

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112276.D
 Acq On : 28 Jan 2019 15:58
 Operator : JU/SJ
 Sample : K1250-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-6

Quant Time: Jan 28 16:33:05 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	6.84	152	212744	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	802362	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	429585	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	804538	20.00	ng	0.00
76) Chrysene-d12	14.00	240	566895	20.00	ng	0.00
87) Perylene-d12	15.47	264	477692	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1122479	112.07	ng	0.00
7) Phenol-d6	6.49	99	1400799	100.65	ng	0.00
23) Nitrobenzene-d5	7.40	82	839054	60.25	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	454675	90.93	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1585098	52.19	ng	0.00
79) Terphenyl-d14	12.94	244	1631073	54.19	ng	0.00

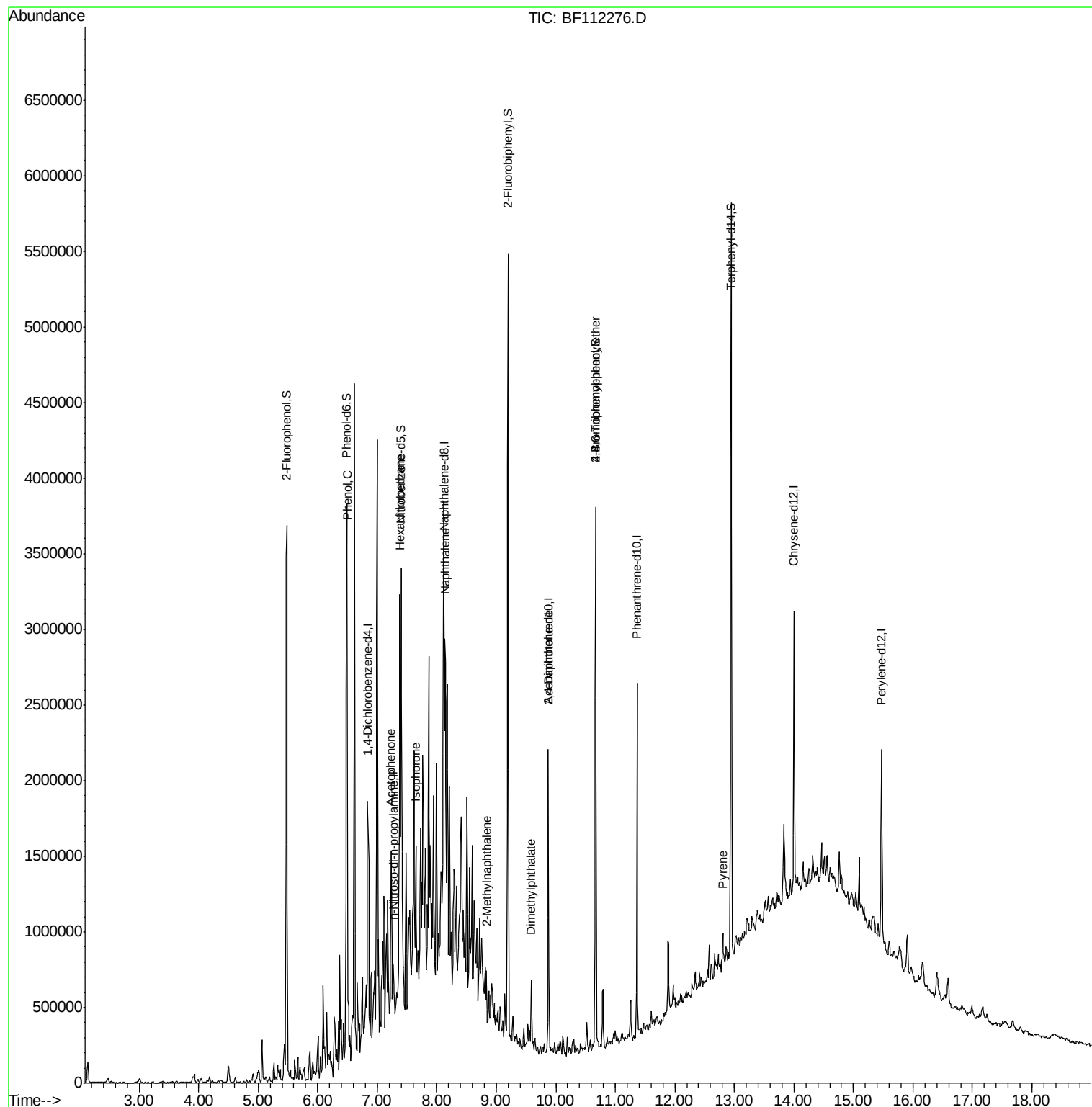
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	128067	8.387	ng	81
18) Hexachloroethane	7.38	117	106009	18.693	ng	# 1
19) n-Nitroso-di-n-propylamine	7.27	70	22331	2.327	ng	# 62
22) Acetophenone	7.23	105	84863	4.344	ng	# 46
25) Isophorone	7.65	82	47514	2.175	ng	# 1
31) Naphthalene	8.15	128	123653	3.295	ng	# 64
37) 2-Methylnaphthalene	8.83	142	110632	4.307	ng	96
50) Dimethylphthalate	9.59	163	131613	3.943	ng	99
57) 2,4-Dinitrotoluene	9.87	165	57220	6.013	ng	# 33
67) 4-Bromophenyl-phenylether	10.67	248	27329	2.888	ng	# 1
78) Pyrene	12.80	202	90133	2.296	ng	98

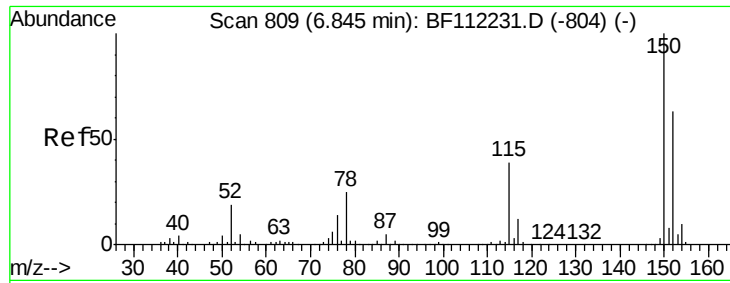
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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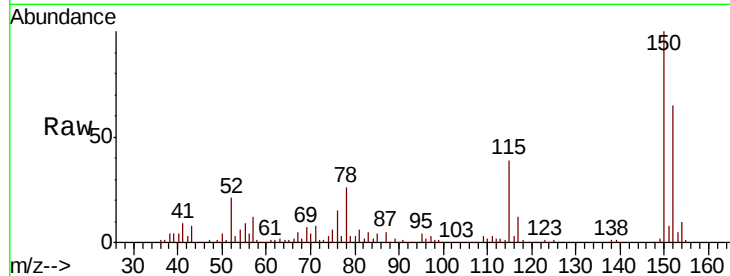


#1

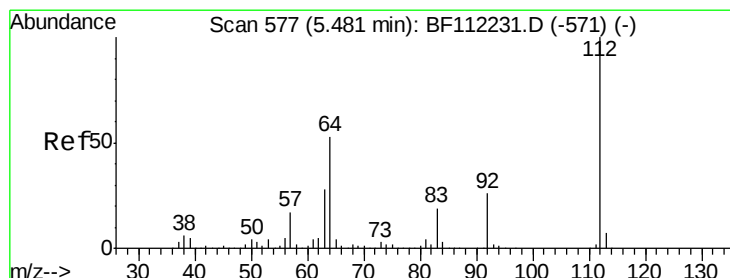
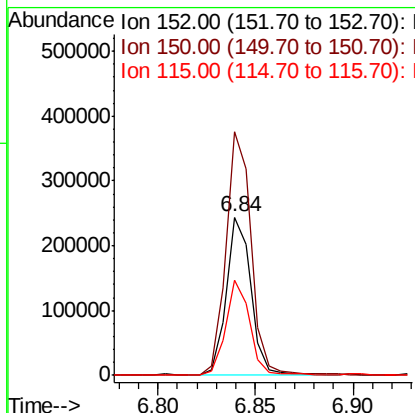
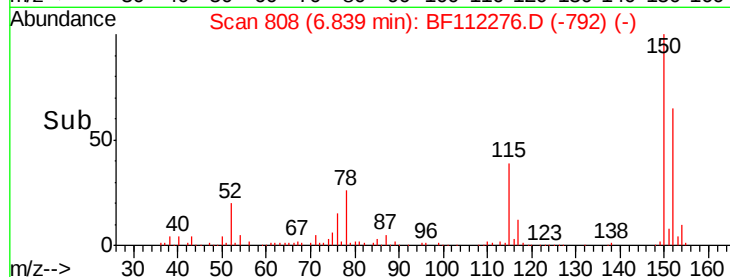
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Instrument :
BNA_F
ClientSampleId :
DRUM-6

Tot Ion:152 Resp: 212744
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 59.9 45.5 68.3



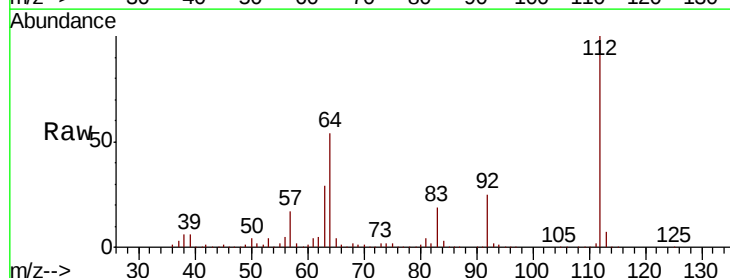
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



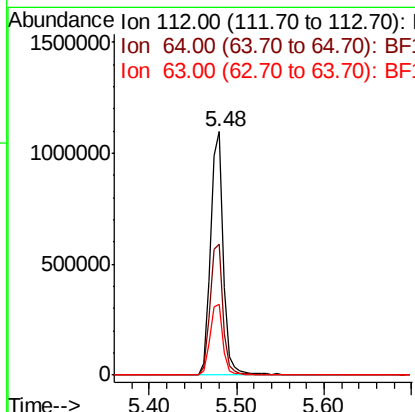
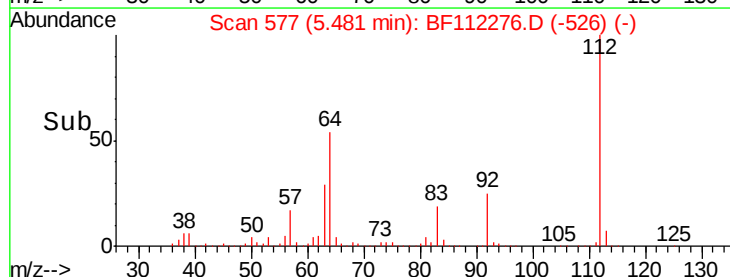
#5

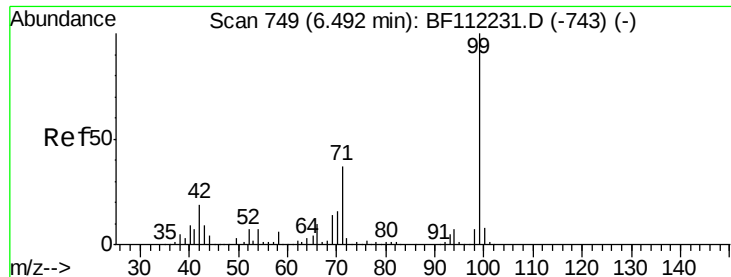
2-Fluorophenol
Concen: 112.070 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Tgt Ion:112 Resp: 1122479
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 29.3 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: 100.650 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Instrument :

BNA_F

ClientSampleId :

DRUM-6

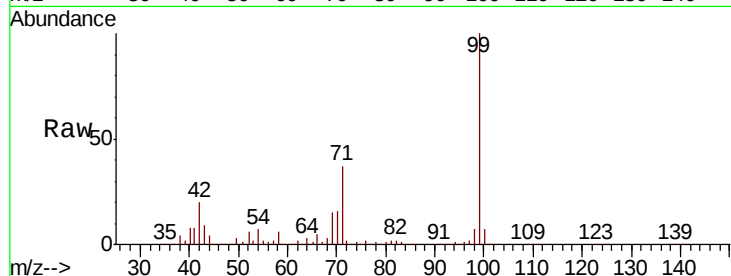
Tot Ion: 99 Resp: 1400799

Ion Ratio Lower Upper

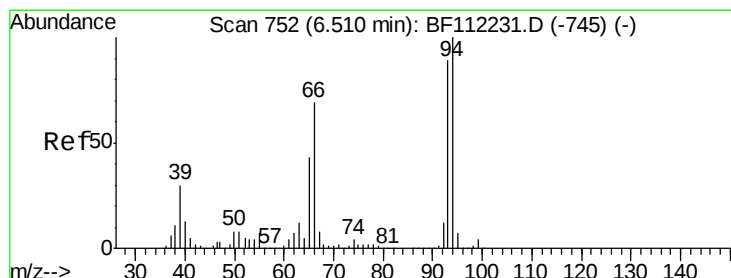
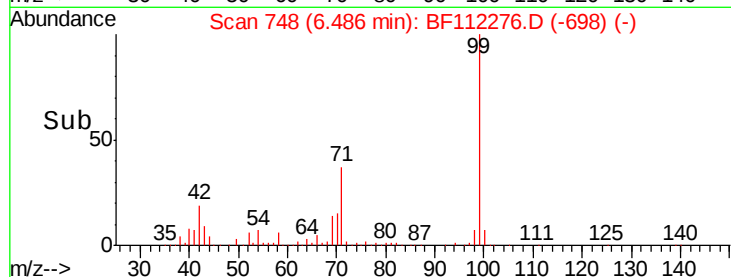
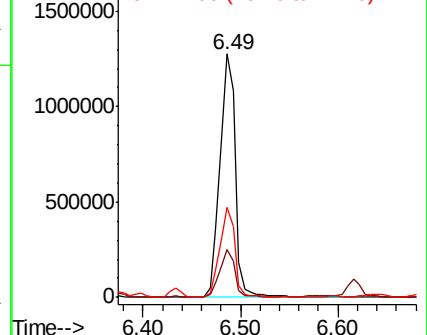
99 100

42 19.7 15.1 22.7

71 37.2 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



#10

Phenol

Concen: 8.387 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

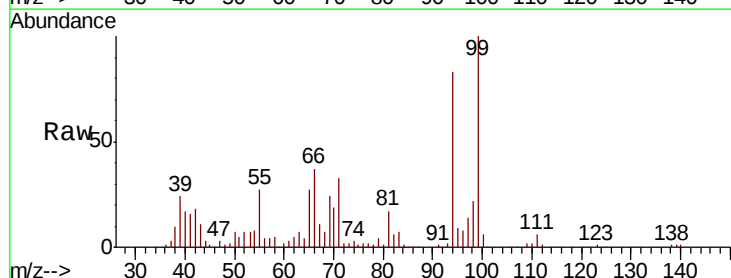
Tgt Ion: 94 Resp: 128067

Ion Ratio Lower Upper

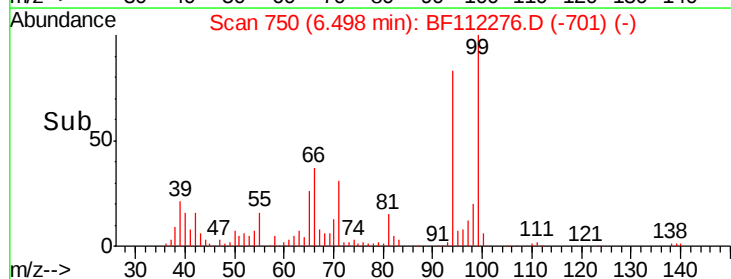
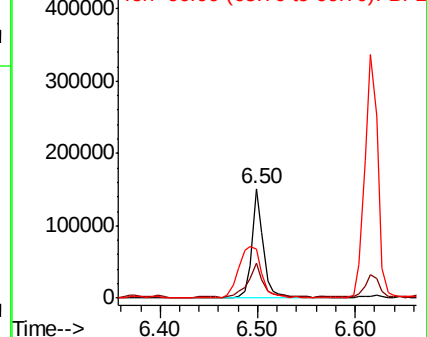
94 100

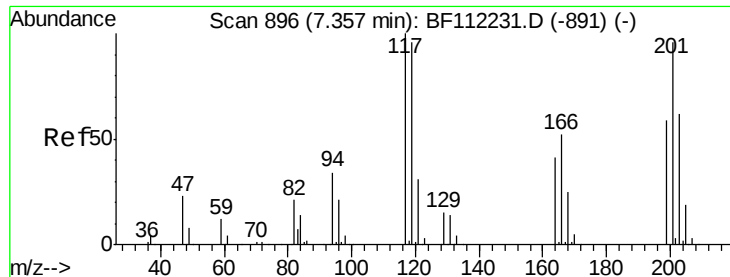
65 32.1 20.3 60.3

66 44.6 42.4 82.4



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





#18

Hexachloroethane

Concen: 18.693 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.02 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Instrument :

BNA_F

ClientSampled :

DRUM-6

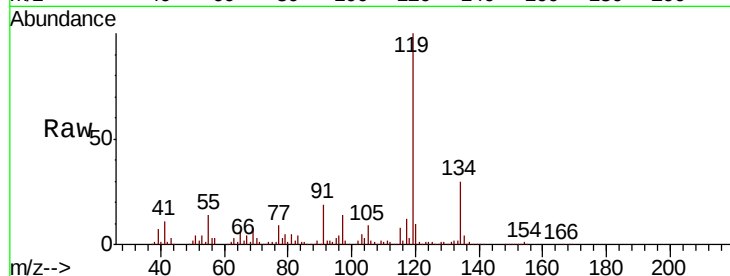
Tot Ion:117 Resp: 106009

Ion Ratio Lower Upper

117 100

119 850.7 77.0 115.4#

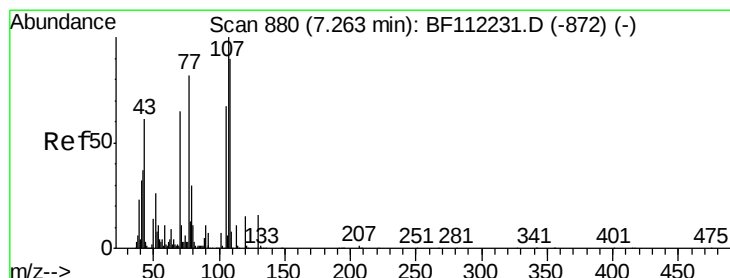
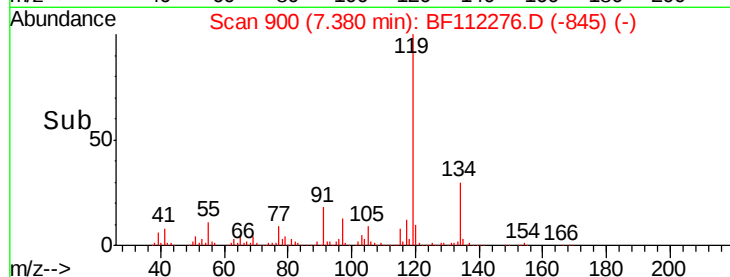
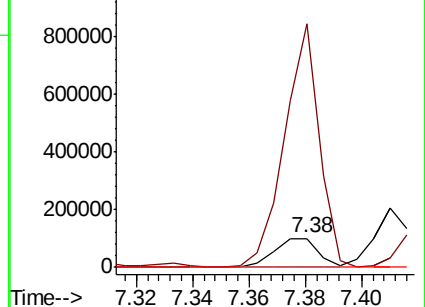
201 0.0 74.1 111.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.327 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Tgt Ion: 70 Resp: 22331

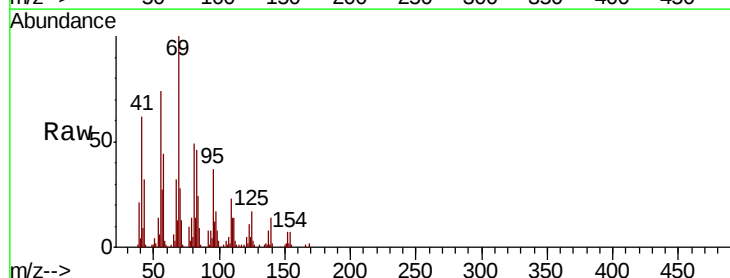
Ion Ratio Lower Upper

70 100

42 32.2 47.6 71.4#

101 0.0 7.9 11.9#

130 0.0 18.4 27.6#

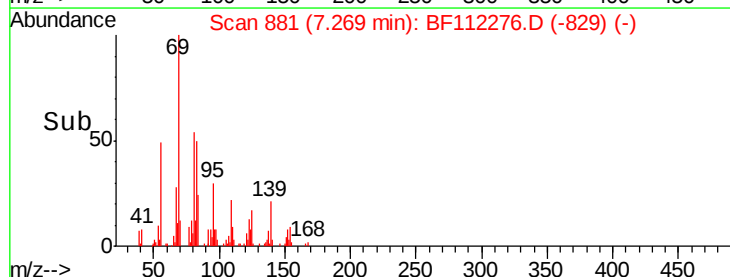
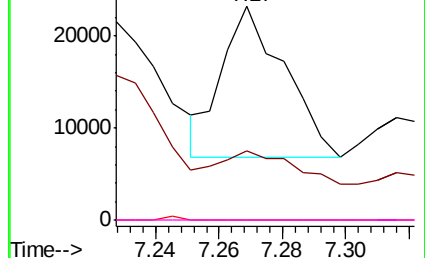


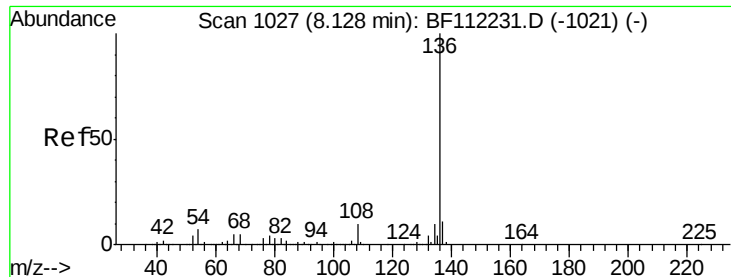
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Instrument :

BNA_F

ClientSampleId :

DRUM-6

Tot Ion:136 Resp: 802362

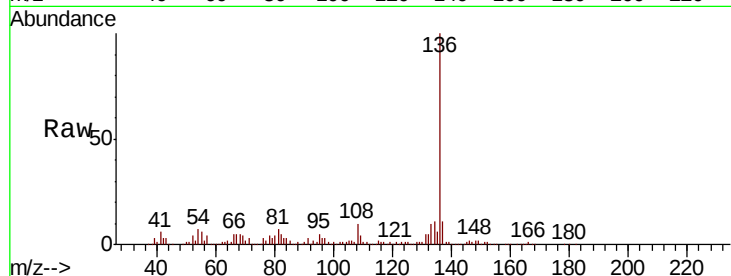
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.8 5.9 8.9

68 5.4 5.1 7.7

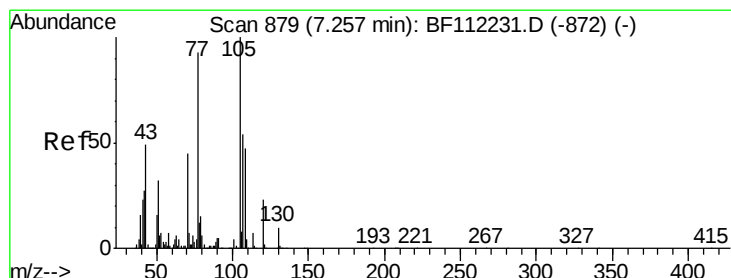
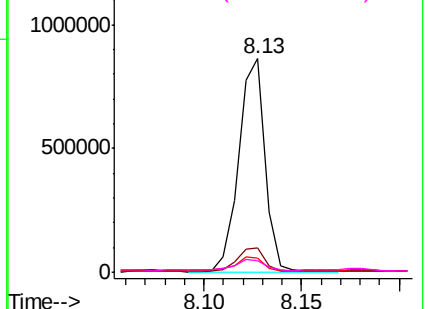
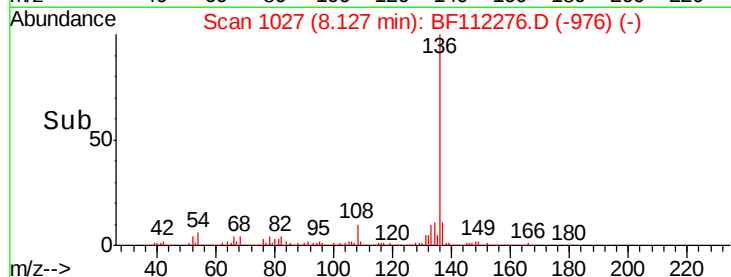


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 4.344 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.02 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Tgt Ion:105 Resp: 84863

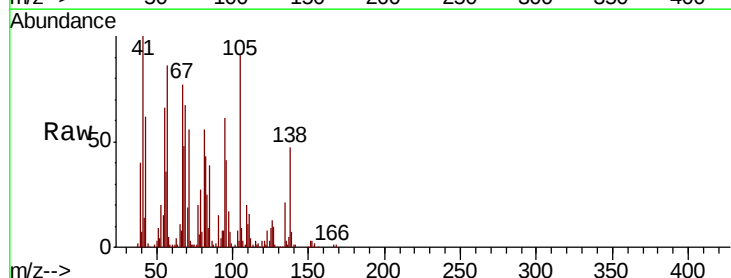
Ion Ratio Lower Upper

105 100

71 61.9 4.6 6.8#

51 9.8 25.0 37.6#

120 0.5 19.0 28.4#

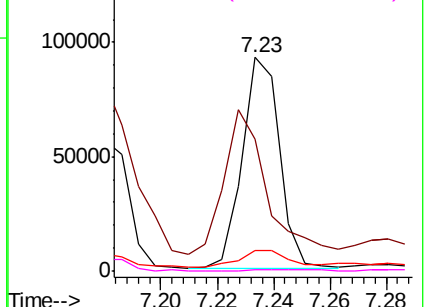
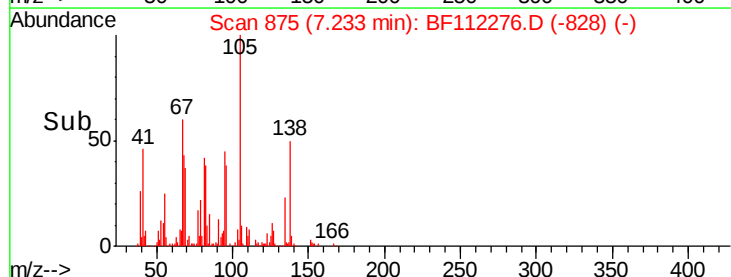


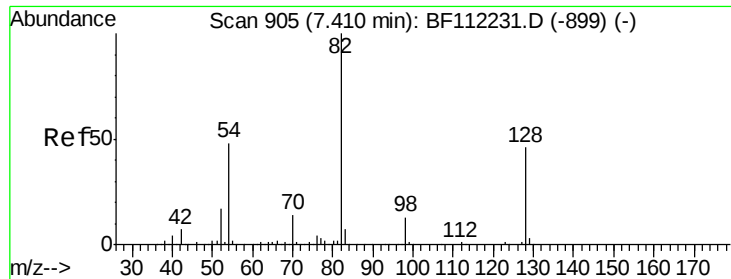
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

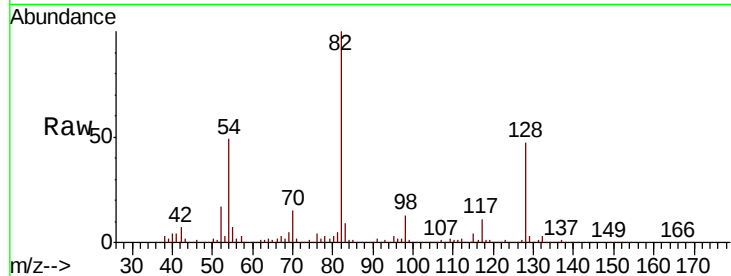




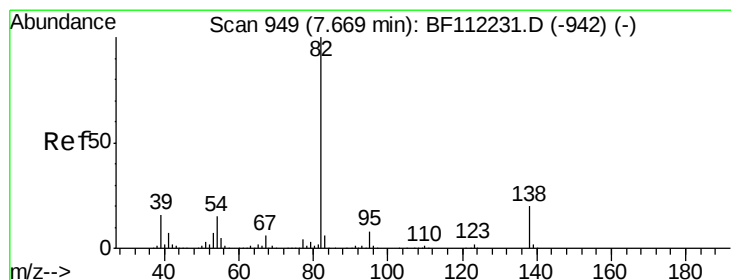
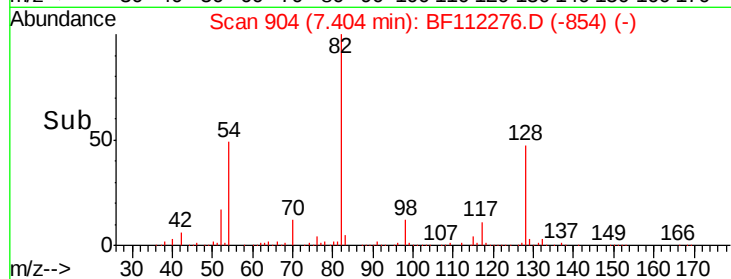
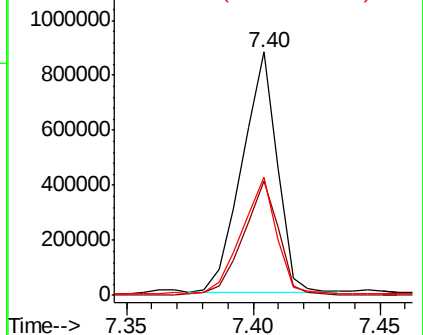
#23
 Nitrobenzene-d5
 Concen: 60.255 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF112276.D
 Acq: 28 Jan 2019 15:58

Instrument :
 BNA_F
 ClientSampleID :
 DRUM-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.8	56.8
54	48.7	39.7	59.5

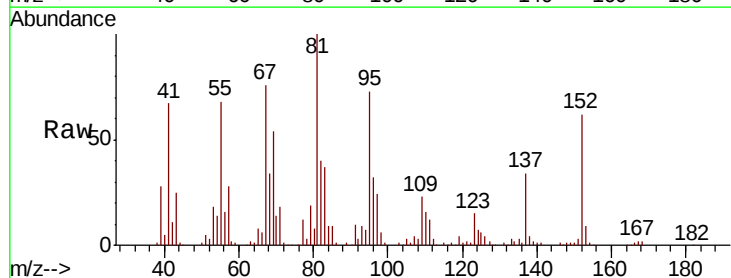


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

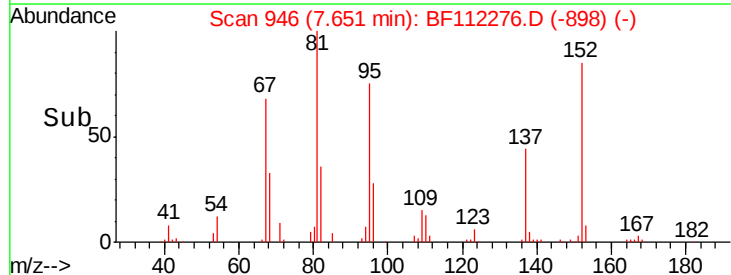
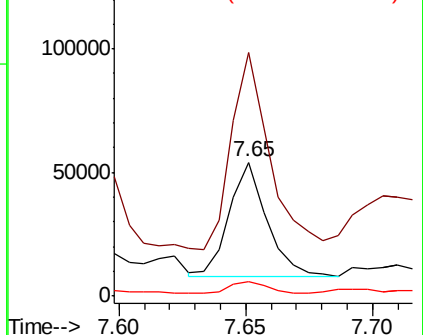


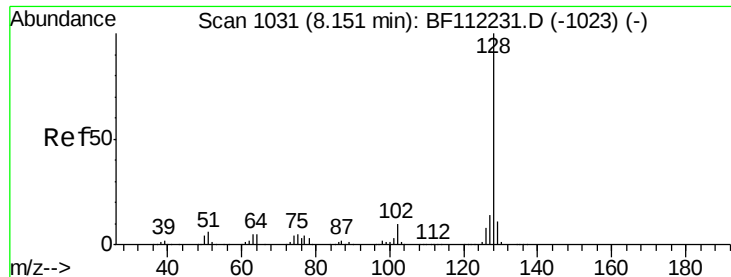
#25
 Isophorone
 Concen: 2.175 ng
 RT: 7.65 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF112276.D
 Acq: 28 Jan 2019 15:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	181.9	5.7	8.5#
138	10.9	15.4	23.0#



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





#31

Naphthalene

Concen: 3.295 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Instrument :

BNA_F

ClientSampleId :

DRUM-6

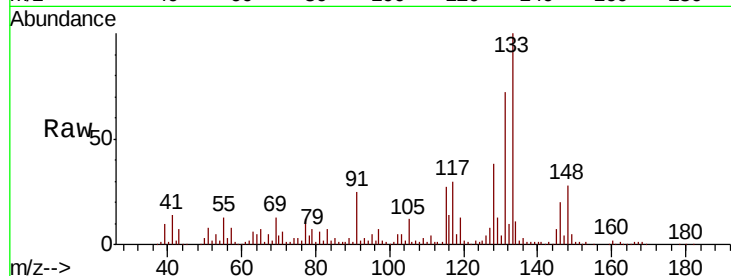
Tot Ion:128 Resp: 123653

Ion Ratio Lower Upper

128 100

129 35.2 9.6 14.4#

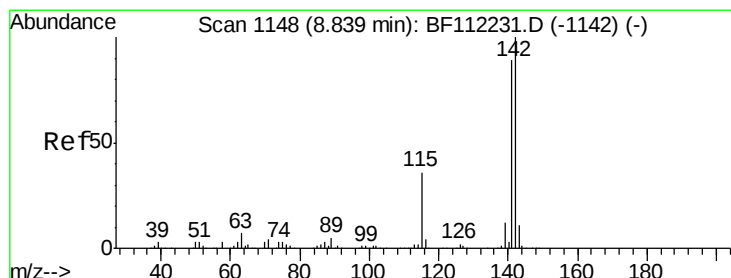
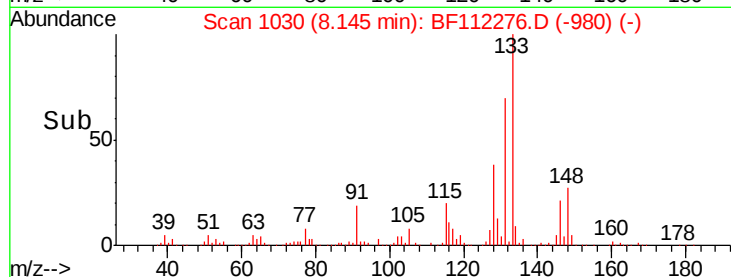
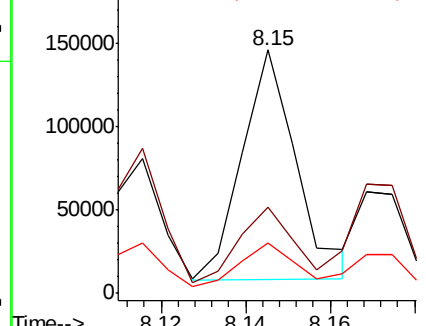
127 20.5 11.1 16.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 4.307 ng

RT: 8.83 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

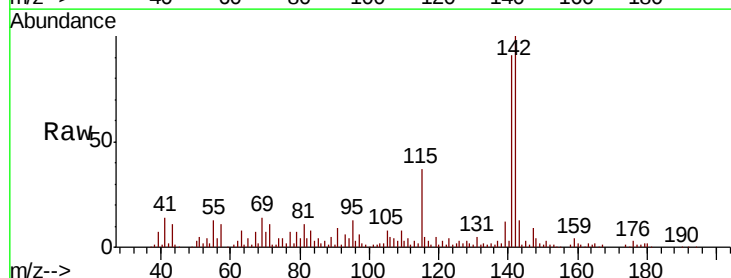
Tgt Ion:142 Resp: 110632

Ion Ratio Lower Upper

142 100

141 90.6 70.9 106.3

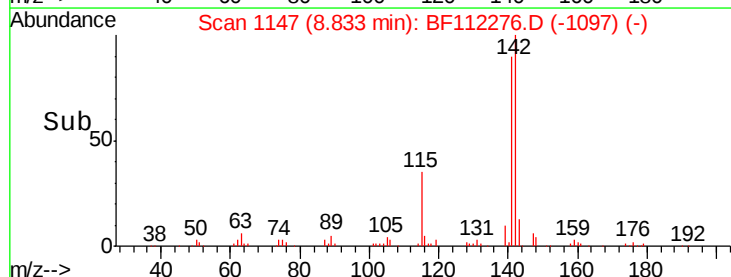
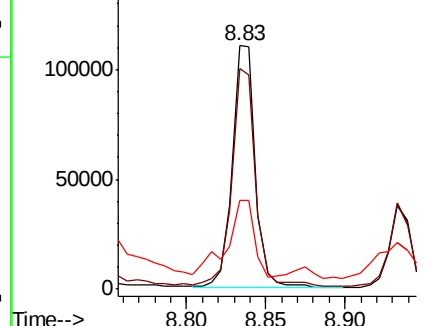
115 36.7 24.9 37.3

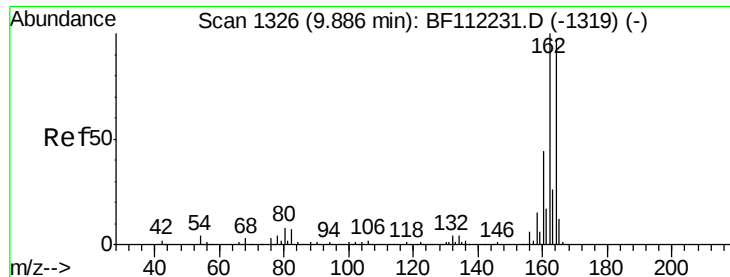


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

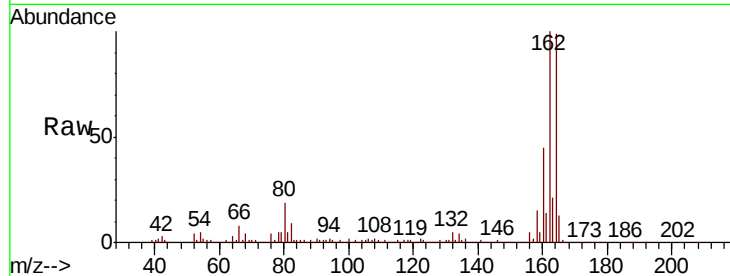




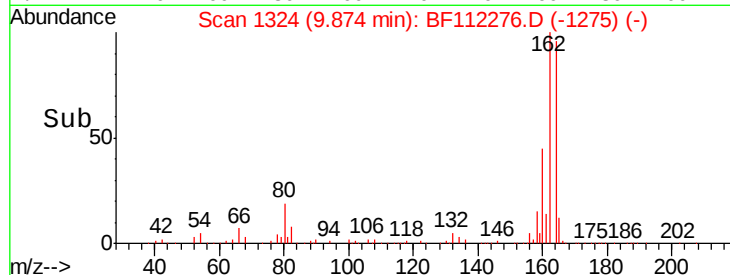
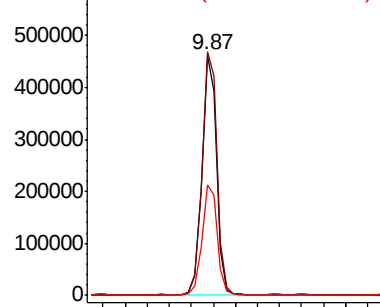
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Instrument :
BNA_F
ClientSampleId :
DRUM-6

Tot Ion:164 Resp: 429585
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.4
160 45.9 36.2 54.4

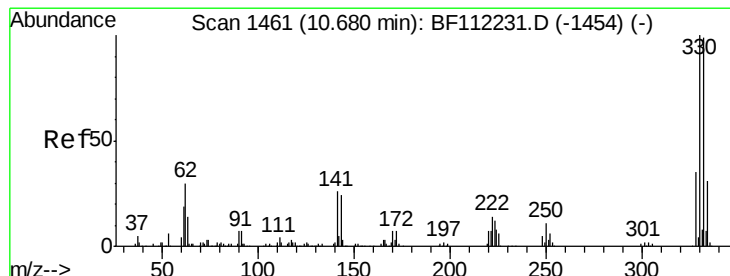


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

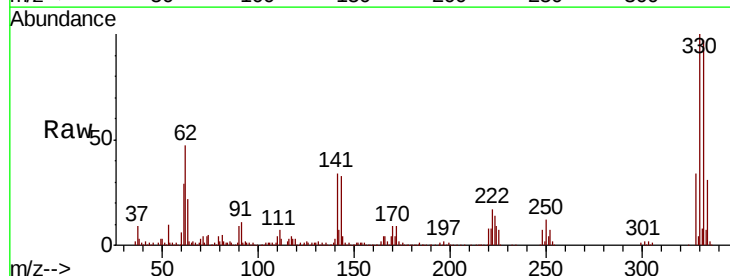
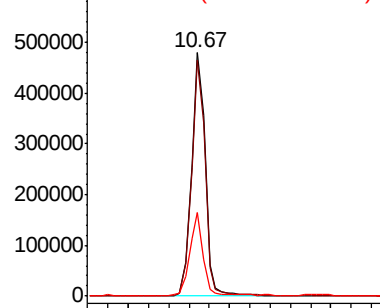


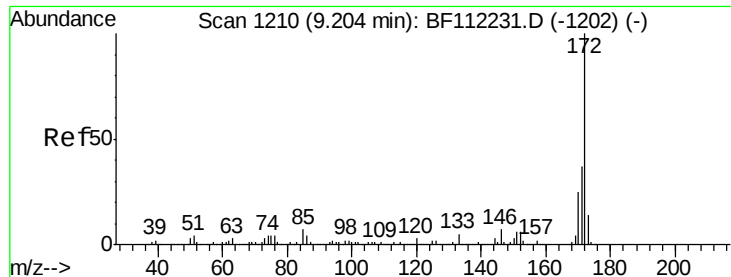
#42
2,4,6-Tribromophenol
Concen: 90.930 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Tgt Ion:330 Resp: 454675
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 32.7 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

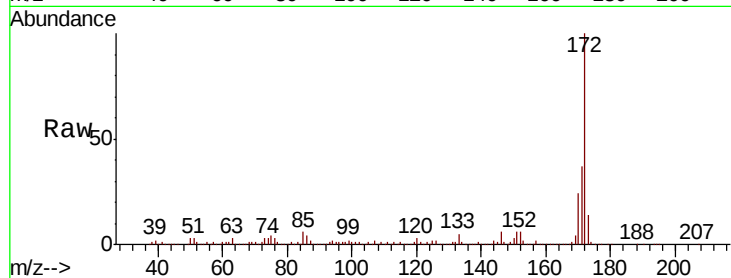




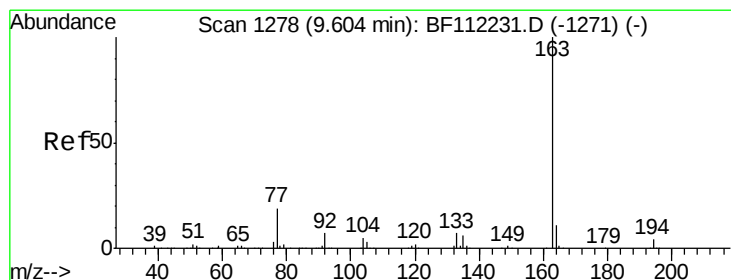
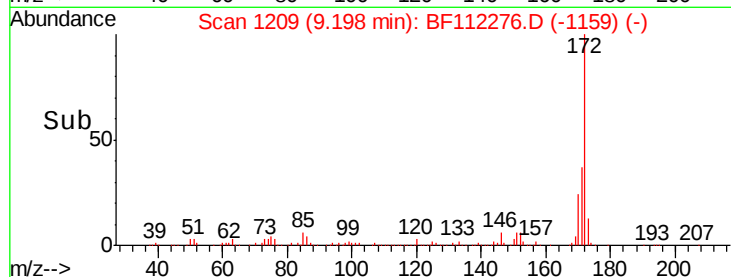
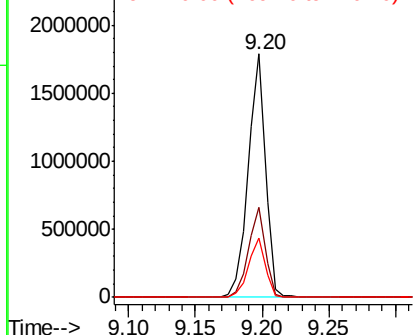
#45
2-Fluorobiphenyl
Concen: 52.187 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Instrument :
BNA_F
ClientSampleId :
DRUM-6

Tot Ion:172 Resp: 1585098
Ion Ratio Lower Upper
172 100
171 37.1 30.5 45.7
170 24.5 20.2 30.4

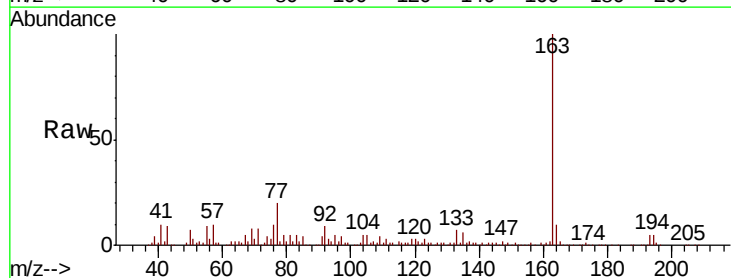


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

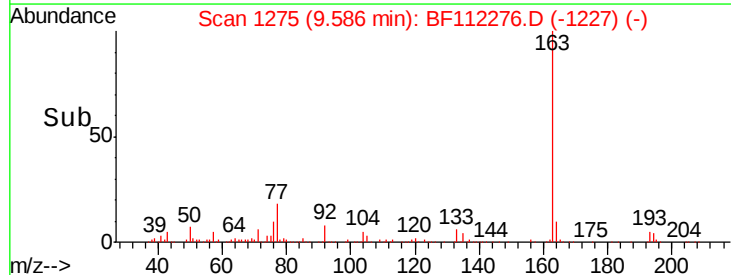
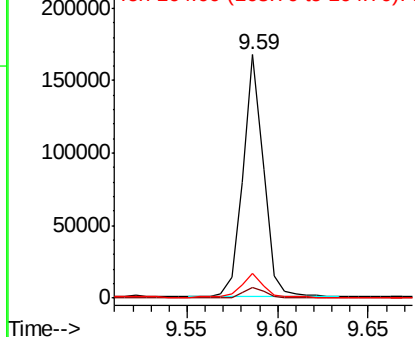


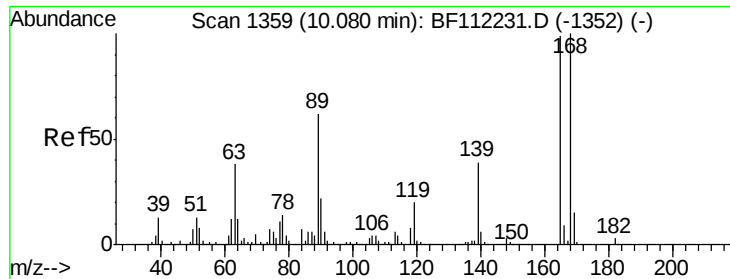
#50
Dimethylphthalate
Concen: 3.943 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Tgt Ion:163 Resp: 131613
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

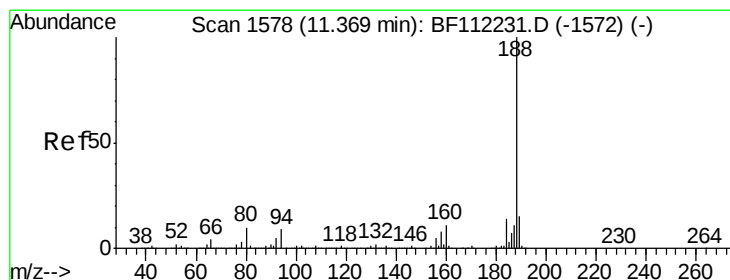
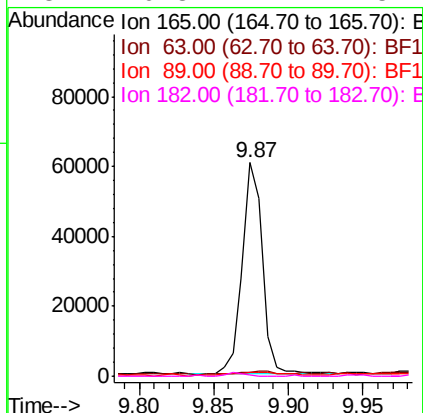
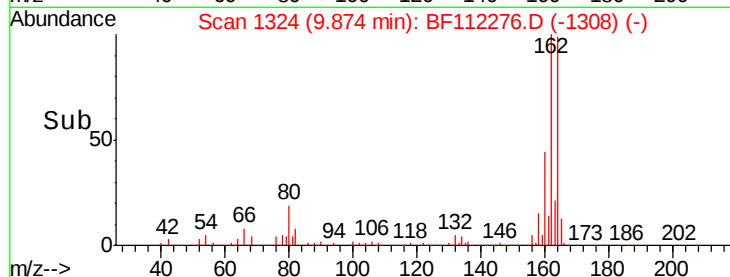
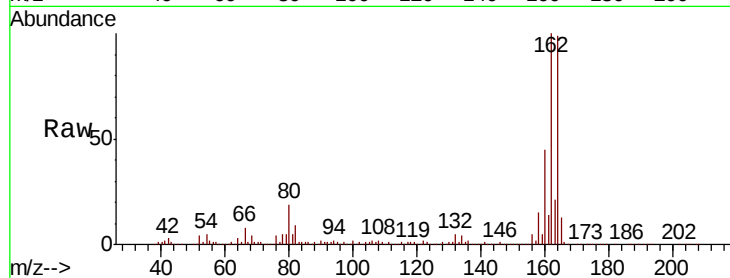




#57
2,4-Dinitrotoluene
Concen: 6.013 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.21 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

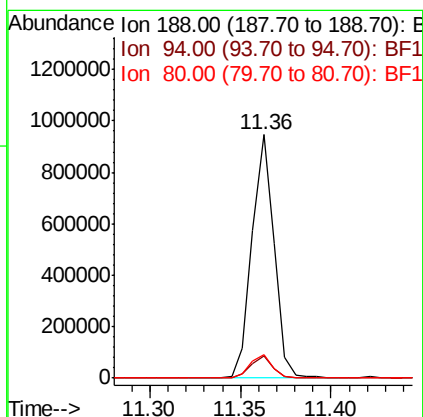
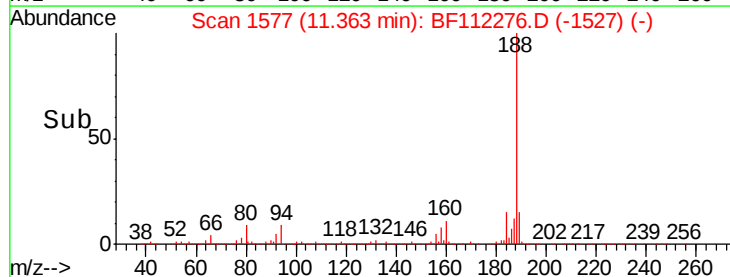
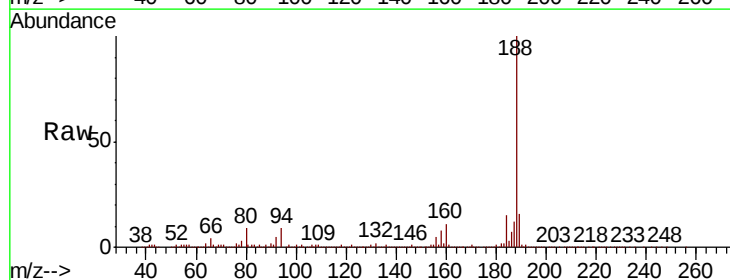
Instrument :
BNA_F
ClientSampleId :
DRUM-6

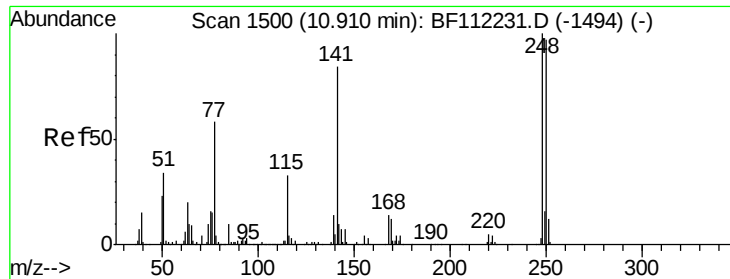
Tot Ion:165 Resp: 57220
Ion Ratio Lower Upper
165 100
63 2.1 27.9 41.9#
89 2.1 47.9 71.9#
182 0.8 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Tgt Ion:188 Resp: 804538
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.2
80 9.5 8.9 13.3

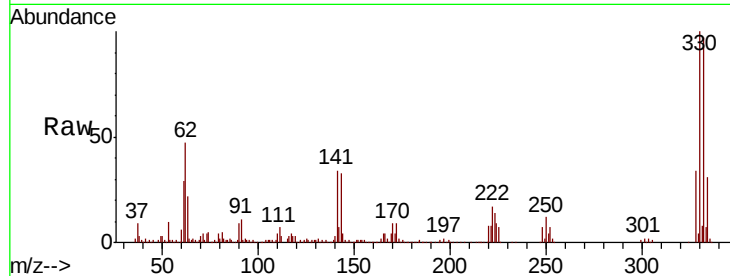




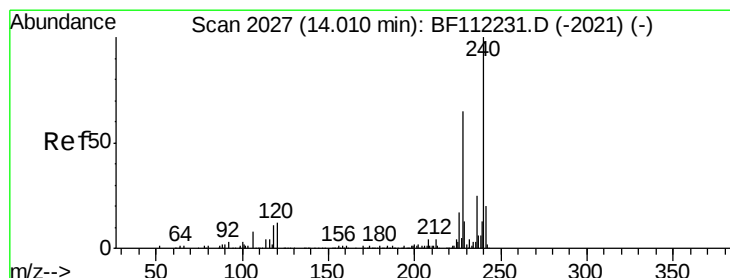
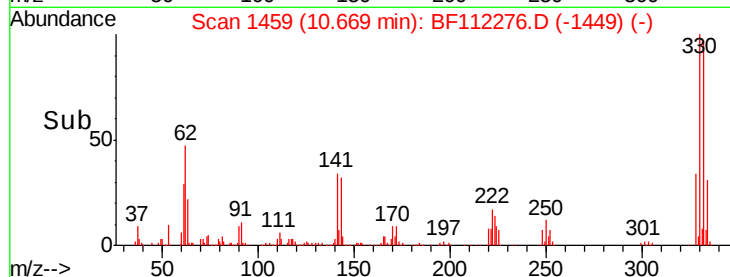
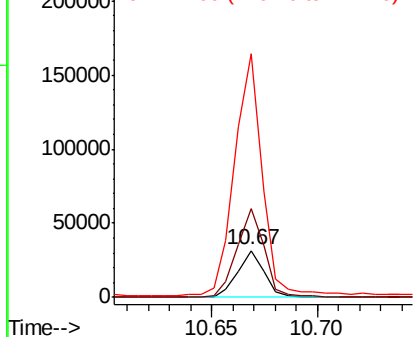
#67
 4-Bromophenyl-phenylether
 Concen: 2.888 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112276.D
 Acq: 28 Jan 2019 15:58

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-6

Tot Ion:248 Resp: 27329
 Ion Ratio Lower Upper
 248 100
 250 189.2 79.7 119.5#
 141 522.3 60.3 90.5#

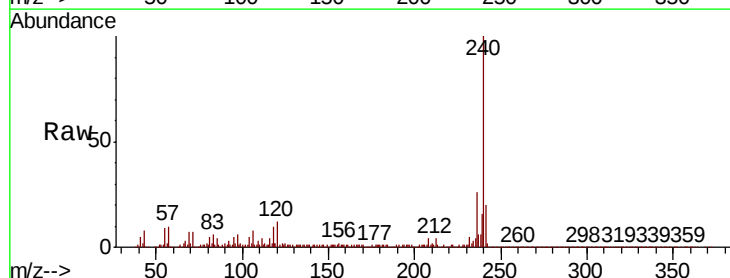


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

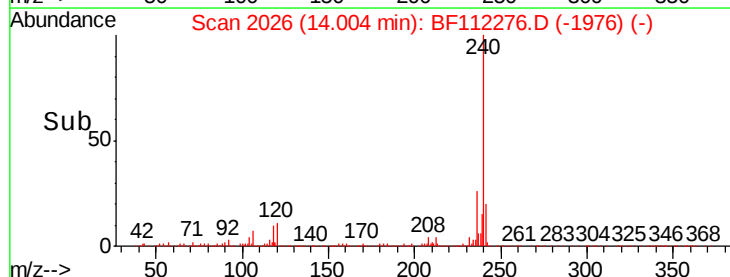
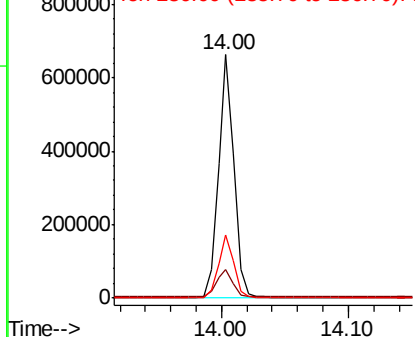


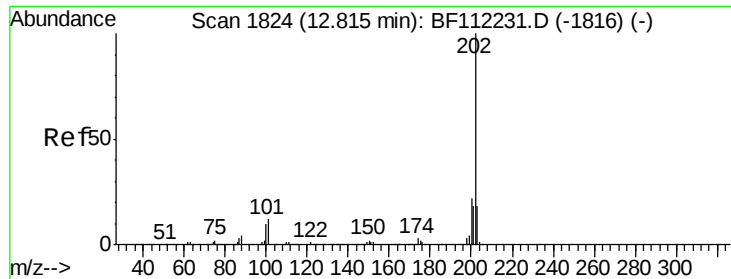
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112276.D
 Acq: 28 Jan 2019 15:58

Tgt Ion:240 Resp: 566895
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.0 13.6
 236 25.7 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





#78

Pvrene

Concen: 2.296 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

Instrument :

BNA_F

ClientSampleId :

DRUM-6

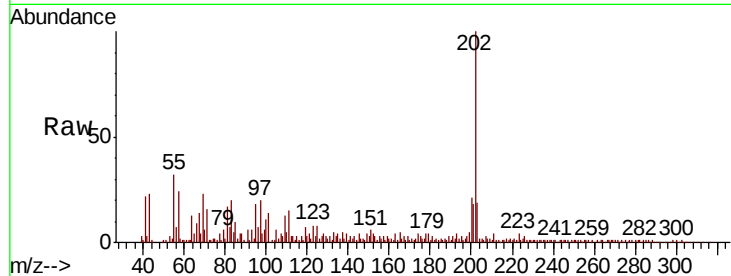
Tot Ion:202 Resp: 90133

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

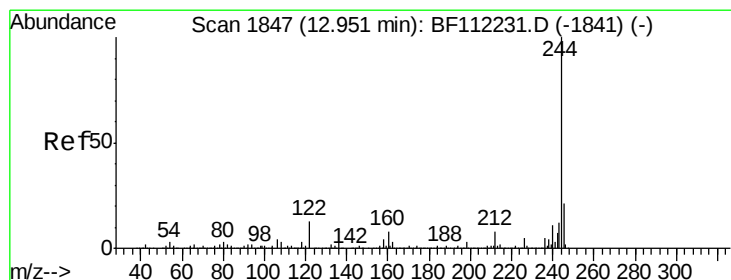
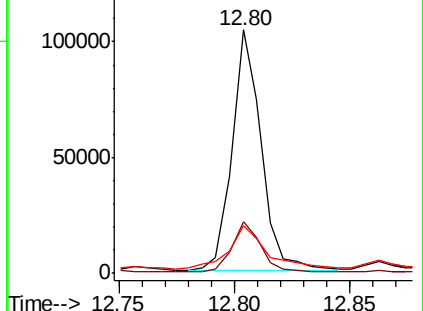
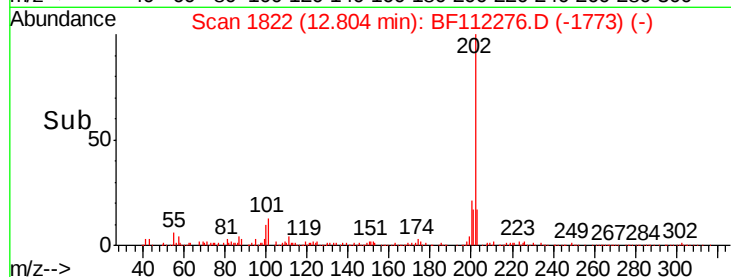
203 19.4 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 54.191 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112276.D

Acq: 28 Jan 2019 15:58

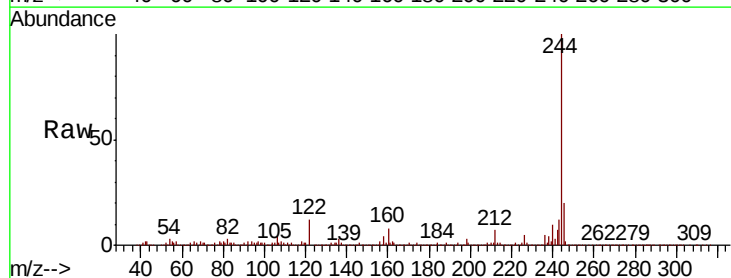
Tgt Ion:244 Resp: 1631073

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

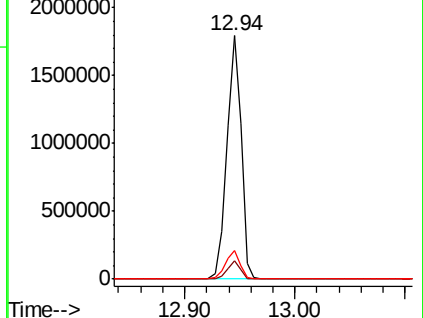
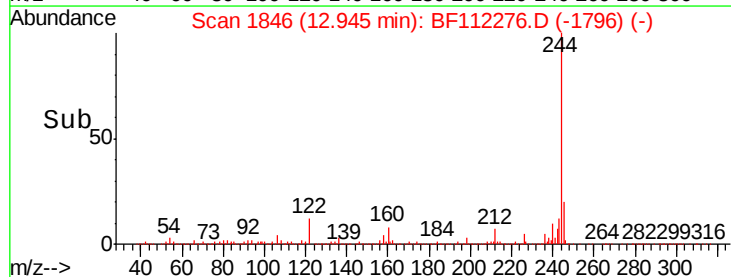
122 11.9 9.8 14.6

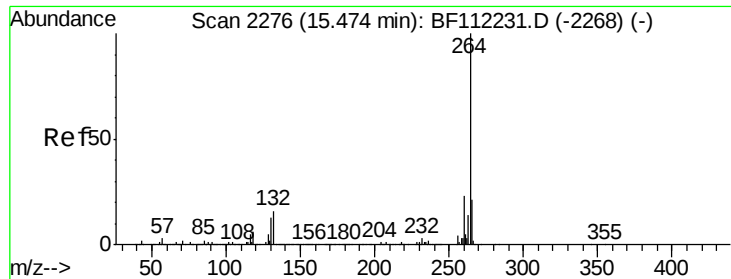


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF112276.D
Acq: 28 Jan 2019 15:58

Instrument :
BNA_F
ClientSampleId :
DRUM-6

Tot Ion:264 Resp: 477692

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	21.7	17.0	25.4

