

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111402.D
 Acq On : 14 Dec 2018 7:07
 Operator : JU/SJ
 Sample : J6214-43DL 100X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Quant Time: Dec 14 07:33:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	219892	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	853875	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	334516	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	488657	20.00	ng	0.00
76) Chrysene-d12	13.95	240	344440	20.00	ng	0.00
87) Perylene-d12	15.39	264	275872	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	10447	0.80	ng	0.00
7) Phenol-d6	6.43	99	15445	0.88	ng	0.00
23) Nitrobenzene-d5	7.35	82	8468	0.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	1927	0.65	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	18414	0.88	ng	0.00
79) Terphenyl-d14	12.89	244	20994	1.34	ng	-0.01

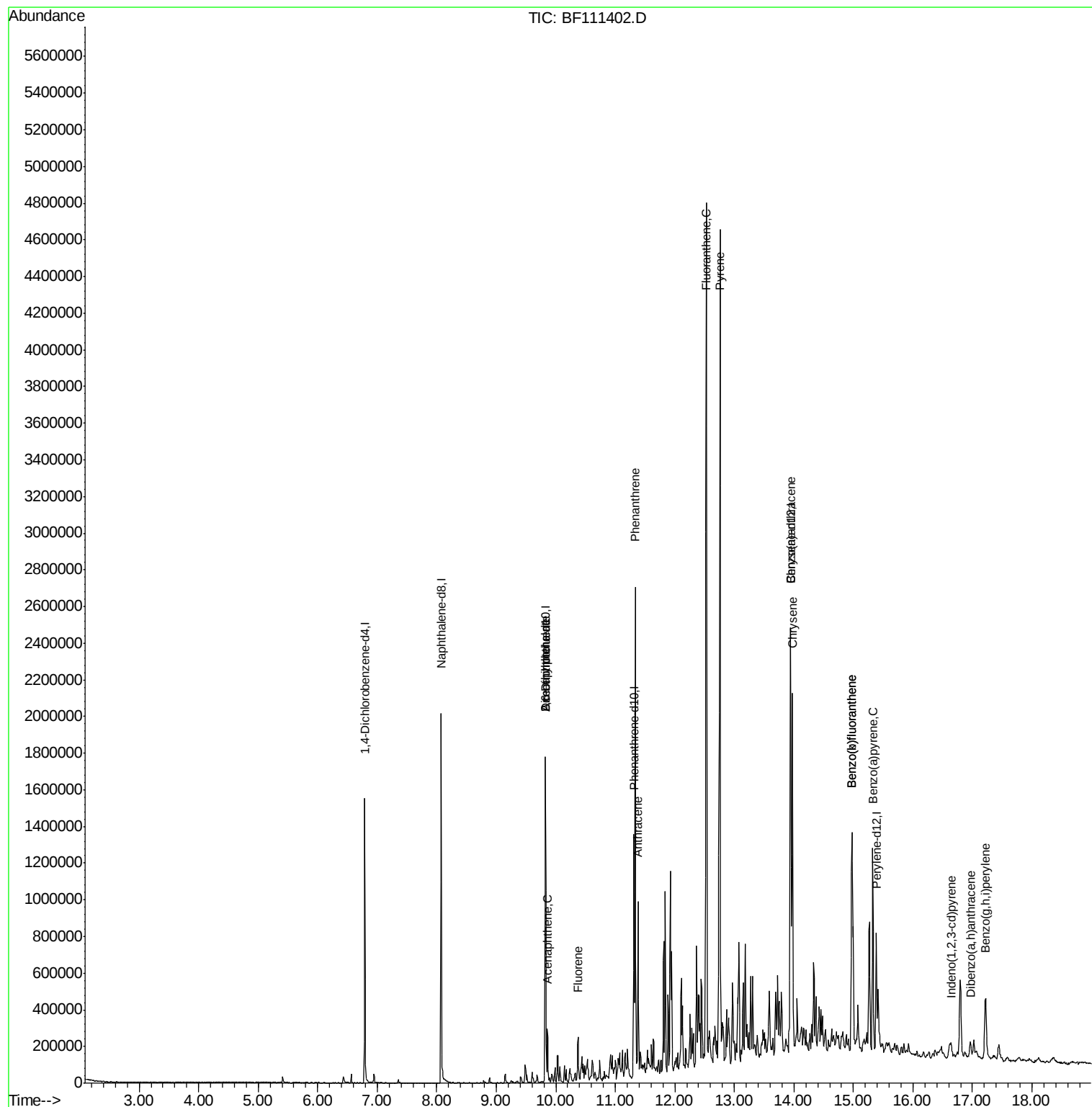
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	140	Below Cal		# 37
50) Dimethylphthalate	9.83	163	86144	3.581	ng	# 1
51) 2,6-Dinitrotoluene	9.83	165	44773	8.397	ng	# 29
52) Acenaphthene	9.86	154	59028	2.931	ng	99
58) Fluorene	10.37	166	57210	2.750	ng	100
71) Phenanthrene	11.34	178	1056484	41.828	ng	95
72) Anthracene	11.39	178	312967	12.169	ng	96
75) Fluoranthene	12.53	202	1897650	76.962	ng	100
78) Pyrene	12.76	202	1995230	75.057	ng	98
81) Benzo(a)anthracene	13.94	228	821377	42.620	ng	99
83) Chrysene	13.97	228	731528	37.205	ng	98
86) Indeno(1,2,3-cd)pyrene	16.64	276	47231	3.071	ng	97
88) Benzo(b)fluoranthene	14.97	252	871542	55.558	ng	99
89) Benzo(k)fluoranthene	14.97	252	871542	55.660	ng	99
90) Benzo(a)pyrene	15.33	252	501802	34.355	ng	98
91) Dibenzo(a,h)anthracene	16.97	278	58318	4.799	ng	94
92) Benzo(g,h,i)perylene	17.22	276	269744	22.202	ng	94

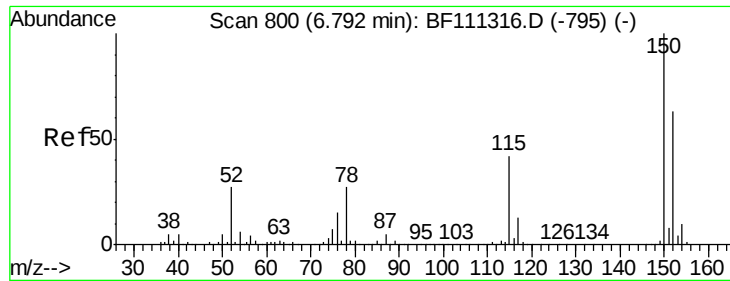
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

ClientSampleId :

SB-5(12.5-14.5)DL

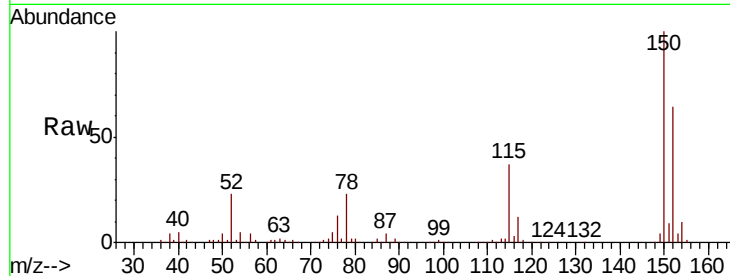
Tgt Ion:152 Resp: 219892

Ion Ratio Lower Upper

152 100

150 155.2 126.6 189.8

115 58.2 50.7 76.1

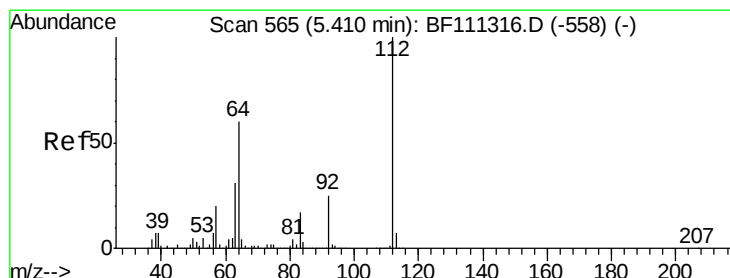
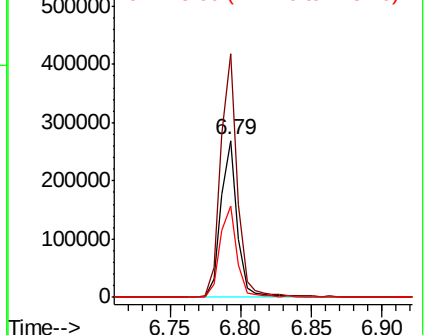
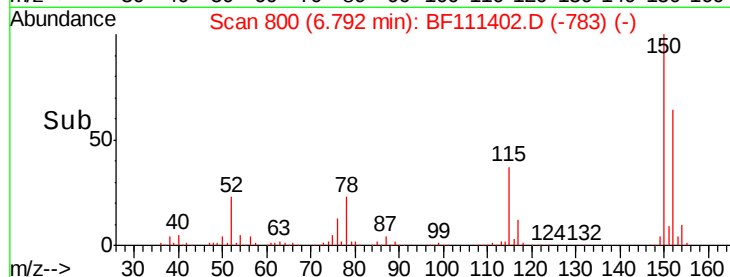


Abundance

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: 0.803 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.00 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

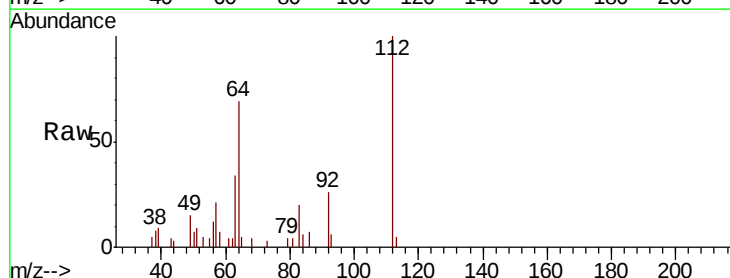
Tgt Ion:112 Resp: 10447

Ion Ratio Lower Upper

112 100

64 68.7 51.8 77.6

63 34.3 26.8 40.2

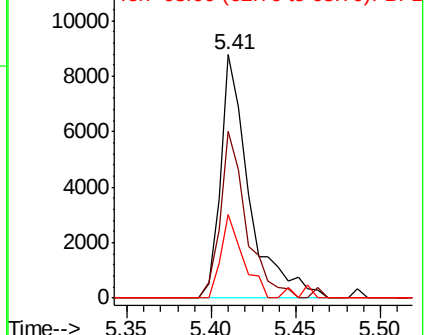
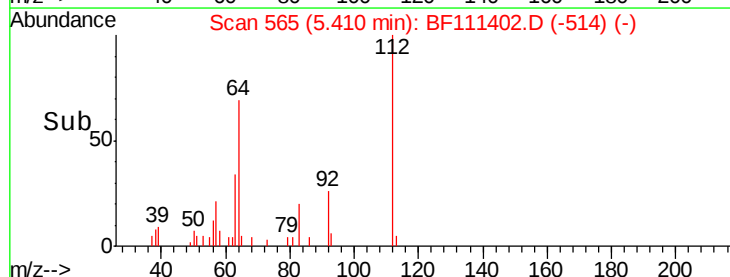


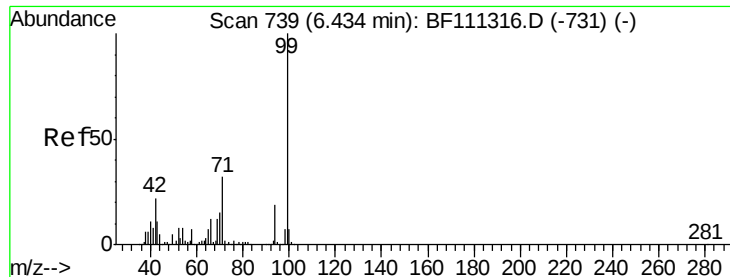
Abundance

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: 0.881 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

ClientSampleId :

SB-5(12.5-14.5)DL

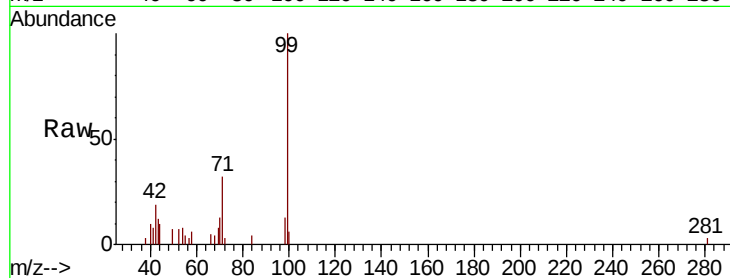
Tgt Ion: 99 Resp: 15445

Ion Ratio Lower Upper

99 100

42 19.2 17.4 26.0

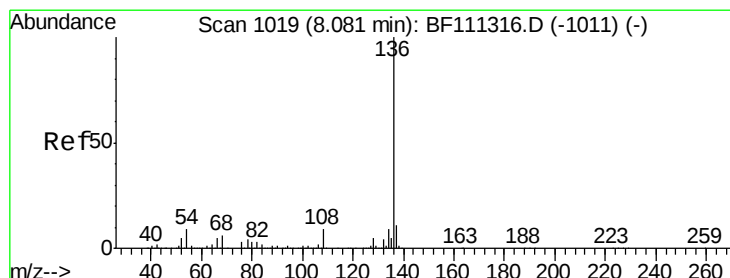
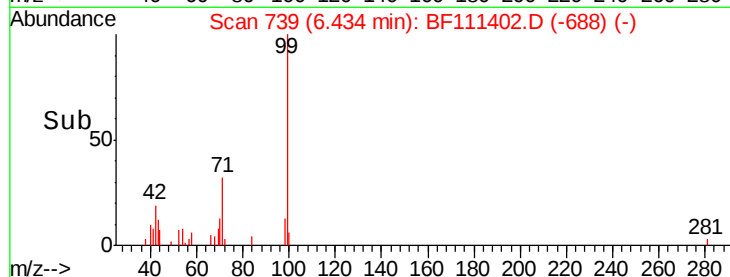
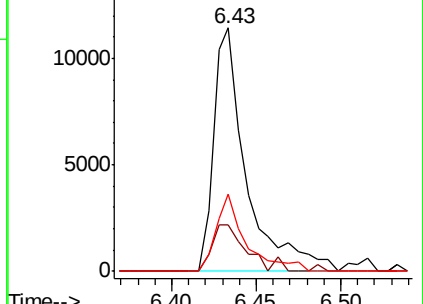
71 31.8 26.1 39.1



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: BF111402.D

Acq: 14 Dec 2018 7:07

Tgt Ion: 136 Resp: 853875

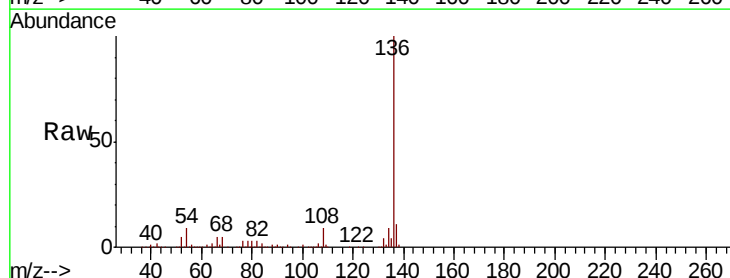
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 9.3 7.7 11.5

68 5.5 4.9 7.3

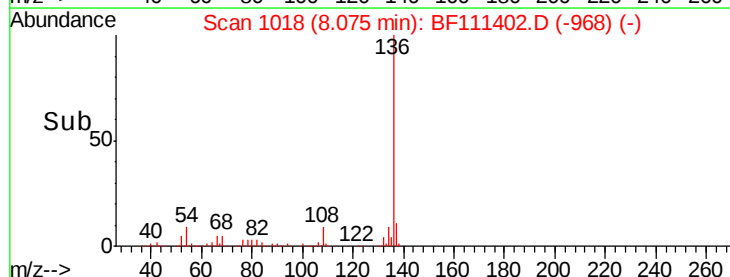
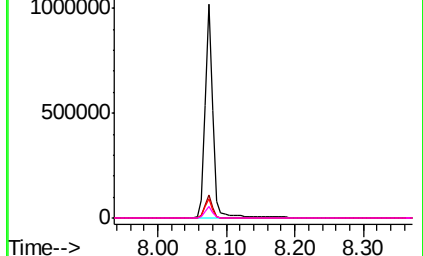


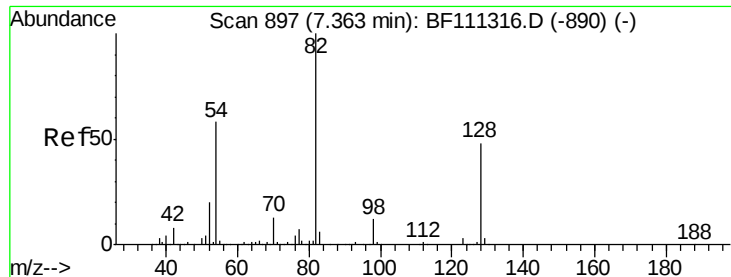
Abundance Ion 136.00 (135.70 to 136.70): E

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

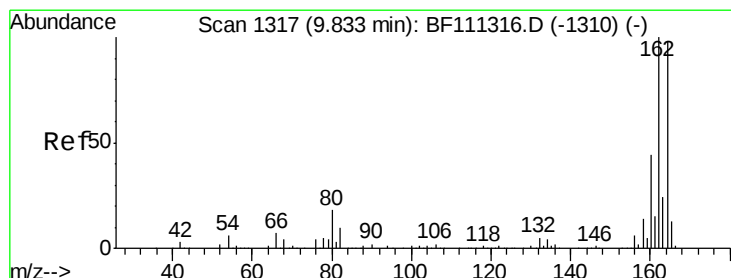
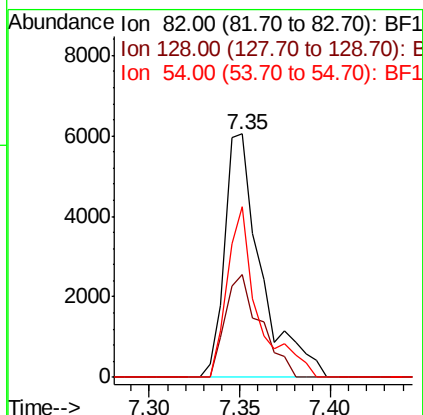
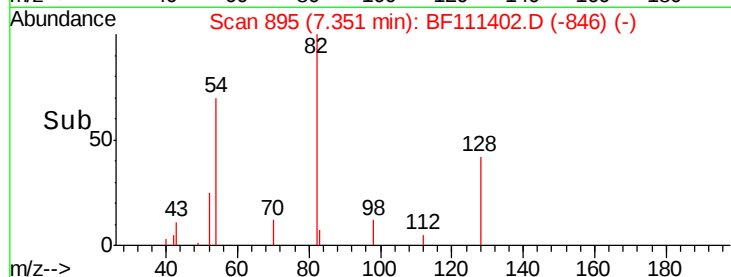
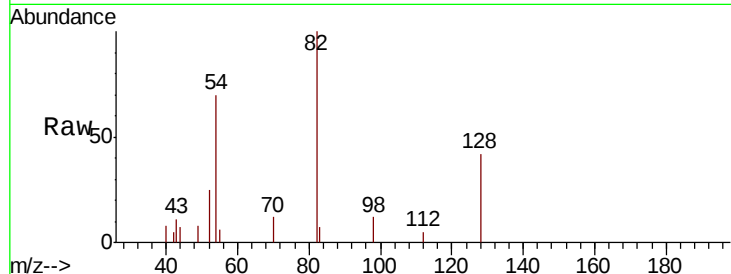




#23
 Nitrobenzene-d5
 Concen: 0.559 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

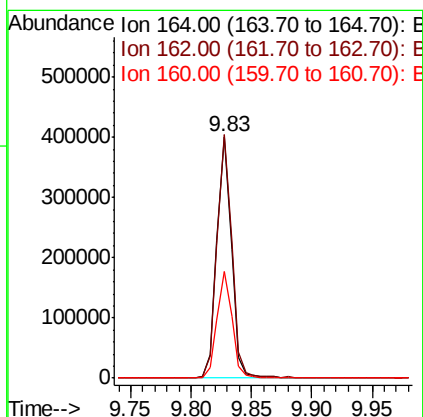
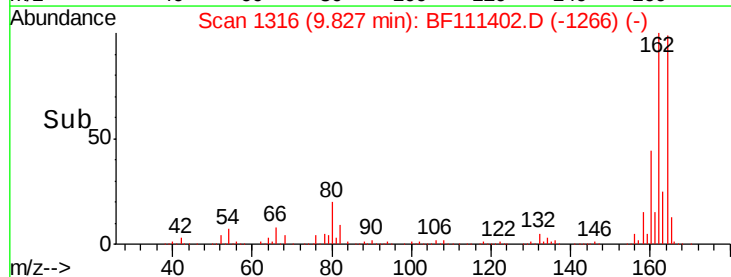
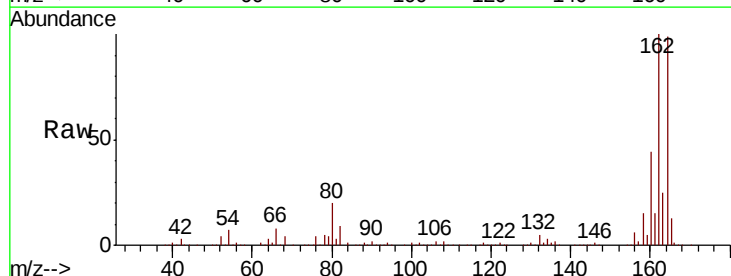
Instrument :
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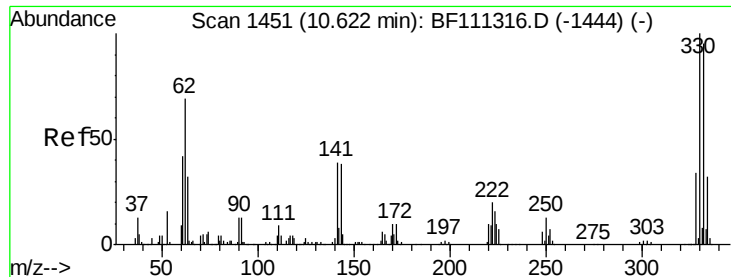
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.3	37.4	56.2
54	70.0	47.6	71.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.4	122.0
160	44.1	35.7	53.5

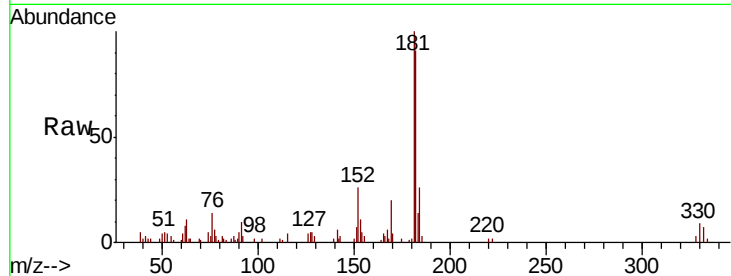




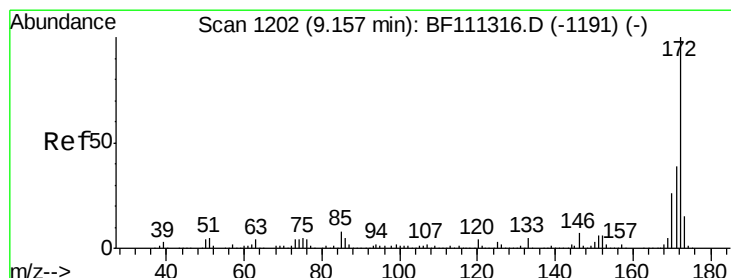
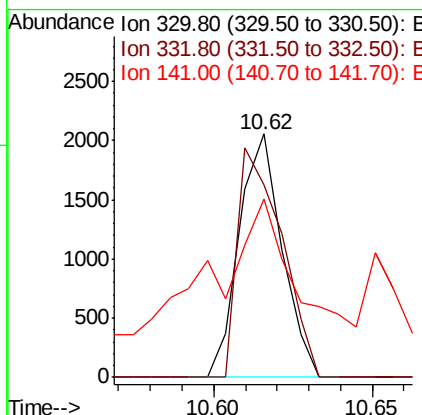
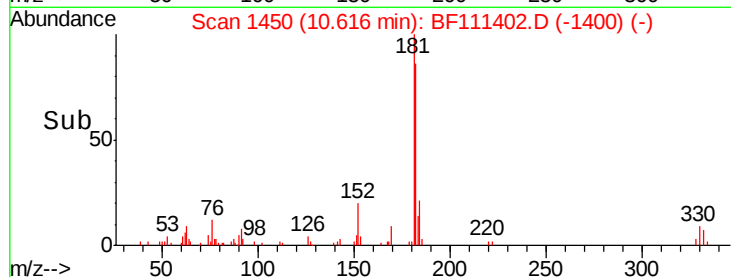
#42
 2,4,6-Tribromophenol
 Concen: 0.653 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Tgt Ion:330 Resp: 1927
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.0 114.0
 141 177.5 31.0 46.6#

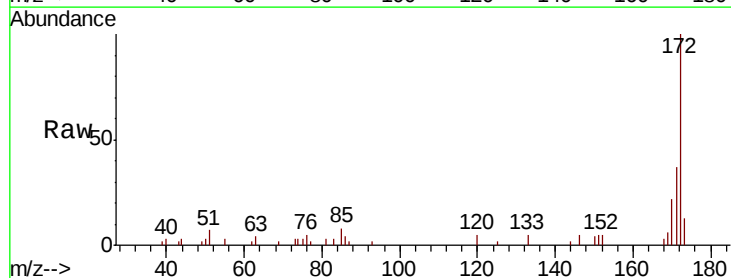


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

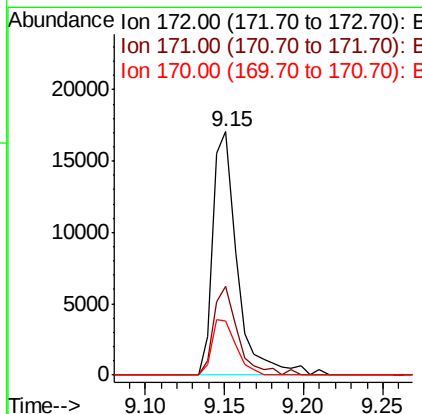
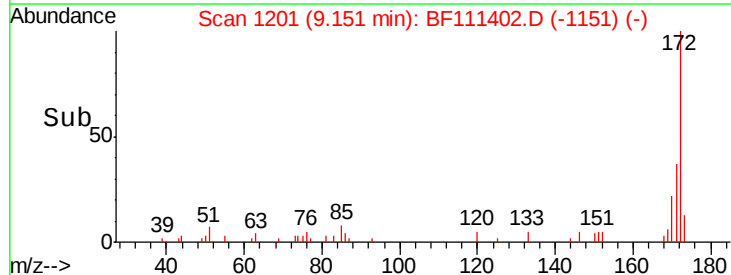


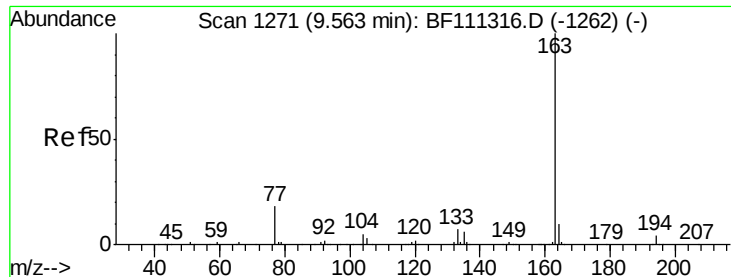
#45
 2-Fluorobiphenyl
 Concen: 0.884 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion:172 Resp: 18414
 Ion Ratio Lower Upper
 172 100
 171 36.7 33.0 49.4
 170 22.4 22.3 33.5



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

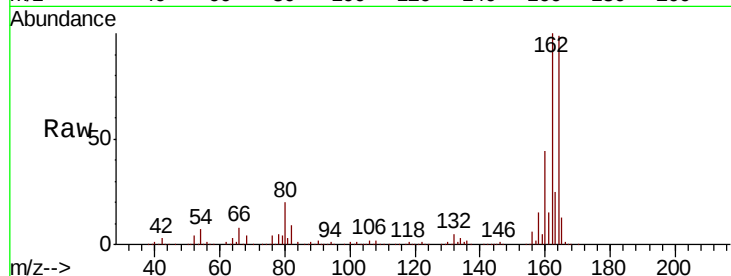




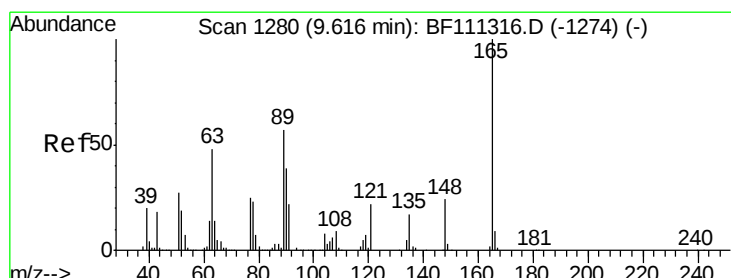
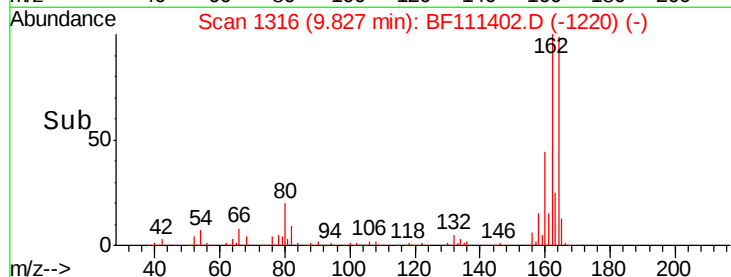
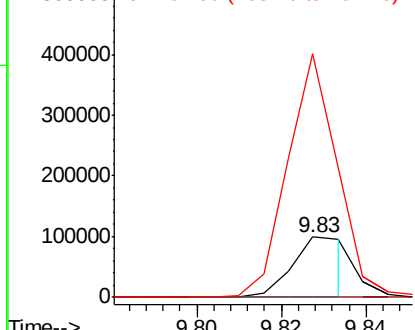
#50
Dimethylphthalate
Concen: 3.581 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.26 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleID :
SB-5(12.5-14.5)DL

Tgt Ion:163 Resp: 86144
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 403.8 8.9 13.3#

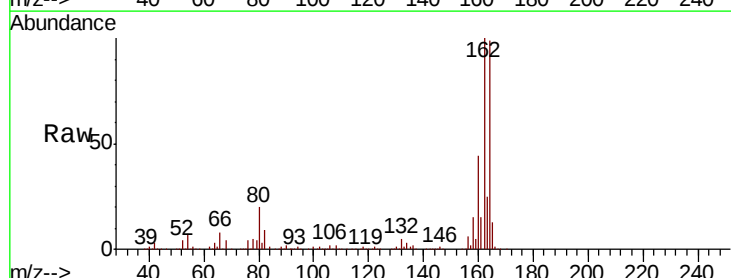


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

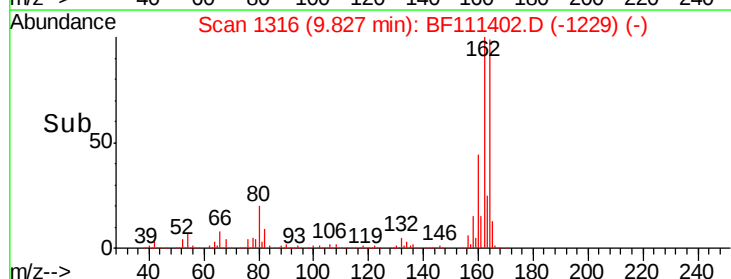
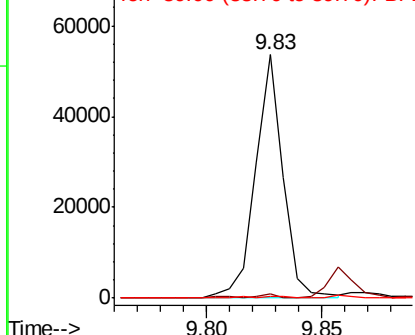


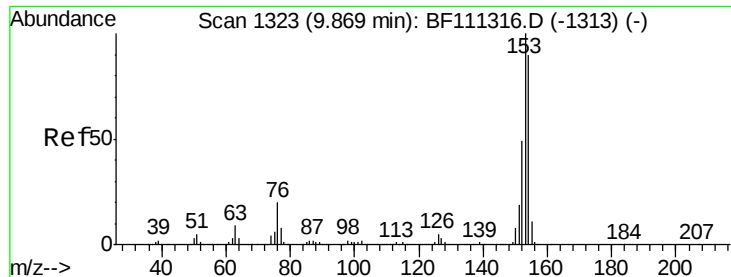
#51
2,6-Dinitrotoluene
Concen: 8.397 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.21 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion:165 Resp: 44773
Ion Ratio Lower Upper
165 100
63 1.6 40.5 60.7#
89 0.7 40.0 60.0#



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





#52

Acenaphthene

Concen: 2.931 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

ClientSampleId :

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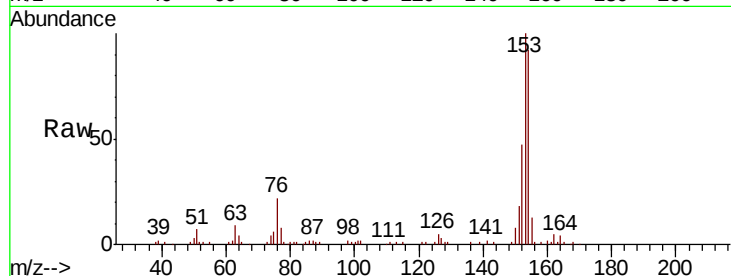
Tgt Ion:154 Resp: 59028

Ion Ratio Lower Upper

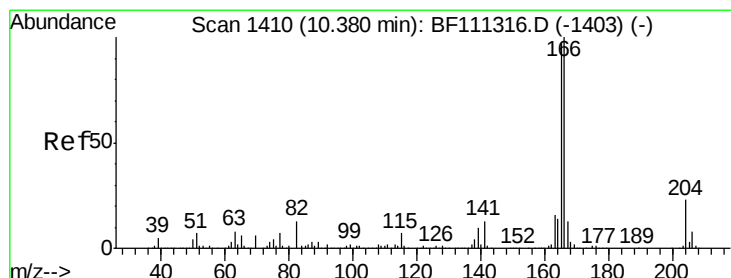
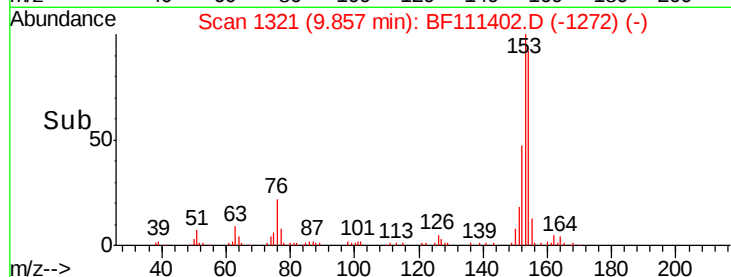
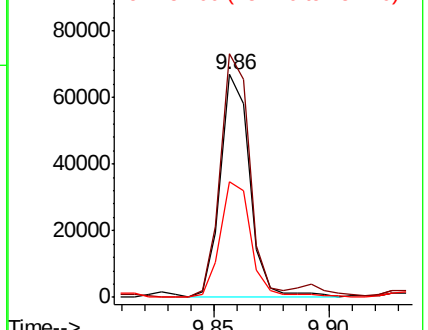
154 100

153 109.3 87.8 131.8

152 51.8 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



#58

Fluorene

Concen: 2.750 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

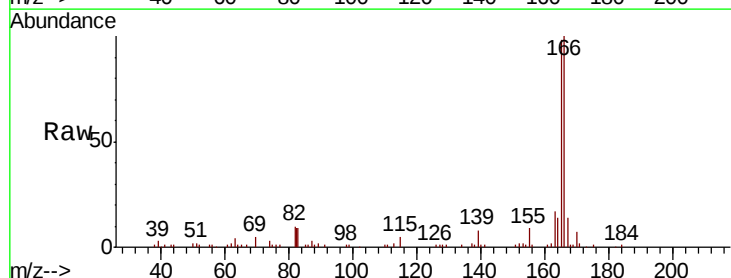
Tgt Ion:166 Resp: 57210

Ion Ratio Lower Upper

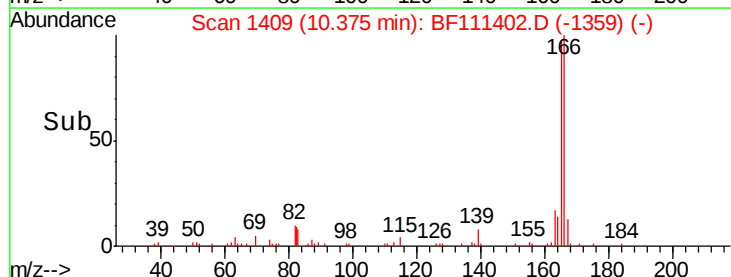
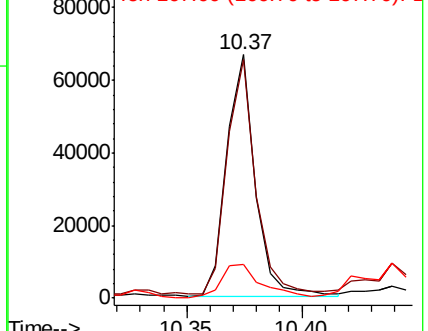
166 100

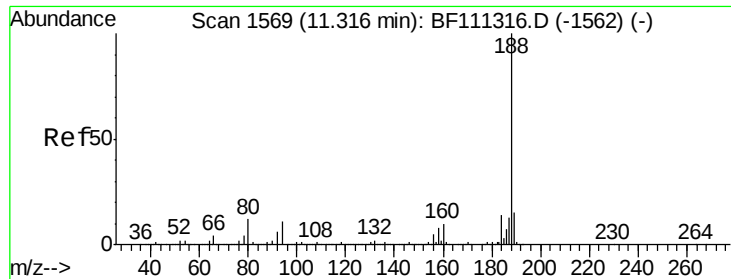
165 98.2 78.4 117.6

167 13.7 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

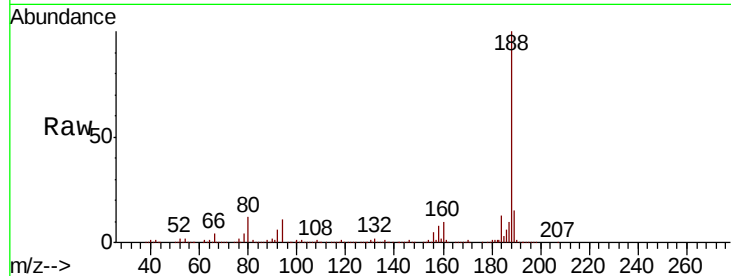




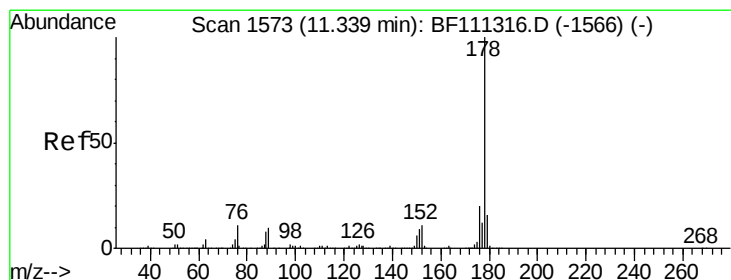
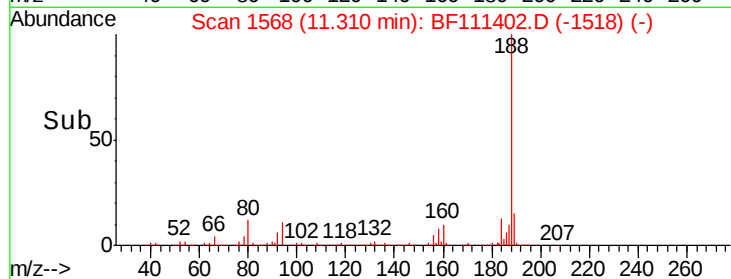
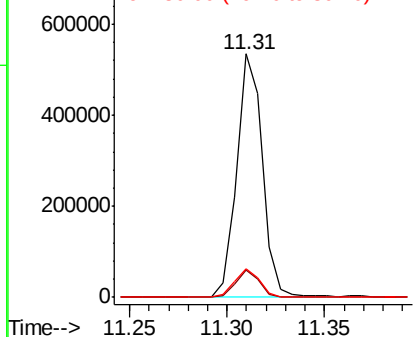
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.6	14.4
80	12.0	9.8	14.6

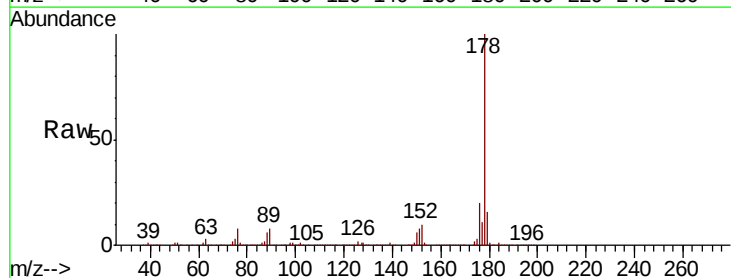


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

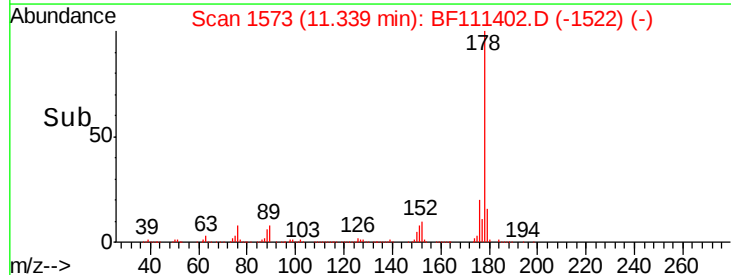
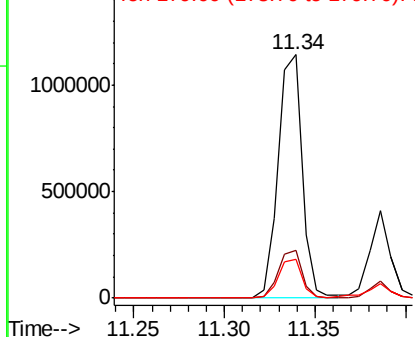


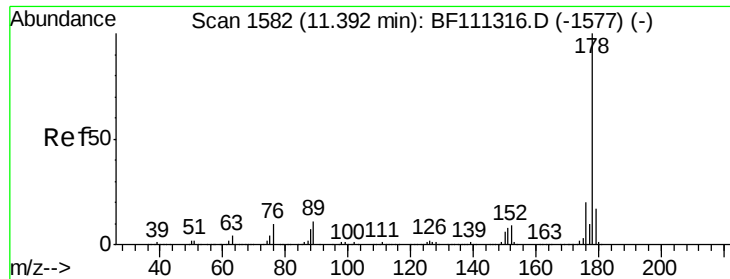
#71
 Phenanthrene
 Concen: 41.828 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	18.1	27.1
179	15.8	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

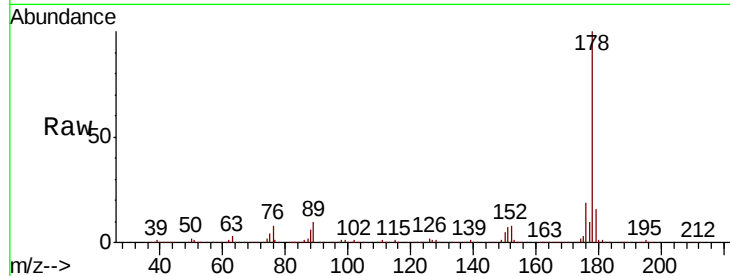




#72
 Anthracene
 Concen: 12.169 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(12.5-14.5)DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	17.2	25.8
179	15.8	13.8	20.8

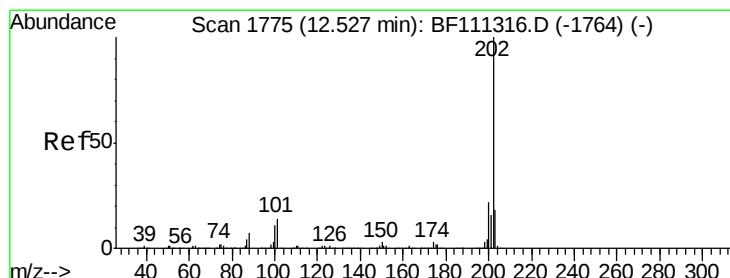
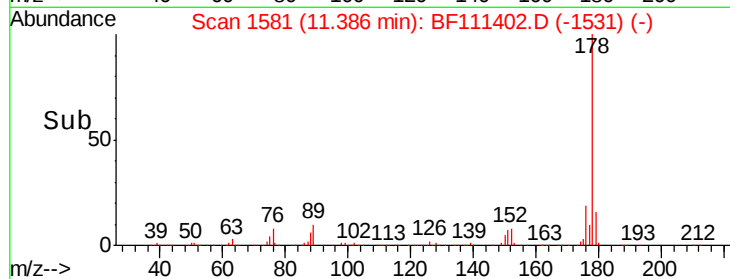
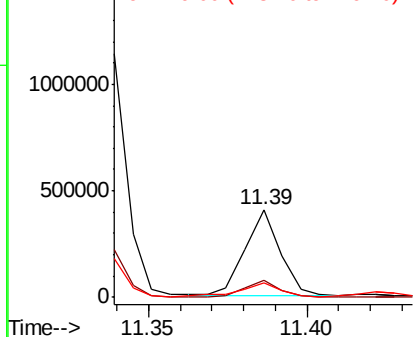


Abundance

Ion 178.00 (177.70 to 178.70): E

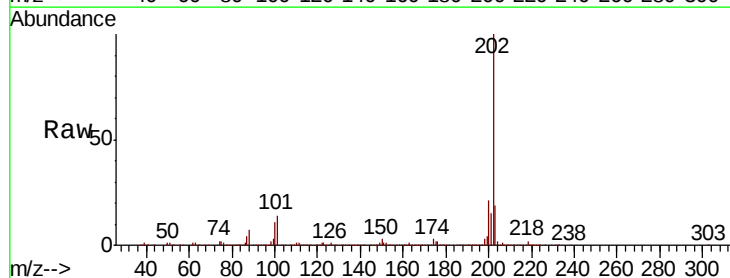
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 76.962 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF111402.D
 Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.8
203	18.7	0.0	38.6

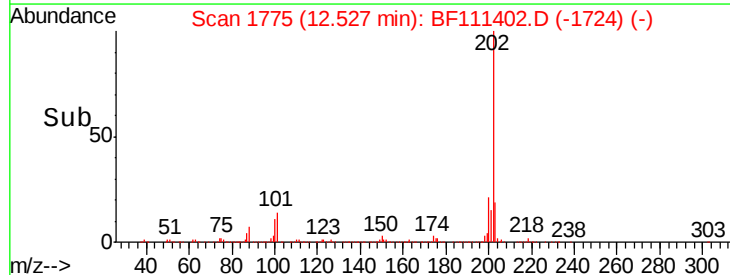
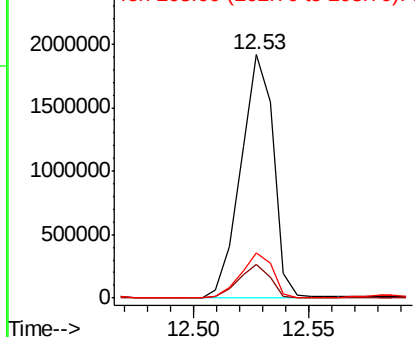


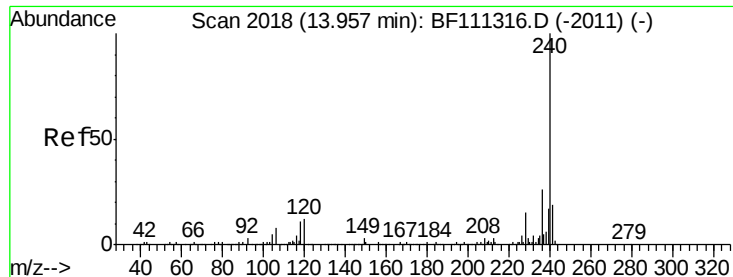
Abundance

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

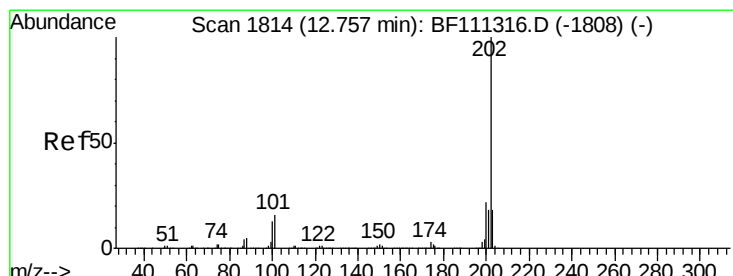
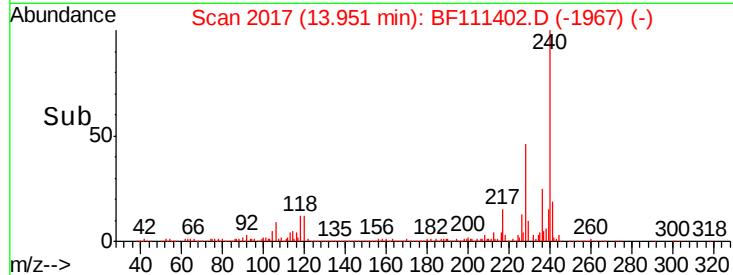
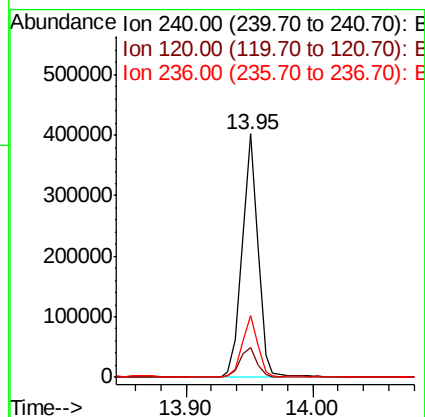
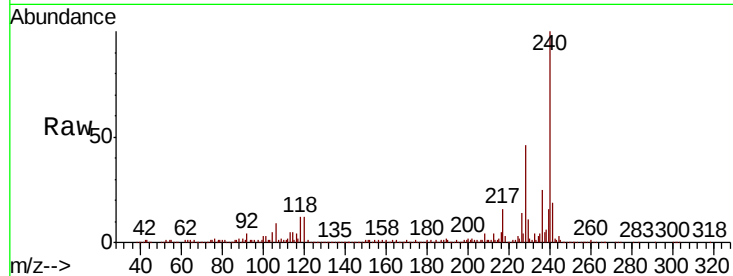




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

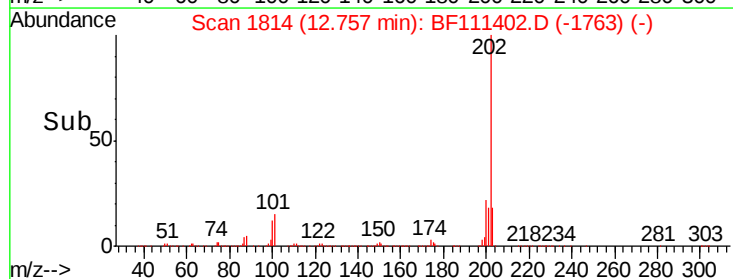
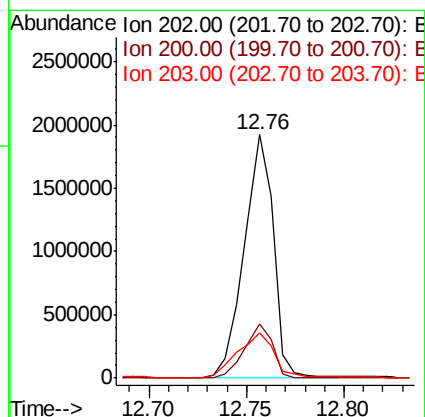
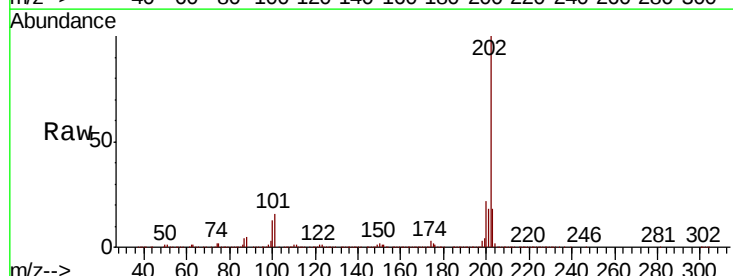
Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

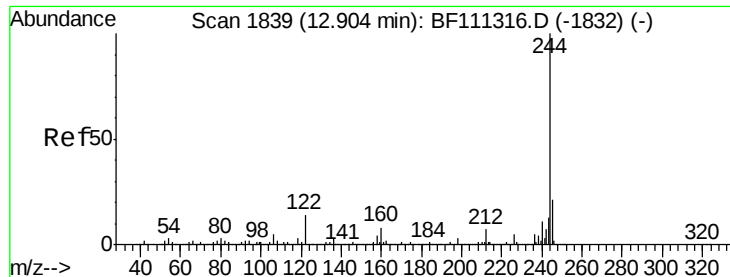
Tgt Ion:240 Resp: 344440
Ion Ratio Lower Upper
240 100
120 12.4 12.2 18.2
236 25.3 20.2 30.2



#78
Pyrene
Concen: 75.057 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion:202 Resp: 1995230
Ion Ratio Lower Upper
202 100
200 22.2 19.0 28.4
203 18.3 15.2 22.8





#79

Terphenyl-d14

Concen: 1.341 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

Instrument :

BNA_F

ClientSampleId :

SB-5(12.5-14.5)DL

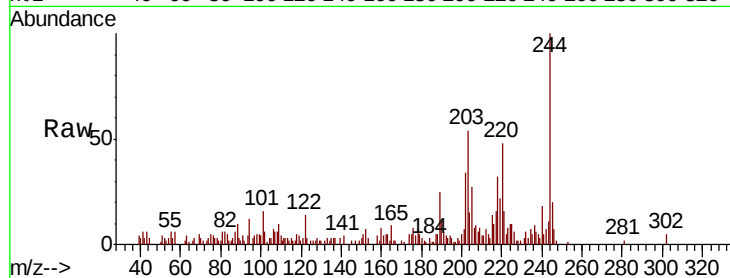
Tgt Ion:244 Resp: 20994

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

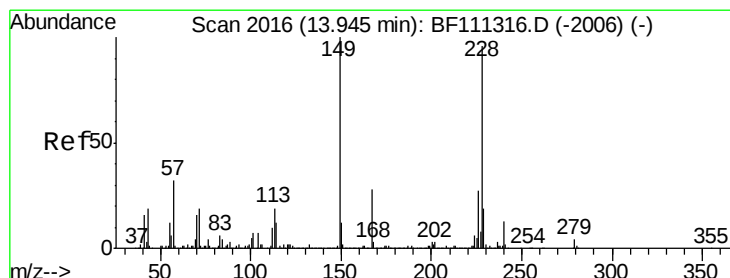
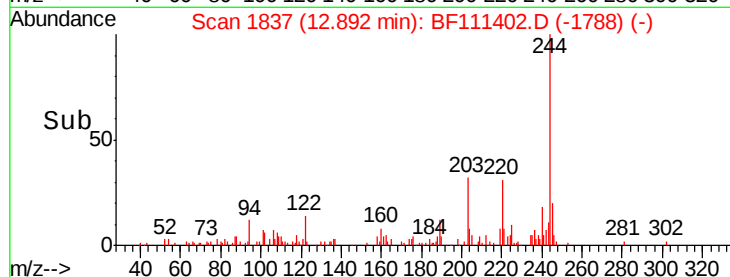
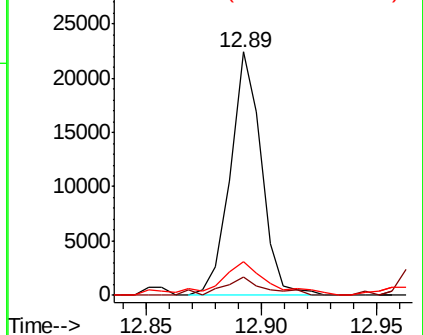
122 13.9 13.1 19.7



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: 42.620 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111402.D

Acq: 14 Dec 2018 7:07

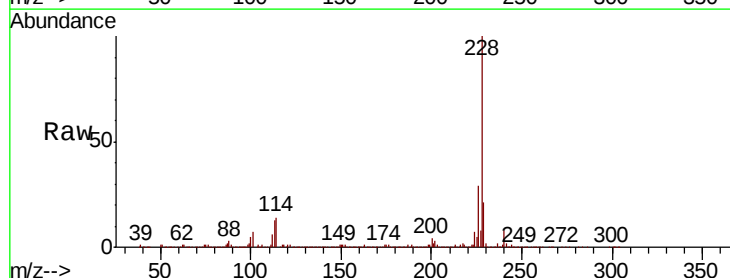
Tgt Ion:228 Resp: 821377

Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

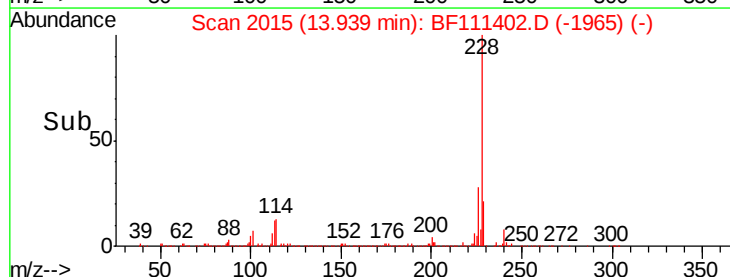
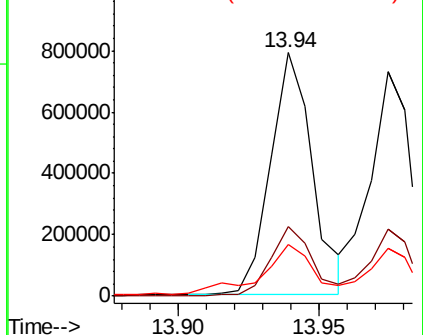
229 21.4 16.3 24.5

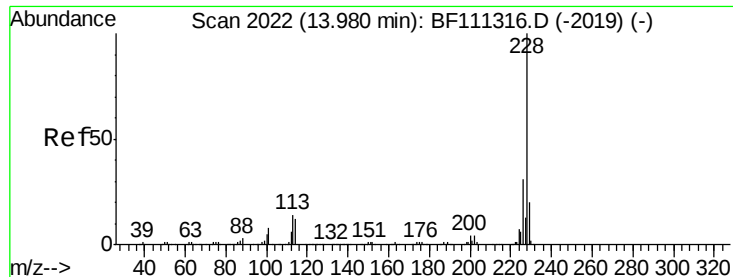


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

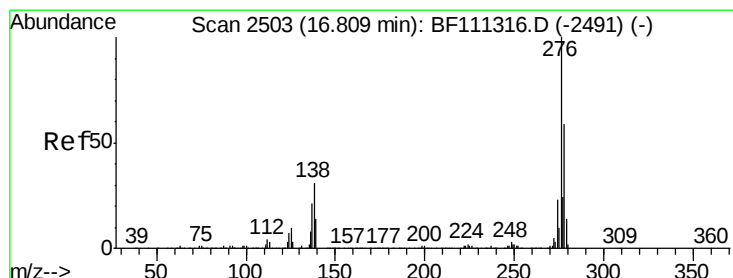
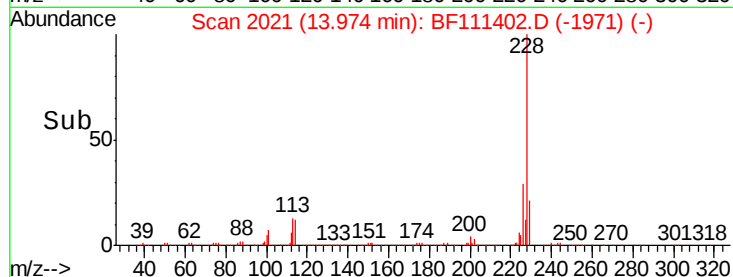
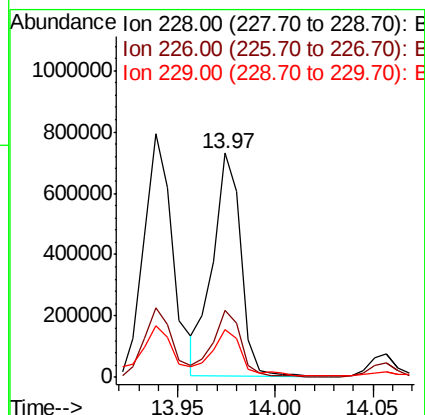
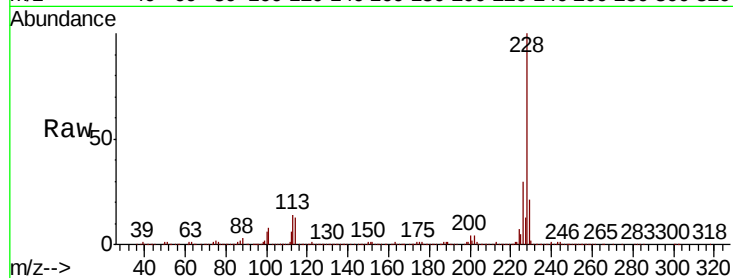




#83
Chrysene
Concen: 37.205 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

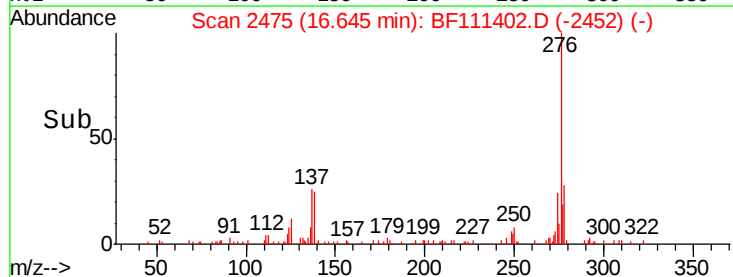
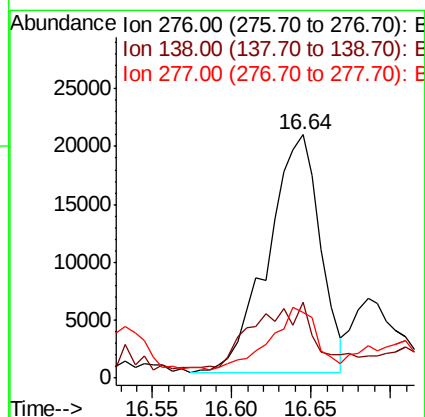
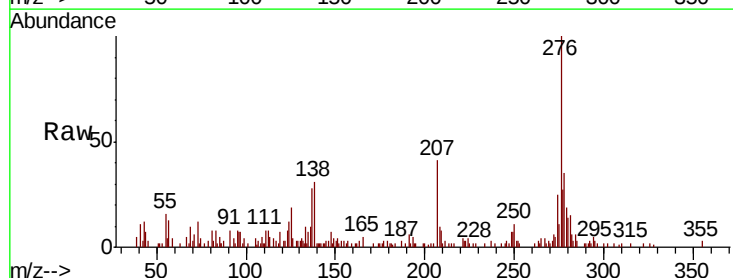
Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

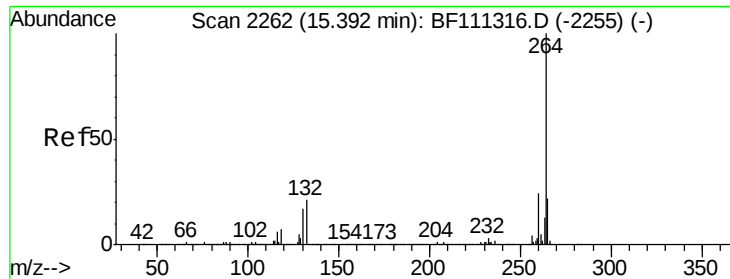
Tgt Ion: 228 Resp: 731528
Ion Ratio Lower Upper
228 100
226 29.6 25.3 37.9
229 21.5 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.071 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.16 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion: 276 Resp: 47231
Ion Ratio Lower Upper
276 100
138 33.0 27.8 41.6
277 23.3 20.1 30.1

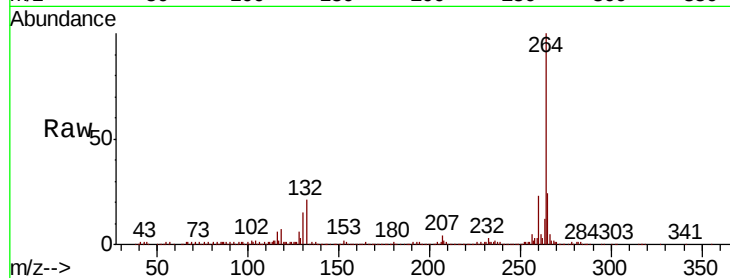




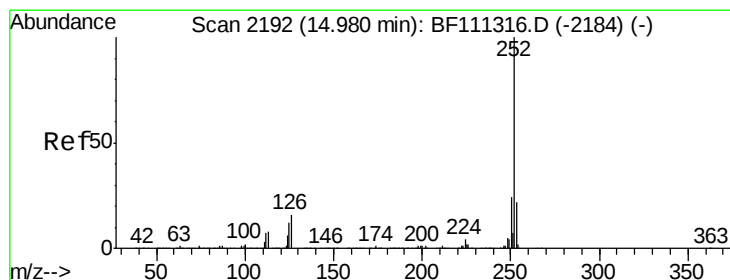
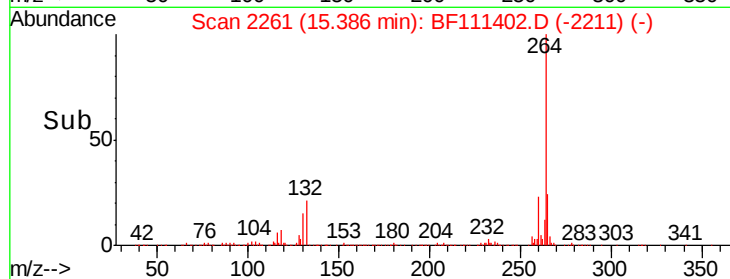
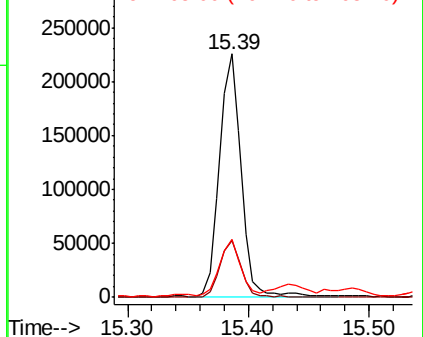
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tgt Ion:264 Resp: 275872
Ion Ratio Lower Upper
264 100
260 23.3 18.3 27.5
265 23.7 17.7 26.5

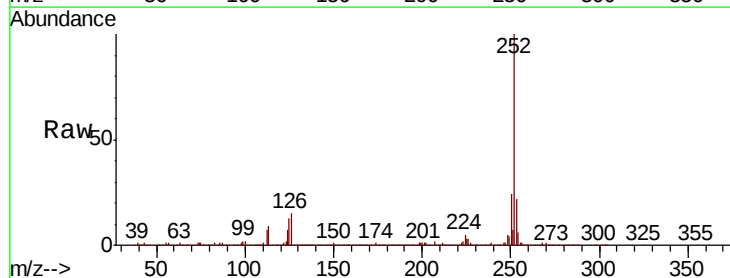


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

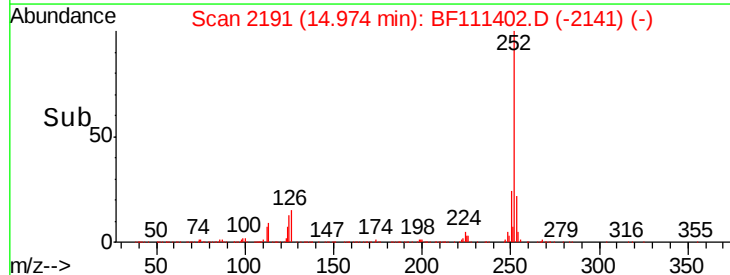
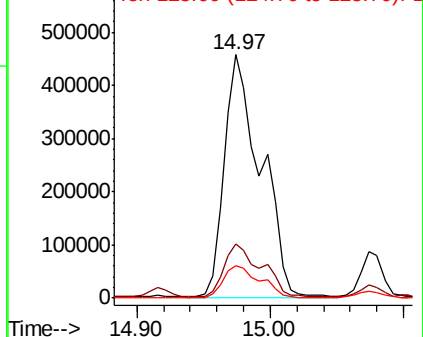


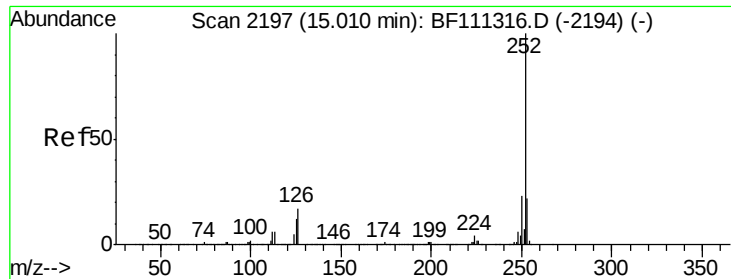
#88
Benzo(b)fluoranthene
Concen: 55.558 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion:252 Resp: 871542
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 13.3 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

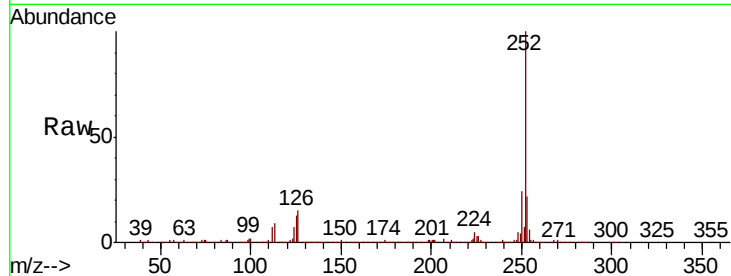




#89
Benzo(k)fluoranthene
Concen: 55.660 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.3	9.8	14.8

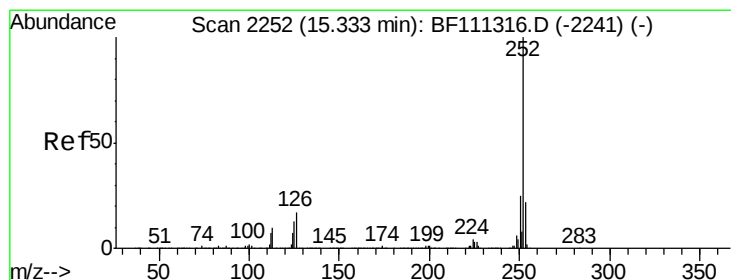
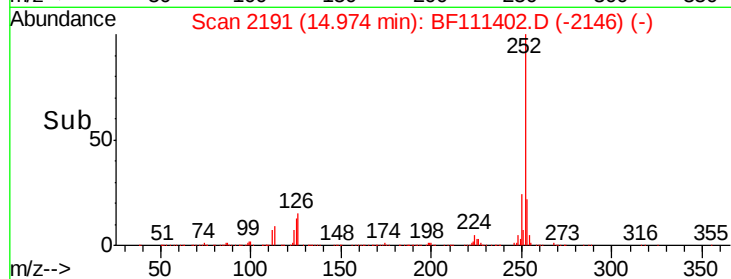
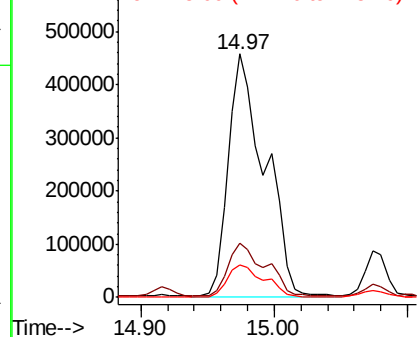


Abundance

Ion 252.00 (251.70 to 252.70): E

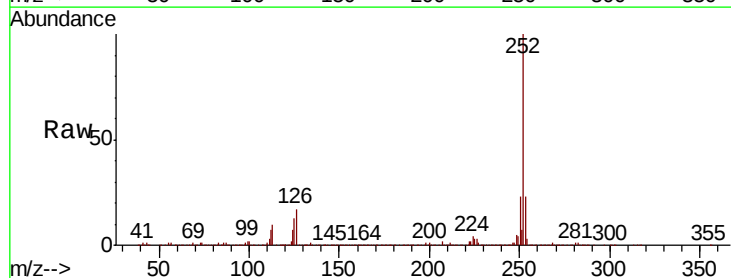
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 34.355 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	13.4	12.3	18.5

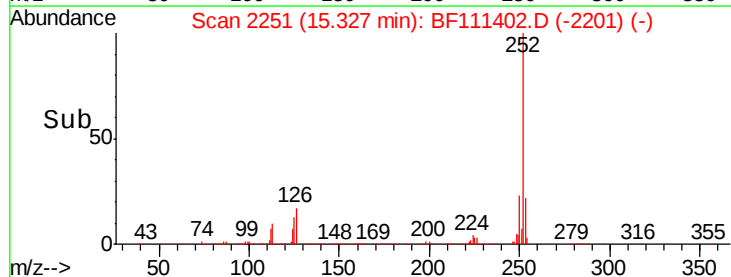
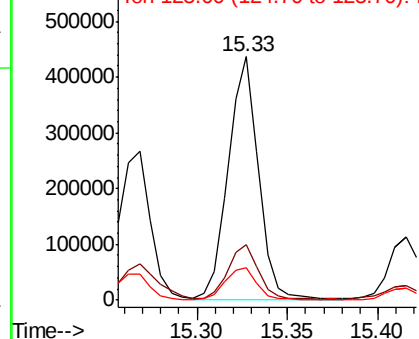


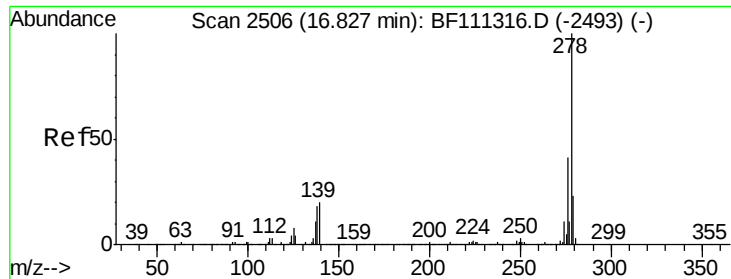
Abundance

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

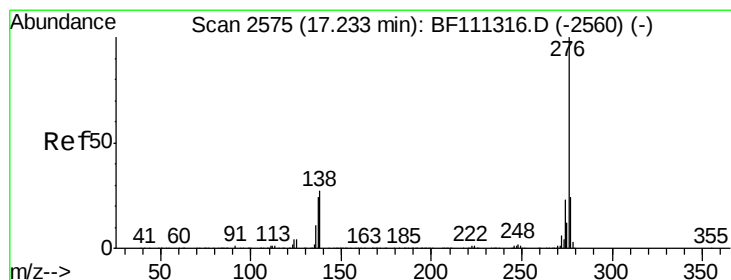
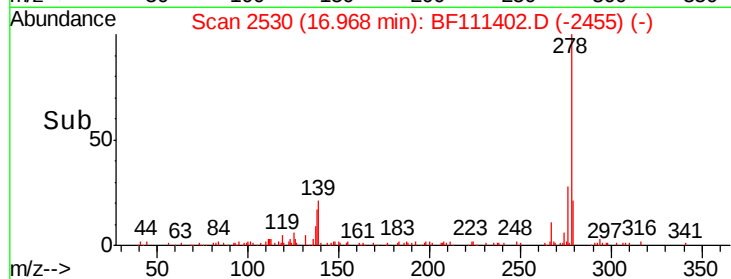
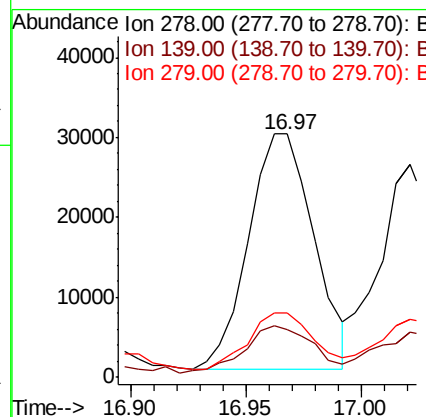
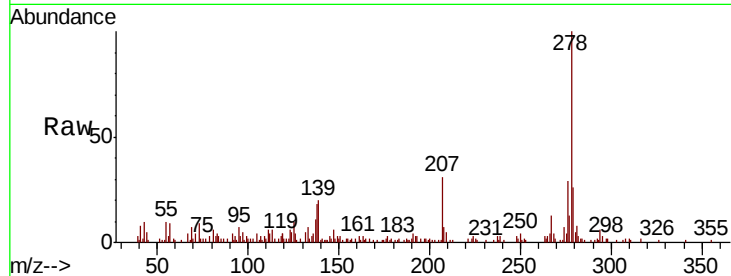




#91
Dibenzo(a,h)anthracene
Concen: 4.799 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.14 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	18.2	27.4
279	26.5	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 22.202 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF111402.D
Acq: 14 Dec 2018 7:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	25.8	24.9	37.3

