

Data File : BF118578.D
Acq On : 18 Jan 2020 00:37
Operator : JU
Sample : L1142-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WS-1

Quant Time: Jan 18 01:14:00 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	359864	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1256214	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	672360	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1179358	20.00	ng	0.00
76) Chrysene-d12	14.04	240	873982	20.00	ng	0.00
87) Perylene-d12	15.52	264	981299	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	921509	47.31	ng	0.00
7) Phenol-d6	6.50	99	714042	27.98	ng	-0.02
23) Nitrobenzene-d5	7.45	82	2030977	99.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	736235	99.05	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3727228	100.08	ng	0.00
79) Terphenyl-d14	13.00	244	3877626	87.62	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.58	88	102	0.011	ng	# 23
3) Pyridine	3.56	79	1107	0.043	ng	# 1
4) n-Nitrosodimethylamine	3.39	42	997	0.084	ng	# 1
6) Aniline	6.55	93	950	0.028	ng	# 1
8) 2-Chlorophenol	6.67	128	558	0.025	ng	# 1
9) Benzaldehyde	6.43	77	8197	0.627	ng	# 33
10) Phenol	6.51	94	96722	3.454	ng	# 93
11) bis(2-Chloroethyl)ether	6.60	93	7696	0.343	ng	# 38
12) 1,3-Dichlorobenzene	6.90	146	632	0.024	ng	# 71
13) 1,4-Dichlorobenzene	6.90	146	632	0.024	ng	# 1
14) 1,2-Dichlorobenzene	7.05	146	116	0.005	ng	# 1
15) Benzyl Alcohol	7.01	79	21709	1.037	ng	# 62
16) 2,2'-oxybis(1-Chloropropan	7.17	45	429	0.013	ng	# 1
17) 2-Methylphenol	7.28	107	76364	4.062	ng	# 88
18) Hexachloroethane	7.43	117	64132	6.650	ng	# 1
19) n-Nitroso-di-n-propylamine	7.32	70	11934	0.652	ng	# 75
20) 3+4-Methylphenols	7.28	107	76364	3.396	ng	# 76
22) Acetophenone	7.29	105	7844	0.257	ng	# 23
24) Nitrobenzene	7.46	77	13713	0.634	ng	# 27
25) Isophorone	7.45	82	2014694	45.639	ng	# 63
26) 2-Nitrophenol	7.79	139	1397	6.335	ng	# 1
27) 2,4-Dimethylphenol	7.83	122	68709	3.914	ng	# 91
28) bis(2-Chloroethoxy)methane	7.92	93	2378	0.084	ng	# 1
29) 2,4-Dichlorophenol	8.01	162	2571	0.133	ng	# 1
31) Naphthalene	8.19	128	771593	13.024	ng	# 96
32) Benzoic acid	7.95	122	86648	13.879	ng	# 17
33) 4-Chloroaniline	8.19	127	106265	3.860	ng	# 39
35) Caprolactam	8.60	113	3337	0.555	ng	# 1
36) 4-Chloro-3-methylphenol	8.69	107	1276	0.067	ng	# 29
37) 2-Methylnaphthalene	8.88	142	185878	4.429	ng	# 99
38) 1-Methylnaphthalene	8.98	142	147021	3.703	ng	# 100
43) 2,4,6-Trichlorophenol	9.15	196	133	0.010	ng	# 79
44) 2,4,5-Trichlorophenol	9.19	196	345	0.025	ng	# 1
46) 1,1'-Biphenyl	9.35	154	62201	1.295	ng	# 95

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.55	162	1970	0.049	ng	98
48) 2-Nitroaniline	9.44	65	521	0.049	ng	# 36
49) Acenaphthylene	9.96	152	261505	4.574	ng	# 1
50) Dimethylphthalate	9.63	163	547775	11.866	ng	97
51) 2,6-Dinitrotoluene	9.63	165	7783	0.884	ng	# 5
52) Acenaphthene	9.96	154	485298	12.957	ng	98
53) 3-Nitroaniline	9.90	138	728	0.073	ng	# 28
54) 2,4-Dinitrophenol	9.96	184	257	10.649	ng	# 1
55) Dibenzofuran	10.13	168	397330	7.496	ng	97
56) 4-Nitrophenol	10.13	139	145477	19.737	ng	# 6
57) 2,4-Dinitrotoluene	10.08	165	5410	5.456	ng	# 60
58) Fluorene	10.47	166	418375	10.193	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	527	0.044	ng	# 1
60) Diethylphthalate	10.34	149	5877	0.130	ng	# 81
61) 4-Chlorophenyl-phenylether	10.46	204	1940	0.086	ng	# 27
62) 4-Nitroaniline	10.75	138	2114	0.213	ng	93
63) Azobenzene	10.62	77	6663	0.152	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.50	198	107	9.743	ng	# 1
66) n-Nitrosodiphenylamine	10.37	169	2536	0.067	ng	97
67) 4-Bromophenyl-phenylether	10.71	248	46468	2.943	ng	# 1
68) Hexachlorobenzene	11.02	284	1363	0.078	ng	# 53
69) Atrazine	11.12	200	757	0.069	ng	# 1
70) Pentachlorophenol	11.21	266	1627	0.189	ng	95
71) Phenanthrene	11.43	178	1791811	30.226	ng	95
72) Anthracene	11.48	178	552371	9.339	ng	94
73) Carbazole	11.63	167	859637	16.116	ng	95
74) Di-n-butylphthalate	11.97	149	18927	0.286	ng	# 84
75) Fluoranthene	12.62	202	1176814	18.460	ng	94
77) Benzidine	13.00	184	55115	2.596	ng	96
78) Pyrene	12.85	202	970355	14.876	ng	94
80) Butylbenzylphthalate	13.47	149	2873	0.103	ng	# 46
81) Benzo(a)anthracene	14.03	228	325867	5.907	ng	97
82) 3,3'-Dichlorobenzidine	14.00	252	339	0.018	ng	# 67
83) Chrysene	14.07	228	269591	5.081	ng	94
84) Bis(2-ethylhexyl)phthalate	14.03	149	17538	0.505	ng	99
85) Di-n-octyl phthalate	14.64	149	5003	0.094	ng	# 74
86) Indeno(1,2,3-cd)pyrene	16.98	276	164356	3.148	ng	96
88) Benzo(b)fluoranthene	15.08	252	419442	6.563	ng	97
89) Benzo(k)fluoranthene	15.08	252	419442	7.262	ng	98
90) Benzo(a)pyrene	15.45	252	249854	4.493	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	42802	0.824	ng	98
92) Benzo(g,h,i)perylene	17.43	276	175111	3.490	ng	97

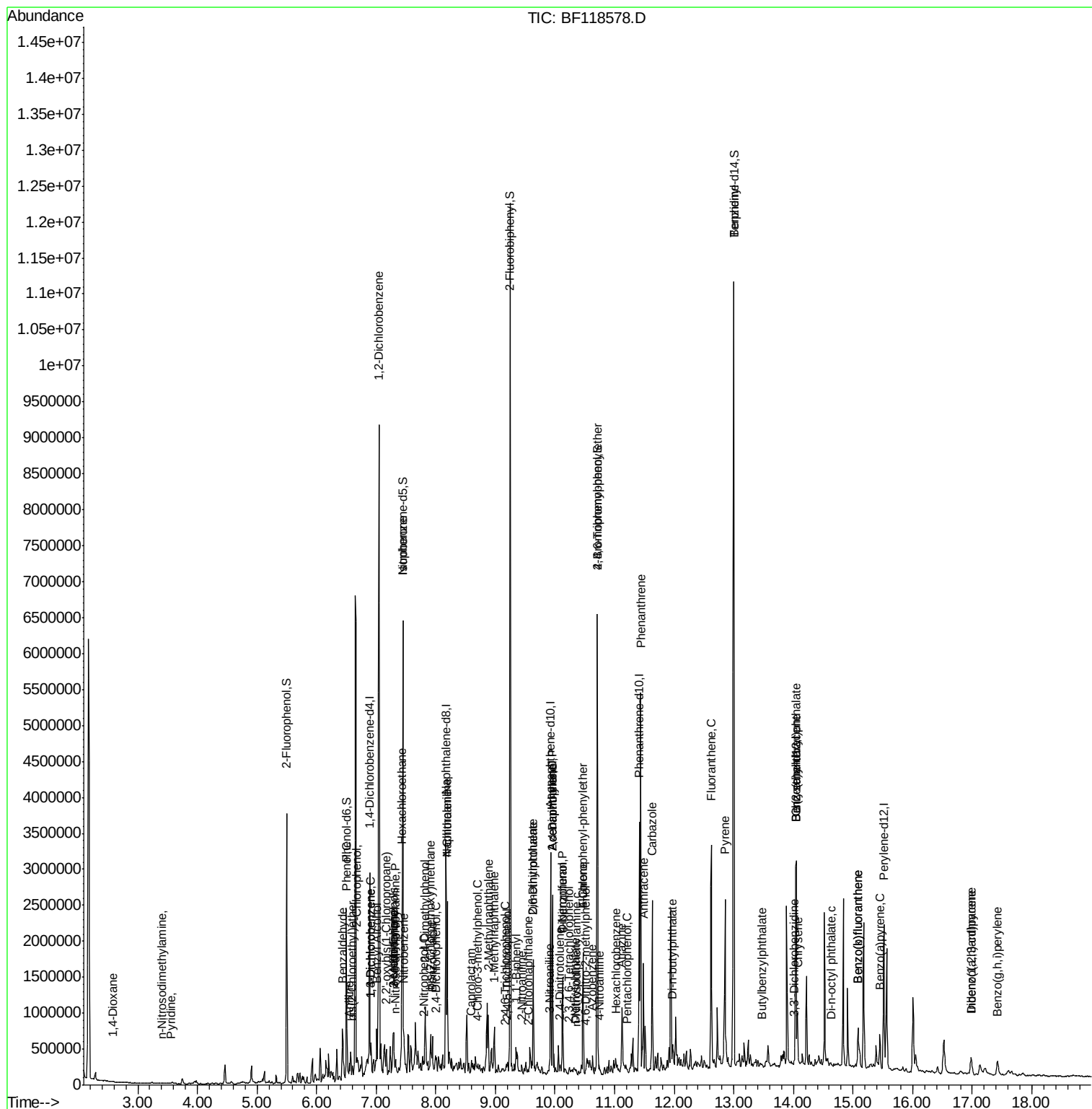
(#) = qualifier out of range (m) = manual integration (+) = signals summed

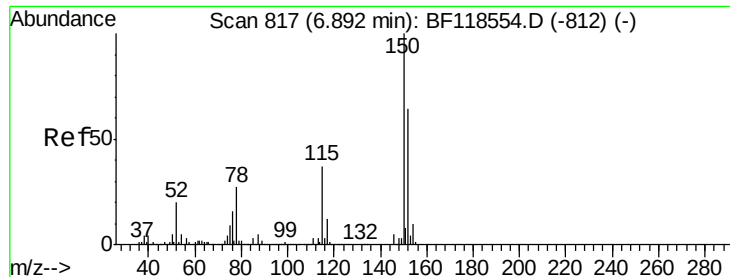
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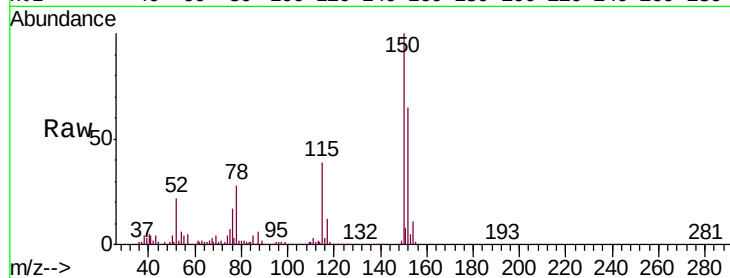


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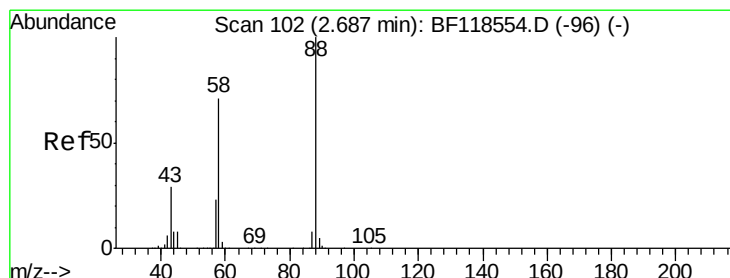
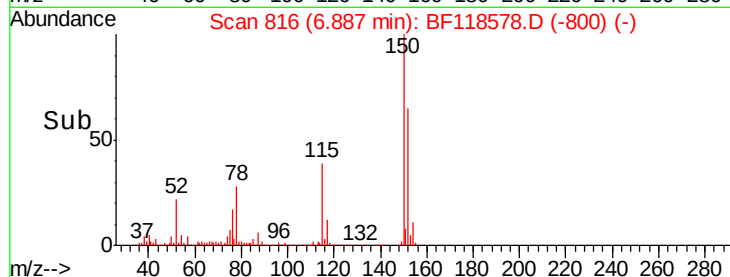
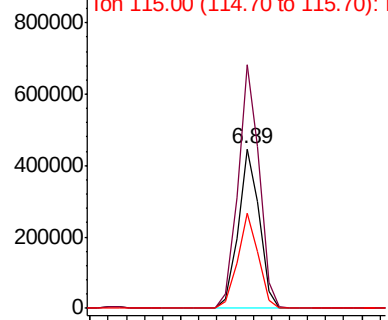
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118578.D
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BNA_F
ClientSampleId :
WS-1

Tgt Ion:152 Resp: 359864
Ion Ratio Lower Upper
152 100
150 153.0 124.9 187.3
115 59.7 45.8 68.6



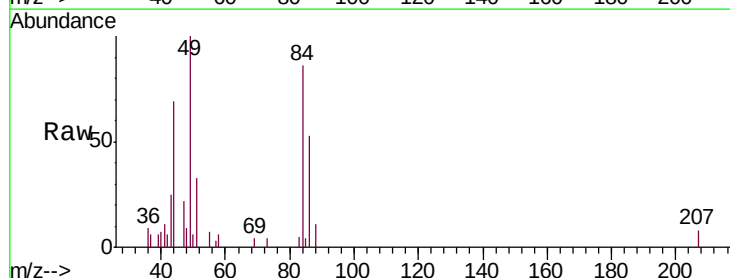
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



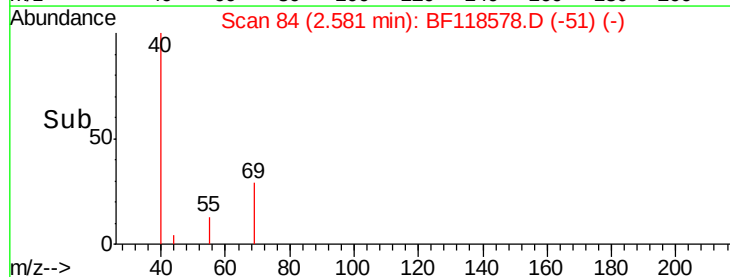
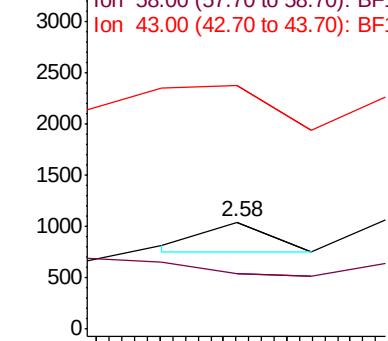
#2

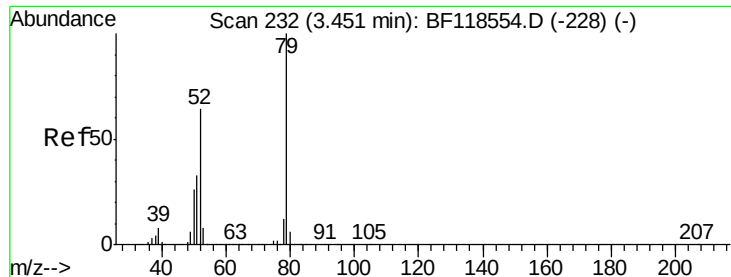
1,4-Dioxane
Concen: 0.011 ng
RT: 2.58 min Scan# 84
Delta R.T. -0.11 min
Lab File: BF118578.D
Acq: 18 Jan 2020 00:37

Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
58 0.0 56.7 85.1#
43 0.0 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: 0.043 ng

RT: 3.56 min Scan# 250

Delta R.T. 0.11 min

Lab File: BF118578.D

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Instrument :

BNA_F

ClientSampleId :

WS-1

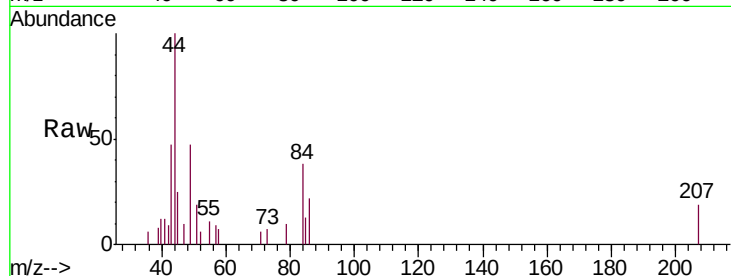
Tgt Ion: 79 Resp: 1107

Ion Ratio Lower Upper

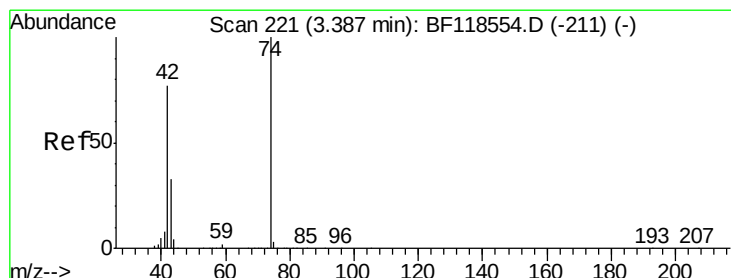
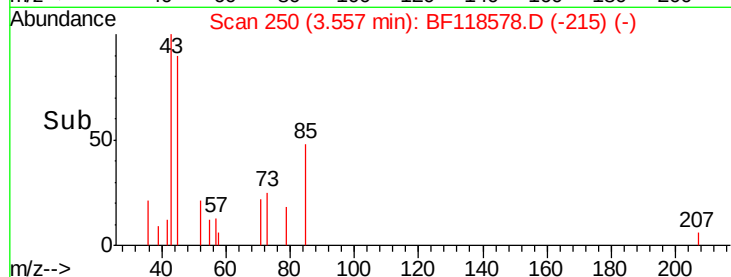
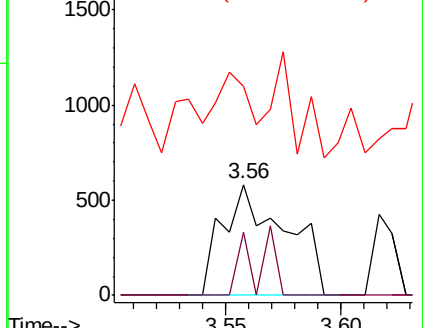
79 100

52 57.2 51.3 76.9

51 188.5 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: 0.084 ng

RT: 3.39 min Scan# 222

Delta R.T. 0.01 min

Lab File: BF118578.D

Acq: 18 Jan 2020 00:37

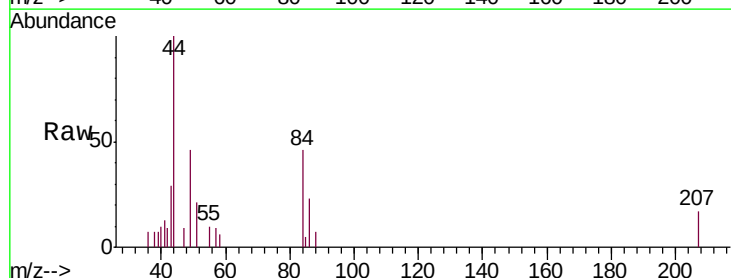
Tgt Ion: 42 Resp: 997

Ion Ratio Lower Upper

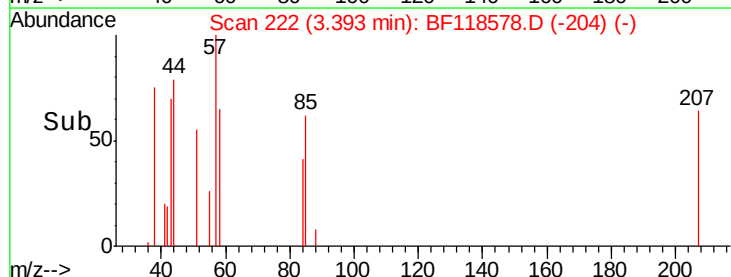
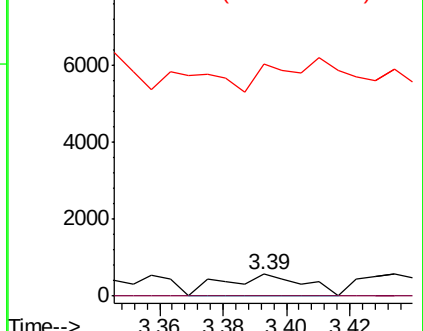
42 100

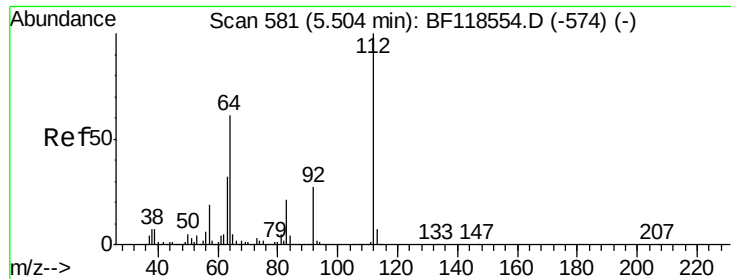
74 0.0 103.1 154.7#

44 1052.7 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: 47.315 ng

RT: 5.50 min Scan# 580

Delta R.T. -0.01 min

Lab File: BF118578.D

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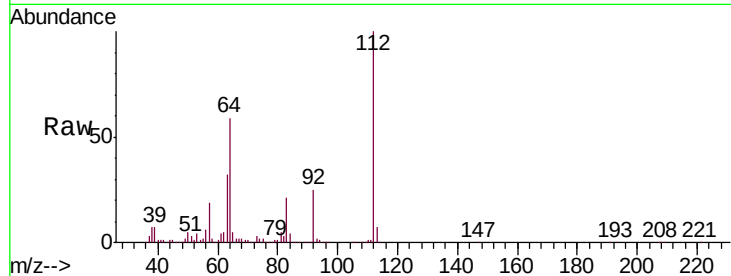
Tgt Ion:112 Resp: 921509

Ion Ratio Lower Upper

112 100

64 59.4 49.1 73.7

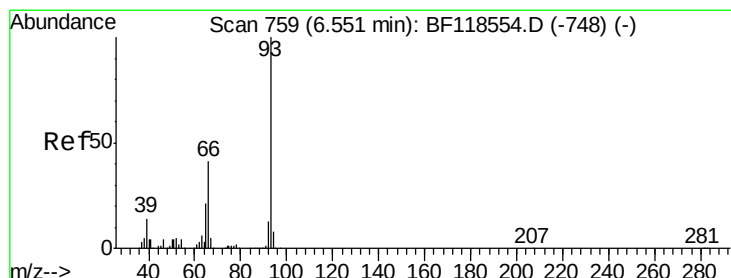
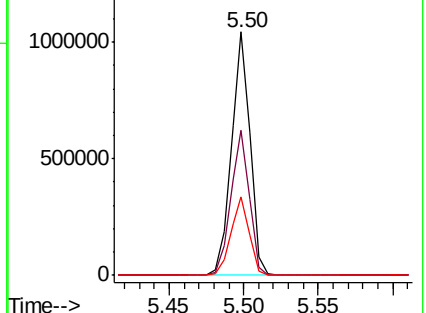
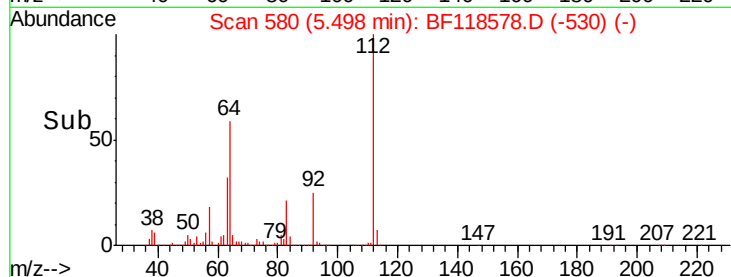
63 32.3 25.8 38.8



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: 0.028 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF118578.D

Acq: 18 Jan 2020 00:37

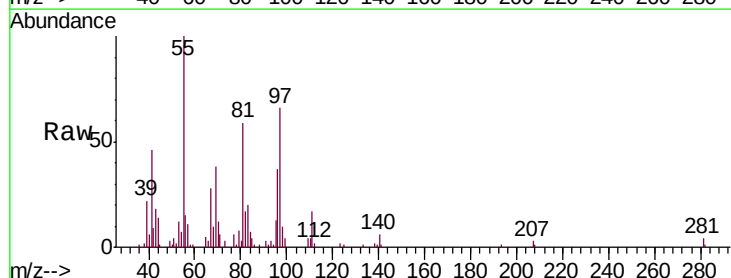
Tgt Ion: 93 Resp: 950

Ion Ratio Lower Upper

93 100

66 86.5 32.9 49.3#

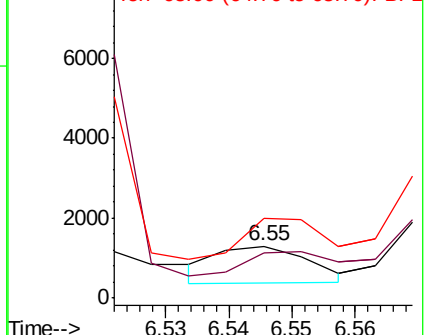
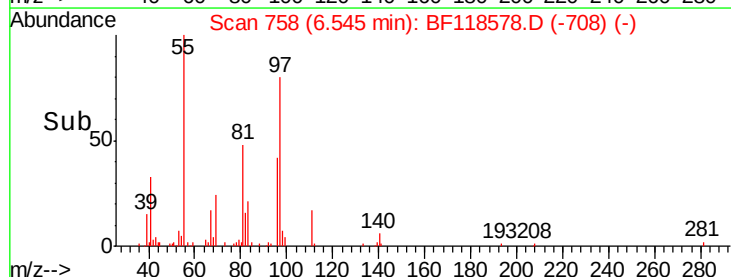
65 152.8 16.5 24.7#

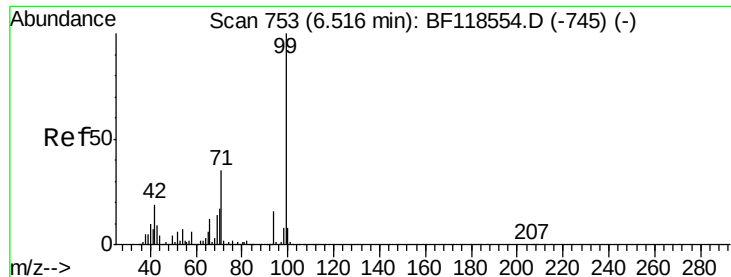


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 27.980 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

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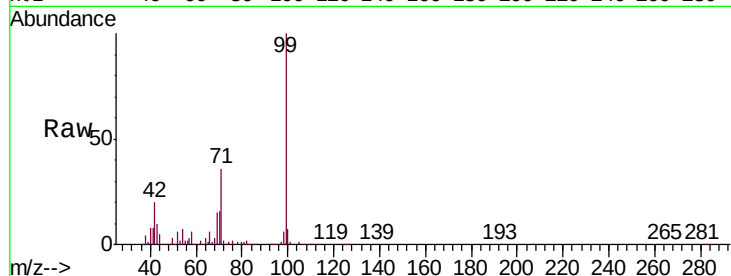
Tgt Ion: 99 Resp: 714042

Ion Ratio Lower Upper

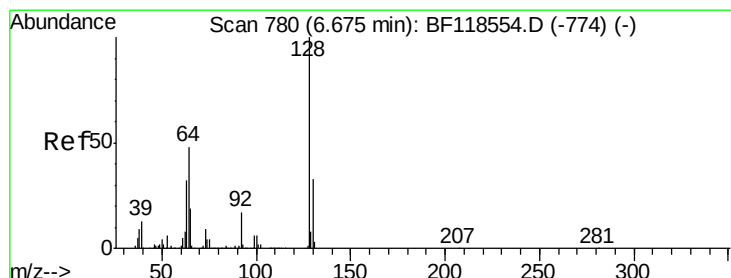
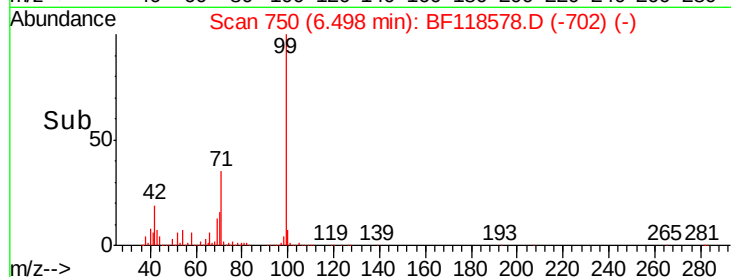
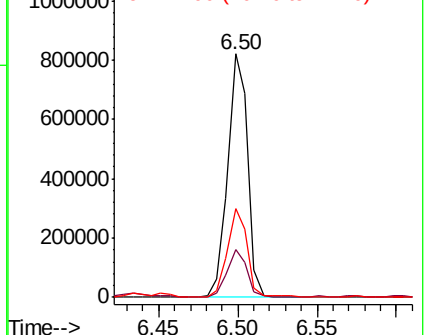
99 100

42 19.6 14.9 22.3

71 36.2 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: 0.025 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

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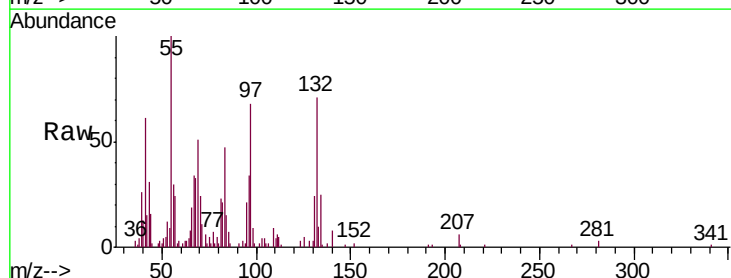
Tgt Ion: 128 Resp: 558

Ion Ratio Lower Upper

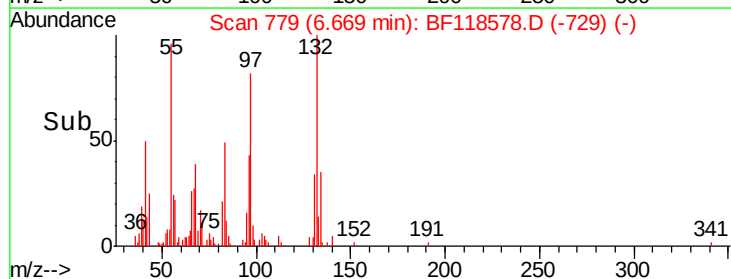
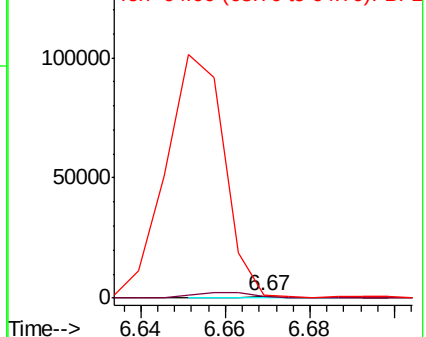
128 100

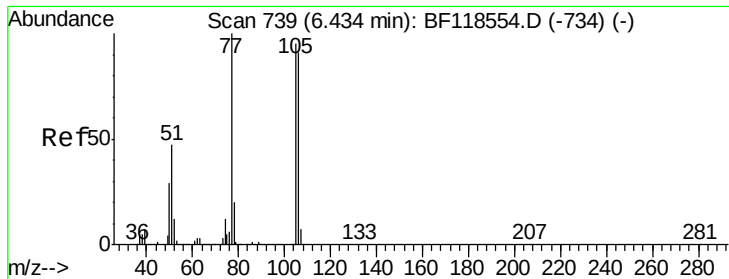
130 103.0 13.2 53.2#

64 137.2 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: 0.627 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

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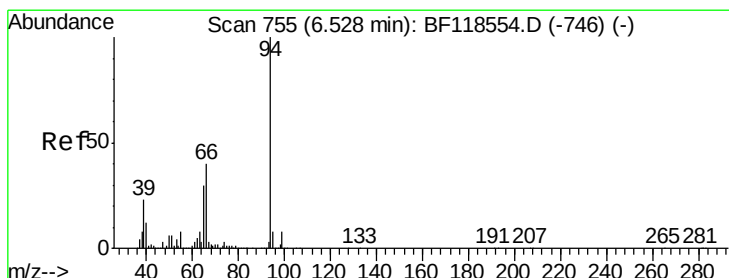
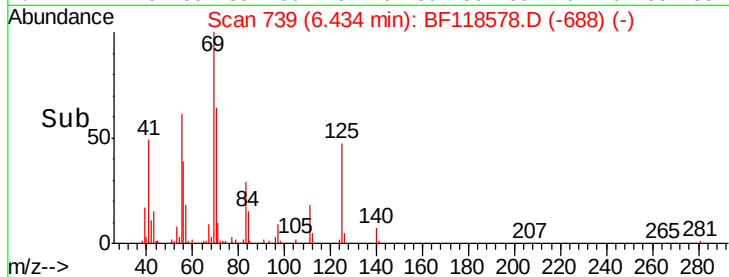
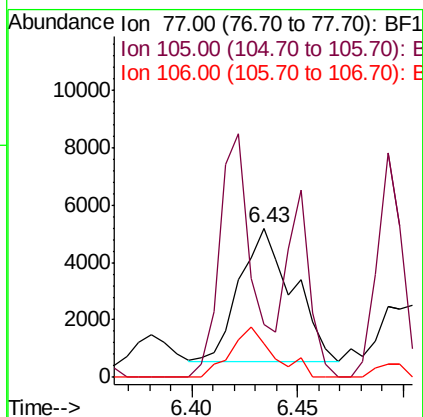
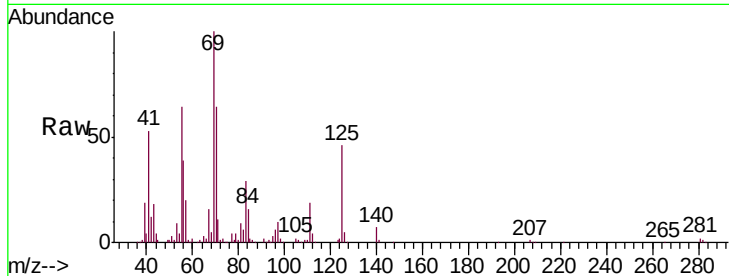
Tgt Ion: 77 Resp: 8197

Ion Ratio Lower Upper

77 100

105 35.2 75.2 115.2#

106 22.6 71.4 111.4#



#10

Phenol

Concen: 3.454 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.02 min

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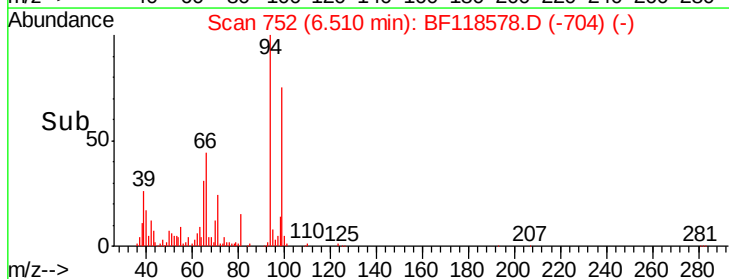
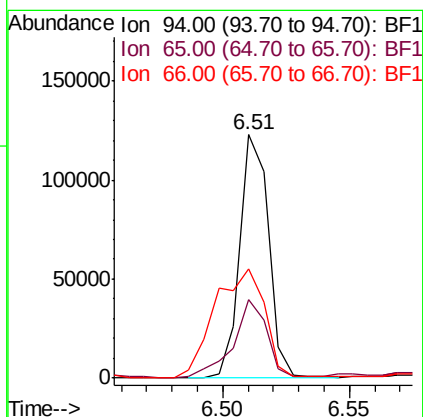
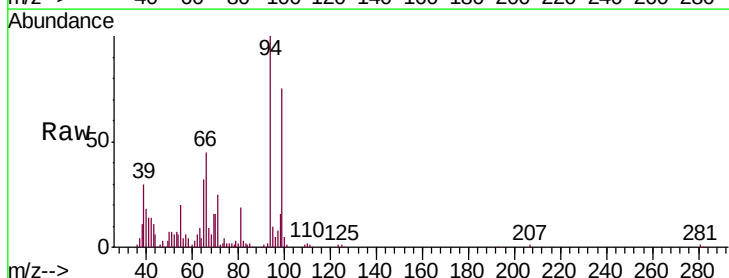
Tgt Ion: 94 Resp: 96722

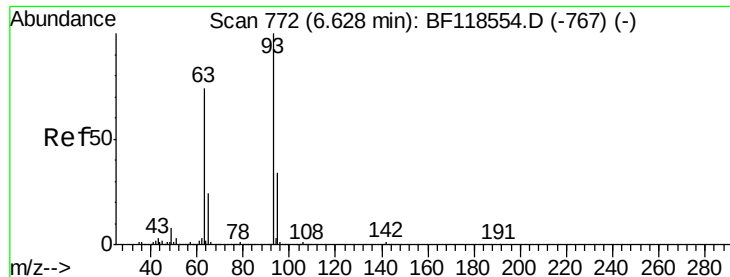
Ion Ratio Lower Upper

94 100

65 32.0 9.8 49.8

66 44.8 19.5 59.5

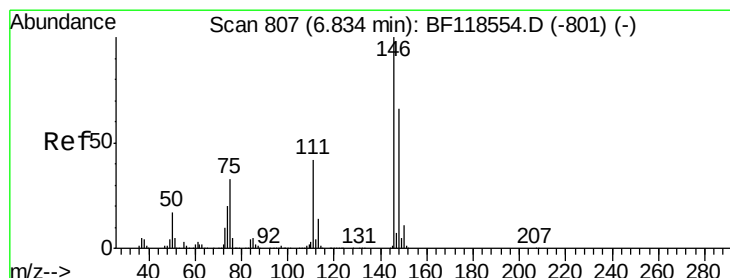
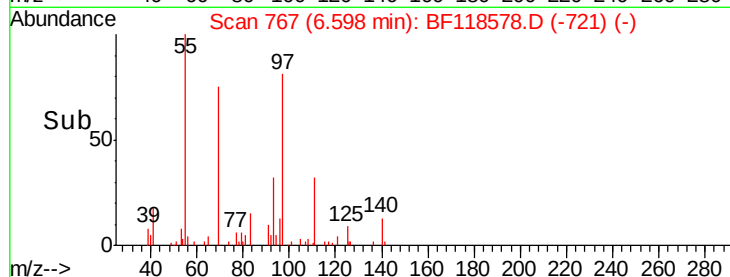
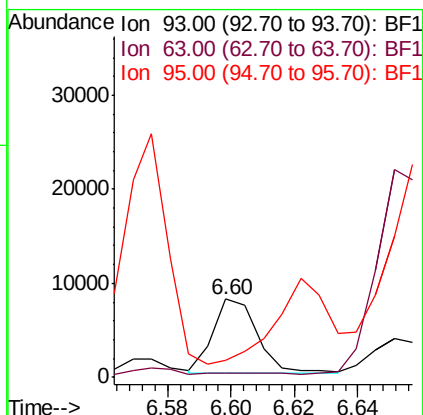
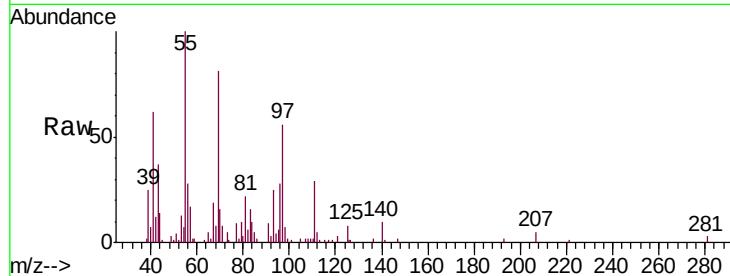




#11
bis(2-Chloroethyl)ether
Concen: 0.343 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.03 min
Lab File: BF118578.D
Acq: 18 Jan 2020 00:37

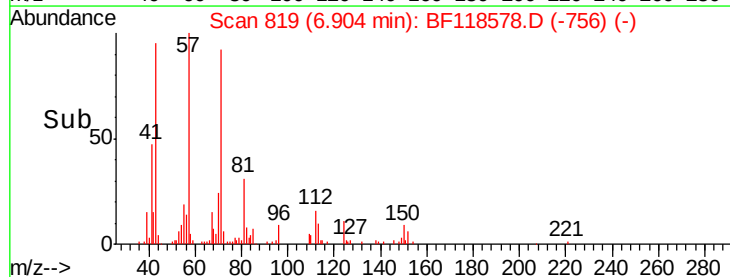
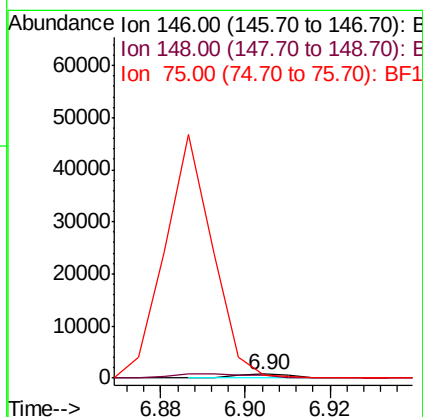
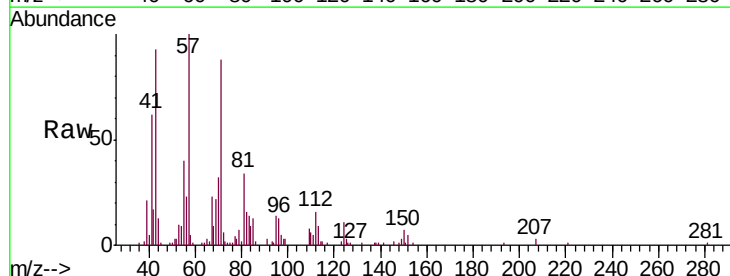
Instrument :
BNA_F
ClientSampleId :
WS-1

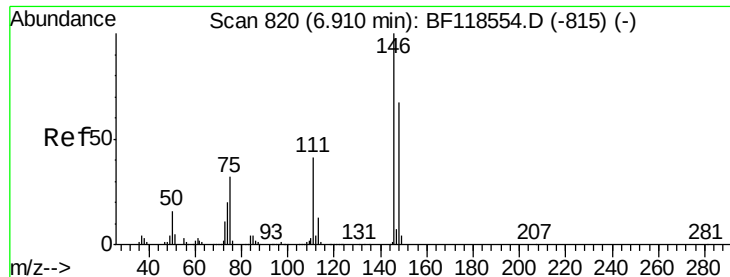
Tgt Ion: 93 Resp: 7696
Ion Ratio Lower Upper
93 100
63 5.8 54.0 94.0#
95 22.5 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 0.024 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.07 min
Lab File: BF118578.D
Acq: 18 Jan 2020 00:37

Tgt Ion: 146 Resp: 632
Ion Ratio Lower Upper
146 100
148 74.0 53.0 79.6
75 72.1 26.5 39.7#

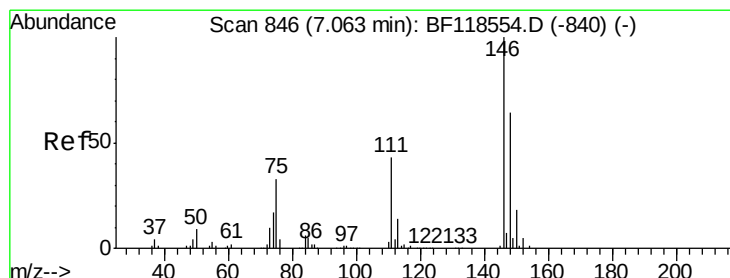
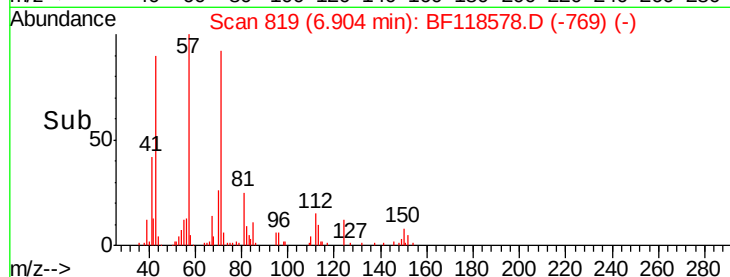
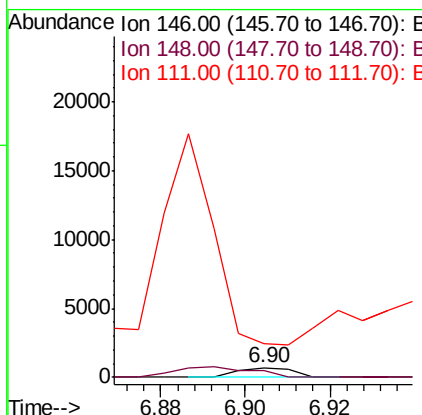
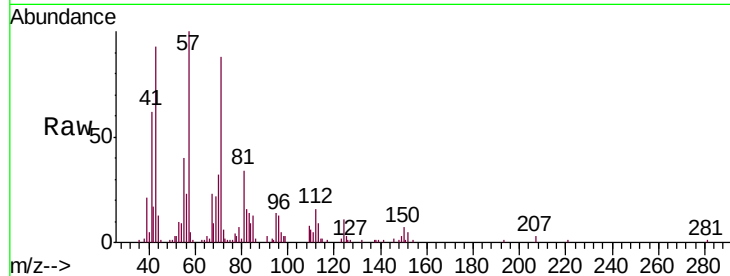




#13
 1,4-Dichlorobenzene
 Concen: 0.024 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF118578.D
 Acq: 18 Jan 2020 00:37

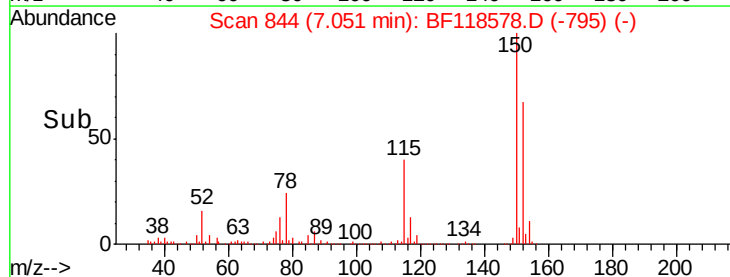
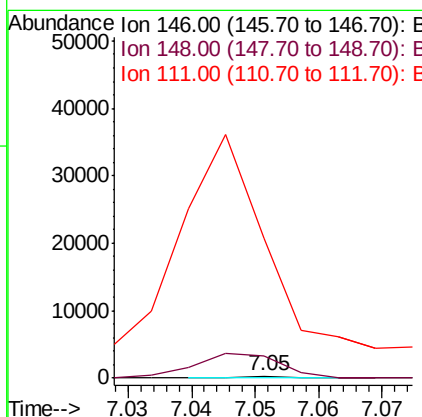
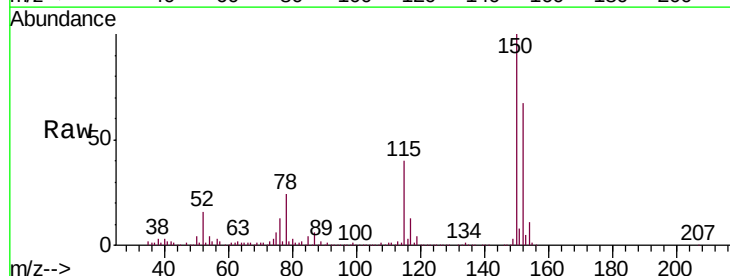
Instrument :
 BNA_F
 ClientSampleId :
 WS-1

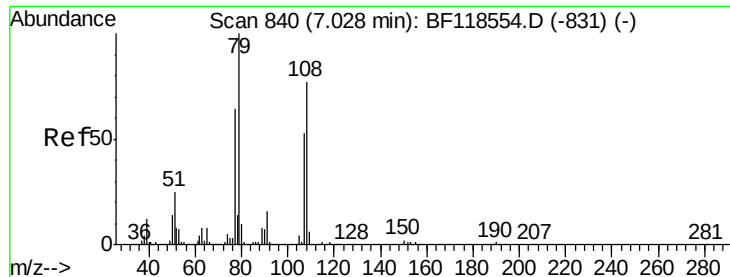
Tgt Ion:146 Resp: 632
 Ion Ratio Lower Upper
 146 100
 148 74.0 53.4 80.2
 111 338.7 32.6 48.8#



#14
 1,2-Dichlorobenzene
 Concen: 0.005 ng
 RT: 7.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BF118578.D
 Acq: 18 Jan 2020 00:37

Tgt Ion:146 Resp: 116
 Ion Ratio Lower Upper
 146 100
 148 969.7 51.2 76.8#
 111 6269.1 34.6 52.0#





#15

Benzyl Alcohol

Concen: 1.037 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.02 min

Lab File: BF118578.D

Acq: 18 Jan 2020 00:37

Instrument :

BNA_F

ClientSampled :

WS-1

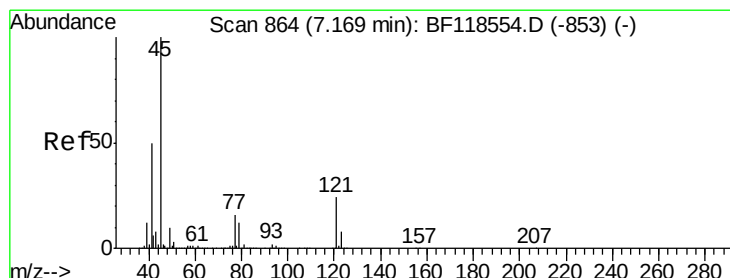
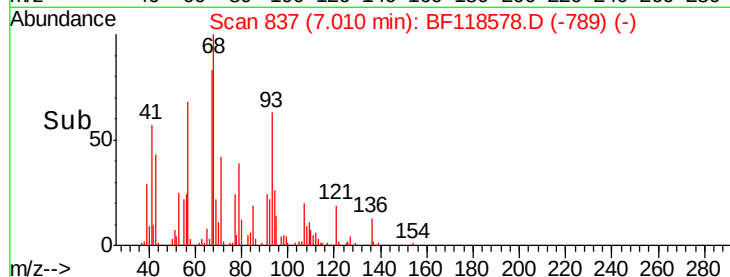
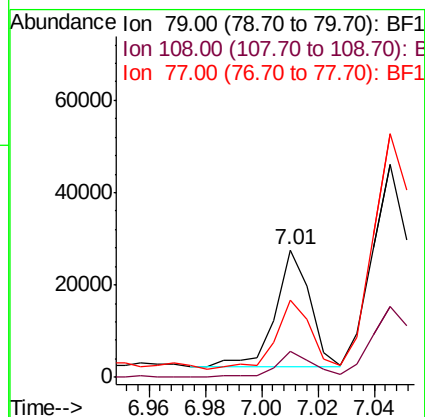
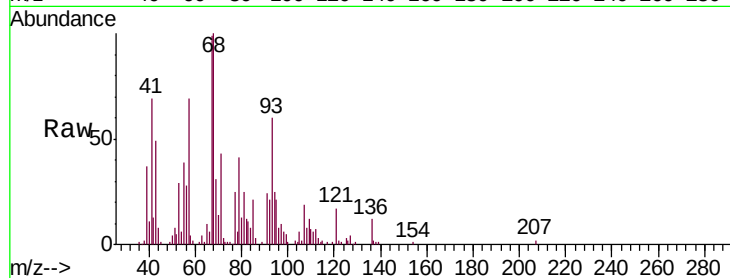
Tgt Ion: 79 Resp: 21709

Ion Ratio Lower Upper

79 100

108 20.2 61.9 92.9#

77 61.1 51.5 77.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.013 ng

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF118578.D

Acq: 18 Jan 2020 00:37

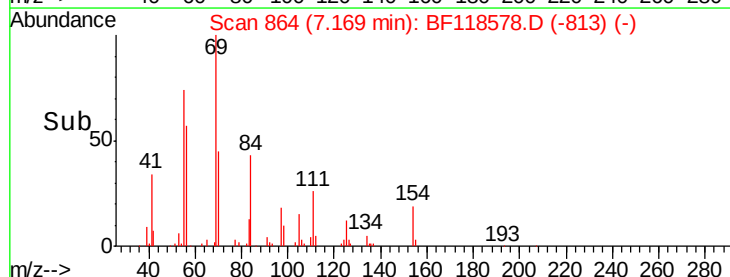
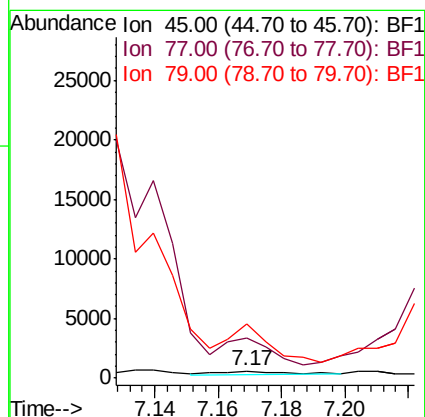
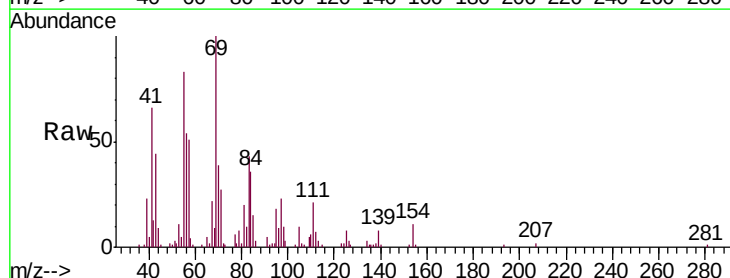
Tgt Ion: 45 Resp: 429

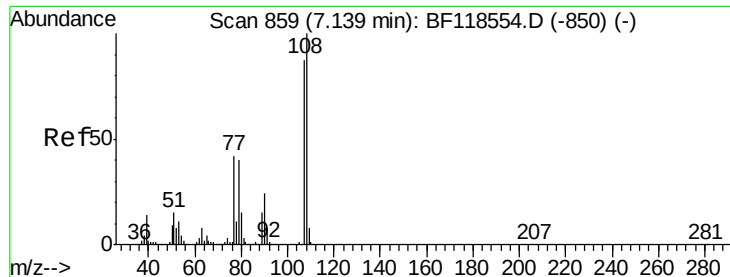
Ion Ratio Lower Upper

45 100

77 537.4 0.0 35.8#

79 741.1 0.0 32.2#

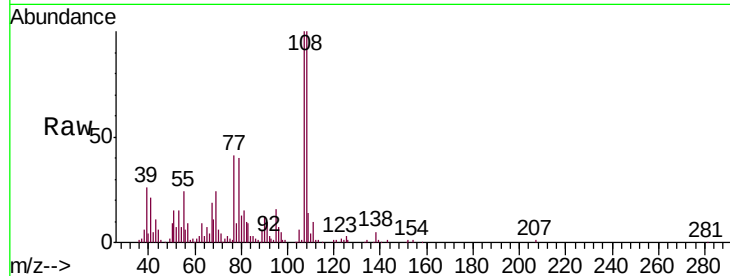




#17
2-Methylphenol
Concen: 4.062 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF118578.D
Acq: 18 Jan 2020 00:37

Instrument :
BNA_F
ClientSampleId :
WS-1

Tgt Ion:	107	Resp:	76364
Ion	Ratio	Lower	Upper
107	100		
108	99.7	92.3	138.5
77	41.5	38.6	57.8
79	39.7	37.0	55.6



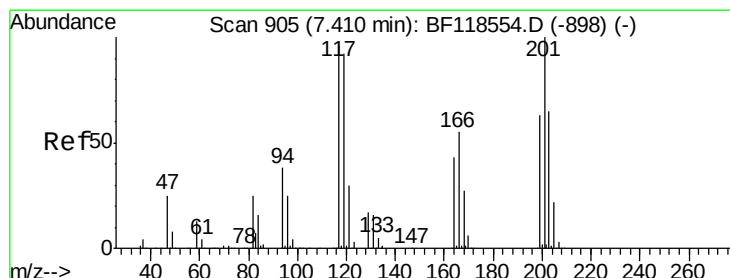
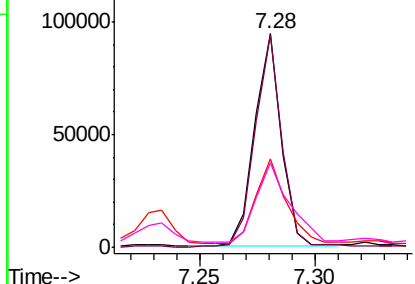
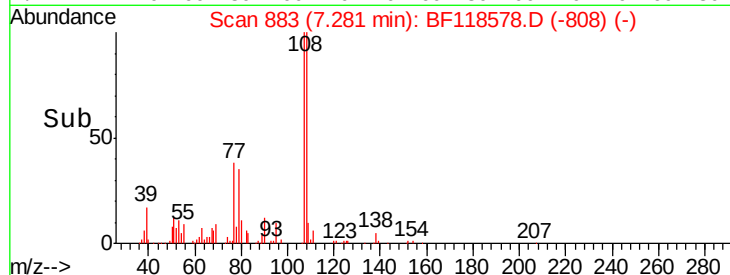
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

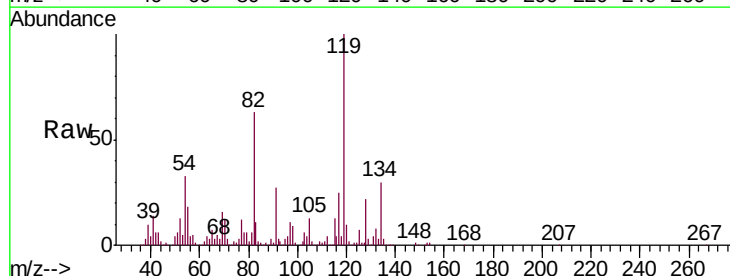
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 6.650 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.02 min
Lab File: BF118578.D
Acq: 18 Jan 2020 00:37

Tgt Ion:	117	Resp:	64132
Ion	Ratio	Lower	Upper
117	100		
119	401.7	76.9	115.3#
201	0.0	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

