

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111884.D
 Acq On : 7 Jan 2019 18:48
 Operator : JU/SJ
 Sample : K1059-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:05:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

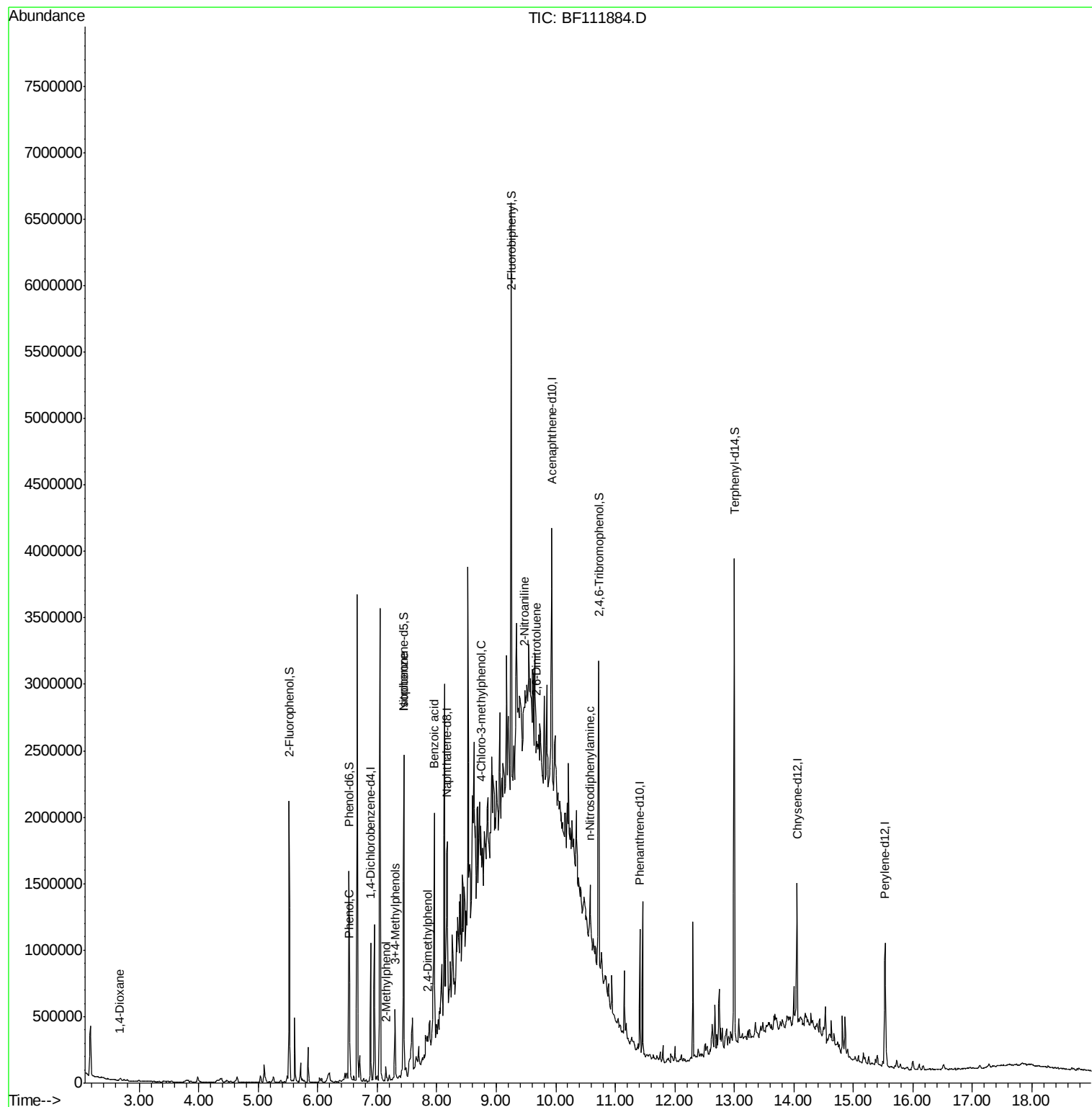
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	139094	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	496695	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	183488	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	330631	20.00	ng	0.00
76) Chrysene-d12	14.05	240	349437	20.00	ng	0.00
87) Perylene-d12	15.53	264	428452	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	547316	67.32	ng	0.00
7) Phenol-d6	6.53	99	452563	43.19	ng	0.00
23) Nitrobenzene-d5	7.45	82	824011	88.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	319119	133.71	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1292070	102.68	ng	0.00
79) Terphenyl-d14	13.00	244	1193815	64.85	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.68	88	11565	3.253	ng	# 79
9) Benzaldehyde	6.53	77	1196	Below Cal		# 1
10) Phenol	6.54	94	37554	3.297	ng	# 75
17) 2-Methylphenol	7.15	107	15223	2.098	ng	# 94
20) 3+4-Methylphenols	7.30	107	123420	13.667	ng	# 67
25) Isophorone	7.45	82	813801	54.076	ng	# 65
27) 2,4-Dimethylphenol	7.84	122	31711	4.738	ng	# 93
32) Benzoic acid	7.96	122	421337	97.008	ng	# 11
36) 4-Chloro-3-methylphenol	8.75	107	27972	3.655	ng	# 19
48) 2-Nitroaniline	9.48	65	9096	2.470	ng	# 72
51) 2,6-Dinitrotoluene	9.69	165	18884	6.127	ng	# 30
66) n-Nitrosodiphenylamine	10.58	169	77858	7.017	ng	# 97

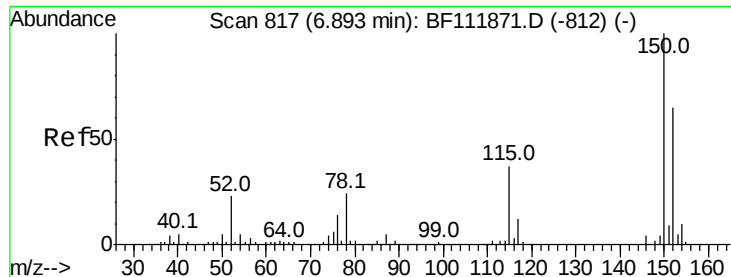
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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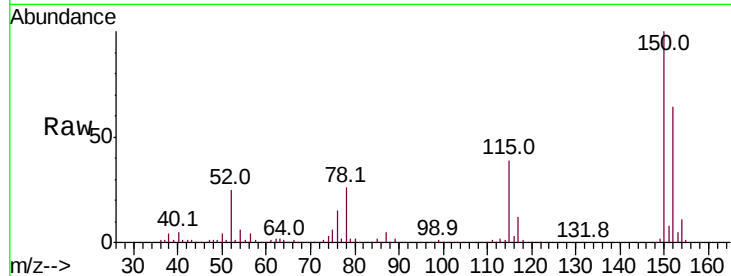


#1

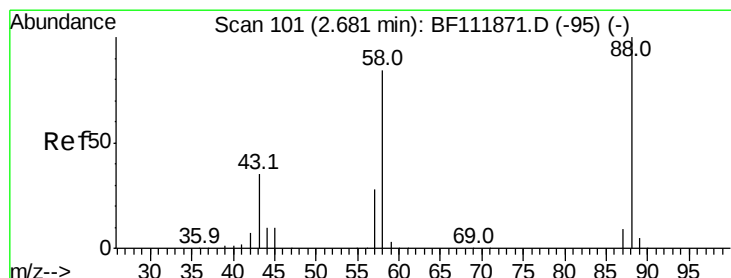
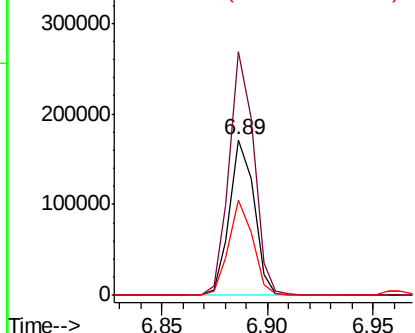
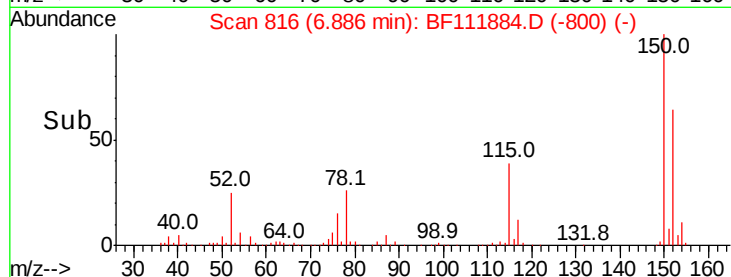
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139094
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 60.8 45.2 67.8



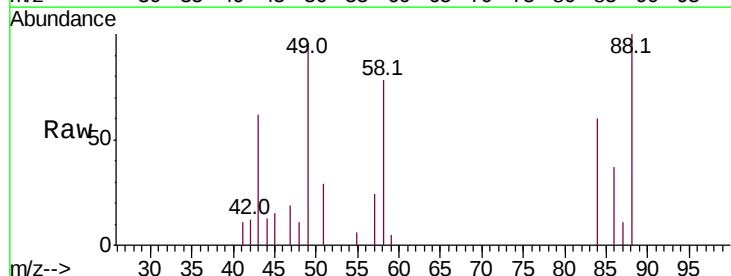
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



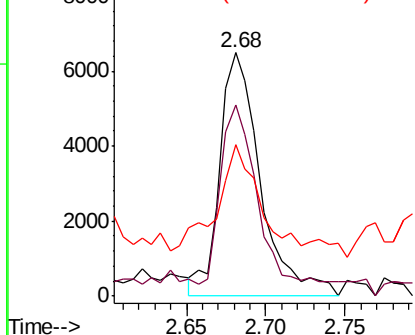
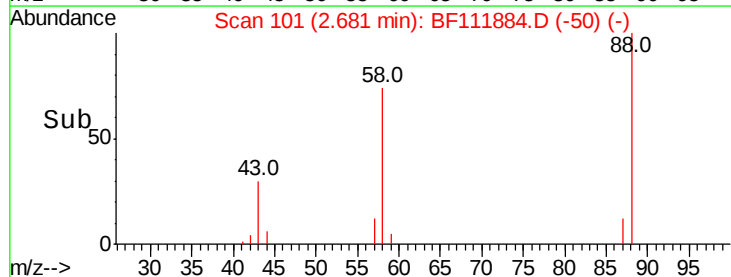
#2

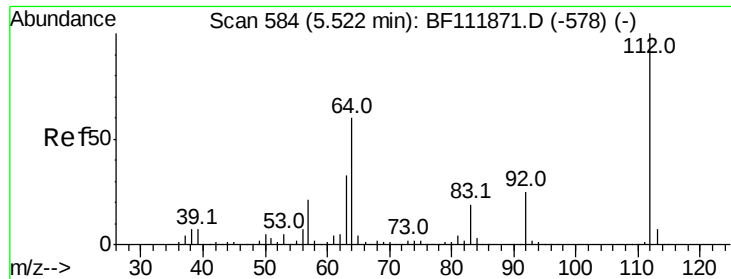
1,4-Dioxane
Concen: 3.253 ng
RT: 2.68 min Scan# 101
Delta R.T. -0.00 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Tgt Ion: 88 Resp: 11565
Ion Ratio Lower Upper
88 100
58 62.9 67.6 101.4#
43 44.7 29.0 43.6#



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

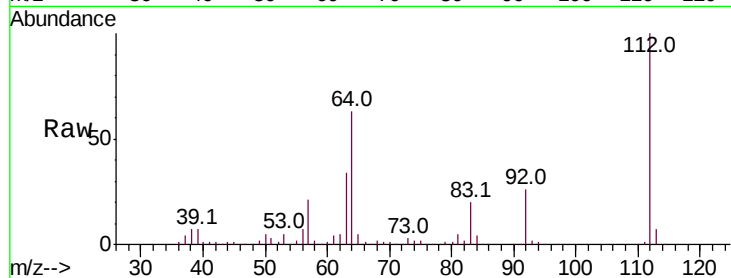




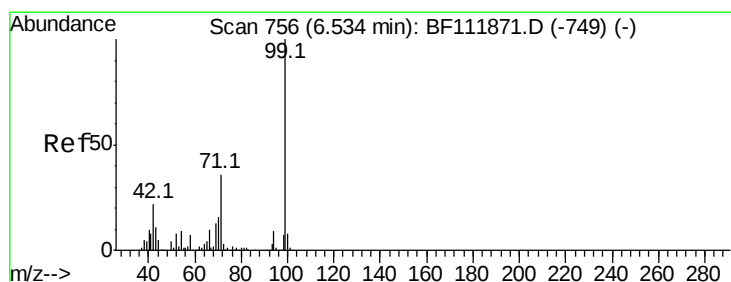
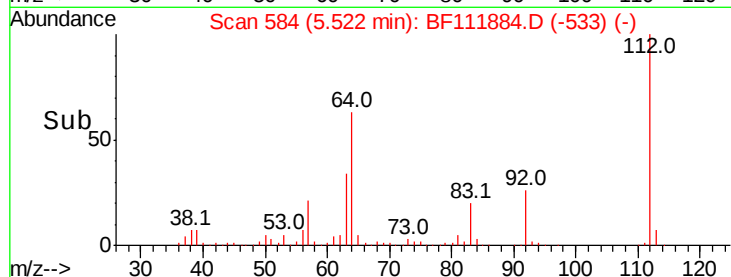
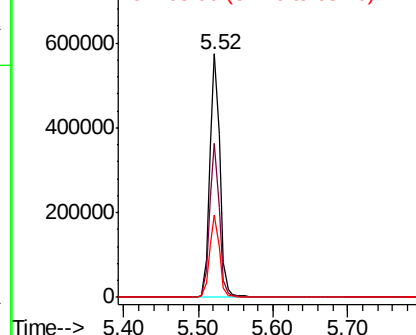
#5
2-Fluorophenol
Concen: 67.318 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
112	100		
64	63.2	48.3	72.5
63	33.7	26.1	39.1

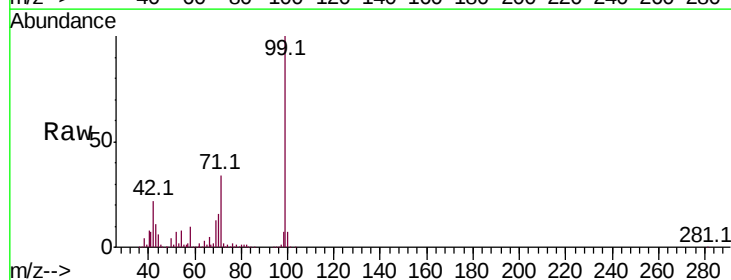


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

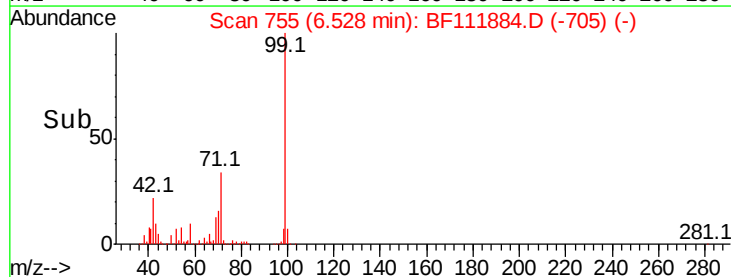
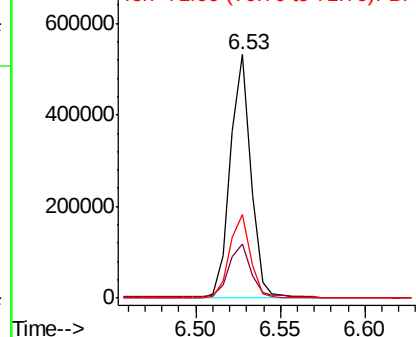


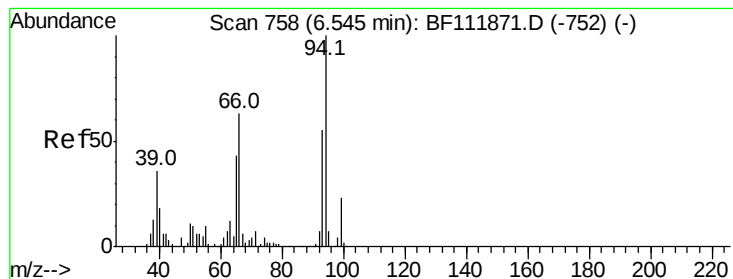
#7
Phenol-d6
Concen: 43.188 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Tgt Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.9	26.9
71	34.4	28.7	43.1



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





#10

Phenol

Concen: 3.297 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

Instrument :

BNA_F

ClientSampleId :

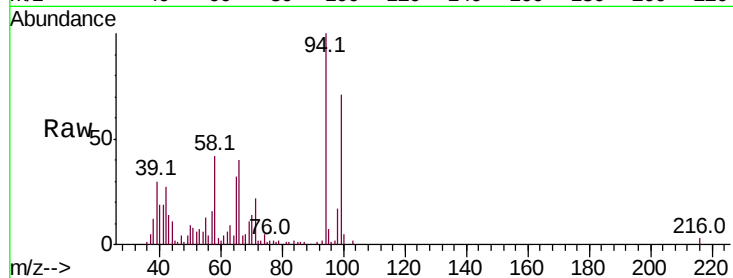
Tot Ion: 94 Resp: 37554

Ion Ratio Lower Upper

94 100

65 31.8 22.8 62.8

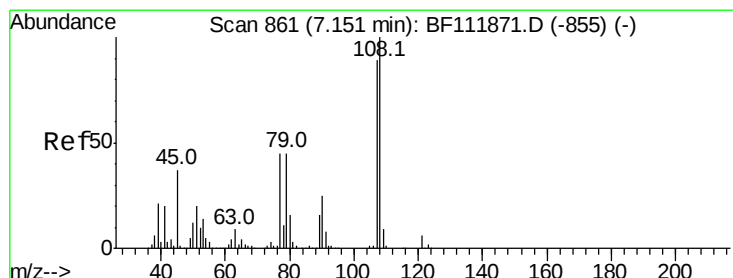
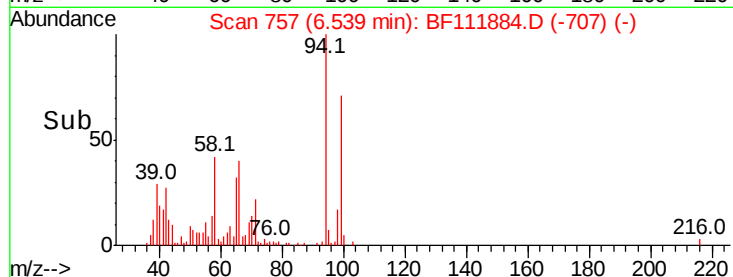
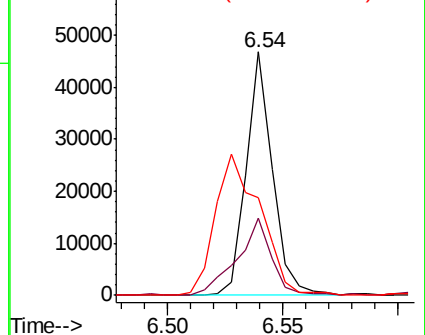
66 40.3 43.3 83.3#



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



#17

2-Methylphenol

Concen: 2.098 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

Tgt Ion:107 Resp: 15223

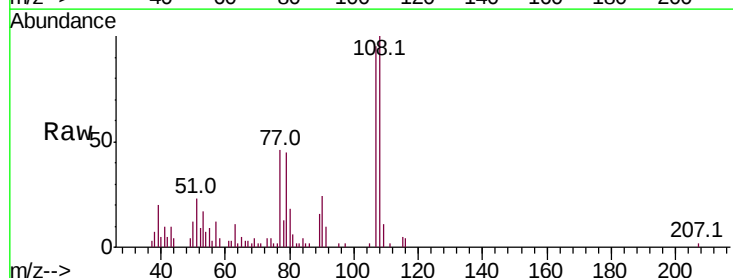
Ion Ratio Lower Upper

107 100

108 104.8 89.7 134.5

77 47.9 40.6 60.8

79 47.2 40.2 60.2

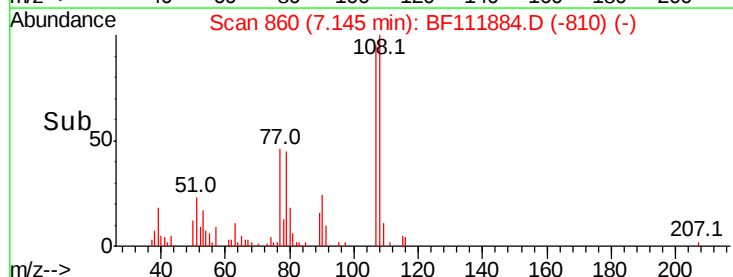
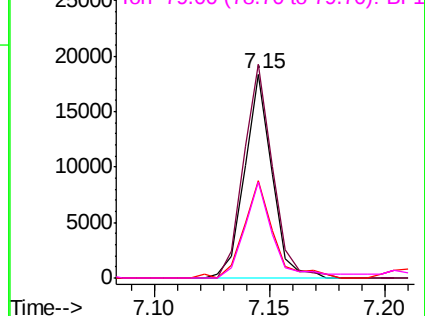


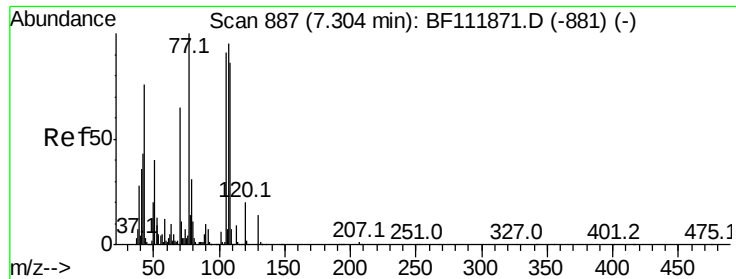
Abundance Ion 107.00 (106.70 to 107.70): E

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





#20

3+4-Methylphenols

Concen: 13.667 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF111884.D

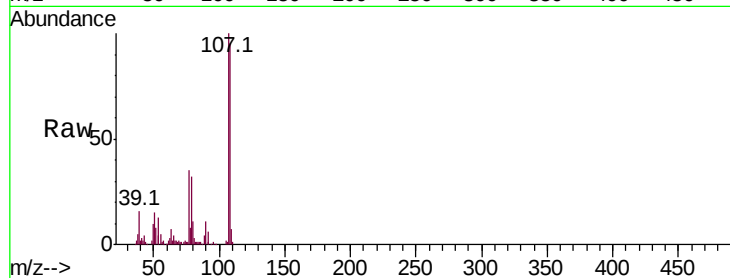
Acq: 7 Jan 2019 18:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	123420
Ion	Ratio	Lower	Upper
107	100		
108	95.0	71.1	111.1
77	35.4	85.4	125.4#
79	31.5	12.4	52.4



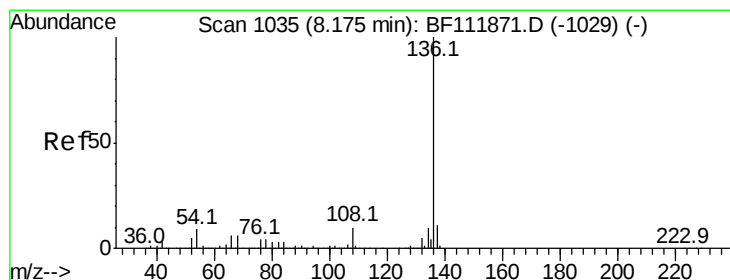
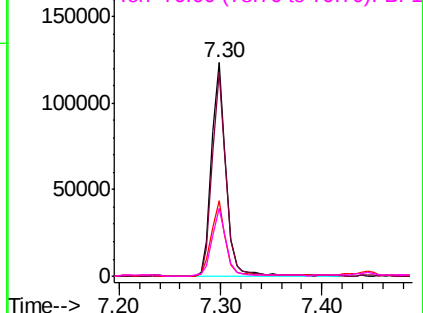
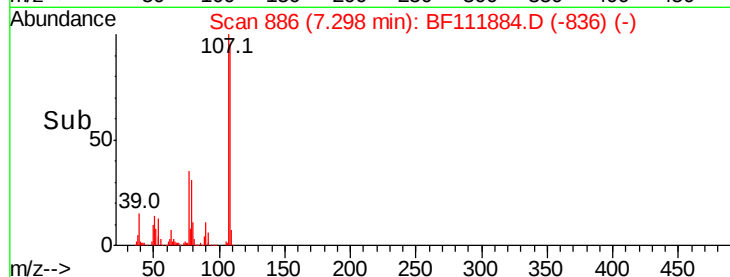
Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

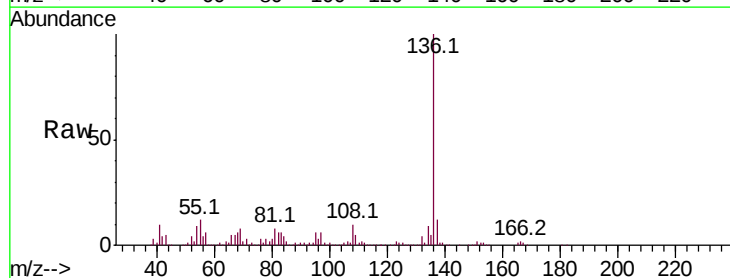
RT: 8.17 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

Tgt Ion:	136	Resp:	496695
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	8.6	7.2	10.8
68	6.4	4.4	6.6



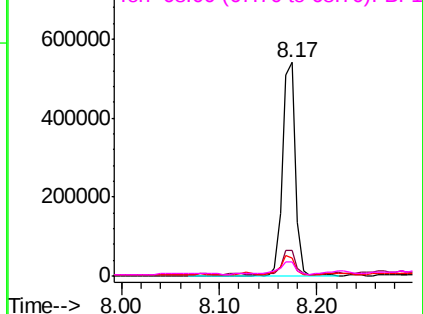
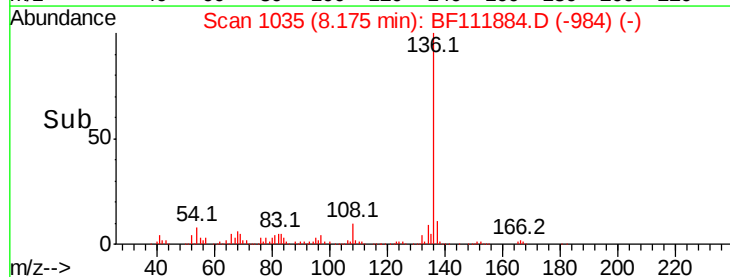
Abundance

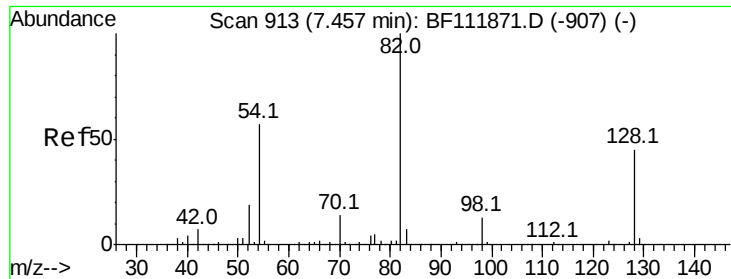
Ion 136.00 (135.70 to 136.70): E

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

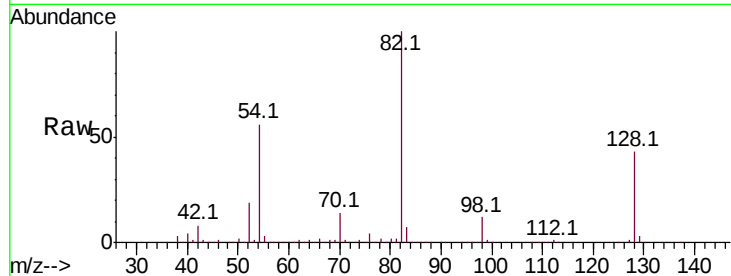




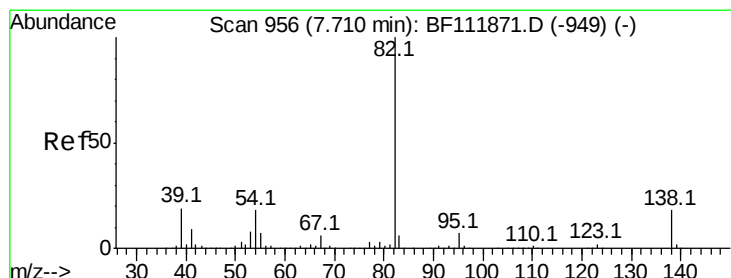
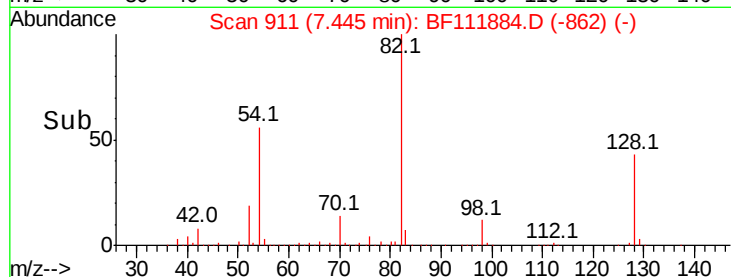
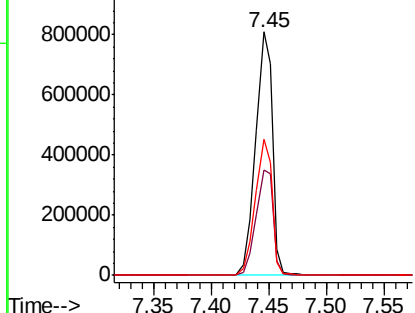
#23
Nitrobenzene-d5
Concen: 88.665 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 824011
Ion Ratio Lower Upper
82 100
128 43.3 35.7 53.5
54 56.1 45.8 68.8

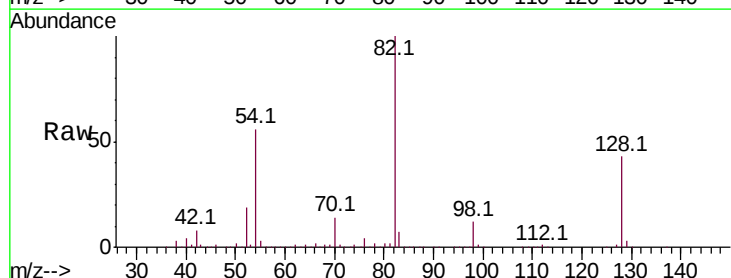


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

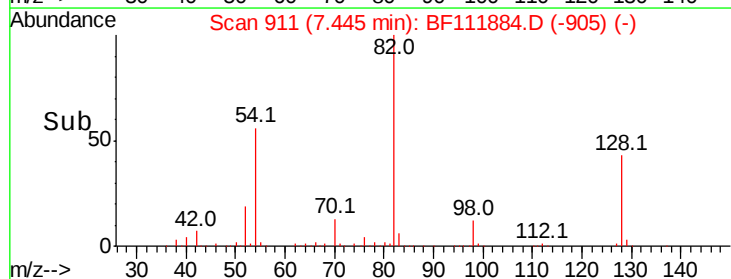
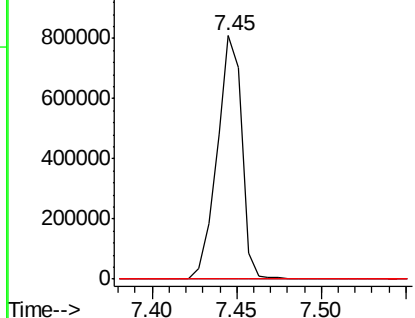


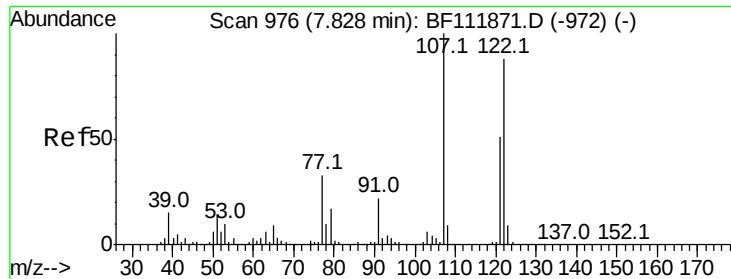
#25
Isophorone
Concen: 54.076 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Tgt Ion: 82 Resp: 813801
Ion Ratio Lower Upper
82 100
95 0.3 5.8 8.6#
138 0.0 14.4 21.6#



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

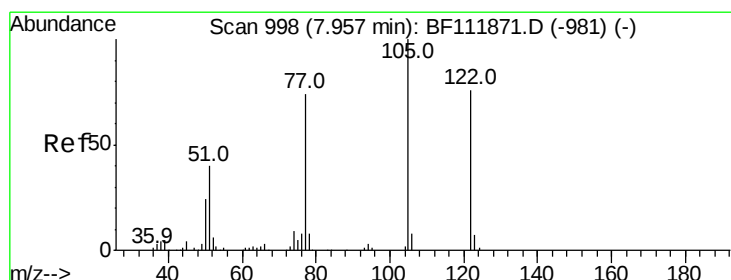
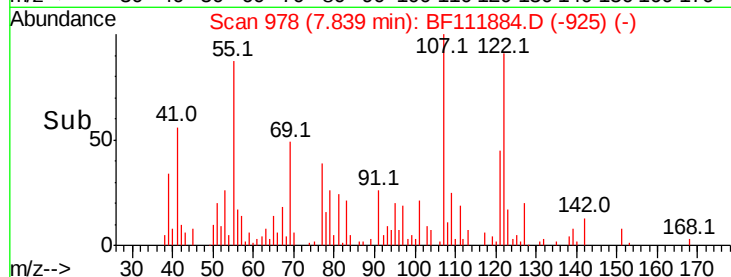
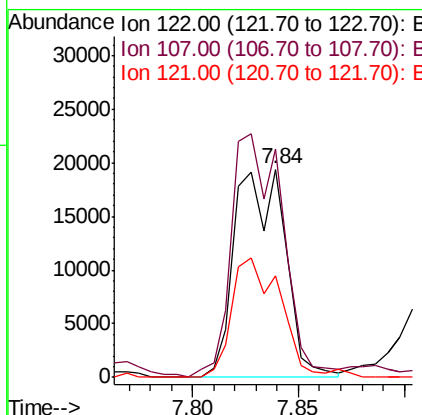
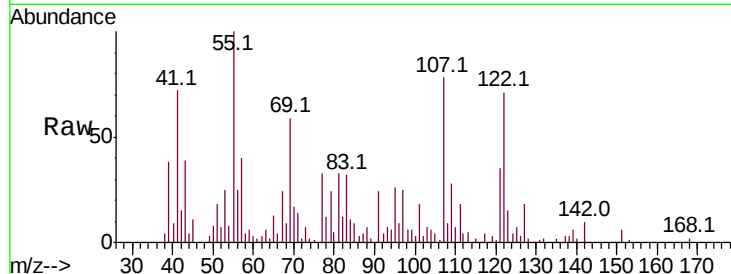




#27
2,4-Dimethylphenol
Concen: 4.738 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

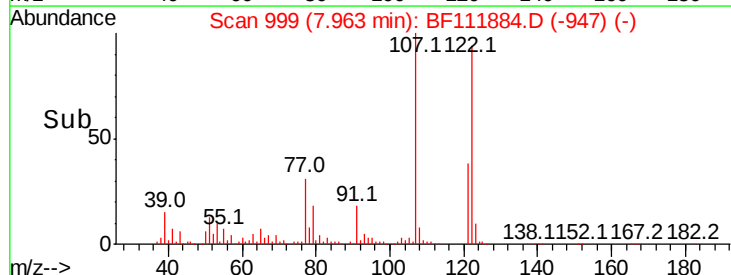
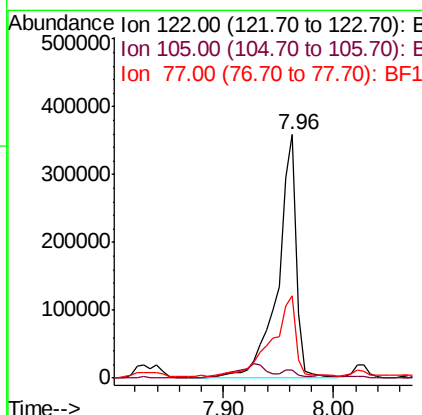
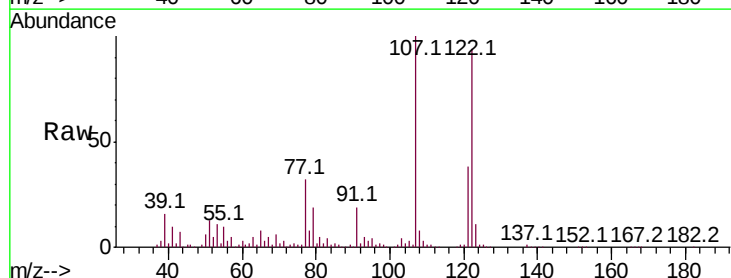
Instrument :
BNA_F
ClientSampled :

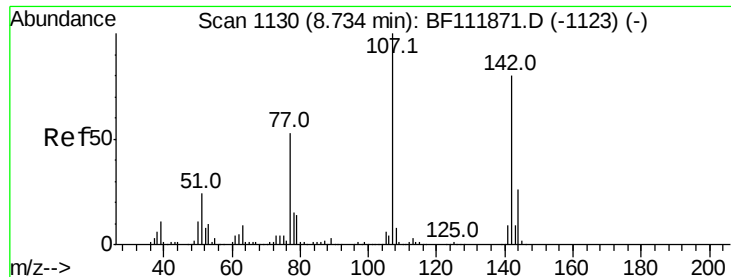
Tot Ion:122 Resp: 31711
Ion Ratio Lower Upper
122 100
107 109.6 91.0 136.6
121 48.9 46.8 70.2



#32
Benzoic acid
Concen: 97.008 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Tgt Ion:122 Resp: 421337
Ion Ratio Lower Upper
122 100
105 3.4 107.9 147.9#
77 33.7 76.6 116.6#

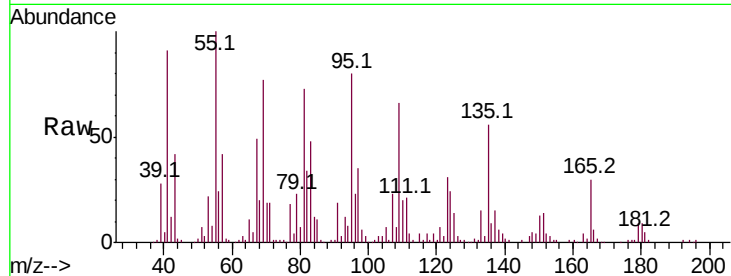




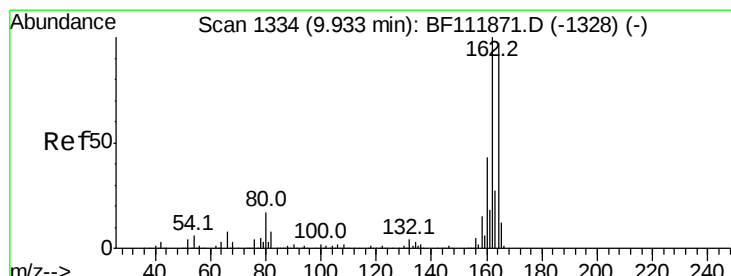
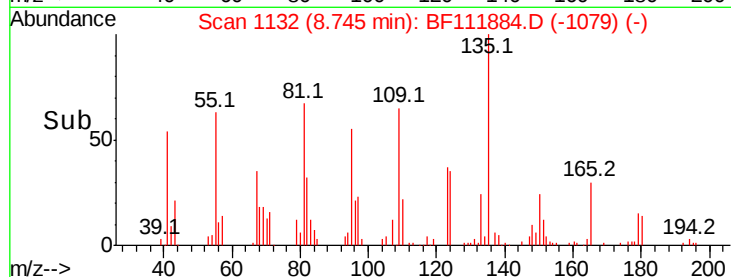
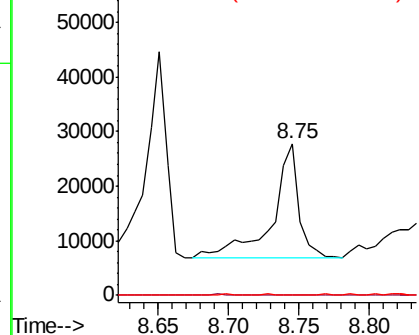
#36
4-Chloro-3-methylphenol
Concen: 3.655 ng
RT: 8.75 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 27972
Ion Ratio Lower Upper
107 100
144 0.0 20.7 31.1#
142 0.0 63.9 95.9#

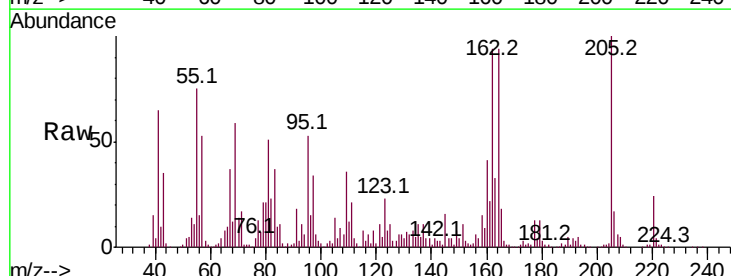


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

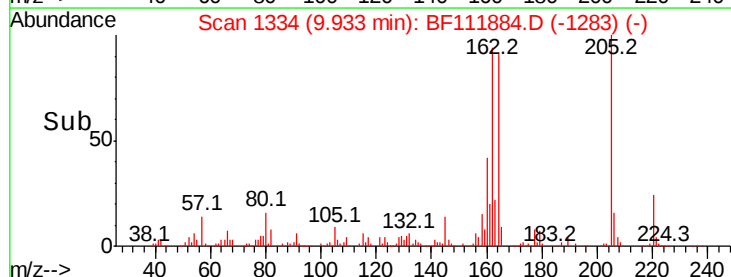
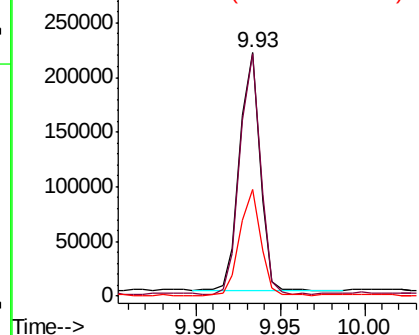


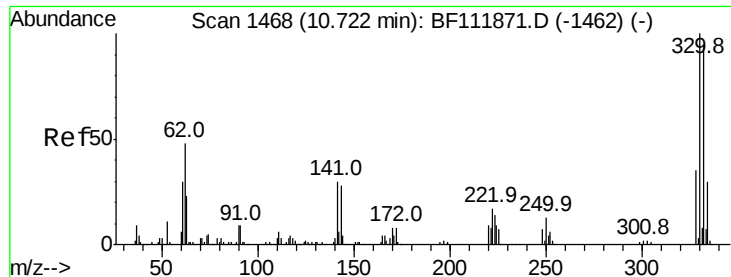
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Tgt Ion:164 Resp: 183488
Ion Ratio Lower Upper
164 100
162 99.5 82.2 123.2
160 44.0 35.5 53.3



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

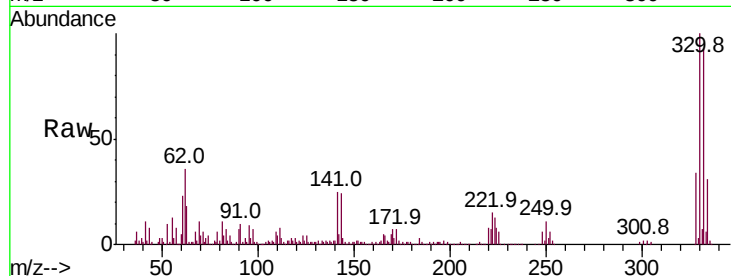




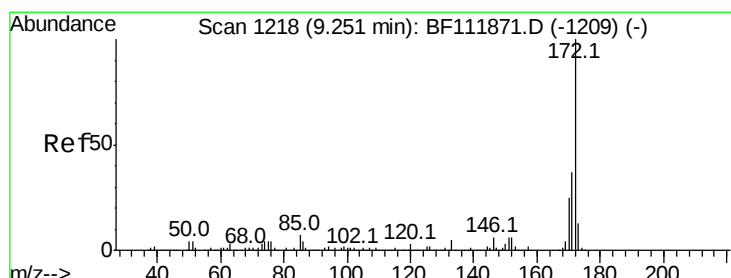
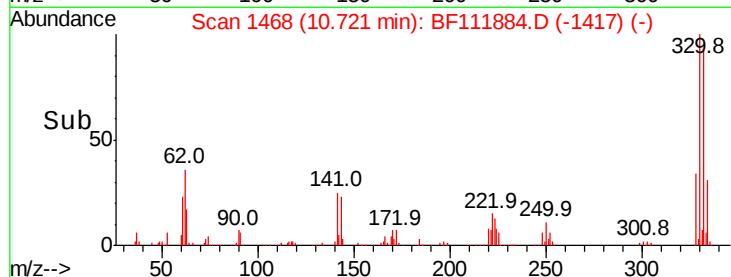
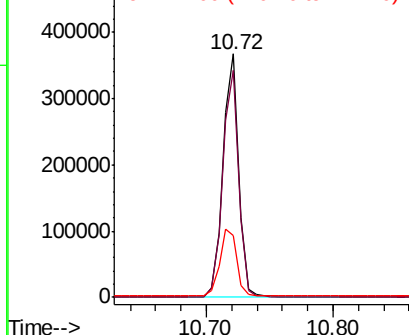
#42
 2,4,6-Tribromophenol
 Concen: 133.712 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111884.D
 Acq: 7 Jan 2019 18:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 319119
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.9 115.3
 141 29.5 23.7 35.5

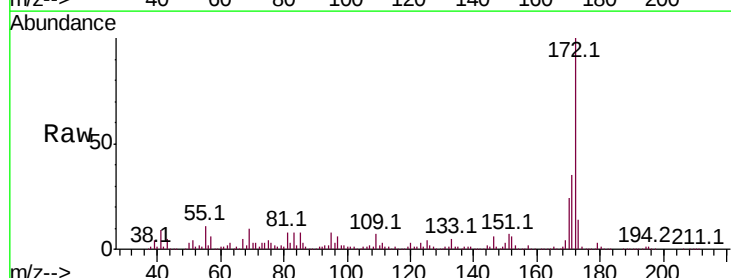


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

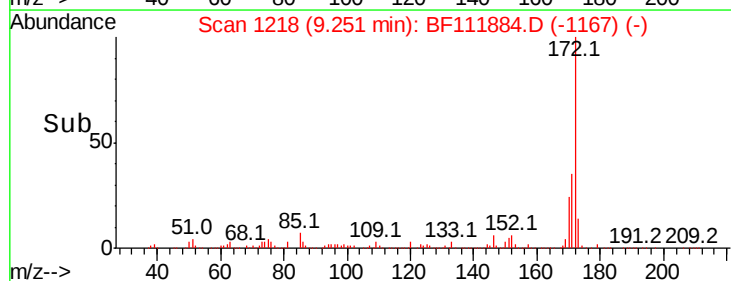
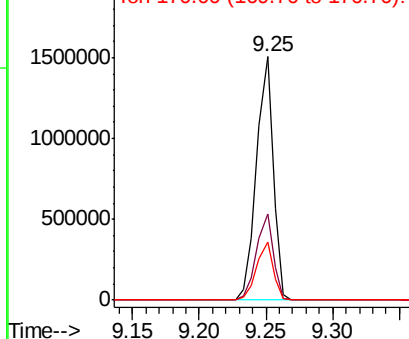


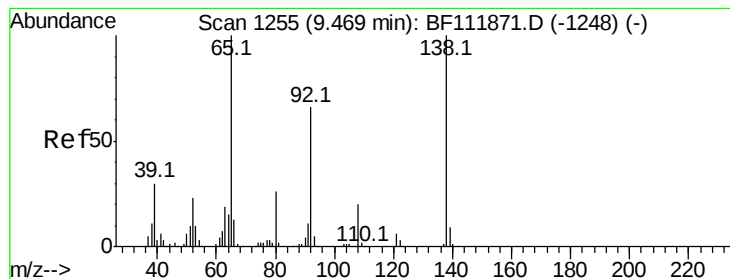
#45
 2-Fluorobiphenyl
 Concen: 102.682 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF111884.D
 Acq: 7 Jan 2019 18:48

Tgt Ion:172 Resp: 1292070
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.7 19.8 29.8



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





#48

2-Nitroaniline

Concen: 2.470 ng

RT: 9.48 min Scan# 1257

Delta R.T. 0.01 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

Instrument :

BNA_F

ClientSampled :

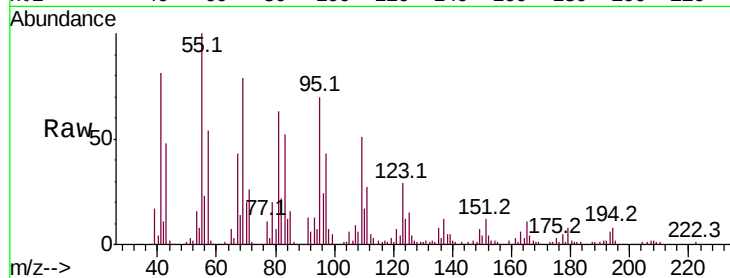
Tot Ion: 65 Resp: 9096

Ion Ratio Lower Upper

65 100

92 80.1 52.5 78.7#

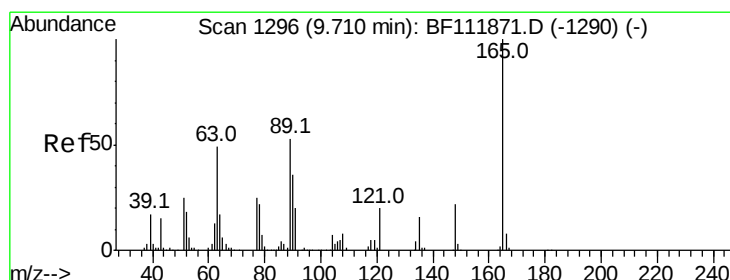
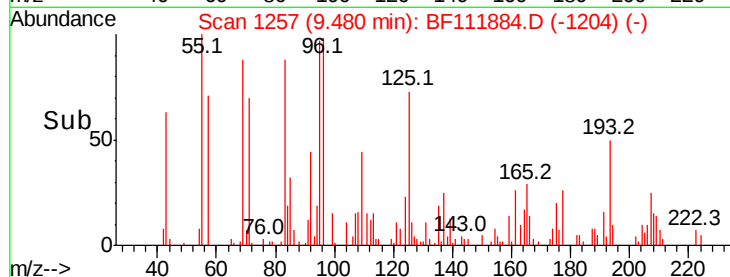
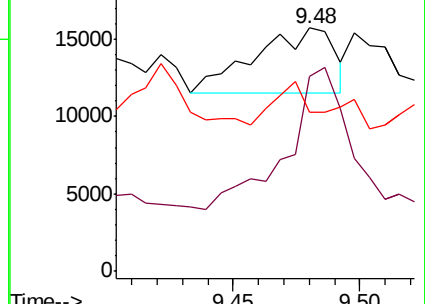
138 65.3 79.8 119.6#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#51

2,6-Dinitrotoluene

Concen: 6.127 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

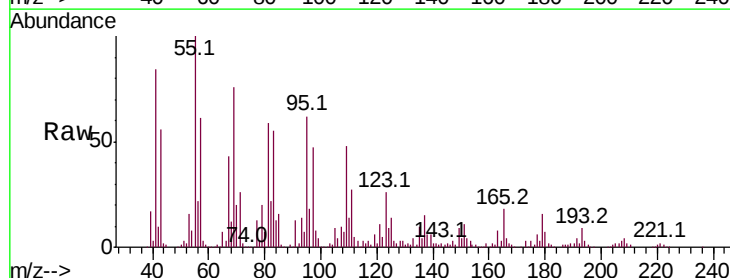
Tgt Ion:165 Resp: 18884

Ion Ratio Lower Upper

165 100

63 5.2 46.2 69.2#

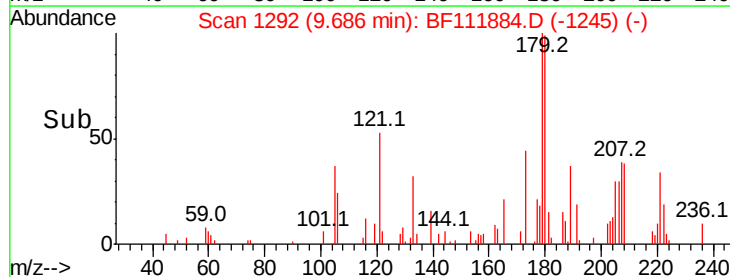
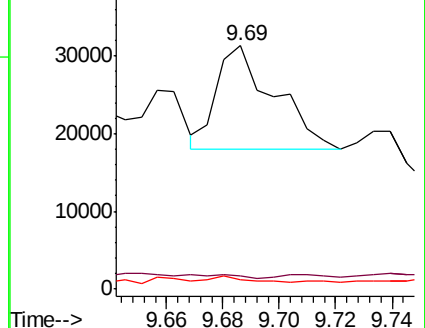
89 3.9 42.2 63.2#

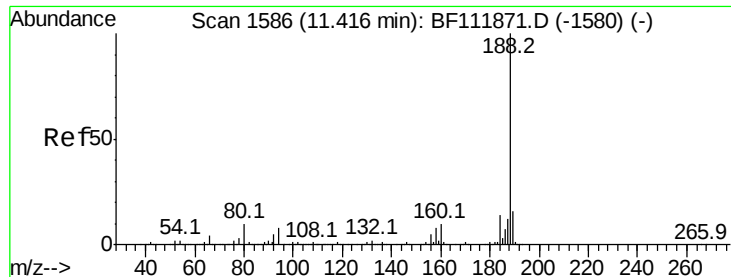


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

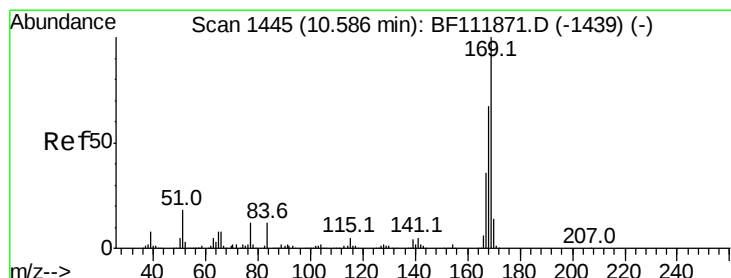
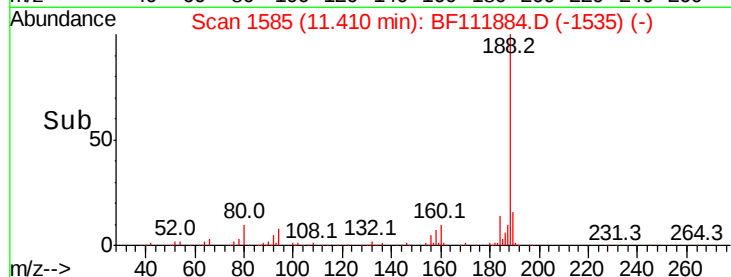
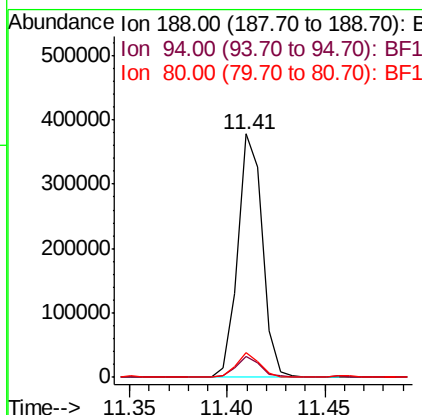
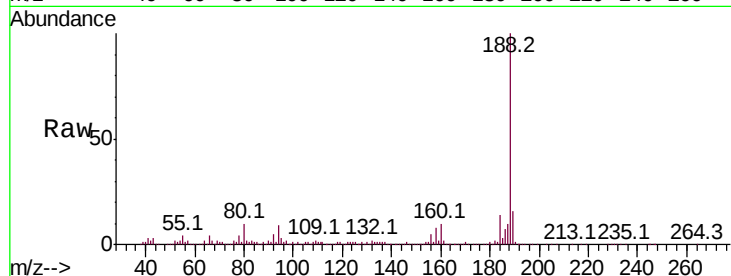




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

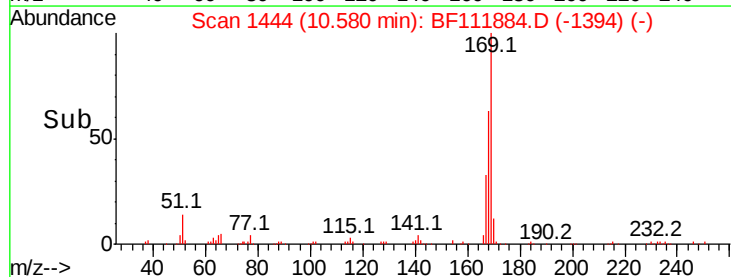
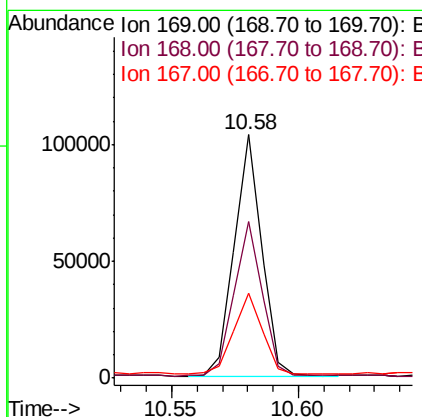
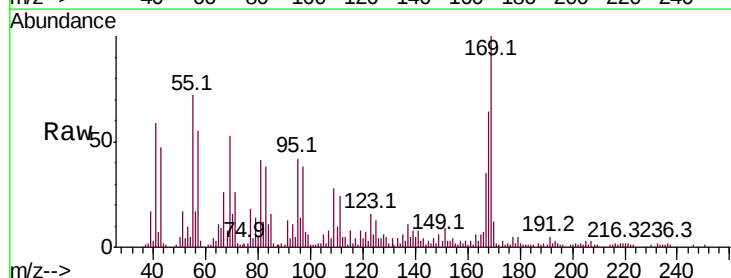
Instrument :
BNA_F
ClientSampled :

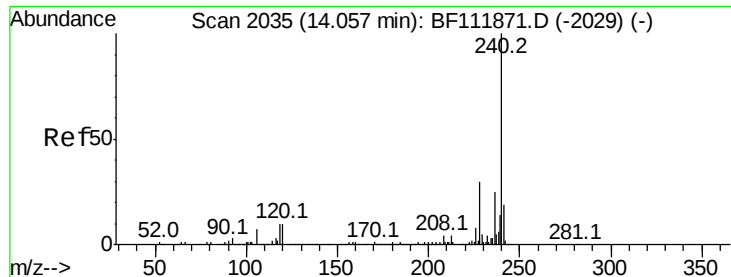
Tot Ion:188 Resp: 330631
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 10.0 7.7 11.5



#66
n-Nitrosodiphenylamine
Concen: 7.017 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF111884.D
Acq: 7 Jan 2019 18:48

Tgt Ion:169 Resp: 77858
Ion Ratio Lower Upper
169 100
168 64.2 53.8 80.6
167 34.7 29.1 43.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

Instrument :

BNA_F

ClientSampleId :

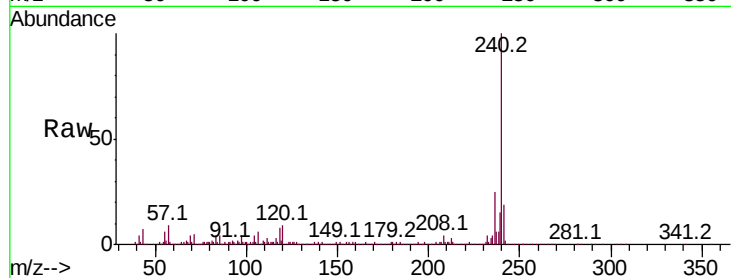
Tot Ion:240 Resp: 349437

Ion Ratio Lower Upper

240 100

120 9.2 8.2 12.2

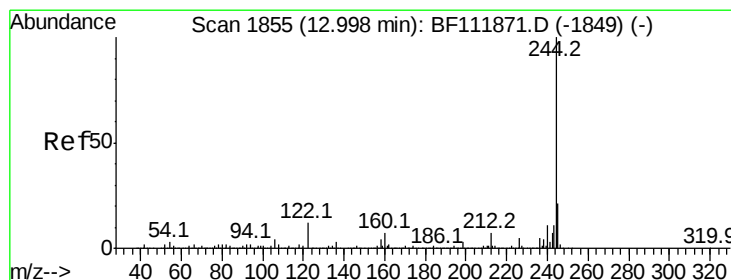
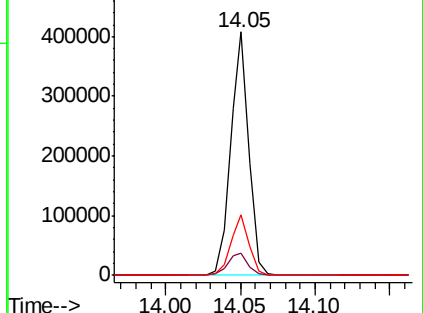
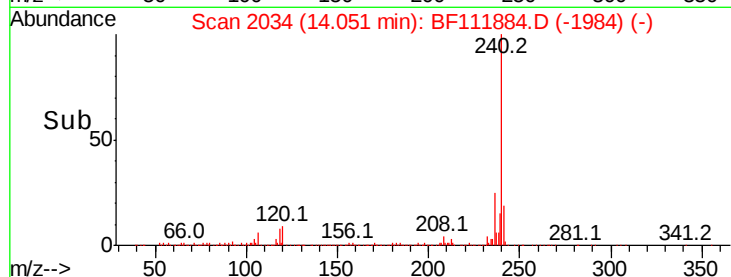
236 25.1 20.2 30.4



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



#79

Terphenyl-d14

Concen: 64.851 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111884.D

Acq: 7 Jan 2019 18:48

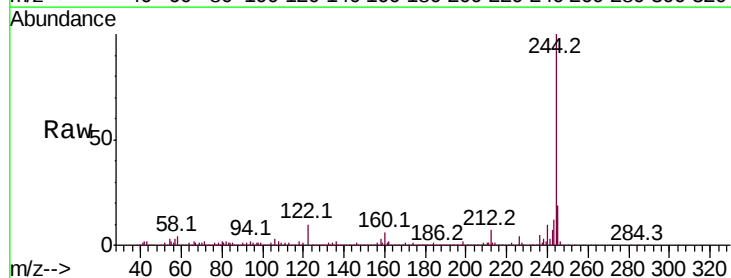
Tgt Ion:244 Resp: 1193815

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

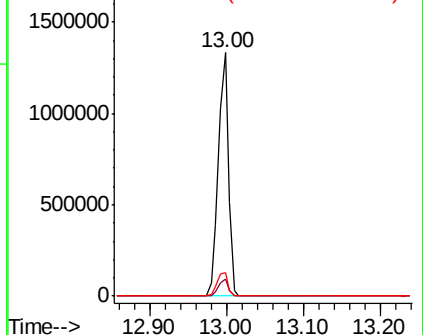
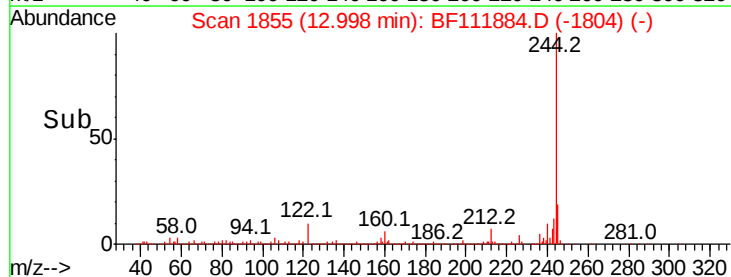
122 9.7 9.5 14.3

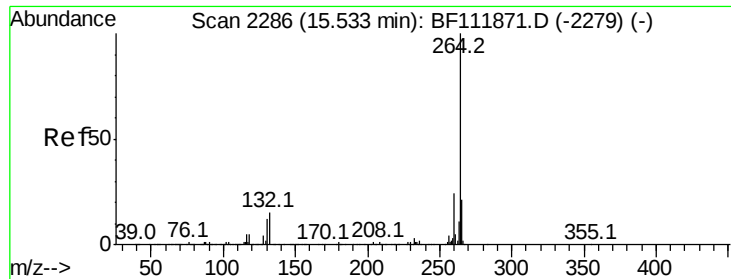


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

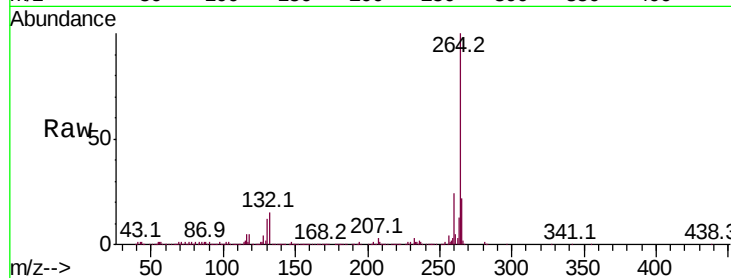




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BF111884.D
 Acq: 7 Jan 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.8	17.1	25.7



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

