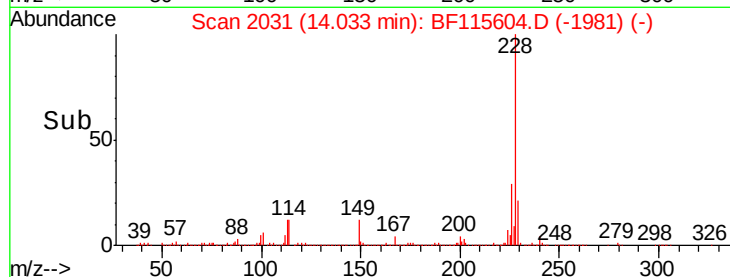
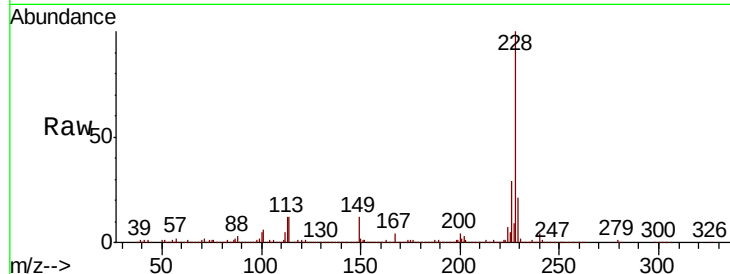
#81
Benzo(a)anthracene
Concen: 51.602 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.0
229	21.0	17.2	25.8

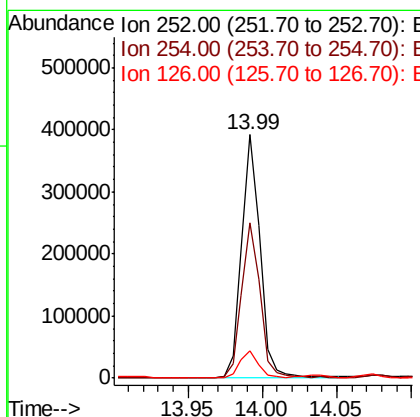
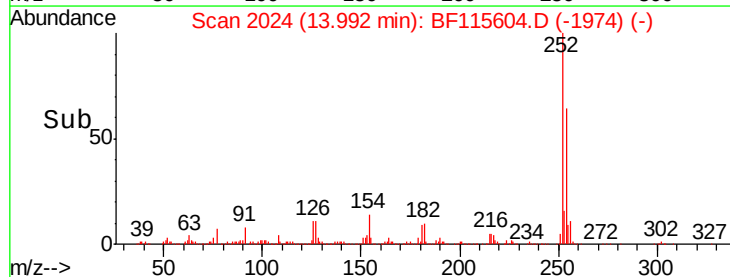
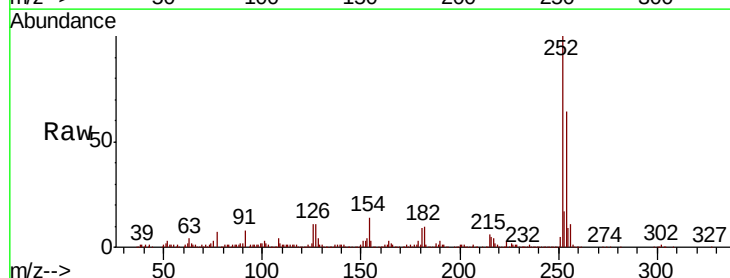
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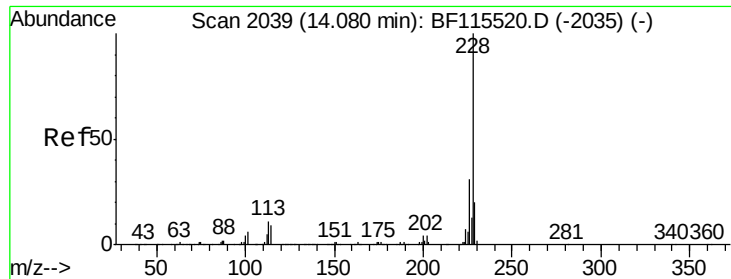
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 37.658 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	52.9	79.3
126	11.4	9.9	14.9





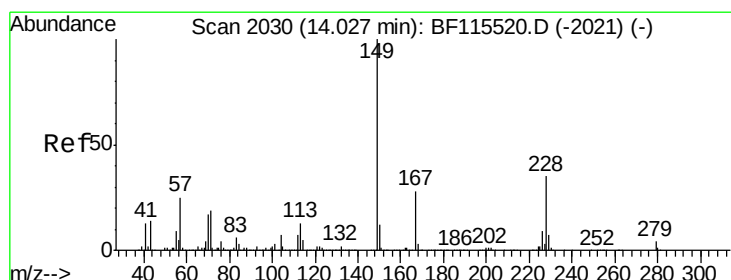
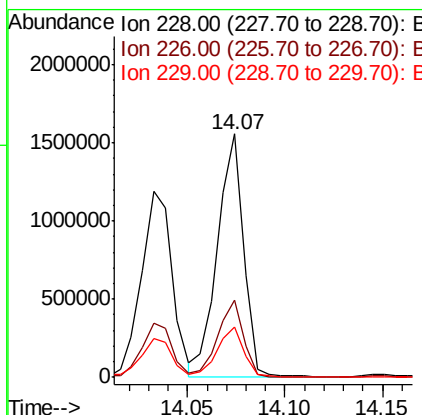
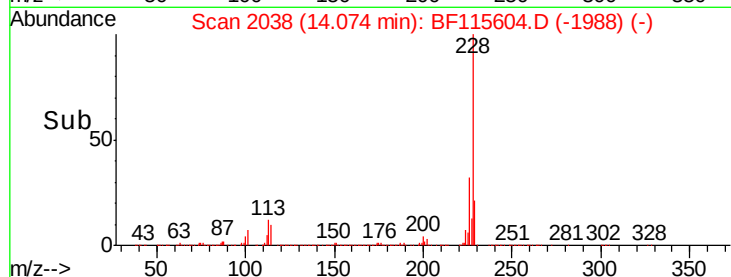
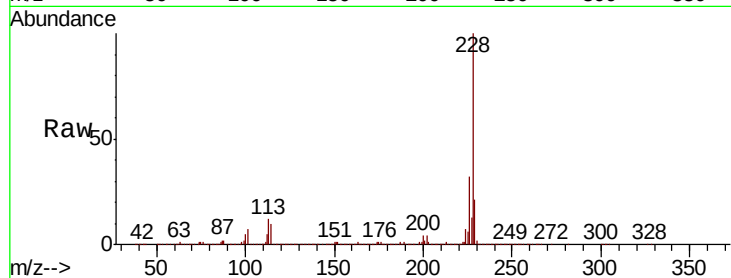
#83
Chrysene
Concen: 56.558 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.7	38.5
229	20.9	16.6	25.0

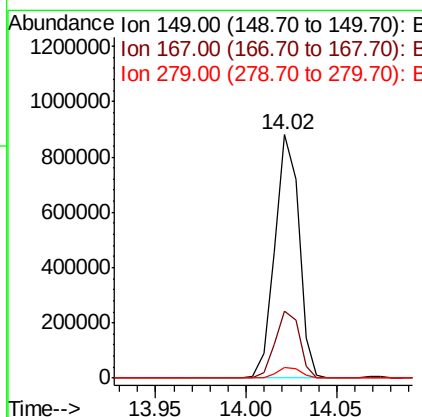
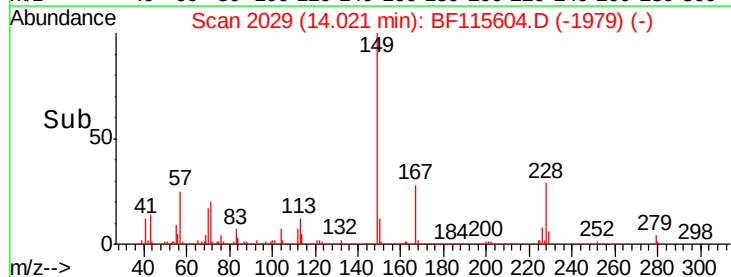
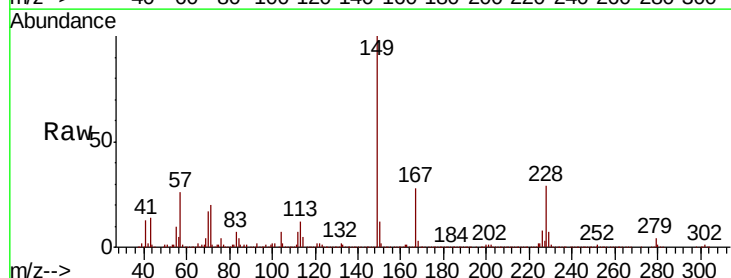
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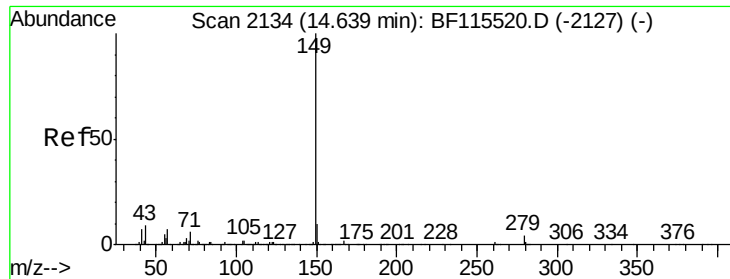
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.250 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.0	34.4
279	4.2	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 53.721 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

ClientSampleId :

RT-1873MS

Tot Ion:149 Resp: 1471853

Ion Ratio Lower Upper

149 100

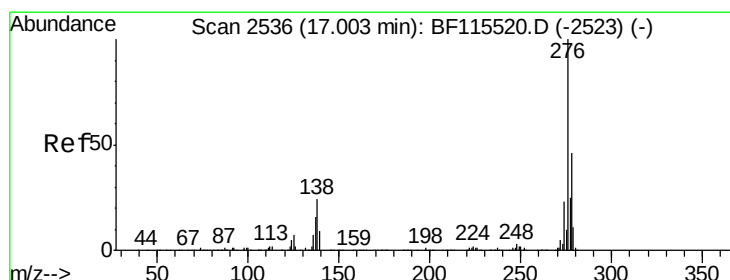
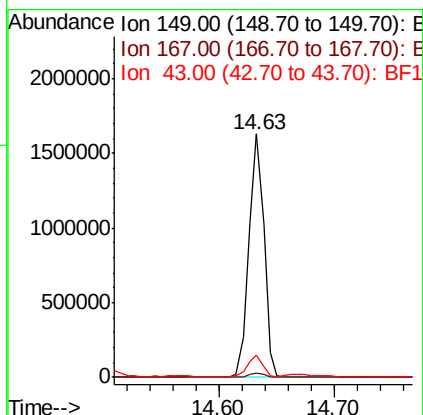
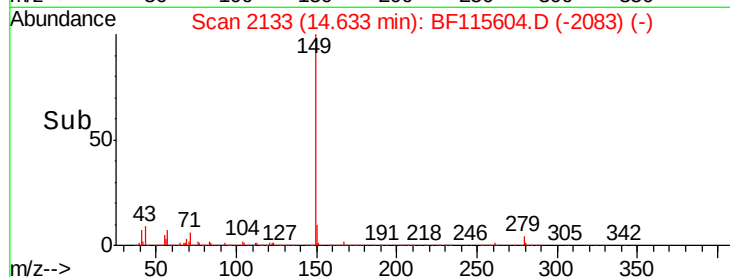
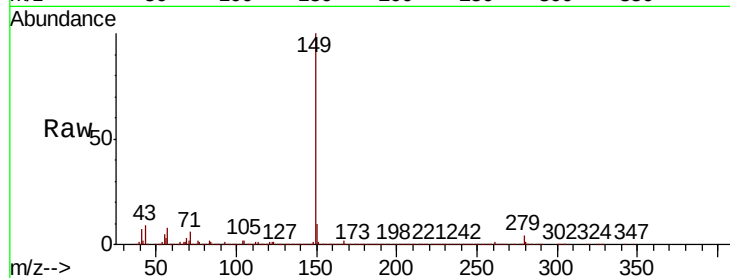
167 1.6 1.4 2.0

43 8.4 7.2 10.8

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#86

Indeno(1,2,3-cd)pyrene

Concen: 62.774 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

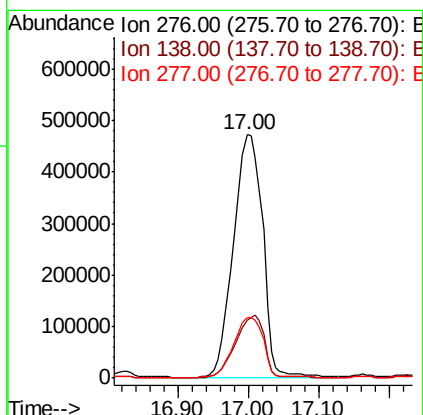
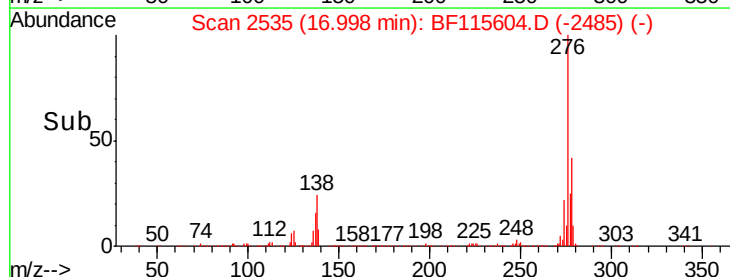
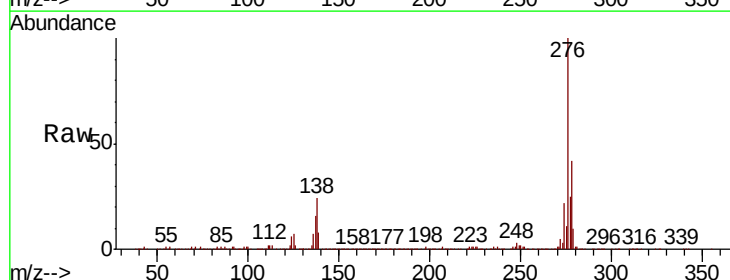
Tgt Ion:276 Resp: 1357597

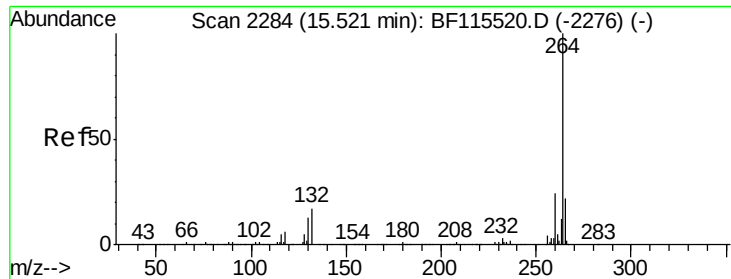
Ion Ratio Lower Upper

276 100

138 25.2 20.2 30.2

277 24.8 20.4 30.6





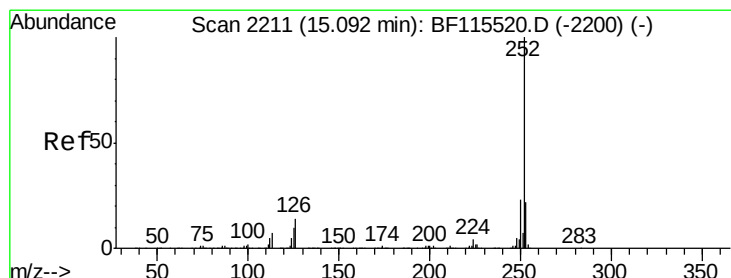
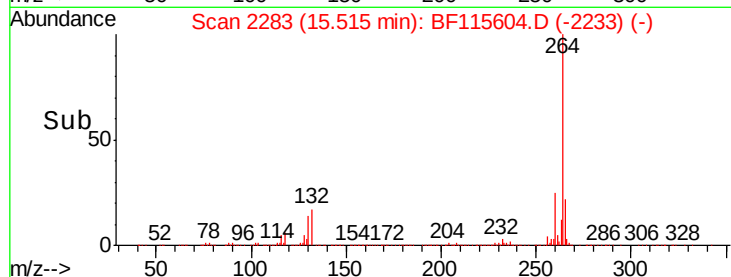
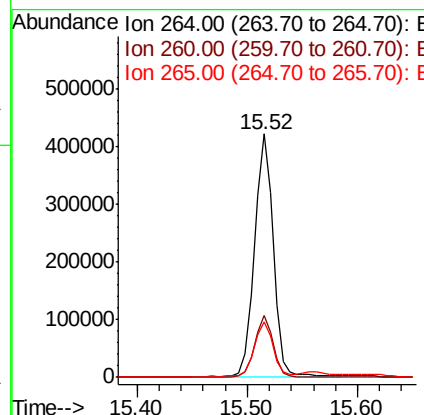
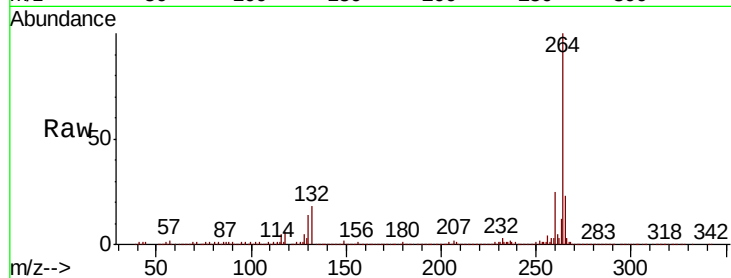
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampled :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.8	29.8
265	22.6	17.7	26.5

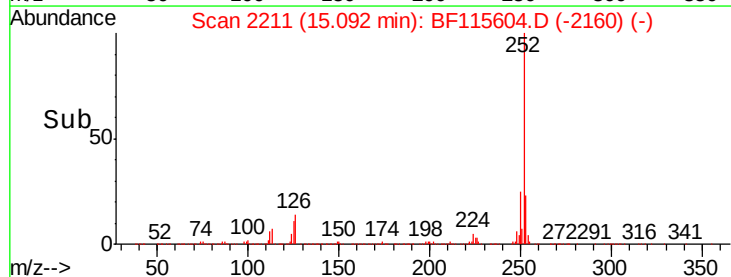
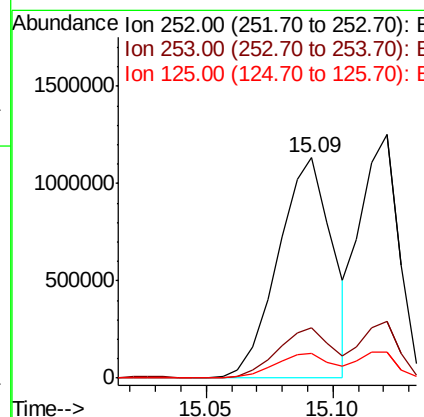
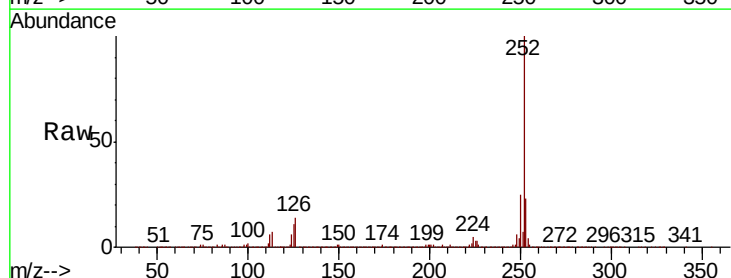
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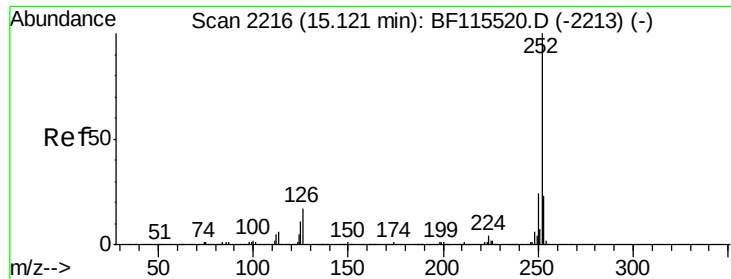
mohammad
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#88
Benzo(b)fluoranthene
Concen: 51.550 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.3	9.0	13.4





#89

Benzo(k)fluoranthene

Concen: 45.833 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Instrument :

BNA_F

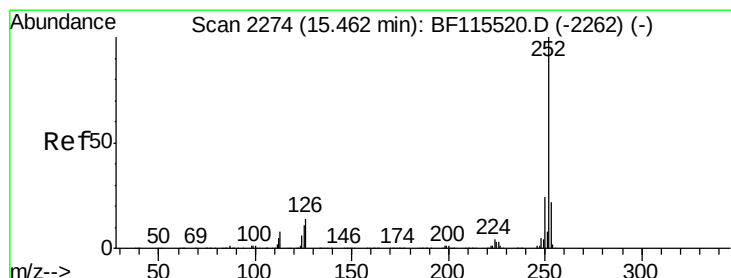
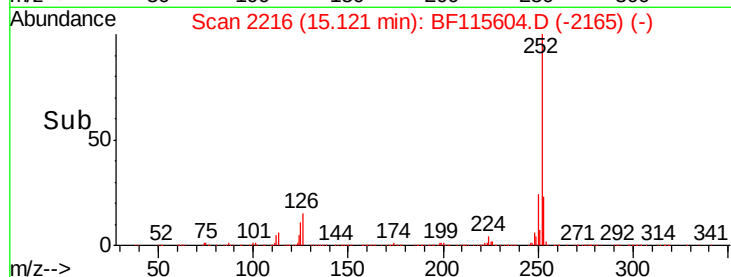
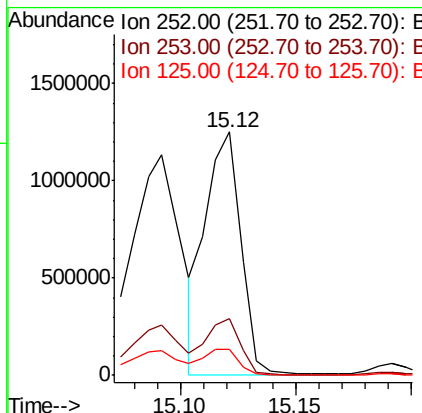
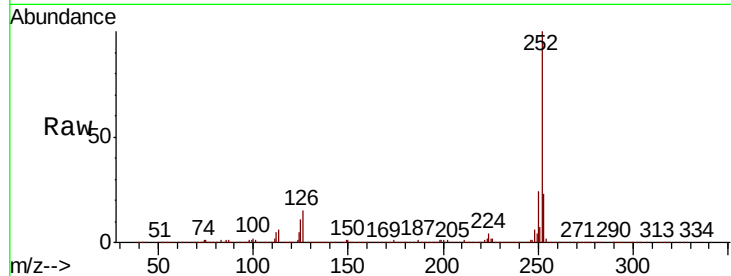
ClientSampleId :

RT-1873MS

Tot Ion:	252	Resp:	1335829
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	28.0
125	10.9	9.0	13.6

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#90

Benzo(a)pyrene

Concen: 49.159 ng

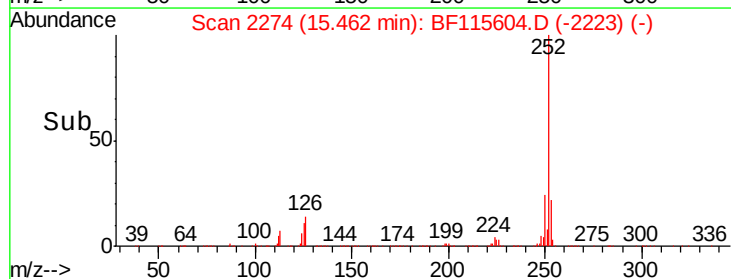
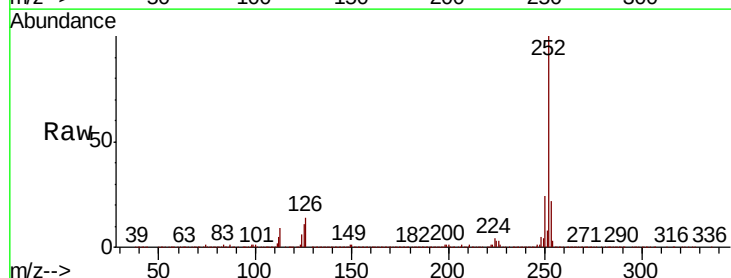
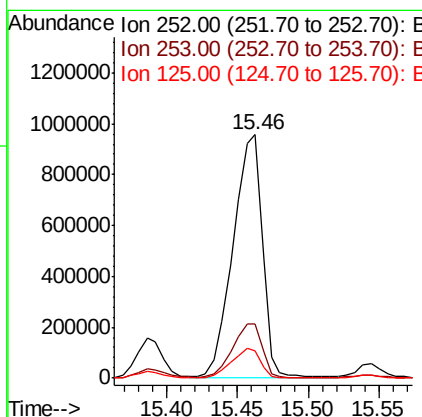
RT: 15.46 min Scan# 2274

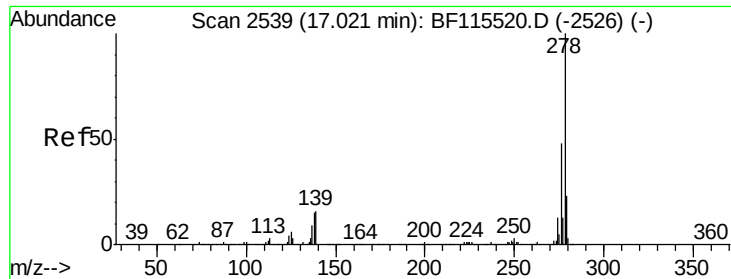
Delta R.T. -0.00 min

Lab File: BF115604.D

Acq: 16 Jul 2019 18:24

Tgt Ion:	252	Resp:	1381230
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.3	9.1	13.7





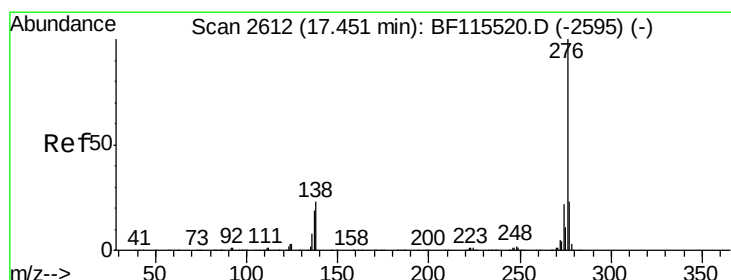
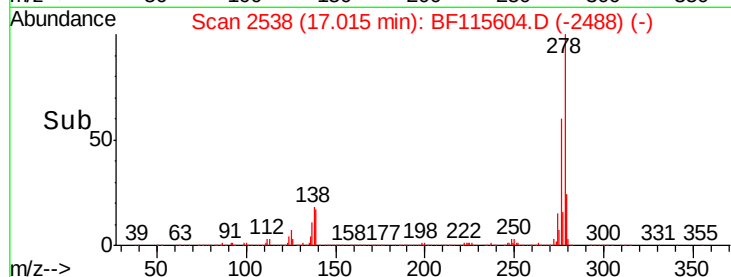
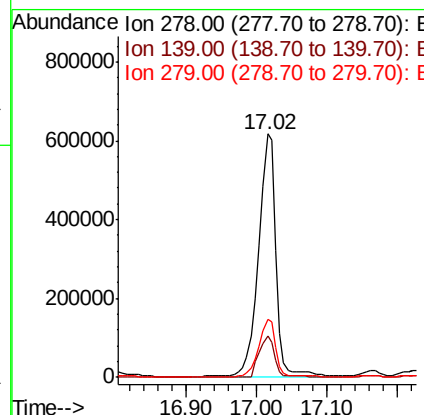
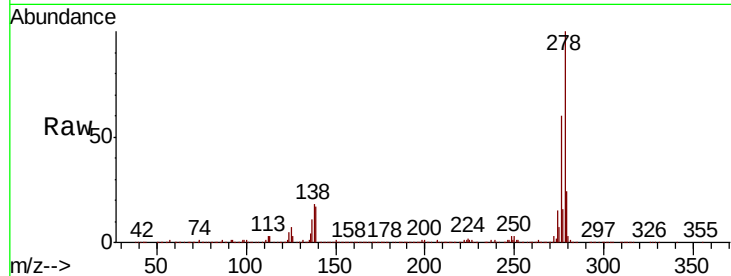
#91
Dibenzo(a,h)anthracene
Concen: 43.359 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Instrument :
BNA_F
ClientSampleId :
RT-1873MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.1	19.7
279	23.8	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/17/2019 12:06:28 PM



#92
Benzo(g,h,i)perylene
Concen: 44.820 ng
RT: 17.45 min Scan# 2612
Delta R.T. -0.00 min
Lab File: BF115604.D
Acq: 16 Jul 2019 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	22.2	17.2	25.8

