

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111343.D
 Acq On : 13 Dec 2018 1:13
 Operator : JU/SJ
 Sample : J6214-25 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Quant Time: Dec 13 04:41:36 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	215144	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	773712	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	321347	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	575219	20.00	ng	0.00
76) Chrysene-d12	13.95	240	354196	20.00	ng	0.00
87) Perylene-d12	15.40	264	290615	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	235883	18.54	ng	0.00
7) Phenol-d6	6.42	99	288157	16.80	ng	-0.01
23) Nitrobenzene-d5	7.35	82	138656	10.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	44786	15.81	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	276700	13.82	ng	0.00
79) Terphenyl-d14	12.90	244	229970	14.29	ng	0.00

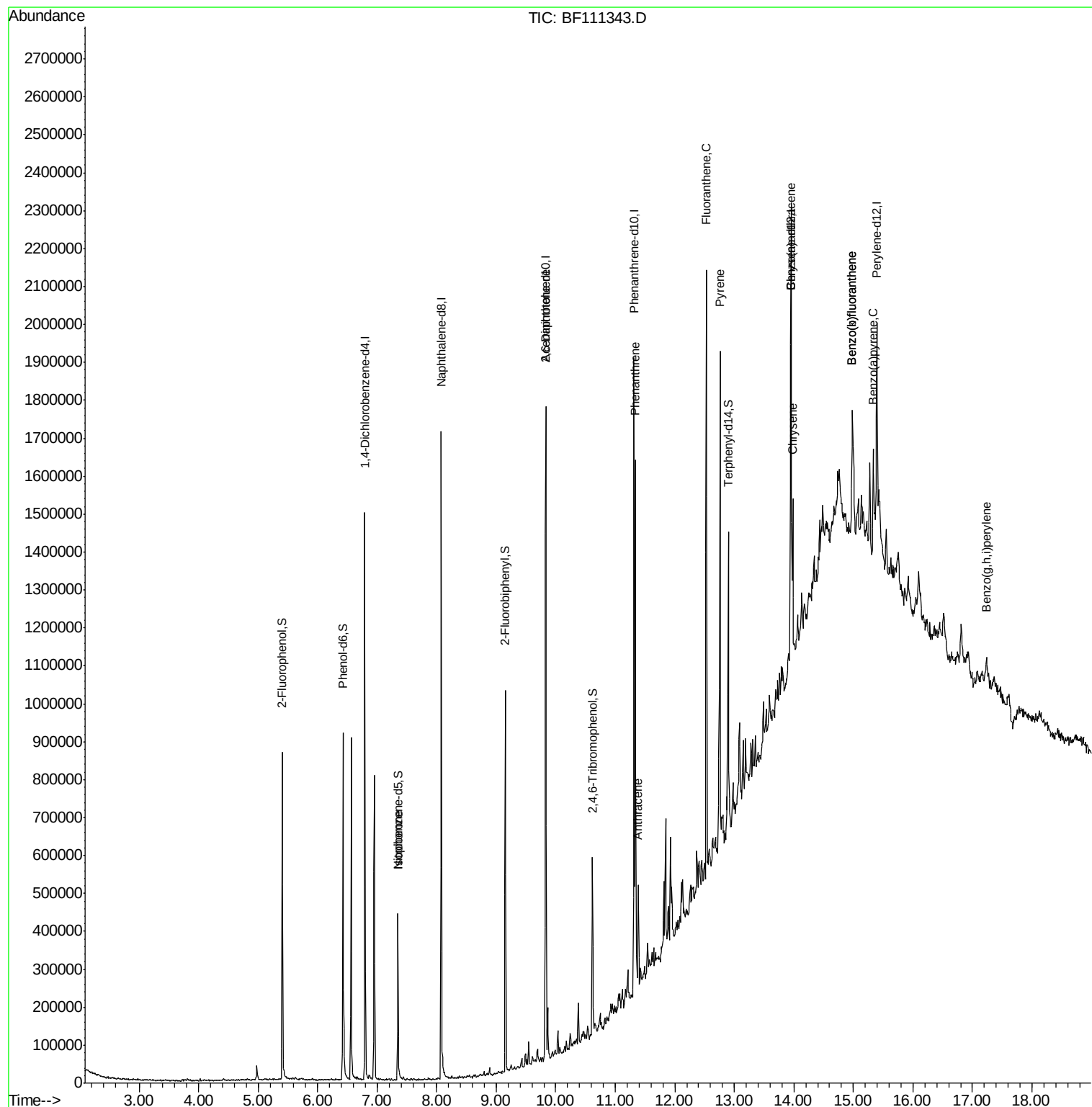
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	184	Below Cal		# 1
25) Isophorone	7.35	82	138652	5.946	ng	# 64
51) 2,6-Dinitrotoluene	9.83	165	43814	8.554	ng	# 30
71) Phenanthrene	11.34	178	475128	15.980	ng	94
72) Anthracene	11.39	178	103944	3.433	ng	95
75) Fluoranthene	12.53	202	595467	20.516	ng	98
78) Pyrene	12.76	202	528116	19.320	ng	97
81) Benzo(a)anthracene	13.95	228	193469	9.762	ng	97
83) Chrysene	13.98	228	186758	9.237	ng	94
88) Benzo(b)fluoranthene	14.98	252	249067	15.072	ng	# 89
89) Benzo(k)fluoranthene	14.98	252	249067	15.099	ng	# 88
90) Benzo(a)pyrene	15.33	252	135660	8.817	ng	# 94
92) Benzo(g,h,i)perylene	17.24	276	67406	5.267	ng	91

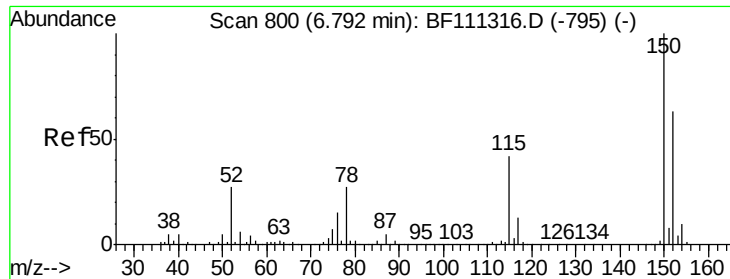
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 12 13:16:52 2018
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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: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

ClientSampleId :

SB-3(12.5-14.5)

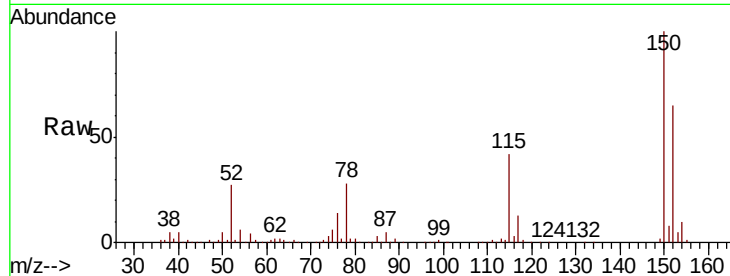
Tgt Ion:152 Resp: 215144

Ion Ratio Lower Upper

152 100

150 153.3 126.6 189.8

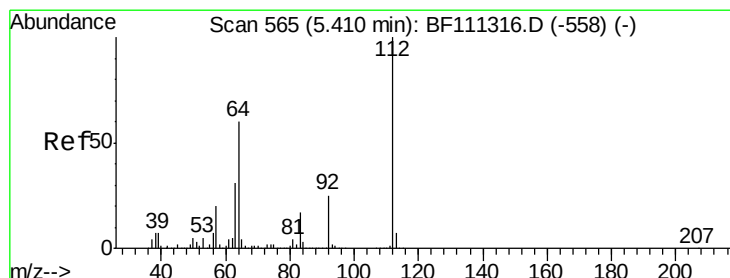
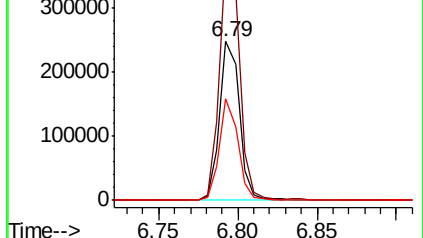
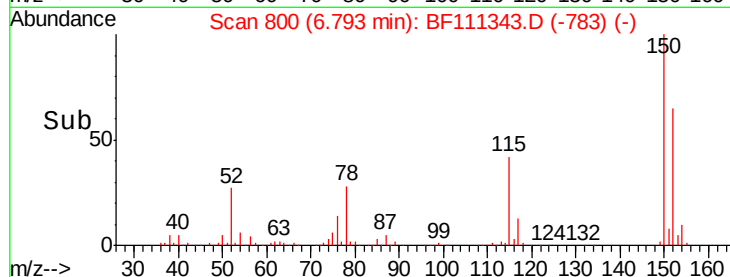
115 64.2 50.7 76.1



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: 18.540 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

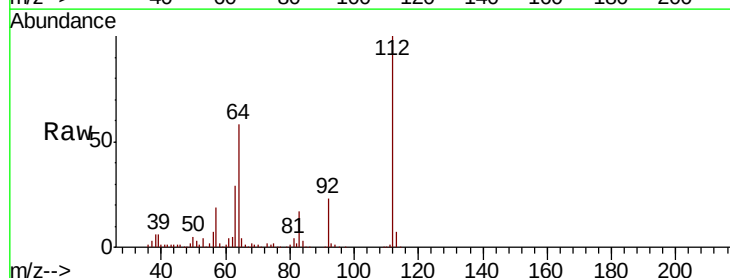
Tgt Ion:112 Resp: 235883

Ion Ratio Lower Upper

112 100

64 58.1 51.8 77.6

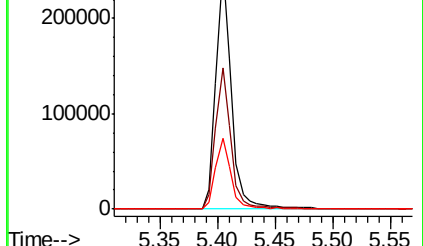
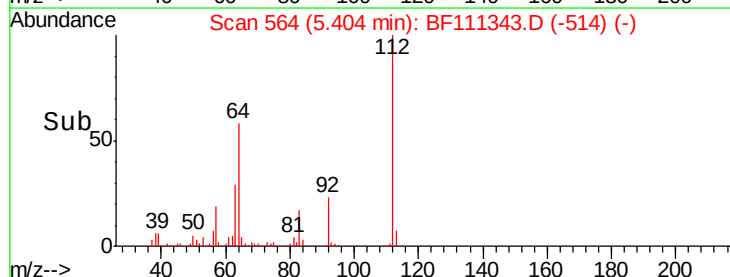
63 29.2 26.8 40.2

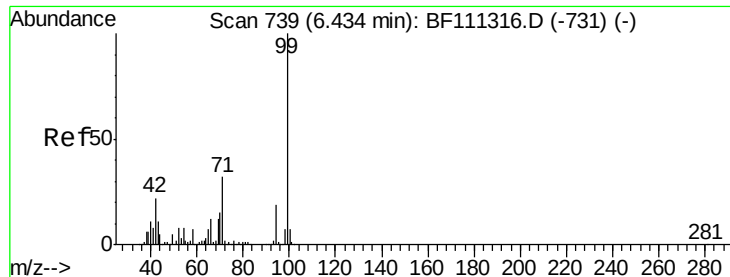


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.799 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

ClientSampleId :

SB-3(12.5-14.5)

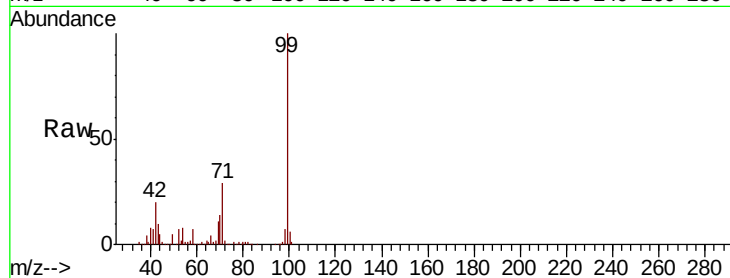
Tgt Ion: 99 Resp: 288157

Ion Ratio Lower Upper

99 100

42 20.4 17.4 26.0

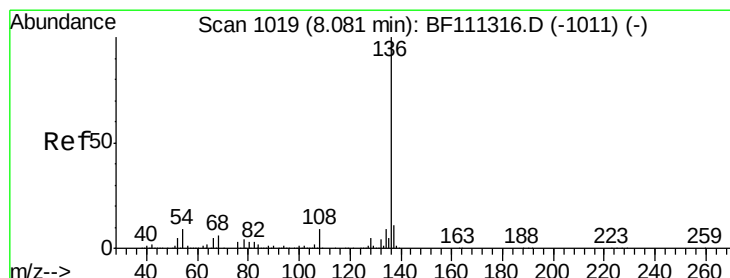
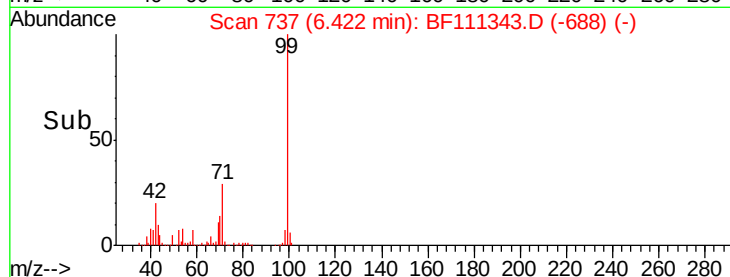
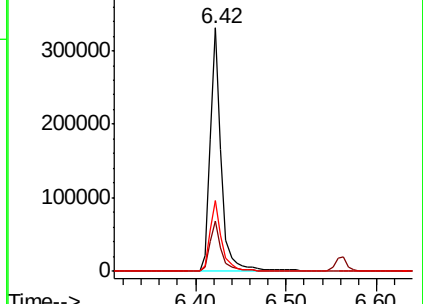
71 28.9 26.1 39.1



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: BF111343.D

Acq: 13 Dec 2018 1:13

Tgt Ion: 136 Resp: 773712

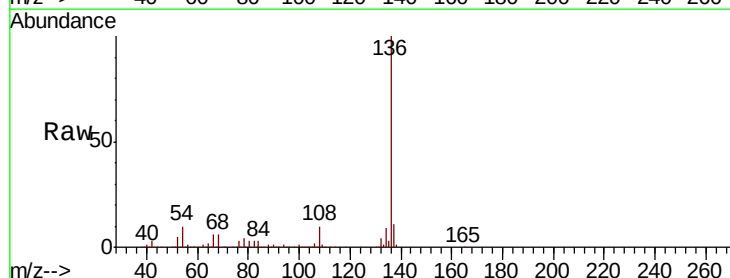
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.0 7.7 11.5

68 5.9 4.9 7.3

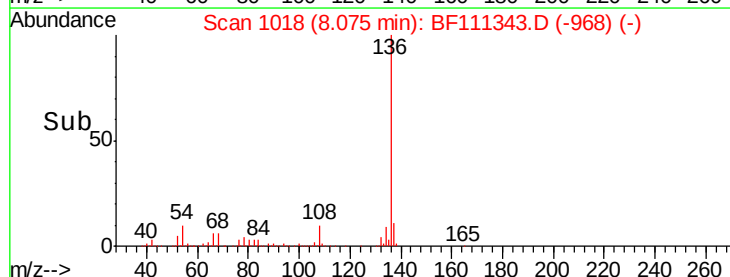
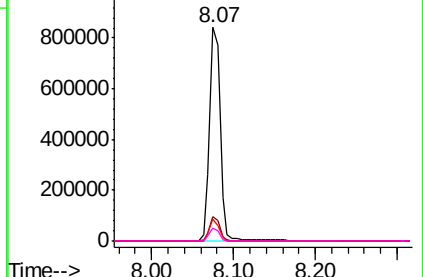


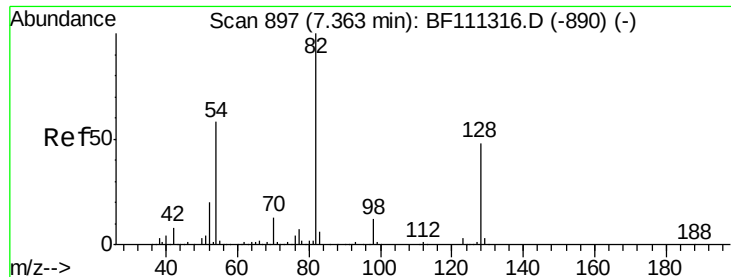
Abundance Ion 136.00 (135.70 to 136.70): E

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

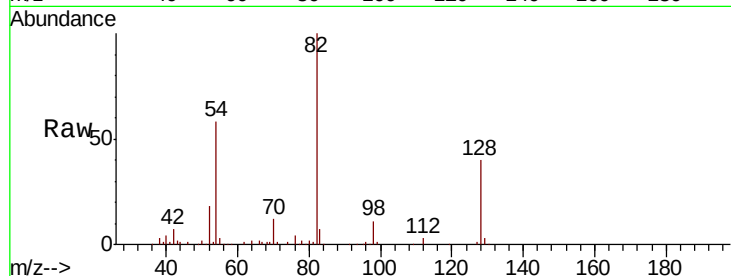




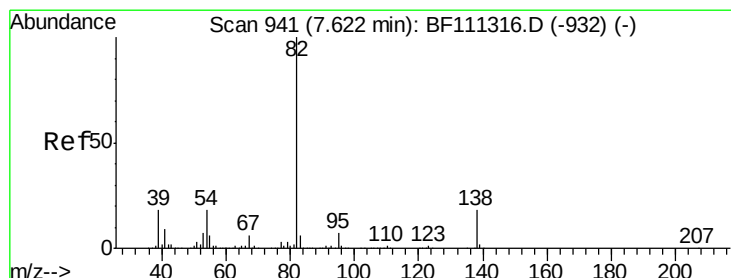
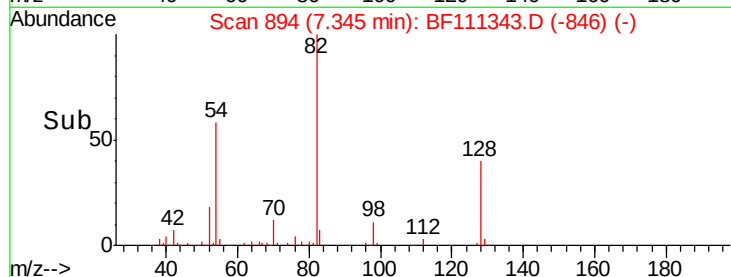
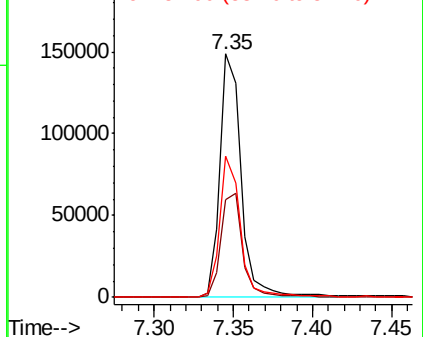
#23
Nitrobenzene-d5
Concen: 10.101 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.9	37.4	56.2
54	57.9	47.6	71.4

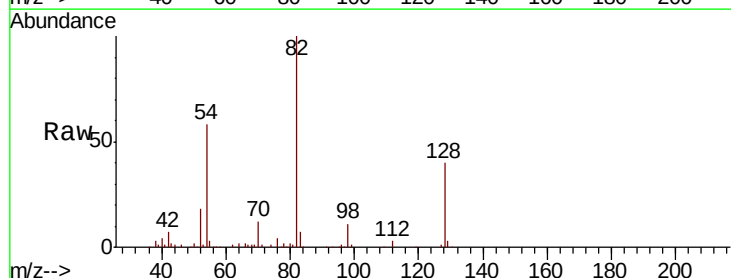


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

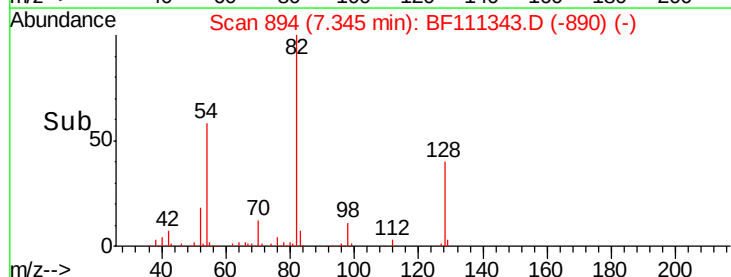
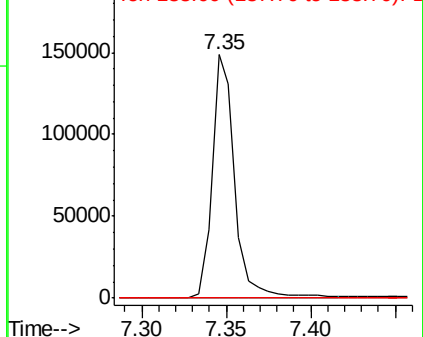


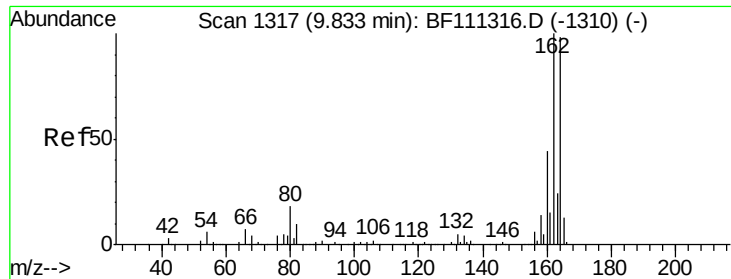
#25
Isophorone
Concen: 5.946 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.28 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt 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

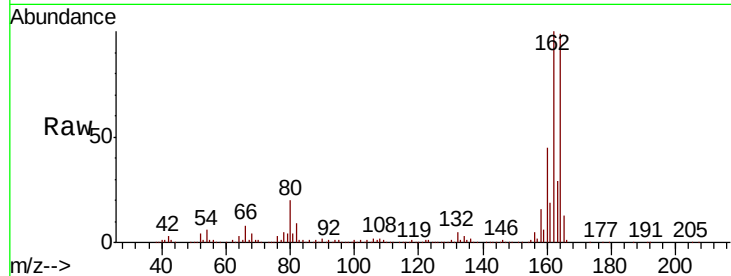




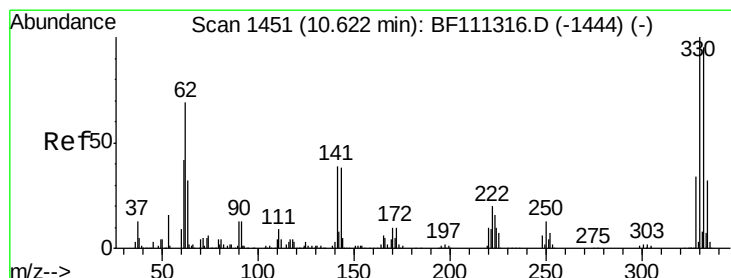
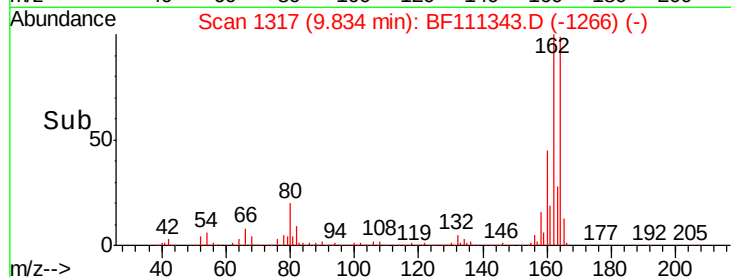
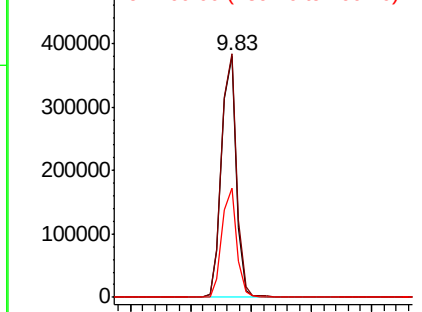
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.4	122.0
160	45.1	35.7	53.5

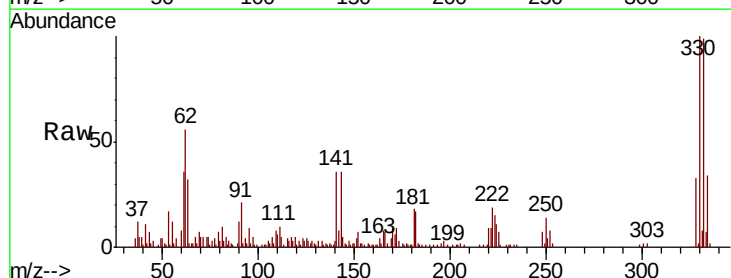


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

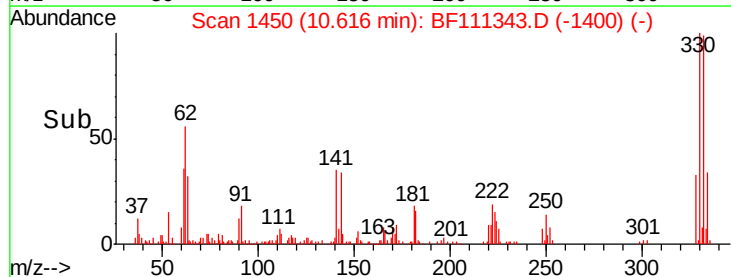
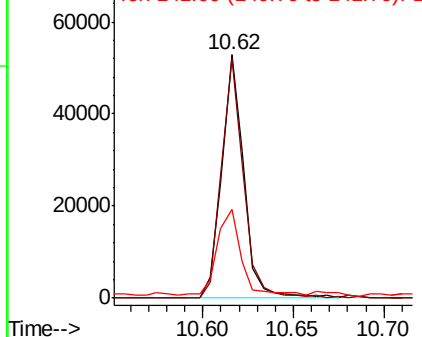


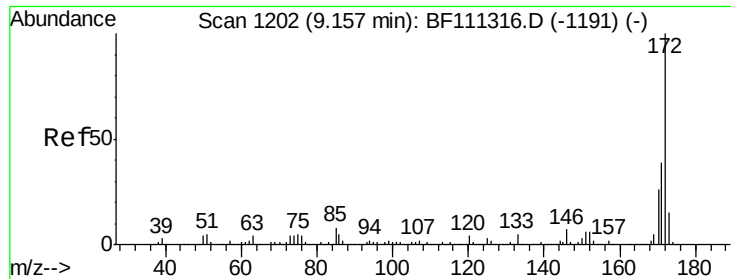
#42
 2,4,6-Tribromophenol
 Concen: 15.810 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.0	114.0
141	37.9	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

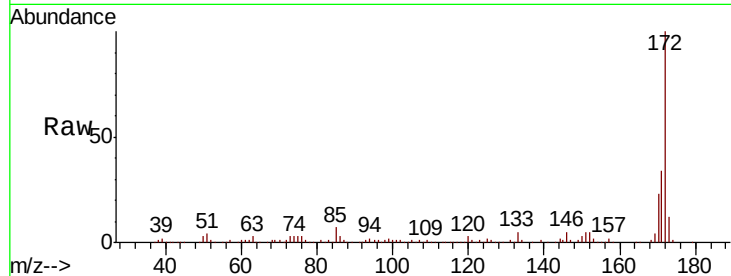




#45
2-Fluorobiphenyl
Concen: 13.824 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	33.0	49.4
170	22.8	22.3	33.5

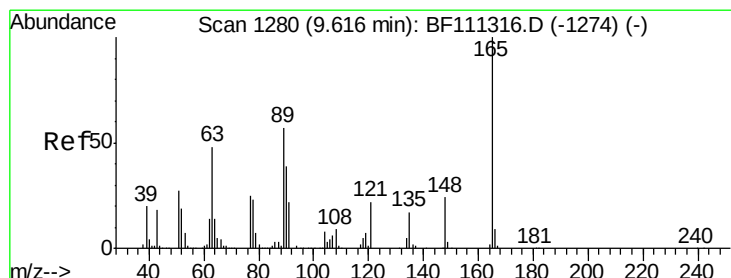
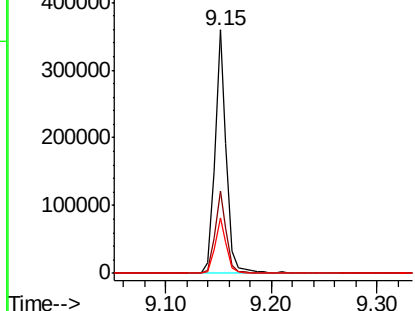
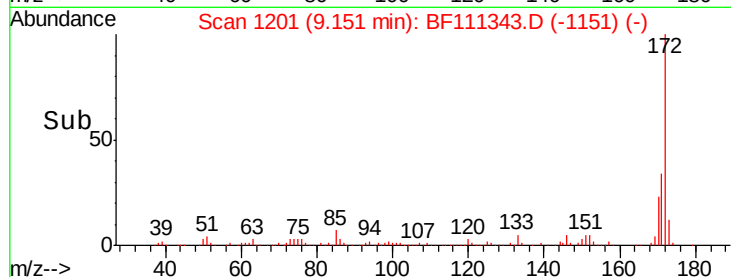


Abundance

Ion 172.00 (171.70 to 172.70): E

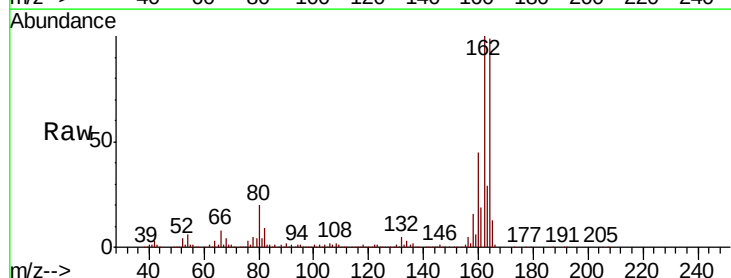
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
2,6-Dinitrotoluene
Concen: 8.554 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.5	60.7#
89	2.4	40.0	60.0#

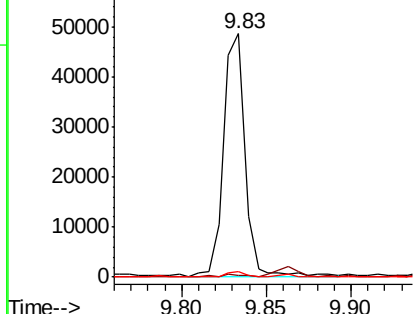
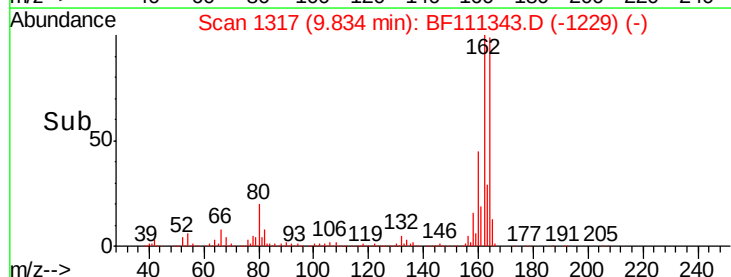


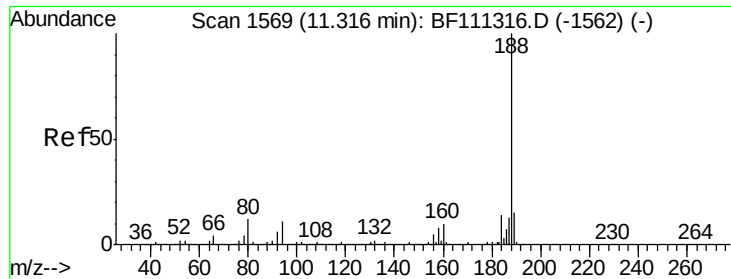
Abundance

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

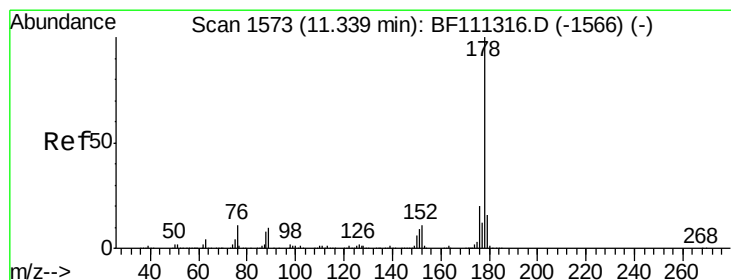
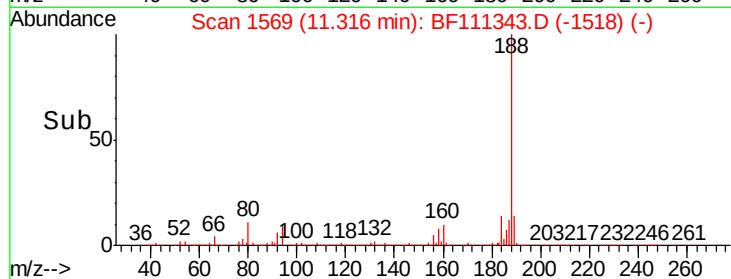
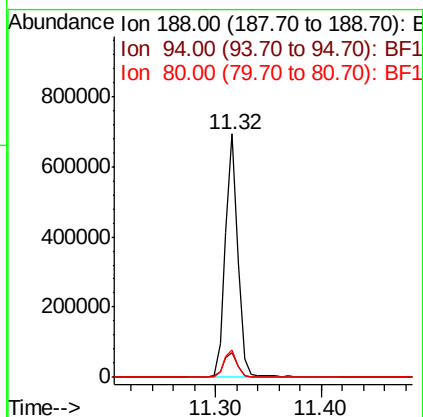
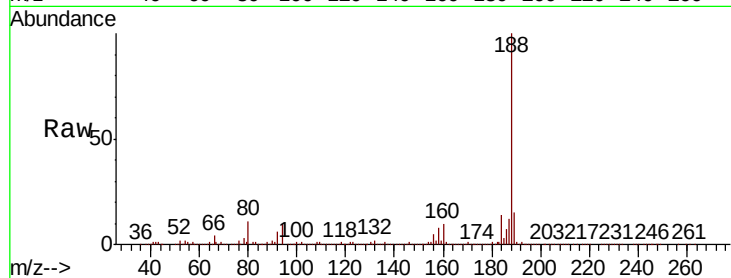




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

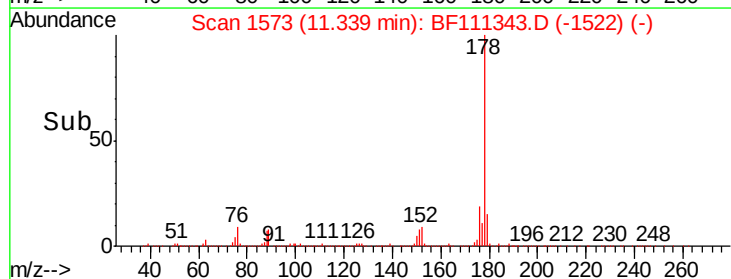
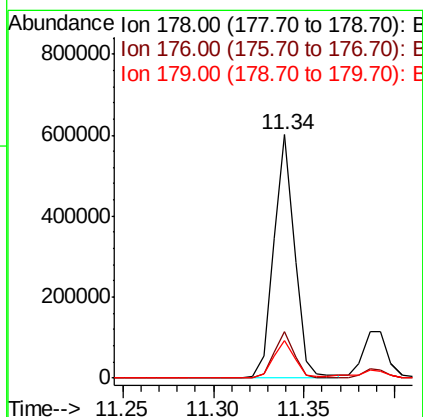
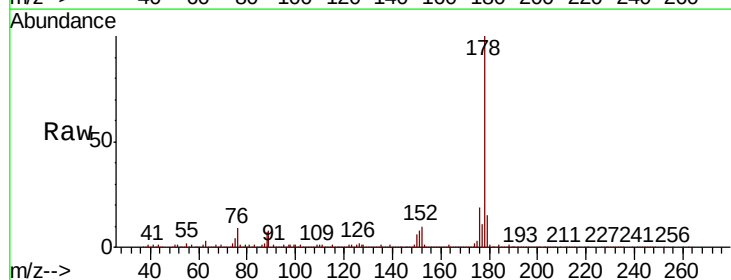
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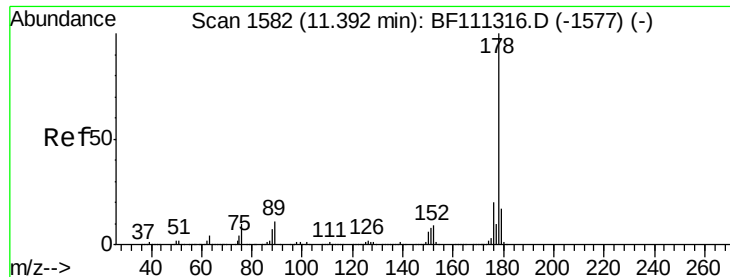
Tgt Ion:188 Resp: 575219
Ion Ratio Lower Upper
188 100
94 10.1 9.6 14.4
80 11.1 9.8 14.6



#71
Phenanthrene
Concen: 15.980 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion:178 Resp: 475128
Ion Ratio Lower Upper
178 100
176 19.0 18.1 27.1
179 15.5 14.0 21.0

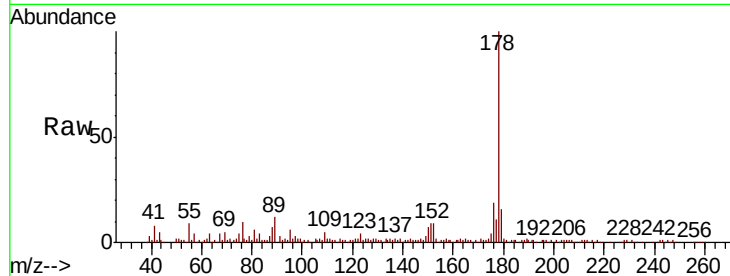




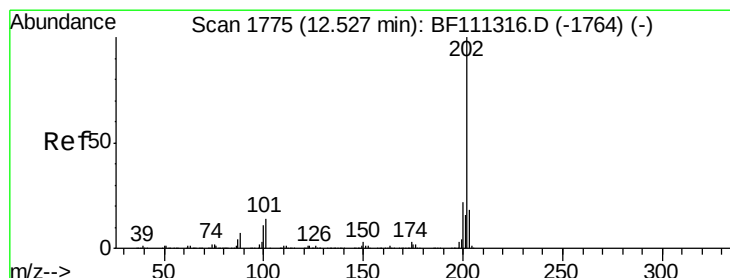
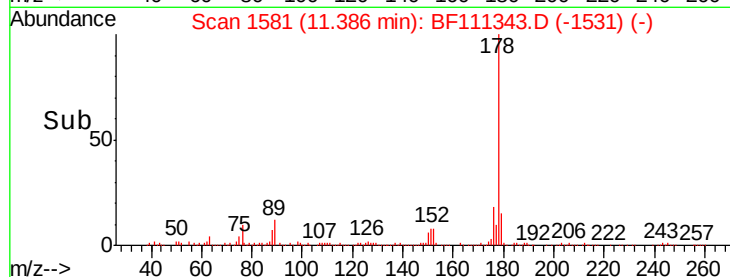
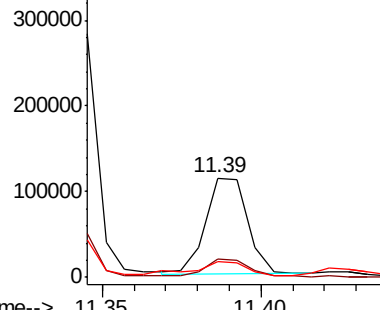
#72
 Anthracene
 Concen: 3.433 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(12.5-14.5)

Tgt Ion:178 Resp: 103944
 Ion Ratio Lower Upper
 178 100
 176 18.7 17.2 25.8
 179 15.9 13.8 20.8

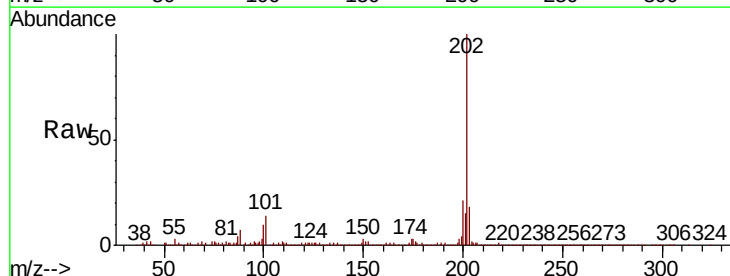


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

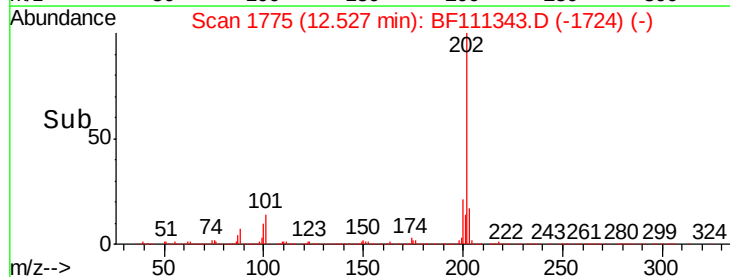
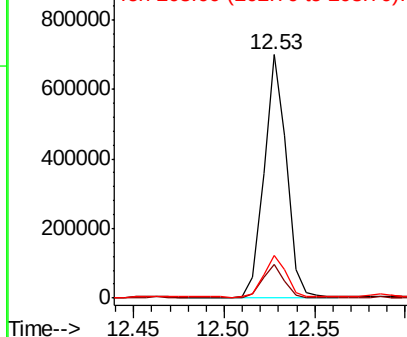


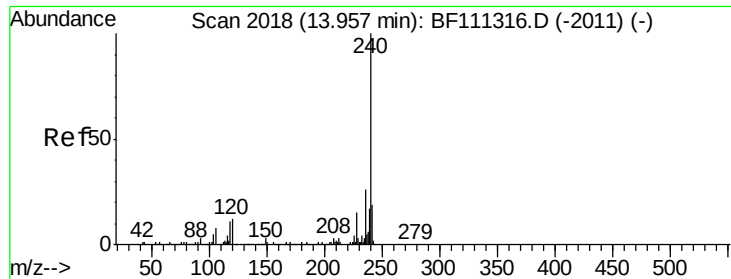
#75
 Fluoranthene
 Concen: 20.516 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF111343.D
 Acq: 13 Dec 2018 1:13

Tgt Ion:202 Resp: 595467
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 33.8
 203 17.6 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

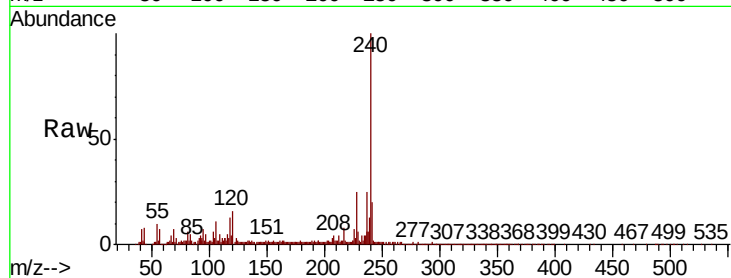




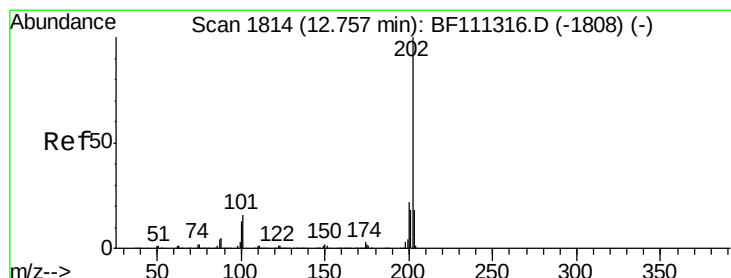
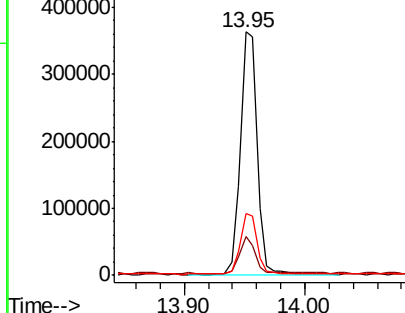
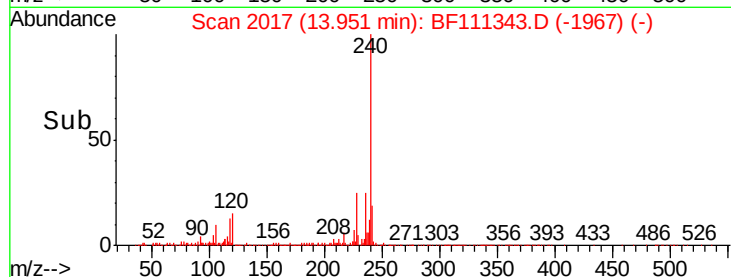
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.8	12.2	18.2
236	25.2	20.2	30.2

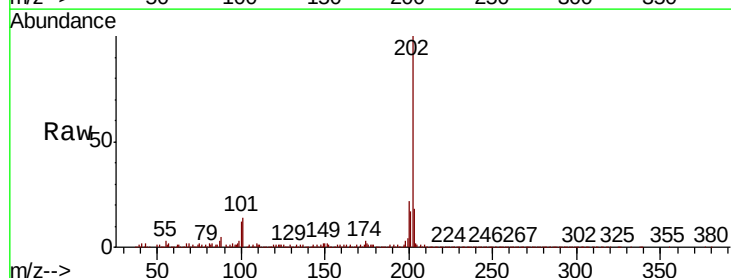


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

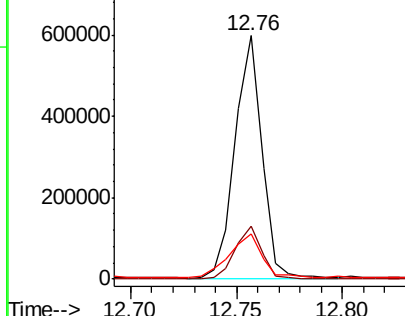
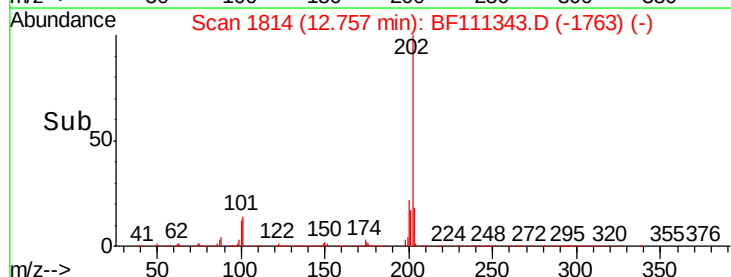


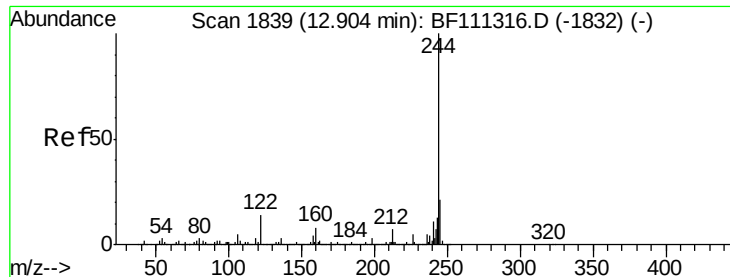
#78
Pyrene
Concen: 19.320 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.0	28.4
203	18.5	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: 14.290 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

ClientSampleId :

SB-3(12.5-14.5)

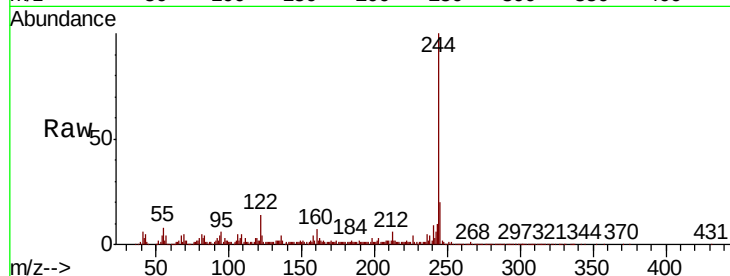
Tgt Ion:244 Resp: 229970

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

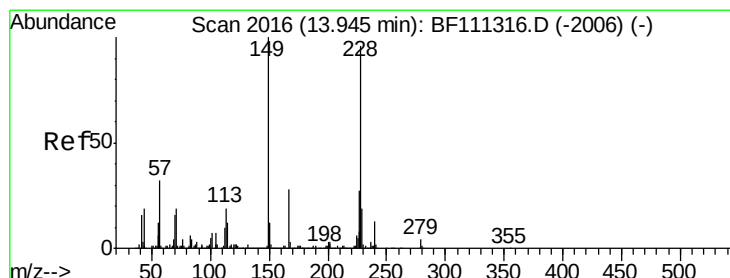
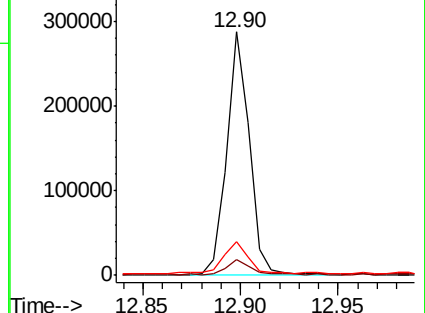
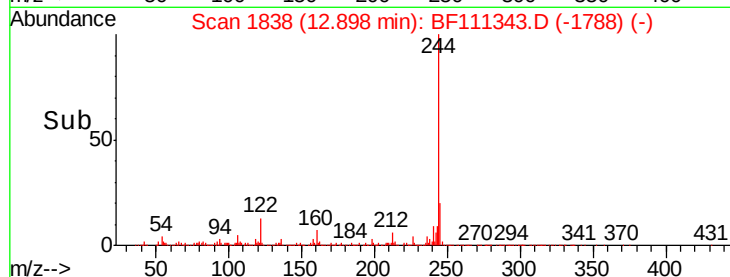
122 14.0 13.1 19.7



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: 9.762 ng

RT: 13.95 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

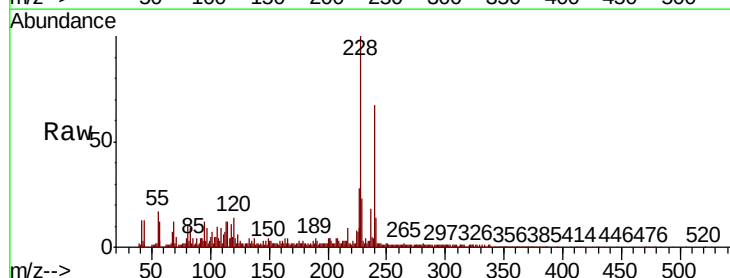
Tgt Ion:228 Resp: 193469

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

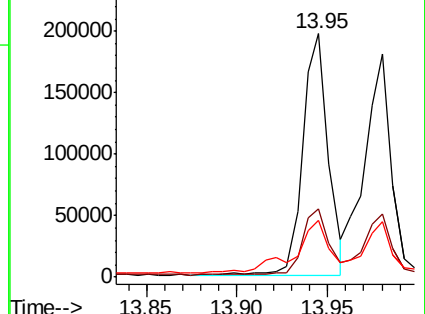
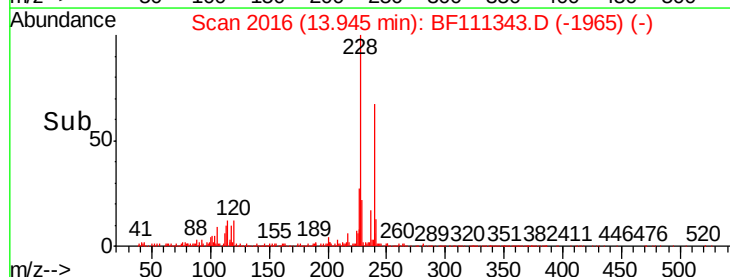
229 23.1 16.3 24.5

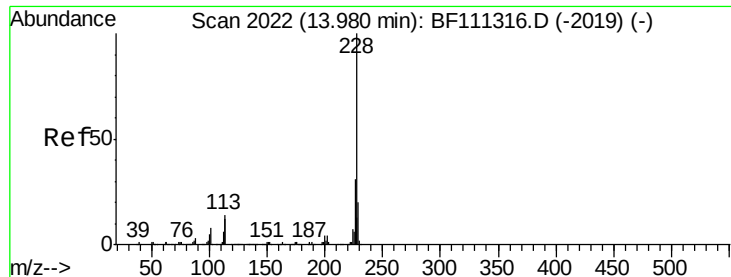


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 9.237 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

ClientSampleId :

SB-3(12.5-14.5)

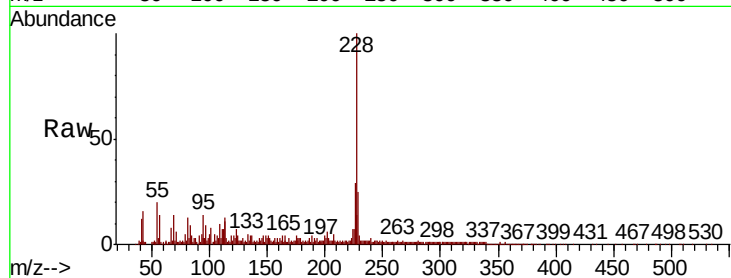
Tgt Ion:228 Resp: 186758

Ion Ratio Lower Upper

228 100

226 28.6 25.3 37.9

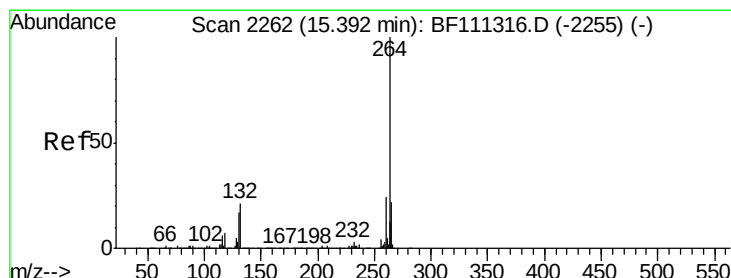
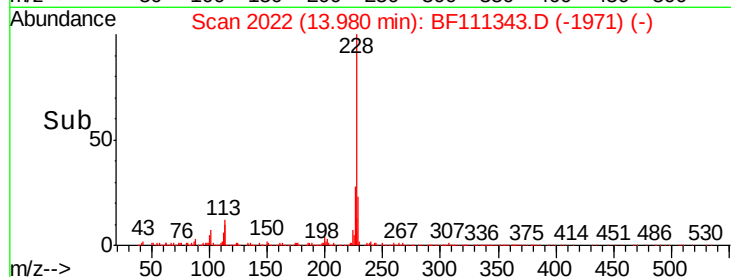
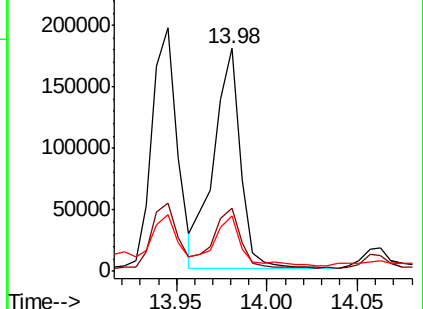
229 24.8 17.2 25.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

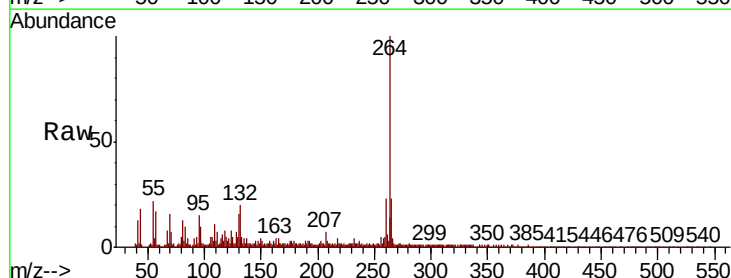
Tgt Ion:264 Resp: 290615

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

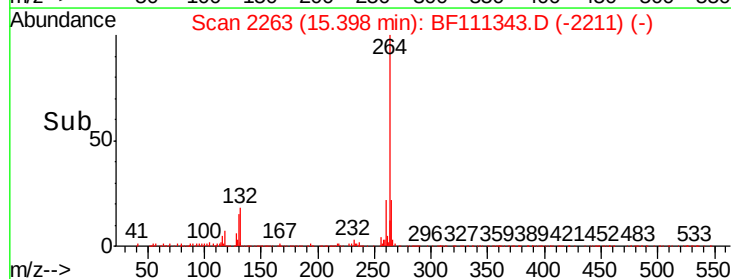
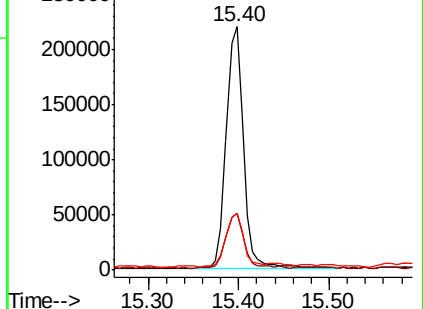
265 23.2 17.7 26.5

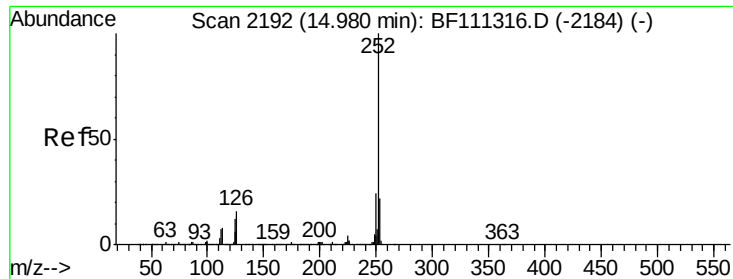


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

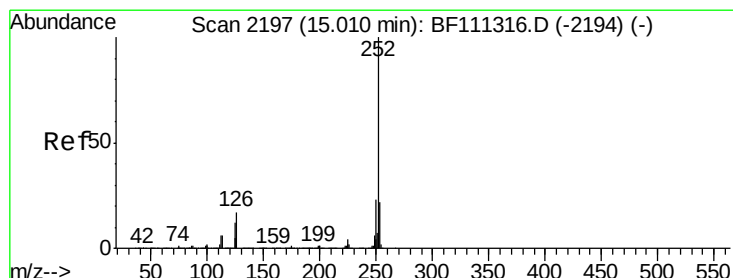
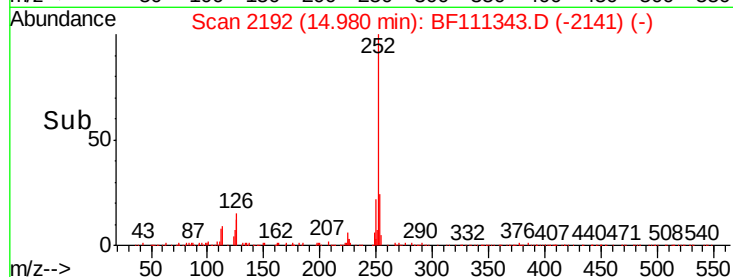
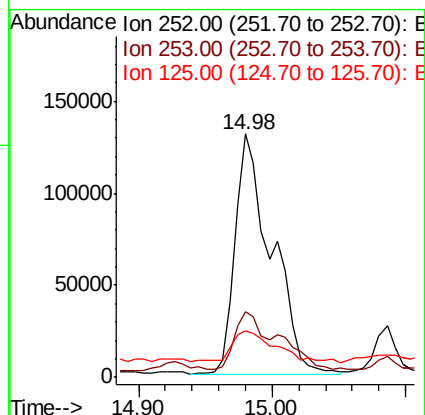
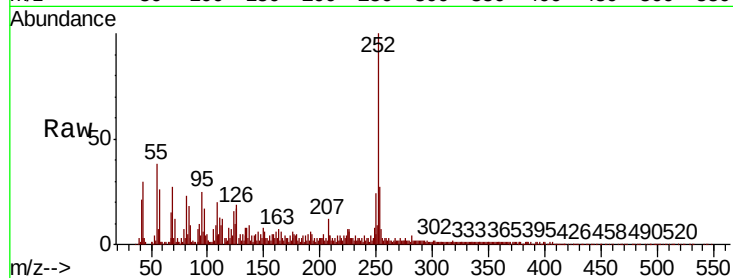




#88
Benzo(b)fluoranthene
Concen: 15.072 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

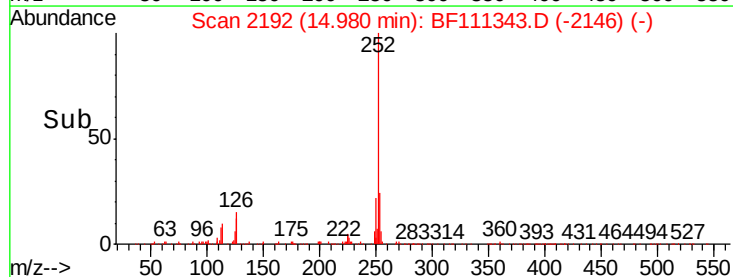
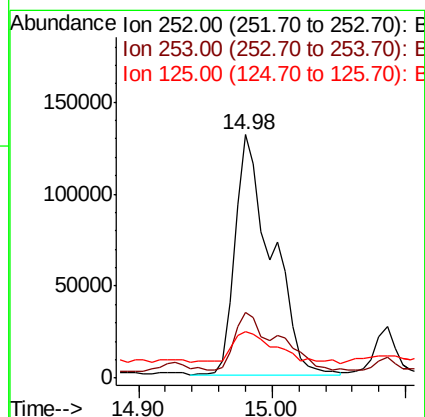
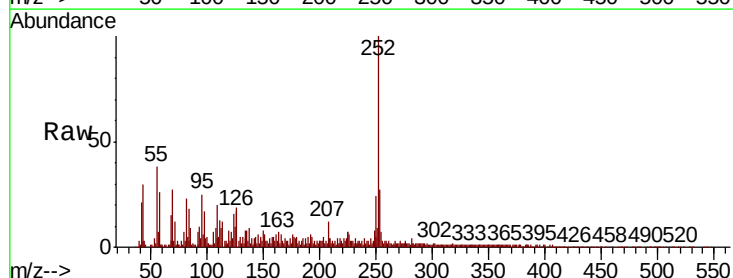
Instrument :
BNA_F
ClientSampleId :
SB-3(12.5-14.5)

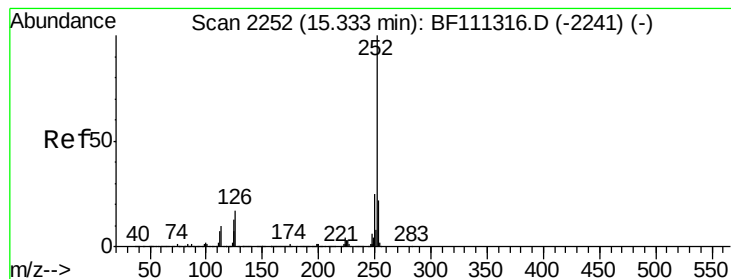
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.2	27.2
125	19.3	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 15.099 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF111343.D
Acq: 13 Dec 2018 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.1	27.1
125	19.3	9.8	14.8





#90

Benzo(a)pyrene

Concen: 8.817 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

Instrument :

BNA_F

ClientSampleId :

SB-3(12.5-14.5)

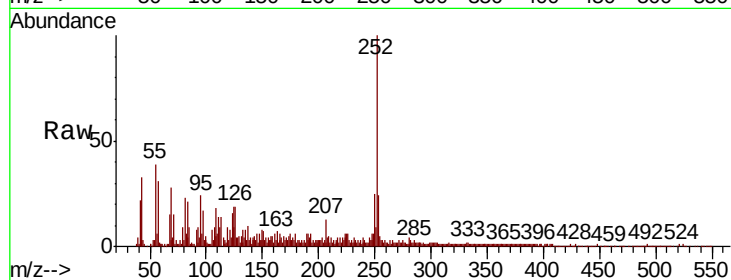
Tgt Ion: 252 Resp: 135660

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 19.5 12.3 18.5#

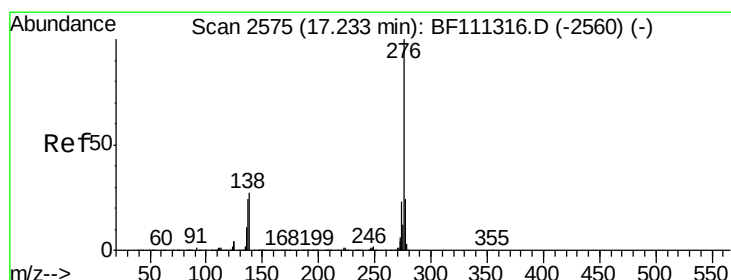
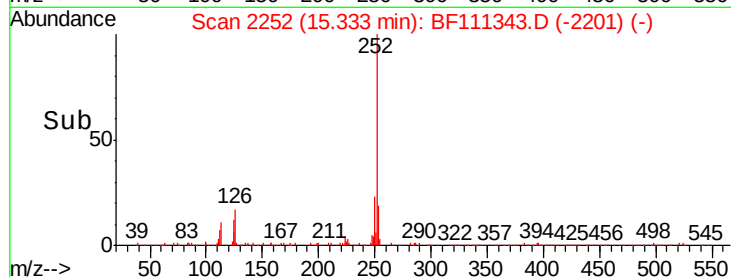
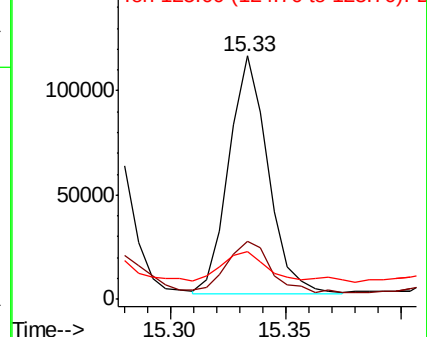


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 5.267 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF111343.D

Acq: 13 Dec 2018 1:13

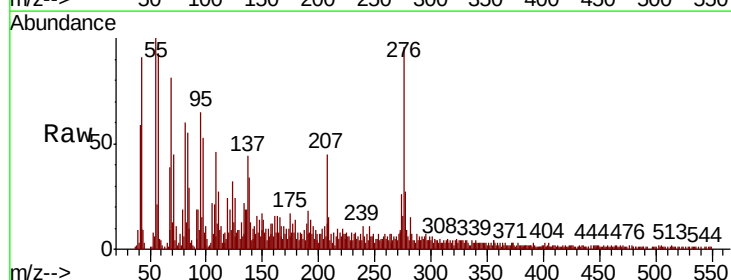
Tgt Ion: 276 Resp: 67406

Ion Ratio Lower Upper

276 100

277 28.6 19.2 28.8

138 35.7 24.9 37.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

