

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111426.D
 Acq On : 14 Dec 2018 18:40
 Operator : JU/SJ
 Sample : J6319-07DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 19:07:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	171415	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	675982	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	280209	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	387618	20.00	ng	0.00
76) Chrysene-d12	13.95	240	363148	20.00	ng	0.00
87) Perylene-d12	15.39	264	291080	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	240524	23.35	ng	0.00
7) Phenol-d6	6.43	99	297931	21.74	ng	-0.01
23) Nitrobenzene-d5	7.35	82	174149	15.34	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	41730	16.62	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	304327	16.78	ng	0.00
79) Terphenyl-d14	12.89	244	192341	12.44	ng	0.00

Target Compounds

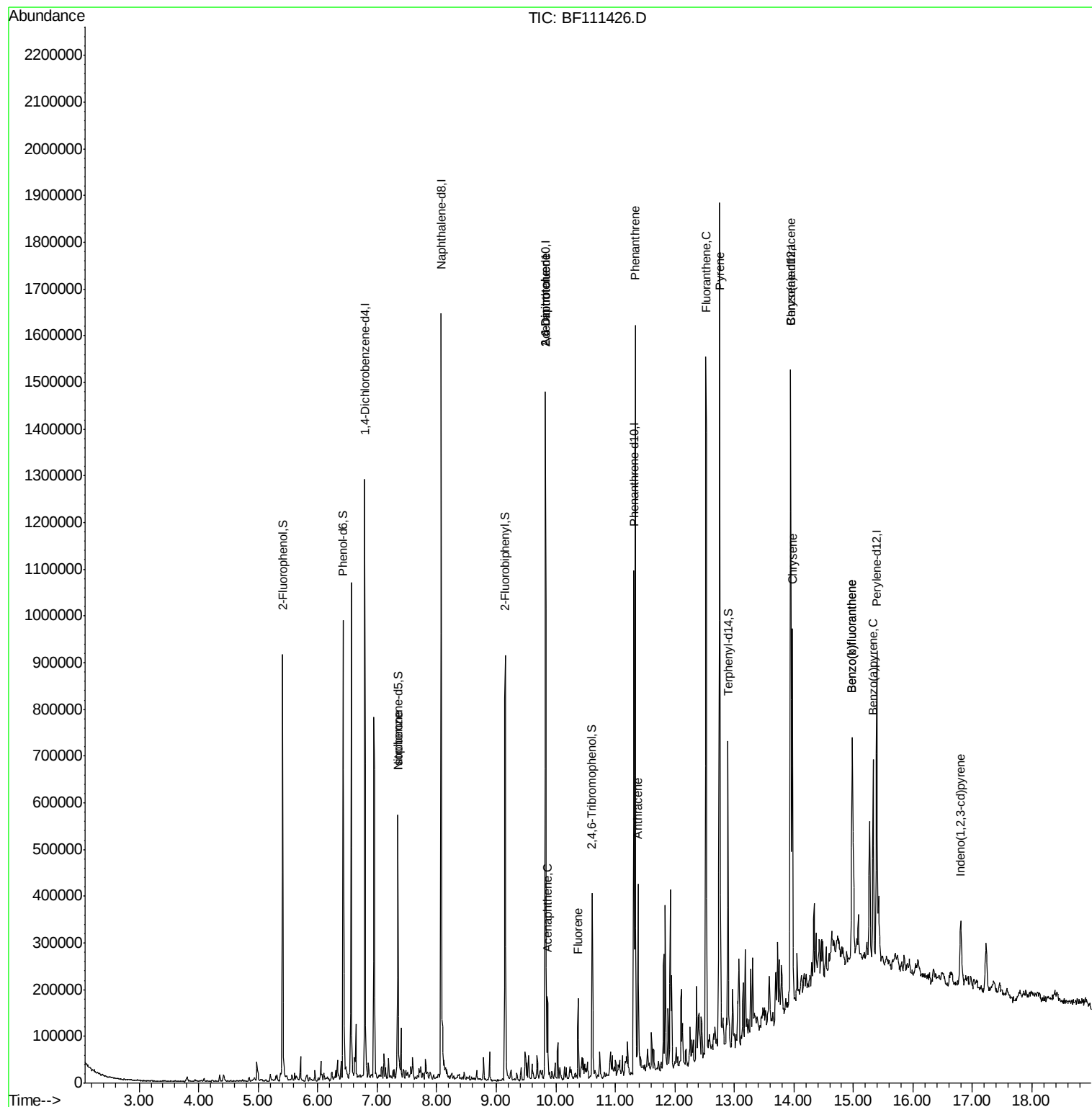
						Qvalue
25) Isophorone	7.35	82	171783	8.944	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	37321	8.216	ng	# 29
52) Acenaphthene	9.86	154	34188	2.019	ng	97
57) 2,4-Dinitrotoluene	9.83	165	37321	6.260	ng	# 25
58) Fluorene	10.37	166	45932	2.577	ng	99
71) Phenanthrene	11.33	178	594053	29.742	ng	93
72) Anthracene	11.39	178	152399	7.461	ng	94
75) Fluoranthene	12.52	202	606541	31.041	ng	98
78) Pyrene	12.75	202	750831	29.326	ng	96
81) Benzo(a)anthracene	13.94	228	325475	16.483	ng	99
83) Chrysene	13.97	228	285932	13.746	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	80961	5.393	ng	# 91
88) Benzo(b)fluoranthene	14.98	252	344235	20.284	ng	98
89) Benzo(k)fluoranthene	14.98	252	344235	21.229	ng	98
90) Benzo(a)pyrene	15.33	252	202627	13.241	ng	97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111426.D
Acq On : 14 Dec 2018 18:40
Operator : JU/SJ
Sample : J6319-07DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 14 19:07:39 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :
BNA_F
ClientSampleId :

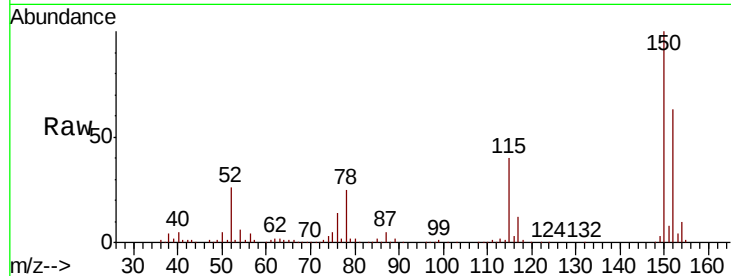
Tot Ion:152 Resp: 171415

Ion Ratio Lower Upper

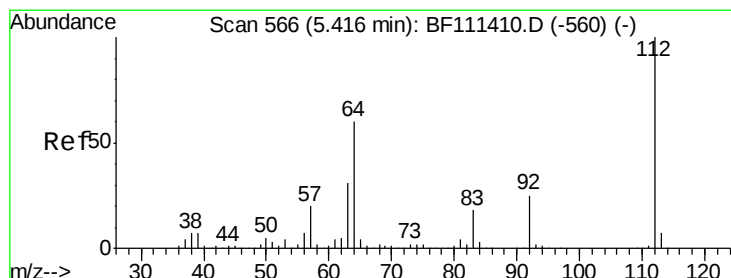
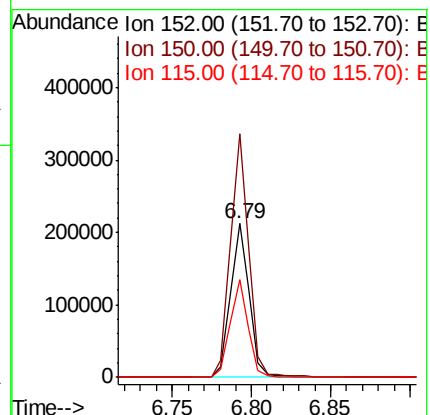
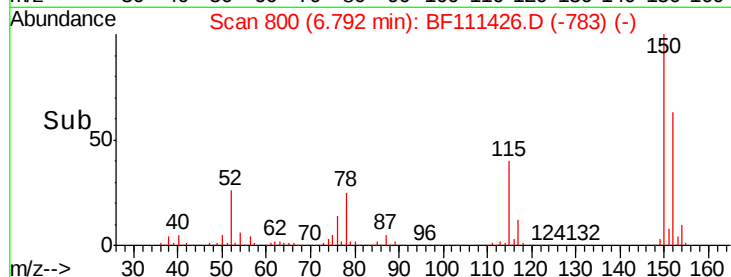
152 100

150 158.6 126.6 189.8

115 63.5 50.7 76.1



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: 23.350 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

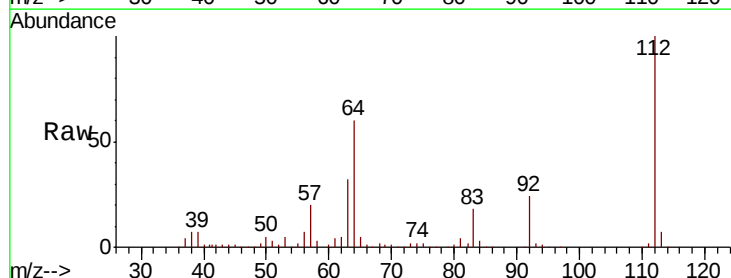
Tgt Ion:112 Resp: 240524

Ion Ratio Lower Upper

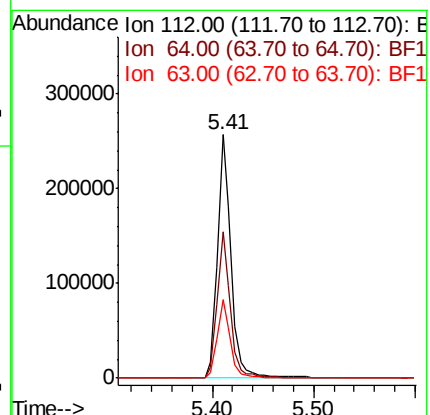
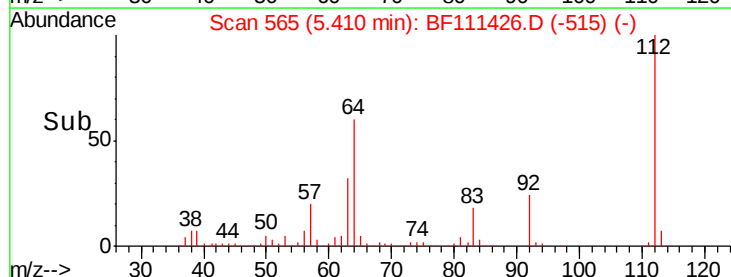
112 100

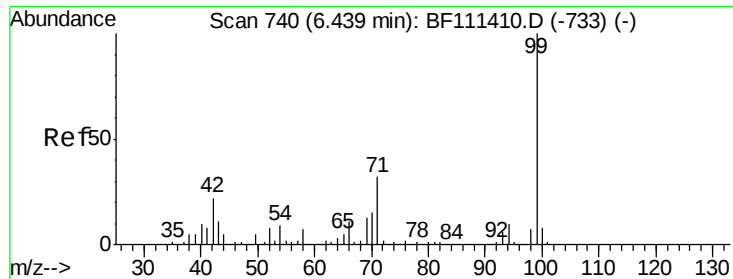
64 60.4 51.8 77.6

63 32.1 26.8 40.2



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: 21.743 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampleId :

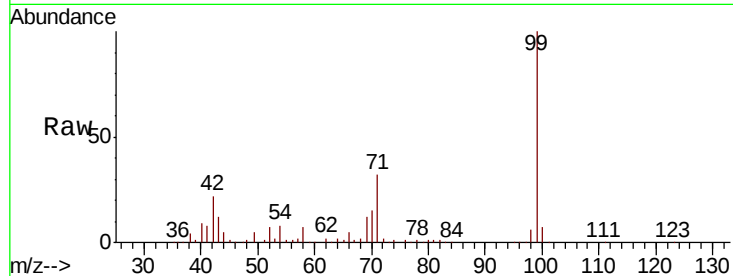
Tot Ion: 99 Resp: 297931

Ion Ratio Lower Upper

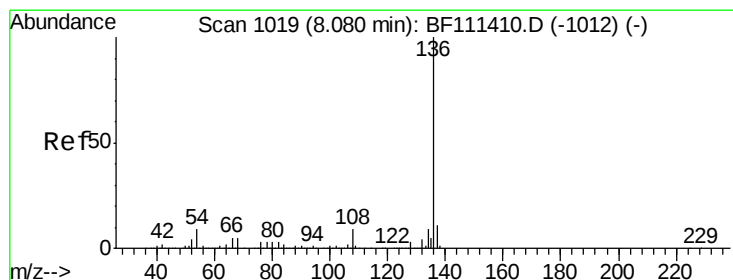
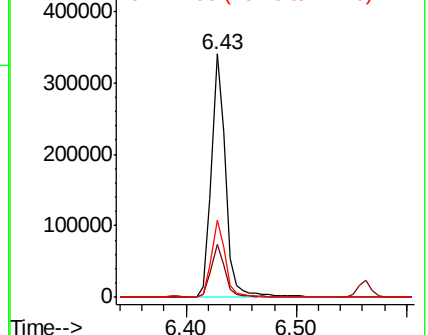
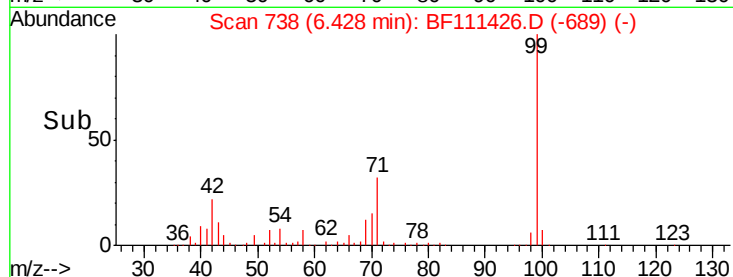
99 100

42 21.9 17.4 26.0

71 31.9 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Tgt Ion: 136 Resp: 675982

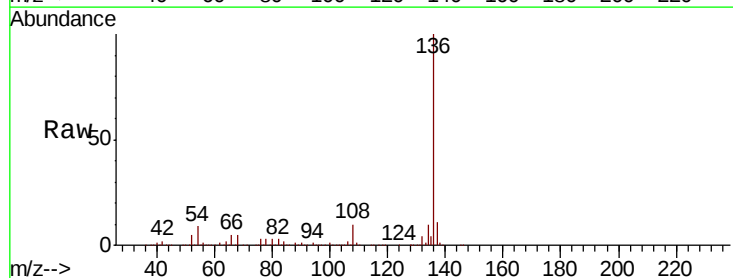
Ion Ratio Lower Upper

136 100

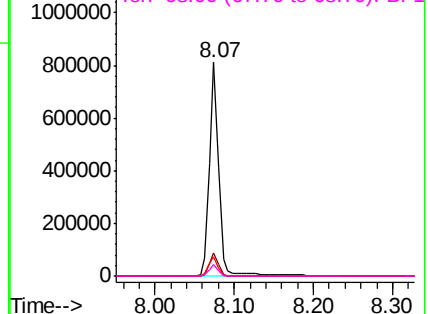
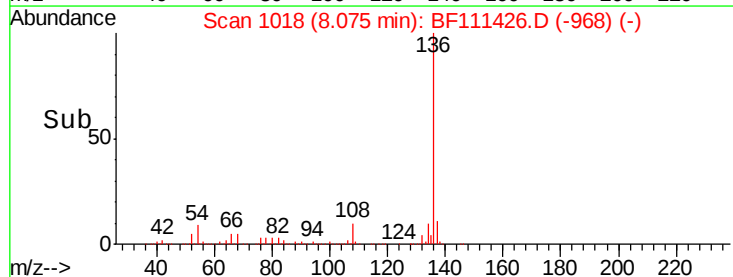
137 11.0 9.1 13.7

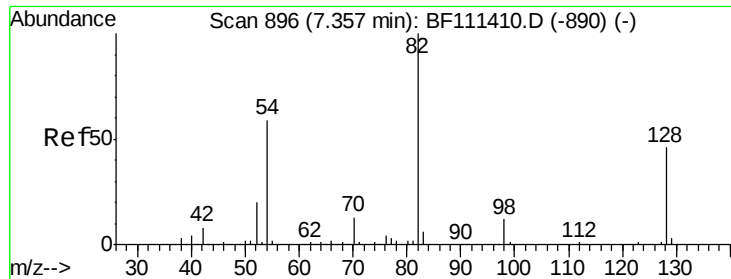
54 9.1 7.7 11.5

68 5.5 4.9 7.3



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

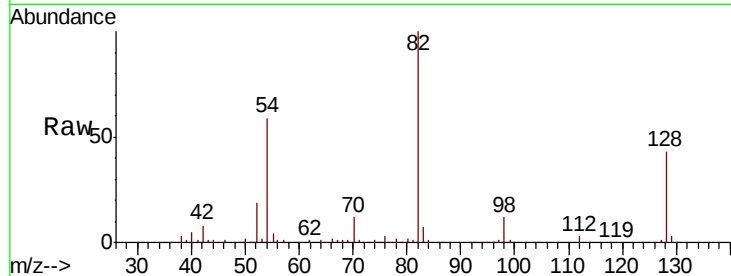




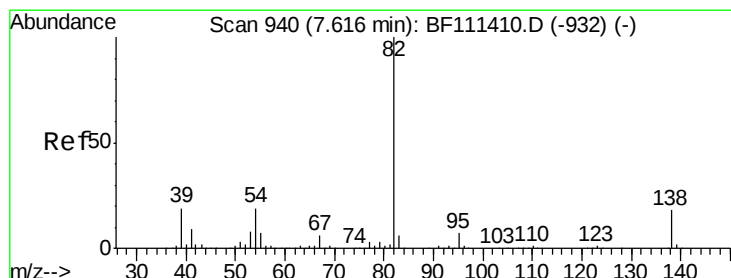
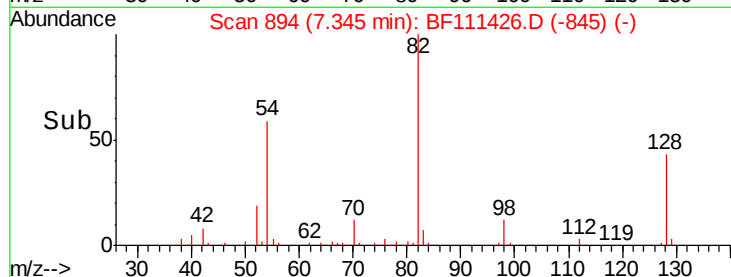
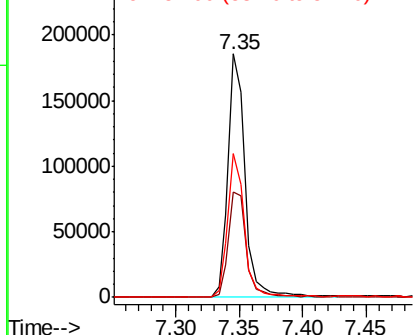
#23
Nitrobenzene-d5
Concen: 15.341 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111426.D
Acq: 14 Dec 2018 18:40

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 174149
Ion Ratio Lower Upper
82 100
128 43.1 37.4 56.2
54 59.3 47.6 71.4

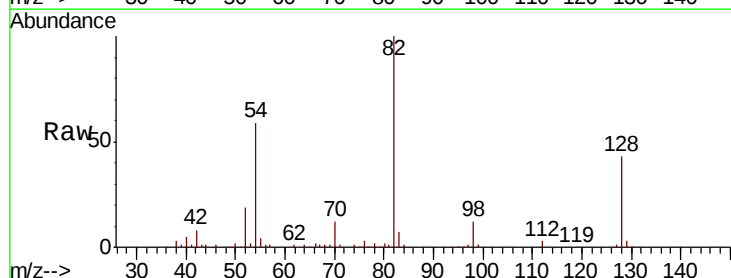


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

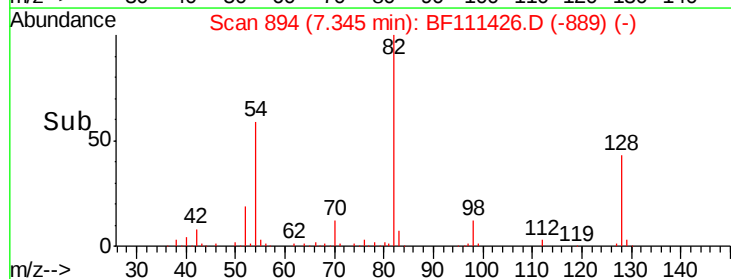
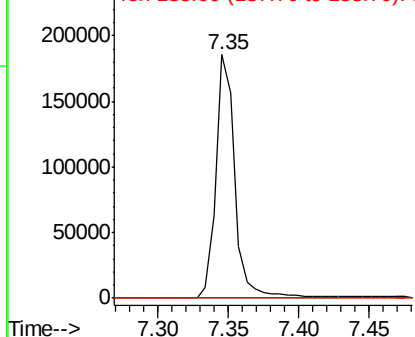


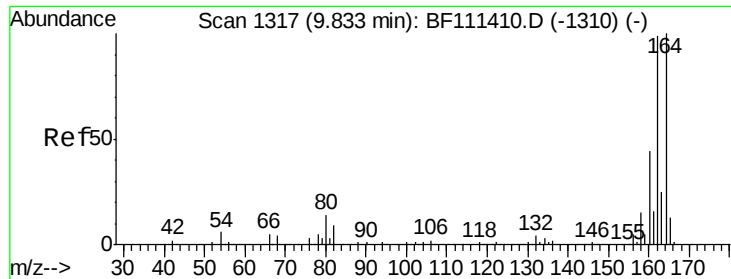
#25
Isophorone
Concen: 8.944 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.27 min
Lab File: BF111426.D
Acq: 14 Dec 2018 18:40

Tgt Ion: 82 Resp: 171783
Ion Ratio Lower Upper
82 100
95 0.3 5.4 8.2#
138 0.0 15.1 22.7#



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

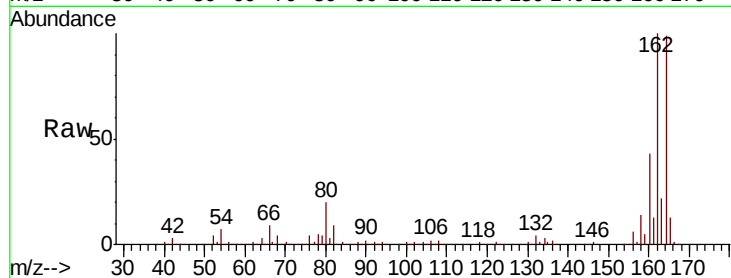




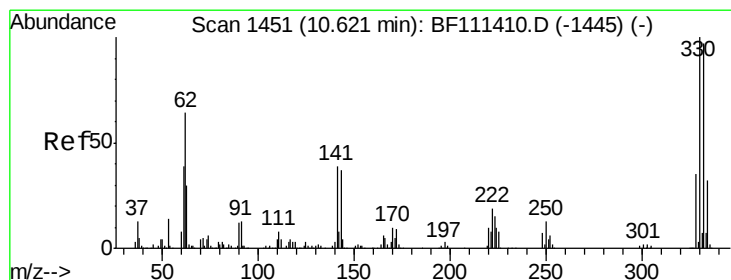
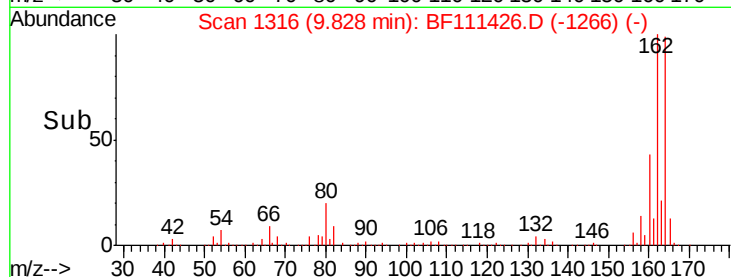
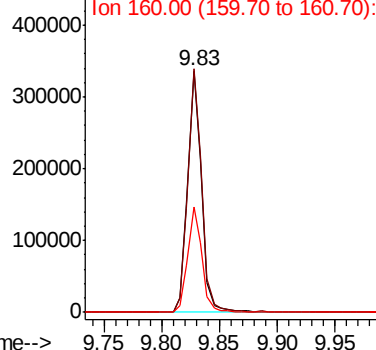
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111426.D
Acq: 14 Dec 2018 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 280209
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 43.6 35.7 53.5

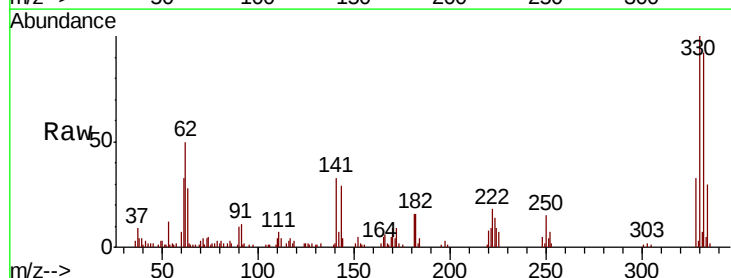


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

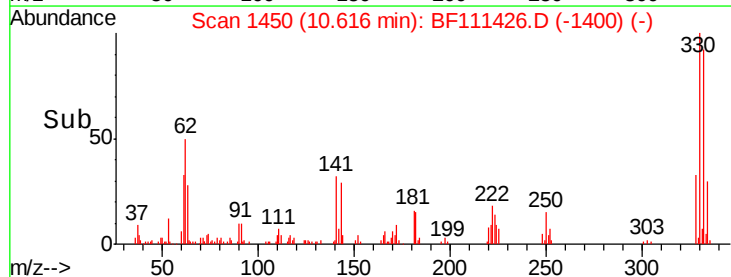
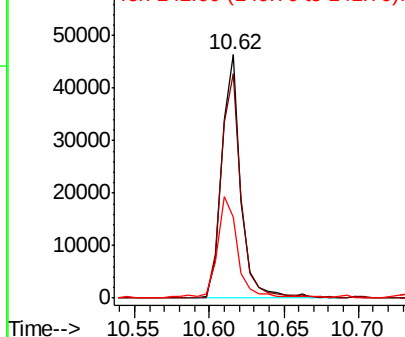


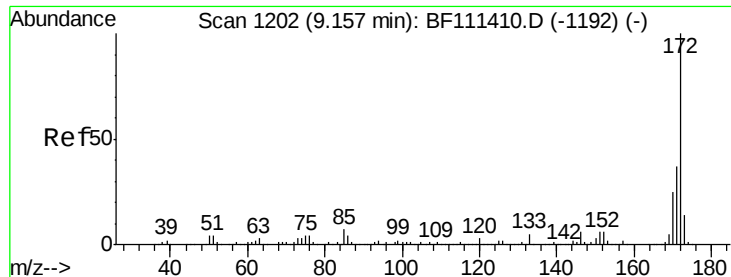
#42
2,4,6-Tribromophenol
Concen: 16.625 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111426.D
Acq: 14 Dec 2018 18:40

Tgt Ion:330 Resp: 41730
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 45.9 31.0 46.6



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

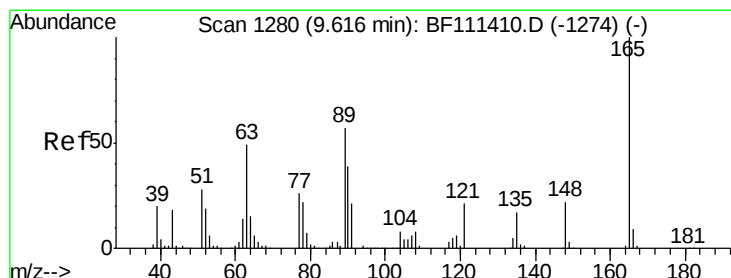
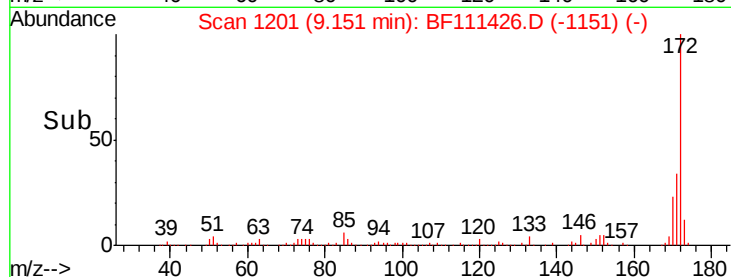
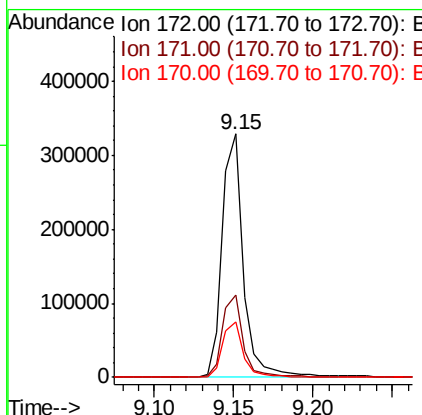
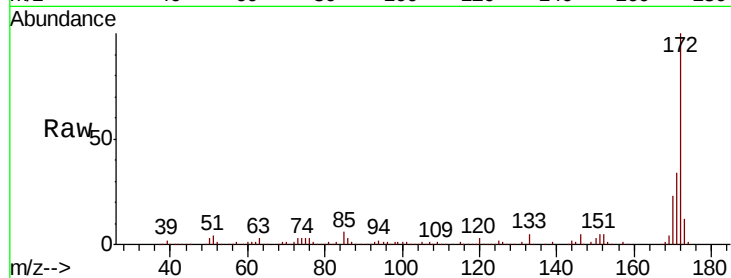




#45
 2-Fluorobiphenyl
 Concen: 16.776 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111426.D
 Acq: 14 Dec 2018 18:40

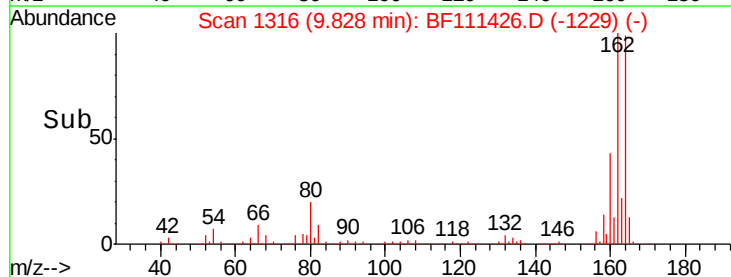
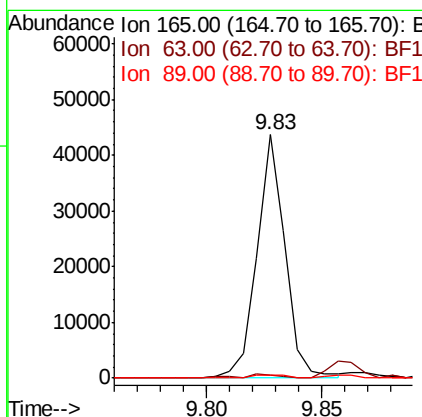
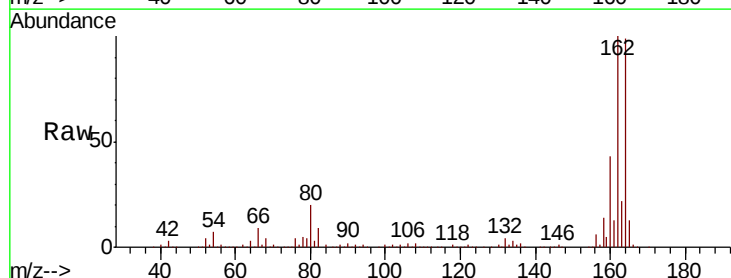
Instrument :
 BNA_F
 ClientSampleId :

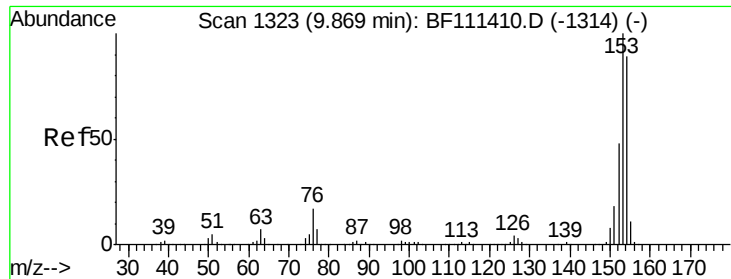
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	33.0	49.4
170	22.7	22.3	33.5



#51
 2,6-Dinitrotoluene
 Concen: 8.216 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111426.D
 Acq: 14 Dec 2018 18:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.5	60.7#
89	1.4	40.0	60.0#





#52

Acenaphthene

Concen: 2.019 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampled :

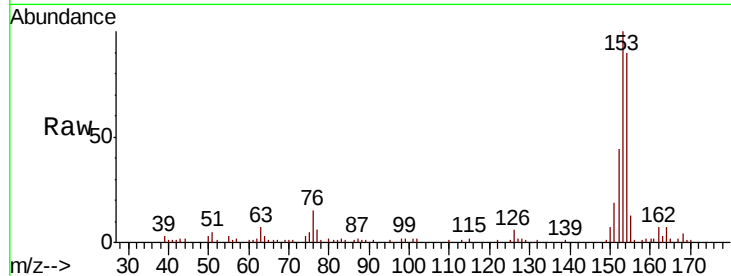
Tot Ion:154 Resp: 34188

Ion Ratio Lower Upper

154 100

153 110.8 87.8 131.8

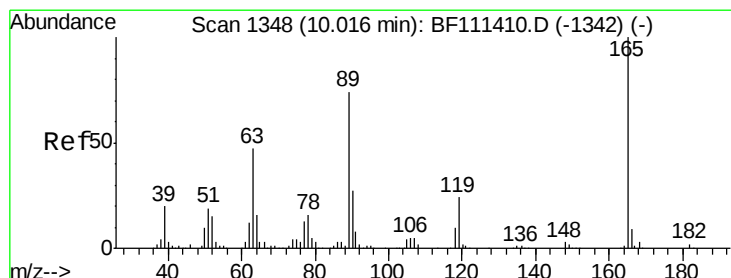
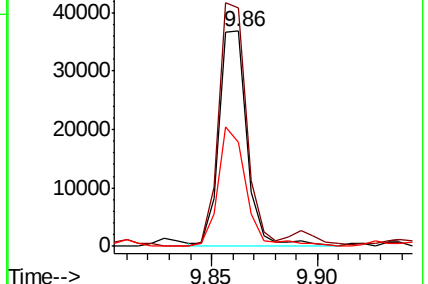
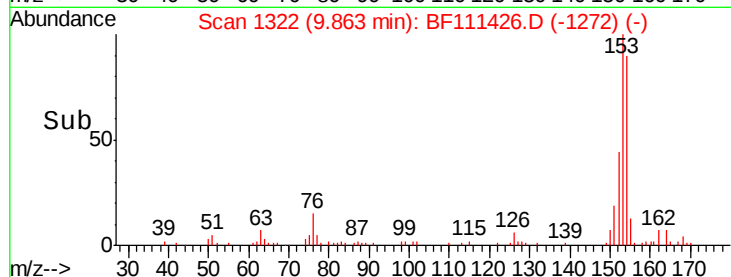
152 48.7 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.260 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Tgt Ion:165 Resp: 37321

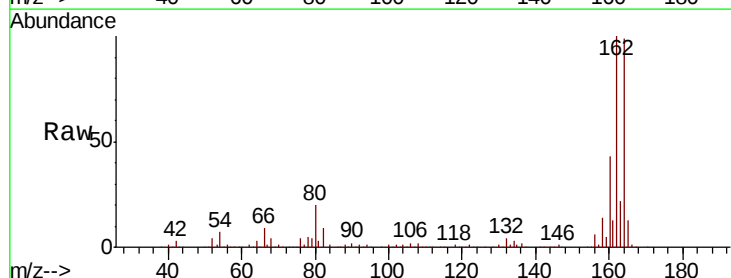
Ion Ratio Lower Upper

165 100

63 1.2 34.6 52.0#

89 1.4 56.2 84.4#

182 0.0 1.8 2.6#

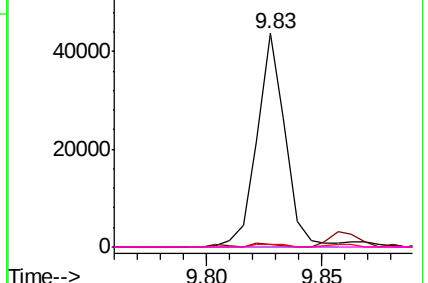
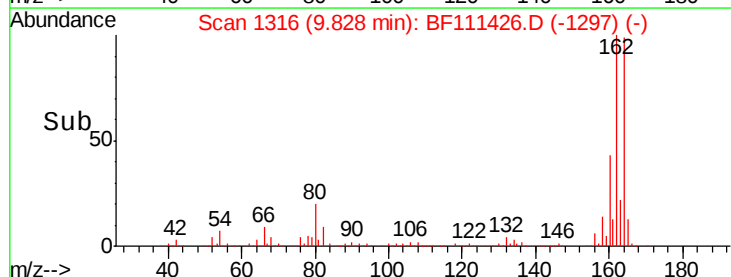


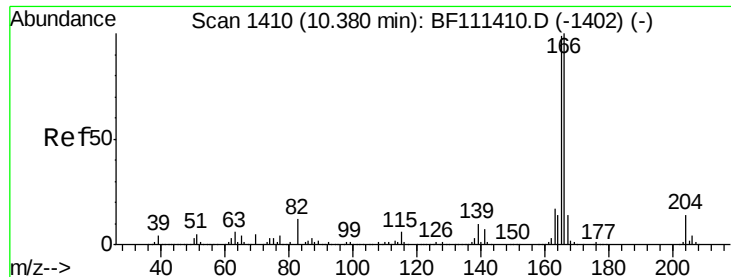
Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.577 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampleId :

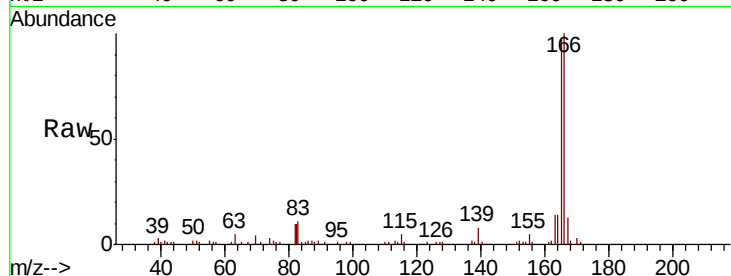
Tot Ion:166 Resp: 45932

Ion Ratio Lower Upper

166 100

165 97.5 78.4 117.6

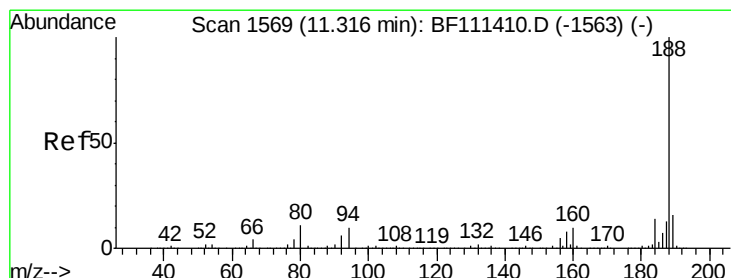
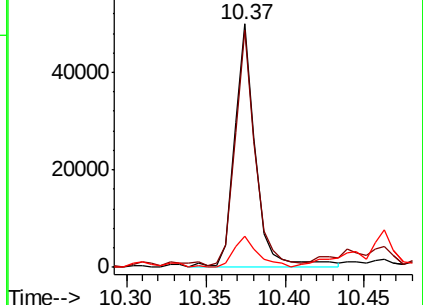
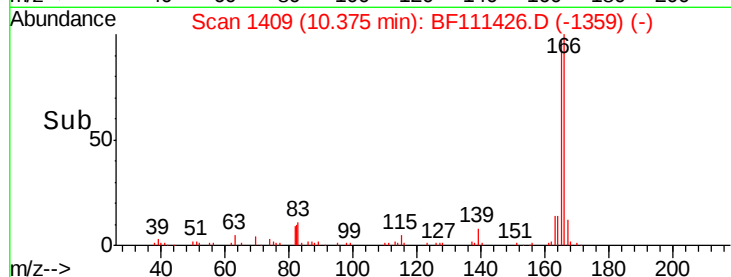
167 12.7 11.2 16.8



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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

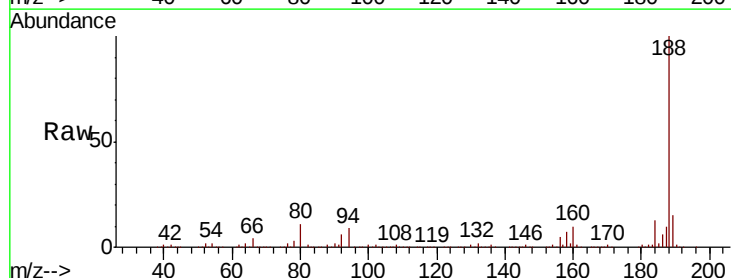
Tgt Ion:188 Resp: 387618

Ion Ratio Lower Upper

188 100

94 9.5 9.6 14.4#

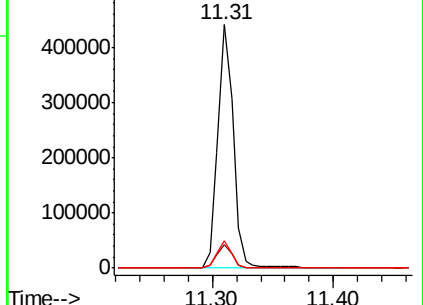
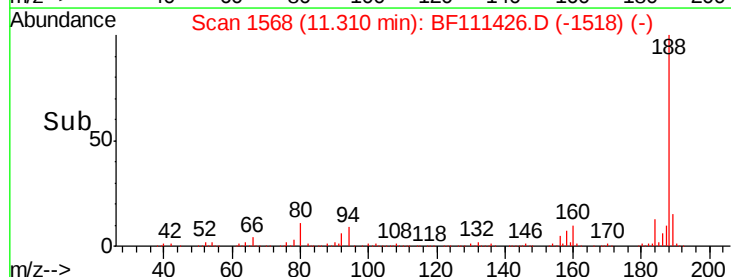
80 11.5 9.8 14.6

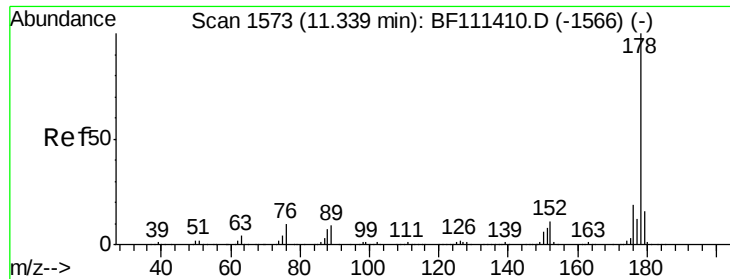


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

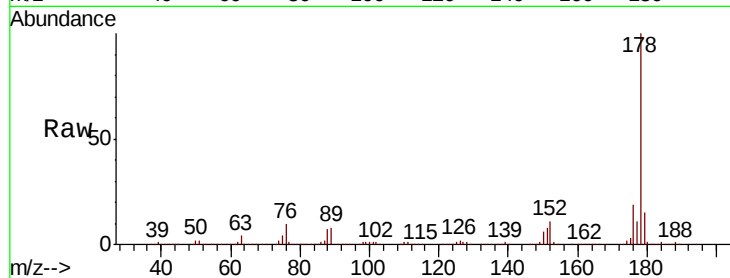




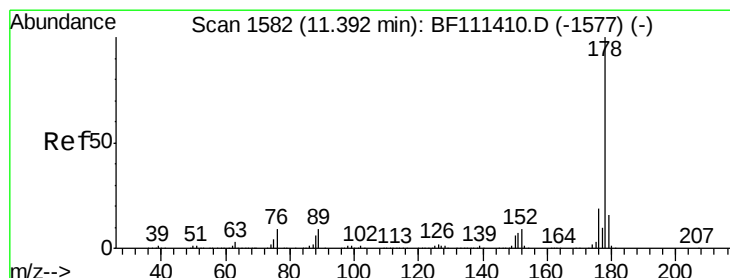
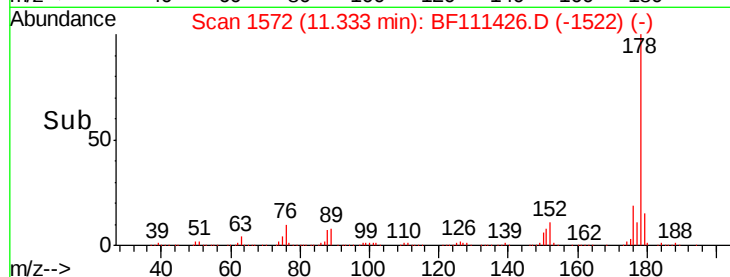
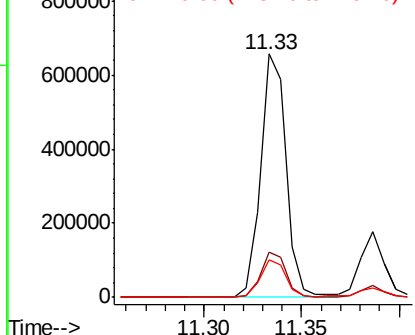
#71
 Phenanthrene
 Concen: 29.742 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111426.D
 Acq: 14 Dec 2018 18:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 594053
 Ion Ratio Lower Upper
 178 100
 176 18.8 18.1 27.1
 179 15.4 14.0 21.0

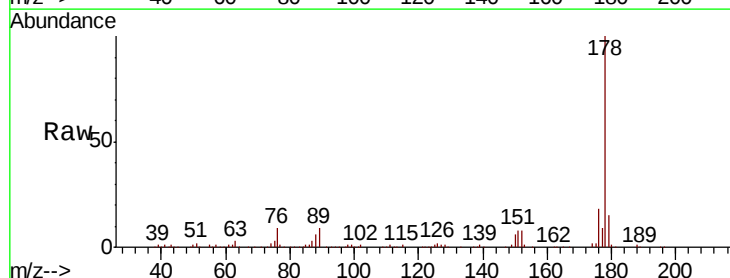


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

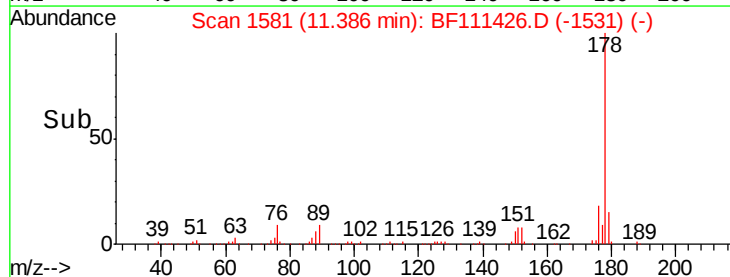
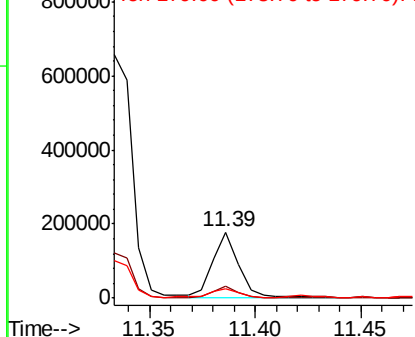


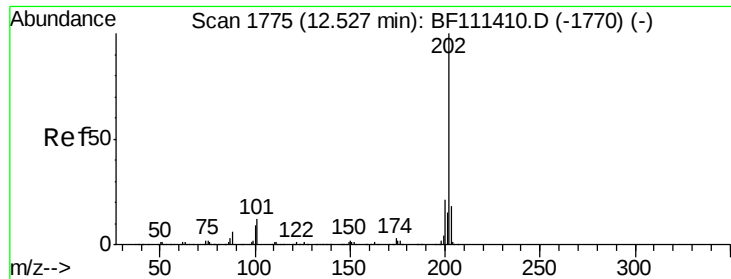
#72
 Anthracene
 Concen: 7.461 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111426.D
 Acq: 14 Dec 2018 18:40

Tgt Ion:178 Resp: 152399
 Ion Ratio Lower Upper
 178 100
 176 18.0 17.2 25.8
 179 14.9 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 31.041 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampleId :

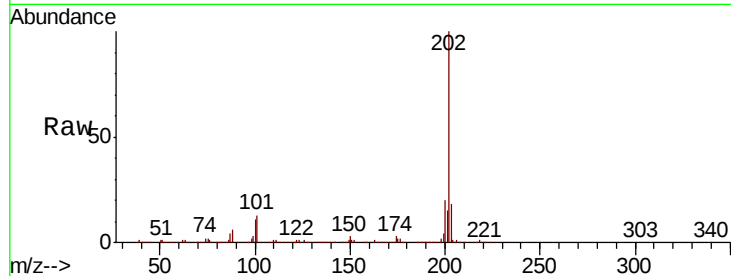
Tot Ion:202 Resp: 606541

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.8

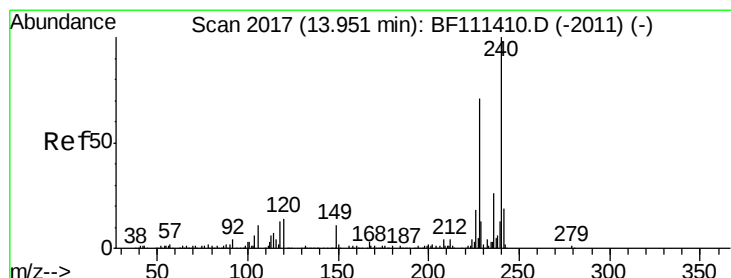
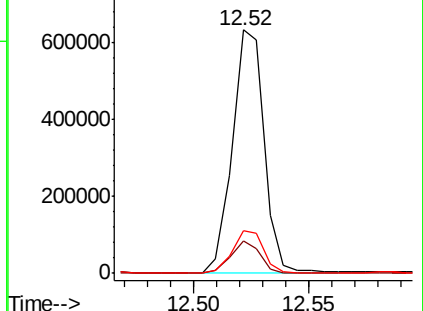
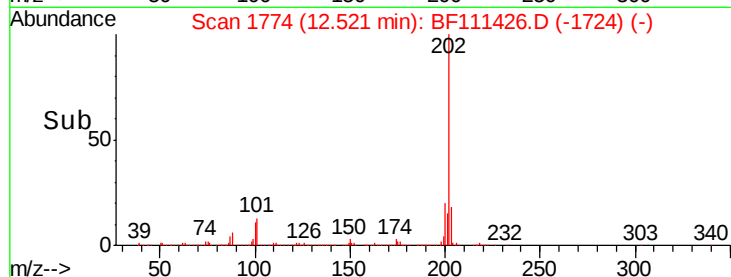
203 17.8 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

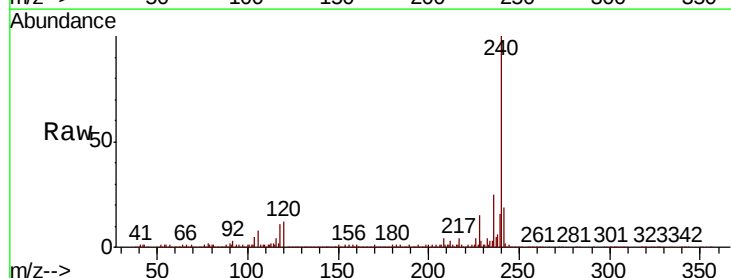
Tgt Ion:240 Resp: 363148

Ion Ratio Lower Upper

240 100

120 12.1 12.2 18.2#

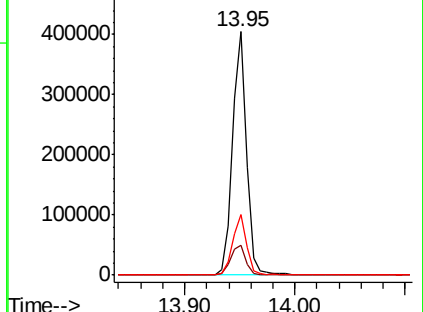
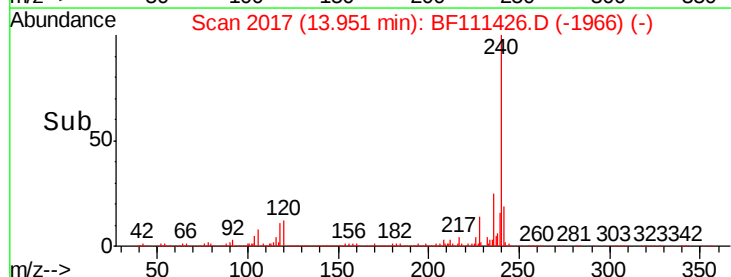
236 25.0 20.2 30.2

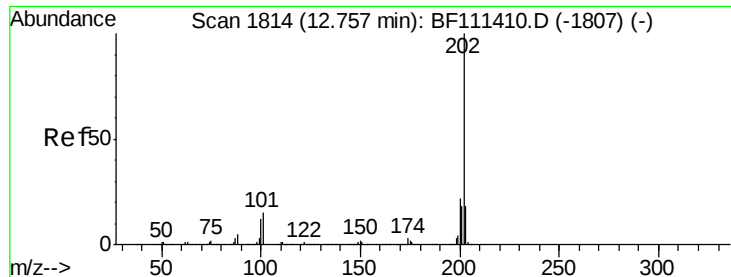


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 29.326 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampled :

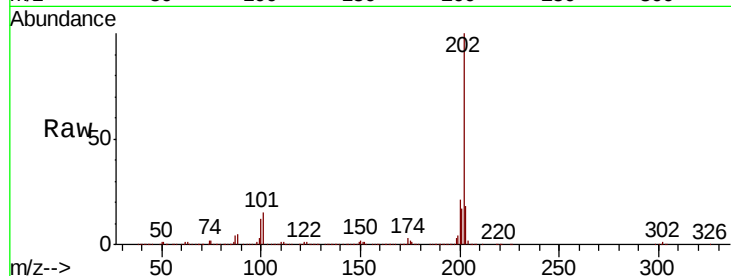
Tot Ion:202 Resp: 750831

Ion Ratio Lower Upper

202 100

200 20.8 19.0 28.4

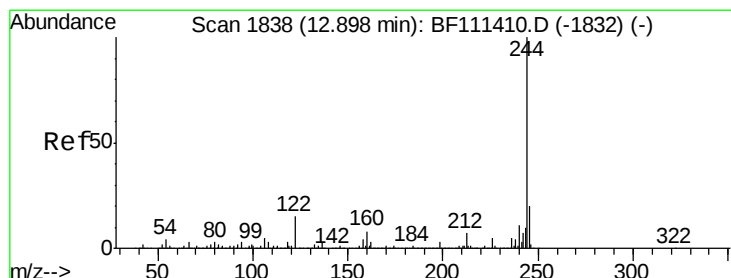
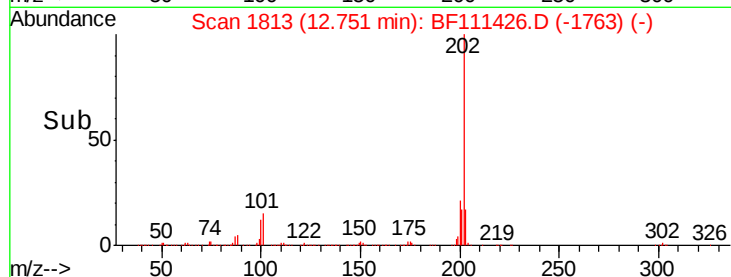
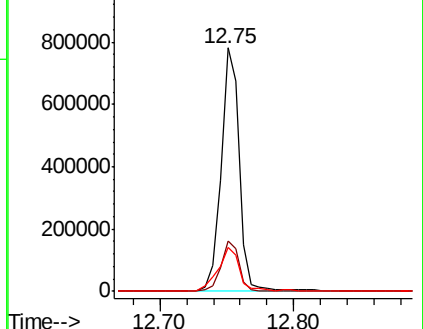
203 17.8 15.2 22.8



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: 12.437 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

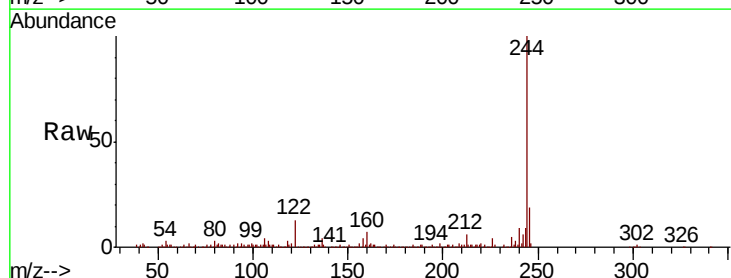
Tgt Ion:244 Resp: 192341

Ion Ratio Lower Upper

244 100

212 6.2 5.7 8.5

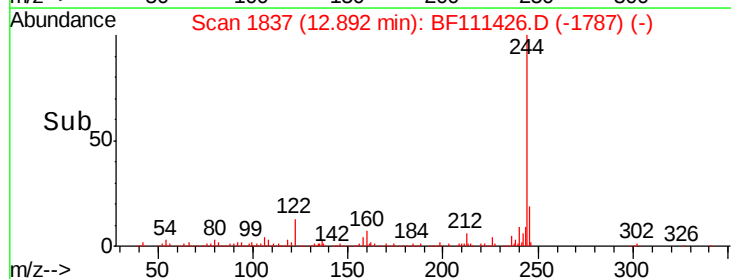
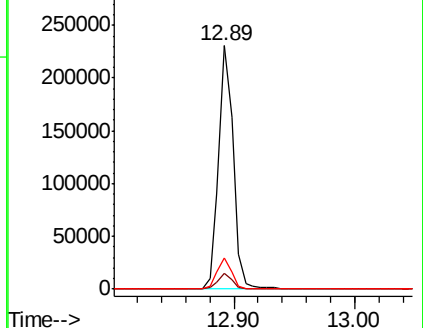
122 12.6 13.1 19.7#

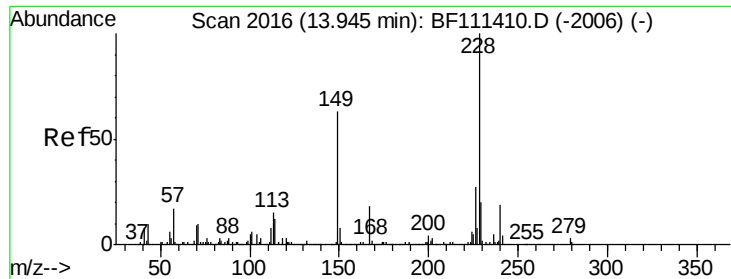


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

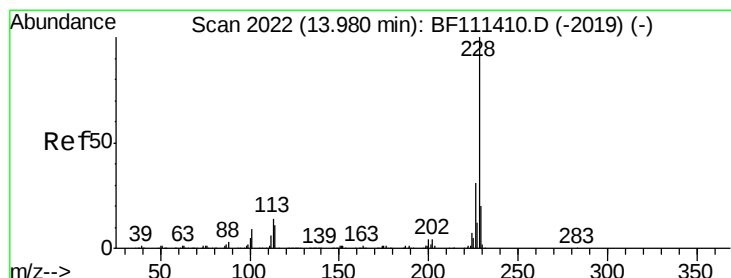
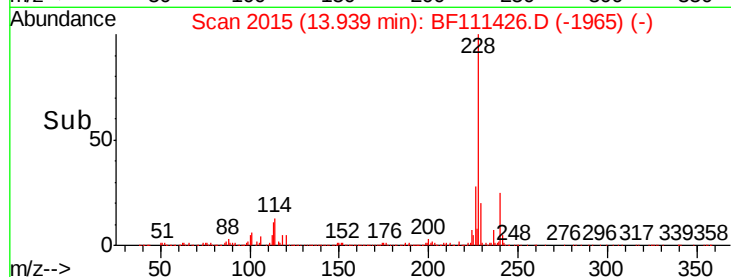
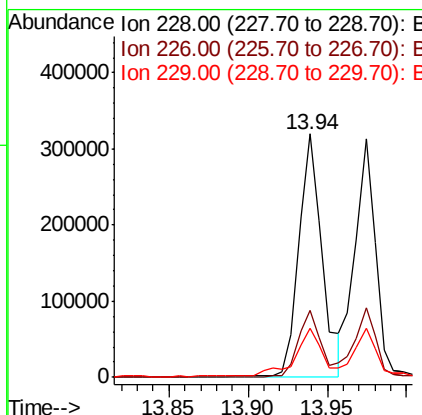
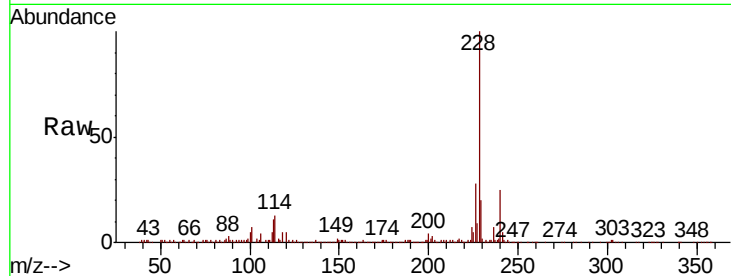




#81
Benzo(a)anthracene
Concen: 16.483 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111426.D
Acq: 14 Dec 2018 18:40

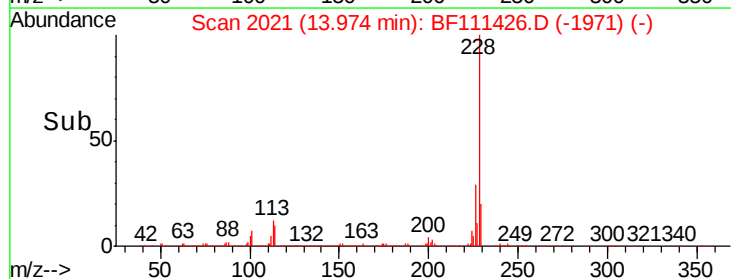
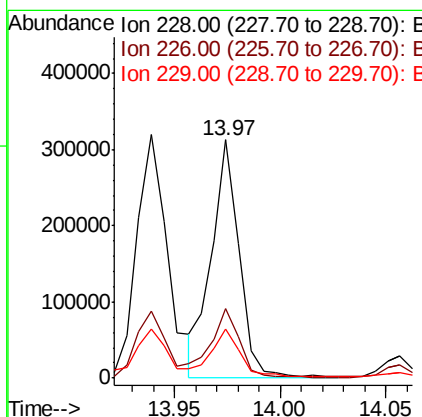
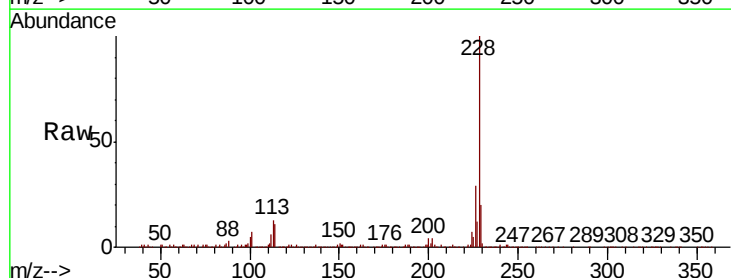
Instrument :
BNA_F
ClientSampleId :

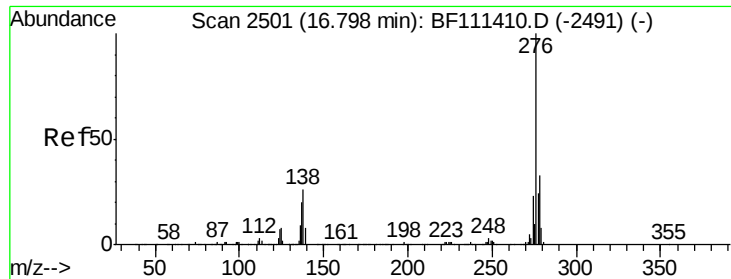
Tot Ion:228 Resp: 325475
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 20.4 16.3 24.5



#83
Chrysene
Concen: 13.746 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111426.D
Acq: 14 Dec 2018 18:40

Tgt Ion:228 Resp: 285932
Ion Ratio Lower Upper
228 100
226 29.4 25.3 37.9
229 20.5 17.2 25.8

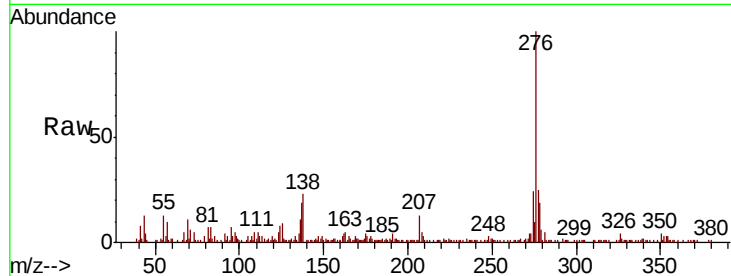




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.393 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. 0.01 min
 Lab File: BF111426.D
 Acq: 14 Dec 2018 18:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	27.8	41.6#
277	24.7	20.1	30.1

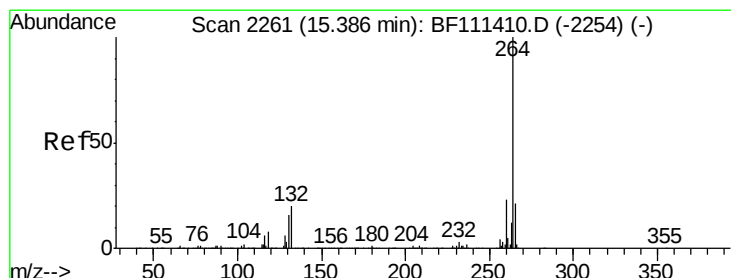
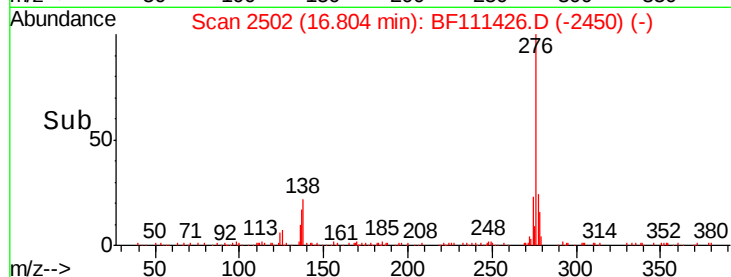
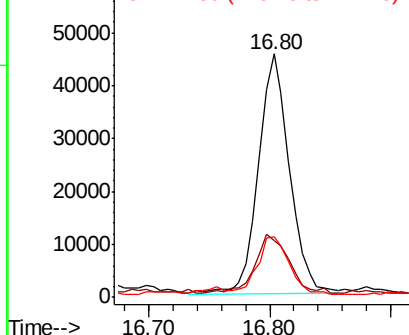


Abundance

Ion 276.00 (275.70 to 276.70): E

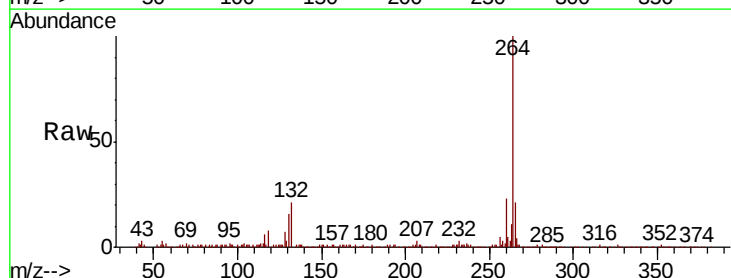
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111426.D
 Acq: 14 Dec 2018 18:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.3	27.5
265	21.0	17.7	26.5

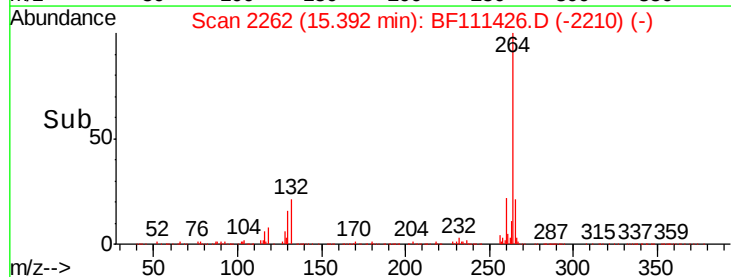
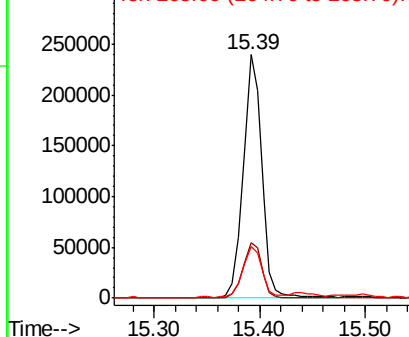


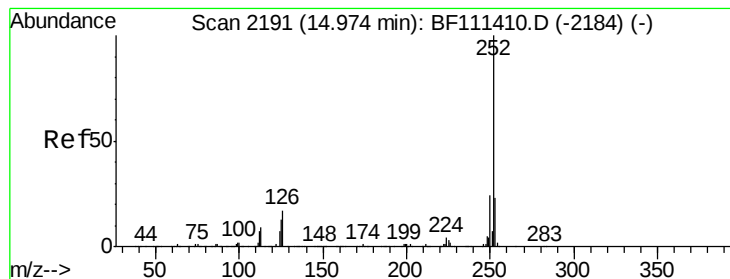
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 20.284 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampled :

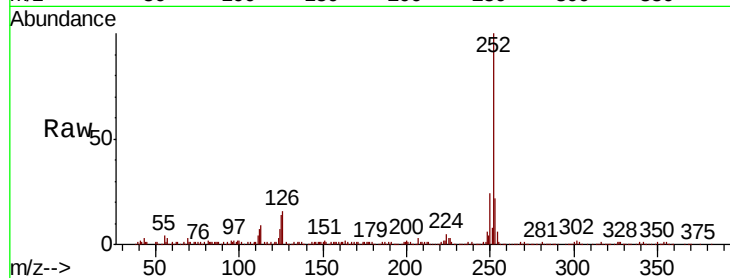
Tot Ion:252 Resp: 344235

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

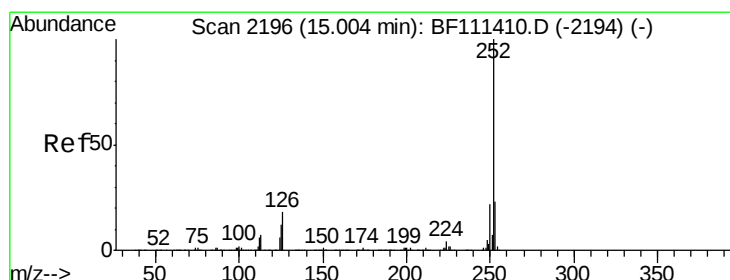
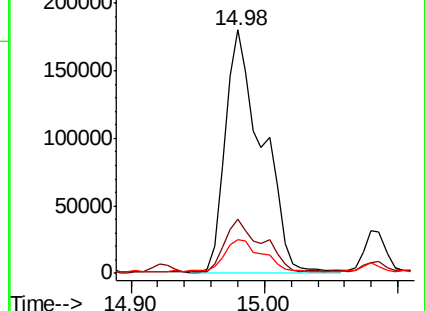
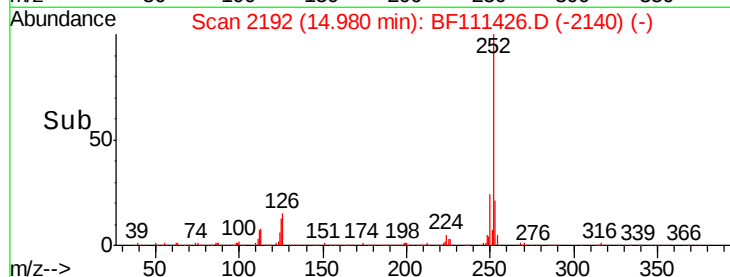
125 13.7 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 21.229 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

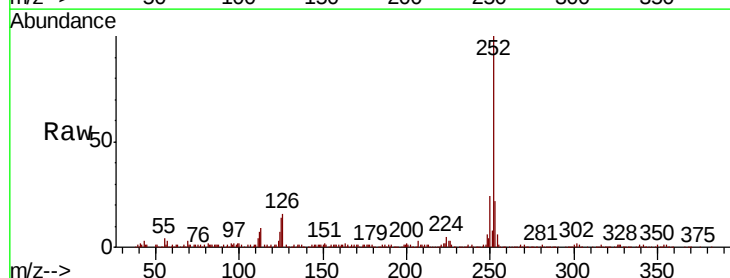
Tgt Ion:252 Resp: 344235

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

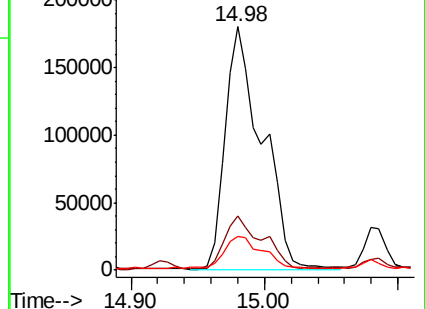
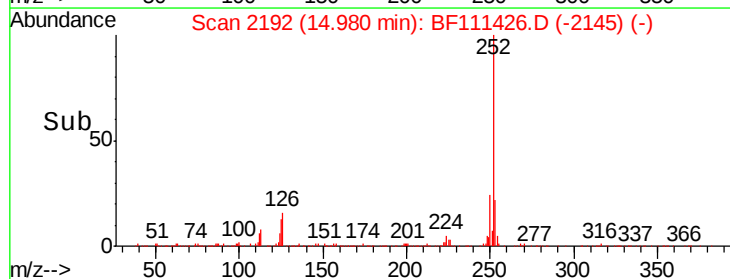
125 13.7 9.8 14.8

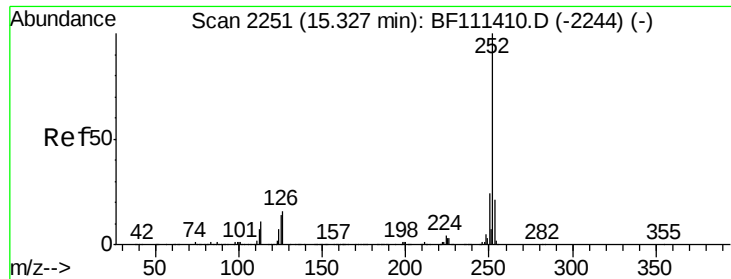


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 13.241 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111426.D

Acq: 14 Dec 2018 18:40

Instrument :

BNA_F

ClientSampleId :

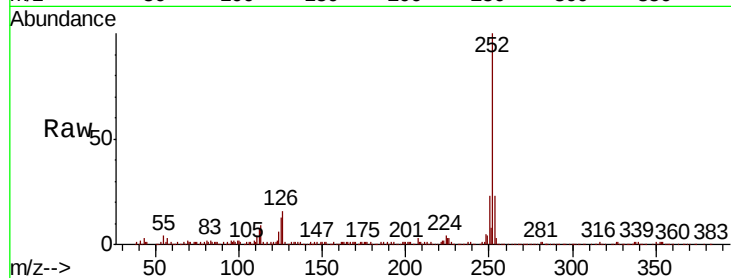
Tot Ion: 252 Resp: 202627

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 12.9 12.3 18.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

