

Data File : BF118577.D
Acq On : 18 Jan 2020 00:09
Operator : JU
Sample : PB126175BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB126175BSD

Quant Time: Jan 18 01:11:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 17 15:49:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	341831	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1218265	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	662656	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1209705	20.00	ng	0.00
76) Chrysene-d12	14.05	240	1008002	20.00	ng	0.00
87) Perylene-d12	15.52	264	1070232	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	959810	51.88	ng	0.00
7) Phenol-d6	6.50	99	747011	30.82	ng	-0.01
23) Nitrobenzene-d5	7.45	82	2270706	115.12	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	853441	116.50	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	4047840	110.28	ng	0.00
79) Terphenyl-d14	13.00	244	4805883	94.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	163134	18.352	ng	98
3) Pyridine	3.45	79	290965	11.852	ng	98
4) n-Nitrosodimethylamine	3.36	42	214896	19.085	ng	# 96
6) Aniline	6.55	93	923676	29.112	ng	99
8) 2-Chlorophenol	6.67	128	982632	46.702	ng	95
9) Benzaldehyde	6.43	77	730947	58.904	ng	99
10) Phenol	6.52	94	382143	14.369	ng	99
11) bis(2-Chloroethyl)ether	6.62	93	1057425	49.641	ng	99
12) 1,3-Dichlorobenzene	6.83	146	1143989	45.722	ng	98
13) 1,4-Dichlorobenzene	6.91	146	1165347	46.362	ng	98
14) 1,2-Dichlorobenzene	7.06	146	1107911	47.110	ng	98
15) Benzyl Alcohol	7.02	79	617987	31.064	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1422206	45.512	ng	99
17) 2-Methylphenol	7.13	107	643927	36.055	ng	99
18) Hexachloroethane	7.41	117	410444	44.808	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	848766	48.826	ng	98
20) 3+4-Methylphenols	7.29	107	716974	33.571	ng	92
22) Acetophenone	7.30	105	1531676	51.810	ng	# 93
24) Nitrobenzene	7.47	77	1179292	56.219	ng	99
25) Isophorone	7.71	82	2163519	50.537	ng	99
26) 2-Nitrophenol	7.79	139	503211	54.532	ng	95
27) 2,4-Dimethylphenol	7.82	122	905696	53.195	ng	99
28) bis(2-Chloroethoxy)methane	7.92	93	1322013	48.063	ng	99
29) 2,4-Dichlorophenol	8.02	162	940704	50.195	ng	98
30) 1,2,4-Trichlorobenzene	8.12	180	1031869	47.246	ng	99
31) Naphthalene	8.19	128	2942893	51.223	ng	99
32) Benzoic acid	7.87	122	81548	13.701	ng	99
33) 4-Chloroaniline	8.23	127	1072246	40.167	ng	99
34) Hexachlorobutadiene	8.32	225	601566	44.159	ng	99
35) Caprolactam	8.59	113	34653	5.944	ng	94
36) 4-Chloro-3-methylphenol	8.71	107	878636	47.294	ng	95
37) 2-Methylnaphthalene	8.89	142	2102994	51.667	ng	99
38) 1-Methylnaphthalene	8.99	142	2002124	51.993	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	1058441	49.521	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	1244925	111.480	ng	97
43) 2,4,6-Trichlorophenol	9.16	196	728896	53.525	ng	98
44) 2,4,5-Trichlorophenol	9.19	196	776477	56.398	ng	99
46) 1,1'-Biphenyl	9.35	154	2519853	53.218	ng	99
47) 2-Chloronaphthalene	9.37	162	2042460	51.178	ng	98
48) 2-Nitroaniline	9.46	65	610225	58.789	ng	94
49) Acenaphthylene	9.79	152	3073178	54.538	ng	100
50) Dimethylphthalate	9.65	163	2339492	51.420	ng	99
51) 2,6-Dinitrotoluene	9.70	165	537791	61.951	ng	95
52) Acenaphthene	9.96	154	1981510	53.679	ng	99
53) 3-Nitroaniline	9.87	138	475766	48.380	ng	# 98
54) 2,4-Dinitrophenol	9.97	184	195592	56.415	ng	# 8
55) Dibenzofuran	10.13	168	2812443	53.838	ng	96
56) 4-Nitrophenol	10.02	139	304954	41.979	ng	97
57) 2,4-Dinitrotoluene	10.10	165	685280	58.643	ng	98
58) Fluorene	10.47	166	2227566	55.066	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.25	232	667707	56.689	ng	98
60) Diethylphthalate	10.35	149	2314828	52.115	ng	99
61) 4-Chlorophenyl-phenylether	10.47	204	1183116	53.460	ng	98
62) 4-Nitroaniline	10.48	138	525917	53.846	ng	95
63) Azobenzene	10.63	77	2315732	53.492	ng	96
65) 4,6-Dinitro-2-methylphenol	10.51	198	198328	41.847	ng	78
66) n-Nitrosodiphenylamine	10.59	169	2030267	52.232	ng	100
67) 4-Bromophenyl-phenylether	10.96	248	798910	49.336	ng	95
68) Hexachlorobenzene	11.03	284	878148	48.936	ng	97
69) Atrazine	11.11	200	734847	65.512	ng	98
70) Pentachlorophenol	11.22	266	943118	106.941	ng	98
71) Phenanthrene	11.44	178	3230530	53.129	ng	99
72) Anthracene	11.49	178	3326247	54.828	ng	99
73) Carbazole	11.64	167	2977855	54.426	ng	100
74) Di-n-butylphthalate	11.97	149	3377315	49.671	ng	100
75) Fluoranthene	12.62	202	3499049	53.510	ng	98
77) Benzidine	12.73	184	768690	31.387	ng	100
78) Pyrene	12.85	202	3564081	47.374	ng	100
80) Butylbenzylphthalate	13.47	149	1500023	46.513	ng	95
81) Benzo(a)anthracene	14.04	228	3257017	51.191	ng	98
82) 3,3'-Dichlorobenzidine	14.00	252	1301014	58.282	ng	99
83) Chrysene	14.08	228	3143027	51.356	ng	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	2034589	50.829	ng	99
85) Di-n-octyl phthalate	14.64	149	3353222	54.704	ng	98
86) Indeno(1,2,3-cd)pyrene	17.01	276	3968547	65.896	ng	100
88) Benzo(b)fluoranthene	15.09	252	3243649	46.534	ng	99
89) Benzo(k)fluoranthene	15.12	252	3272108	51.941	ng	98
90) Benzo(a)pyrene	15.46	252	2995386	49.386	ng	99
91) Dibenzo(a,h)anthracene	17.03	278	3270370	57.731	ng	99
92) Benzo(g,h,i)perylene	17.46	276	3294759	60.213	ng	98

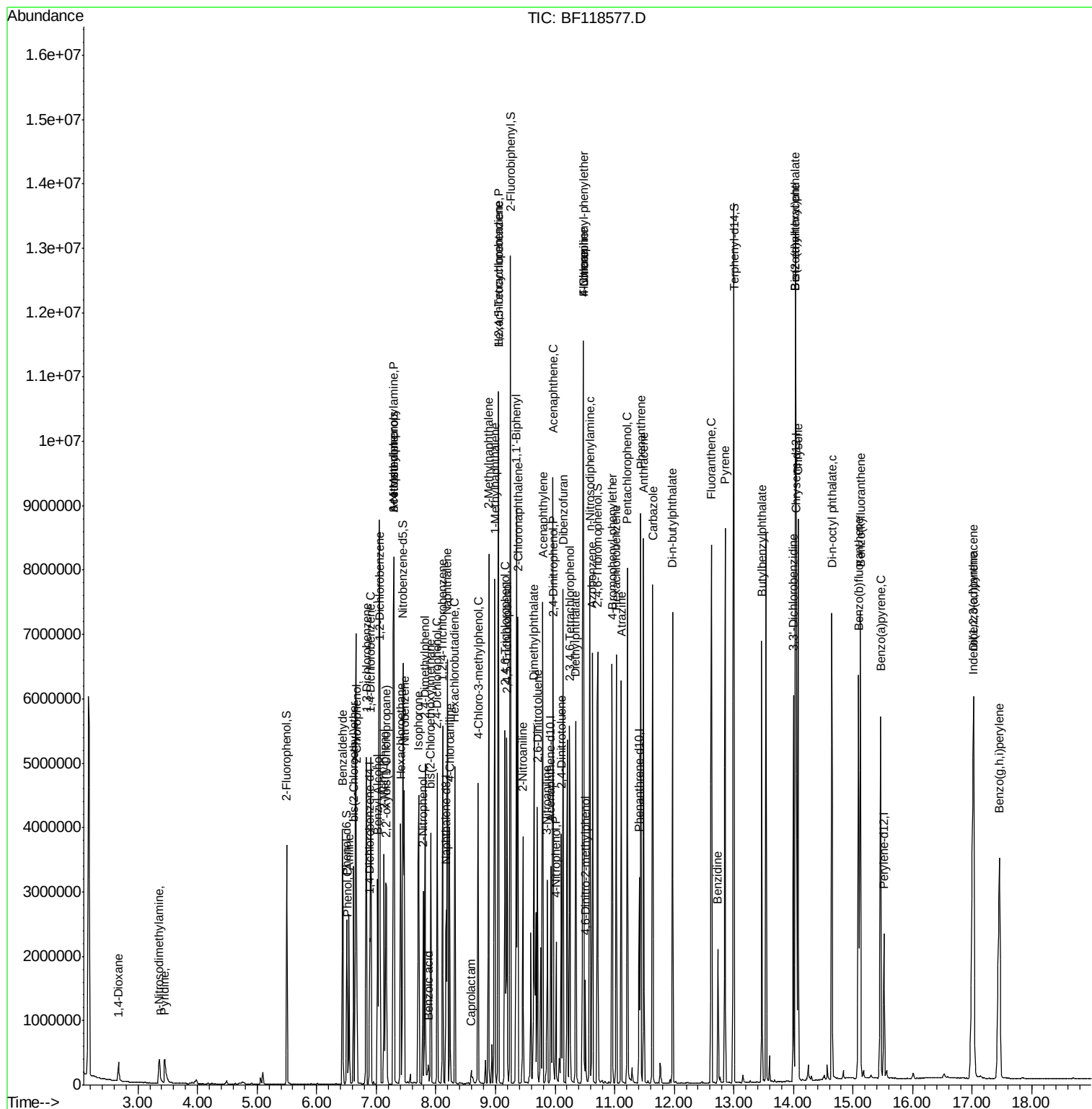
(#) = qualifier out of range (m) = manual integration (+) = signals summed

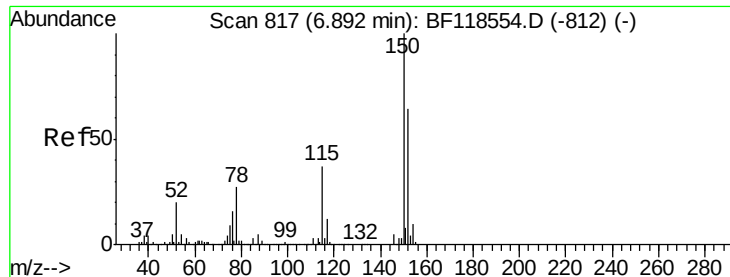
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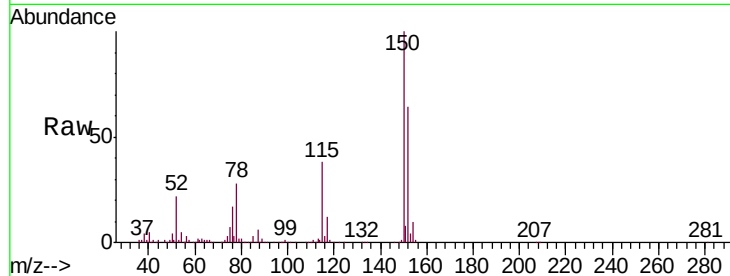


#1

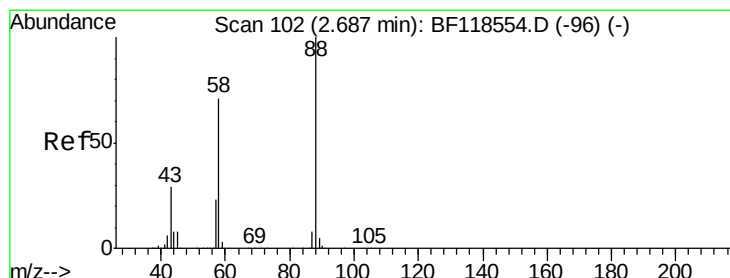
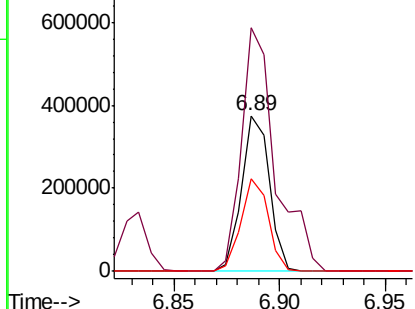
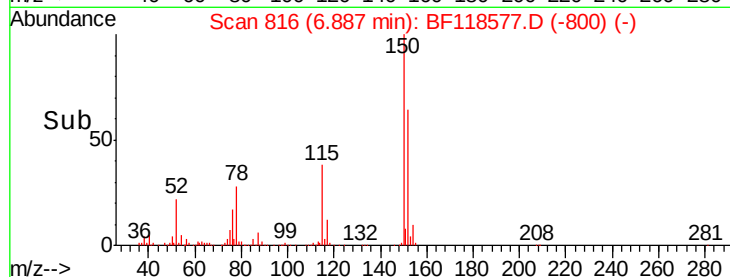
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118577.D
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.9	187.3
115	59.5	45.8	68.6



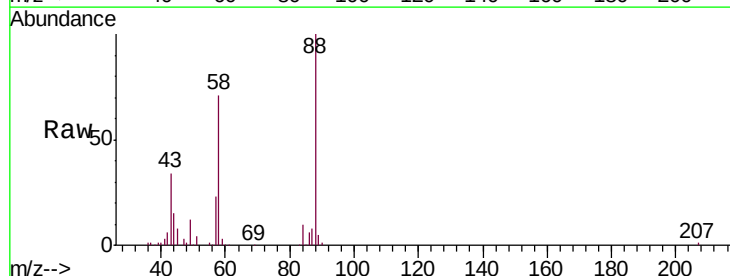
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



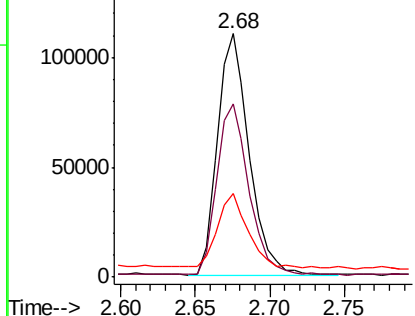
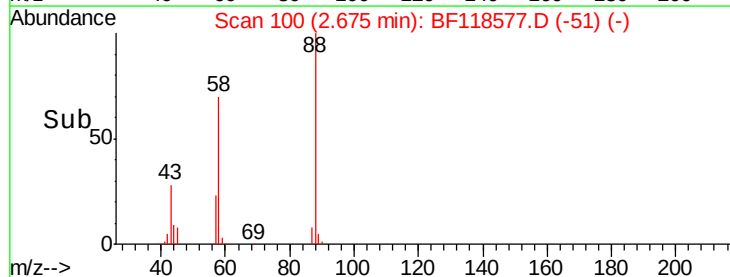
#2

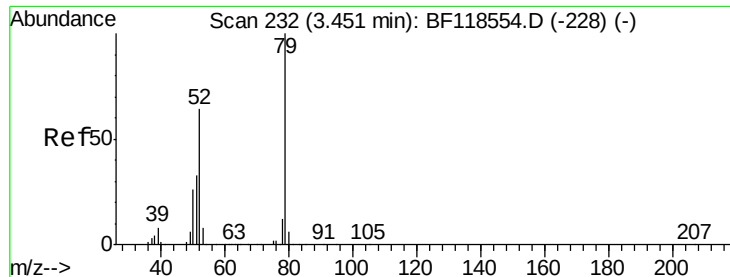
1,4-Dioxane
Concen: 18.352 ng
RT: 2.68 min Scan# 100
Delta R.T. -0.01 min
Lab File: BF118577.D
Acq: 18 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.4	56.7	85.1
43	31.3	23.3	34.9



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

Pyridine

Concen: 11.852 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.00 min

Lab File: BF118577.D

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Instrument :

BNA_F

ClientSampleId :

PB126175BSD

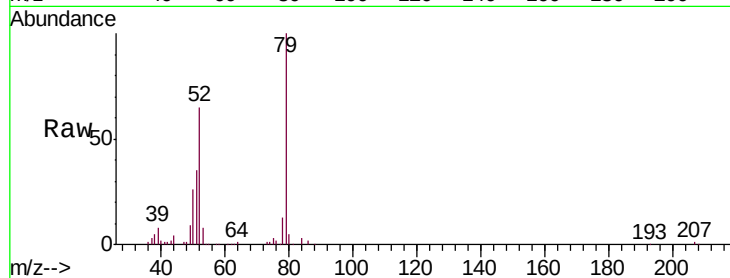
Tgt Ion: 79 Resp: 290965

Ion Ratio Lower Upper

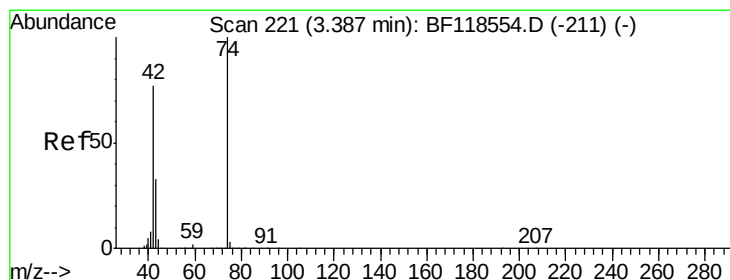
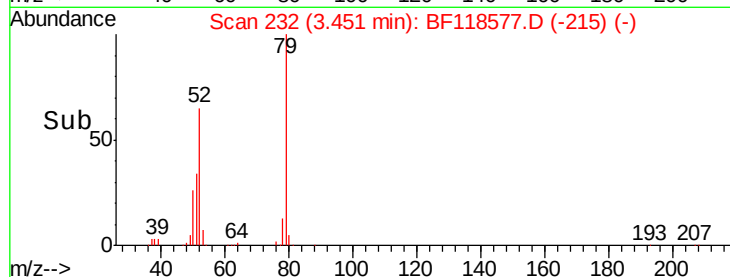
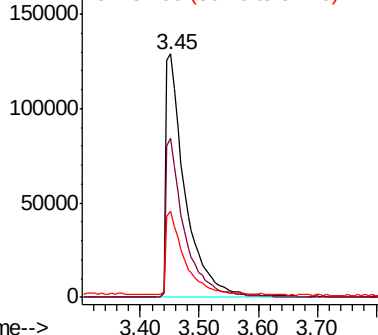
79 100

52 65.5 51.3 76.9

51 35.3 26.7 40.1



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



#4

n-Nitrosodimethylamine

Concen: 19.085 ng

RT: 3.36 min Scan# 216

Delta R.T. -0.03 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

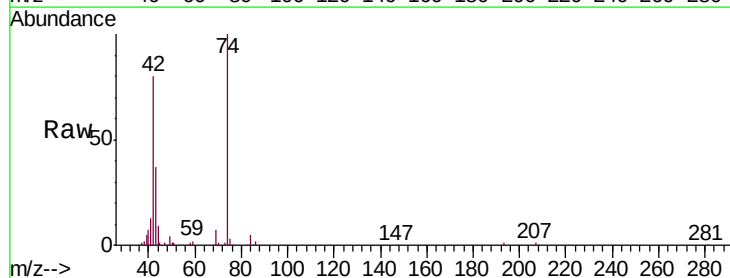
Tgt Ion: 42 Resp: 214896

Ion Ratio Lower Upper

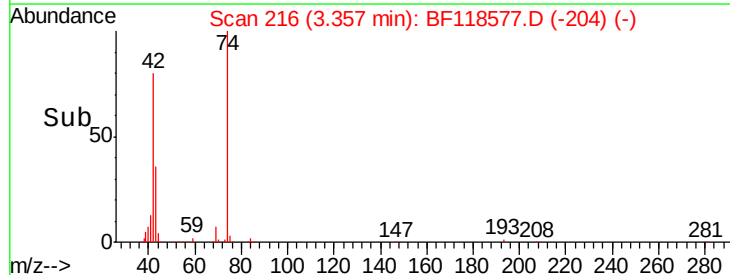
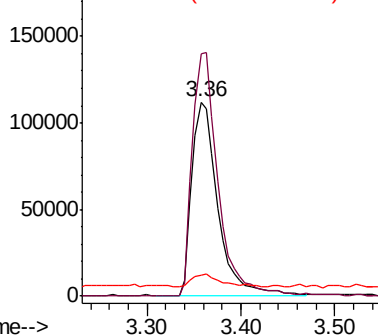
42 100

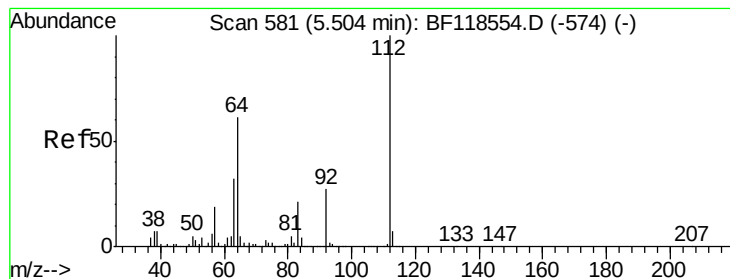
74 124.9 103.1 154.7

44 11.0 5.4 8.2#



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





#5

2-Fluorophenol

Concen: 51.881 ng

RT: 5.50 min Scan# 580

Delta R.T. -0.01 min

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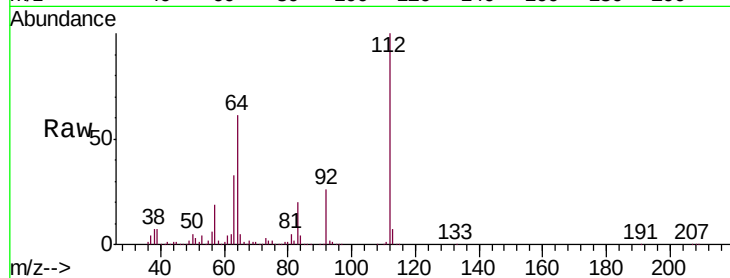
Tgt Ion:112 Resp: 959810

Ion Ratio Lower Upper

112 100

64 61.2 49.1 73.7

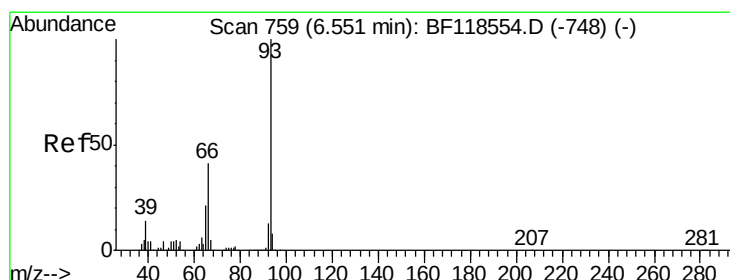
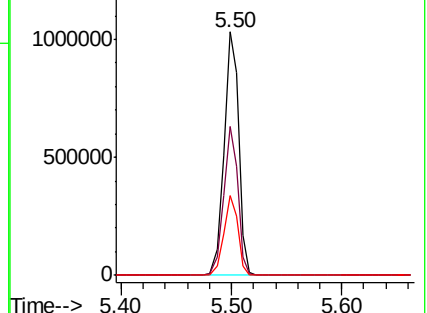
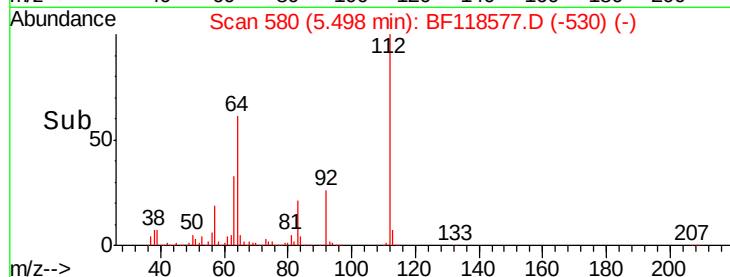
63 32.9 25.8 38.8



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: 29.112 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

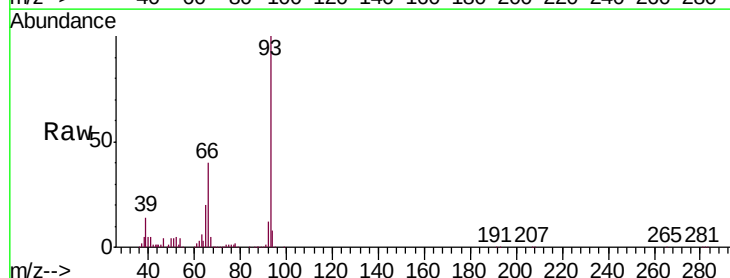
Tgt Ion: 93 Resp: 923676

Ion Ratio Lower Upper

93 100

66 40.2 32.9 49.3

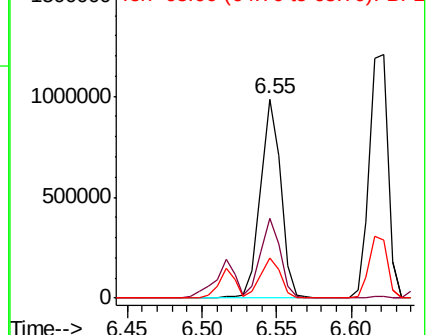
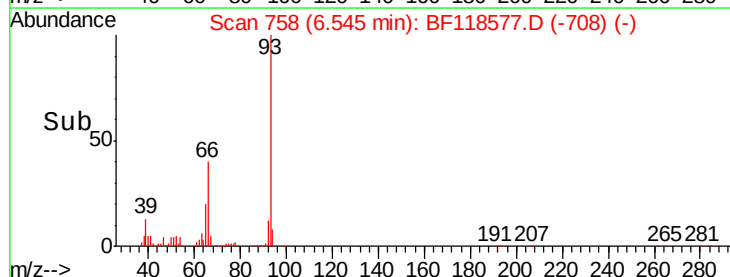
65 20.4 16.5 24.7

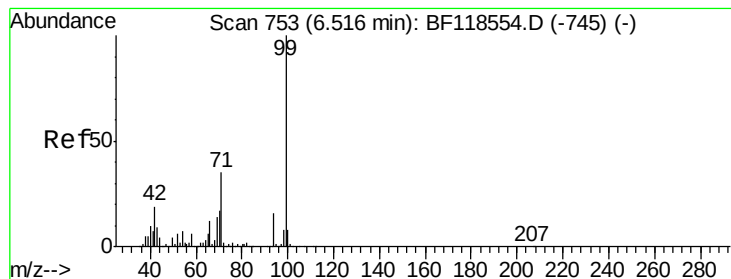


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 30.816 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

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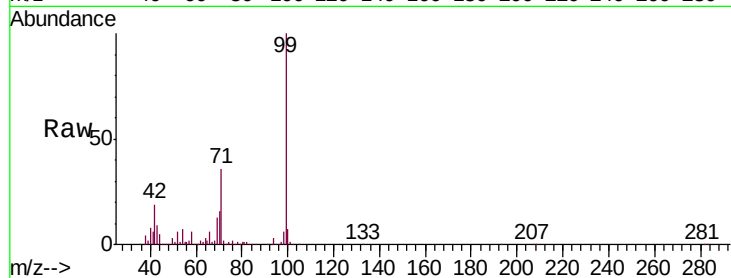
Tgt Ion: 99 Resp: 747011

Ion Ratio Lower Upper

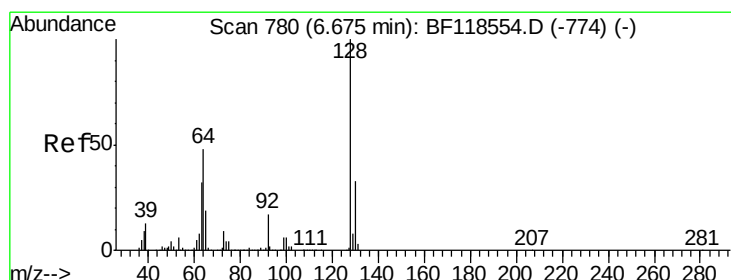
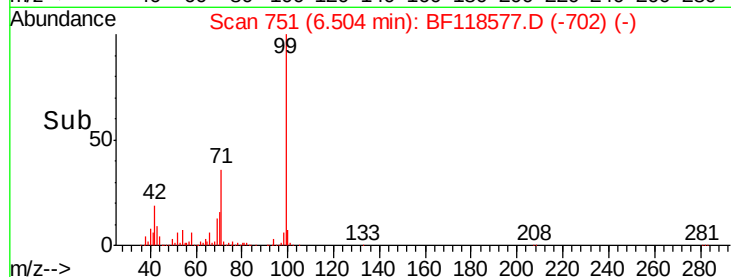
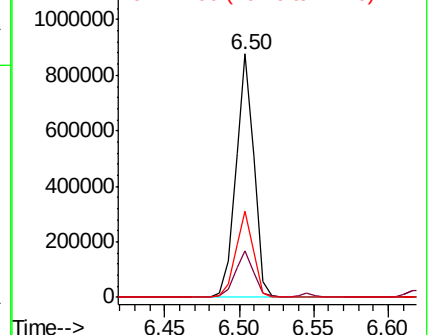
99 100

42 19.3 14.9 22.3

71 35.6 28.3 42.5



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: 46.702 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

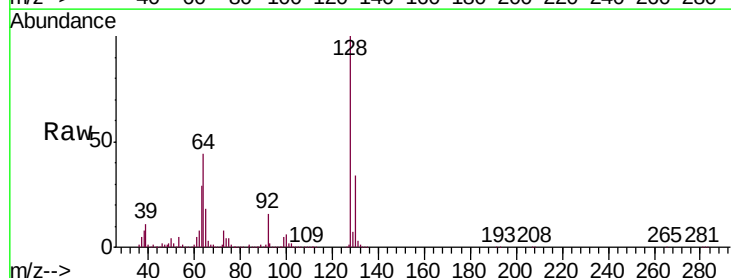
Tgt Ion: 128 Resp: 982632

Ion Ratio Lower Upper

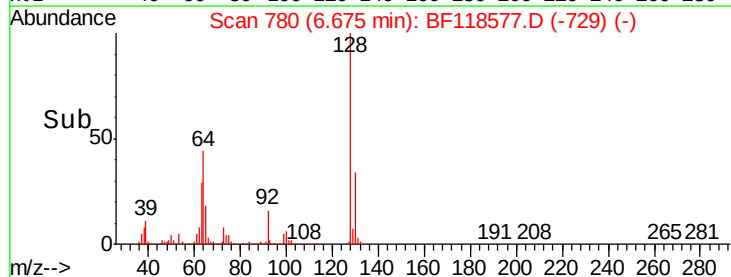
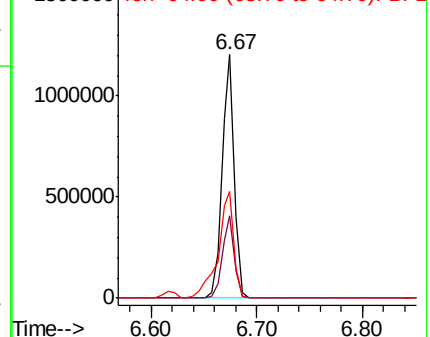
128 100

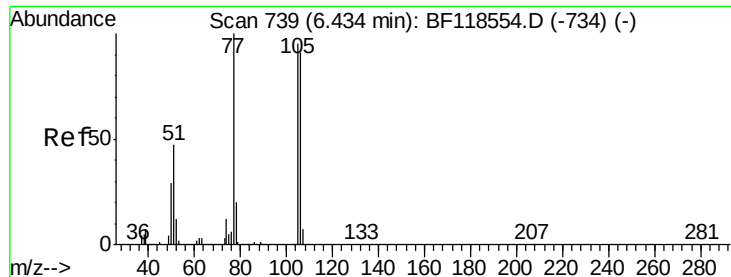
130 33.8 13.2 53.2

64 43.7 28.9 68.9



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: 58.904 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

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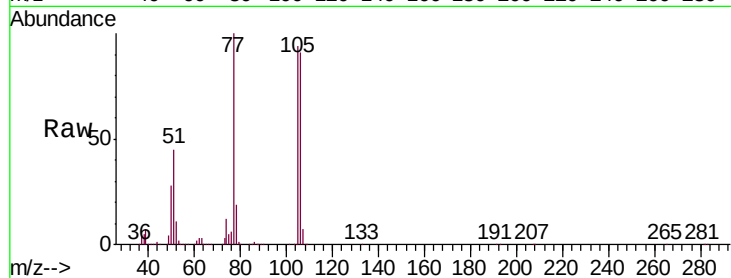
Tgt Ion: 77 Resp: 730947

Ion Ratio Lower Upper

77 100

105 94.1 75.2 115.2

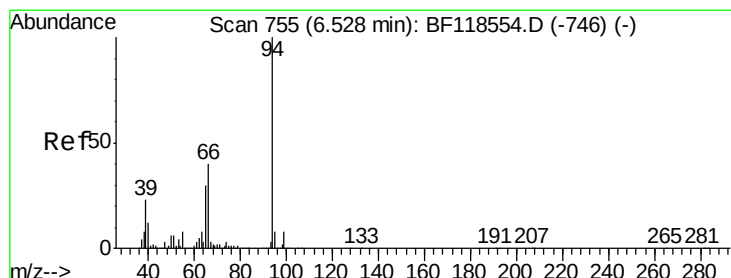
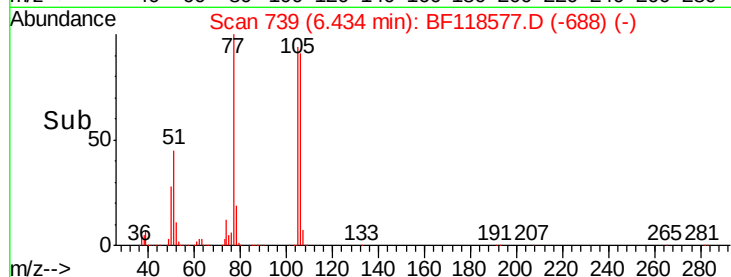
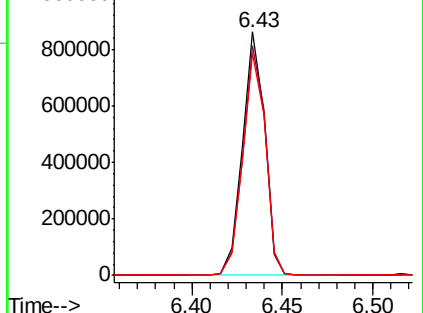
106 90.9 71.4 111.4



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 14.369 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

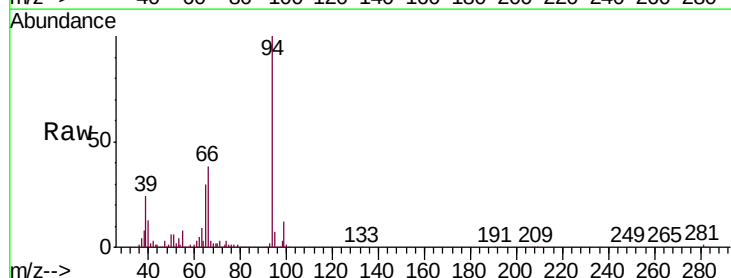
Tgt Ion: 94 Resp: 382143

Ion Ratio Lower Upper

94 100

65 29.9 9.8 49.8

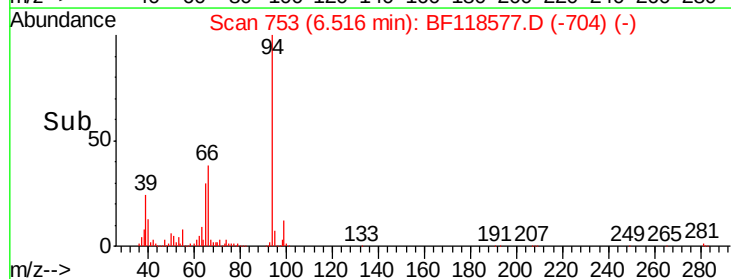
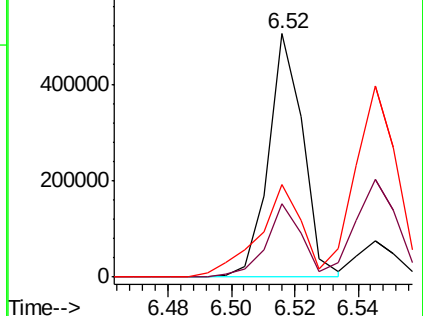
66 38.1 19.5 59.5

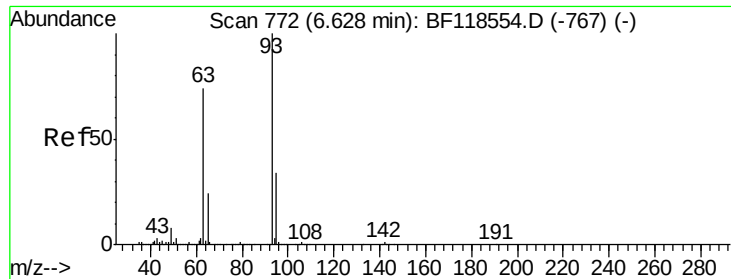


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

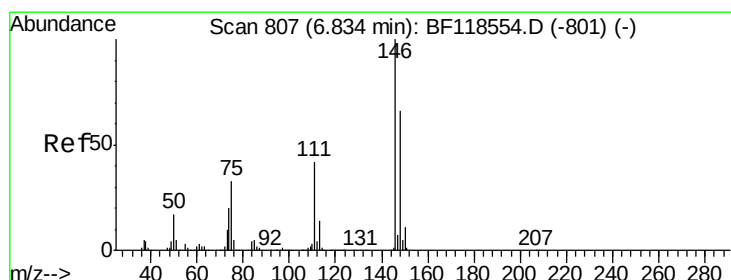
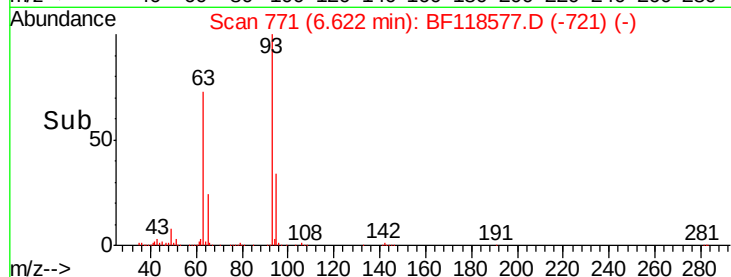
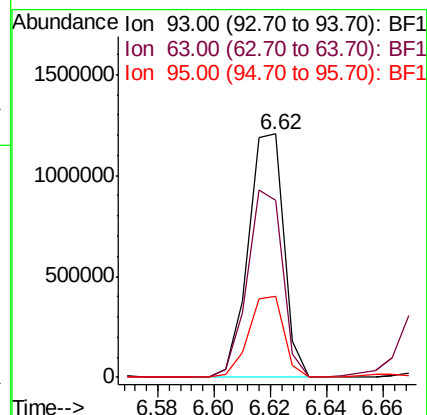
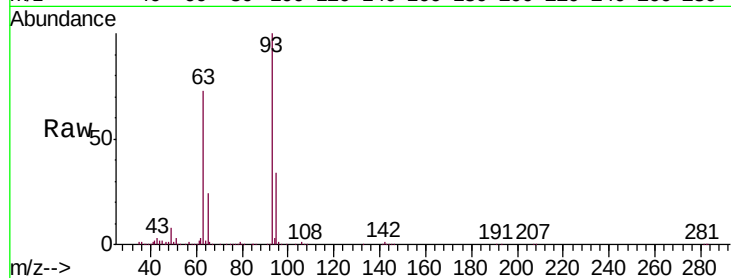




#11
bis(2-Chloroethyl)ether
Concen: 49.641 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF118577.D
Acq: 18 Jan 2020 00:09

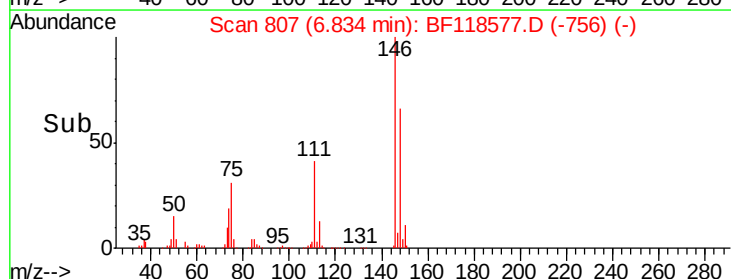
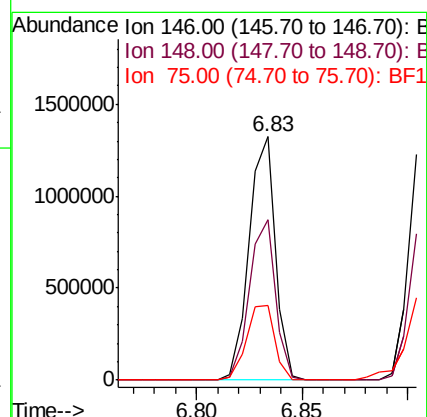
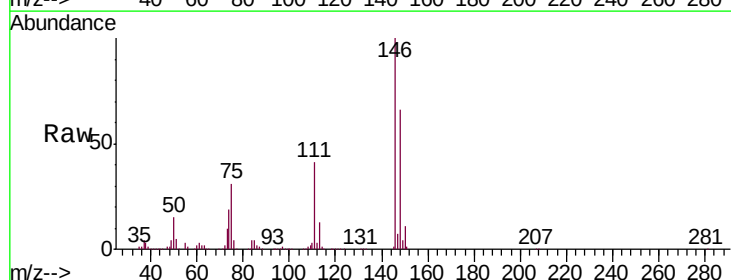
Instrument :
BNA_F
ClientSampleId :
PB126175BSD

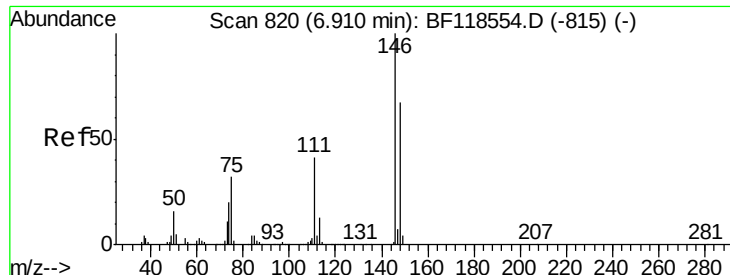
Tgt Ion: 93 Resp: 1057425
Ion Ratio Lower Upper
93 100
63 72.8 54.0 94.0
95 33.5 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 45.722 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF118577.D
Acq: 18 Jan 2020 00:09

Tgt Ion: 146 Resp: 1143989
Ion Ratio Lower Upper
146 100
148 66.0 53.0 79.6
75 30.8 26.5 39.7





#13

1,4-Dichlorobenzene

Concen: 46.362 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

Instrument :

BNA_F

ClientSampleId :

PB126175BSD

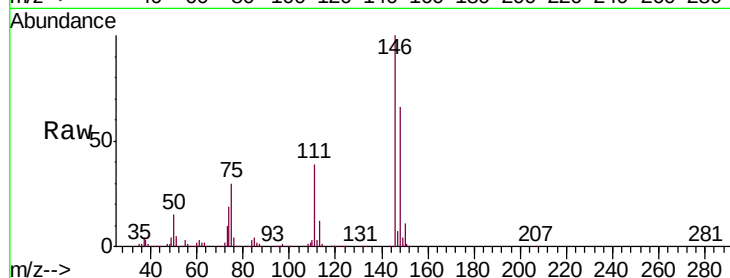
Tgt Ion:146 Resp: 1165347

Ion Ratio Lower Upper

146 100

148 66.3 53.4 80.2

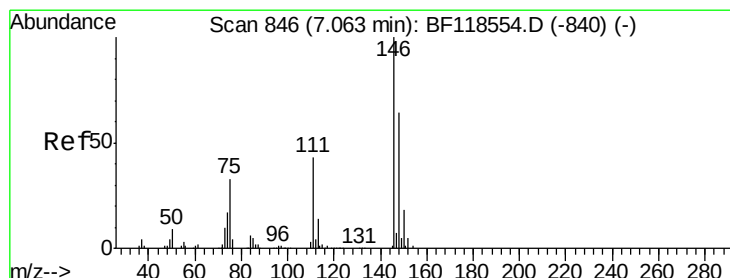
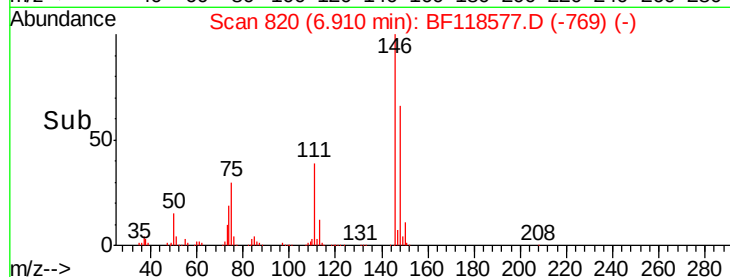
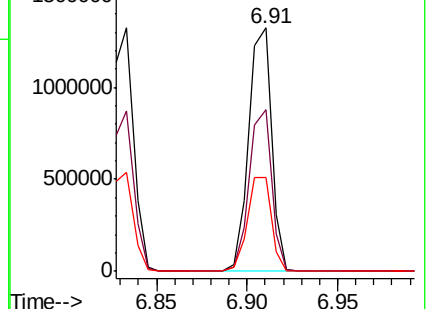
111 38.7 32.6 48.8



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: 47.110 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

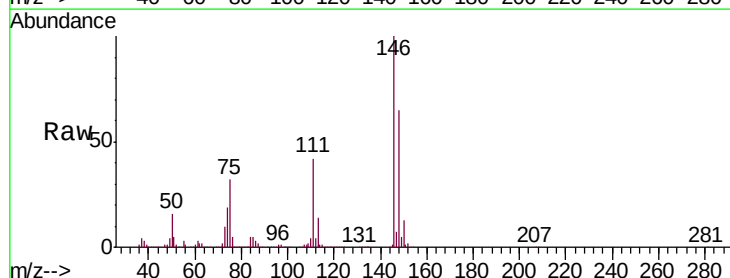
Tgt Ion:146 Resp: 1107911

Ion Ratio Lower Upper

146 100

148 65.1 51.2 76.8

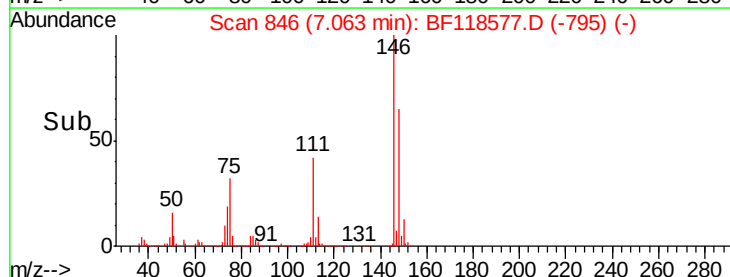
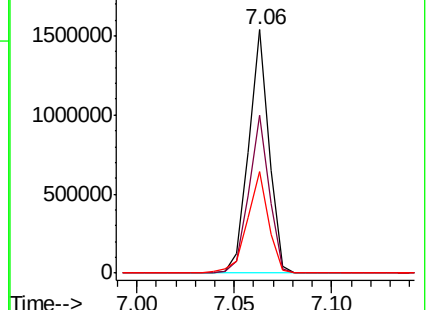
111 41.6 34.6 52.0

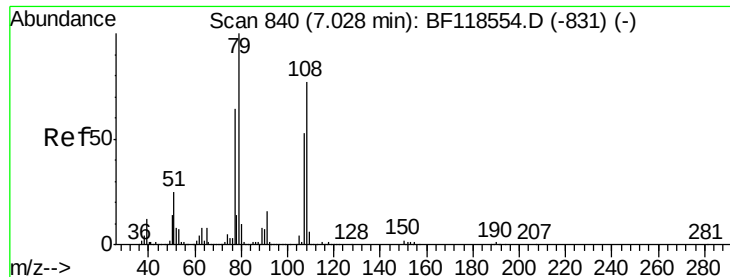


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 31.064 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

Instrument :

BNA_F

ClientSampleId :

PB126175BSD

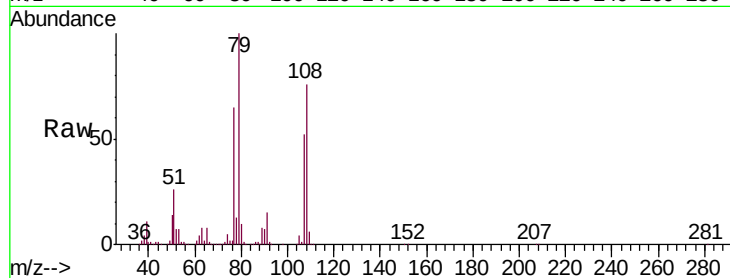
Tgt Ion: 79 Resp: 617987

Ion Ratio Lower Upper

79 100

108 75.9 61.9 92.9

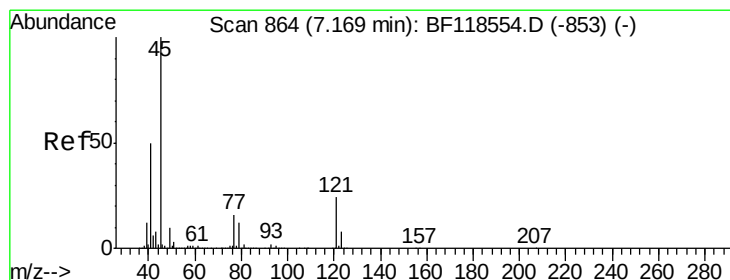
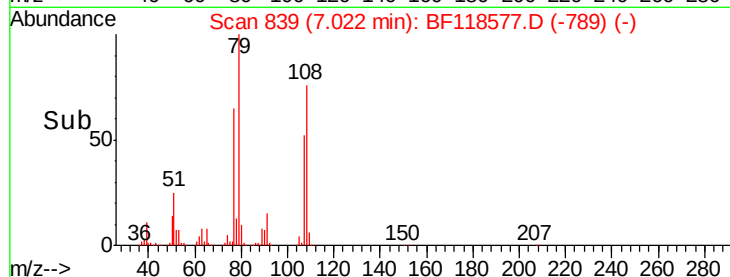
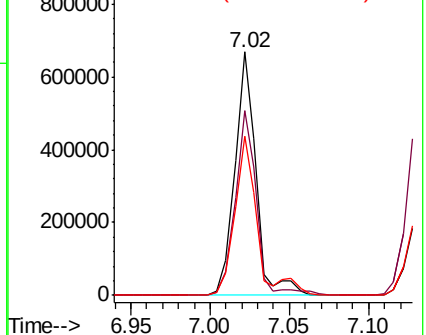
77 65.3 51.5 77.3



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.512 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

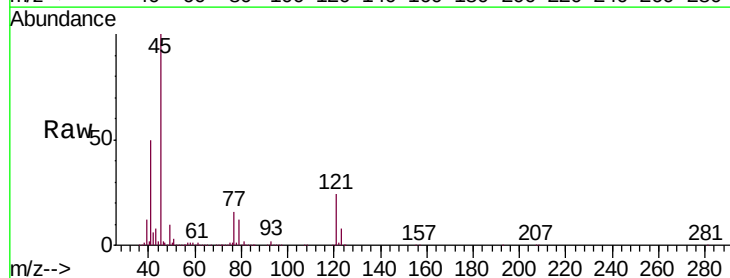
Tgt Ion: 45 Resp: 1422206

Ion Ratio Lower Upper

45 100

77 16.0 0.0 35.8

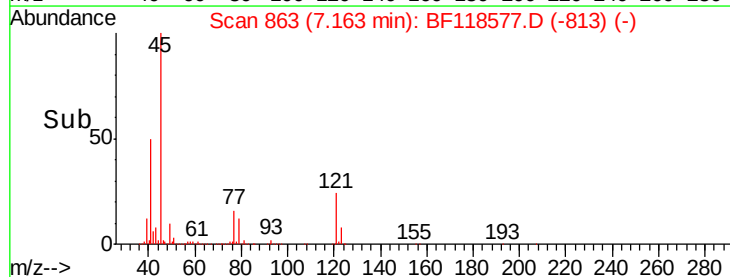
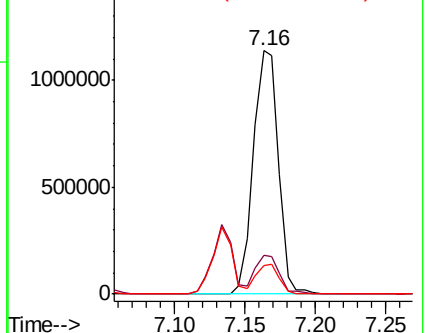
79 11.7 0.0 32.2

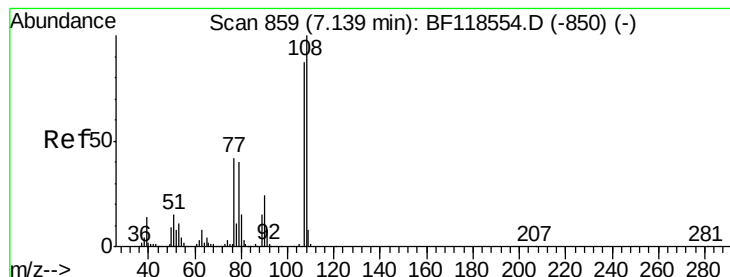


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 36.055 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

Instrument :

BNA_F

ClientSampleId :

PB126175BSD

Tgt Ion:107 Resp: 643927

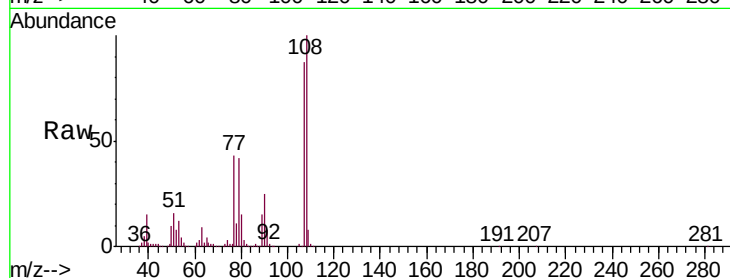
Ion Ratio Lower Upper

107 100

108 115.2 92.3 138.5

77 49.1 38.6 57.8

79 47.9 37.0 55.6



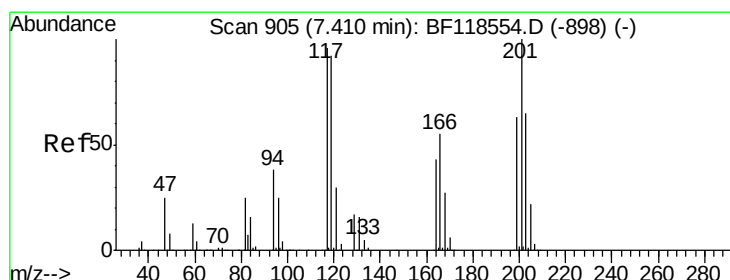
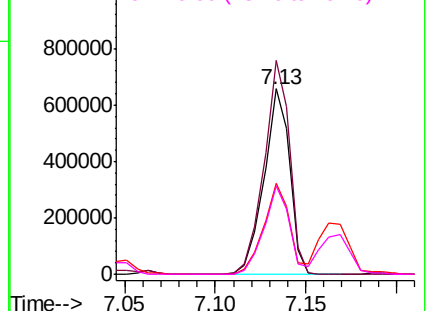
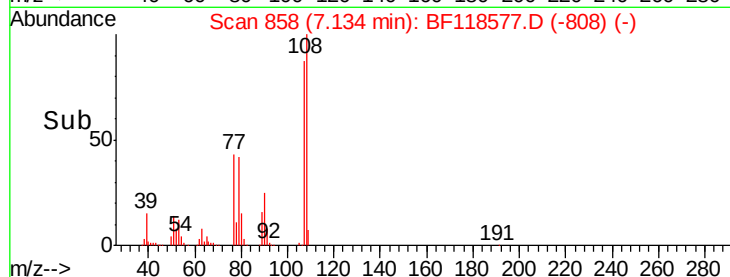
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 44.808 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.00 min

Lab File: BF118577.D

Acq: 18 Jan 2020 00:09

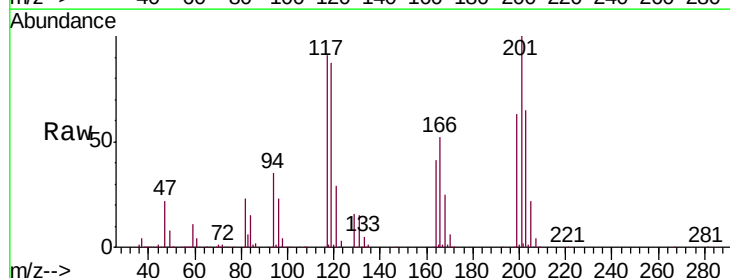
Tgt Ion:117 Resp: 410444

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3

201 110.2 83.6 125.4



Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

