

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
 Data File : BF114991.D
 Acq On : 13 Jun 2019 9:33
 Operator : HP/JU
 Sample : K3285-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-1-OW(0-10)

Quant Time: Jun 13 17:31:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

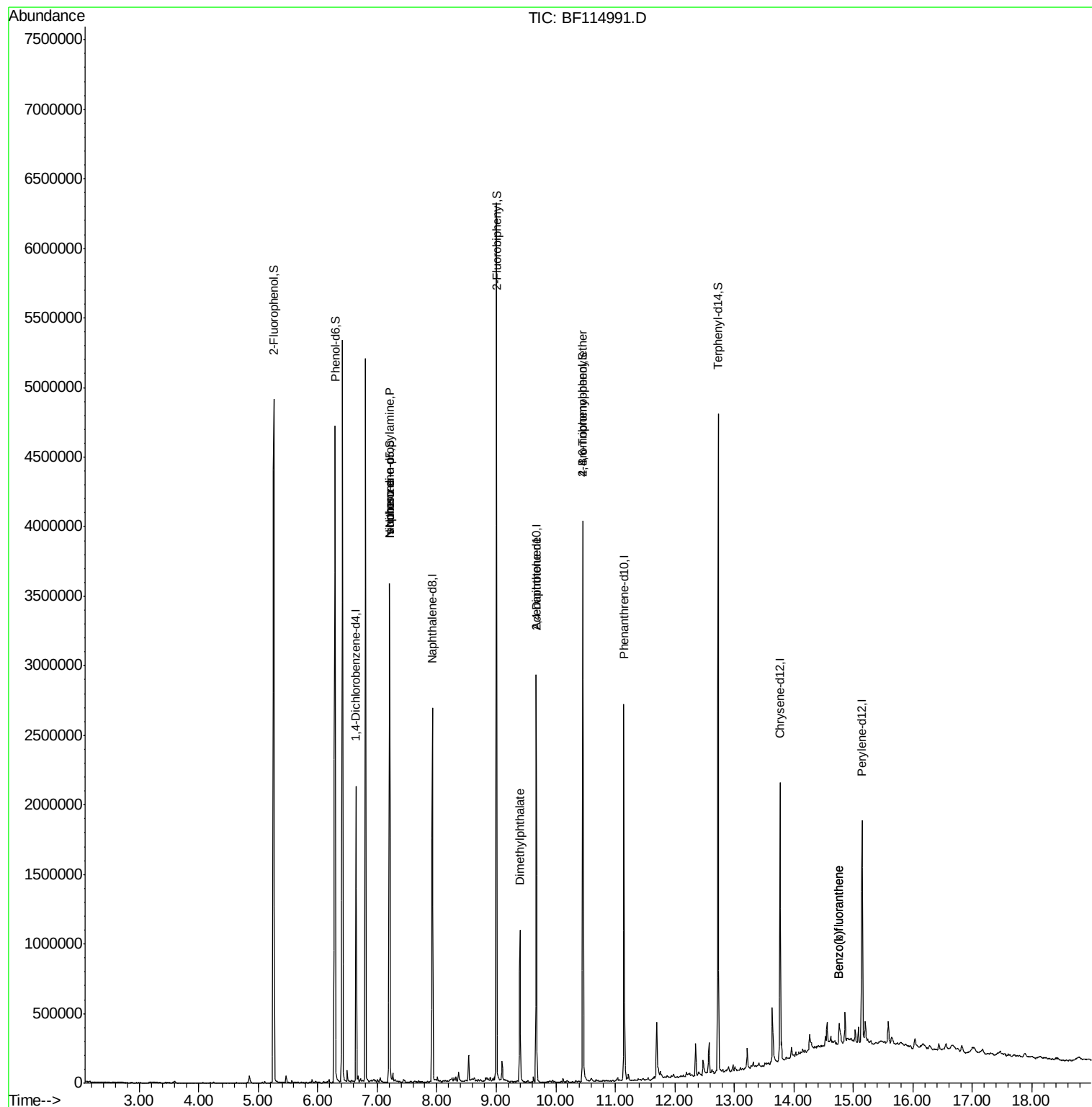
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	309926	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1179580	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	566860	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1031756	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	596244	20.00	ng	-0.01
87) Perylene-d12	15.14	264	670149	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1638835	88.30	ng	0.00
7) Phenol-d6	6.29	99	2057446	91.89	ng	0.00
23) Nitrobenzene-d5	7.21	82	1257416	64.16	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	532215	87.68	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	2050952	61.32	ng	0.00
79) Terphenyl-d14	12.73	244	1703975	53.75	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.19	77	2208	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.21	70	166553	12.244 ng	#	78
25) Isophorone	7.21	82	1236041	33.676 ng	#	62
50) Dimethylphthalate	9.40	163	429172	10.067 ng		98
57) 2,4-Dinitrotoluene	9.67	165	72672	5.904 ng	#	29
58) Fluorene	10.22	166	1794	Below Cal	#	85
67) 4-Bromophenyl-phenylether	10.46	248	33915	3.061 ng	#	1
88) Benzo(b)fluoranthene	14.76	252	99311	2.229 ng	#	97
89) Benzo(k)fluoranthene	14.76	252	99311	2.540 ng	#	95

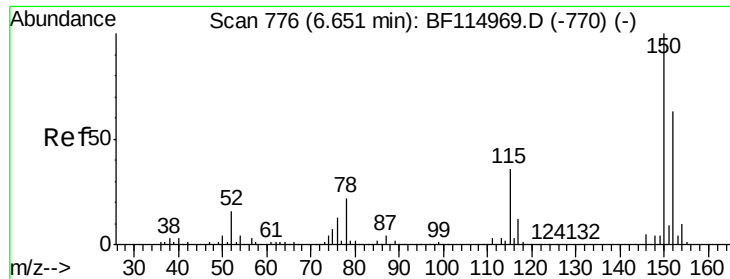
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Instrument :

BNA_F

ClientSampleId :

M-1-OW(0-10)

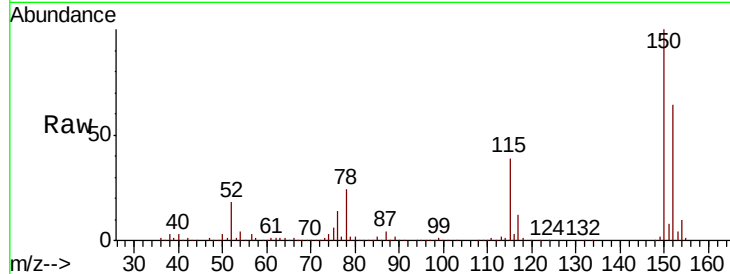
Tot Ion:152 Resp: 309926

Ion Ratio Lower Upper

152 100

150 157.2 127.4 191.0

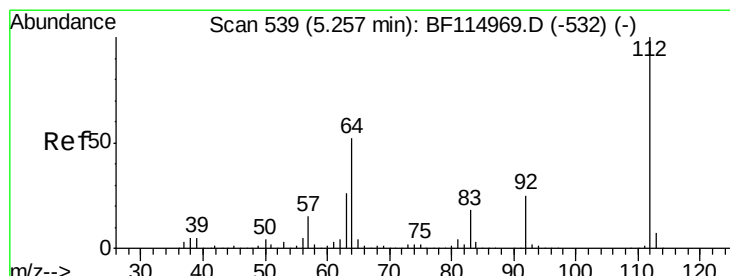
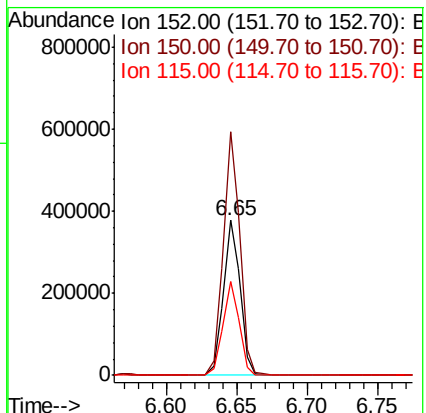
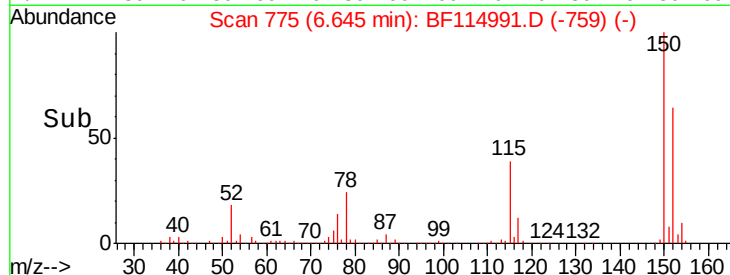
115 60.7 46.0 69.0



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: 88.295 ng

RT: 5.26 min Scan# 540

Delta R.T. 0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

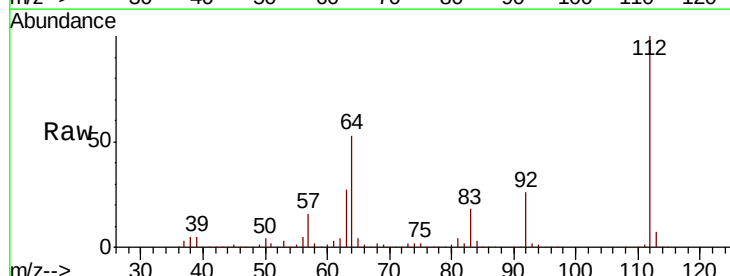
Tgt Ion:112 Resp: 1638835

Ion Ratio Lower Upper

112 100

64 53.3 41.6 62.4

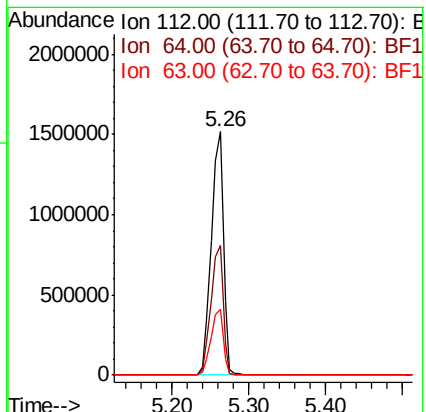
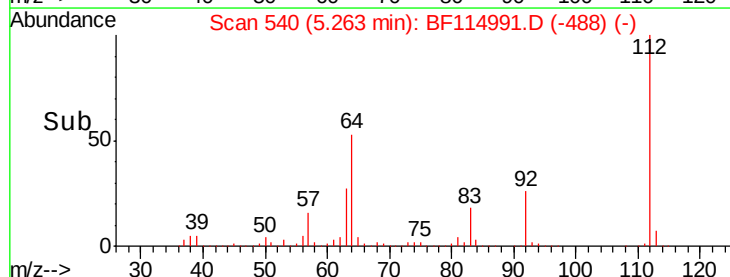
63 27.1 20.9 31.3

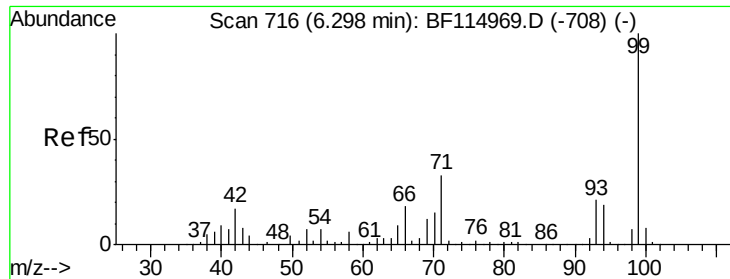


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 91.893 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Instrument :

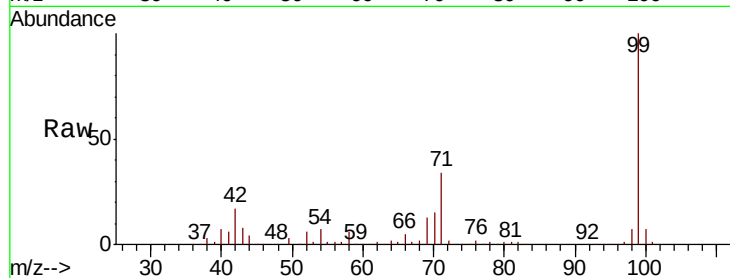
BNA_F

ClientSampleId :

M-1-OW(0-10)

Tot Ion: 99 Resp: 2057446

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.4	20.2
71	34.1	26.4	39.6

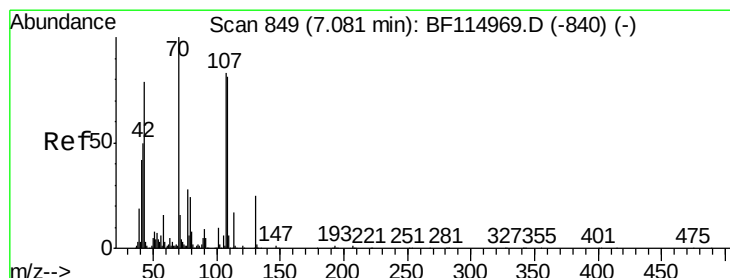
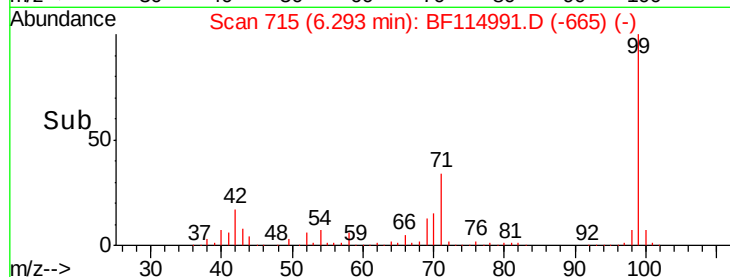
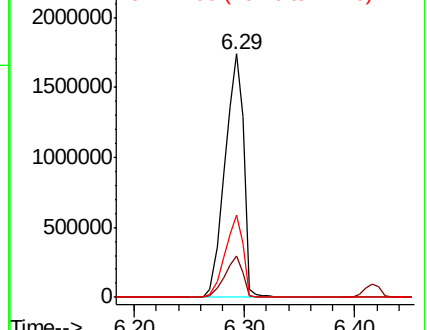


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.244 ng

RT: 7.21 min Scan# 871

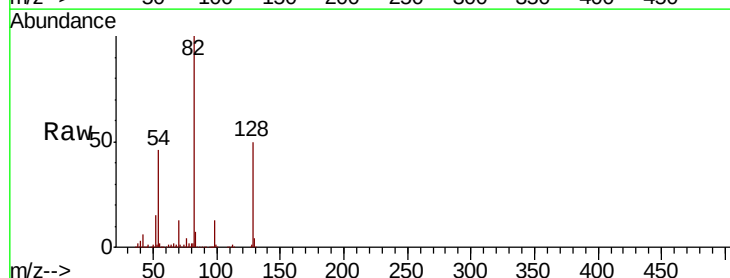
Delta R.T. 0.13 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Tgt Ion: 70 Resp: 166553

Ion	Ratio	Lower	Upper
70	100		
42	44.0	40.3	60.5
101	0.0	8.2	12.4#
130	2.3	20.3	30.5#



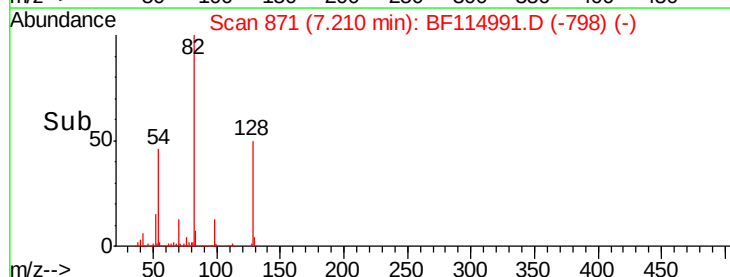
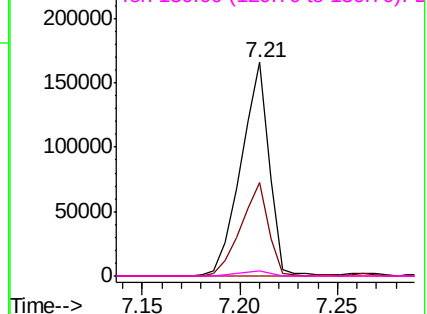
Abundance

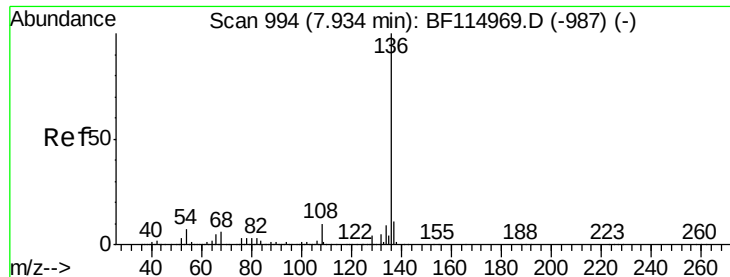
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

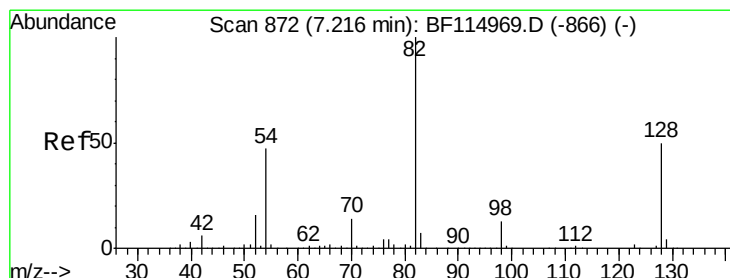
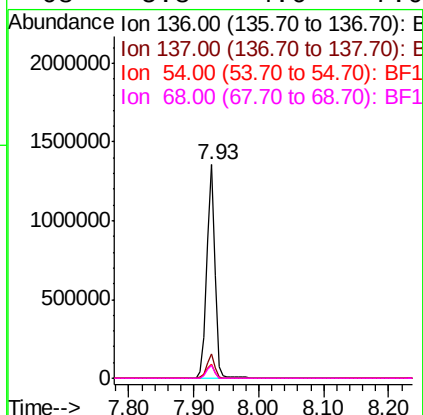
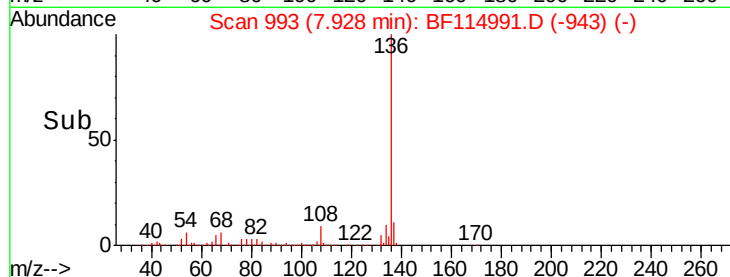
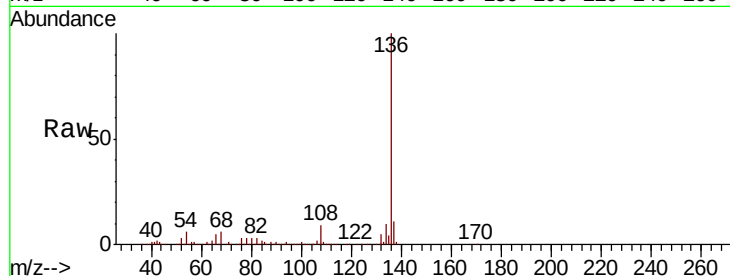




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114991.D
Acq: 13 Jun 2019 9:33

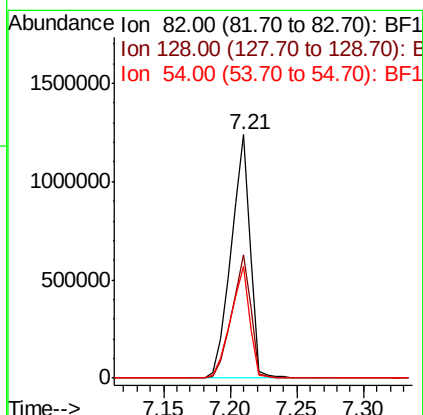
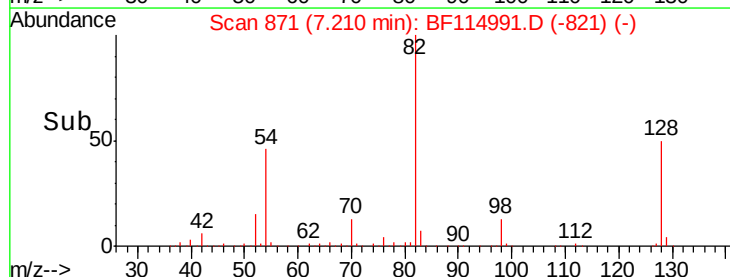
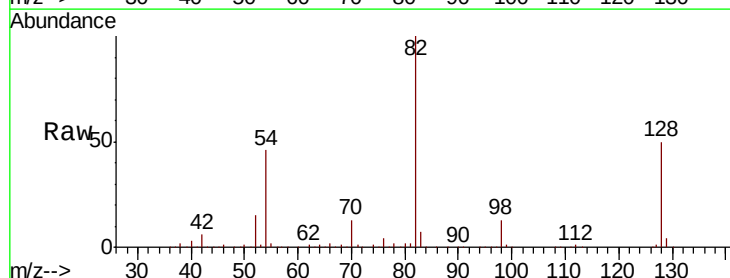
Instrument :
BNA_F
ClientSampleId :
M-1-OW(0-10)

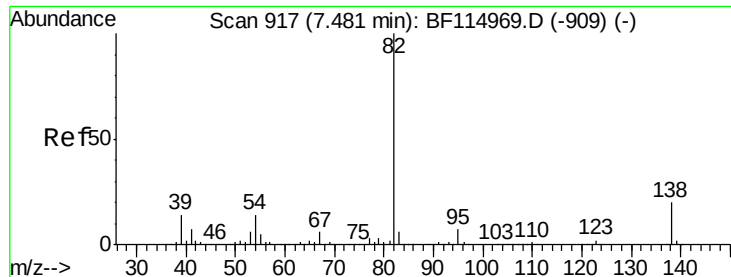
Tot Ion:136 Resp: 1179580
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.4 5.4 8.0
68 5.8 4.6 7.0



#23
Nitrobenzene-d5
Concen: 64.164 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF114991.D
Acq: 13 Jun 2019 9:33

Tgt Ion: 82 Resp: 1257416
Ion Ratio Lower Upper
82 100
128 50.4 39.9 59.9
54 45.9 37.3 55.9





#25

Isophorone

Concen: 33.676 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Instrument :

BNA_F

ClientSampleId :

M-1-OW(0-10)

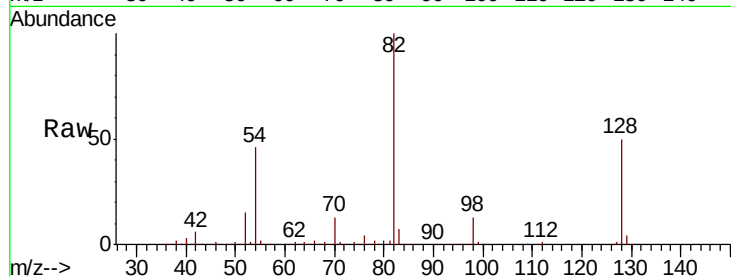
Tot Ion: 82 Resp: 1236041

Ion Ratio Lower Upper

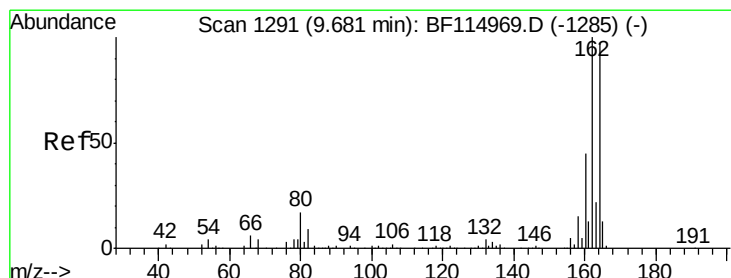
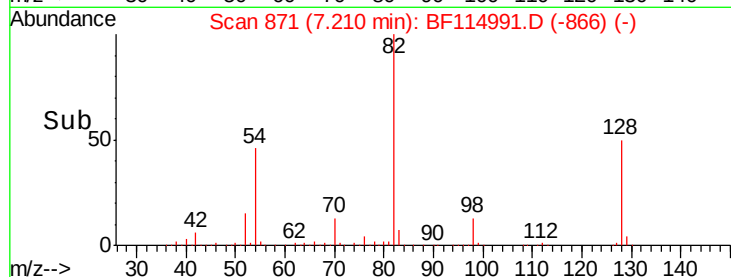
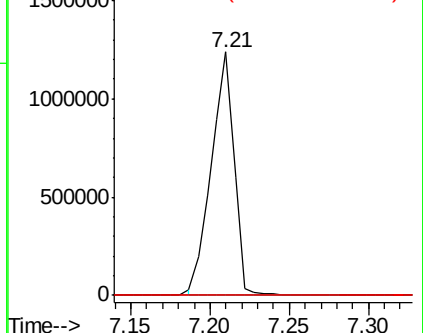
82 100

95 0.0 5.6 8.4#

138 0.0 16.1 24.1#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

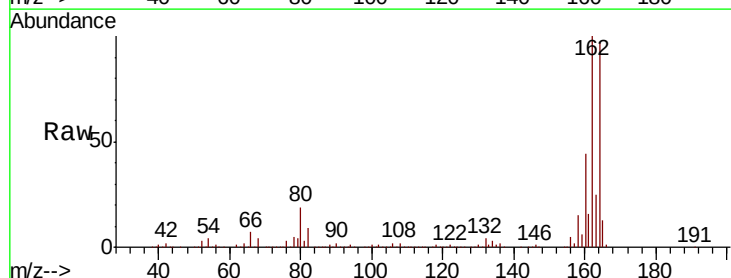
Tgt Ion:164 Resp: 566860

Ion Ratio Lower Upper

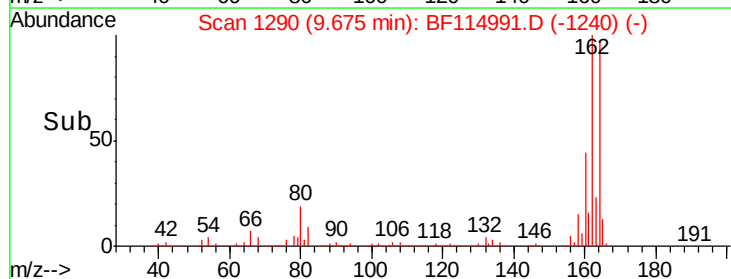
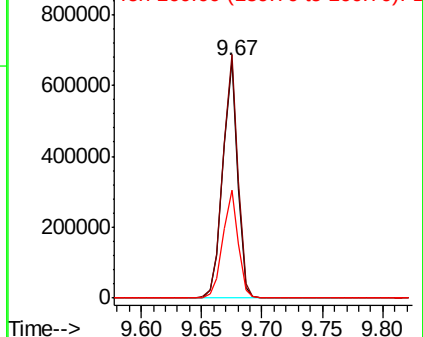
164 100

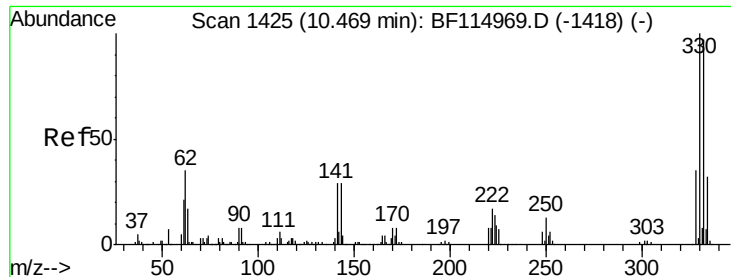
162 102.6 82.6 124.0

160 45.6 36.9 55.3



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

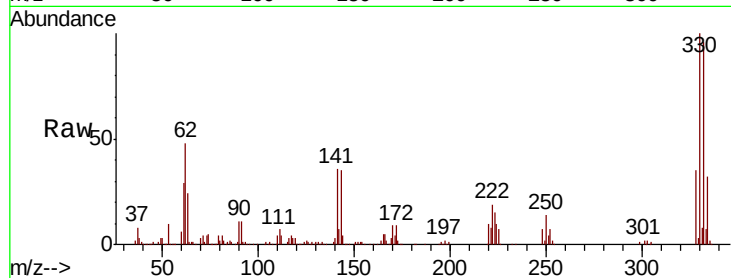




#42
 2,4,6-Tribromophenol
 Concen: 87.675 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF114991.D
 Acq: 13 Jun 2019 9:33

Instrument :
 BNA_F
 ClientSampleId :
 M-1-OW(0-10)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	33.6	27.2	40.8

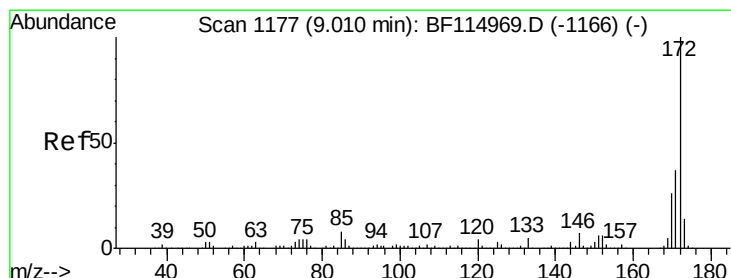
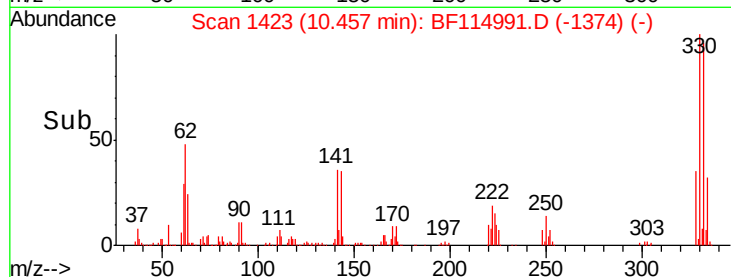
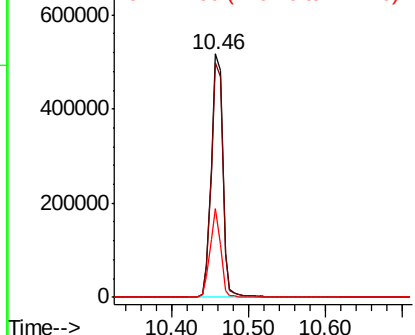


Abundance

Ion 329.80 (329.50 to 330.50): E

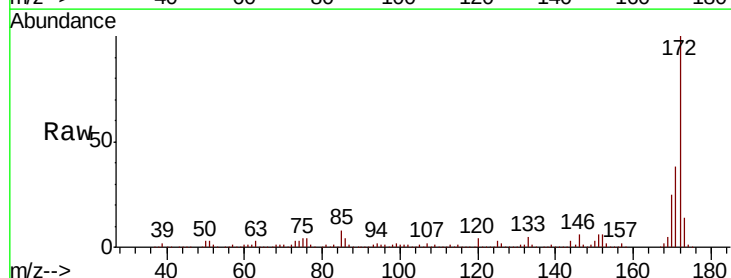
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.321 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF114991.D
 Acq: 13 Jun 2019 9:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.8	44.6
170	25.2	20.6	31.0

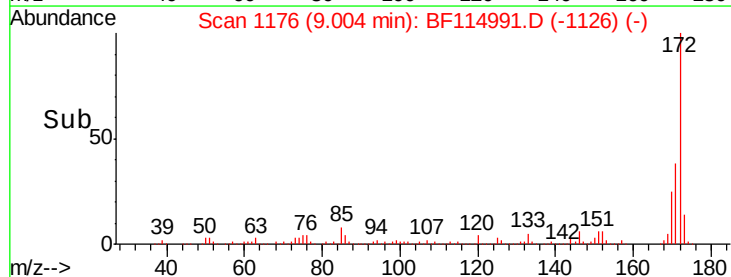
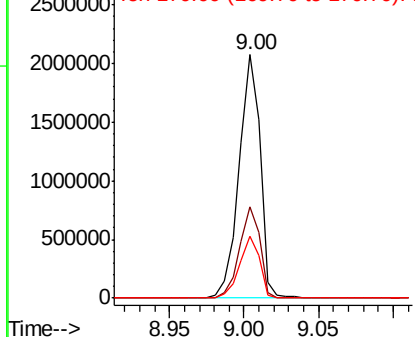


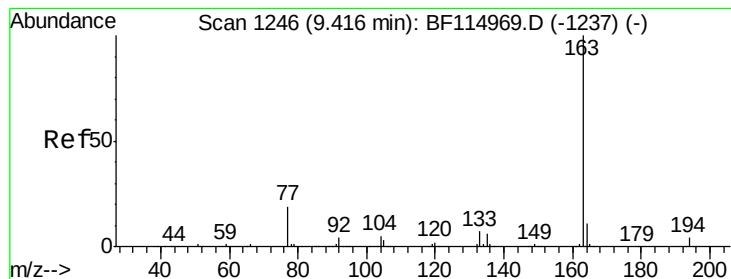
Abundance

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: 10.067 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Instrument :

BNA_F

ClientSampleId :

M-1-OW(0-10)

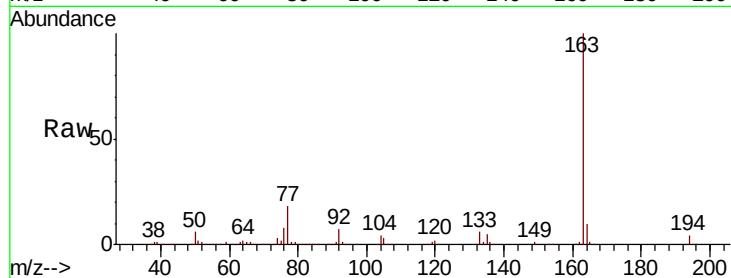
Tot Ion:163 Resp: 429172

Ion Ratio Lower Upper

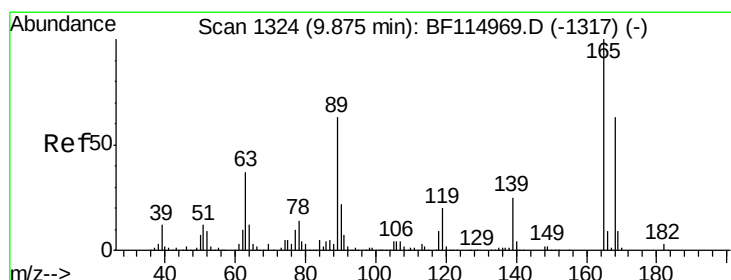
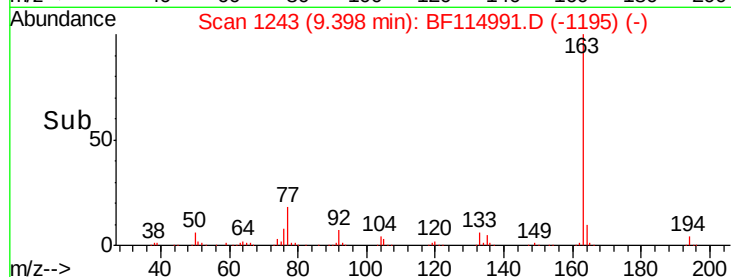
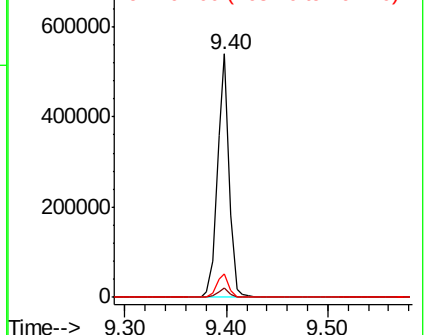
163 100

194 3.9 3.3 4.9

164 9.7 8.6 12.8



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: 5.904 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.20 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Tgt Ion:165 Resp: 72672

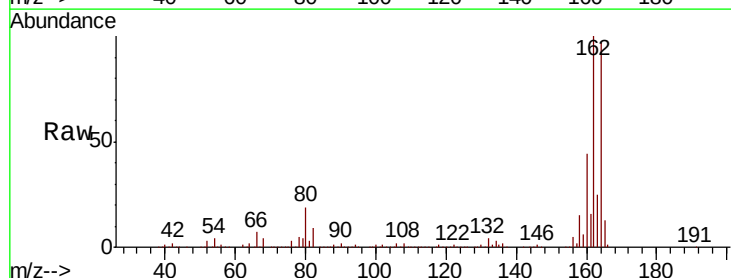
Ion Ratio Lower Upper

165 100

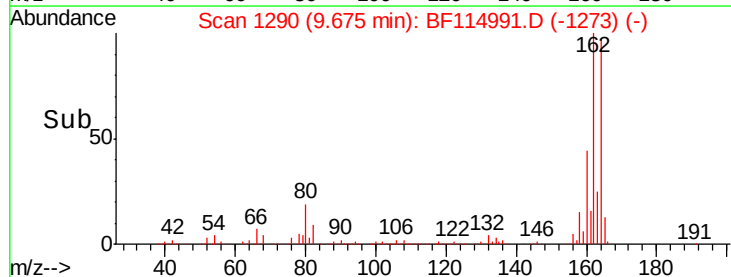
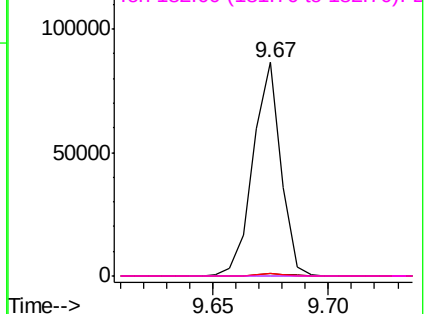
63 1.1 29.4 44.2#

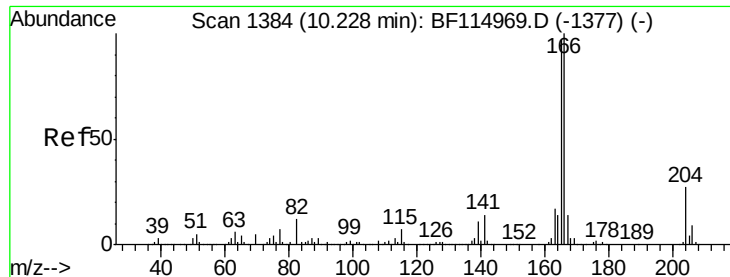
89 1.2 50.6 75.8#

182 0.0 2.2 3.2#



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





#58

Fluorene

Concen: Below Cal

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Instrument :

BNA_F

ClientSampleId :

M-1-OW(0-10)

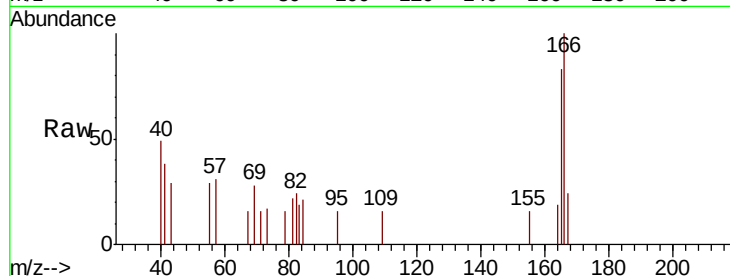
Tot Ion:166 Resp: 1794

Ion Ratio Lower Upper

166 100

165 83.2 77.6 116.4

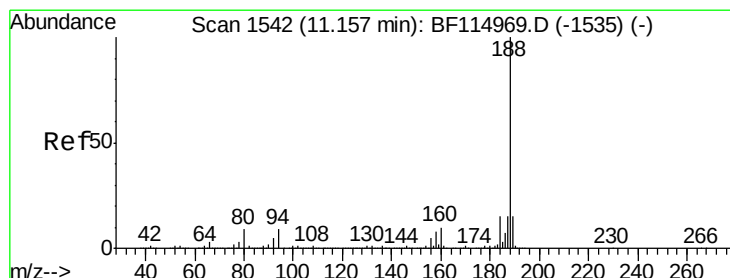
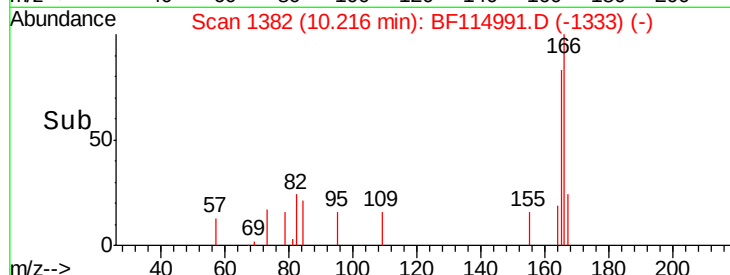
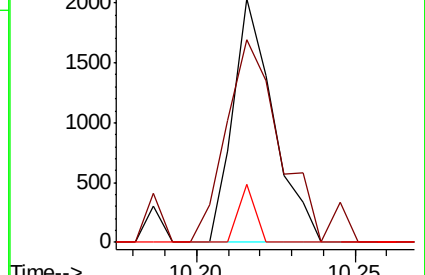
167 24.0 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

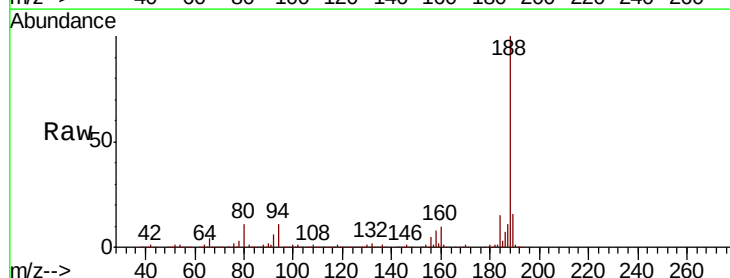
Tgt Ion:188 Resp: 1031756

Ion Ratio Lower Upper

188 100

94 10.6 7.2 10.8

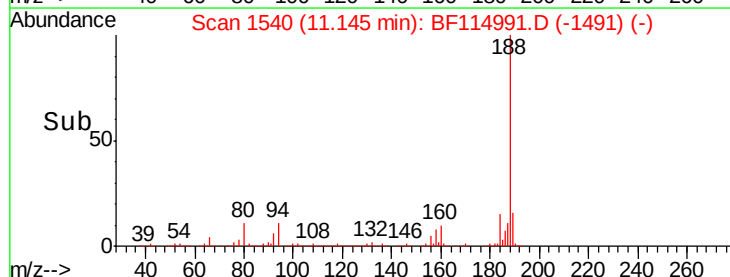
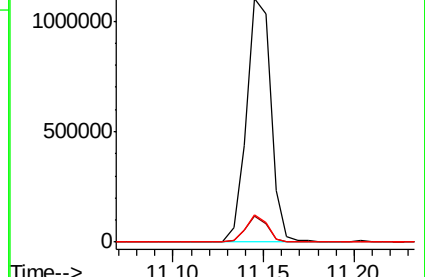
80 11.0 7.4 11.2

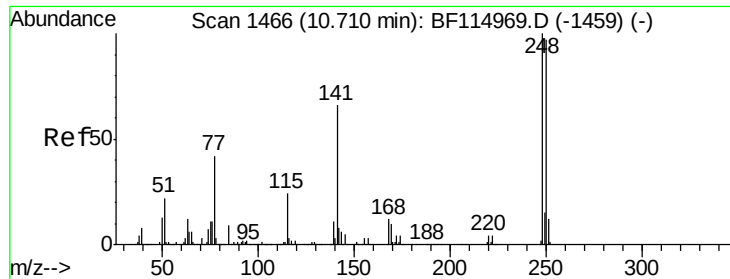


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#67

4-Bromophenyl-phenylether

Concen: 3.061 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.25 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

Instrument :

BNA_F

ClientSampleId :

M-1-OW(0-10)

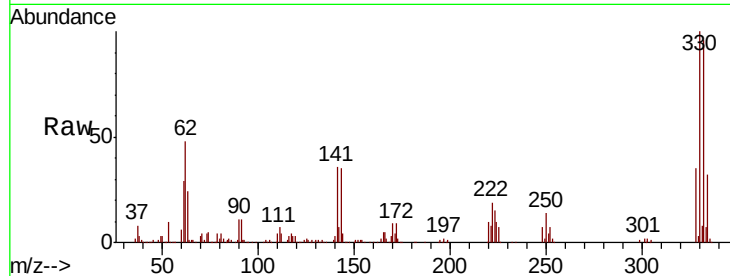
Tot Ion:248 Resp: 33915

Ion Ratio Lower Upper

248 100

250 205.4 77.8 116.8#

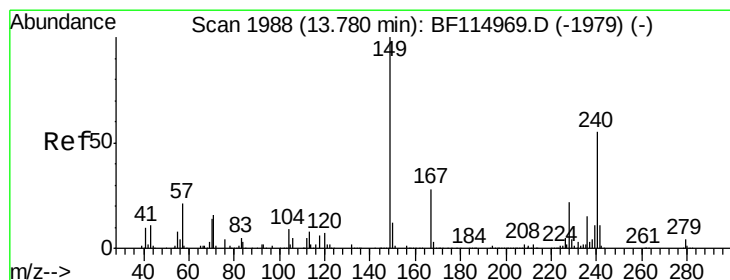
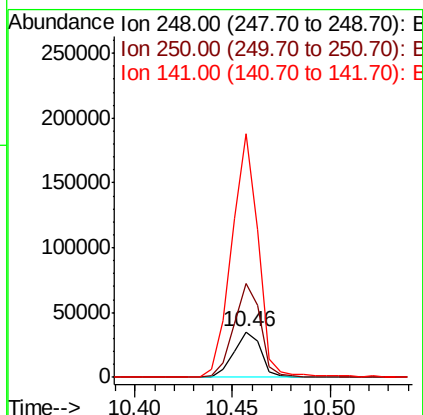
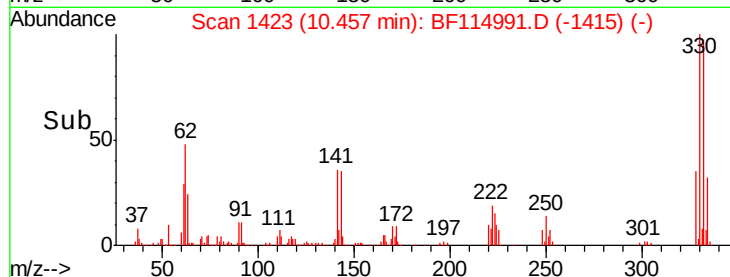
141 534.9 53.1 79.7#



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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF114991.D

Acq: 13 Jun 2019 9:33

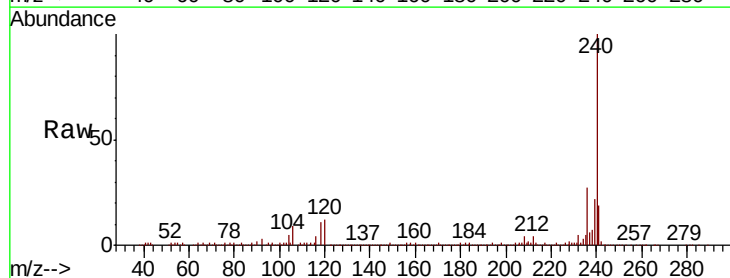
Tgt Ion:240 Resp: 596244

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

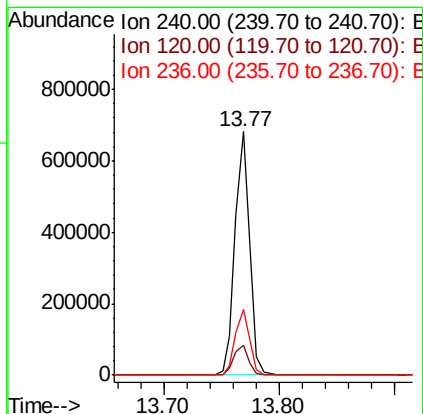
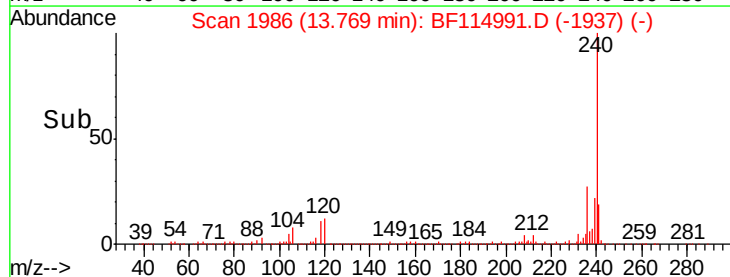
236 26.9 21.6 32.4

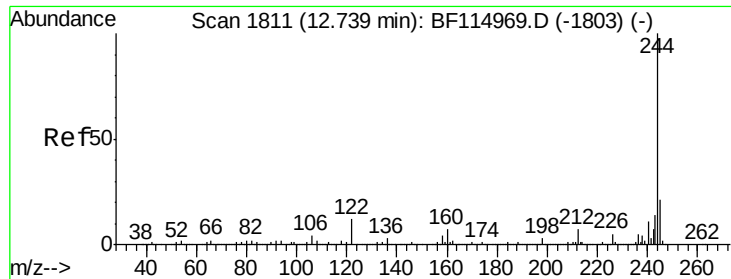


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

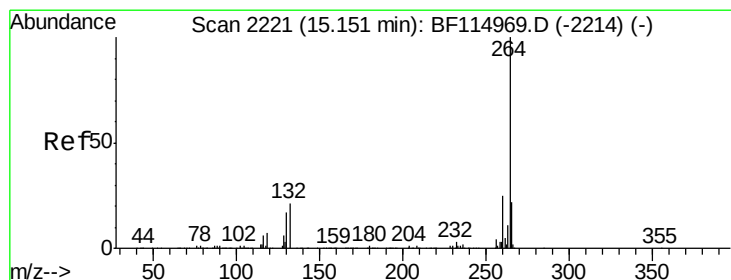
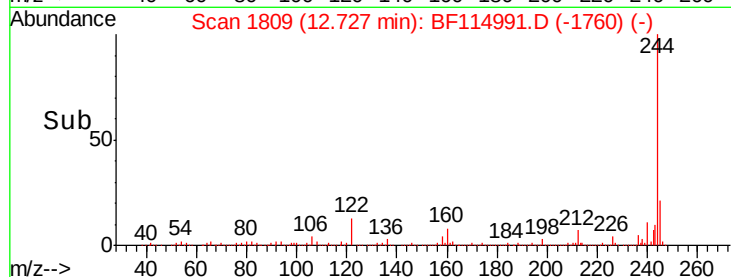
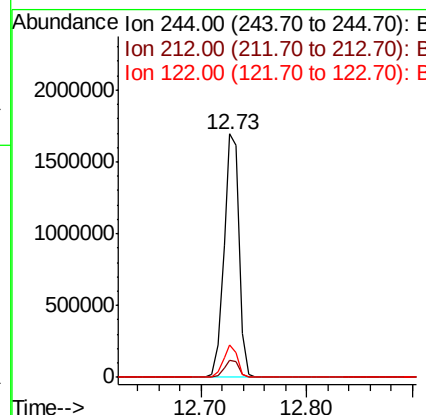
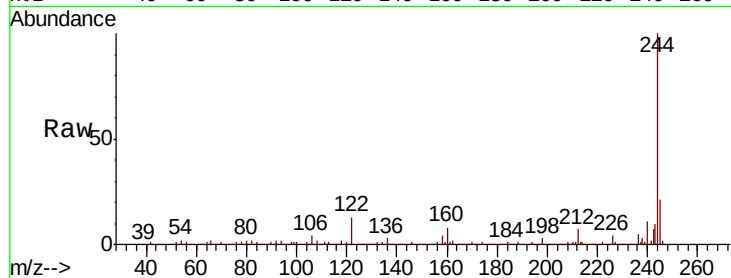




#79
 Terphenyl-d14
 Concen: 53.752 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF114991.D
 Acq: 13 Jun 2019 9:33

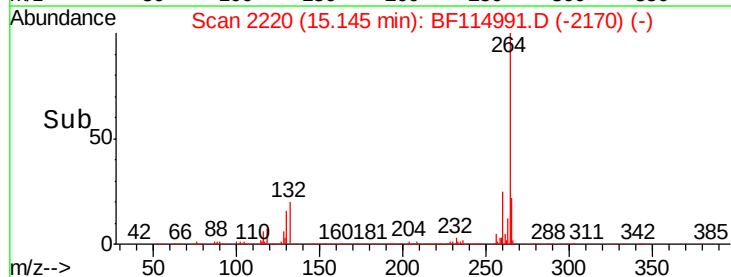
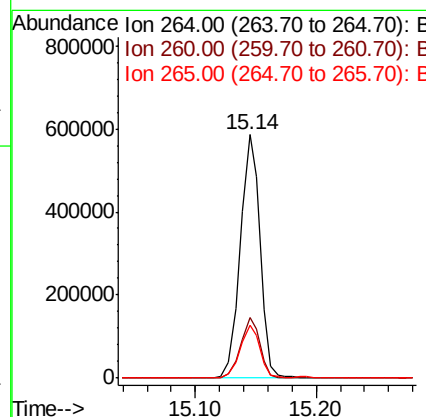
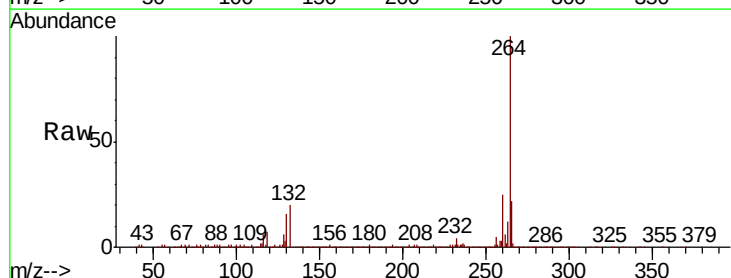
Instrument :
 BNA_F
 ClientSampleId :
 M-1-OW(0-10)

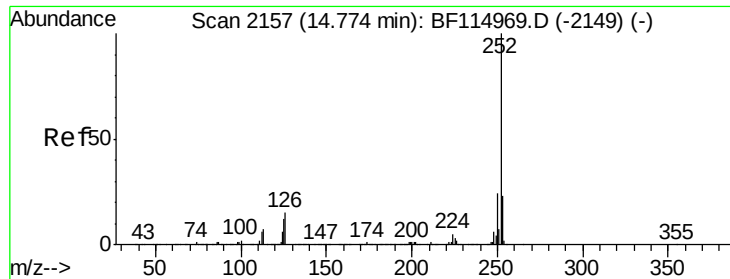
Tot Ion:244 Resp: 1703975
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 13.3 9.4 14.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.14 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF114991.D
 Acq: 13 Jun 2019 9:33

Tgt Ion:264 Resp: 670149
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.9 29.9
 265 21.9 17.6 26.4

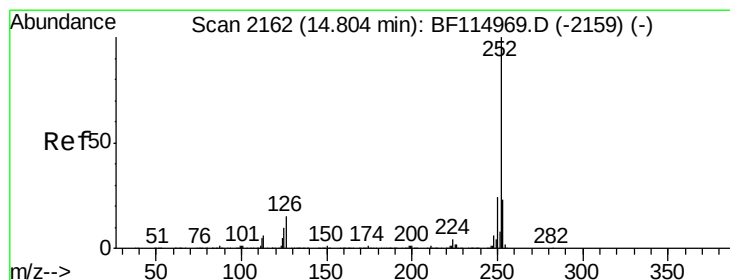
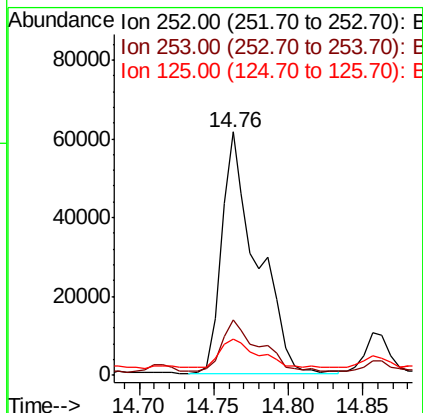
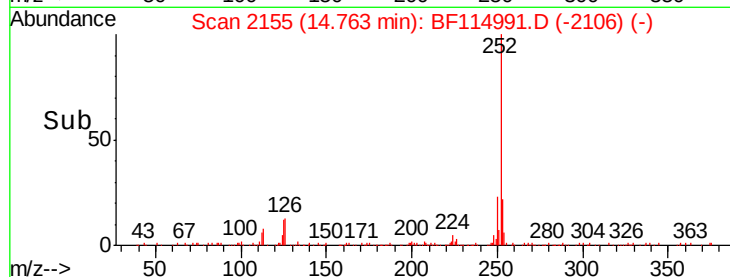
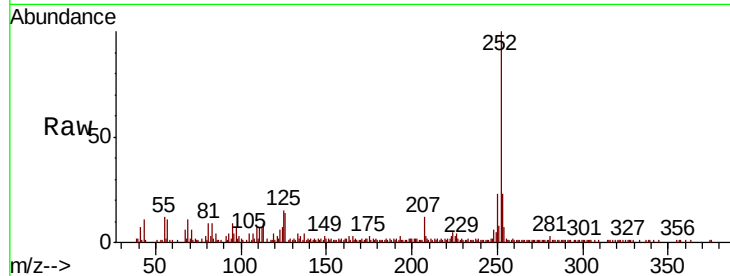




#88
Benzo(b)fluoranthene
Concen: 2.229 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF114991.D
Acq: 13 Jun 2019 9:33

Instrument :
BNA_F
ClientSampleId :
M-1-OW(0-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.0	9.4	14.0



#89
Benzo(k)fluoranthene
Concen: 2.540 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.04 min
Lab File: BF114991.D
Acq: 13 Jun 2019 9:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	15.0	8.2	12.4

