

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022219\
 Data File : BF112670.D
 Acq On : 22 Feb 2019 17:56
 Operator : JU/SJ
 Sample : K1570-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 50-25

Quant Time: Feb 22 22:14:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	83079	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	325553	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	158506	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	295971	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	183187	20.00	ng	-0.03
87) Perylene-d12	15.44	264	160578	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	188266	48.13	ng	-0.02
7) Phenol-d6	6.48	99	143516	26.41	ng	-0.01
23) Nitrobenzene-d5	7.38	82	554304	98.11	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	181219	98.22	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1097749	97.95	ng	-0.04
79) Terphenyl-d14	12.92	244	863959	88.83	ng	-0.04

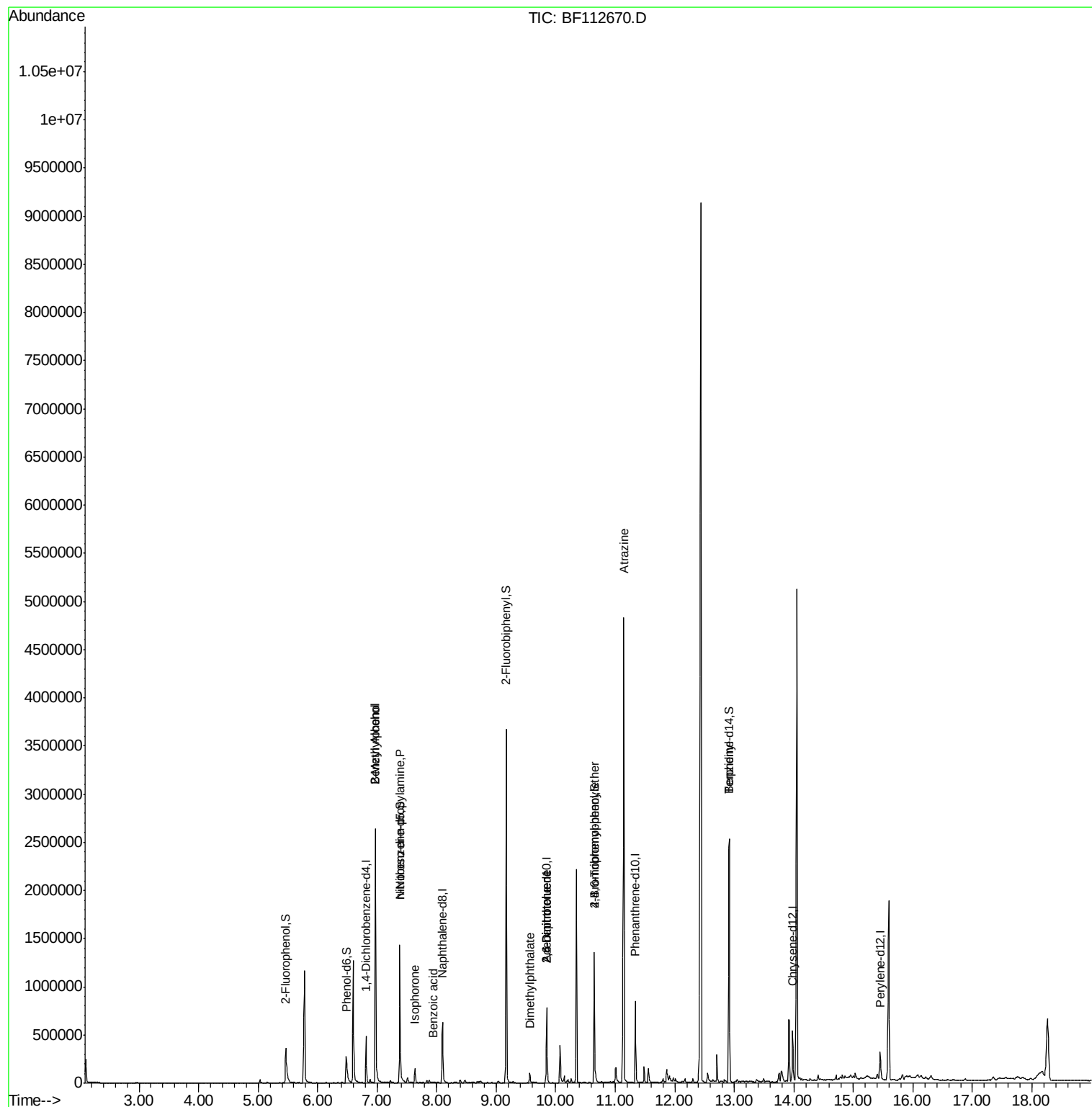
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.97	79	161677	35.289	ng	94
17) 2-Methylphenol	6.97	107	81930	19.642	ng	# 6
19) n-Nitroso-di-n-propylamine	7.38	70	76183	20.328	ng	# 81
25) Isophorone	7.63	82	63328	7.145	ng	99
32) Benzoic acid	7.94	122	5251	2.216	ng	97
50) Dimethylphthalate	9.56	163	39365	3.196	ng	98
51) 2,6-Dinitrotoluene	9.85	165	20141	7.302	ng	# 35
57) 2,4-Dinitrotoluene	9.85	165	20141	5.736	ng	# 33
67) 4-Bromophenyl-phenylether	10.65	248	10821	3.109	ng	# 1
69) Atrazine	11.15	200	21084	6.551	ng	# 38
77) Benzydine	12.92	184	12514	2.482	ng	95

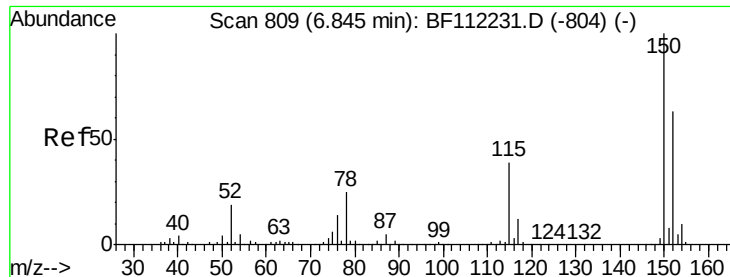
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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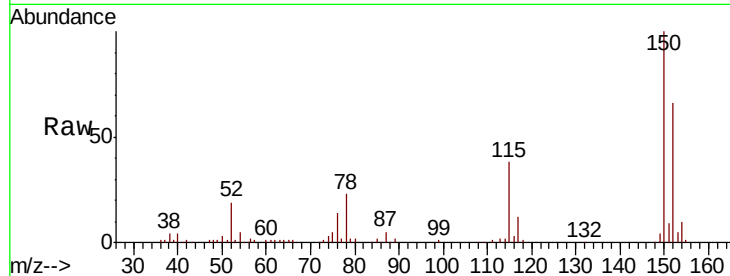


#1

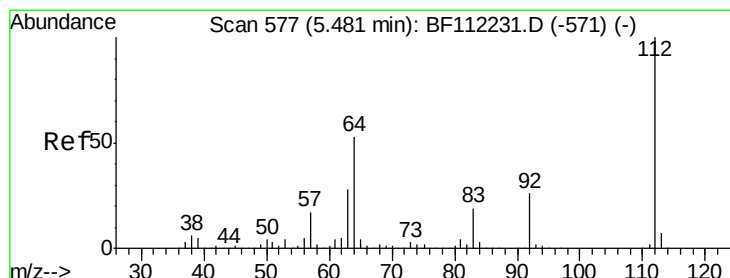
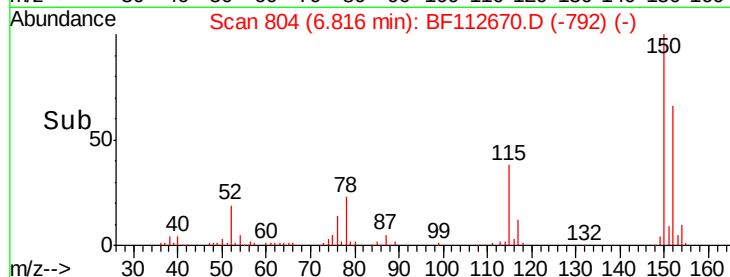
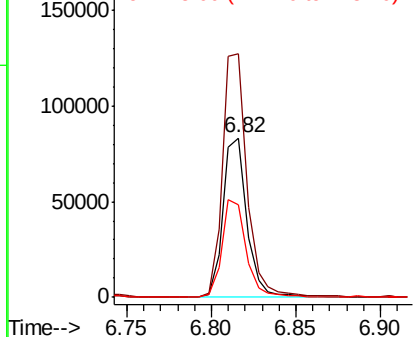
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF112670.D
 Acq: 22 Feb 2019 17:56

Instrument :
 BNA_F
 ClientSampleId :
 50-25

Tgt Ion:152 Resp: 83079
 Ion Ratio Lower Upper
 152 100
 150 152.5 127.4 191.0
 115 58.3 45.5 68.3



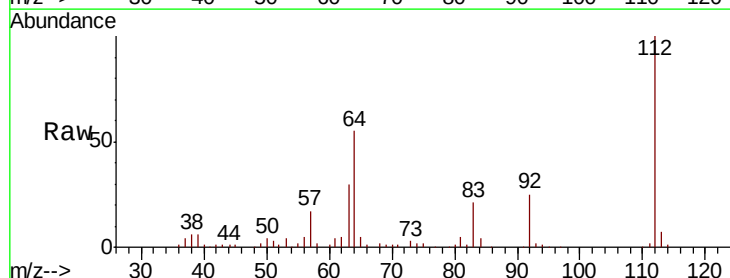
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



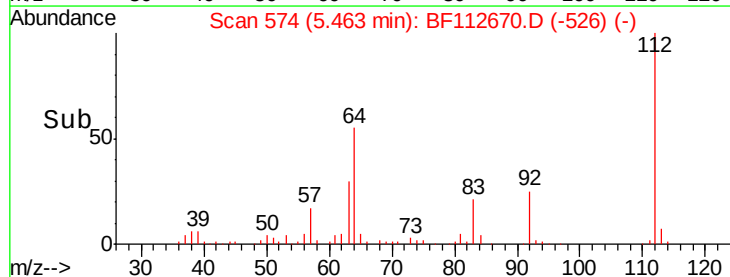
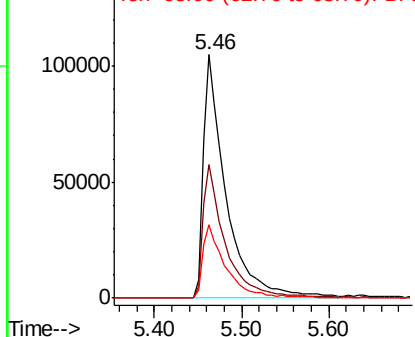
#5

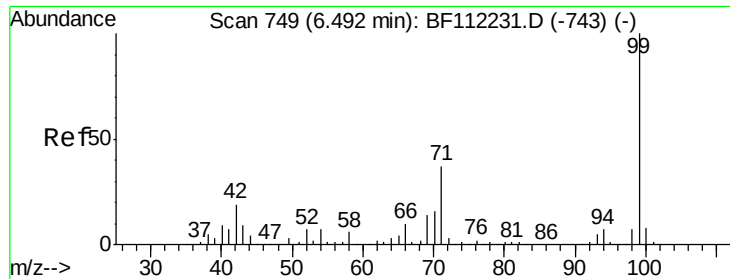
2-Fluorophenol
 Concen: 48.134 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112670.D
 Acq: 22 Feb 2019 17:56

Tgt Ion:112 Resp: 188266
 Ion Ratio Lower Upper
 112 100
 64 55.0 45.7 68.5
 63 30.3 23.6 35.4



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: 26.406 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

Instrument :

BNA_F

ClientSampleId :

50-25

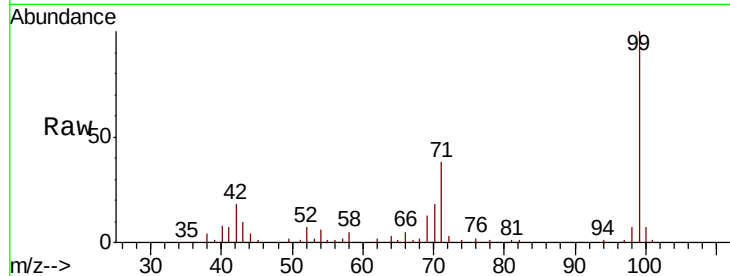
Tgt Ion: 99 Resp: 143516

Ion Ratio Lower Upper

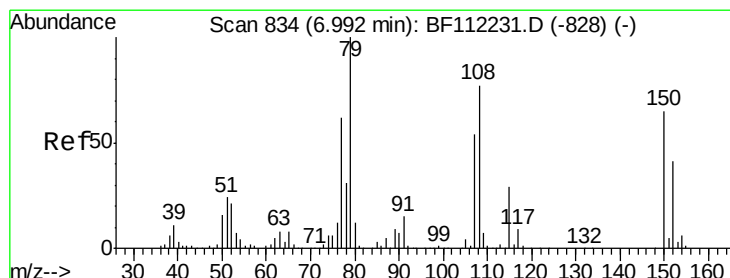
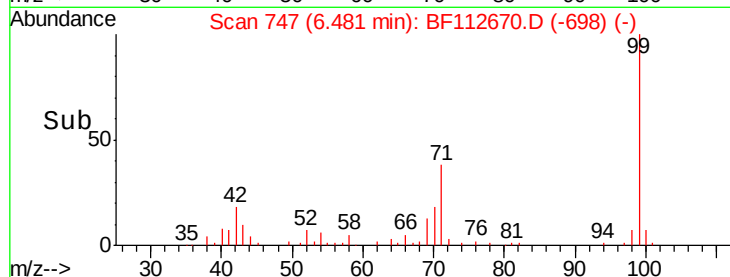
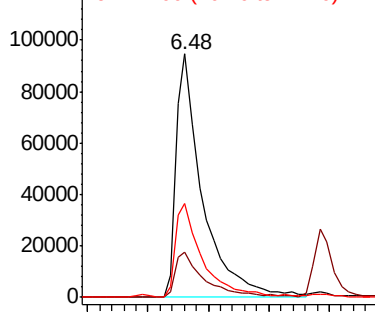
99 100

42 18.4 15.1 22.7

71 38.3 26.9 40.3



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



#15

Benzyl Alcohol

Concen: 35.289 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

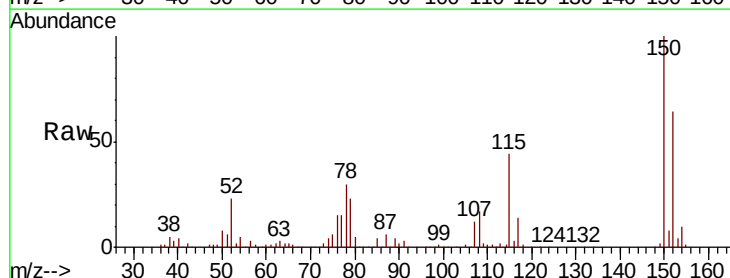
Tgt Ion: 79 Resp: 161677

Ion Ratio Lower Upper

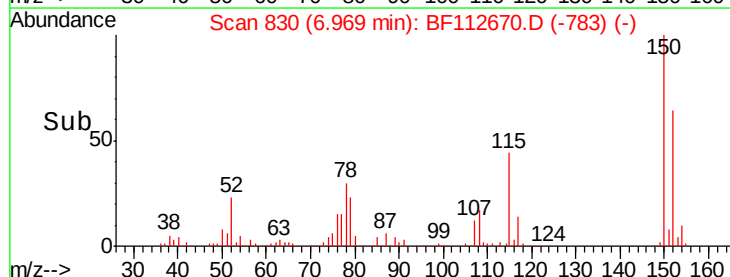
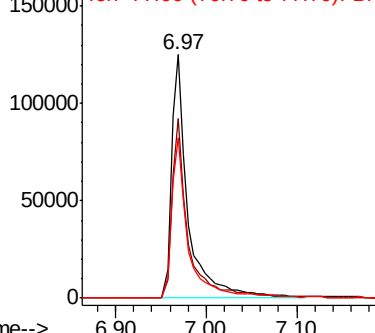
79 100

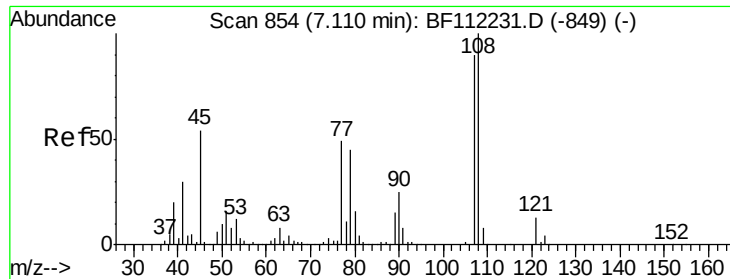
108 73.9 64.2 96.2

77 65.6 50.3 75.5



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

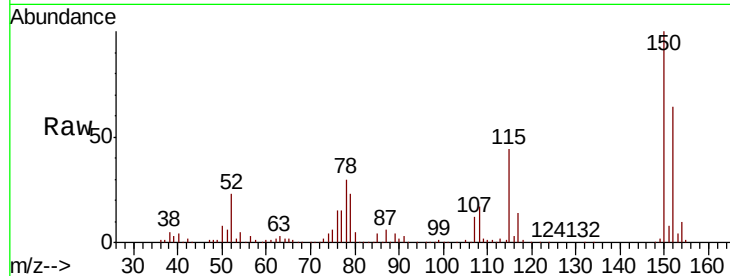




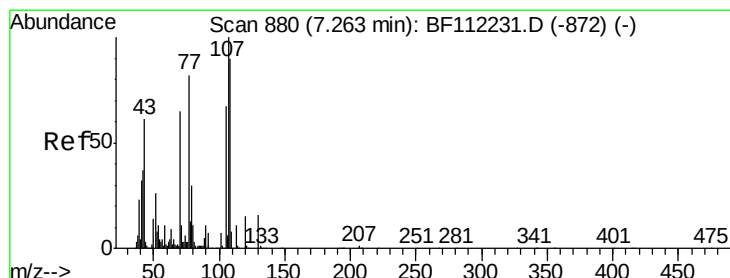
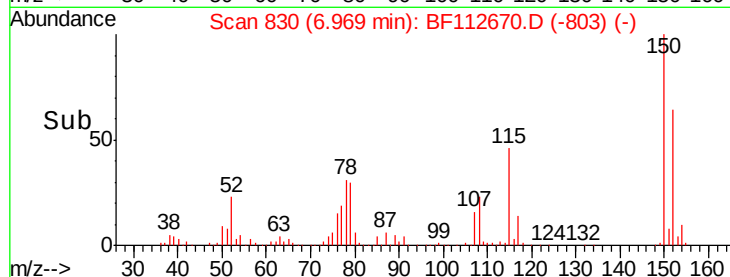
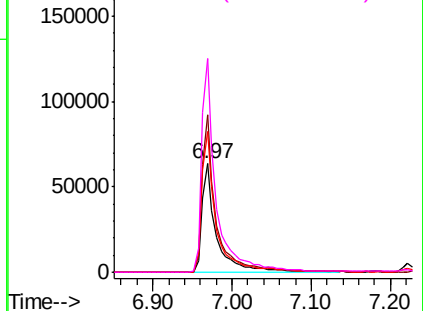
#17
2-Methylphenol
Concen: 19.642 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.14 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

Instrument :
BNA_F
ClientSampleId :
50-25

Tgt Ion: 107 Resp: 81930
Ion Ratio Lower Upper
107 100
108 145.7 91.3 136.9#
77 129.4 39.0 58.6#
79 197.2 37.0 55.4#

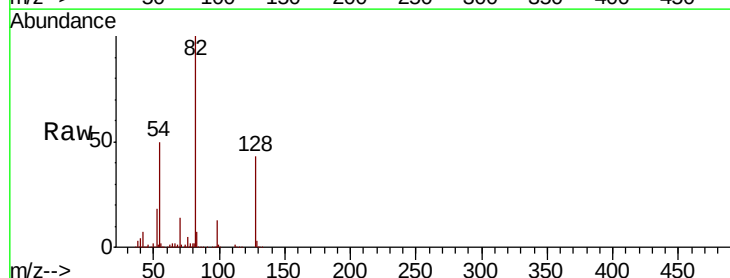


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

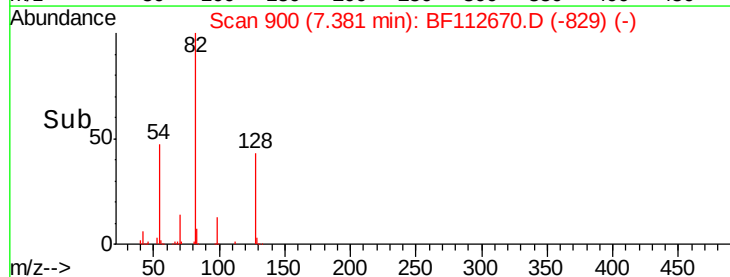
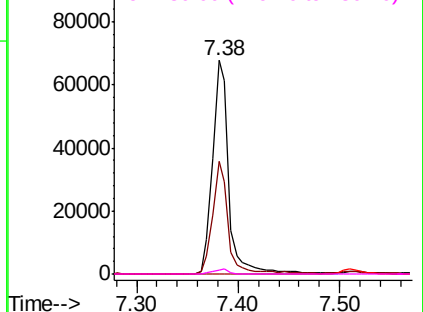


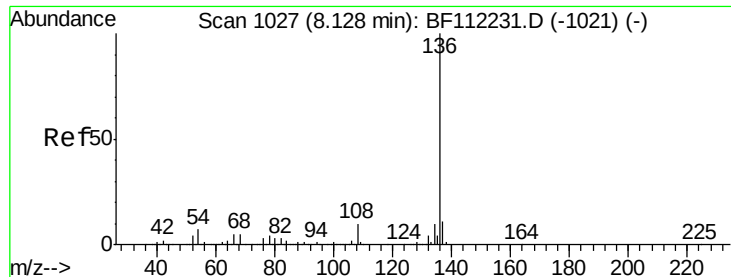
#19
n-Nitroso-di-n-propylamine
Concen: 20.328 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.12 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

Tgt Ion: 70 Resp: 76183
Ion Ratio Lower Upper
70 100
42 52.7 47.6 71.4
101 0.0 7.9 11.9#
130 2.1 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

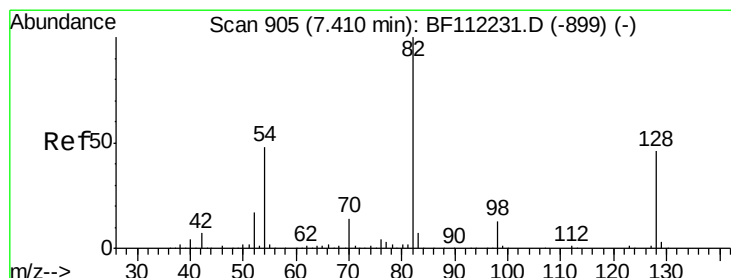
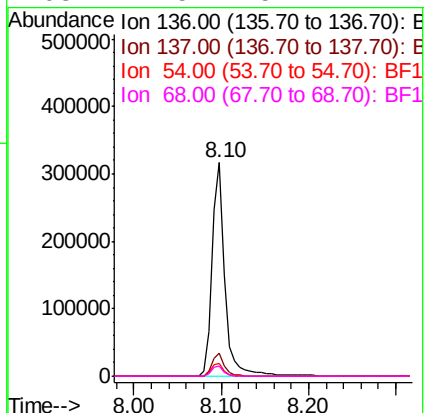
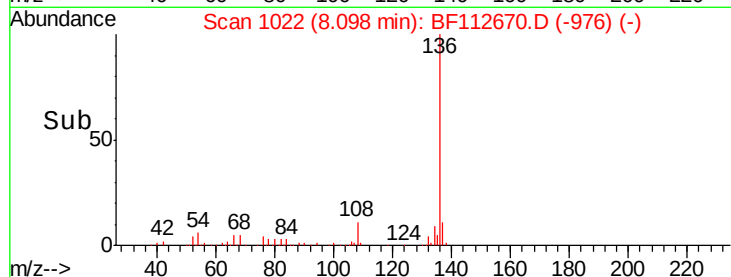
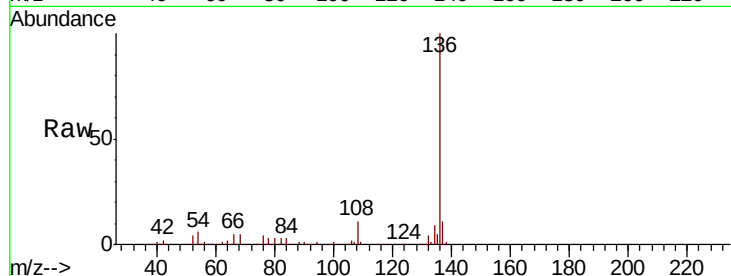




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

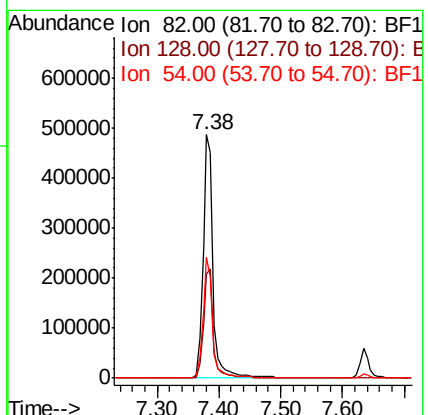
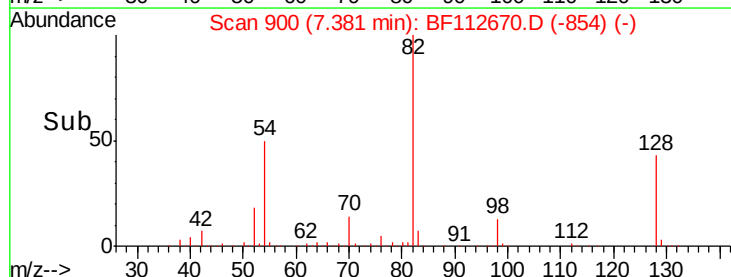
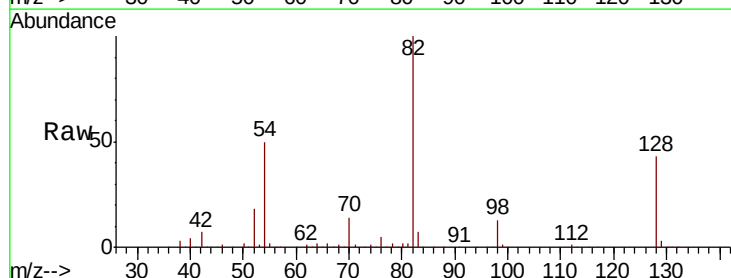
Instrument :
BNA_F
ClientSampled :
50-25

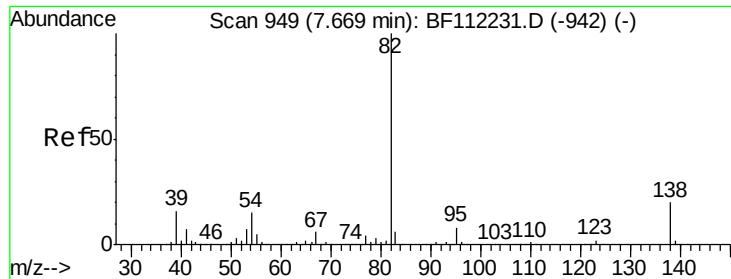
Tgt Ion:	136	Resp:	325553
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.0	5.9	8.9
68	4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 98.107 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

Tgt Ion:	82	Resp:	554304
Ion	Ratio	Lower	Upper
82	100		
128	43.0	37.8	56.8
54	49.6	39.7	59.5

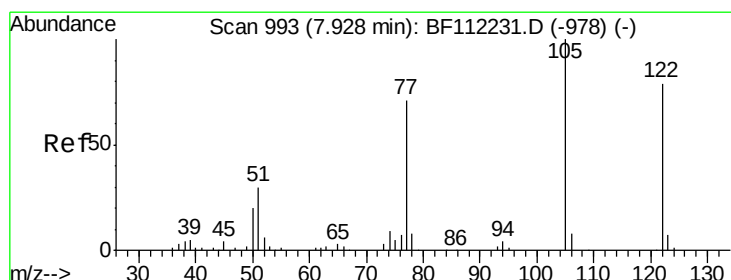
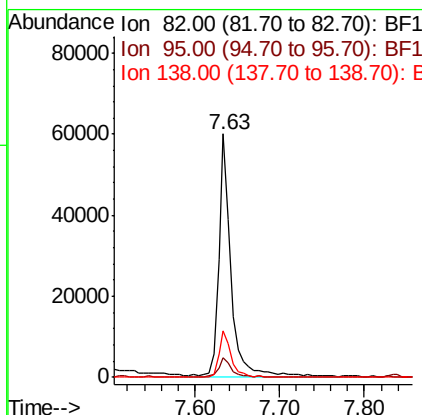
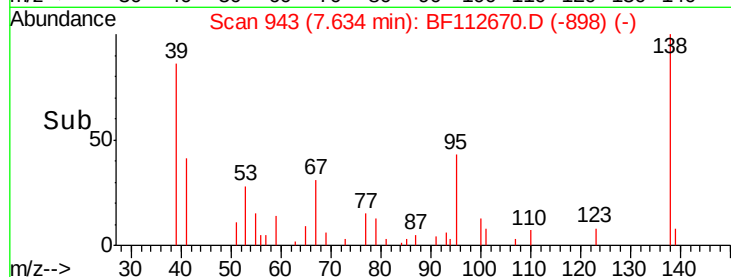
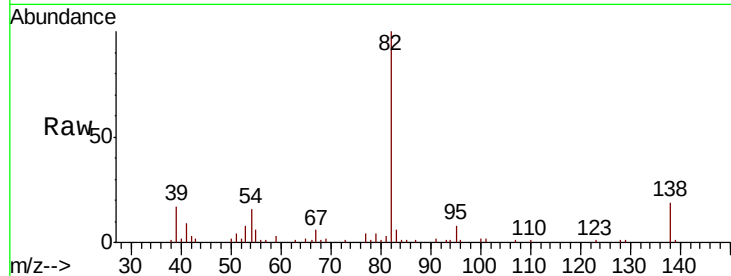




#25
Isophorone
Concen: 7.145 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.04 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

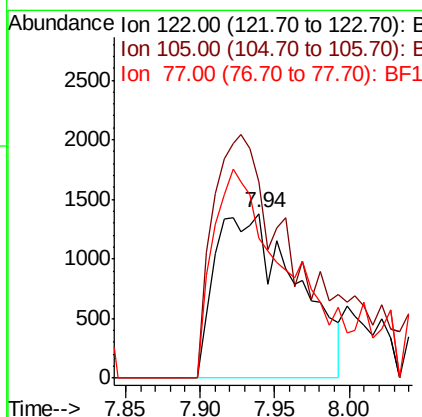
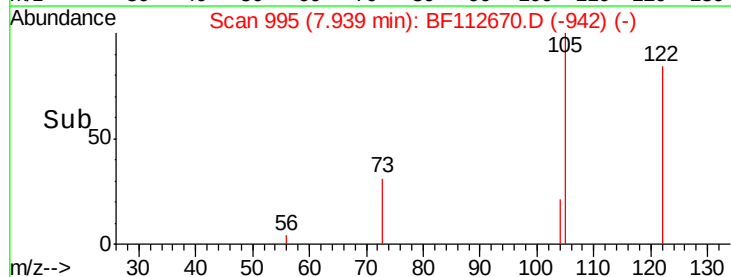
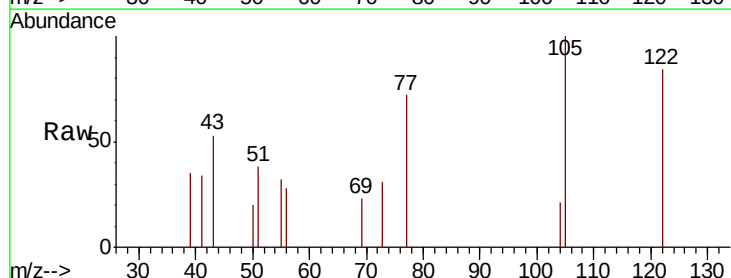
Instrument :
BNA_F
ClientSampleId :
50-25

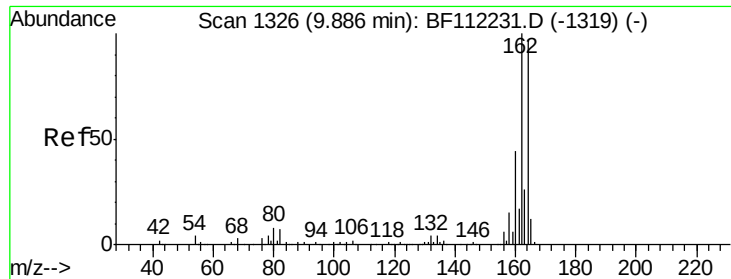
Tgt Ion: 82 Resp: 63328
Ion Ratio Lower Upper
82 100
95 8.1 5.7 8.5
138 18.9 15.4 23.0



#32
Benzoic acid
Concen: 2.216 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

Tgt Ion: 122 Resp: 5251
Ion Ratio Lower Upper
122 100
105 119.0 101.2 141.2
77 85.3 70.4 110.4

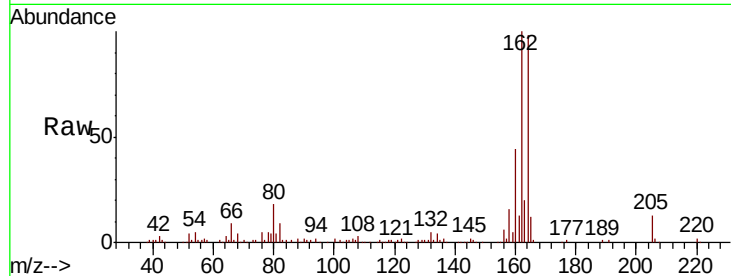




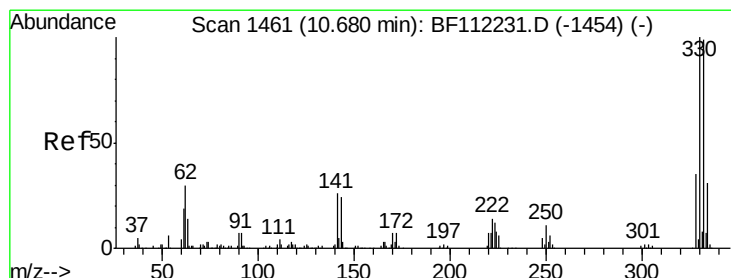
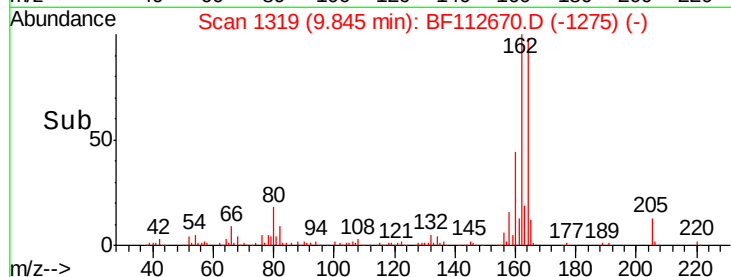
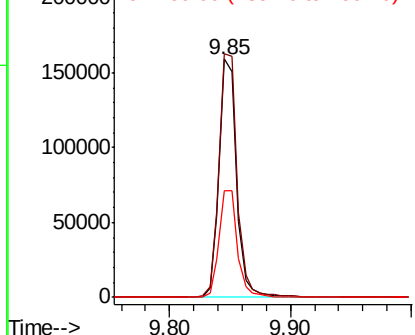
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.04 min
 Lab File: BF112670.D
 Acq: 22 Feb 2019 17:56

Instrument :
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 ClientSampleId :
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Tgt Ion:164 Resp: 158506
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.2 123.4
 160 44.6 36.2 54.4

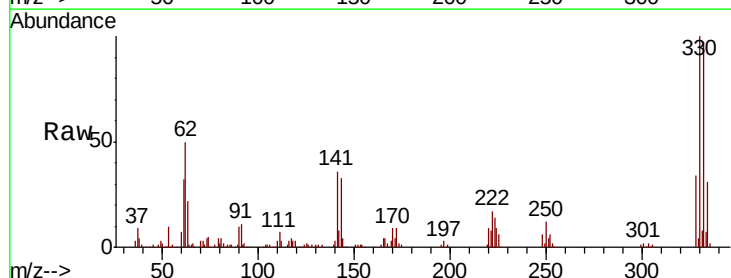


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

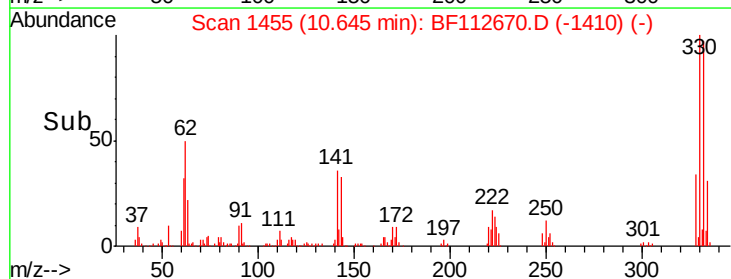
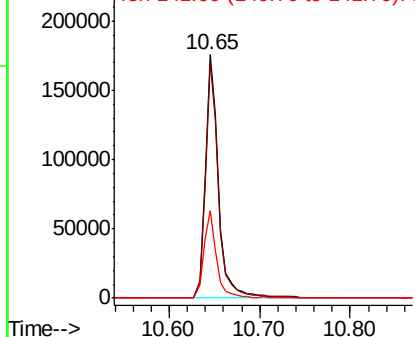


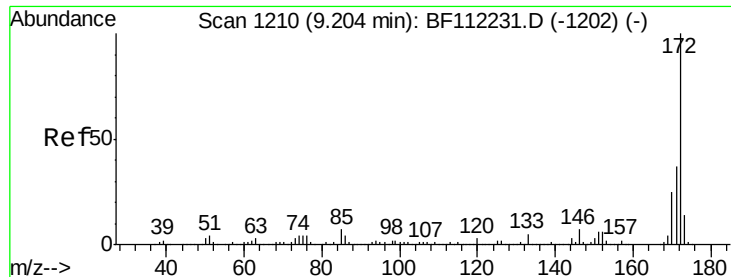
#42
 2,4,6-Tribromophenol
 Concen: 98.224 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.04 min
 Lab File: BF112670.D
 Acq: 22 Feb 2019 17:56

Tgt Ion:330 Resp: 181219
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 34.9 24.3 36.5



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

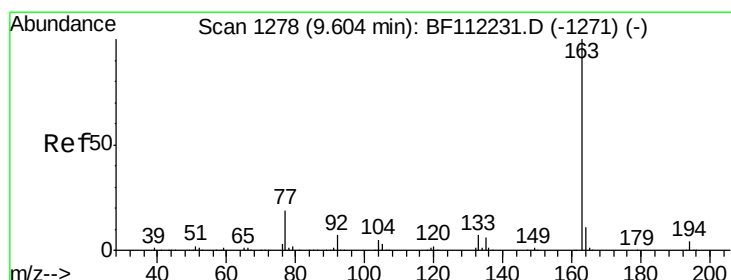
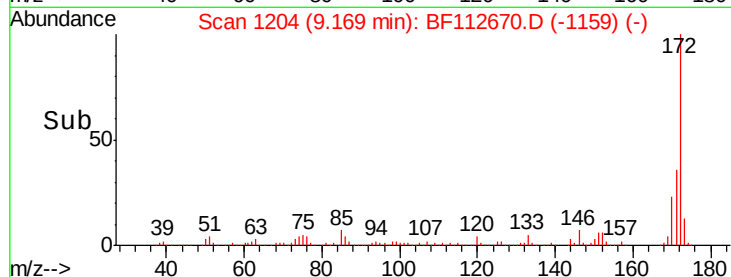
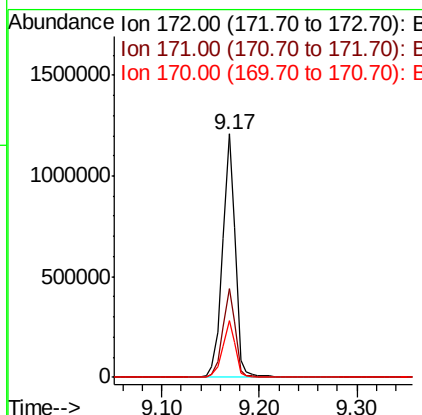
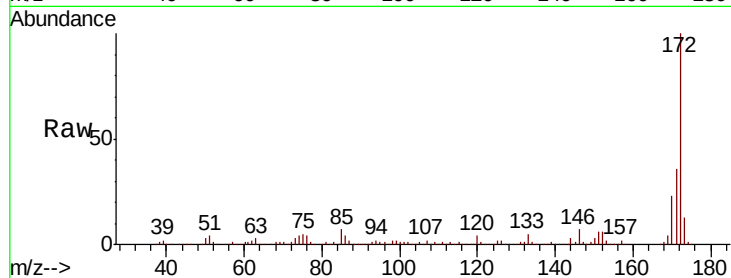




#45
 2-Fluorobiphenyl
 Concen: 97.951 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF112670.D
 Acq: 22 Feb 2019 17:56

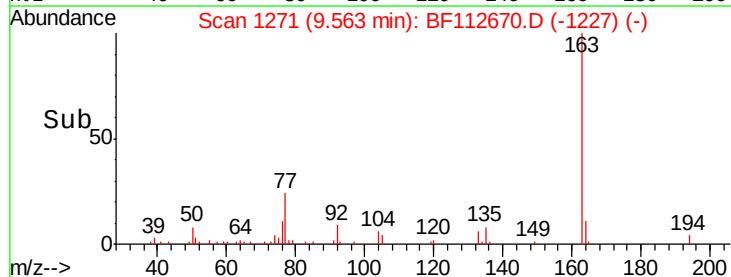
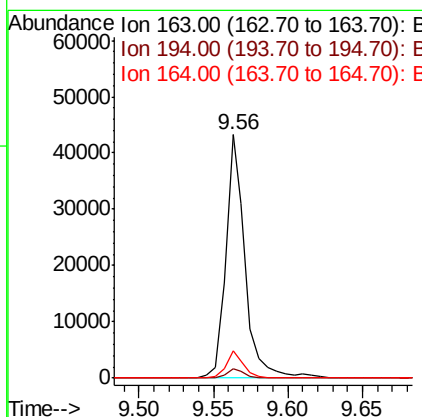
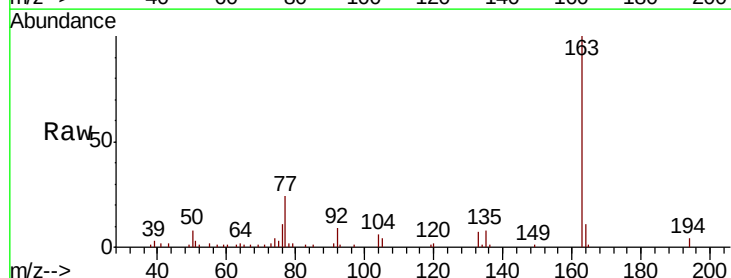
Instrument :
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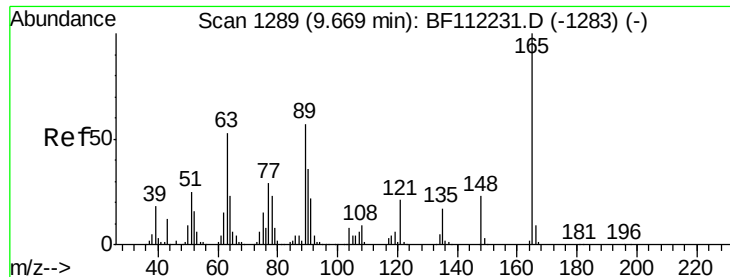
Tgt Ion:172 Resp: 1097749
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.5 45.7
 170 23.5 20.2 30.4



#50
 Dimethylphthalate
 Concen: 3.196 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.04 min
 Lab File: BF112670.D
 Acq: 22 Feb 2019 17:56

Tgt Ion:163 Resp: 39365
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.3 4.9
 164 11.4 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 7.302 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.18 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

Instrument :

BNA_F

ClientSampled :

50-25

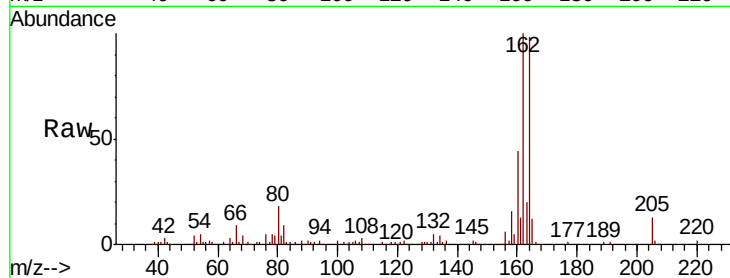
Tgt Ion:165 Resp: 20141

Ion Ratio Lower Upper

165 100

63 2.6 33.8 50.8#

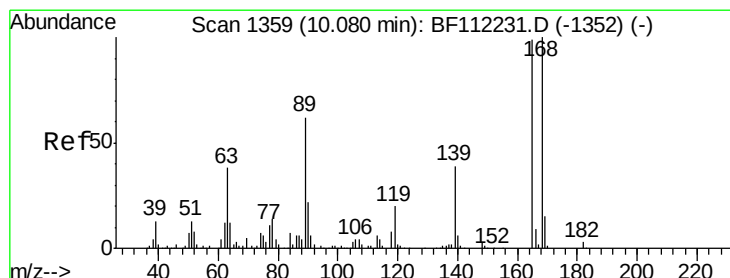
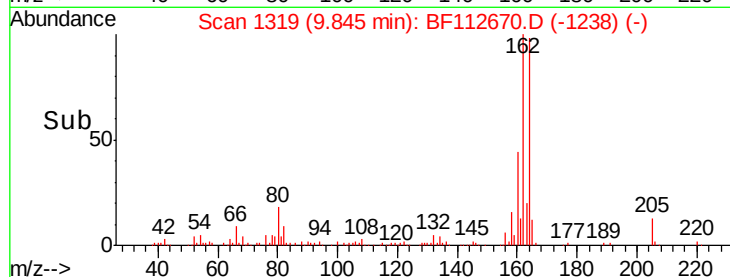
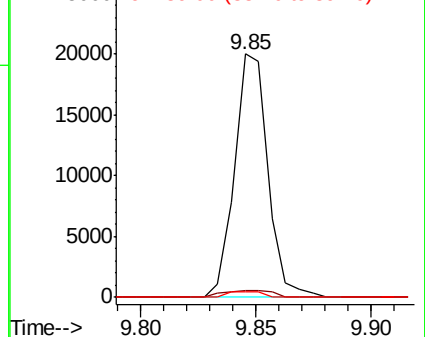
89 2.2 36.9 55.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.736 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

Tgt Ion:165 Resp: 20141

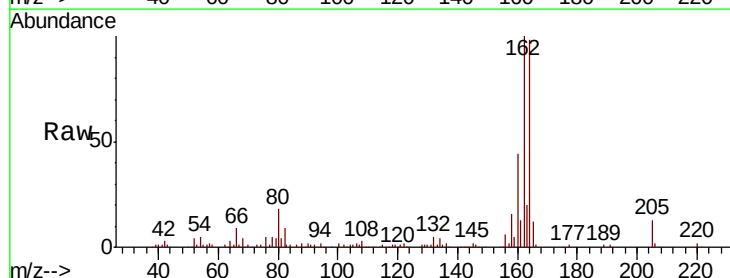
Ion Ratio Lower Upper

165 100

63 2.6 27.9 41.9#

89 2.2 47.9 71.9#

182 0.0 2.2 3.4#

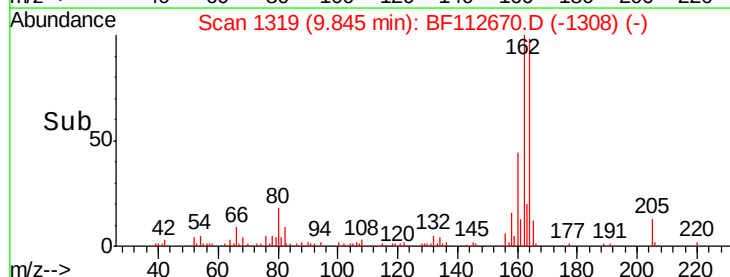
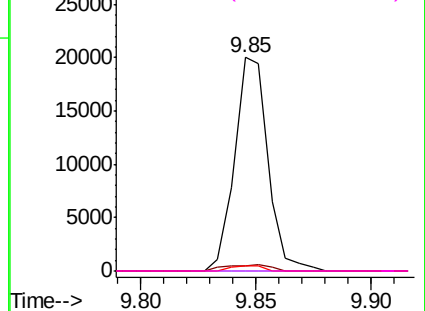


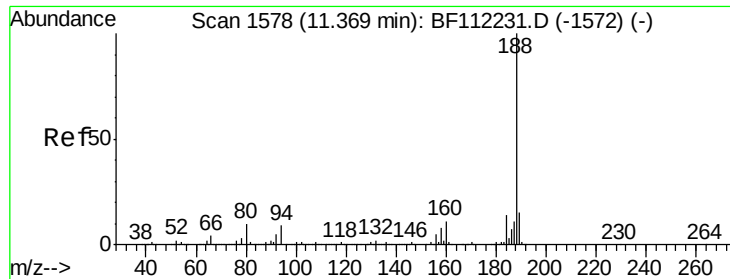
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

Instrument :

BNA_F

ClientSampleId :

50-25

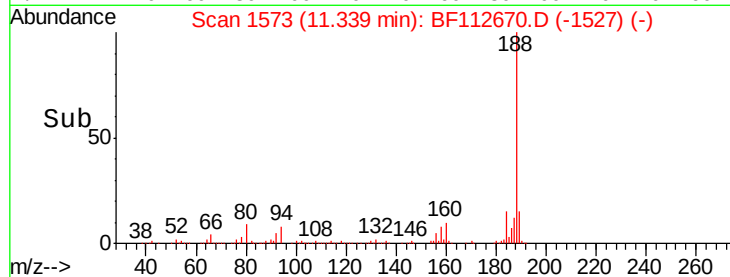
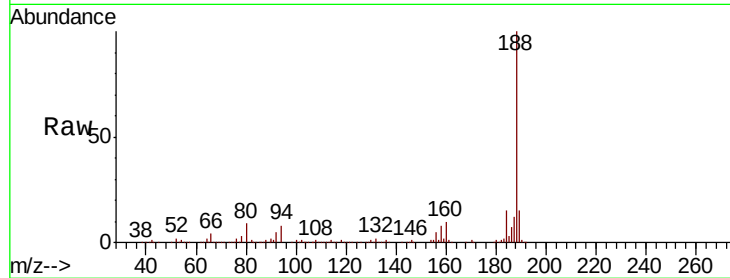
Tgt Ion:188 Resp: 295971

Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.2#

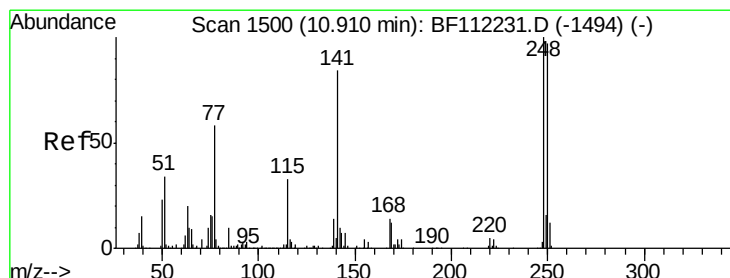
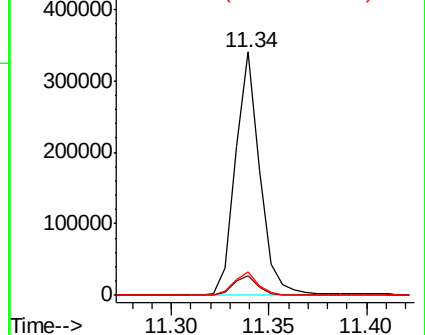
80 9.4 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.109 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.26 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

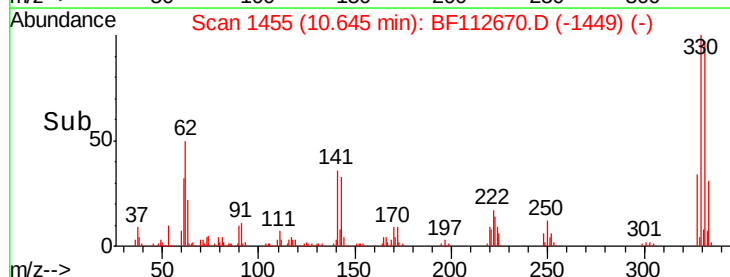
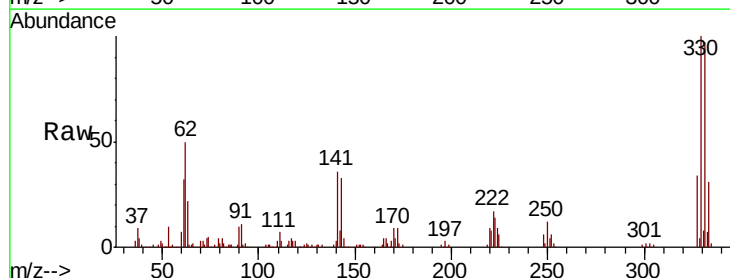
Tgt Ion:248 Resp: 10821

Ion Ratio Lower Upper

248 100

250 198.4 79.7 119.5#

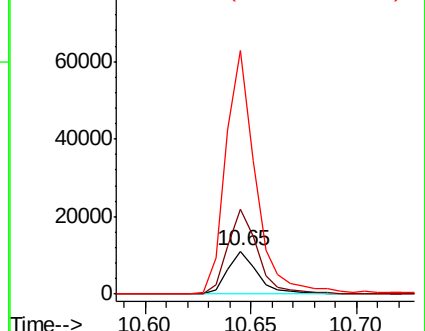
141 570.3 60.3 90.5#

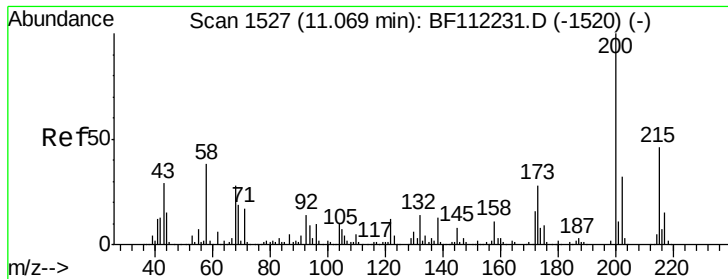


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: 6.551 ng

RT: 11.15 min Scan# 1540

Delta R.T. 0.08 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

Instrument :

BNA_F

ClientSampled :

50-25

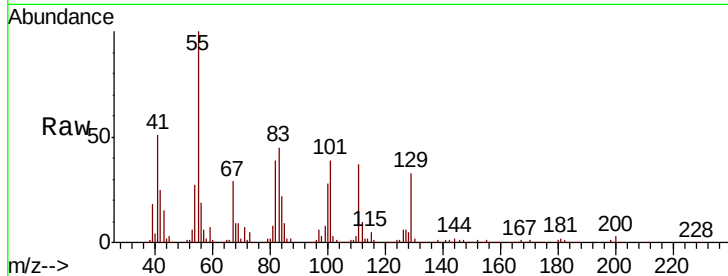
Tgt Ion:200 Resp: 21084

Ion Ratio Lower Upper

200 100

173 5.5 7.1 47.1#

215 0.0 30.4 70.4#

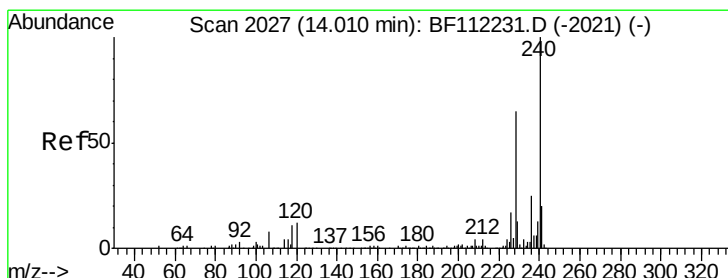
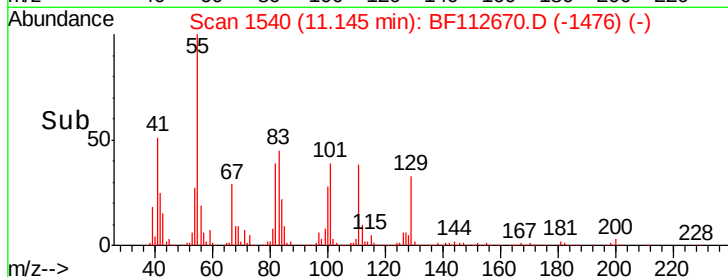
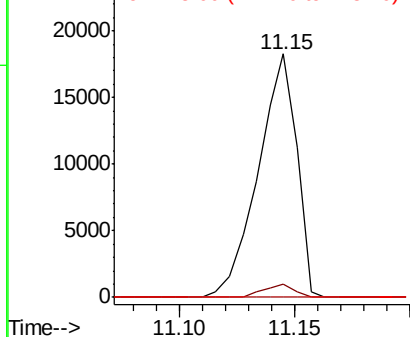


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

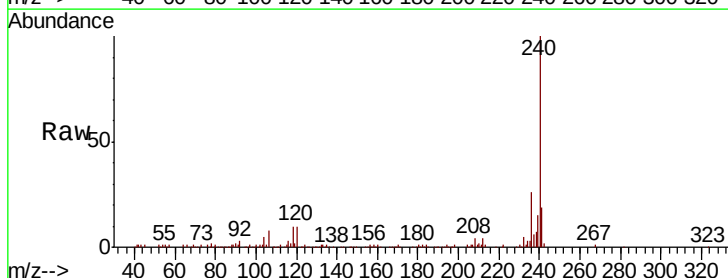
Tgt Ion:240 Resp: 183187

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

236 25.6 20.7 31.1

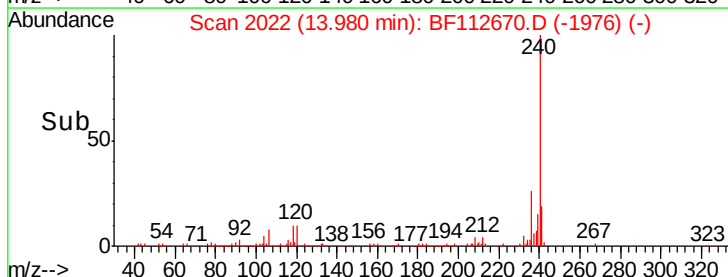
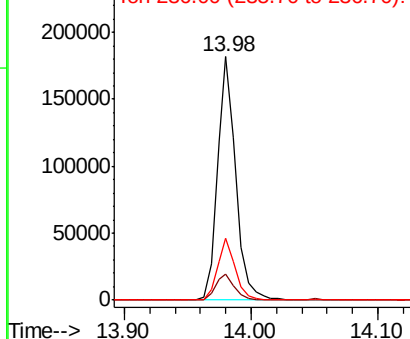


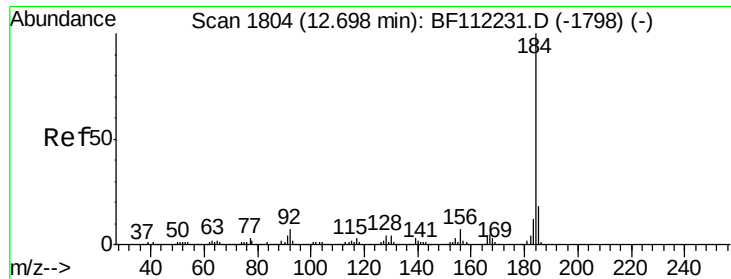
Abundance

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: 2.482 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.22 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

Instrument :

BNA_F

ClientSampleId :

50-25

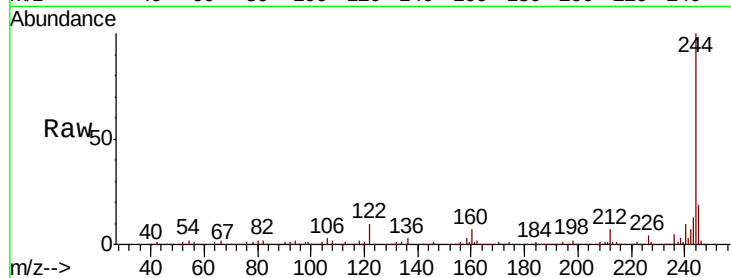
Tgt Ion:184 Resp: 12514

Ion Ratio Lower Upper

184 100

185 20.4 13.9 20.9

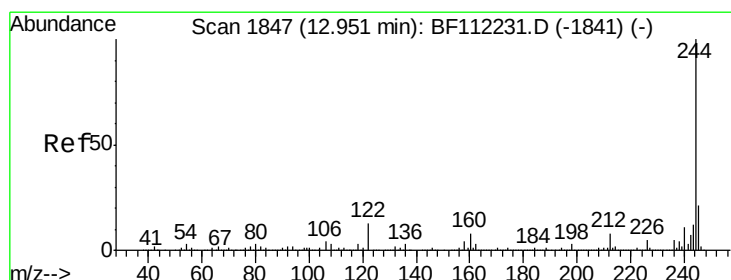
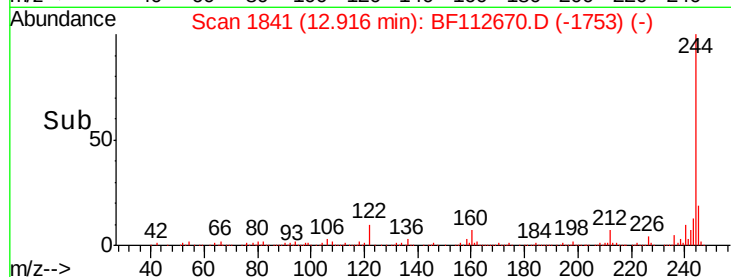
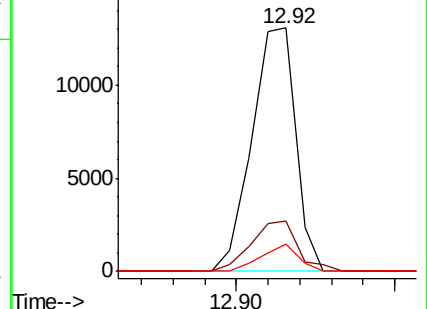
183 11.2 10.0 15.0



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



#79

Terphenyl-d14

Concen: 88.828 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF112670.D

Acq: 22 Feb 2019 17:56

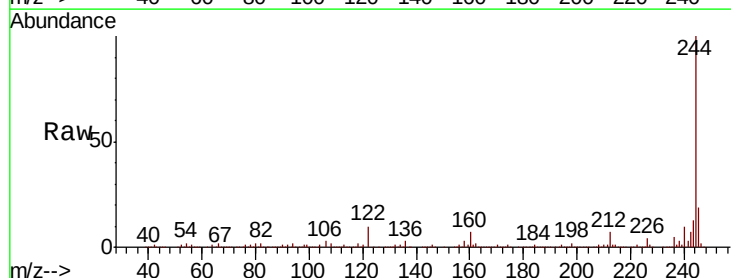
Tgt Ion:244 Resp: 863959

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

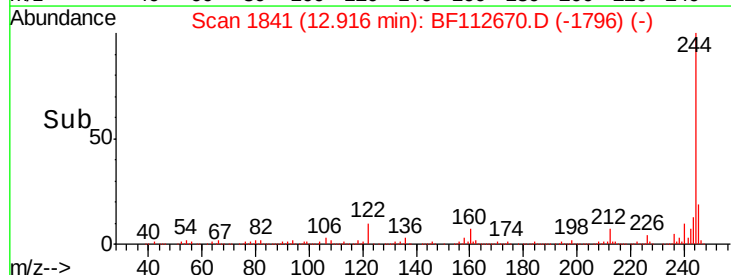
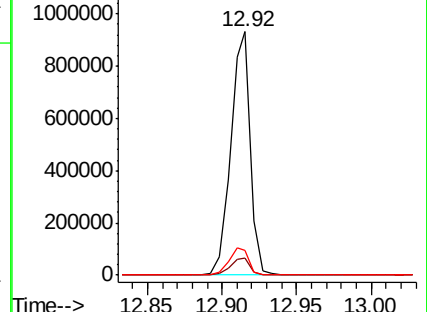
122 9.9 9.8 14.6

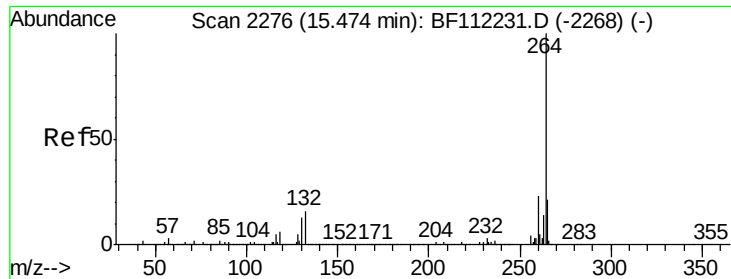


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.03 min
Lab File: BF112670.D
Acq: 22 Feb 2019 17:56

Instrument :
BNA_F
ClientSampleId :
50-25

Tgt Ion:	264	Resp:	160578
Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.2
265	21.5	17.0	25.4

