

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115855.D
 Acq On : 31 Jul 2019 9:43
 Operator : HP/JU
 Sample : PB121703BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 18:20:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	144016	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	576612	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	312086	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	547338	20.00	ng	0.00
76) Chrysene-d12	14.03	240	434976	20.00	ng	0.00
87) Perylene-d12	15.50	264	480203	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1023686	118.99	ng	0.02
7) Phenol-d6	6.49	99	1311494	120.83	ng	0.00
23) Nitrobenzene-d5	7.42	82	857528	85.84	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	371330	122.72	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1489099	89.37	ng	0.00
79) Terphenyl-d14	12.97	244	1661523	80.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.72	88	188205	43.305	ng	99
3) Pyridine	3.46	79	482643	39.755	ng	99
4) n-Nitrosodimethylamine	3.40	42	215127	44.902	ng	98
6) Aniline	6.52	93	524570	33.747	ng	100
8) 2-Chlorophenol	6.65	128	447070	46.996	ng	96
9) Benzaldehyde	6.40	77	251219	33.545	ng	99
10) Phenol	6.50	94	581284	45.478	ng	96
11) bis(2-Chloroethyl)ether	6.59	93	423379	45.054	ng	99
12) 1,3-Dichlorobenzene	6.80	146	481382	43.786	ng	99
13) 1,4-Dichlorobenzene	6.87	146	490895	44.594	ng	100
14) 1,2-Dichlorobenzene	7.03	146	451264	44.521	ng	100
15) Benzyl Alcohol	7.00	79	388529	47.169	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	566948	44.232	ng	99
17) 2-Methylphenol	7.11	107	372254	46.214	ng	100
18) Hexachloroethane	7.36	117	178555	44.056	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	305441	45.412	ng	100
20) 3+4-Methylphenols	7.26	107	448069	47.006	ng	88
22) Acetophenone	7.26	105	601689	47.580	ng	97
24) Nitrobenzene	7.43	77	501743	46.518	ng	98
25) Isophorone	7.67	82	894920	46.852	ng	100
26) 2-Nitrophenol	7.75	139	242970	47.788	ng	100
27) 2,4-Dimethylphenol	7.79	122	401989	52.552	ng	100
28) bis(2-Chloroethoxy)methane	7.88	93	537378	45.390	ng	100
29) 2,4-Dichlorophenol	7.99	162	388843	48.144	ng	100
30) 1,2,4-Trichlorobenzene	8.07	180	415401	45.120	ng	98
31) Naphthalene	8.16	128	1288741	47.495	ng	100
32) Benzoic acid	7.93	122	278324	51.608	ng	100
33) 4-Chloroaniline	8.20	127	313584	25.865	ng	99
34) Hexachlorobutadiene	8.27	225	233166	43.969	ng	99
35) Caprolactam	8.58	113	55900	21.400	ng	98
36) 4-Chloro-3-methylphenol	8.69	107	411461	48.970	ng	98
37) 2-Methylnaphthalene	8.85	142	875022	48.965	ng	99
38) 1-Methylnaphthalene	8.95	142	808897	47.847	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	385176	46.166	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	348251	92.017	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	256956	44.744	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	280434	47.240	ng	97
46) 1,1'-Biphenyl	9.32	154	1042804	47.329	ng	100
47) 2-Chloronaphthalene	9.35	162	820921	44.766	ng	100
48) 2-Nitroaniline	9.44	65	263951	43.546	ng	97
49) Acenaphthylene	9.76	152	1273208	47.590	ng	99
50) Dimethylphthalate	9.62	163	943335	44.393	ng	100
51) 2,6-Dinitrotoluene	9.68	165	214292	46.405	ng	95
52) Acenaphthene	9.93	154	764470	46.577	ng	100
53) 3-Nitroaniline	9.85	138	159098	27.883	ng	90
54) 2,4-Dinitrophenol	9.96	184	207026	87.348	ng	96
55) Dibenzofuran	10.10	168	1111943	46.586	ng	97
56) 4-Nitrophenol	10.02	139	383483	104.913	ng	99
57) 2,4-Dinitrotoluene	10.09	165	290995	47.329	ng	88
58) Fluorene	10.45	166	863928	47.045	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.22	232	236928	47.439	ng	99
60) Diethylphthalate	10.32	149	899180	45.323	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	421982	45.372	ng	97
62) 4-Nitroaniline	10.47	138	250221	42.433	ng	100
63) Azobenzene	10.60	77	945202	46.320	ng	97
65) 4,6-Dinitro-2-methylphenol	10.50	198	147270	50.774	ng	93
66) n-Nitrosodiphenylamine	10.56	169	772496	46.891	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	261861	44.692	ng	93
68) Hexachlorobenzene	11.00	284	295512	43.616	ng	97
69) Atrazine	11.08	200	243918	45.006	ng	99
70) Pentachlorophenol	11.19	266	325296	98.893	ng	98
71) Phenanthrene	11.41	178	1298580	46.409	ng	100
72) Anthracene	11.46	178	1336602	47.200	ng	99
73) Carbazole	11.62	167	1204574	46.886	ng	99
74) Di-n-butylphthalate	11.94	149	1365775	45.571	ng	100
75) Fluoranthene	12.60	202	1373938	46.903	ng	99
77) Benzidine	12.72	184	817368	55.621	ng	98
78) Pyrene	12.83	202	1417636	43.235	ng	99
80) Butylbenzylphthalate	13.44	149	607220	43.780	ng	99
81) Benzo(a)anthracene	14.02	228	1249476	44.942	ng	100
82) 3,3'-Dichlorobenzidine	13.97	252	310963	32.194	ng	99
83) Chrysene	14.06	228	1242892	46.048	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	798787	44.318	ng	98
85) Di-n-octyl phthalate	14.62	149	1359657	47.493	ng	100
86) Indeno(1,2,3-cd)pyrene	16.98	276	1192284	52.593	ng	99
88) Benzo(b)fluoranthene	15.07	252	1210740	43.605	ng	97
89) Benzo(k)fluoranthene	15.10	252	1214304	44.901	ng	100
90) Benzo(a)pyrene	15.44	252	1165163	46.943	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	999532	46.523	ng	99
92) Benzo(g,h,i)perylene	17.43	276	968334	45.892	ng	100

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

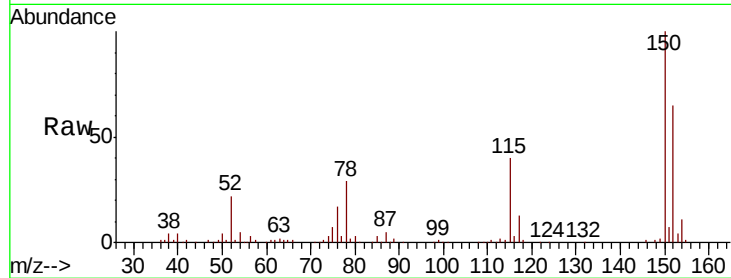


#1

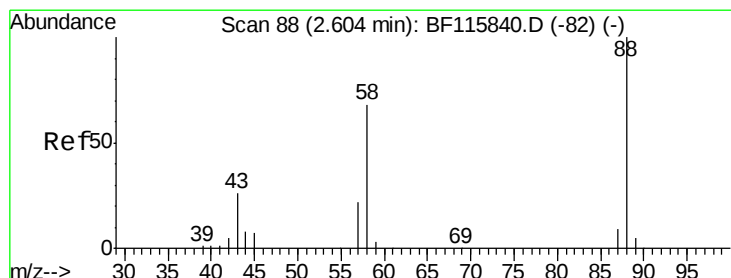
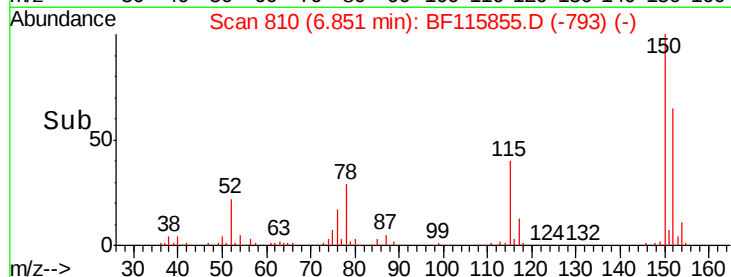
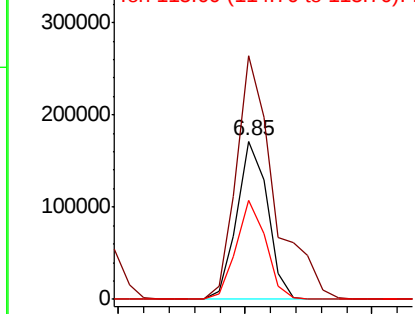
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144016
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 62.3 51.8 77.8



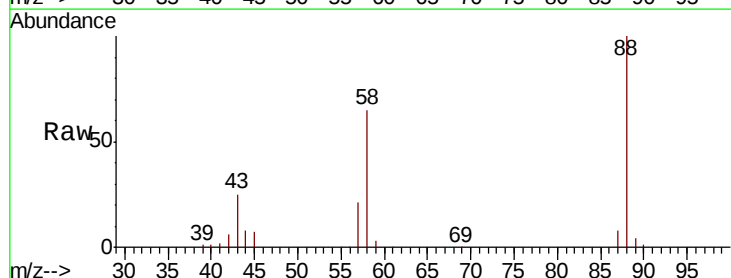
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



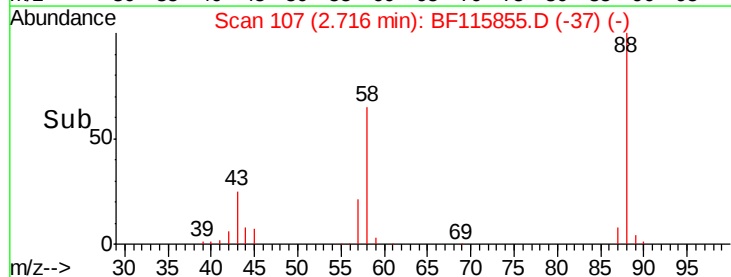
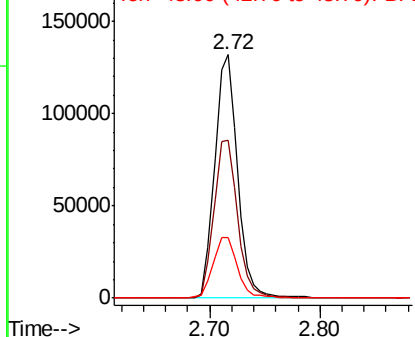
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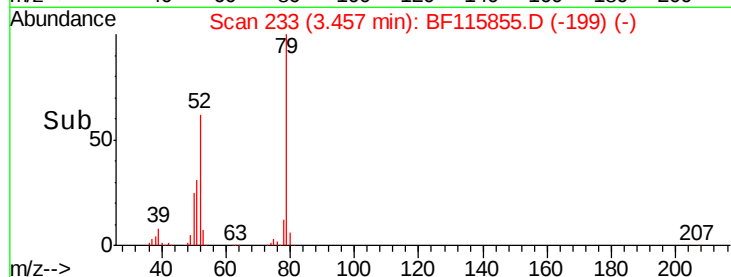
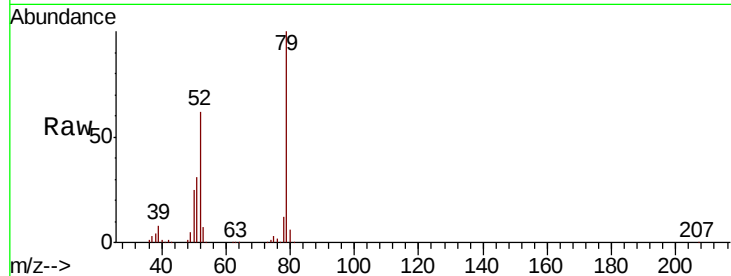
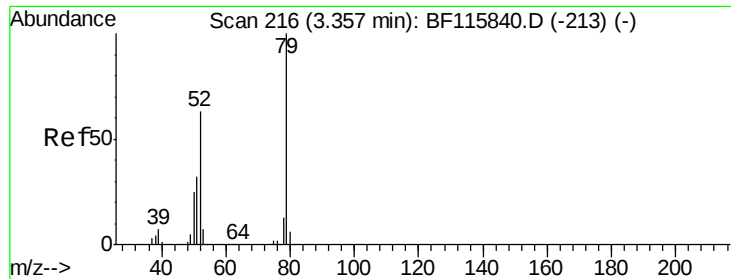
1,4-Dioxane
Concen: 43.305 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.11 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion: 88 Resp: 188205
Ion Ratio Lower Upper
88 100
58 67.4 54.1 81.1
43 27.4 20.7 31.1



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

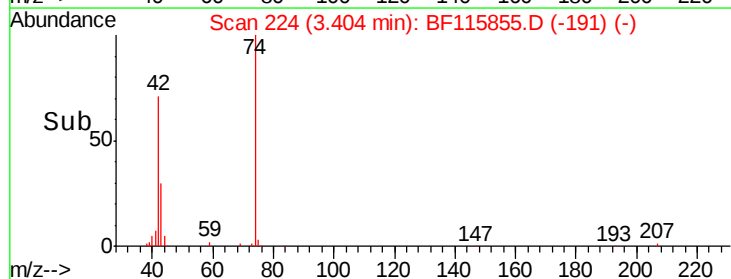
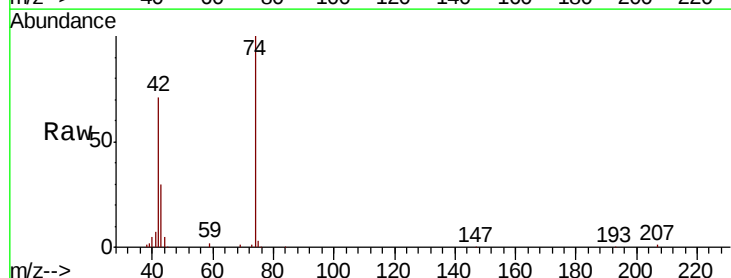
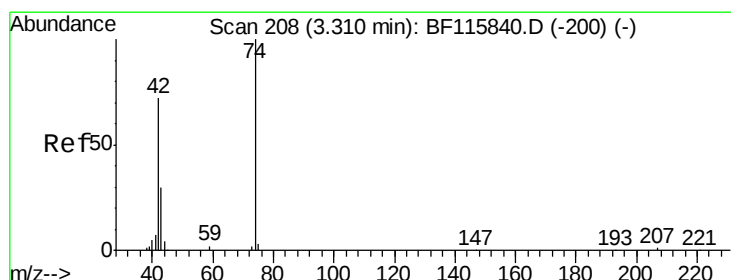
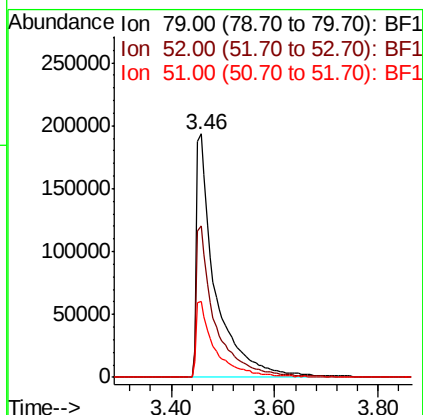




#3
 Pvridine
 Concen: 39.755 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.10 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

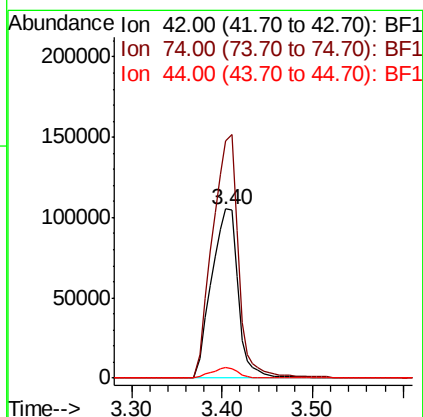
Instrument :
 BNA_F
 ClientSampleId :

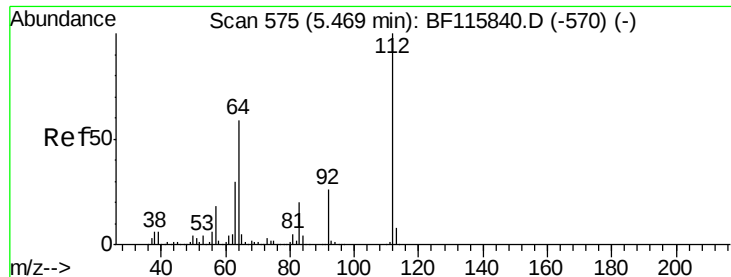
Tot Ion	Ratio	Lower	Upper
79	100		
52	62.2	50.2	75.4
51	31.3	25.8	38.6



#4
 n-Nitrosodimethylamine
 Concen: 44.902 ng
 RT: 3.40 min Scan# 224
 Delta R.T. 0.09 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.6	111.0	166.4
44	6.6	4.7	7.1





#5

2-Fluorophenol

Concen: 118.995 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

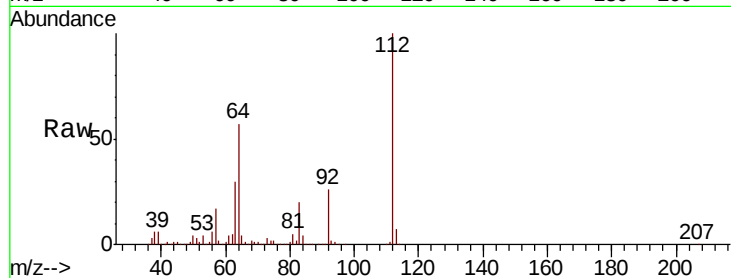
Tot Ion:112 Resp: 1023686

Ion Ratio Lower Upper

112 100

64 56.7 46.8 70.2

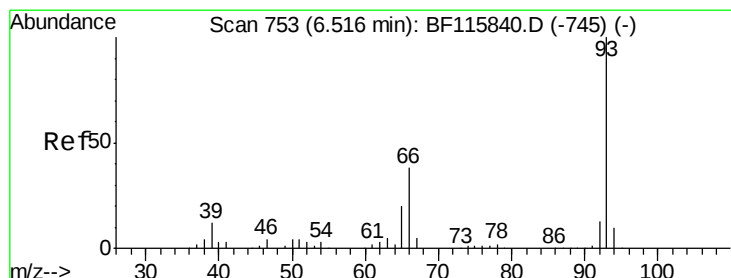
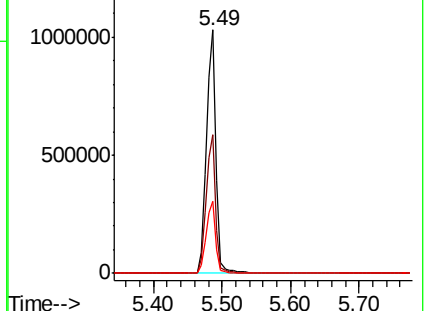
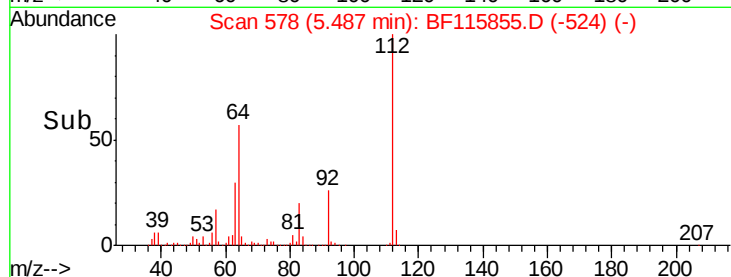
63 29.6 24.2 36.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 33.747 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

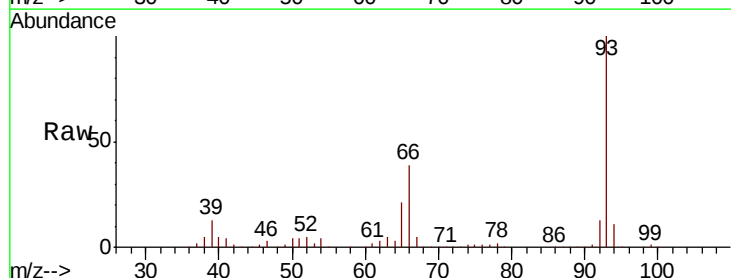
Tgt Ion: 93 Resp: 524570

Ion Ratio Lower Upper

93 100

66 39.4 31.4 47.0

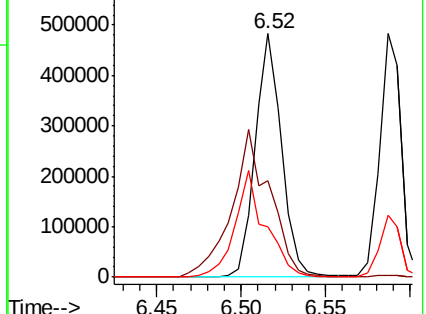
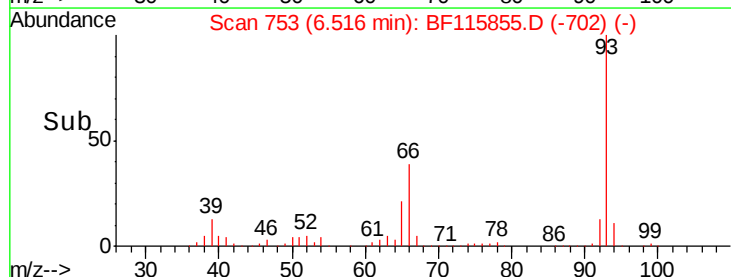
65 20.7 16.5 24.7



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: 120.831 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

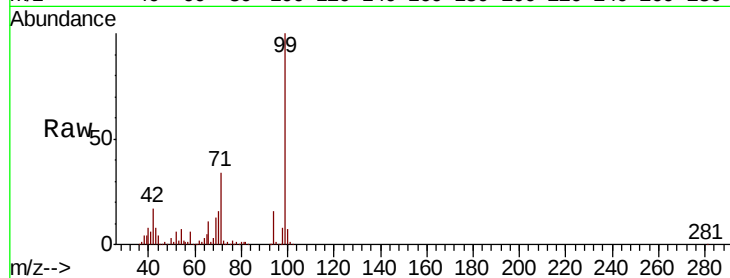
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1311494

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.6
71	33.6	27.1	40.7

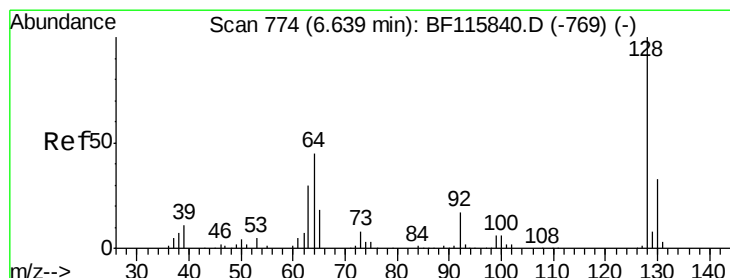
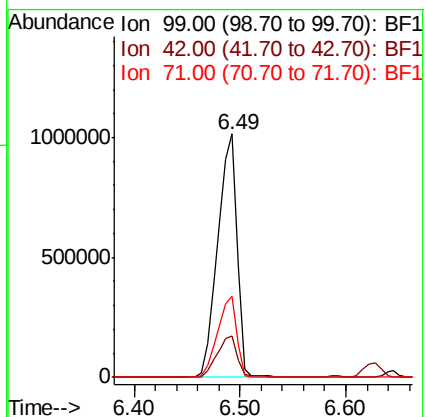
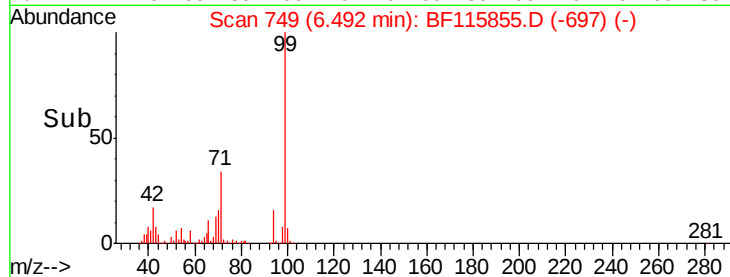


Abundance

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: 46.996 ng

RT: 6.65 min Scan# 775

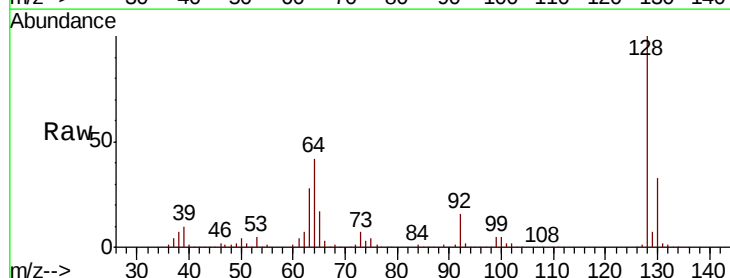
Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Tgt Ion: 128 Resp: 447070

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.9	52.9
64	42.3	26.1	66.1

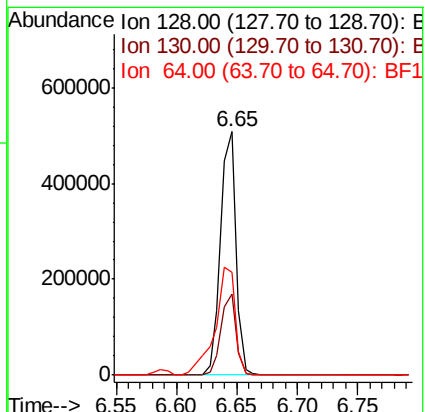
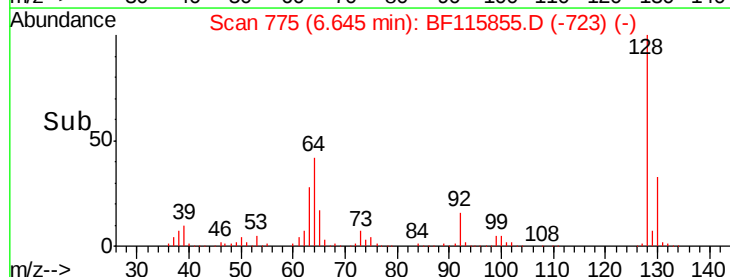


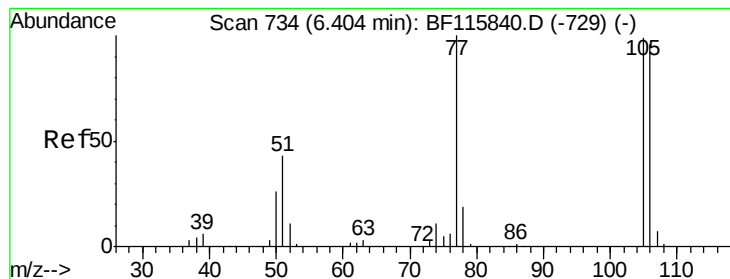
Abundance

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: 33.545 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

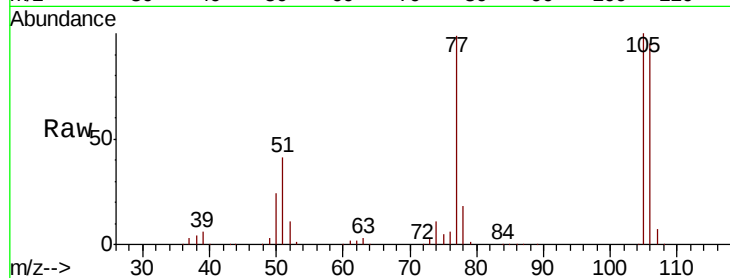
Tot Ion: 77 Resp: 251219

Ion Ratio Lower Upper

77 100

105 101.4 79.0 119.0

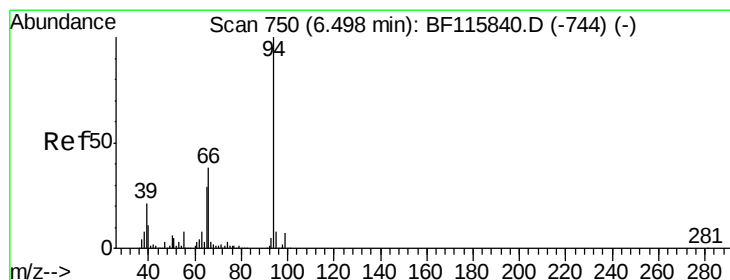
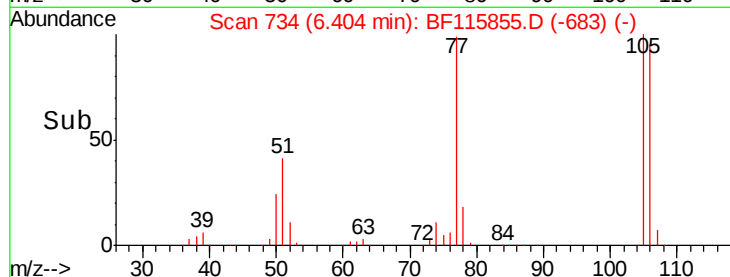
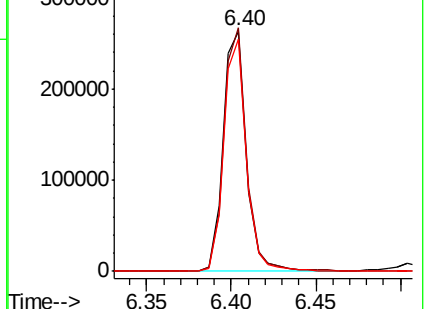
106 96.6 76.2 116.2



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 45.478 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

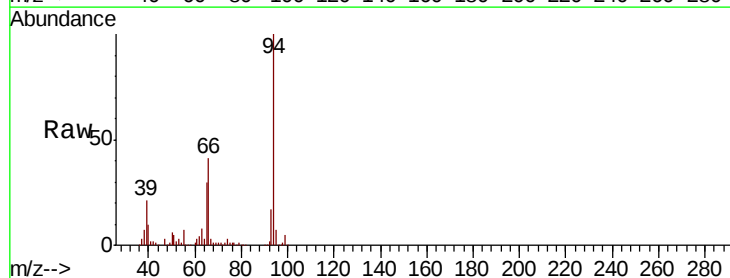
Tgt Ion: 94 Resp: 581284

Ion Ratio Lower Upper

94 100

65 30.0 8.9 48.9

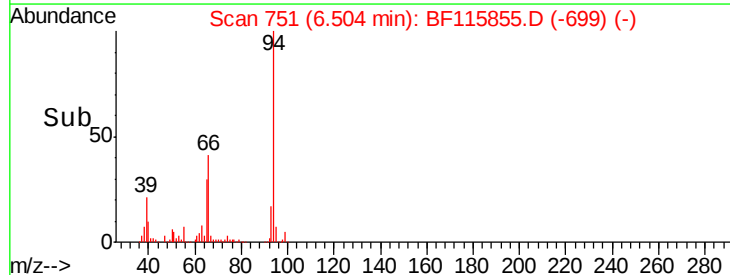
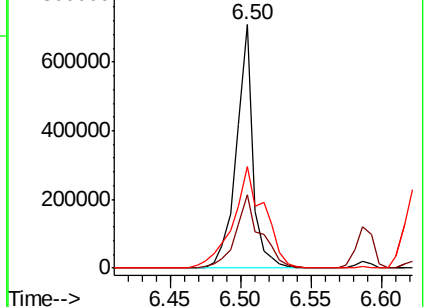
66 41.5 18.0 58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

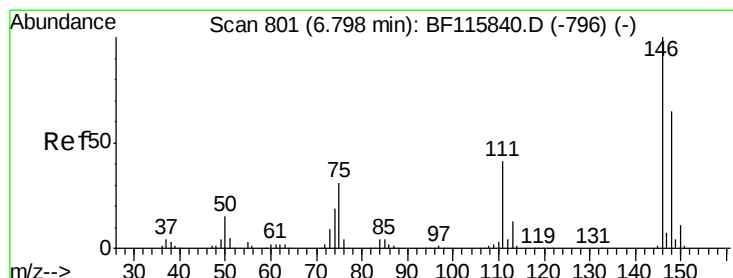
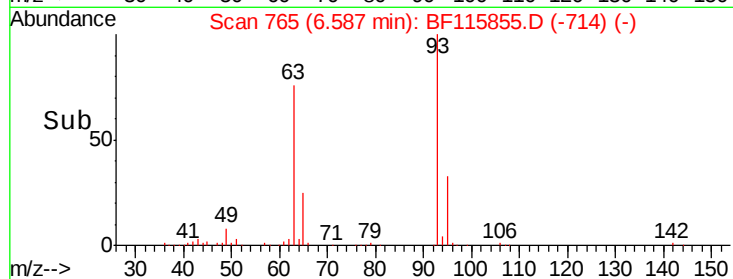
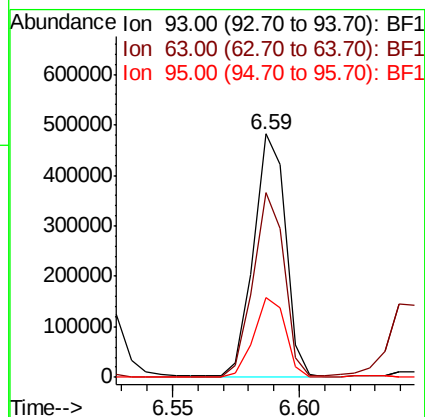
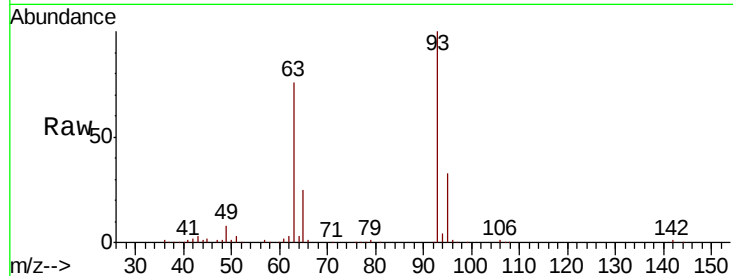




#11
 bis(2-Chloroethyl)ether
 Concen: 45.054 ng
 RT: 6.59 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

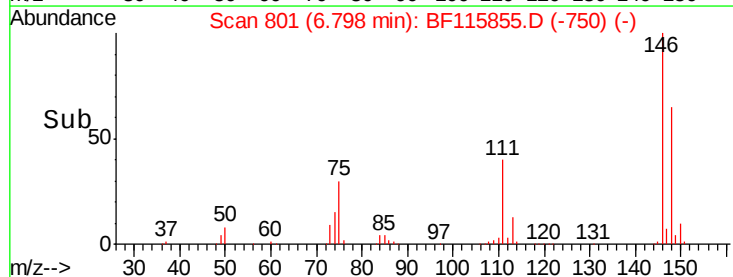
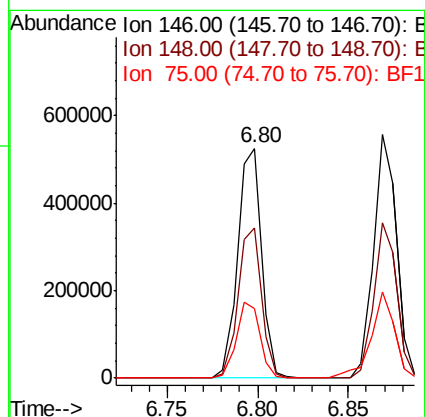
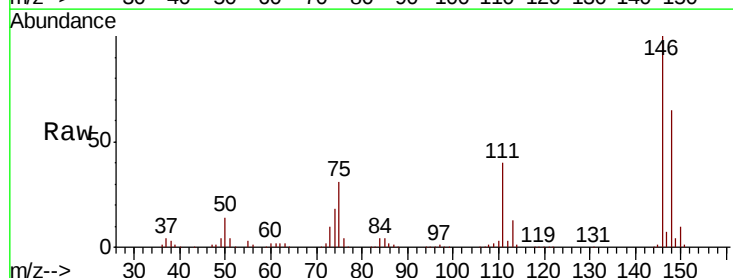
Instrument :
 BNA_F
 ClientSampleId :

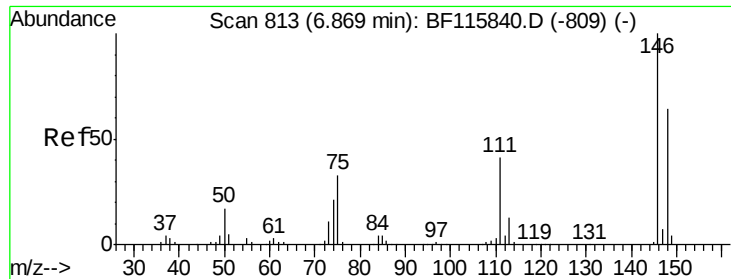
Tot Ion: 93 Resp: 423379
 Ion Ratio Lower Upper
 93 100
 63 75.8 54.9 94.9
 95 33.0 13.3 53.3



#12
 1,3-Dichlorobenzene
 Concen: 43.786 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion: 146 Resp: 481382
 Ion Ratio Lower Upper
 146 100
 148 65.2 52.1 78.1
 75 30.5 25.0 37.6

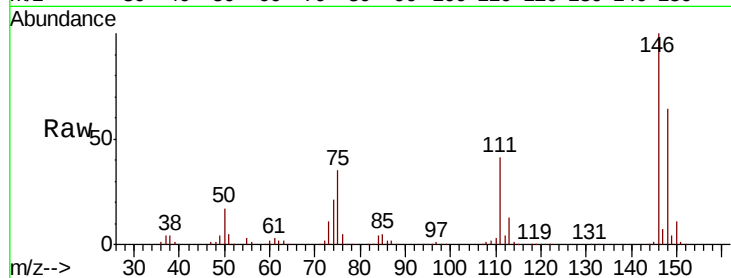




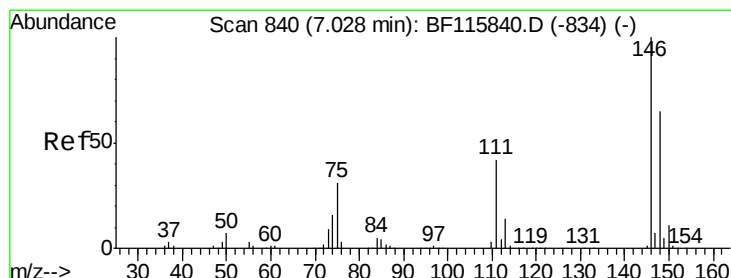
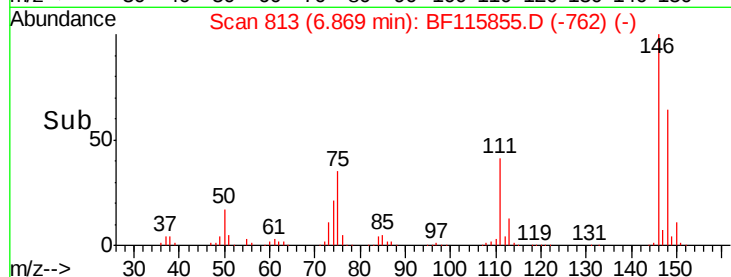
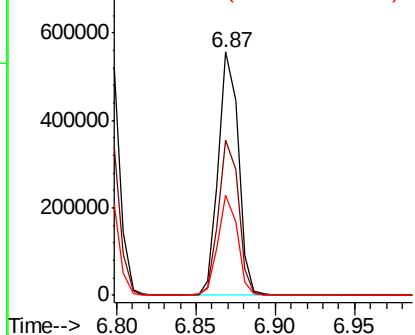
#13
 1,4-Dichlorobenzene
 Concen: 44.594 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	41.3	33.2	49.8

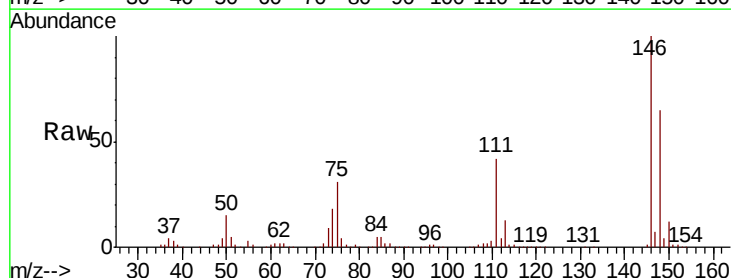


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

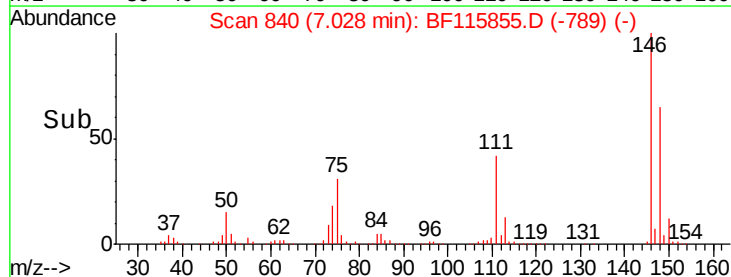
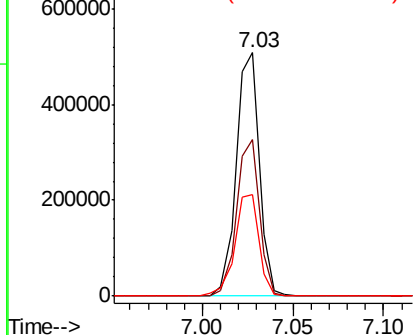


#14
 1,2-Dichlorobenzene
 Concen: 44.521 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
111	41.7	33.6	50.4



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





#15

Benzyl Alcohol

Concen: 47.169 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampled :

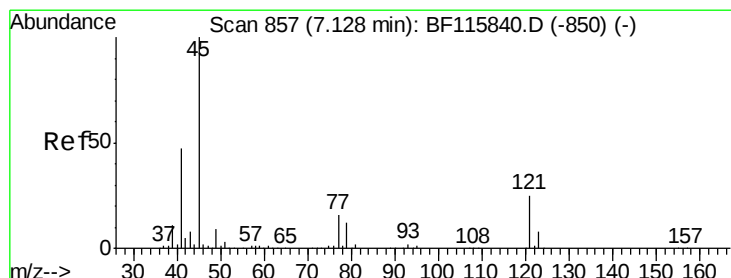
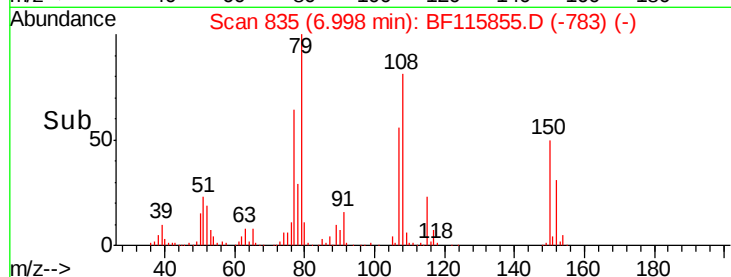
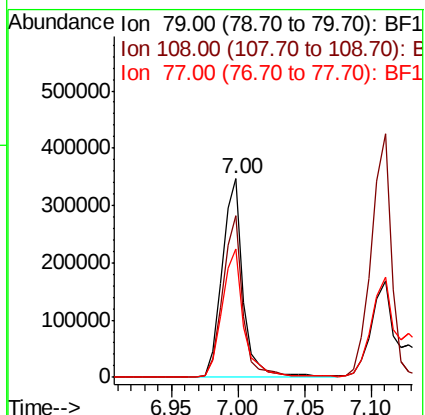
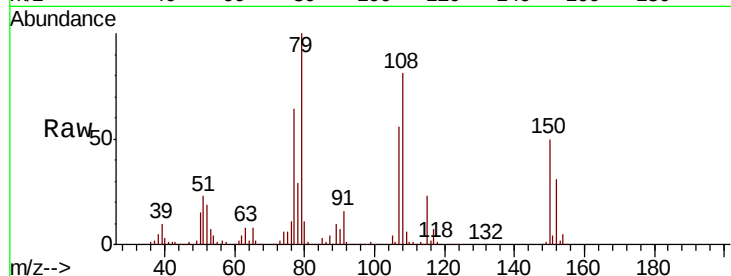
Tot Ion: 79 Resp: 388529

Ion Ratio Lower Upper

79 100

108 81.3 62.8 94.2

77 64.5 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.232 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

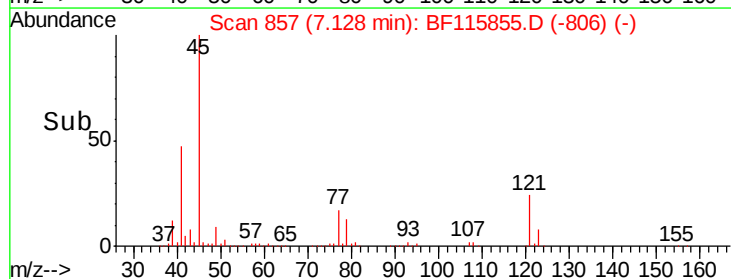
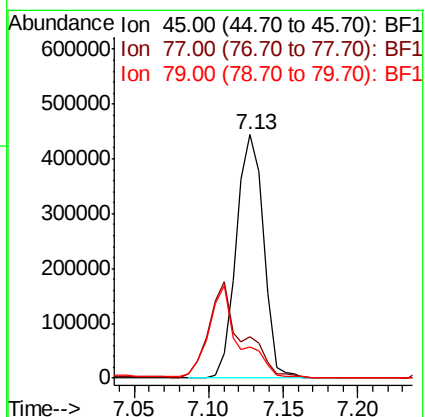
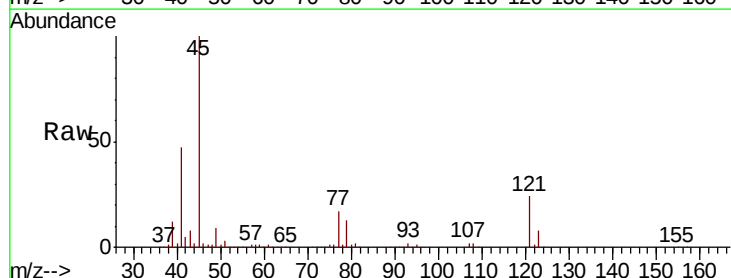
Tgt Ion: 45 Resp: 566948

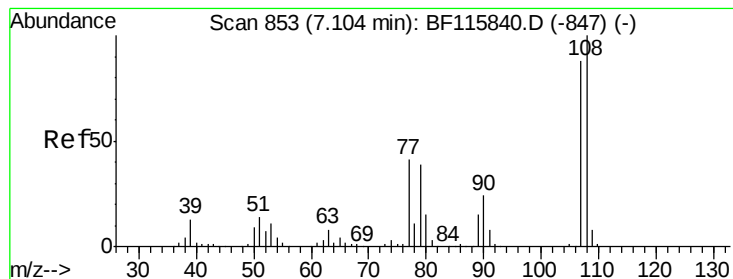
Ion Ratio Lower Upper

45 100

77 17.0 0.0 36.3

79 12.8 0.0 32.5

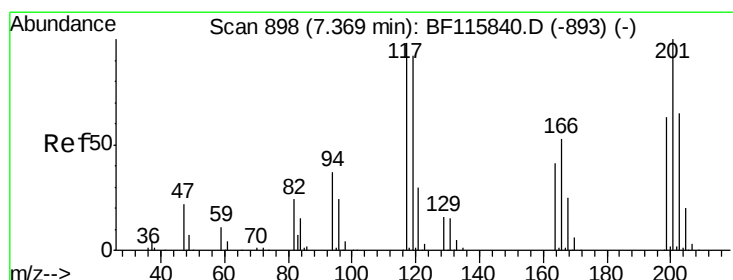
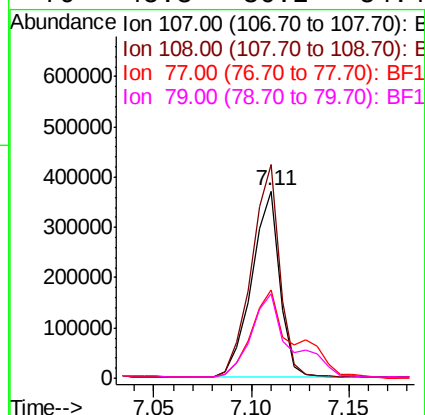
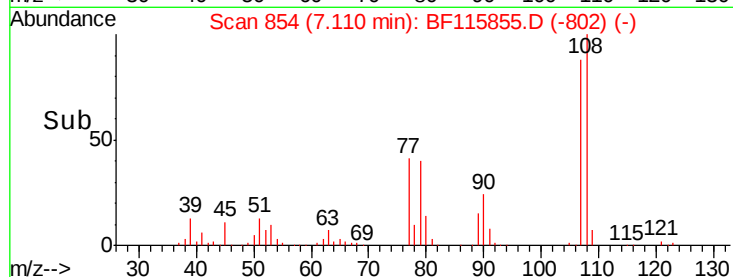
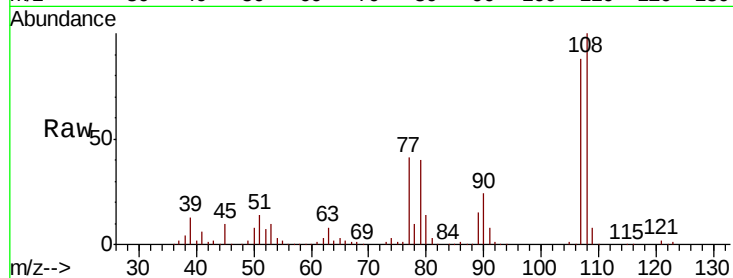




#17
2-Methylphenol
Concen: 46.214 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

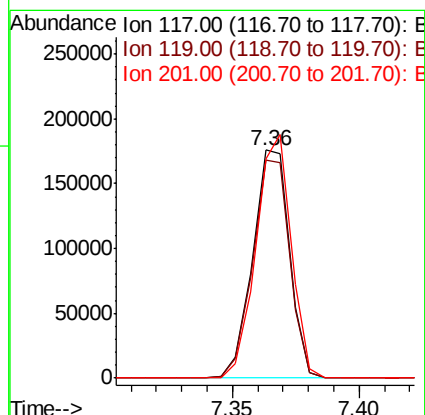
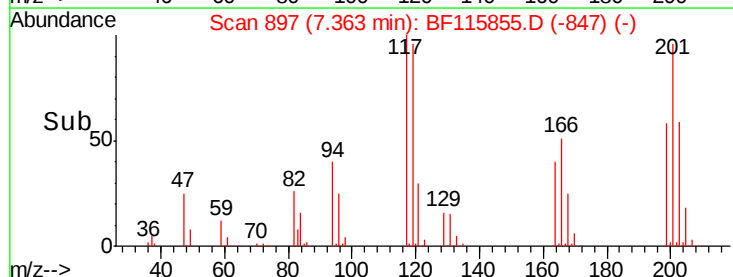
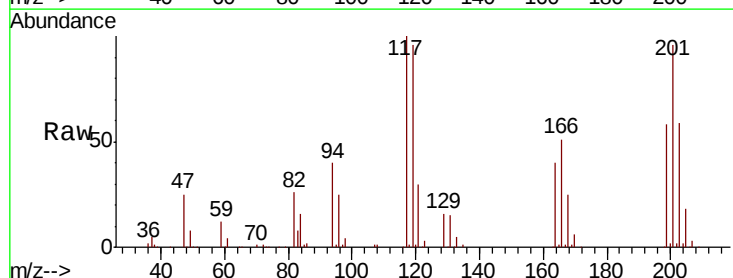
Instrument :
BNA_F
ClientSampleId :

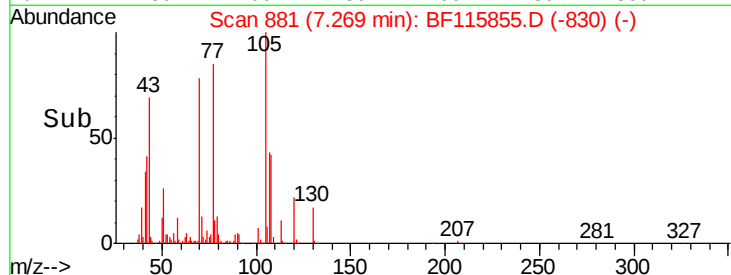
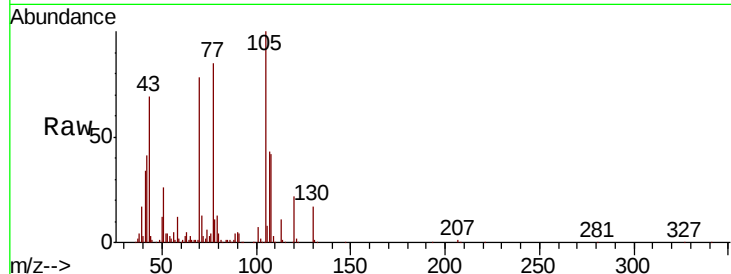
Tot Ion:107 Resp: 372254
Ion Ratio Lower Upper
107 100
108 113.9 91.4 137.0
77 47.1 37.6 56.4
79 45.3 36.2 54.4



#18
Hexachloroethane
Concen: 44.056 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:117 Resp: 178555
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.6
201 96.2 82.0 123.0

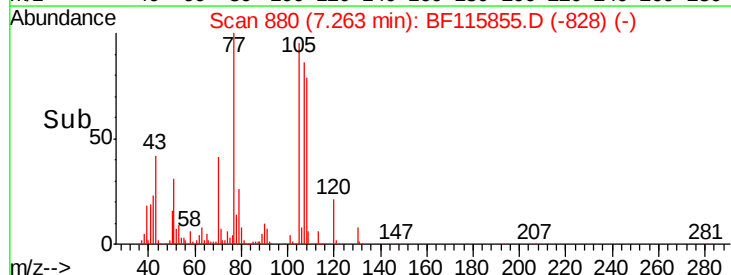
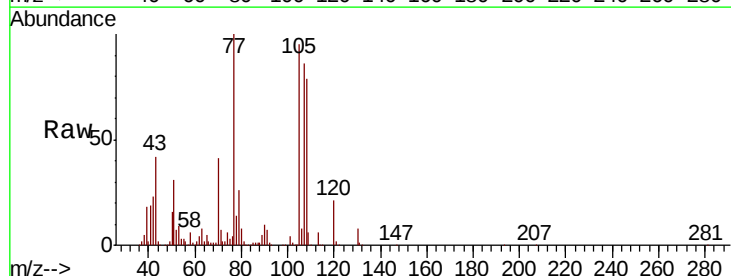
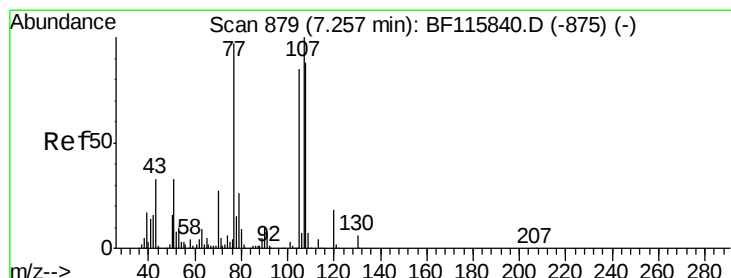
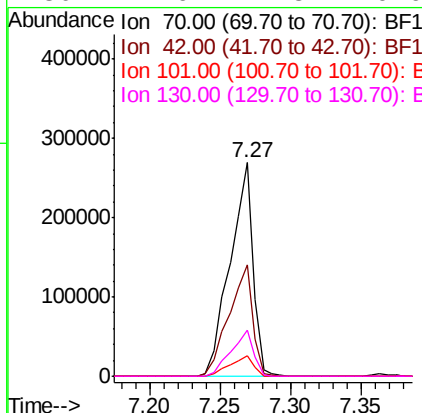




#19
n-Nitroso-di-n-propylamine
Concen: 45.412 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

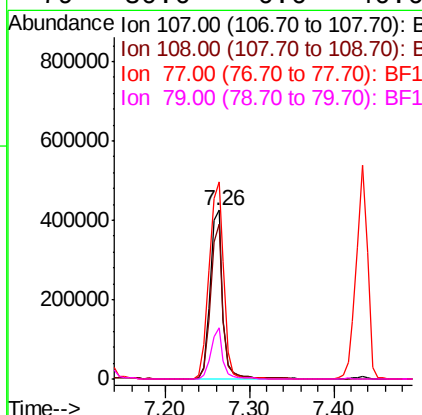
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 305441
Ion Ratio Lower Upper
70 100
42 52.3 41.8 62.8
101 9.4 7.7 11.5
130 21.6 17.8 26.6



#20
3+4-Methylphenols
Concen: 47.006 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:107 Resp: 448069
Ion Ratio Lower Upper
107 100
108 92.1 67.9 107.9
77 116.6 77.3 117.3
79 30.6 6.6 46.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 576612

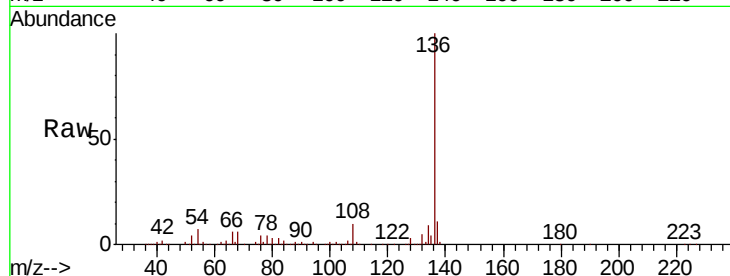
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.4 6.1 9.1

68 6.4 5.4 8.2

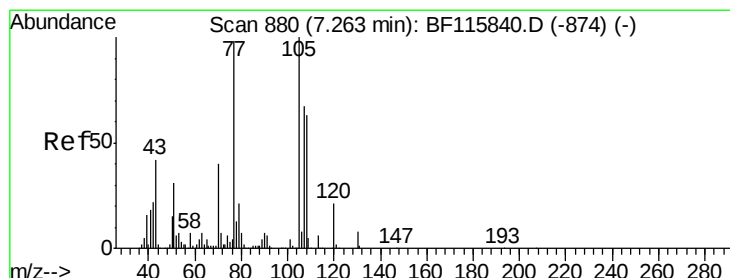
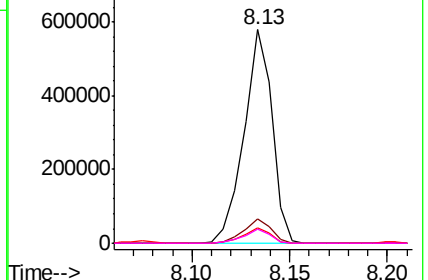
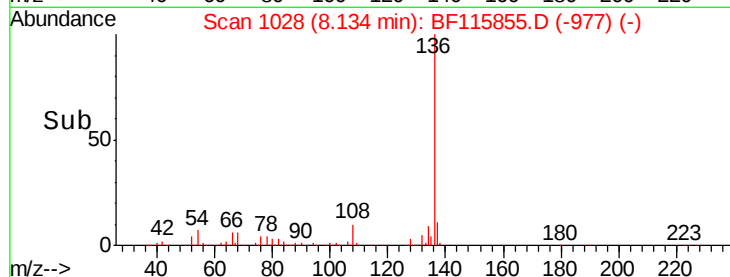


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 47.580 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Tgt Ion:105 Resp: 601689

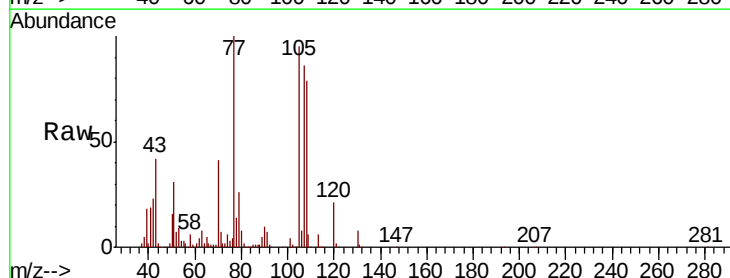
Ion Ratio Lower Upper

105 100

71 7.2 5.4 8.0

51 32.8 24.6 36.8

120 22.0 17.0 25.6

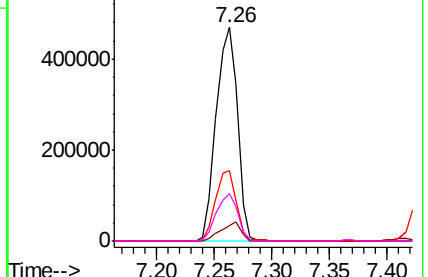
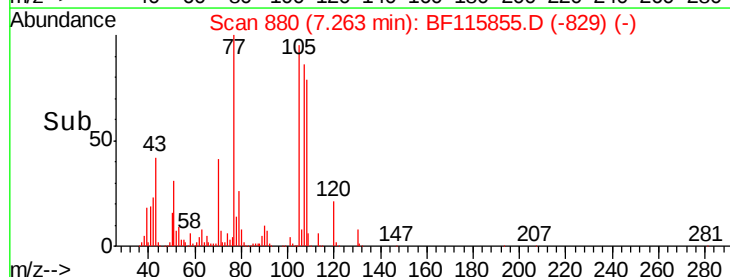


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

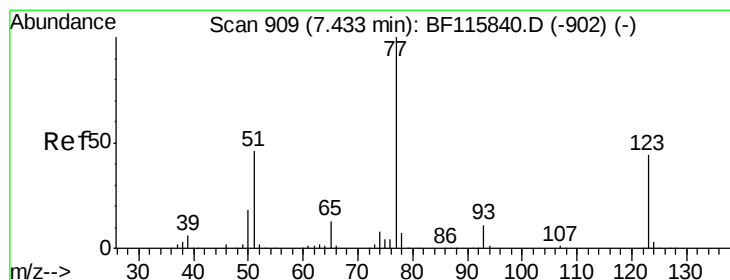
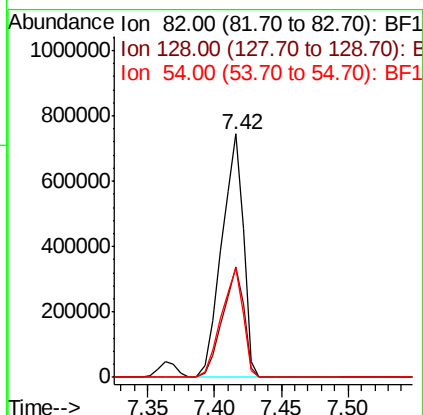
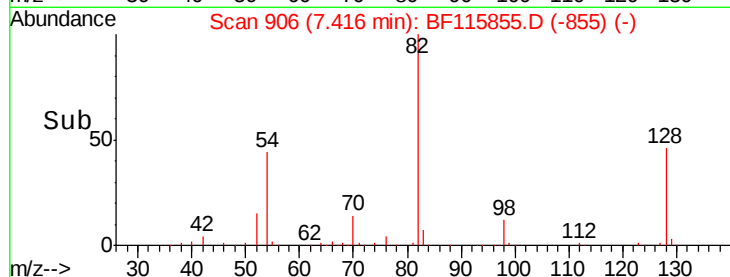
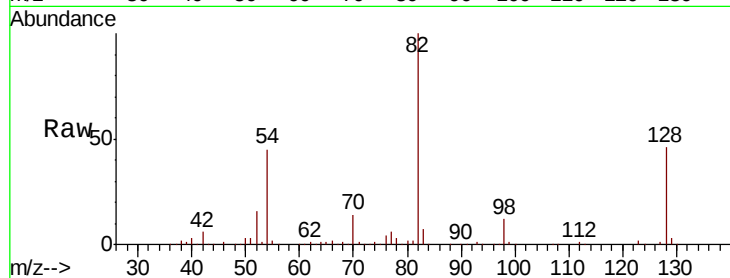




#23
 Nitrobenzene-d5
 Concen: 85.845 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

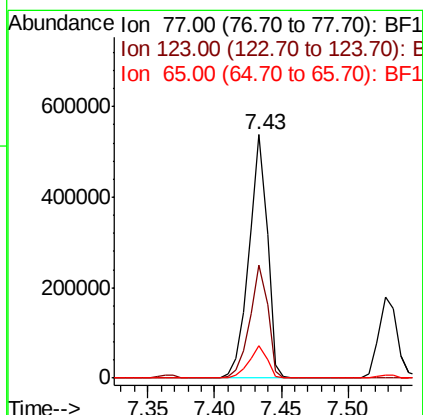
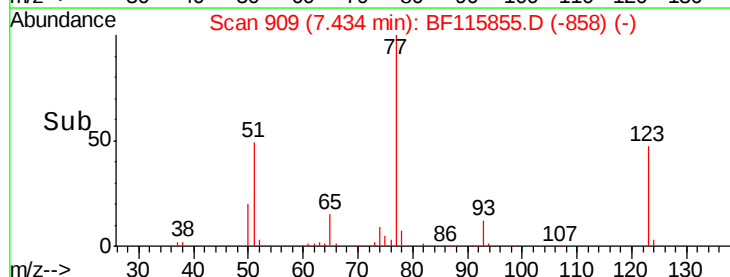
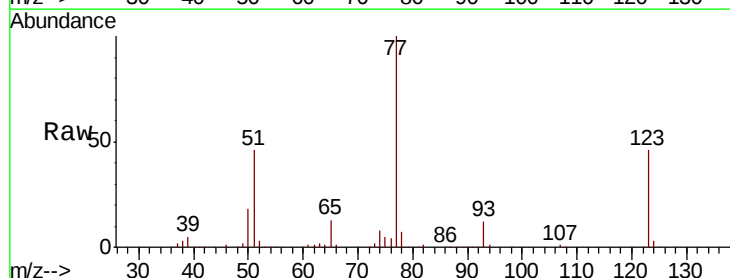
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 857528
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.6 55.0
 54 44.9 36.6 55.0



#24
 Nitrobenzene
 Concen: 46.518 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion: 77 Resp: 501743
 Ion Ratio Lower Upper
 77 100
 123 46.3 35.5 53.3
 65 13.4 10.6 15.8

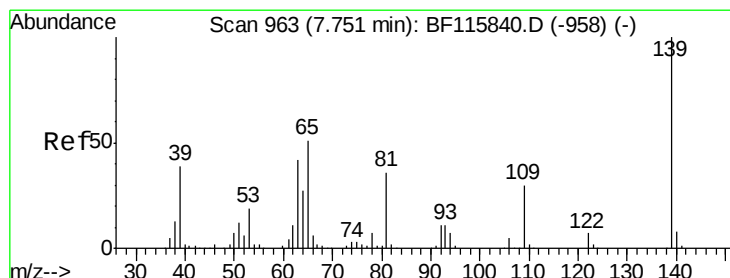
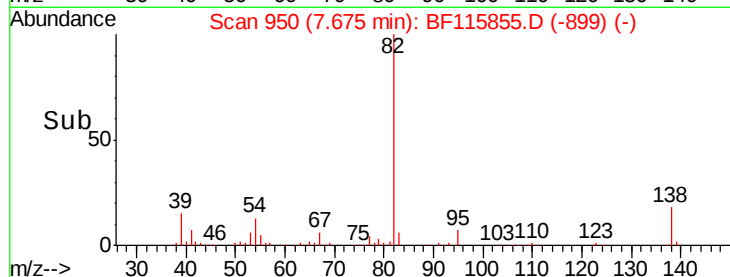
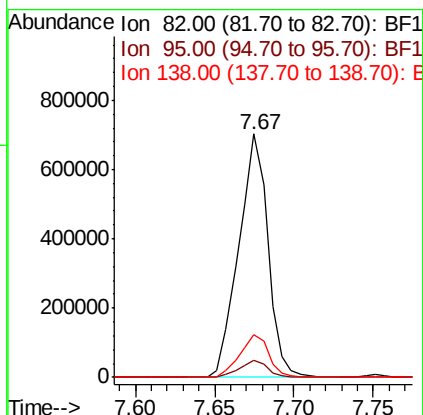
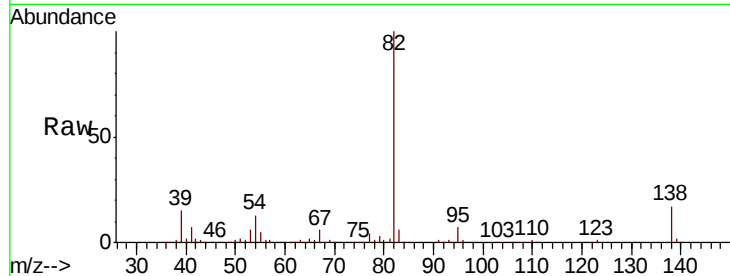




#25
Isophorone
Concen: 46.852 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

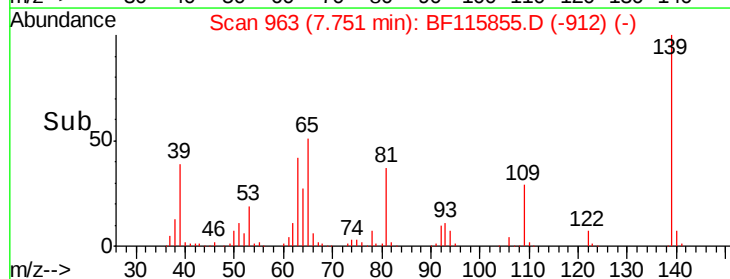
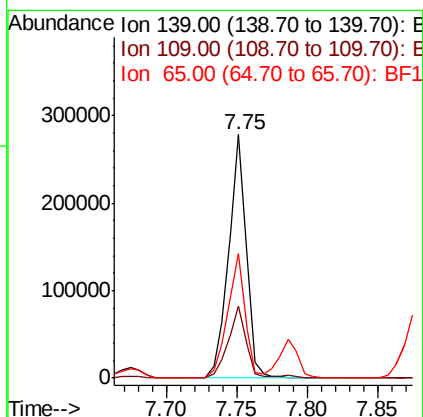
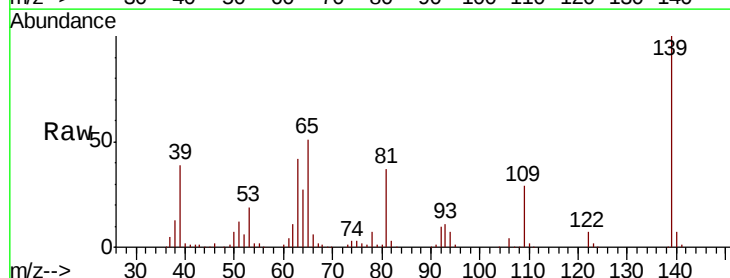
Instrument :
BNA_F
ClientSampleId :

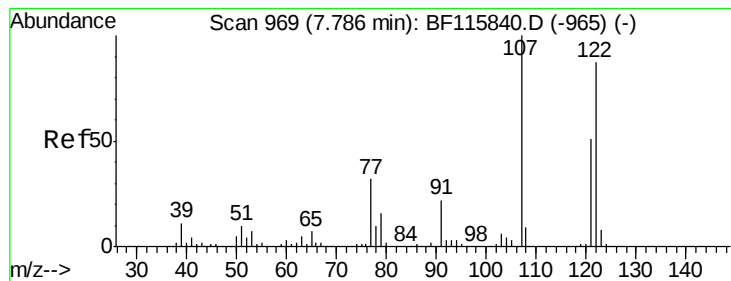
Tot Ion	82	Resp	894920
Ion Ratio	100	Lower	Upper
95	6.8	5.5	8.3
138	17.5	13.9	20.9



#26
2-Nitrophenol
Concen: 47.788 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion	139	Resp	242970
Ion Ratio	100	Lower	Upper
109	29.5	23.6	35.4
65	50.9	40.6	60.8





#27

2,4-Dimethylphenol

Concen: 52.552 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

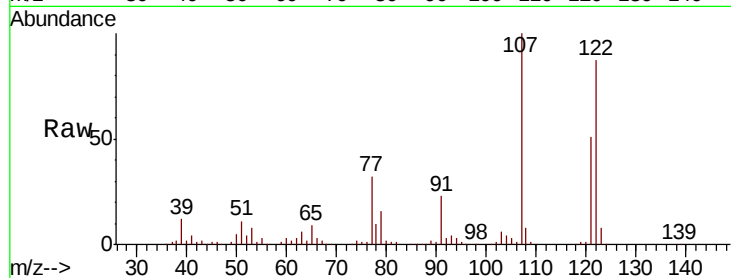
Tot Ion:122 Resp: 401989

Ion Ratio Lower Upper

122 100

107 114.4 91.7 137.5

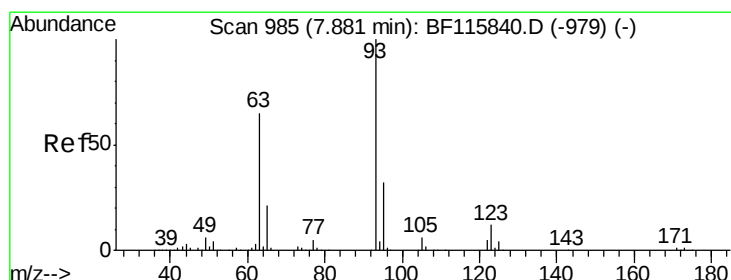
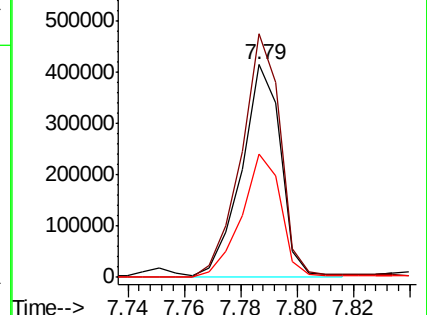
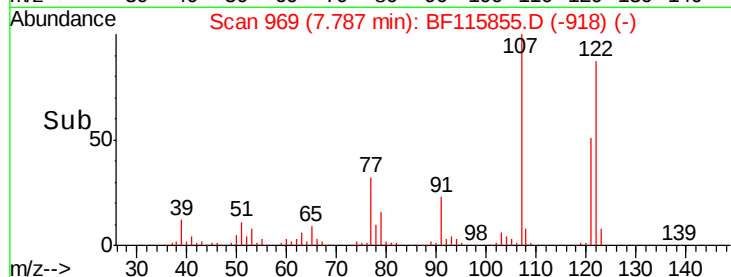
121 57.8 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.390 ng

RT: 7.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

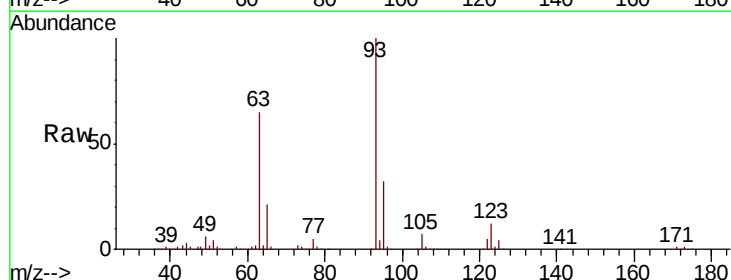
Tgt Ion: 93 Resp: 537378

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

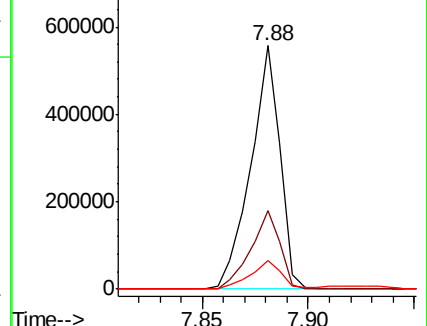
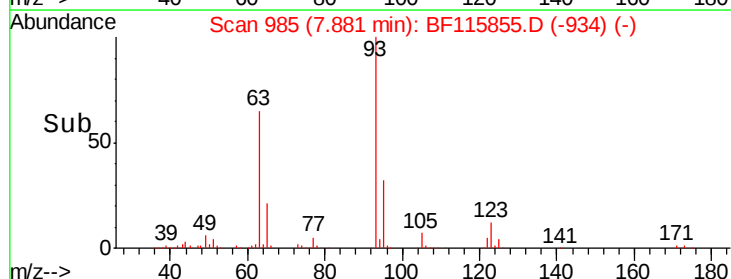
123 11.8 9.5 14.3



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

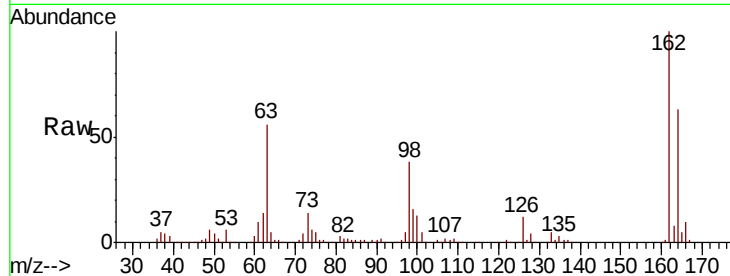




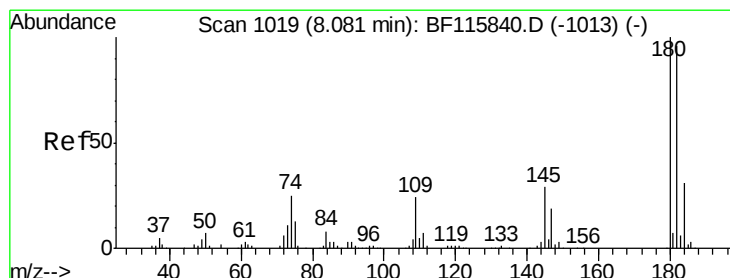
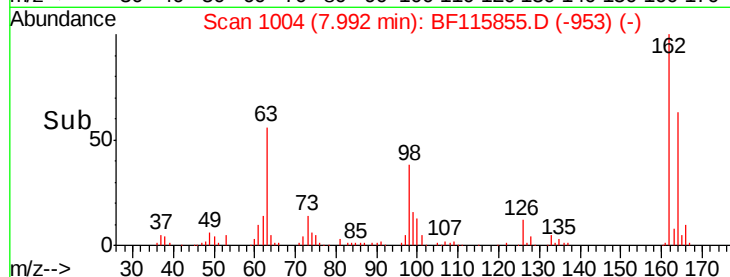
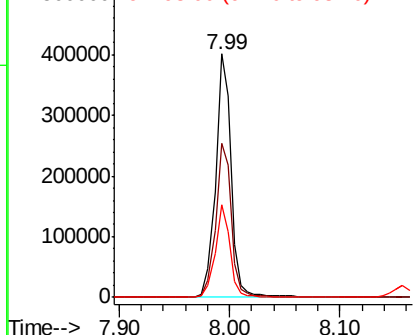
#29
2,4-Dichlorophenol
Concen: 48.144 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.2	83.2
98	37.8	17.3	57.3

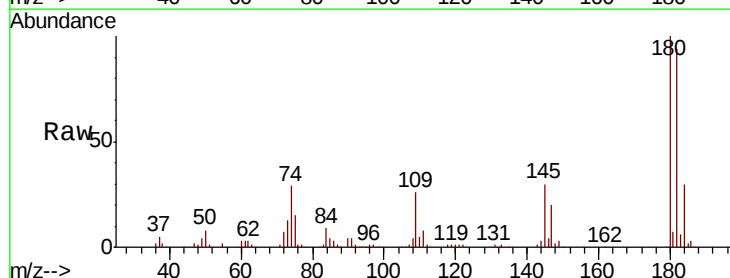


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

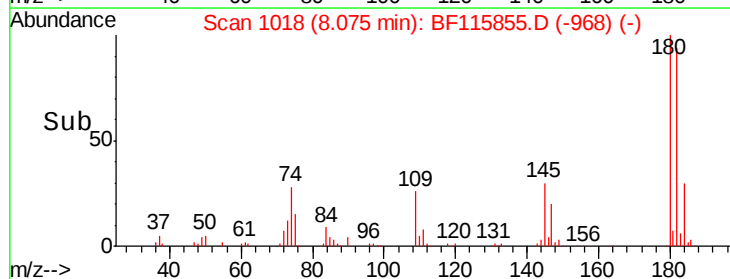
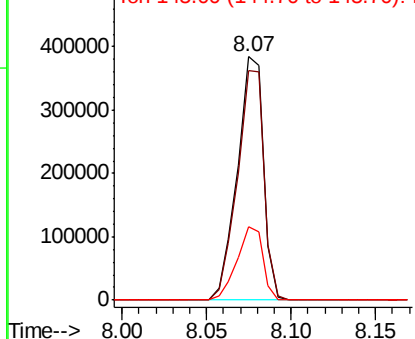


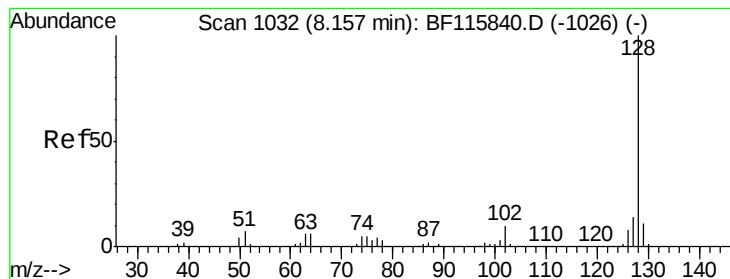
#30
1,2,4-Trichlorobenzene
Concen: 45.120 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
145	30.4	23.2	34.8



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 47.495 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

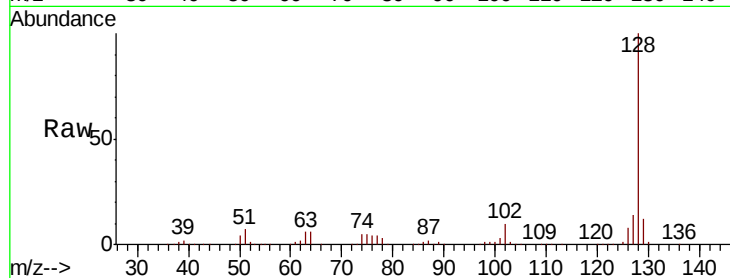
Tot Ion:128 Resp: 1288741

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

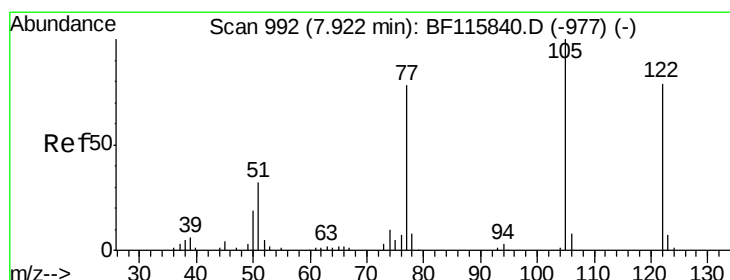
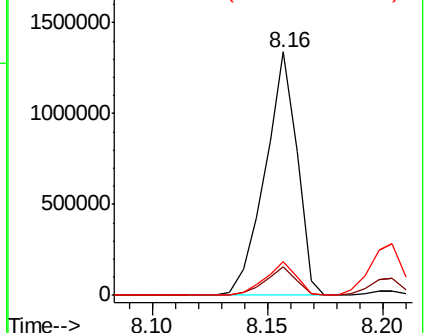
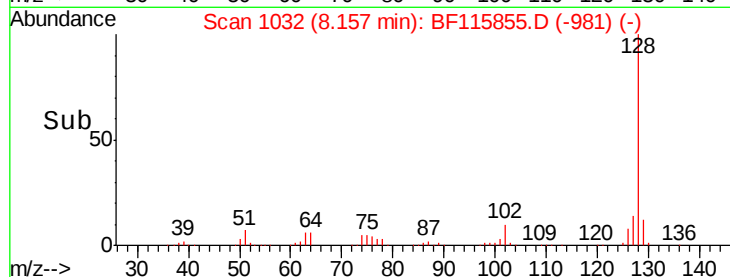
127 13.7 11.0 16.4



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: 51.608 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

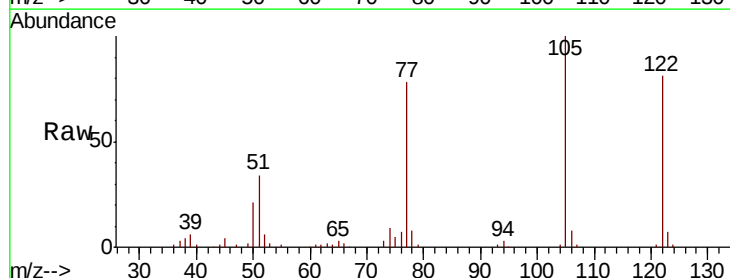
Tgt Ion:122 Resp: 278324

Ion Ratio Lower Upper

122 100

105 123.4 103.1 143.1

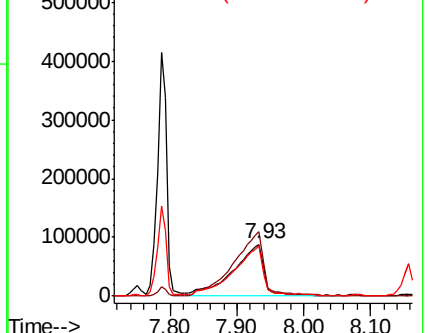
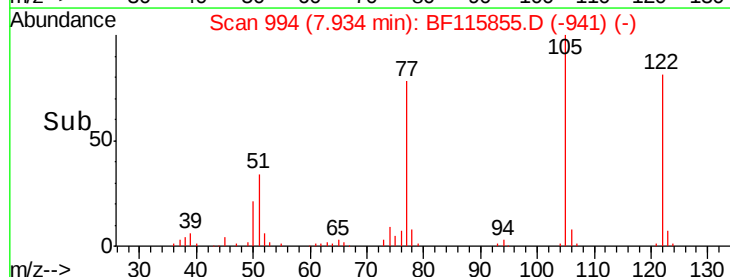
77 96.6 76.8 116.8



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

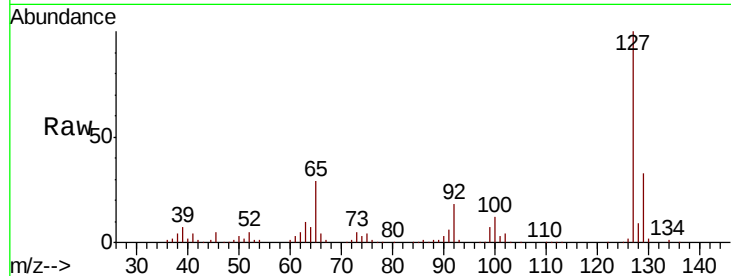




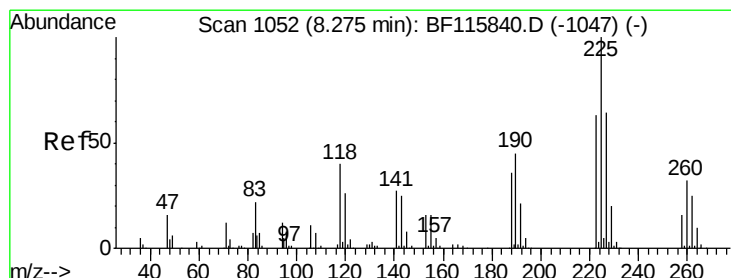
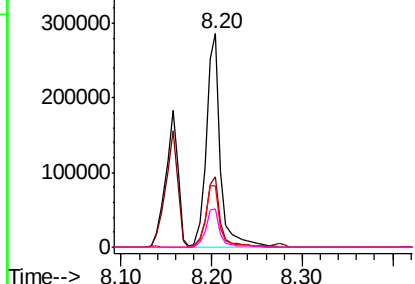
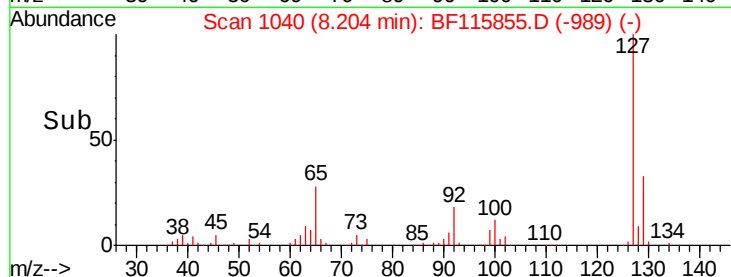
#33
4-Chloroaniline
Concen: 25.865 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	313584
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	28.9	23.9	35.9
92	18.2	14.9	22.3

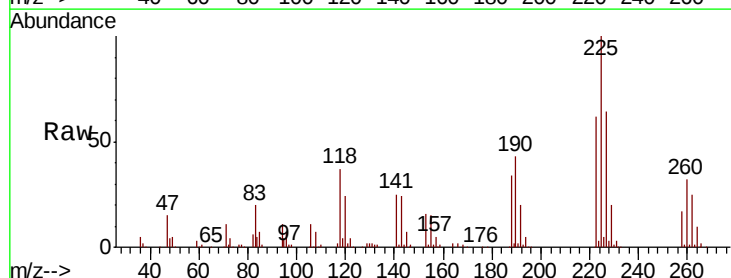


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

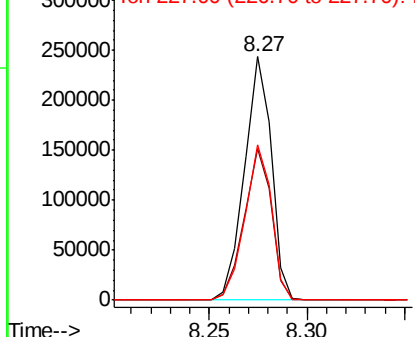
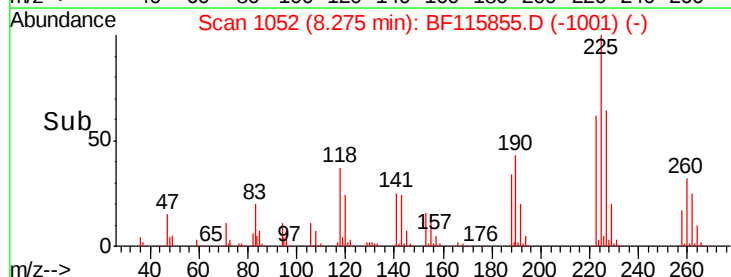


#34
Hexachlorobutadiene
Concen: 43.969 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:	225	Resp:	233166
Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.4	75.6
227	63.9	51.6	77.4



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

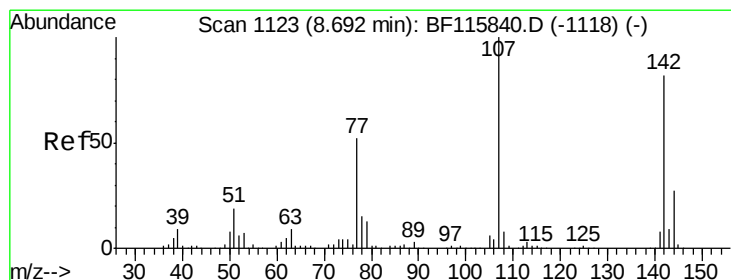
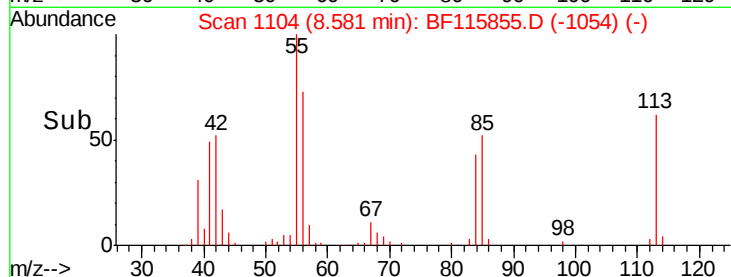
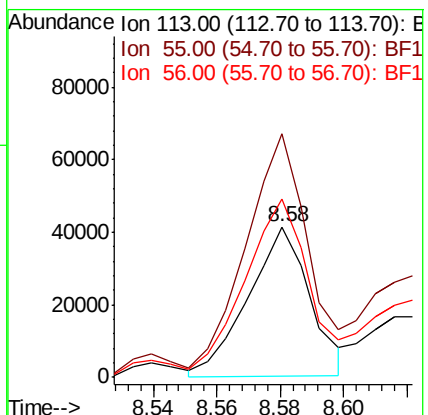
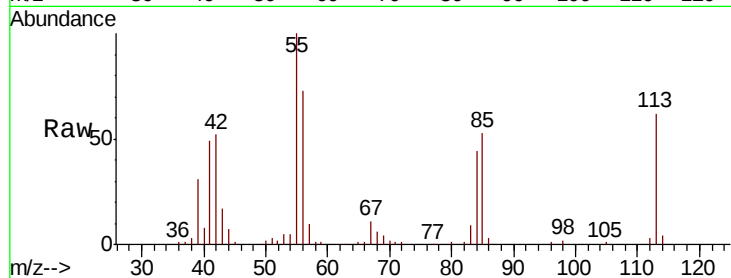




#35
 Caprolactam
 Concen: 21.400 ng
 RT: 8.58 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

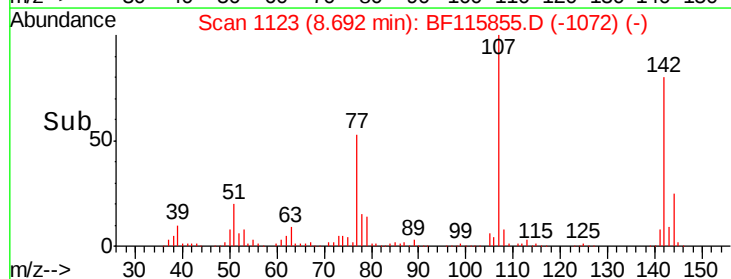
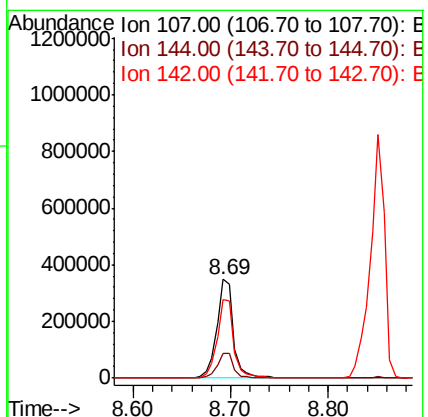
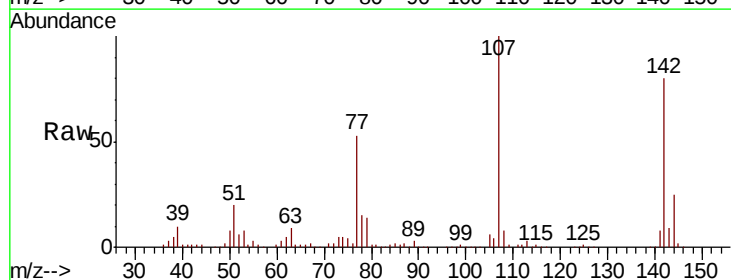
Instrument :
 BNA_F
 ClientSampled :

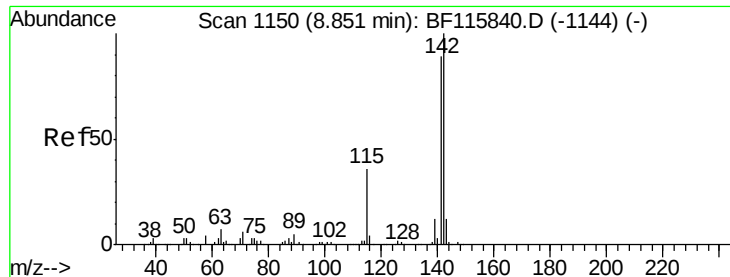
Tot Ion:113 Resp: 55900
 Ion Ratio Lower Upper
 113 100
 55 161.5 138.1 178.1
 56 118.0 100.6 140.6



#36
 4-Chloro-3-methylphenol
 Concen: 48.970 ng
 RT: 8.69 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion:107 Resp: 411461
 Ion Ratio Lower Upper
 107 100
 144 25.4 21.4 32.0
 142 79.8 65.5 98.3

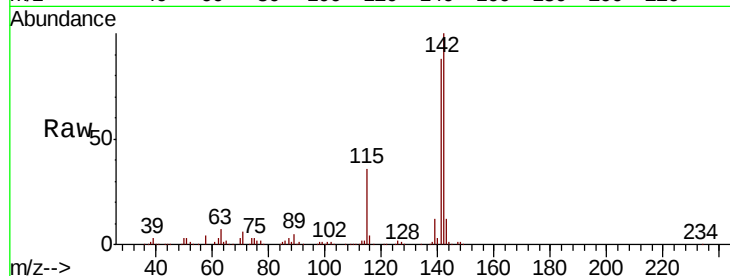




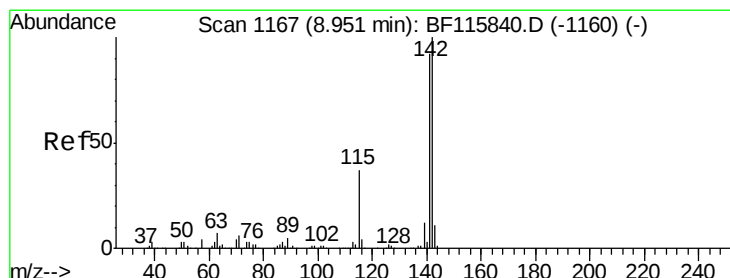
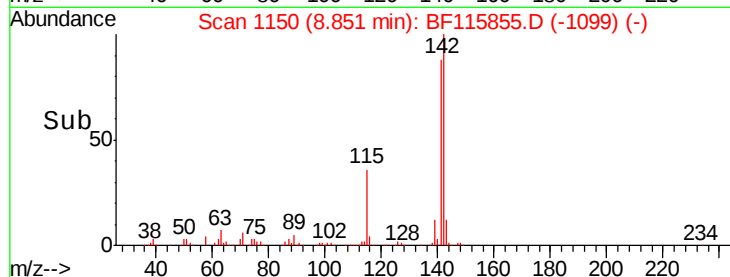
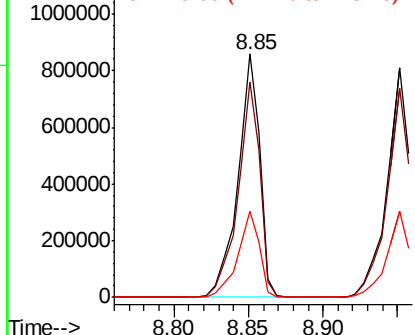
#37
 2-Methylnaphthalene
 Concen: 48.965 ng
 RT: 8.85 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.4	107.2
115	35.6	28.9	43.3

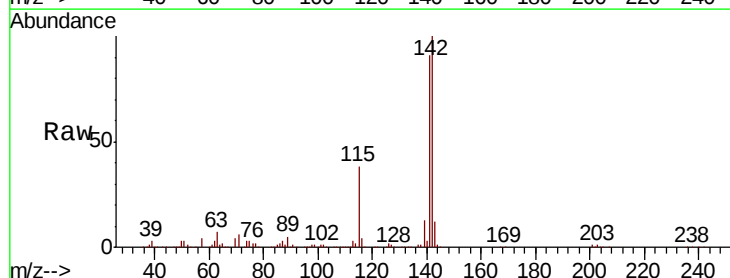


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

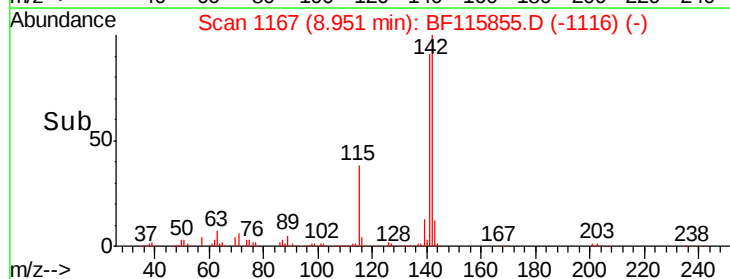
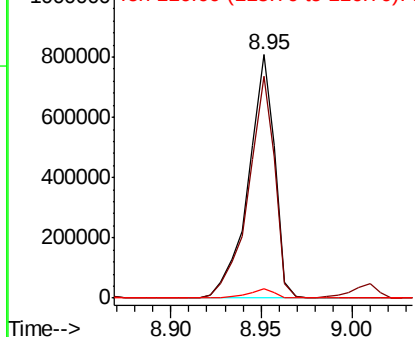


#38
 1-Methylnaphthalene
 Concen: 47.847 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.8	110.6
116	4.0	3.1	4.7



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: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

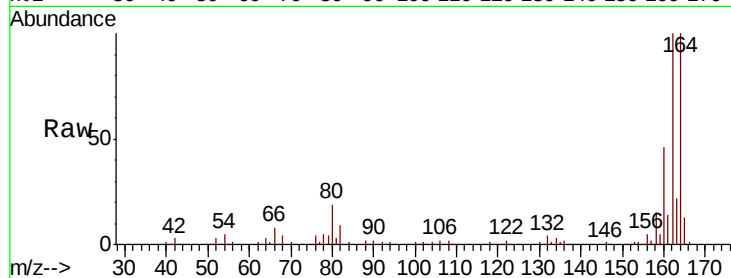
Tot Ion:164 Resp: 312086

Ion Ratio Lower Upper

164 100

162 99.9 80.8 121.2

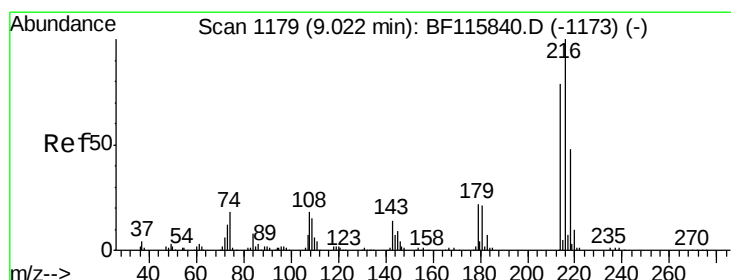
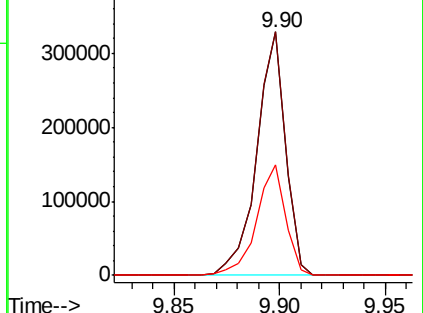
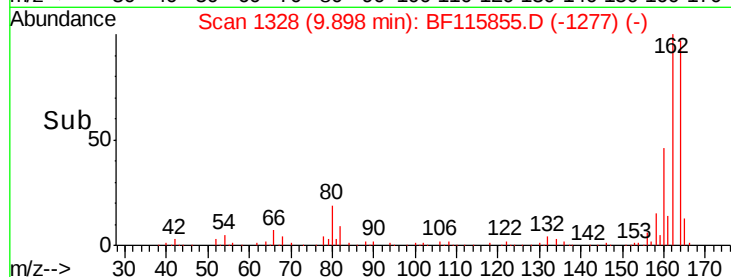
160 45.6 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.166 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Tgt Ion:216 Resp: 385176

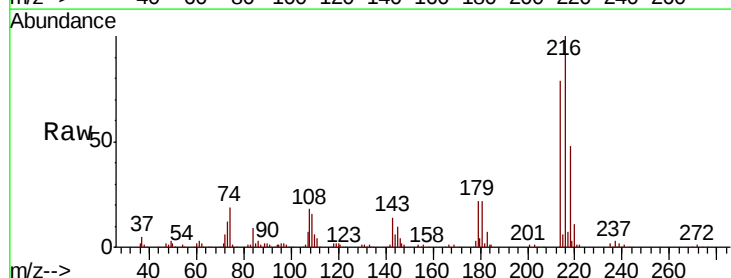
Ion Ratio Lower Upper

216 100

214 79.0 62.8 94.2

179 21.9 17.6 26.4

108 22.2 16.1 24.1

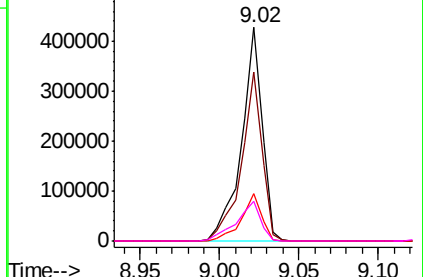
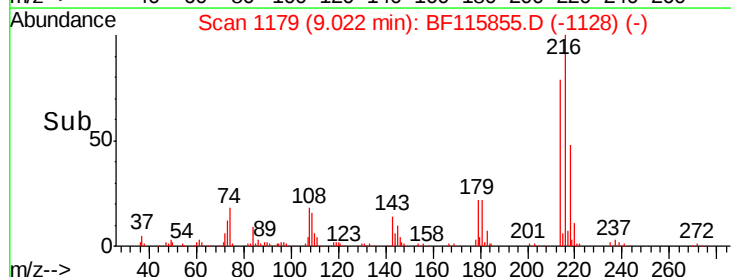


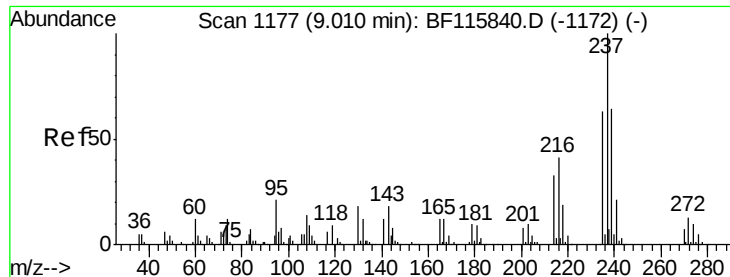
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 92.017 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampled :

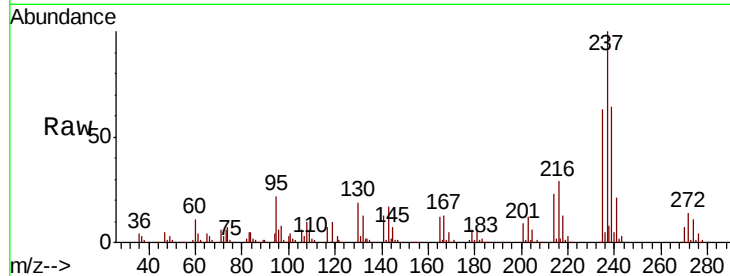
Tot Ion:237 Resp: 348251

Ion Ratio Lower Upper

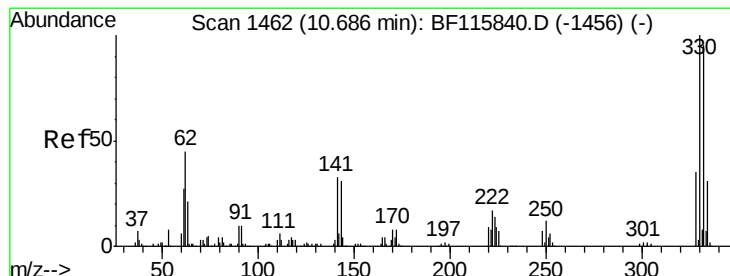
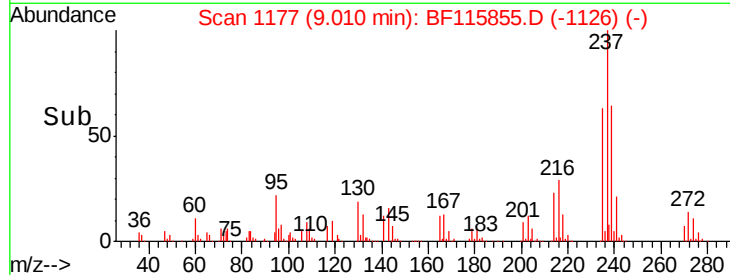
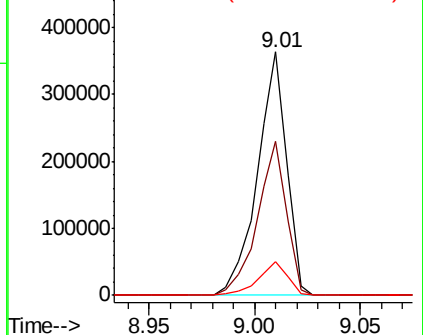
237 100

235 63.3 42.5 82.5

272 13.6 0.0 33.3



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: 122.723 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

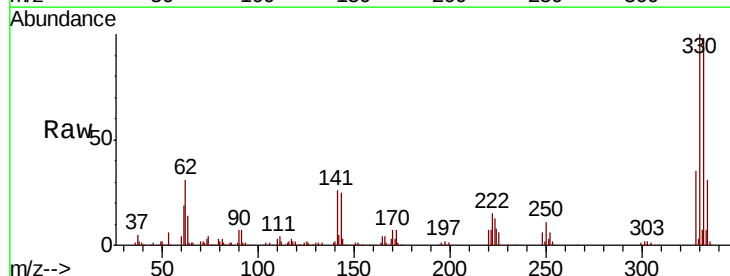
Tgt Ion:330 Resp: 371330

Ion Ratio Lower Upper

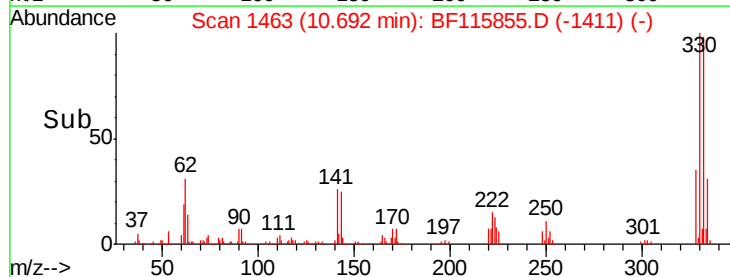
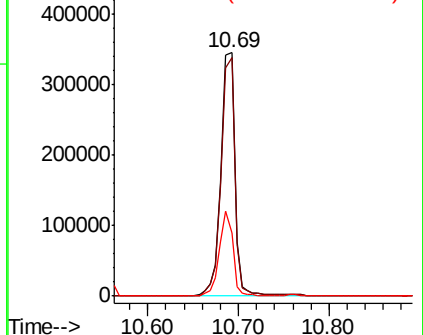
330 100

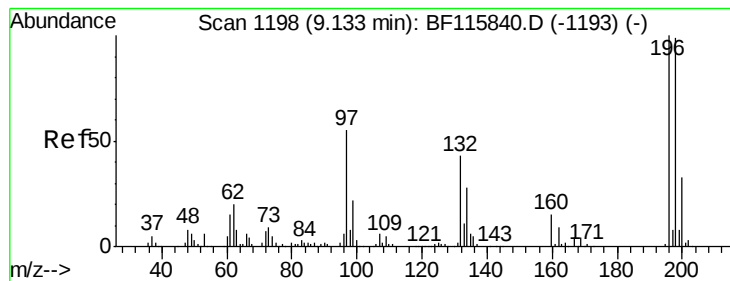
332 97.0 77.7 116.5

141 33.4 28.1 42.1



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: 44.744 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampled :

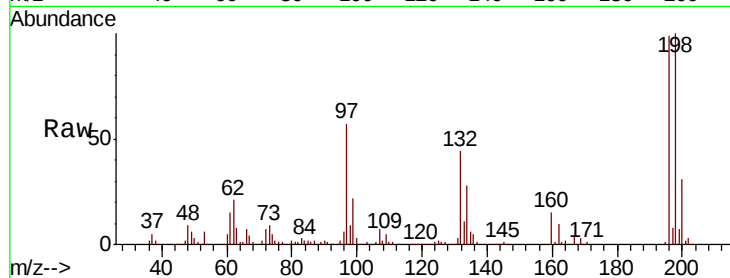
Tot Ion:196 Resp: 256956

Ion Ratio Lower Upper

196 100

198 100.8 79.1 118.7

200 31.3 26.0 39.0

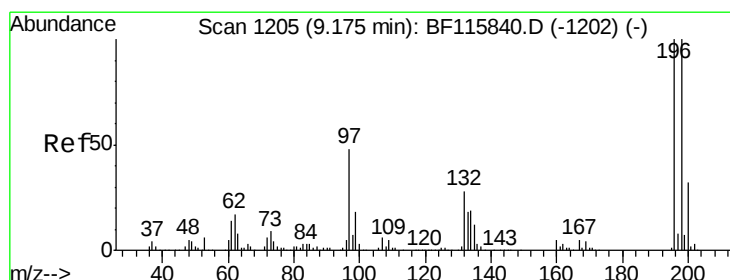
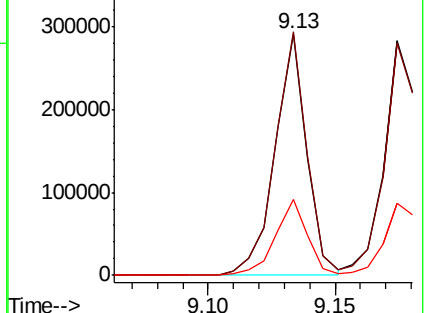
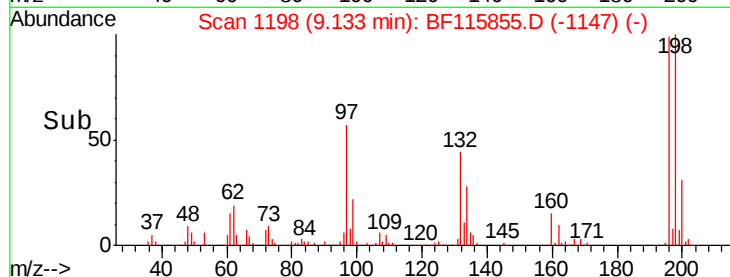


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 47.240 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Tgt Ion:196 Resp: 280434

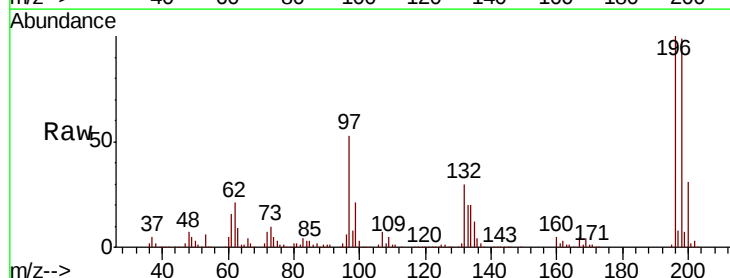
Ion Ratio Lower Upper

196 100

198 99.2 80.1 120.1

97 53.3 38.9 58.3

132 30.0 22.6 33.8



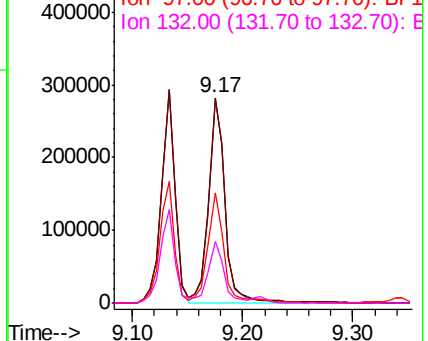
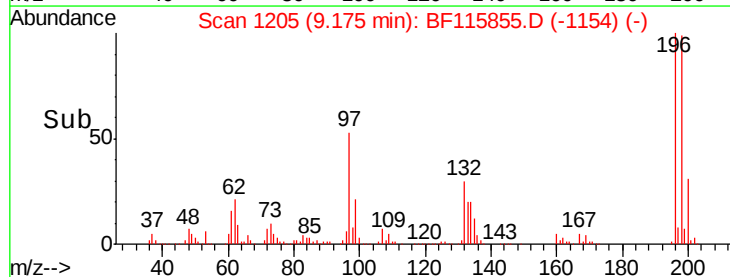
Abundance

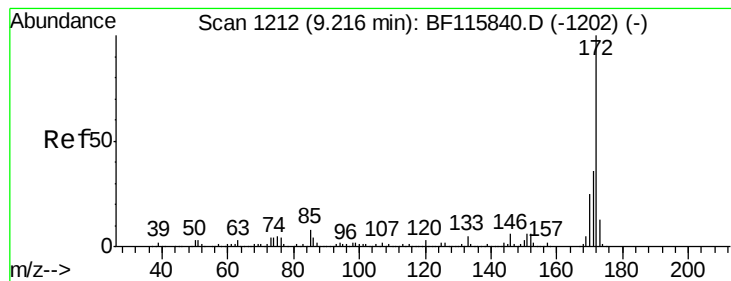
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 89.373 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

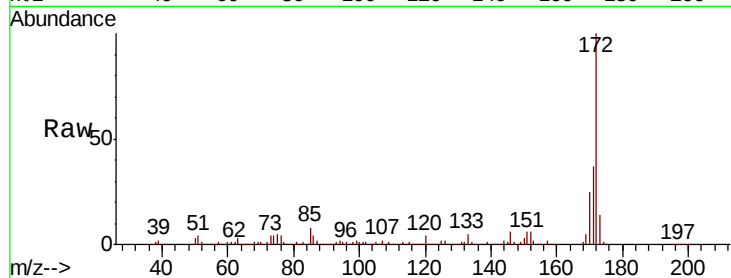
Tot Ion:172 Resp: 1489099

Ion Ratio Lower Upper

172 100

171 37.2 29.1 43.7

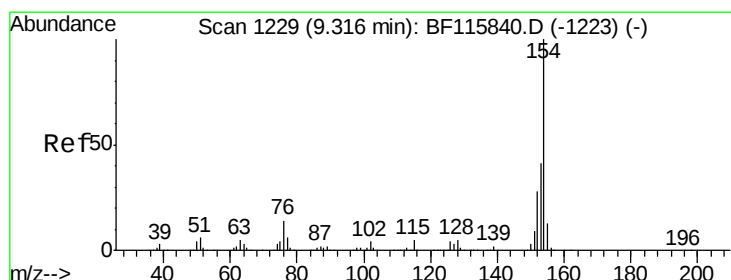
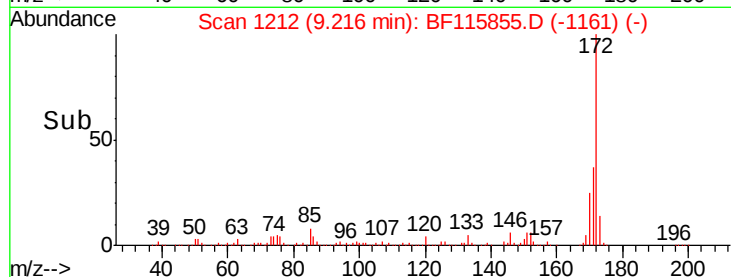
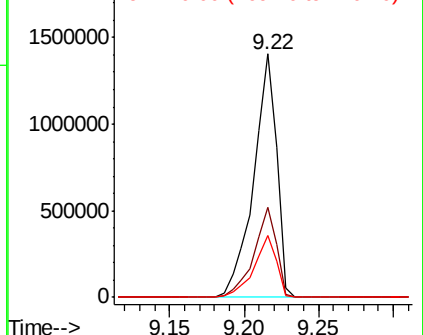
170 25.3 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 47.329 ng

RT: 9.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

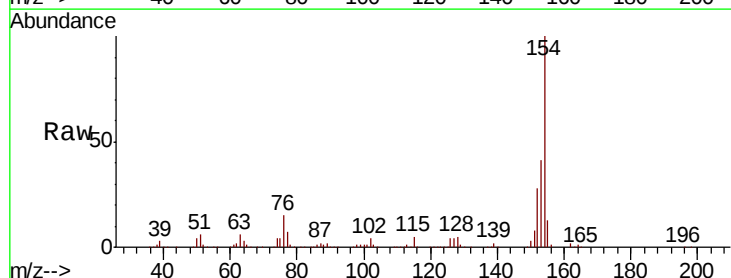
Tgt Ion:154 Resp: 1042804

Ion Ratio Lower Upper

154 100

153 40.8 20.9 60.9

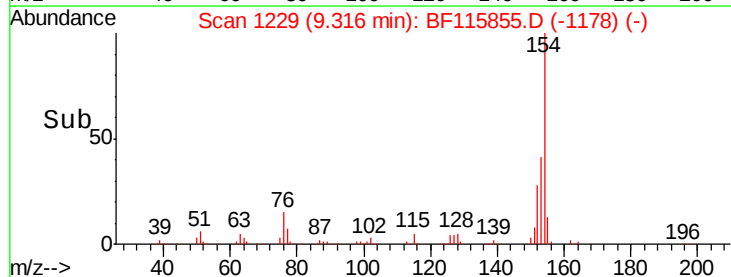
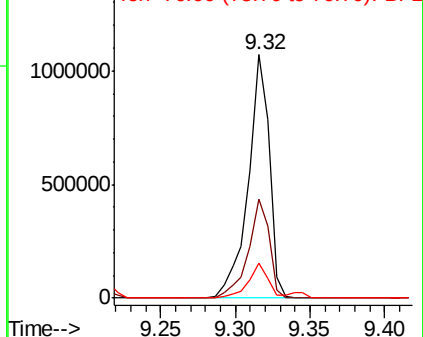
76 14.5 0.0 34.3



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

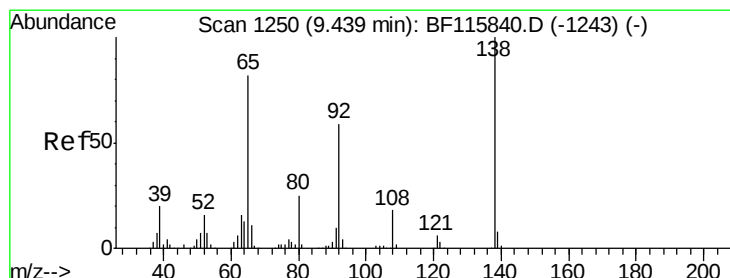
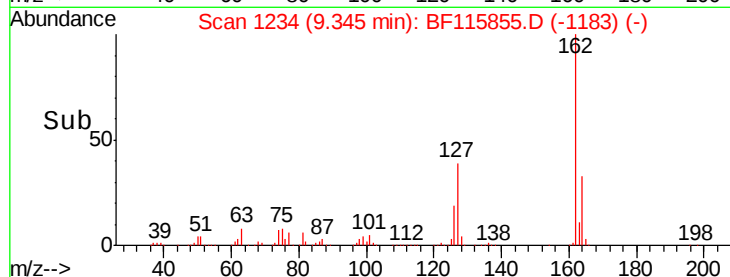
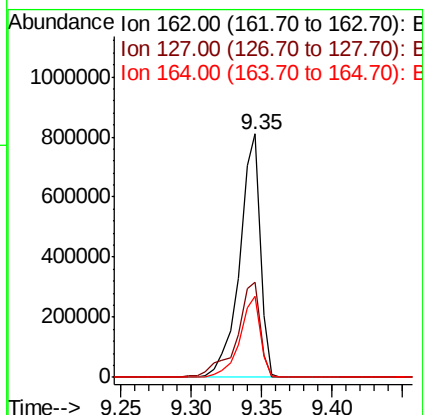
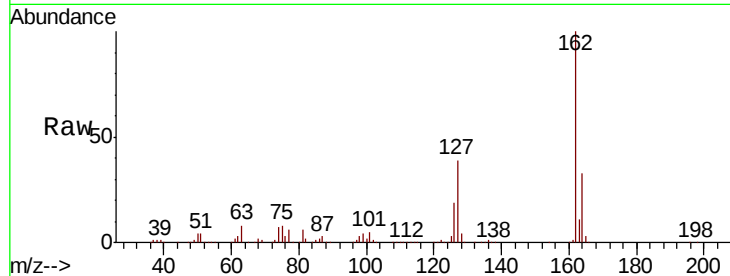




#47
 2-Chloronaphthalene
 Concen: 44.766 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

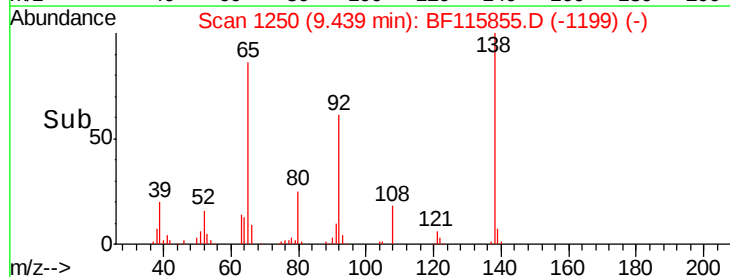
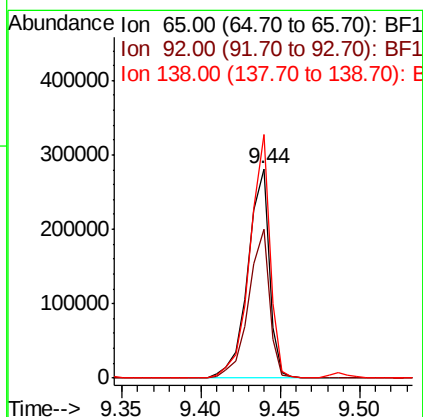
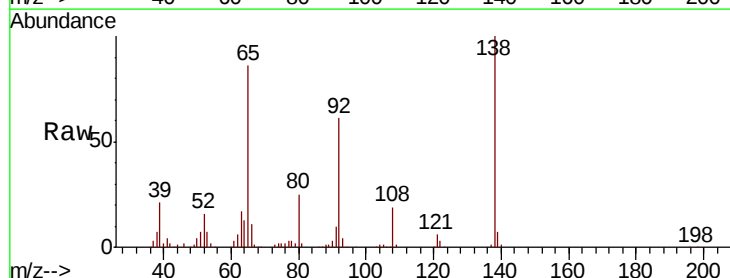
Instrument :
 BNA_F
 ClientSampleId :

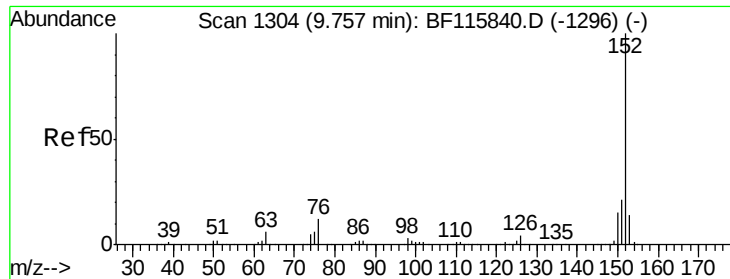
Tot Ion:	162	Resp:	820921
Ion	Ratio	Lower	Upper
162	100		
127	38.9	31.3	46.9
164	33.2	26.6	40.0



#48
 2-Nitroaniline
 Concen: 43.546 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion:	65	Resp:	263951
Ion	Ratio	Lower	Upper
65	100		
92	70.9	57.1	85.7
138	116.2	97.1	145.7





#49

Acenaphthylene

Concen: 47.590 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

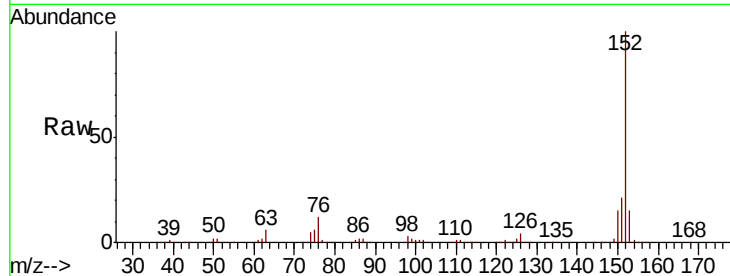
Tot Ion:152 Resp: 1273208

Ion Ratio Lower Upper

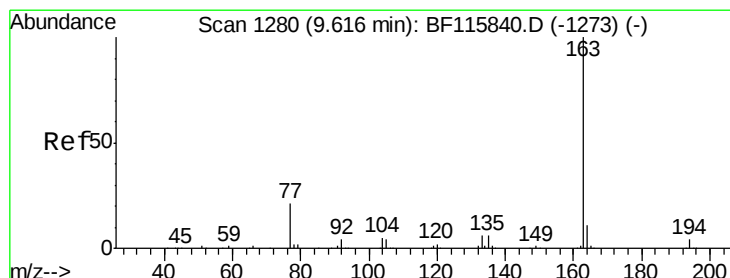
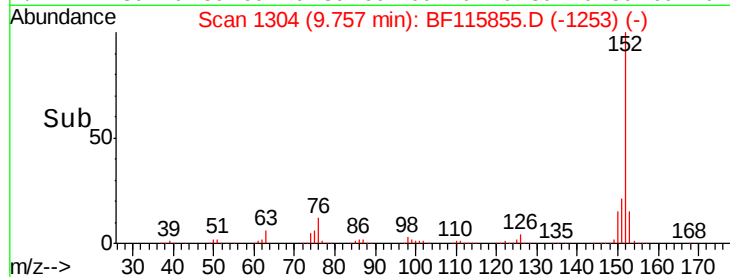
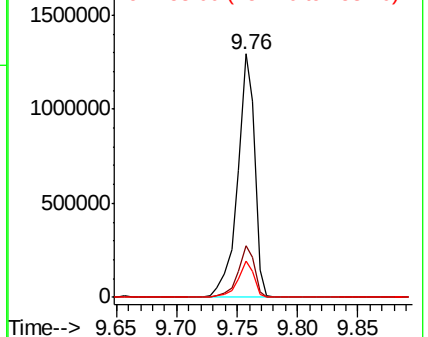
152 100

151 21.3 16.8 25.2

153 14.7 11.6 17.4



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: 44.393 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

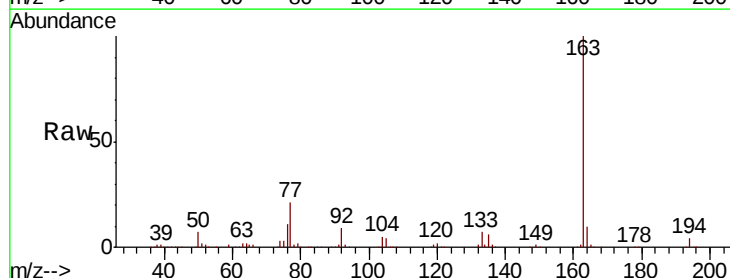
Tgt Ion:163 Resp: 943335

Ion Ratio Lower Upper

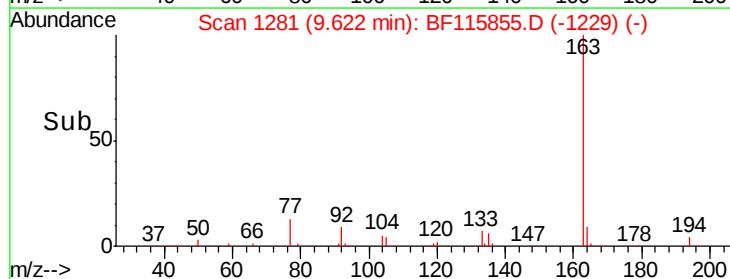
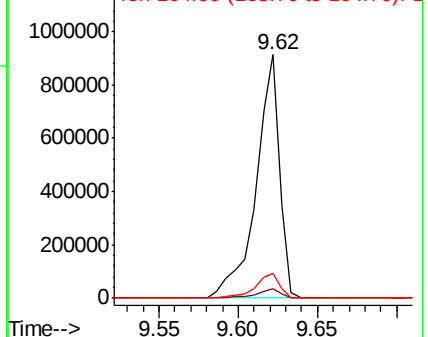
163 100

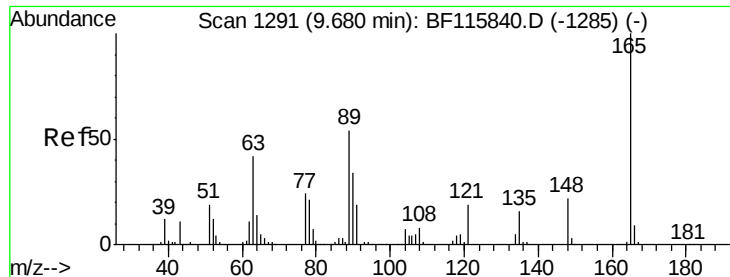
194 3.8 3.0 4.6

164 10.3 8.4 12.6



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

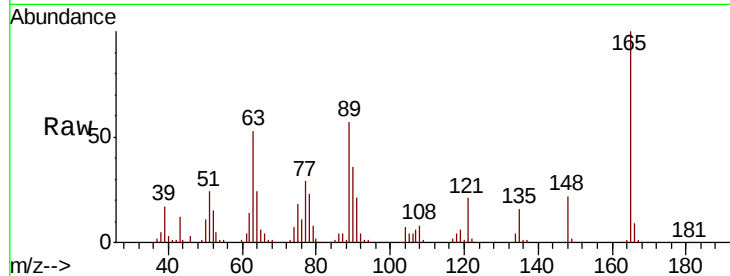




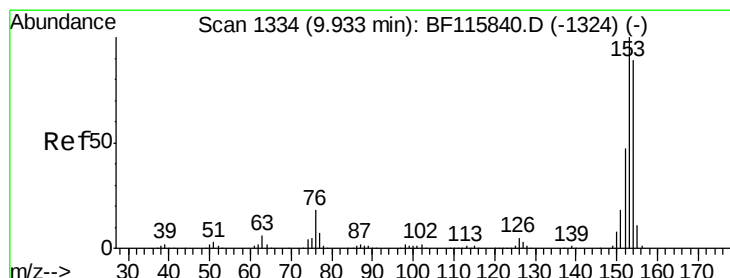
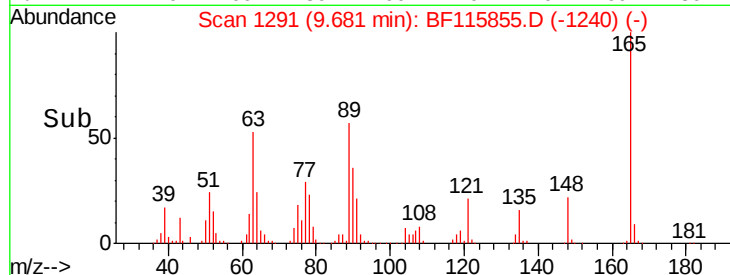
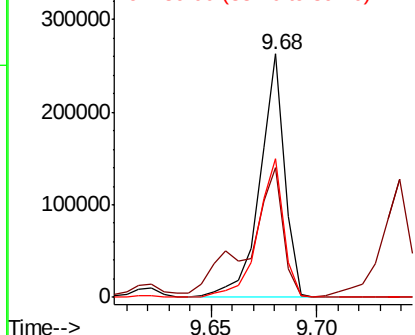
#51
2,6-Dinitrotoluene
Concen: 46.405 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 214292
Ion Ratio Lower Upper
165 100
63 53.2 39.4 59.2
89 57.1 43.0 64.6

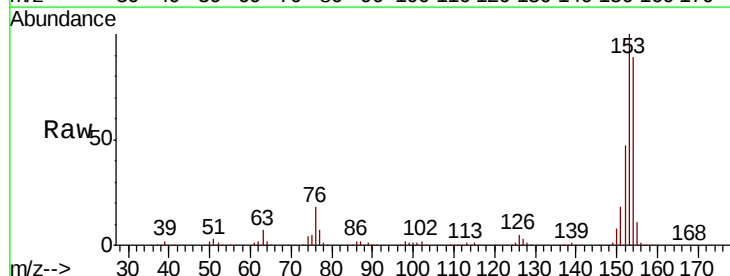


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

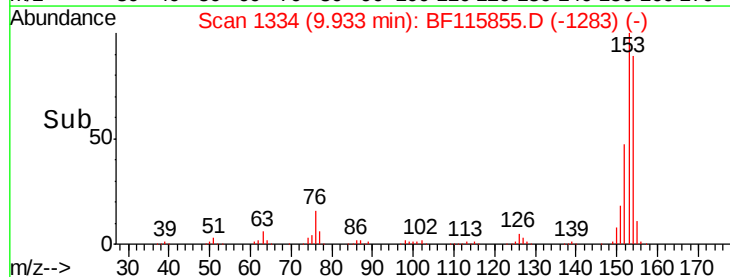
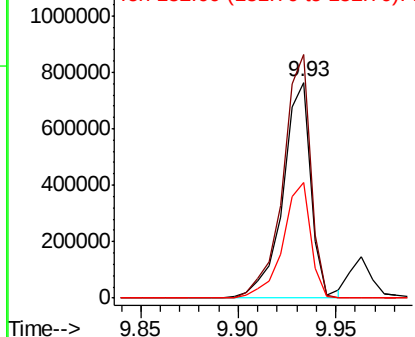


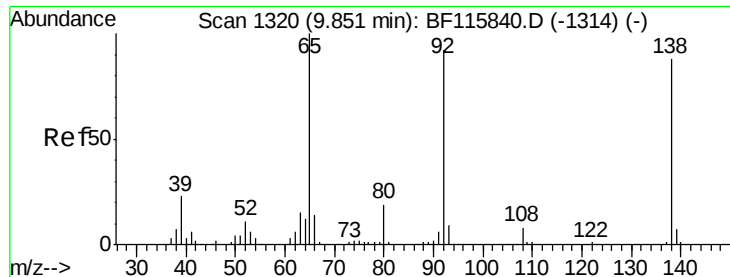
#52
Acenaphthene
Concen: 46.577 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:154 Resp: 764470
Ion Ratio Lower Upper
154 100
153 112.9 90.1 135.1
152 53.5 42.6 63.8



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

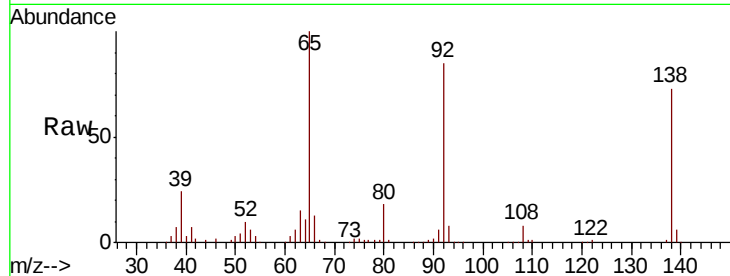




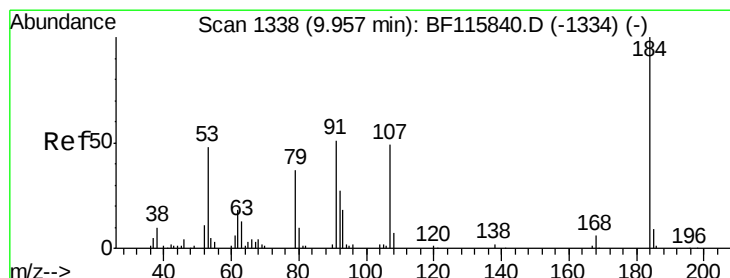
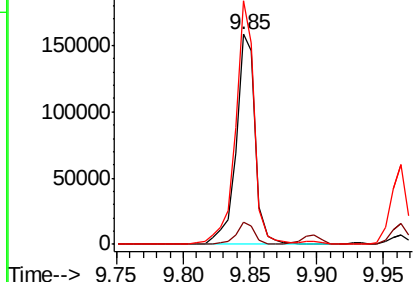
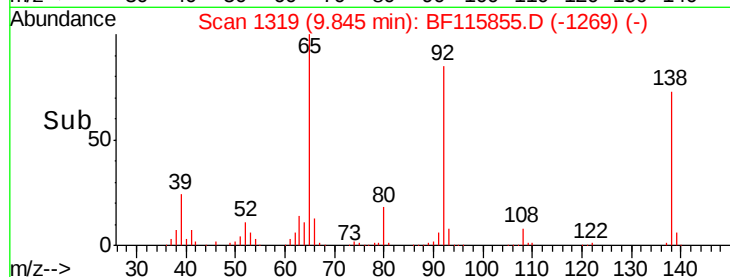
#53
3-Nitroaniline
Concen: 27.883 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 159098
Ion Ratio Lower Upper
138 100
108 10.5 7.4 11.2
92 116.0 83.9 125.9

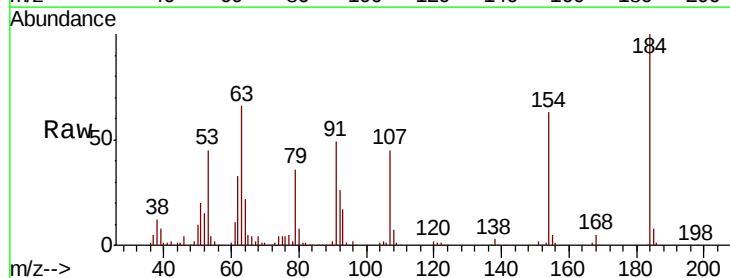


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

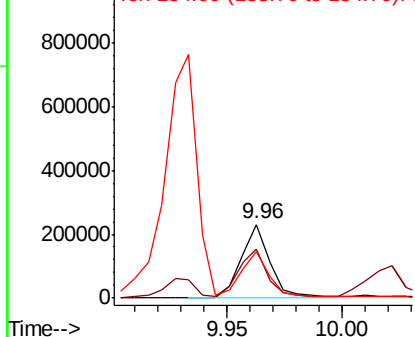
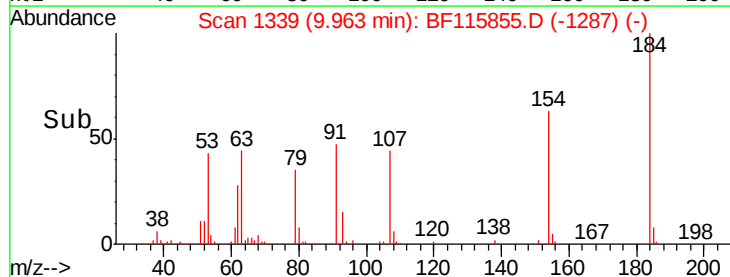


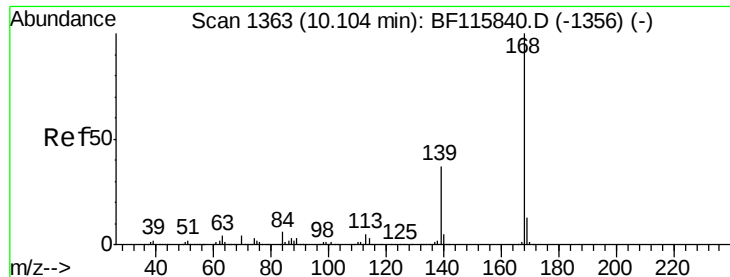
#54
2,4-Dinitrophenol
Concen: 87.348 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:184 Resp: 207026
Ion Ratio Lower Upper
184 100
63 66.3 56.7 85.1
154 63.5 51.9 77.9



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

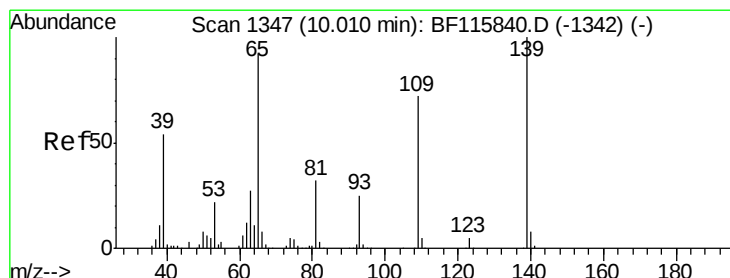
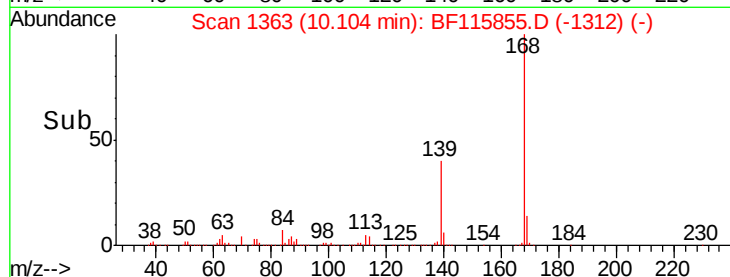
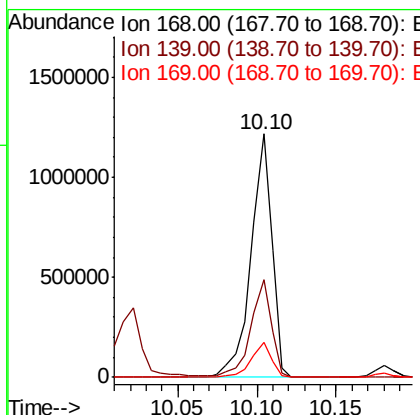
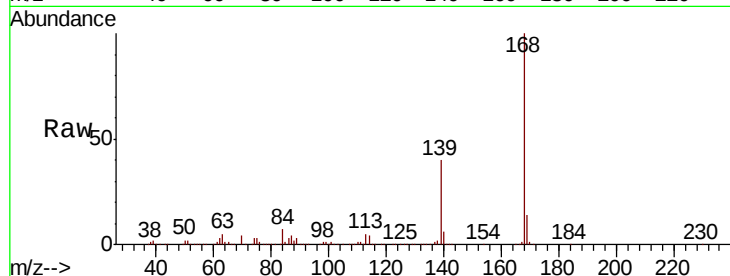




#55
Dibenzofuran
Concen: 46.586 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

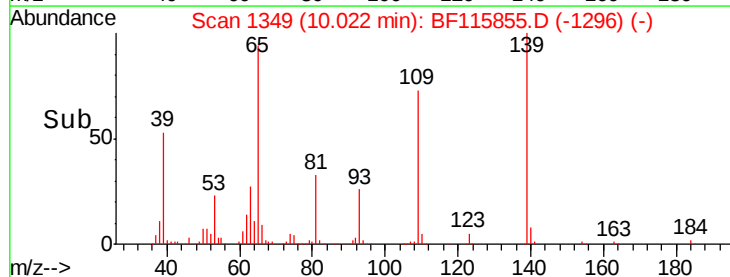
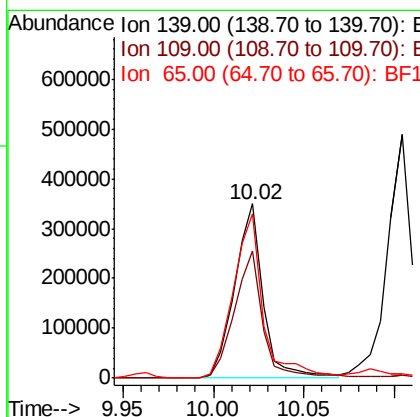
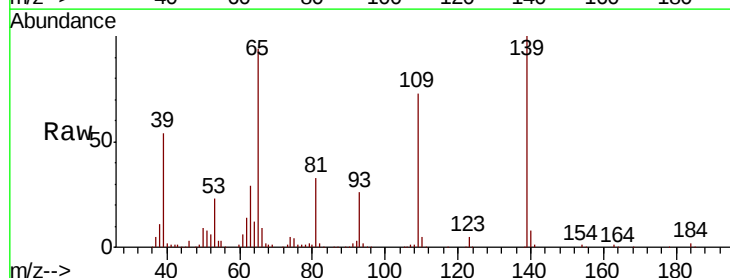
Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 1111943
Ion Ratio Lower Upper
168 100
139 40.2 30.2 45.2
169 14.2 10.8 16.2



#56
4-Nitrophenol
Concen: 104.913 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:139 Resp: 383483
Ion Ratio Lower Upper
139 100
109 73.1 52.0 92.0
65 94.1 72.6 112.6

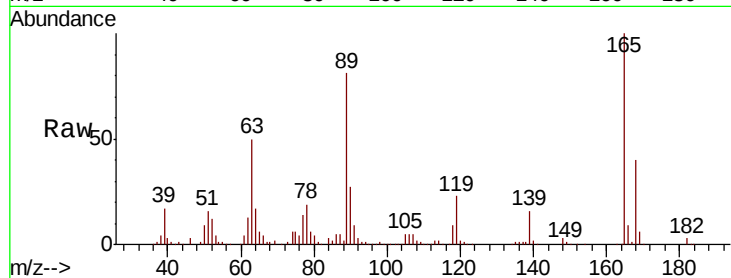




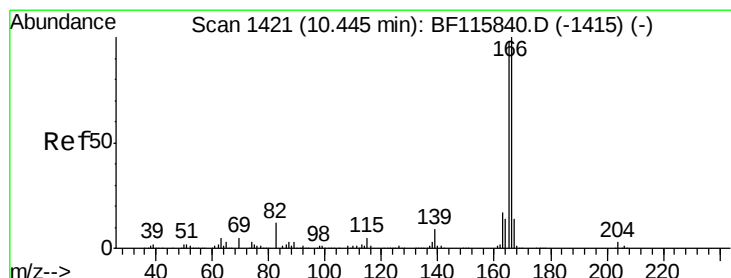
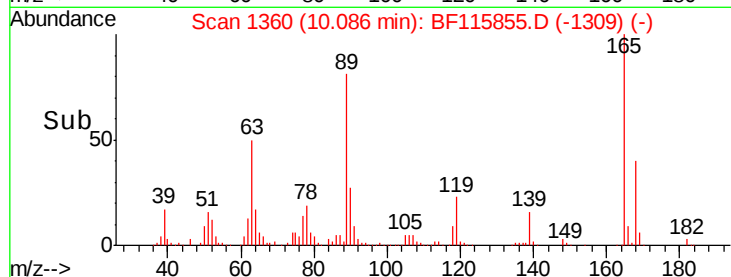
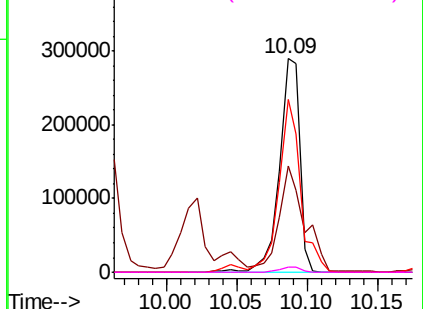
#57
2,4-Dinitrotoluene
Concen: 47.329 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:165	Resp:	290995
Ion Ratio	Lower	Upper
165	100	
63	49.6	33.2 49.8
89	80.9	57.3 85.9
182	2.5	2.1 3.1

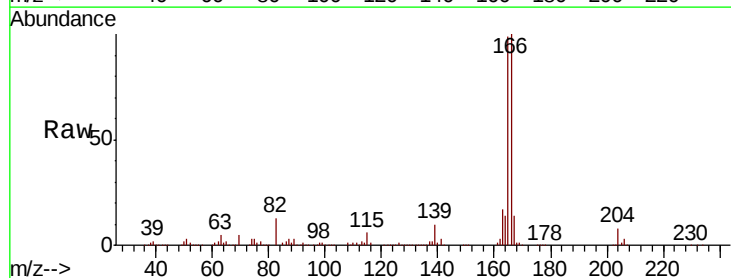


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

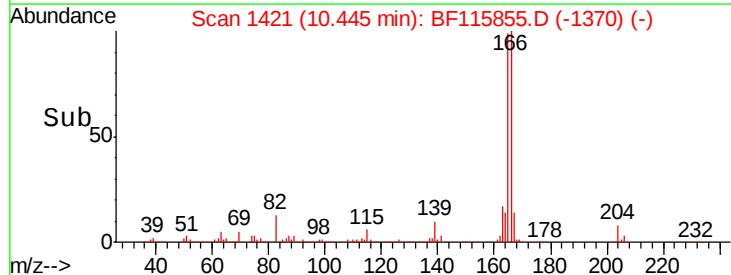
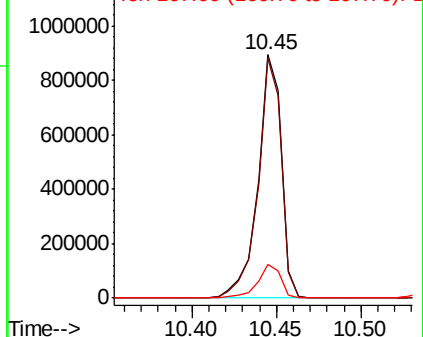


#58
Fluorene
Concen: 47.045 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:166	Resp:	863928
Ion Ratio	Lower	Upper
166	100	
165	98.7	78.6 118.0
167	13.9	10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

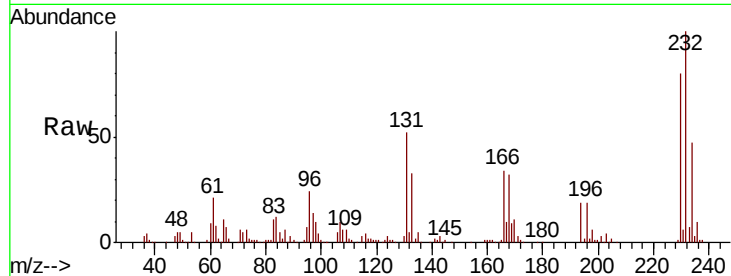




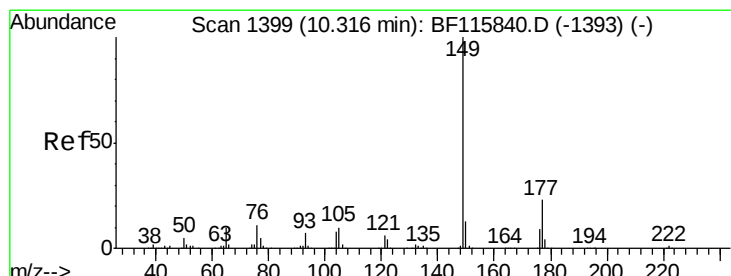
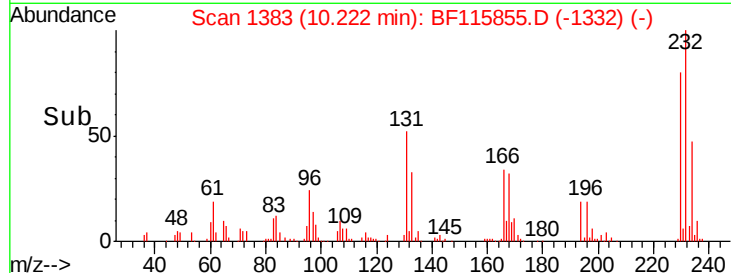
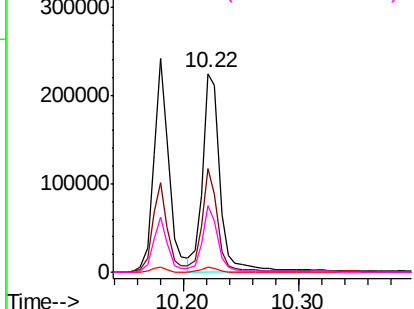
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 47.439 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.5	37.6	56.4
130	2.5	1.8	2.8
166	29.7	24.6	37.0

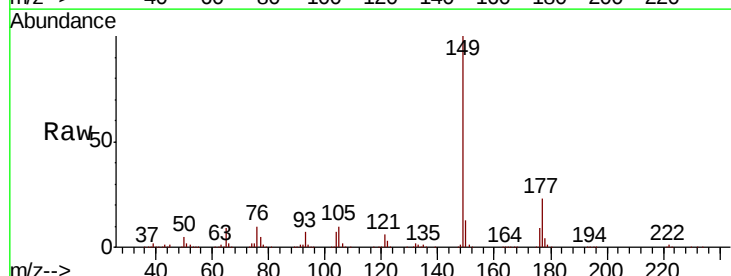


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

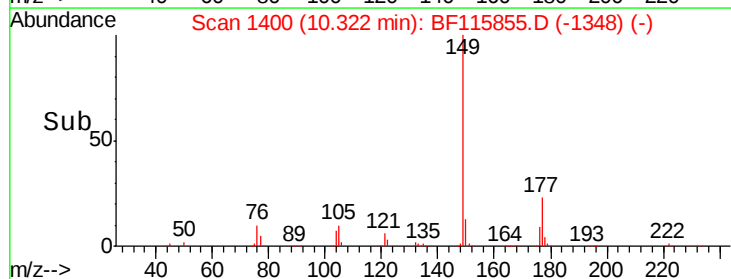
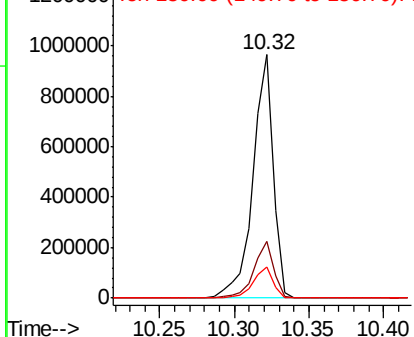


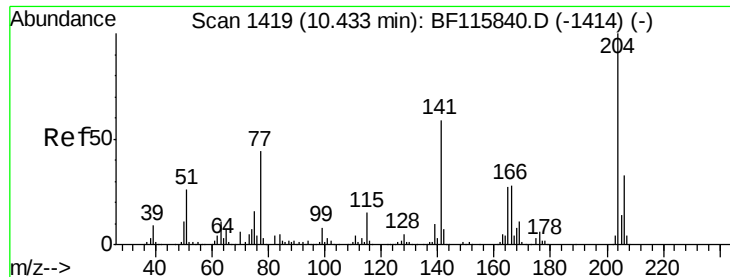
#60
 Diethylphthalate
 Concen: 45.323 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.4	27.6
150	12.7	10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

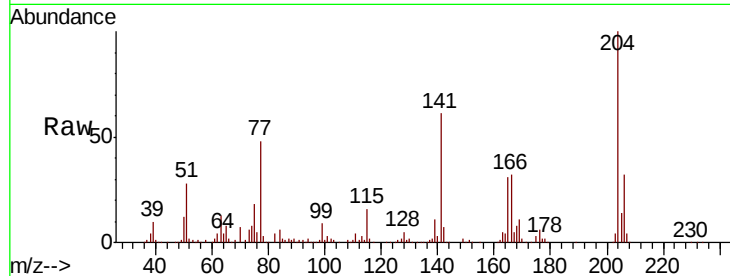




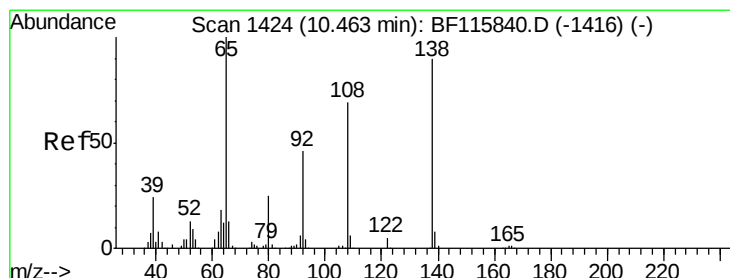
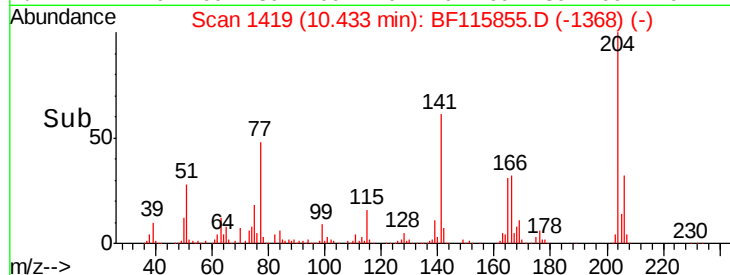
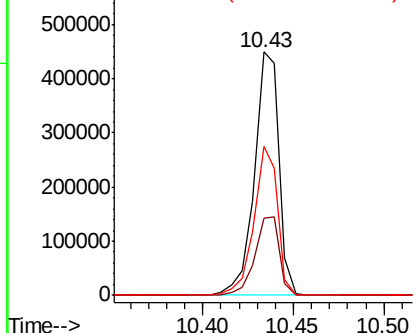
#61
 4-Chlorophenyl-phenylether
 Concen: 45.372 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.4	39.6
141	61.2	47.0	70.4

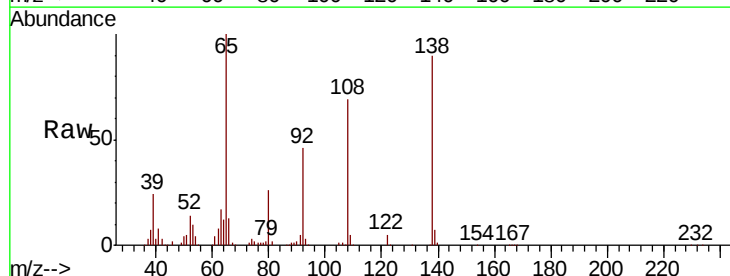


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

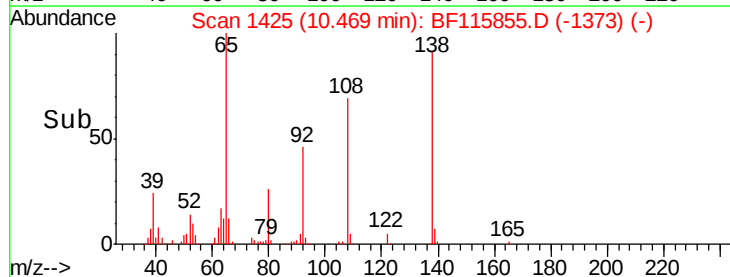
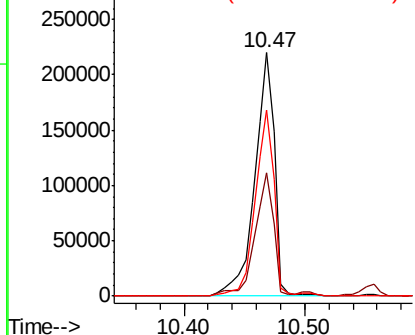


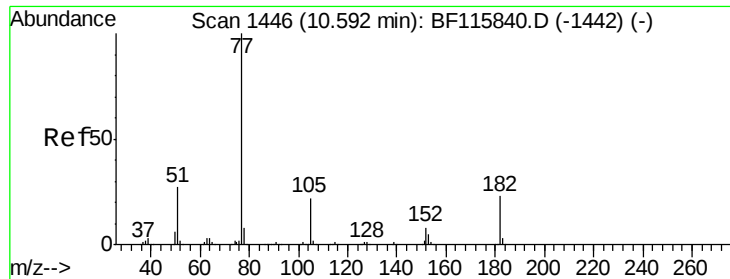
#62
 4-Nitroaniline
 Concen: 42.433 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.7	31.0	71.0
108	76.4	56.7	96.7



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 46.320 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 945202

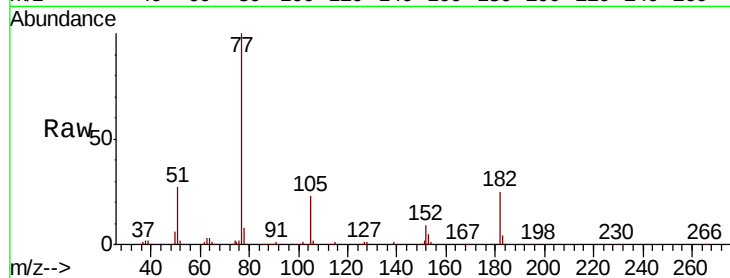
Ion Ratio Lower Upper

77 100

182 25.2 2.6 42.6

105 22.6 1.6 41.6

51 26.8 7.4 47.4

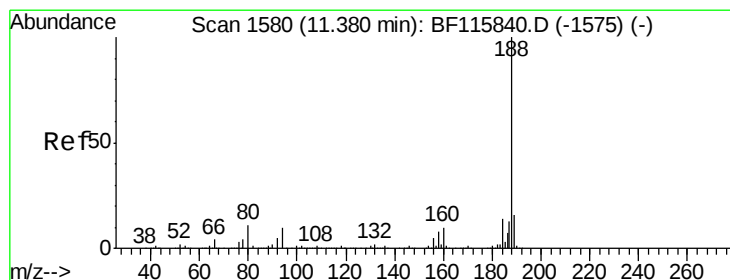
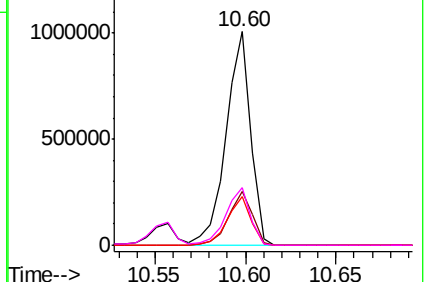
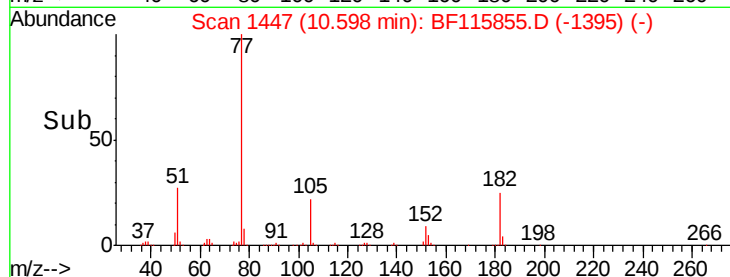


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

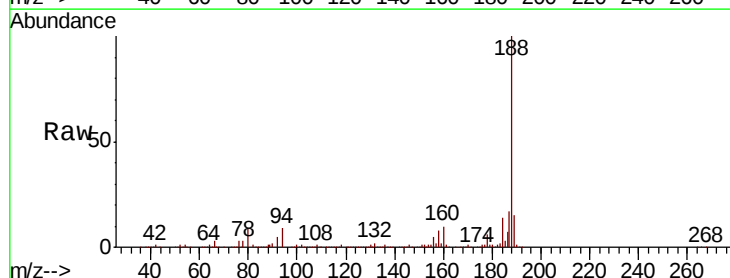
Tgt Ion: 188 Resp: 547338

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

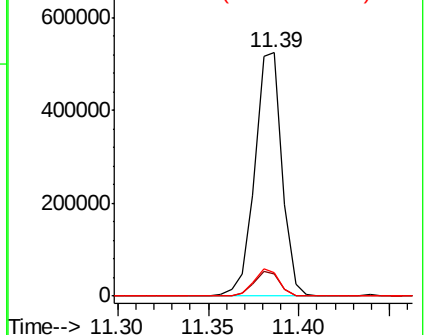
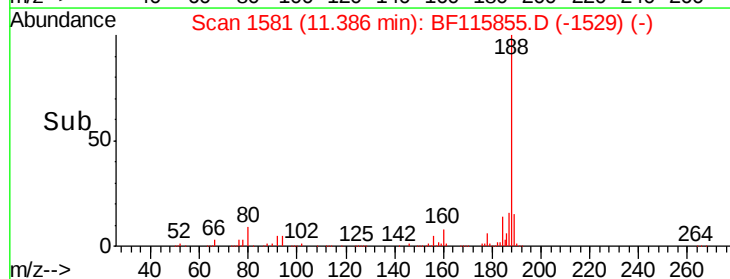
80 9.5 8.6 12.8

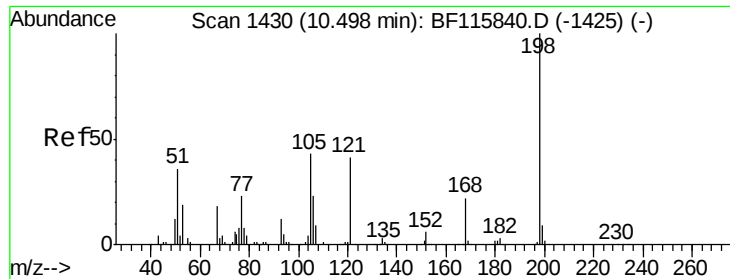


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

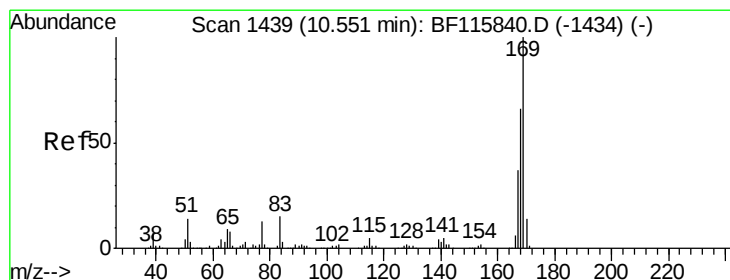
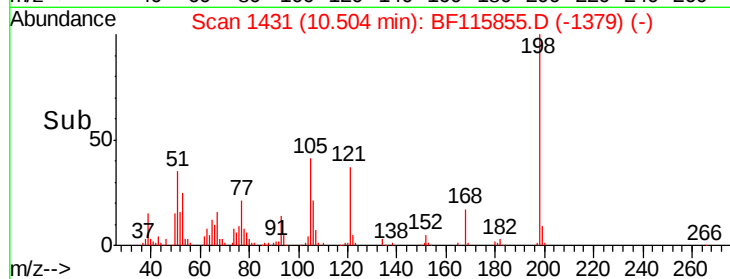
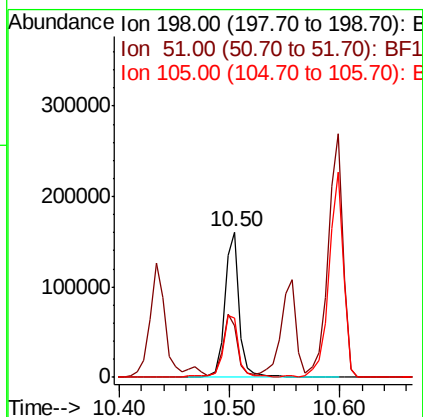
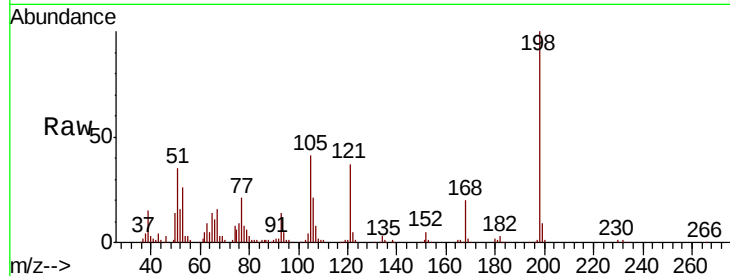




#65
 4,6-Dinitro-2-methylphenol
 Concen: 50.774 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

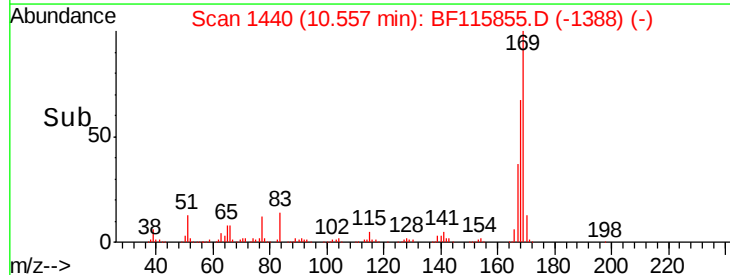
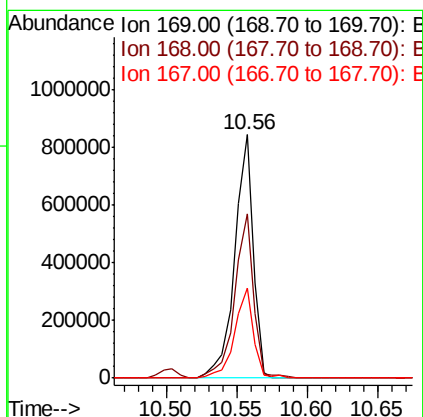
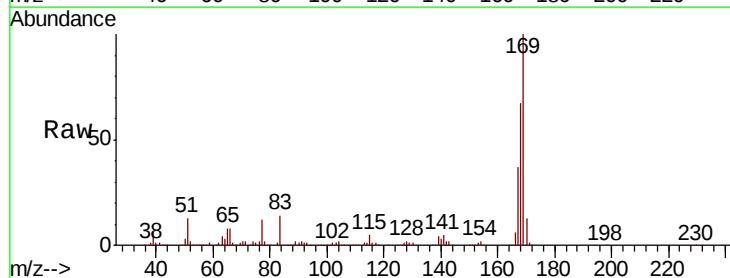
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 147270
 Ion Ratio Lower Upper
 198 100
 51 35.4 21.1 61.1
 105 40.7 24.5 64.5



#66
 n-Nitrosodiphenylamine
 Concen: 46.891 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion:169 Resp: 772496
 Ion Ratio Lower Upper
 169 100
 168 67.4 53.0 79.6
 167 37.1 29.9 44.9

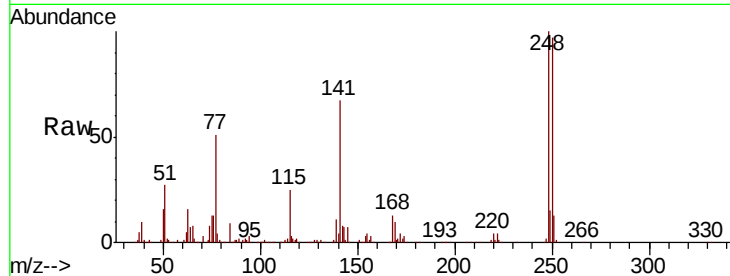




#67
4-Bromophenyl-phenylether
Concen: 44.692 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.6
141	66.6	64.3	96.5

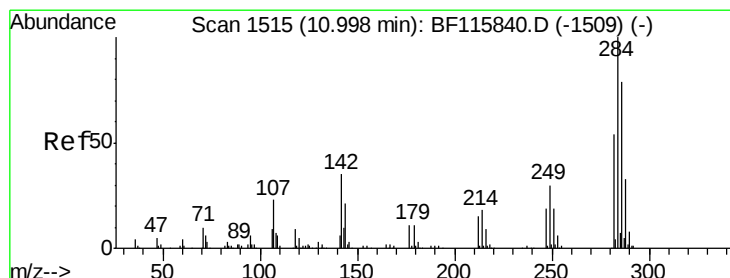
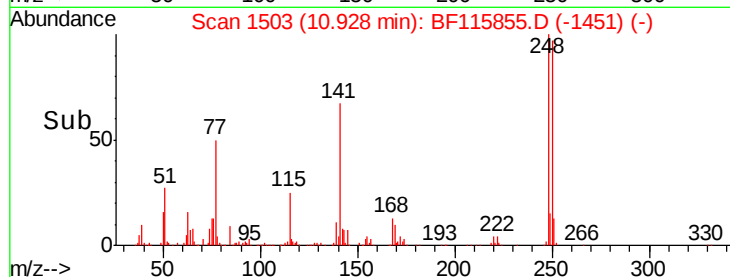
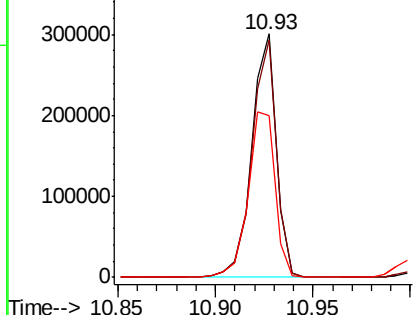


Abundance

Ion 248.00 (247.70 to 248.70): E

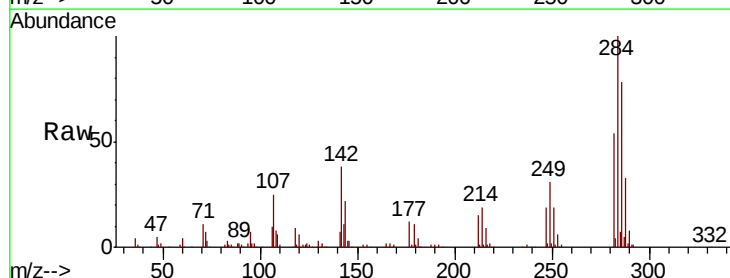
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 43.616 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.7	28.2	42.2
249	31.0	24.0	36.0

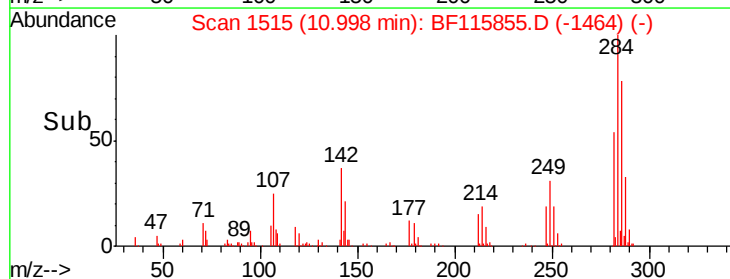
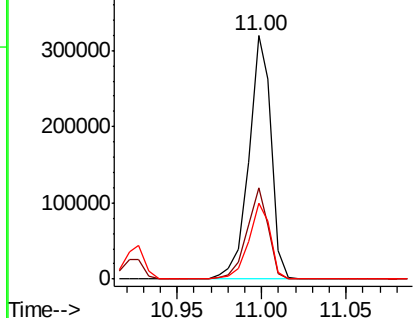


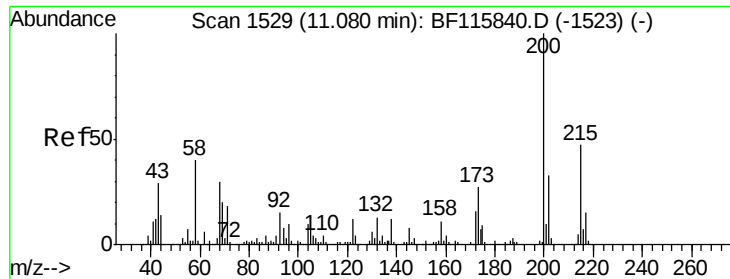
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 45.006 ng

RT: 11.08 min Scan# 1529

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

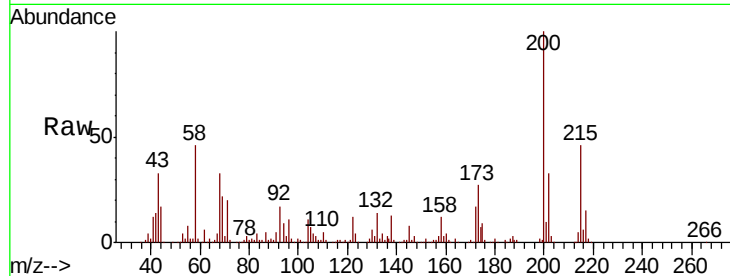
Tot Ion:200 Resp: 243918

Ion Ratio Lower Upper

200 100

173 26.9 7.3 47.3

215 46.3 26.9 66.9

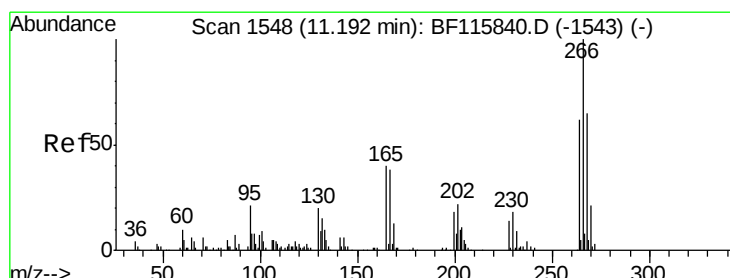
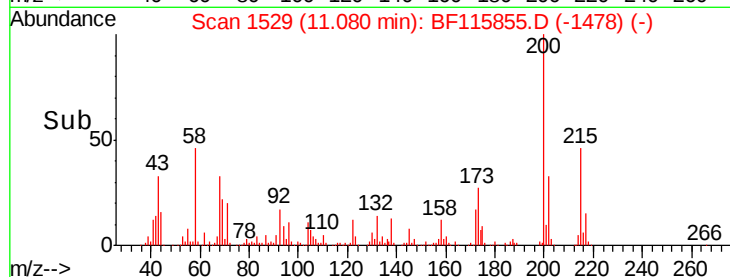
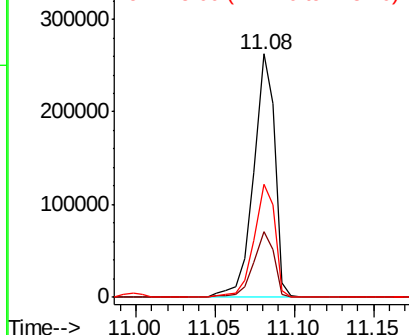


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 98.893 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

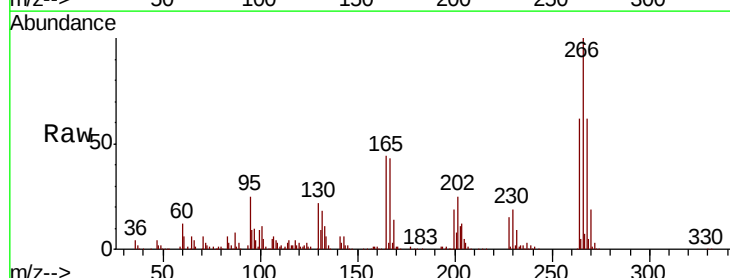
Tgt Ion:266 Resp: 325296

Ion Ratio Lower Upper

266 100

268 62.0 51.6 77.4

264 62.5 49.4 74.0

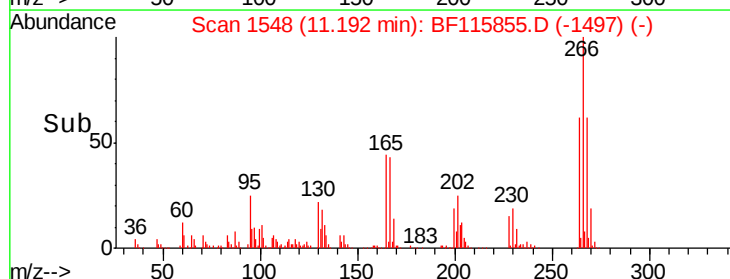
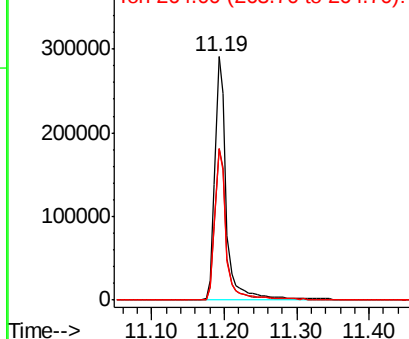


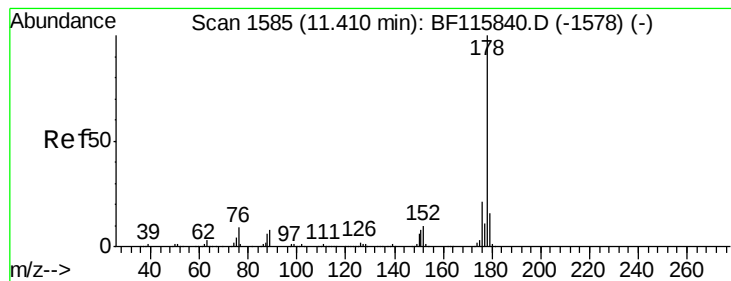
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 46.409 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

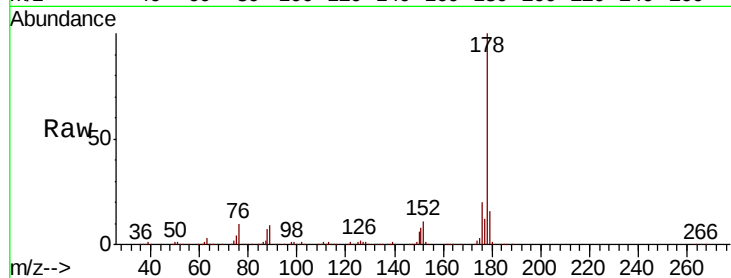
Tot Ion:178 Resp: 1298580

Ion Ratio Lower Upper

178 100

176 20.5 16.5 24.7

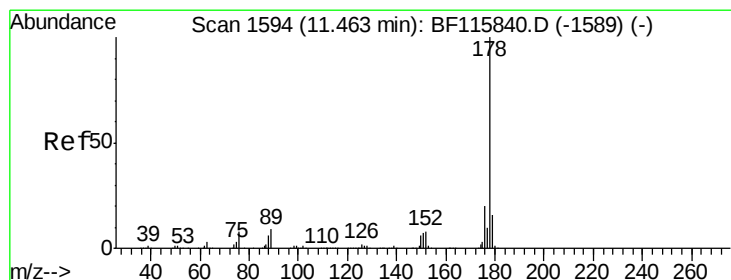
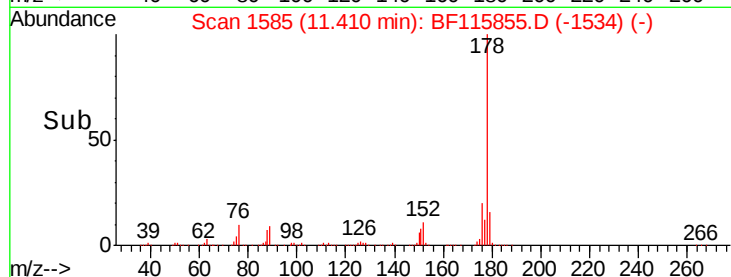
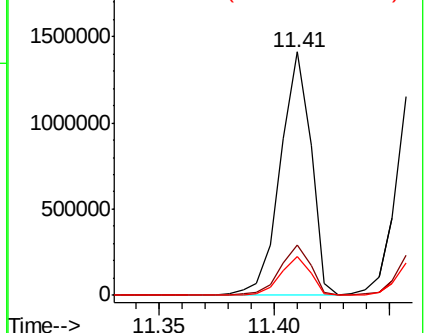
179 15.8 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 47.200 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

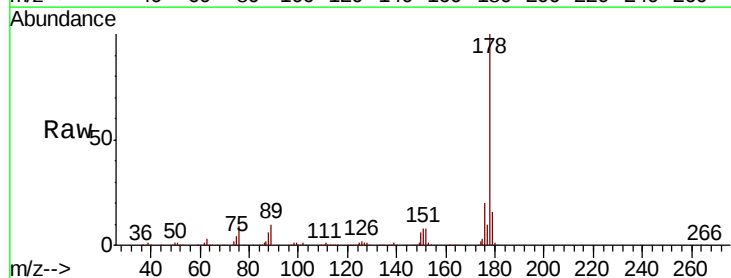
Tgt Ion:178 Resp: 1336602

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

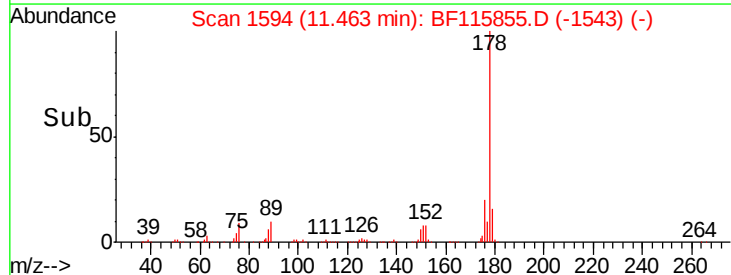
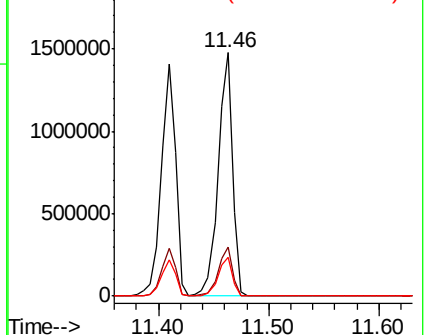
179 16.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

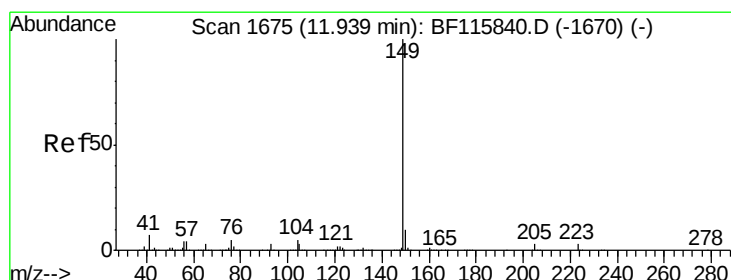
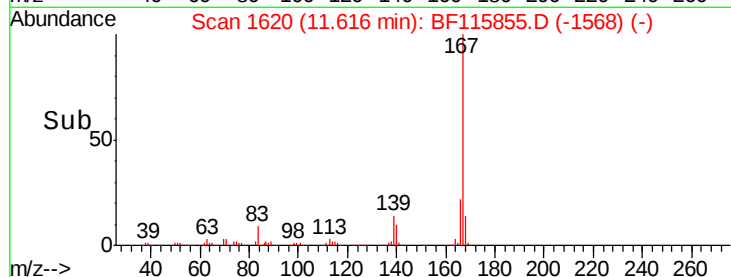
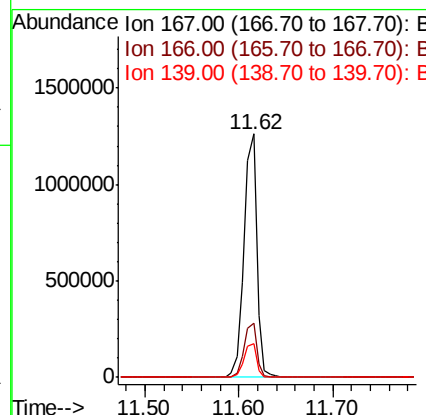
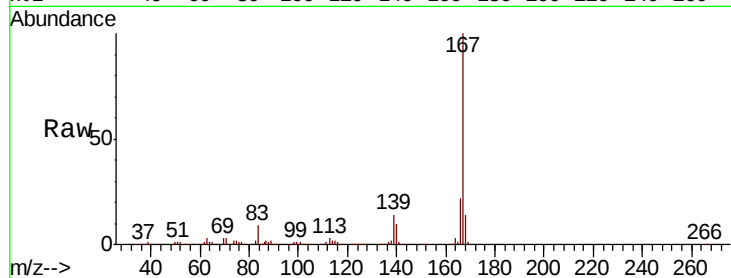




#73
 Carbazole
 Concen: 46.886 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

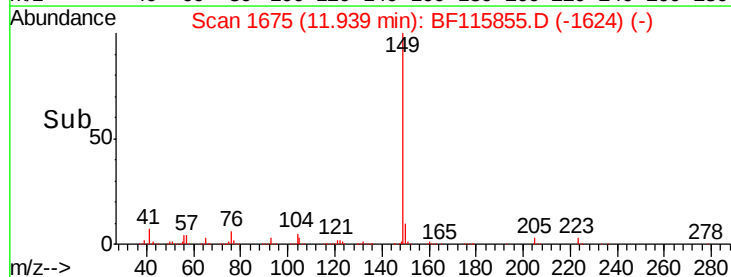
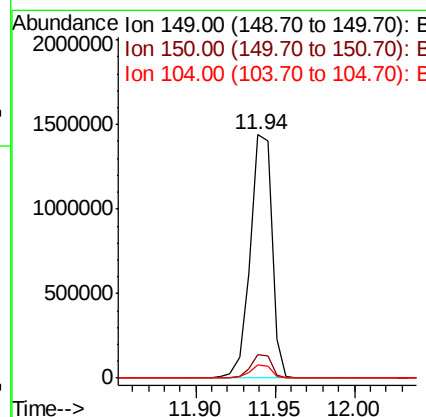
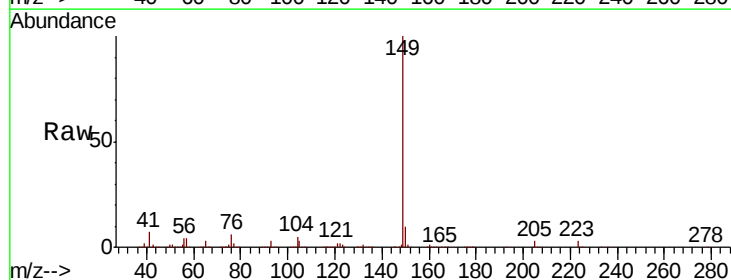
Instrument :
 BNA_F
 ClientSampleId :

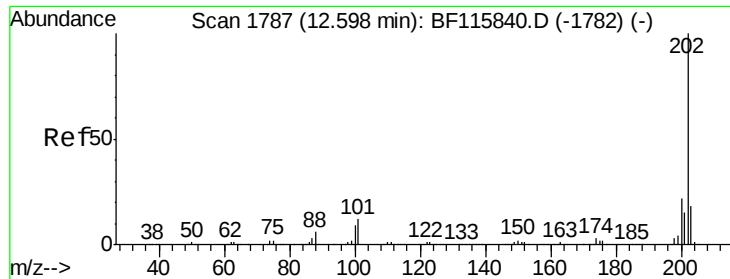
Tot Ion:167 Resp: 1204574
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.0 27.0
 139 13.7 11.4 17.2



#74
 Di-n-butylphthalate
 Concen: 45.571 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion:149 Resp: 1365775
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.7 11.5
 104 5.4 4.3 6.5

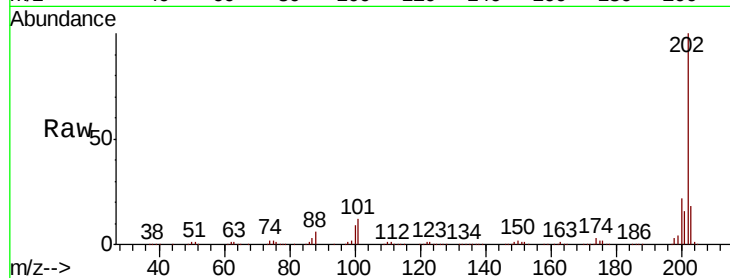




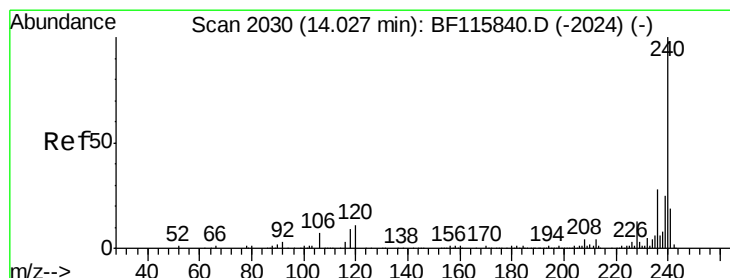
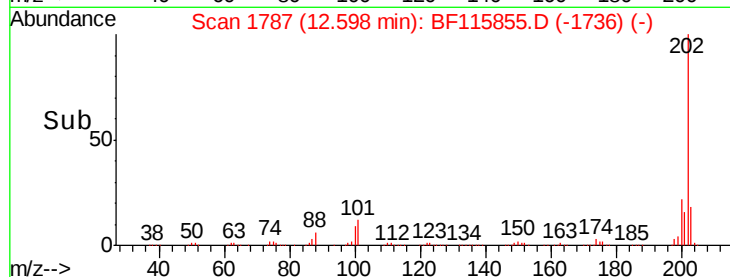
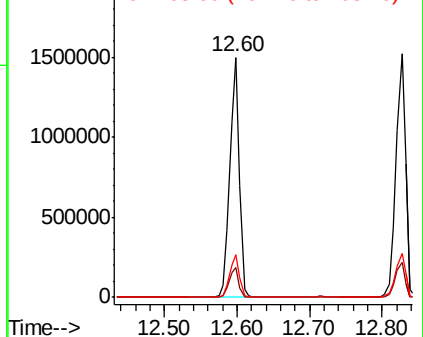
#75
 Fluoranthene
 Concen: 46.903 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 1373938
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.5
 203 18.0 0.0 37.9

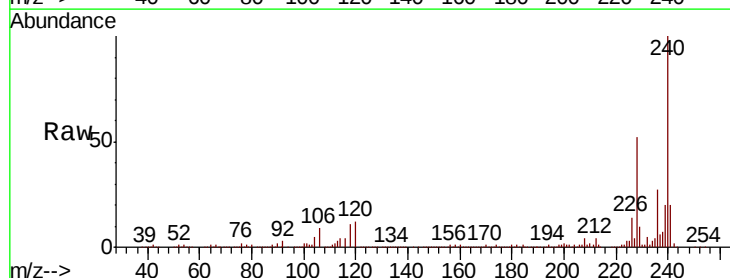


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

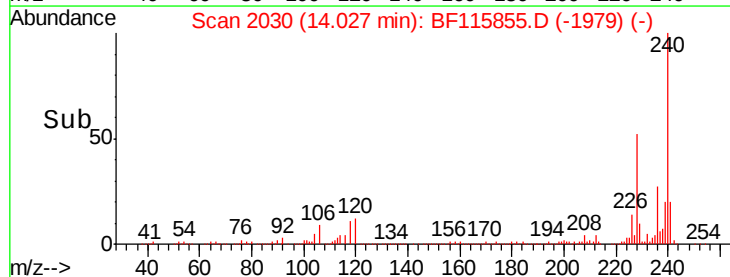
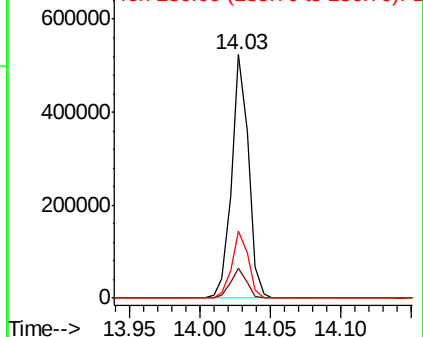


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115855.D
 Acq: 31 Jul 2019 9:43

Tgt Ion:240 Resp: 434976
 Ion Ratio Lower Upper
 240 100
 120 12.3 8.5 12.7
 236 27.5 22.2 33.2



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





#77

Benzidine

Concen: 55.621 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

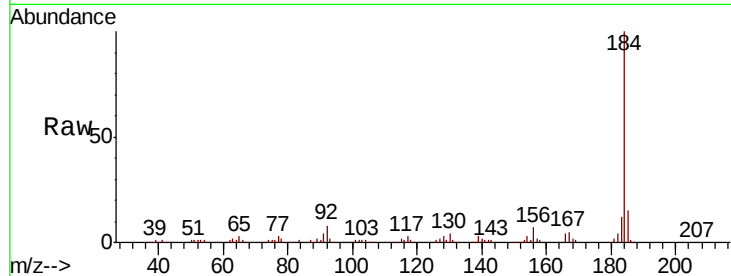
Tot Ion:184 Resp: 817368

Ion Ratio Lower Upper

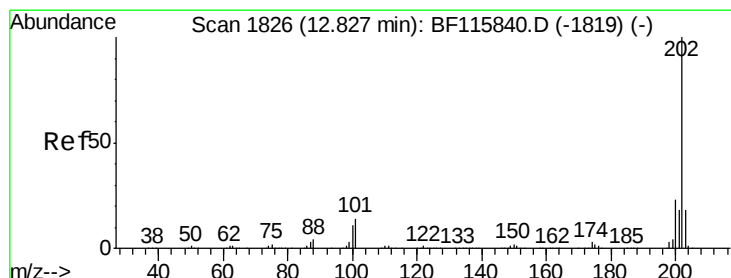
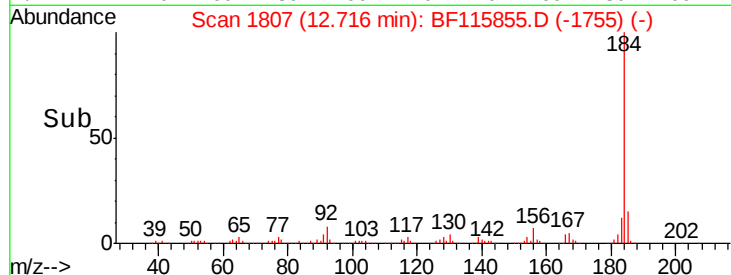
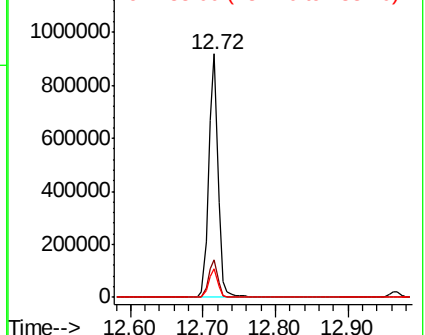
184 100

185 15.5 13.4 20.2

183 11.8 9.1 13.7



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: 43.235 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

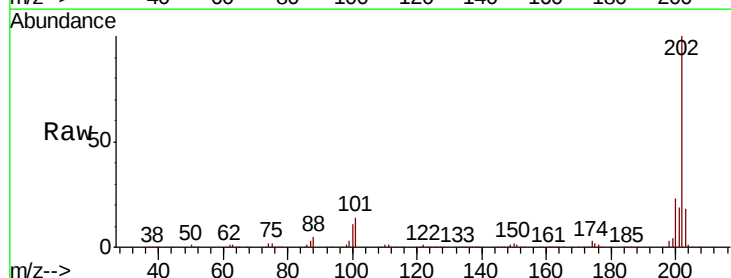
Tgt Ion:202 Resp: 1417636

Ion Ratio Lower Upper

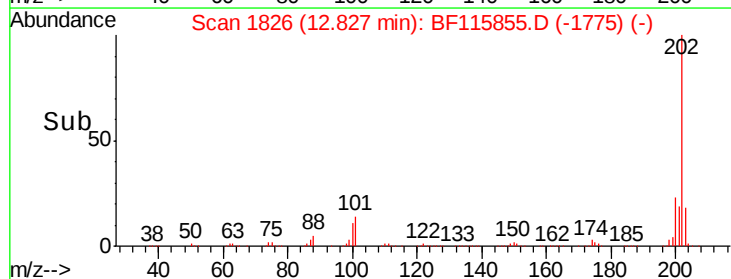
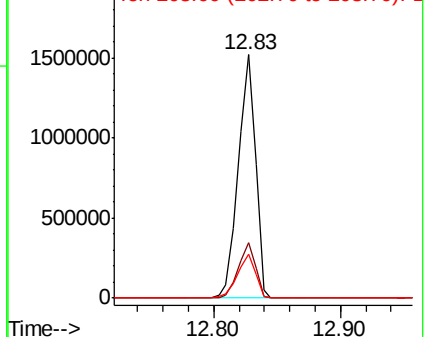
202 100

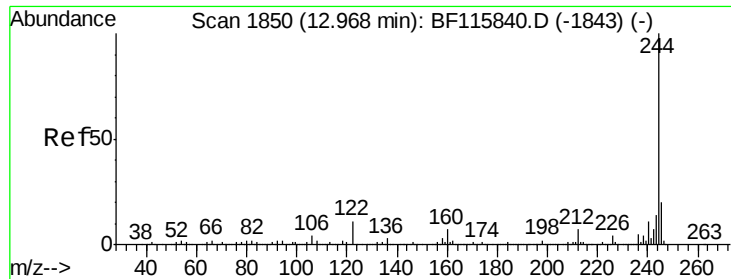
200 23.0 18.2 27.2

203 18.2 14.3 21.5



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: 80.490 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampled :

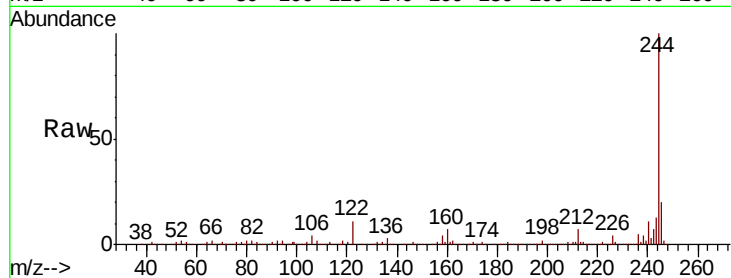
Tot Ion:244 Resp: 1661523

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

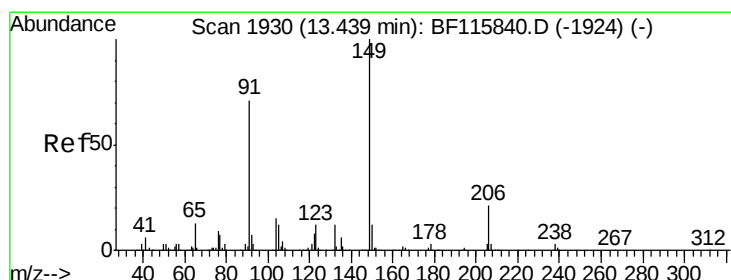
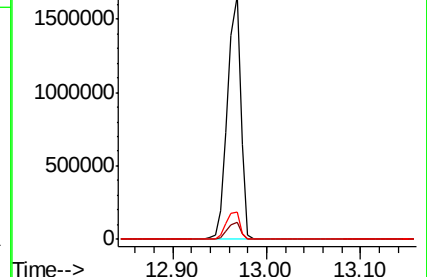
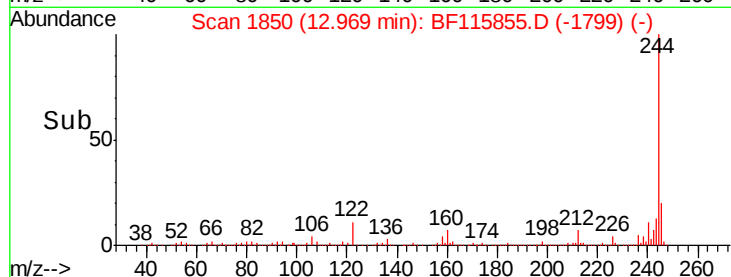
122 11.3 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.780 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

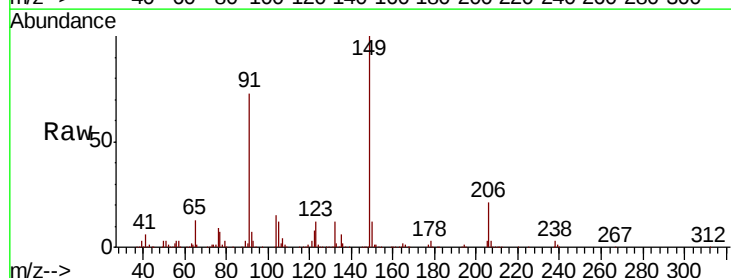
Tgt Ion:149 Resp: 607220

Ion Ratio Lower Upper

149 100

91 72.6 57.0 85.6

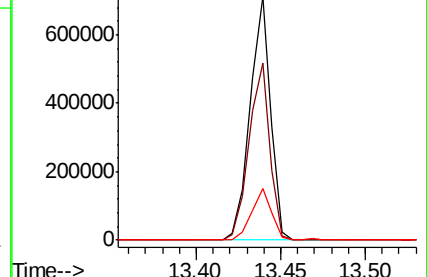
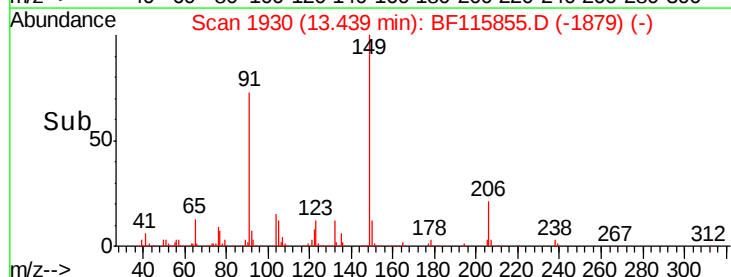
206 21.3 16.9 25.3

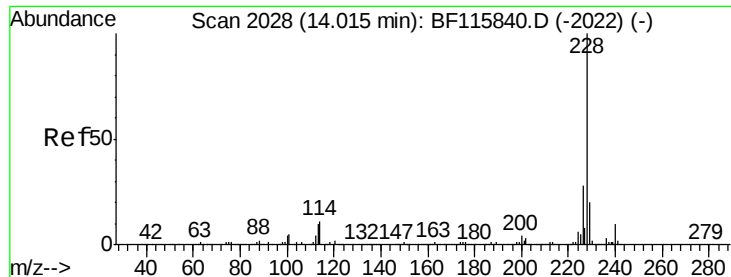


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.942 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

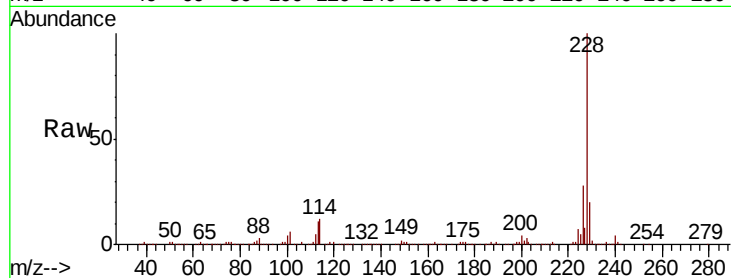
Tot Ion:228 Resp: 1249476

Ion Ratio Lower Upper

228 100

226 28.3 22.5 33.7

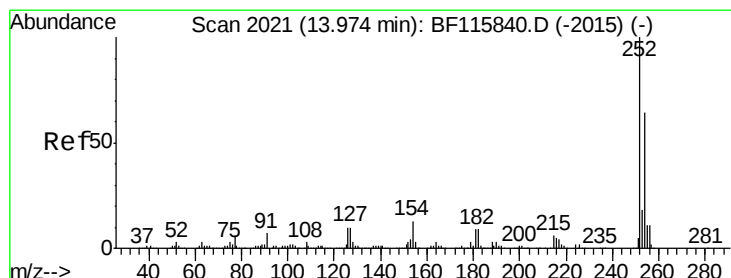
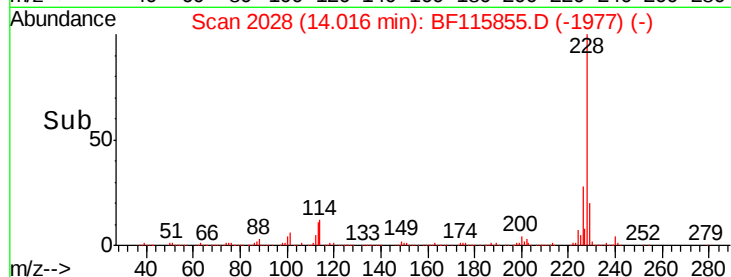
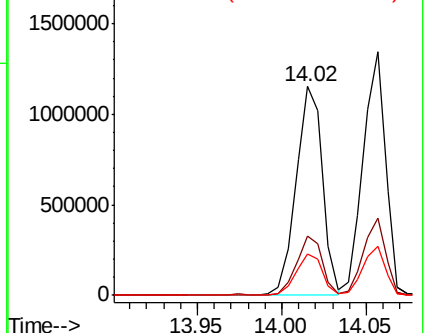
229 20.1 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 32.194 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

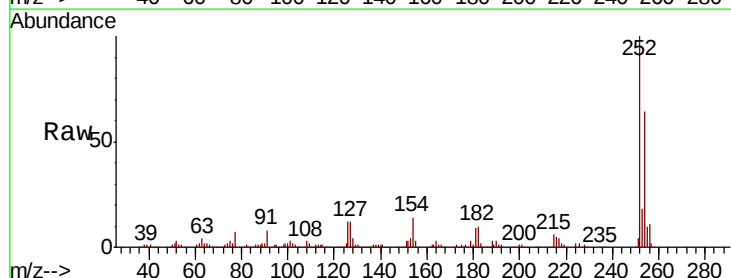
Tgt Ion:252 Resp: 310963

Ion Ratio Lower Upper

252 100

254 64.1 51.2 76.8

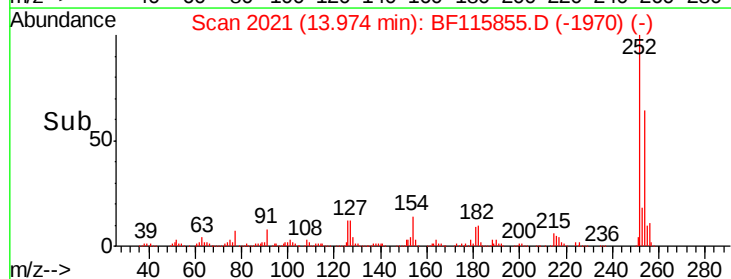
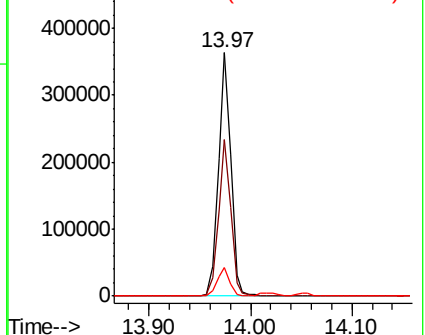
126 11.8 8.1 12.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 46.048 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

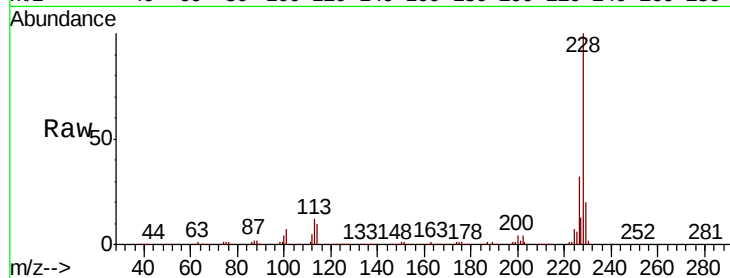
Tot Ion:228 Resp: 1242892

Ion Ratio Lower Upper

228 100

226 31.8 24.8 37.2

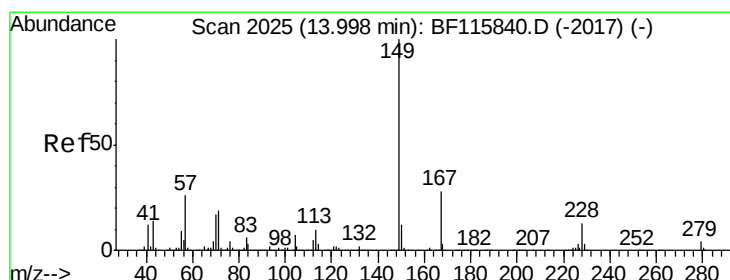
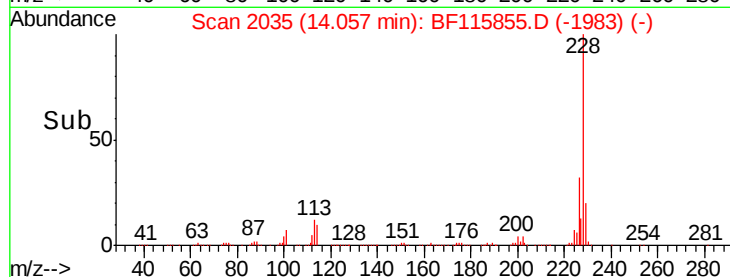
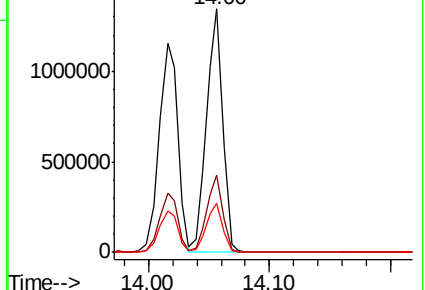
229 20.2 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.318 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

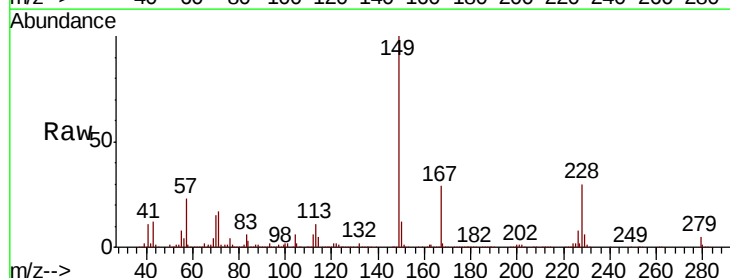
Tgt Ion:149 Resp: 798787

Ion Ratio Lower Upper

149 100

167 28.9 22.4 33.6

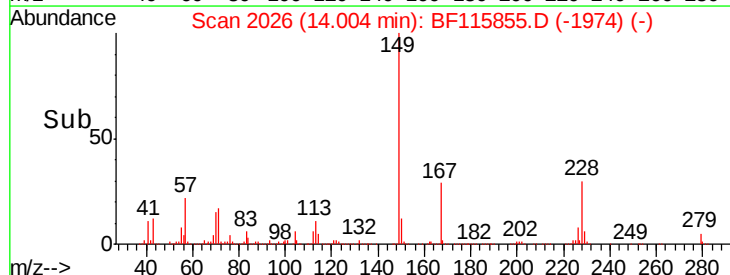
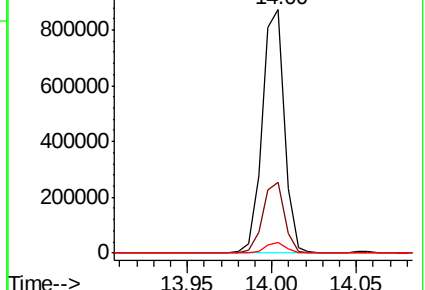
279 4.5 3.3 4.9

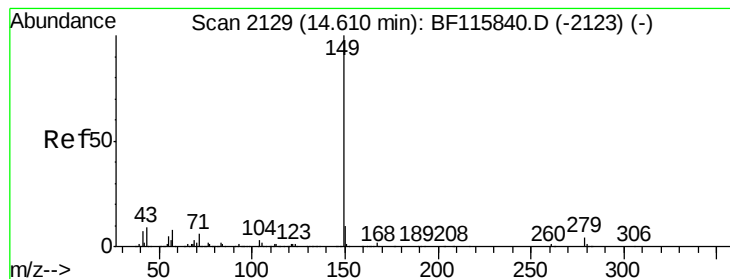


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.493 ng

RT: 14.62 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

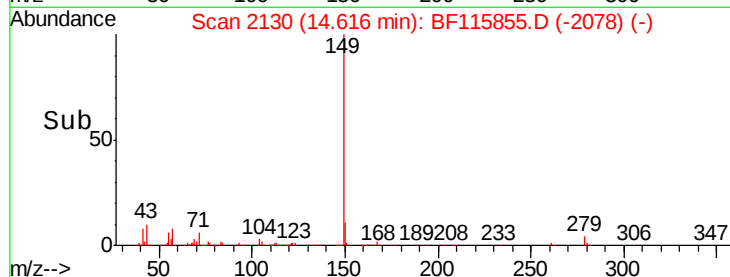
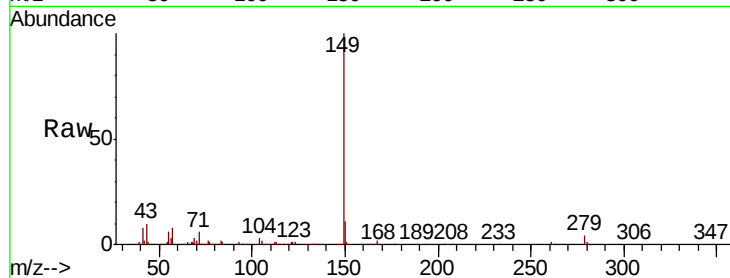
Tot Ion:149 Resp: 1359657

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

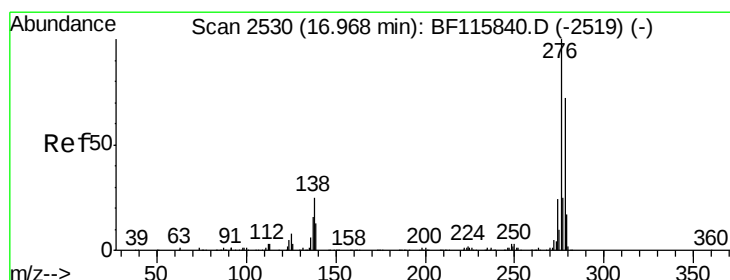
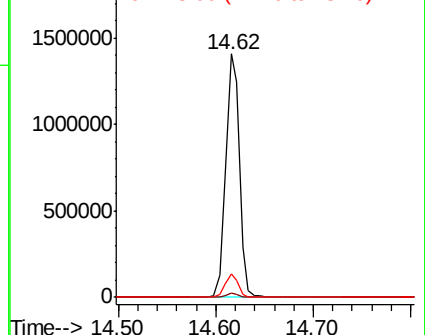
43 9.2 7.4 11.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 52.593 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

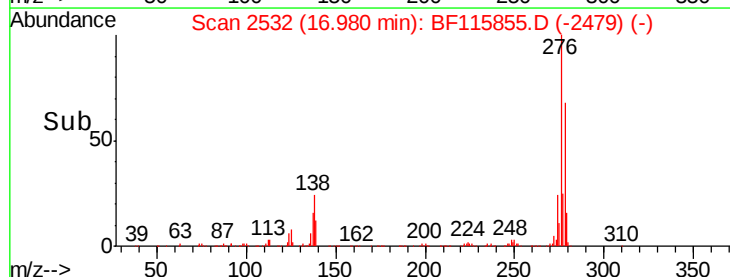
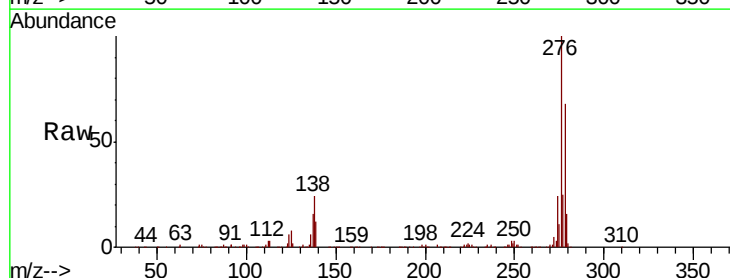
Tgt Ion:276 Resp: 1192284

Ion Ratio Lower Upper

276 100

138 24.9 19.6 29.4

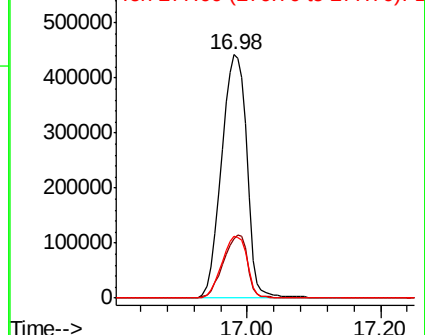
277 25.5 20.1 30.1

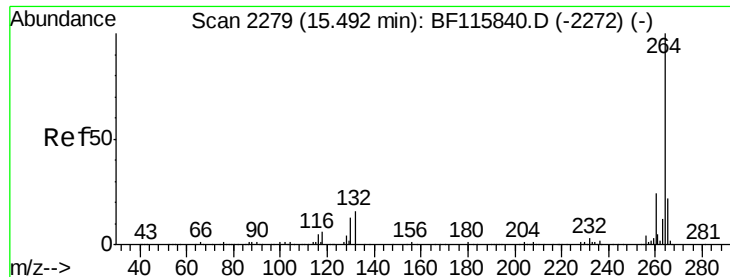


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



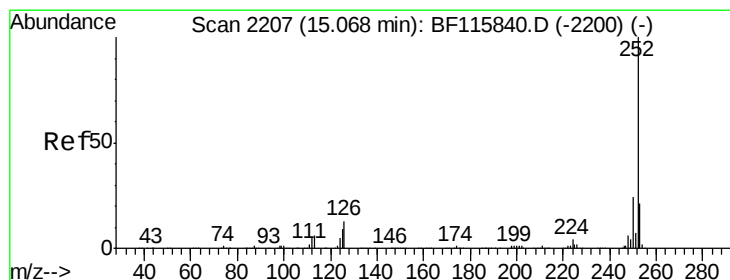
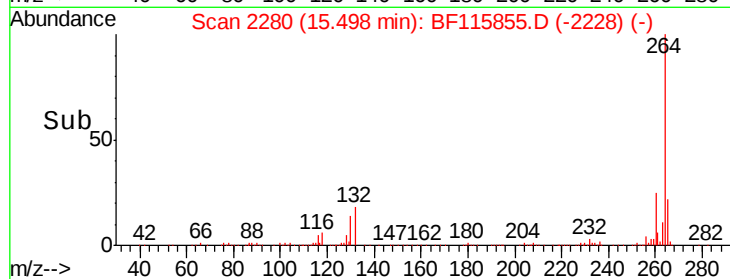
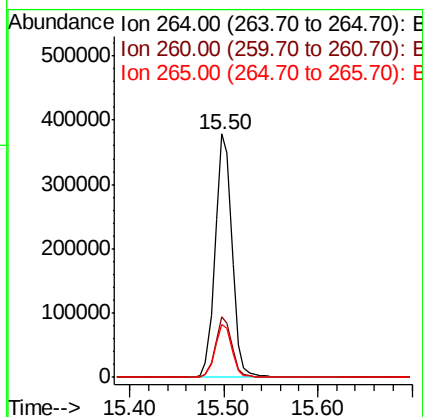
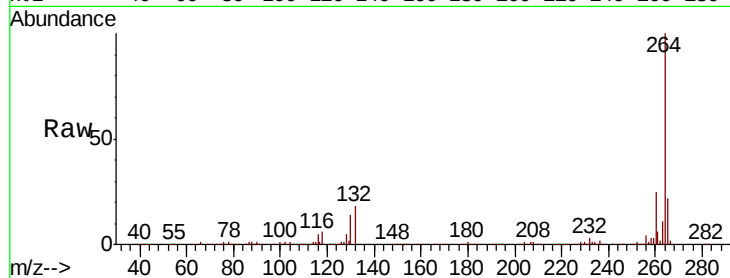


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 480203

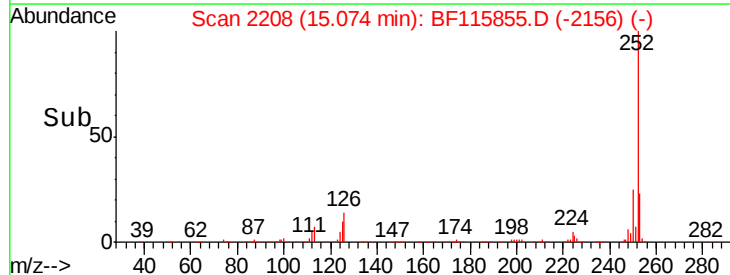
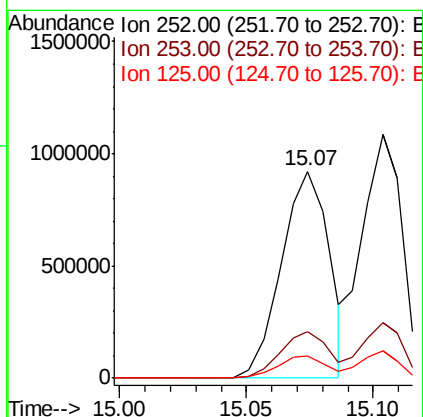
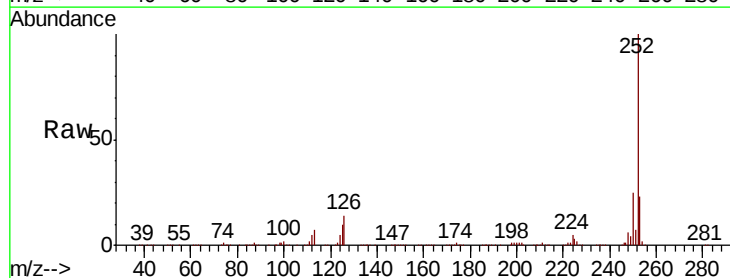
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.8	17.5	26.3

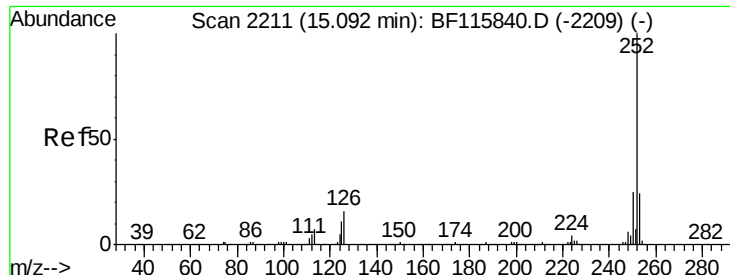


#88
Benzo(b)fluoranthene
Concen: 43.605 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:252 Resp: 1210740

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	10.4	7.4	11.0

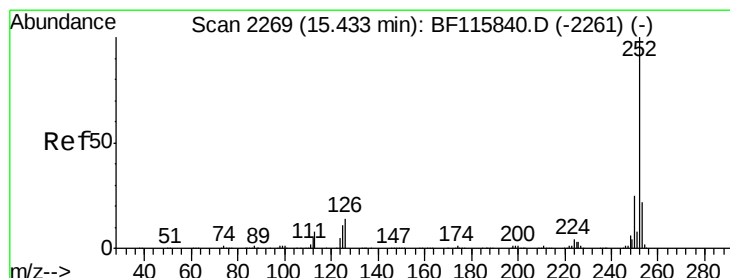
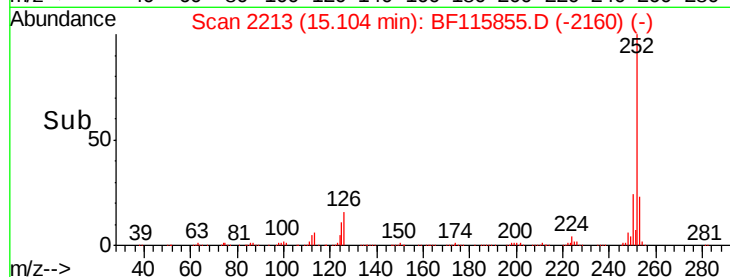
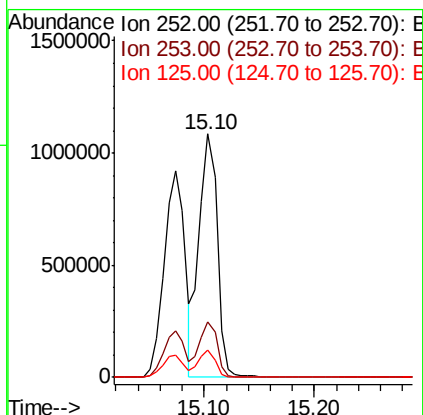
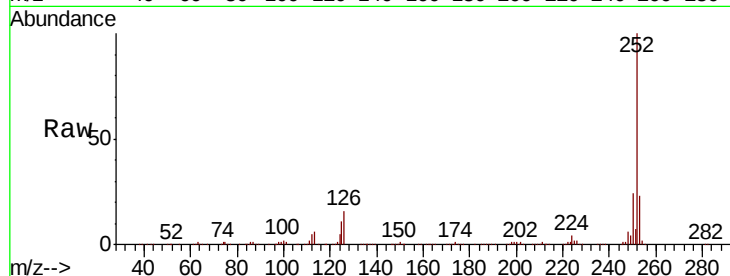




#89
Benzo(k)fluoranthene
Concen: 44.901 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

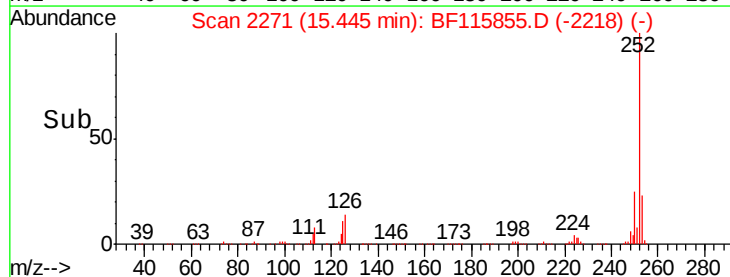
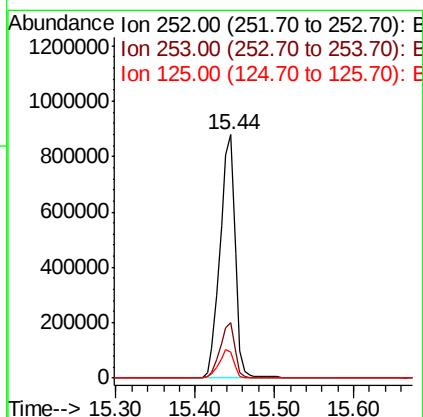
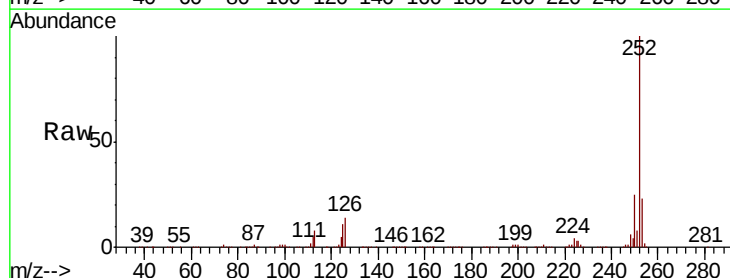
Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1214304
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 11.0 8.9 13.3



#90
Benzo(a)pyrene
Concen: 46.943 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115855.D
Acq: 31 Jul 2019 9:43

Tgt Ion:252 Resp: 1165163
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.6 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 46.523 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.02 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

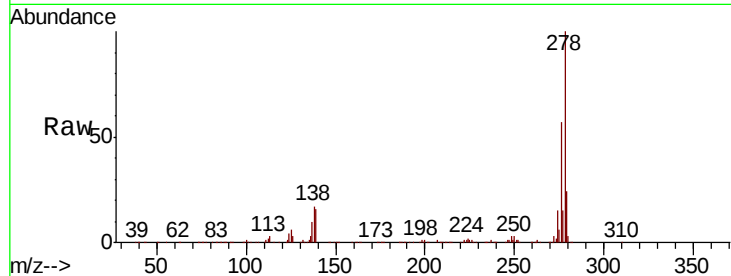
Tot Ion:278 Resp: 999532

Ion Ratio Lower Upper

278 100

139 15.6 12.6 19.0

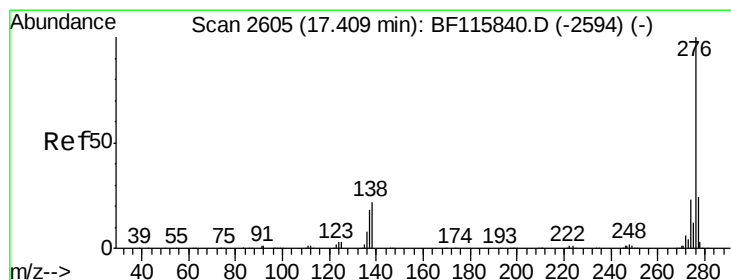
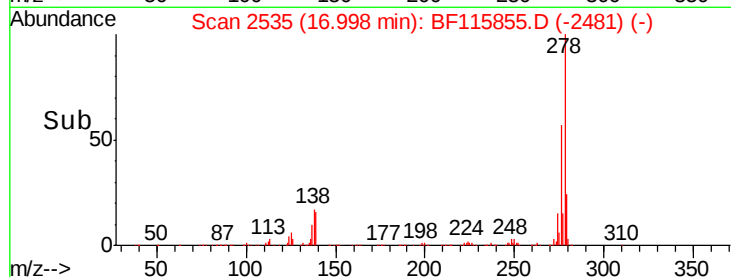
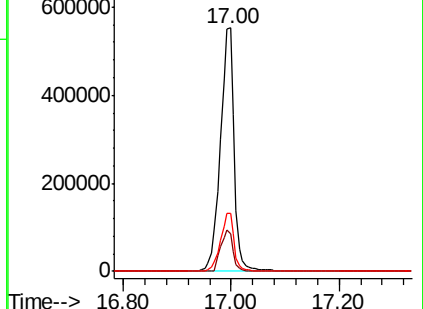
279 24.0 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 45.892 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF115855.D

Acq: 31 Jul 2019 9:43

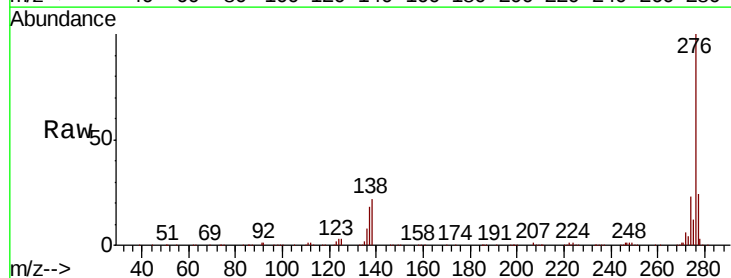
Tgt Ion:276 Resp: 968334

Ion Ratio Lower Upper

276 100

277 24.1 19.5 29.3

138 22.1 17.8 26.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

