

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116683.D
 Acq On : 31 Aug 2019 6:28
 Operator : HP/JU
 Sample : K4527-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 11:17:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	102431	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	418806	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	208725	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	313950	20.00	ng	0.00
76) Chrysene-d12	13.99	240	234257	20.00	ng	0.00
87) Perylene-d12	15.44	264	259302	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	112229	17.75	ng	-0.01
7) Phenol-d6	6.46	99	153350	18.47	ng	-0.02
23) Nitrobenzene-d5	7.40	82	89560	12.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	22711	16.28	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	164241	13.27	ng	-0.01
79) Terphenyl-d14	12.94	244	128184	10.12	ng	-0.01

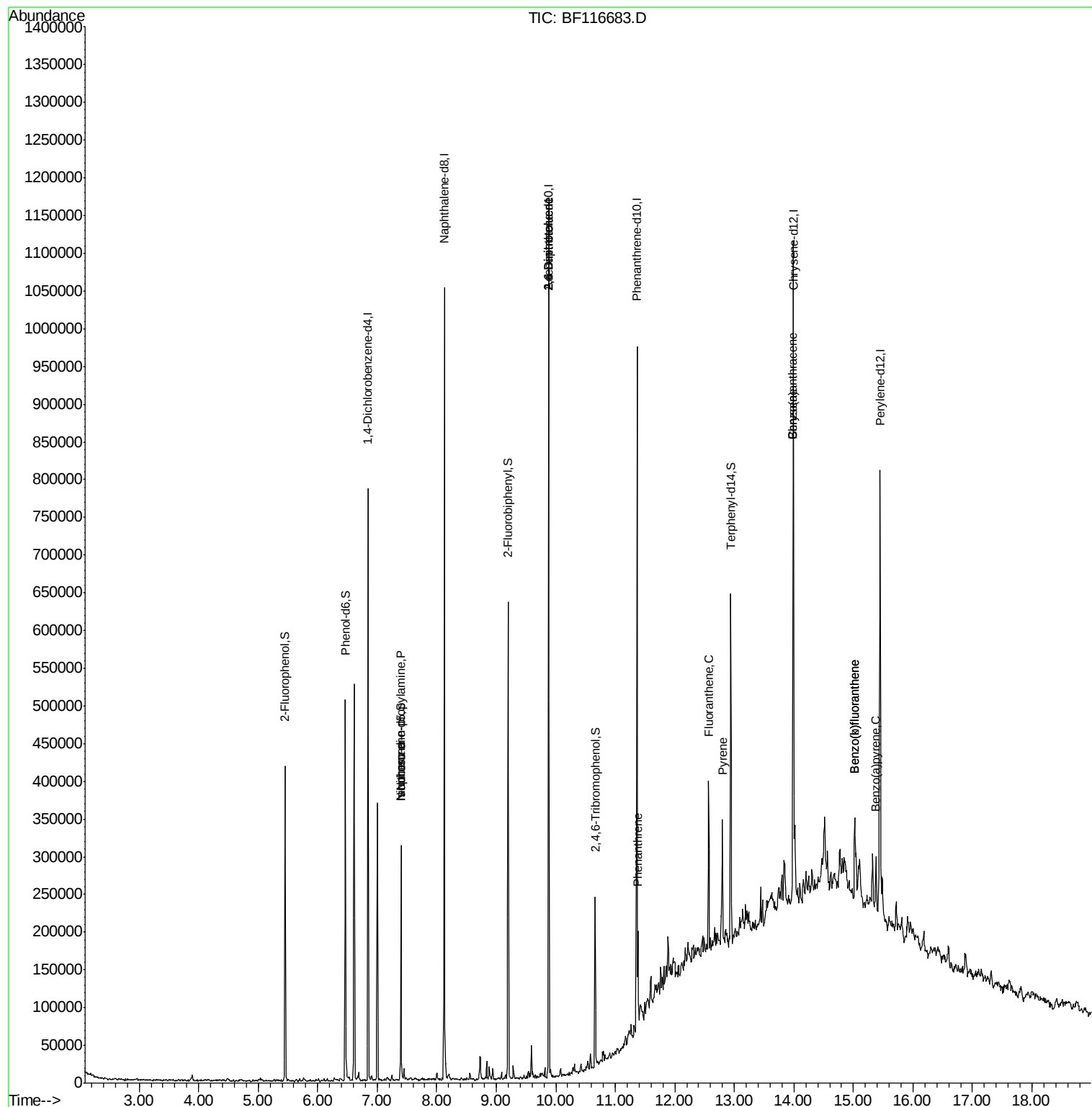
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	11653	2.132	ng	# 77
25) Isophorone	7.40	82	89559	6.025	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	27363	9.952	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	27363	8.139	ng	# 21
71) Phenanthrene	11.39	178	43580	2.494	ng	98
75) Fluoranthene	12.57	202	75775	4.412	ng	99
78) Pyrene	12.80	202	65100	3.126	ng	97
81) Benzo(a)anthracene	13.98	228	32156	2.169	ng	95
83) Chrysene	13.98	228	32156	2.105	ng	97
88) Benzo(b)fluoranthene	15.02	252	63451	4.047	ng	# 89
89) Benzo(k)fluoranthene	15.02	252	63451	4.439	ng	# 89
90) Benzo(a)pyrene	15.38	252	29604	2.171	ng	# 94

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116683.D
Acq On : 31 Aug 2019 6:28
Operator : HP/JU
Sample : K4527-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 31 11:17:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration



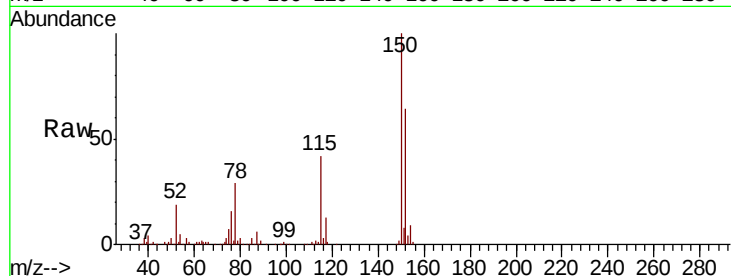


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.4	186.6
115	66.1	49.9	74.9

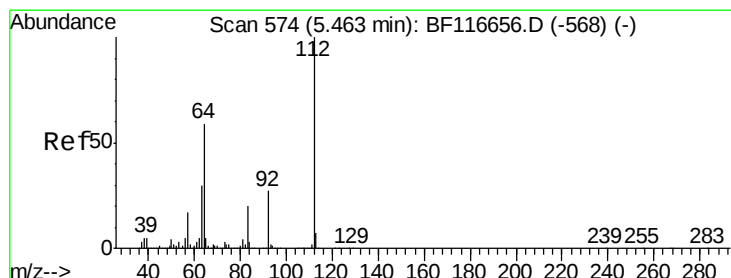
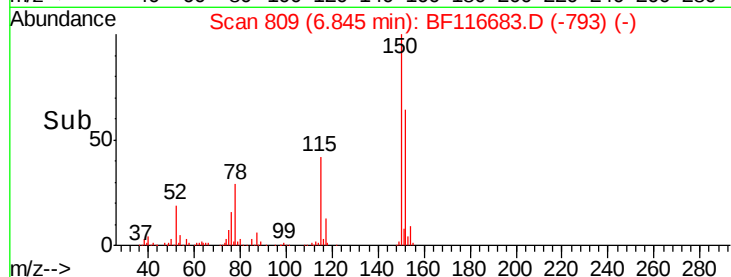
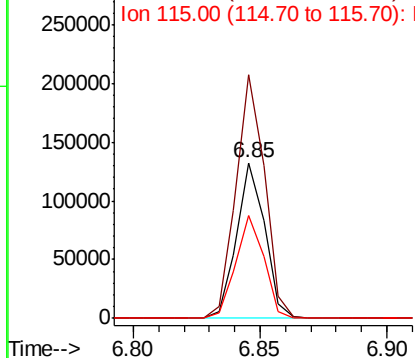


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

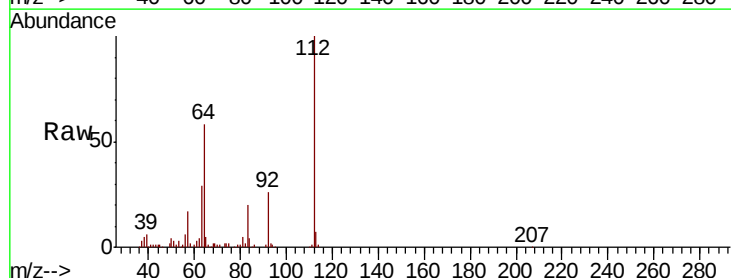
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.750 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.1	70.7
63	28.9	24.9	37.3

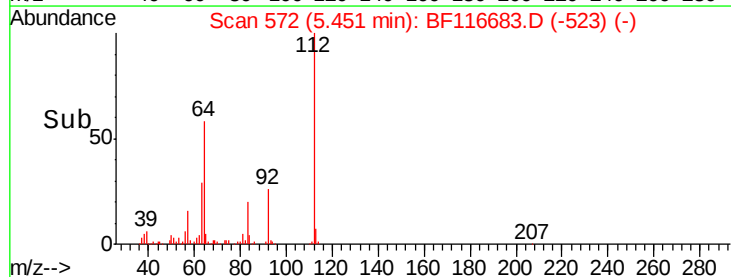
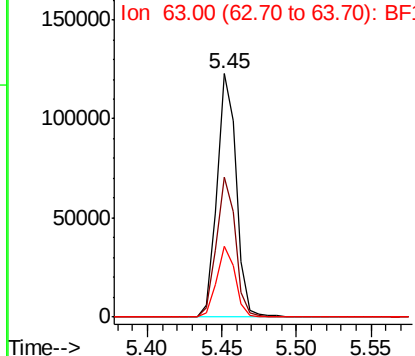


Abundance

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: 18.471 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampled :

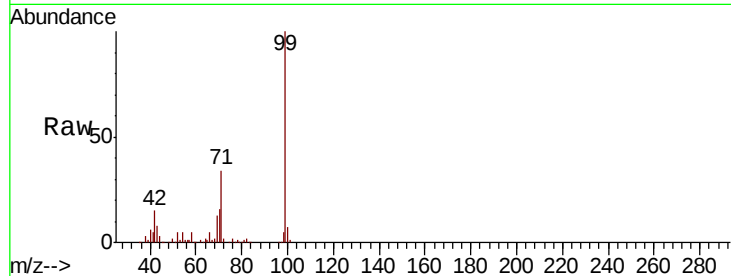
Tot Ion: 99 Resp: 153350

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

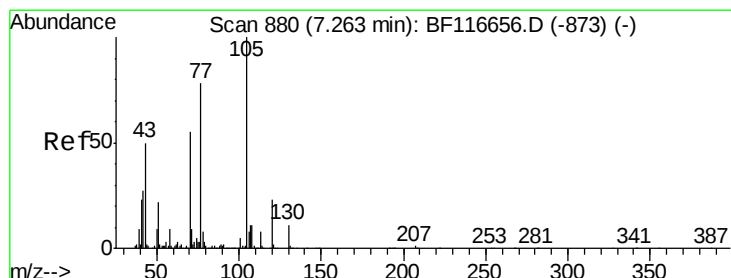
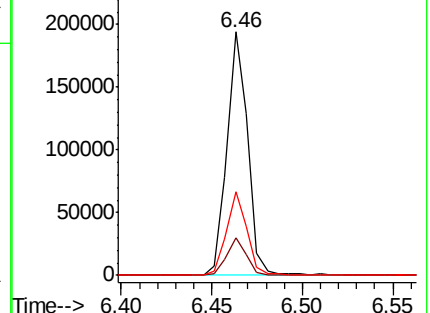
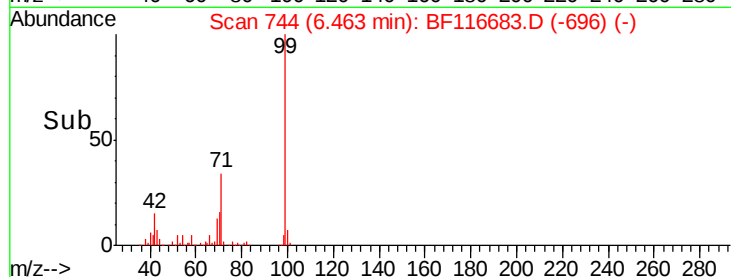
71 34.4 30.8 46.2



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: 2.132 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Tgt Ion: 70 Resp: 11653

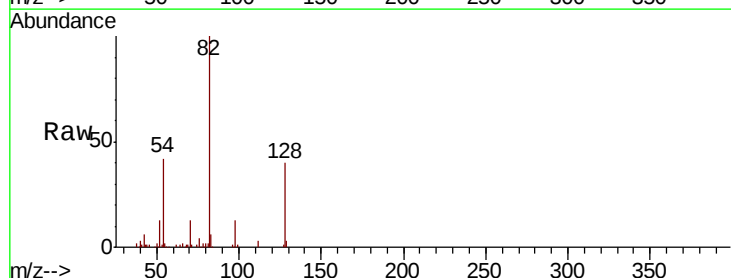
Ion Ratio Lower Upper

70 100

42 44.6 43.5 65.3

101 0.0 7.8 11.6#

130 0.0 16.6 24.8#

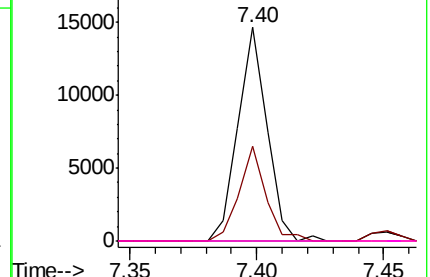
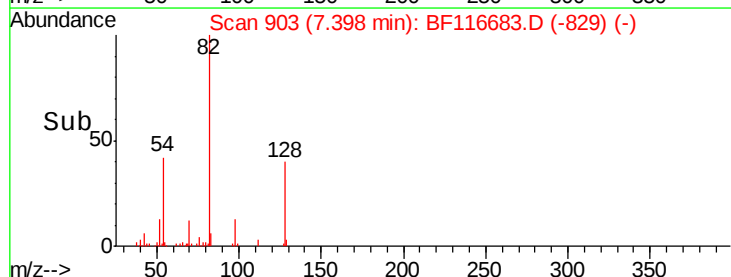


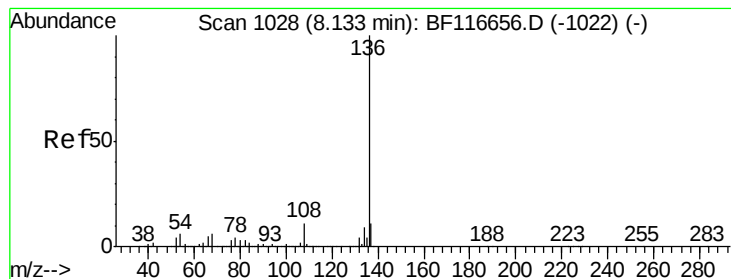
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116683.D

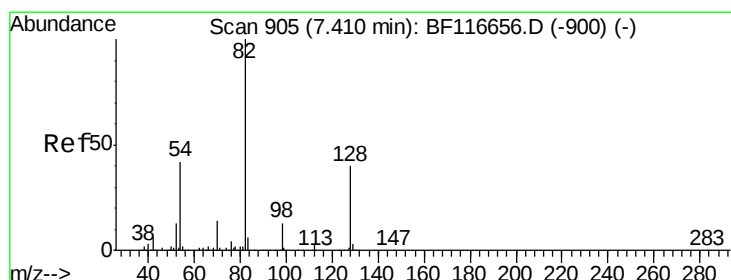
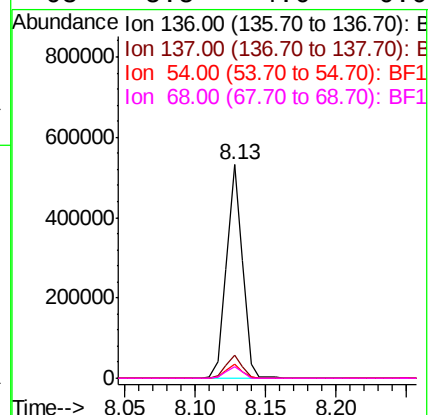
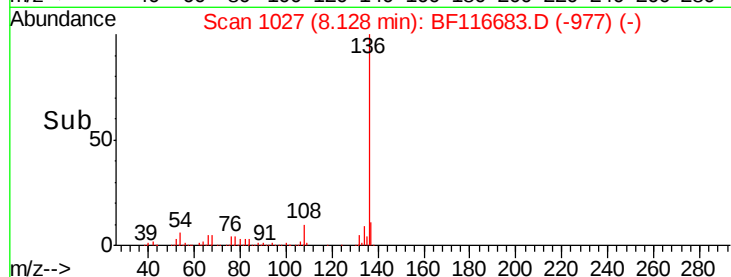
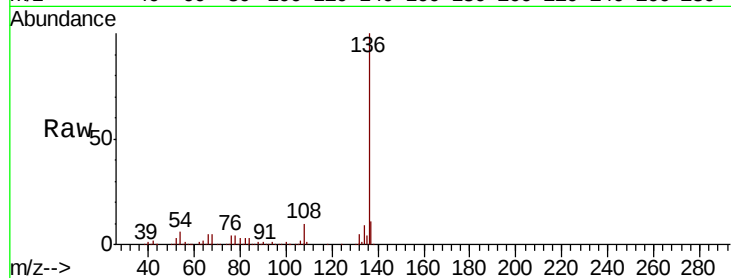
Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	418806
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.4	4.8 7.2
68	5.5	4.0 6.0



#23

Nitrobenzene-d5

Concen: 12.208 ng

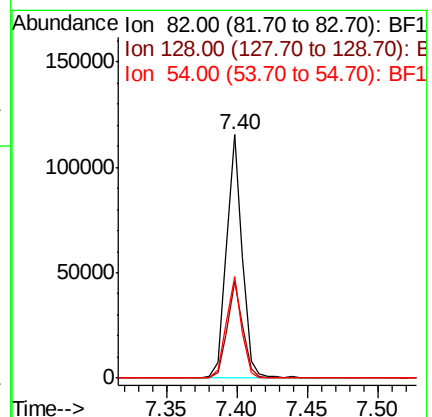
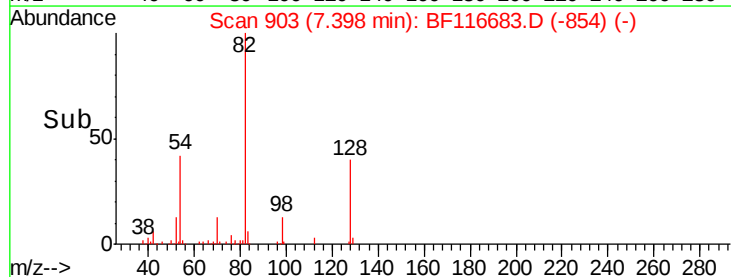
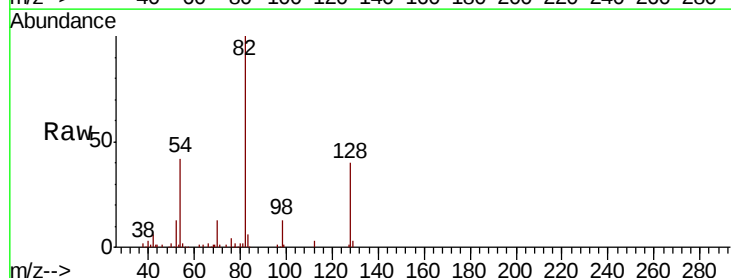
RT: 7.40 min Scan# 903

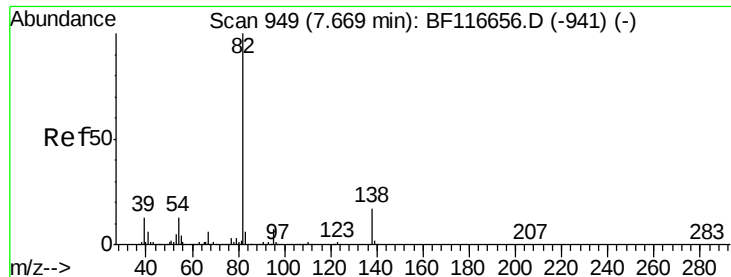
Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Tgt Ion: 82	Resp:	89560
Ion Ratio	Lower	Upper
82	100	
128	39.8	32.8 49.2
54	41.9	36.9 55.3





#25

Isophorone

Concen: 6.025 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampleId :

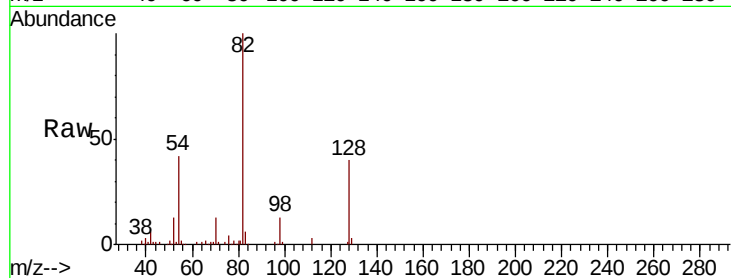
Tot Ion: 82 Resp: 89559

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

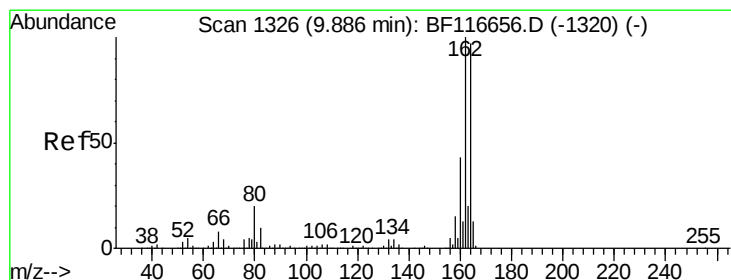
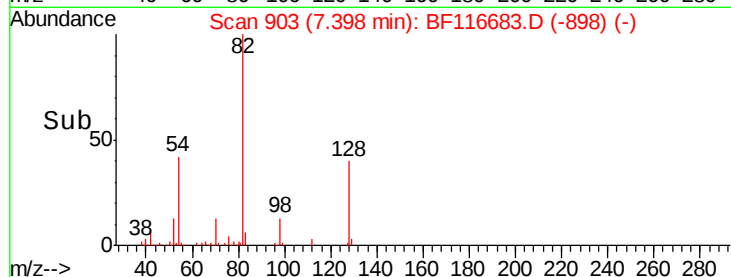
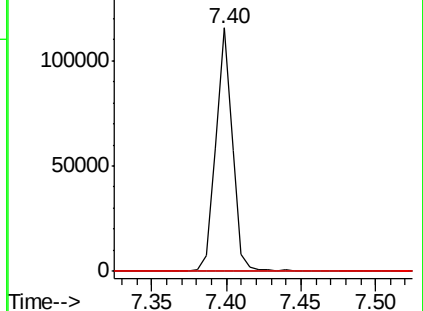
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

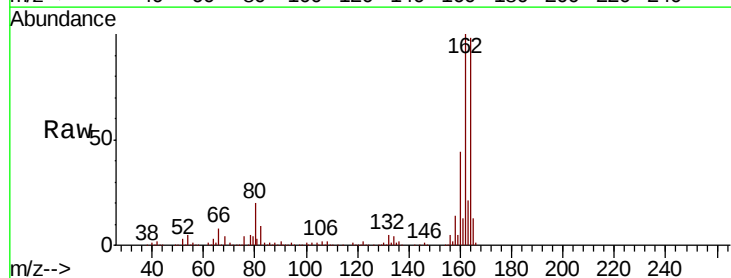
Tgt Ion: 164 Resp: 208725

Ion Ratio Lower Upper

164 100

162 101.8 81.4 122.0

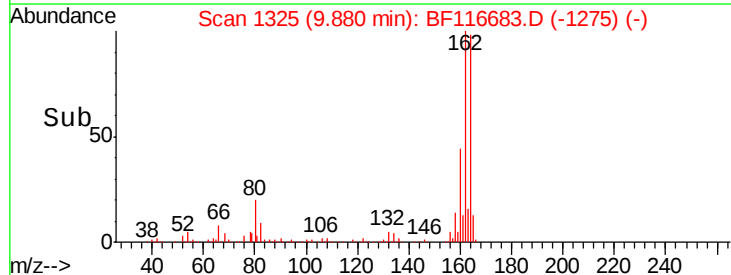
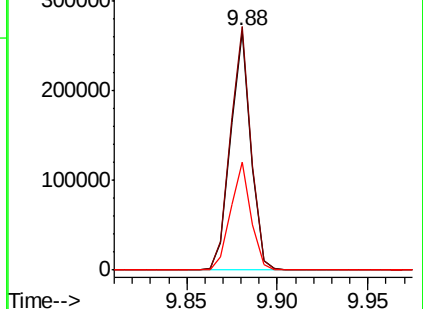
160 45.2 35.4 53.2

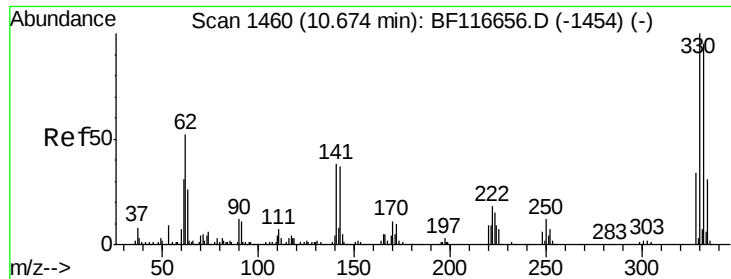


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 16.276 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampleId :

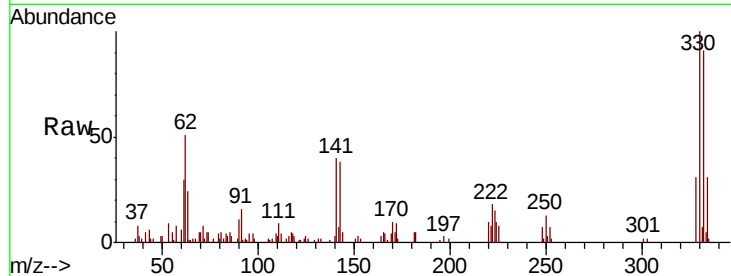
Tot Ion:330 Resp: 22711

Ion Ratio Lower Upper

330 100

332 92.7 76.9 115.3

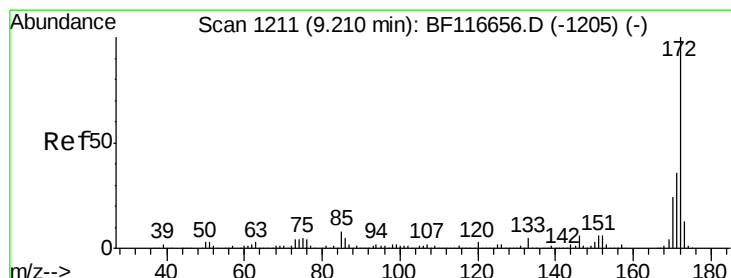
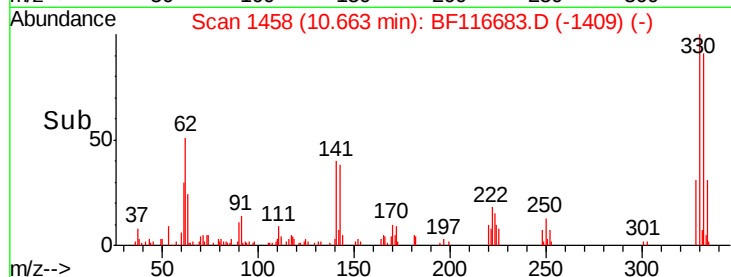
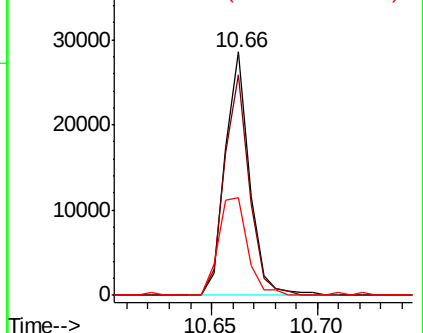
141 48.1 31.4 47.2#



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: 13.274 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

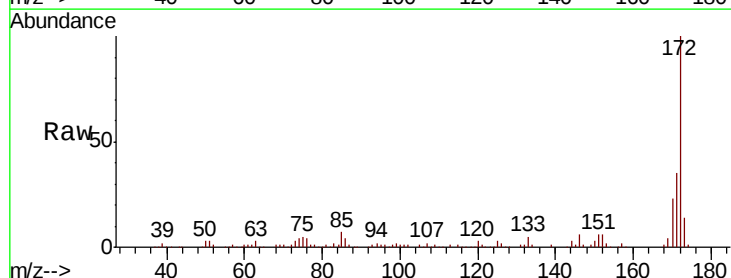
Tgt Ion:172 Resp: 164241

Ion Ratio Lower Upper

172 100

171 35.4 27.8 41.6

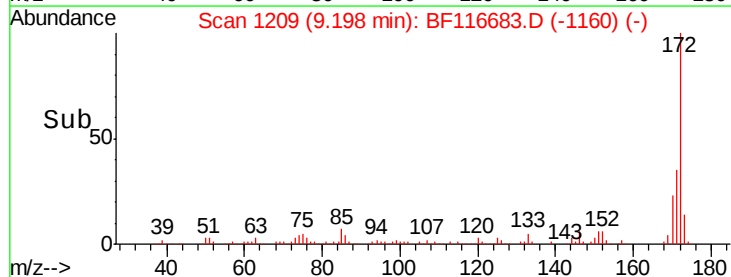
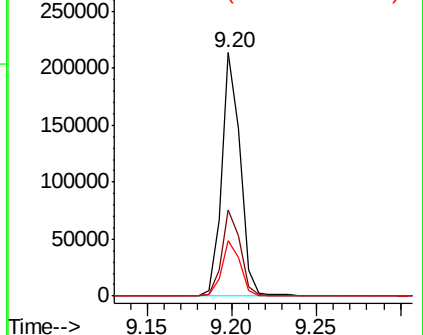
170 22.6 18.9 28.3

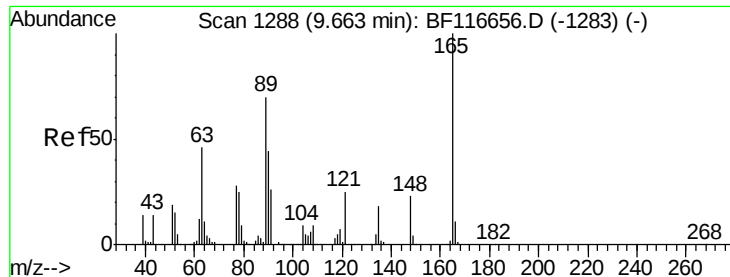


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

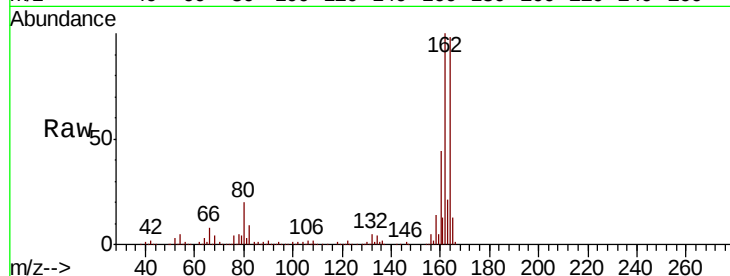




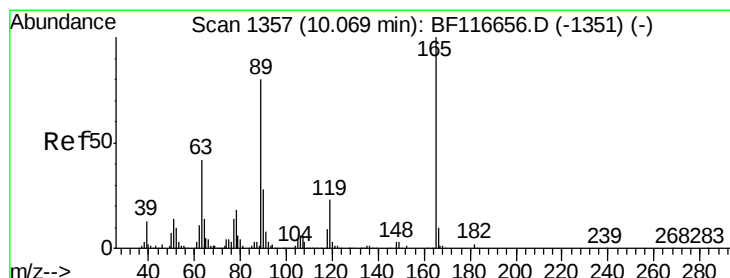
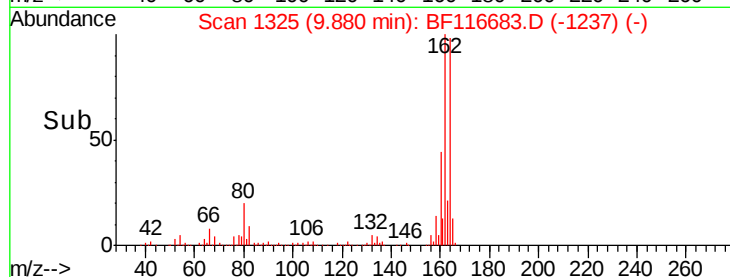
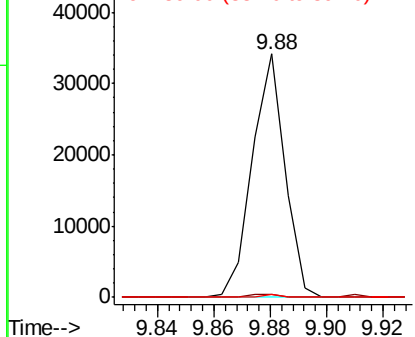
#51
2,6-Dinitrotoluene
Concen: 9.952 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	47.3	70.9#
89	1.2	52.5	78.7#

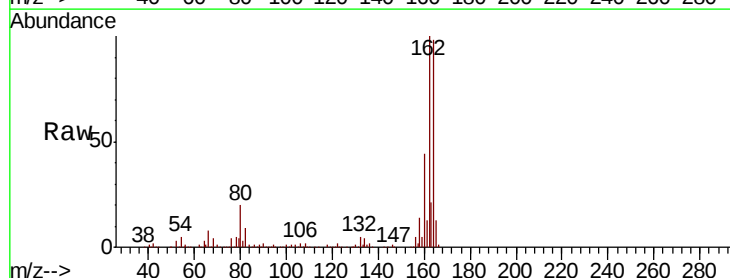


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

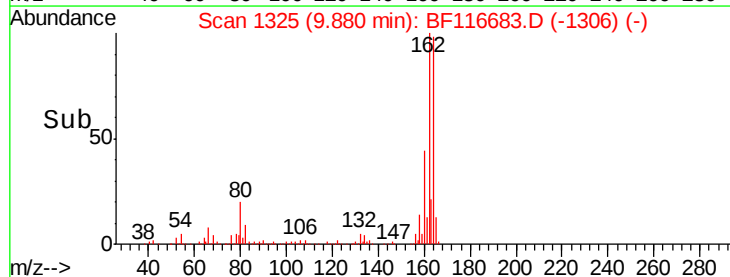
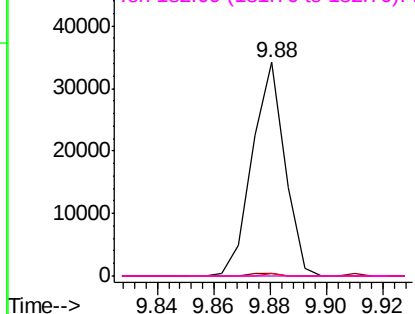


#57
2,4-Dinitrotoluene
Concen: 8.139 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	62.6	94.0#
182	0.0	2.1	3.1#



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

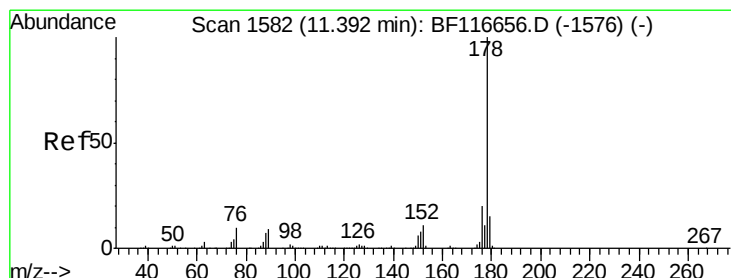
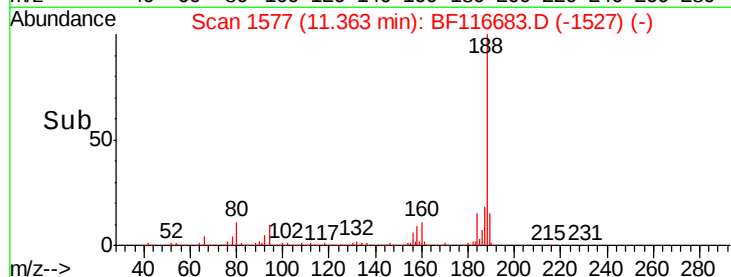
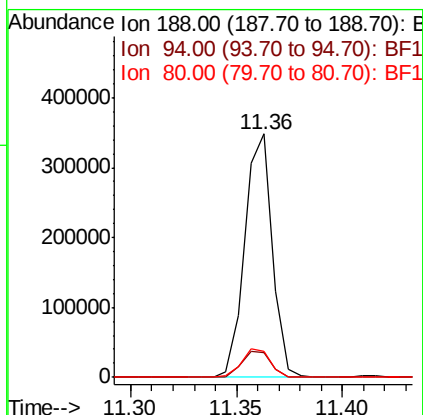
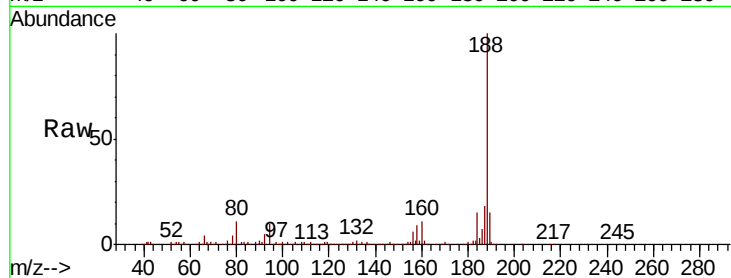




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

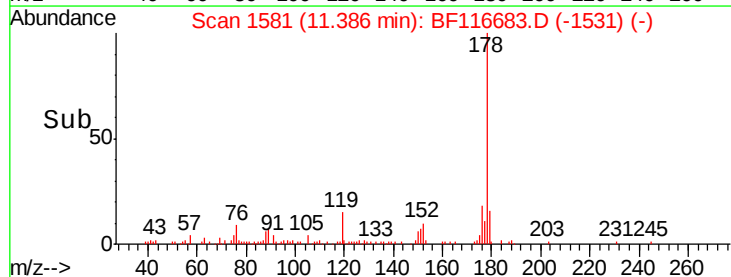
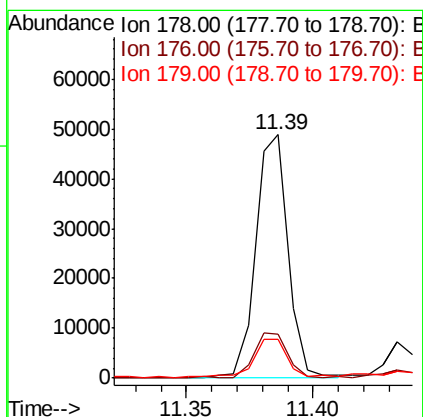
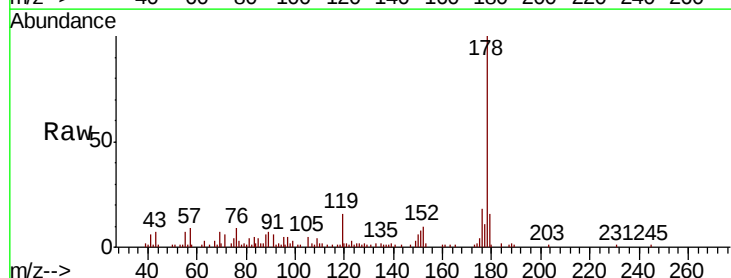
Instrument :
BNA_F
ClientSampleId :

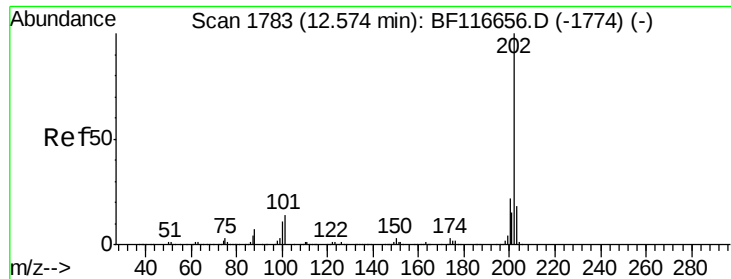
Tot Ion:188 Resp: 313950
Ion Ratio Lower Upper
188 100
94 10.3 7.3 10.9
80 10.7 8.4 12.6



#71
Phenanthrene
Concen: 2.494 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion:178 Resp: 43580
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 16.1 12.2 18.2





#75

Fluoranthene

Concen: 4.412 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampleId :

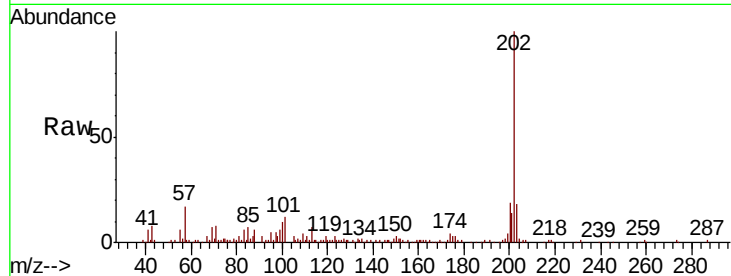
Tot Ion:202 Resp: 75775

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.3

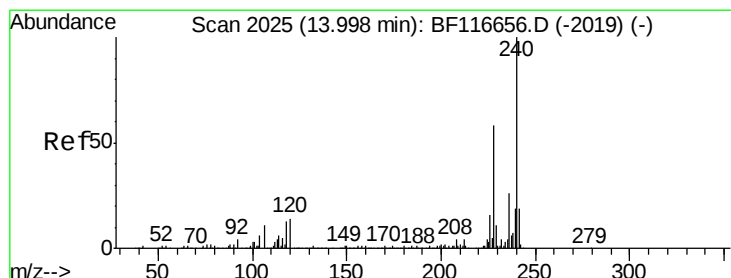
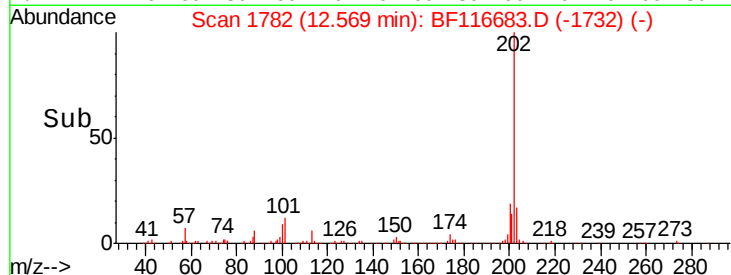
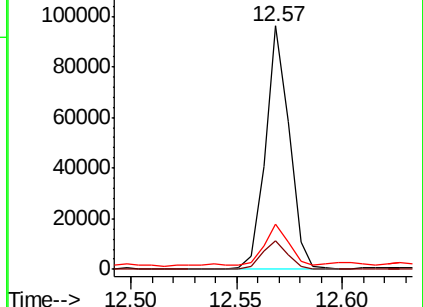
203 18.4 0.0 37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

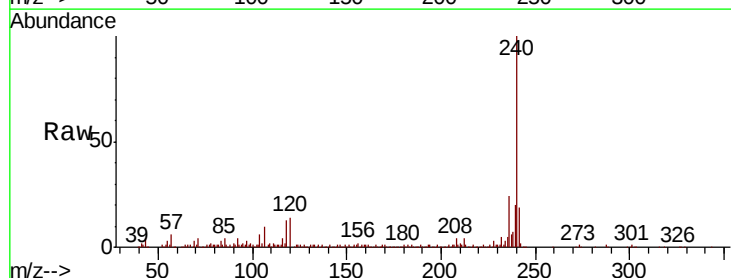
Tgt Ion:240 Resp: 234257

Ion Ratio Lower Upper

240 100

120 14.4 9.1 13.7#

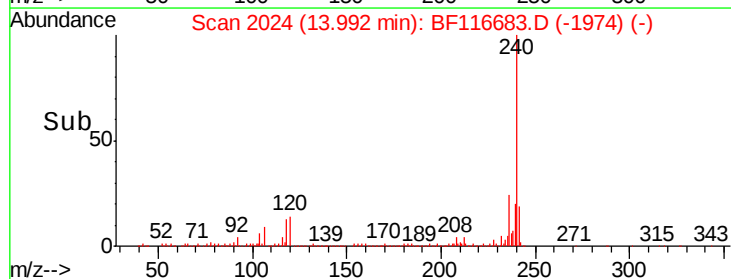
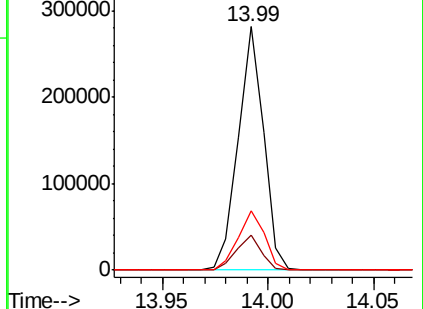
236 24.5 21.1 31.7

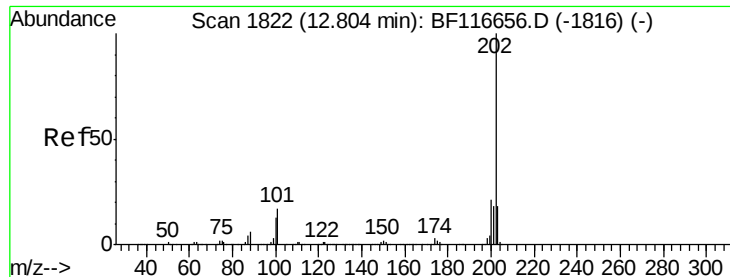


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.126 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampleId :

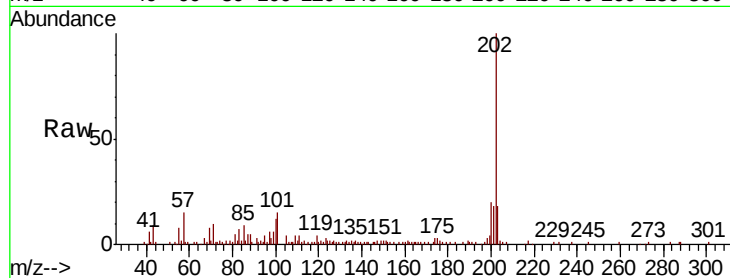
Tot Ion:202 Resp: 65100

Ion Ratio Lower Upper

202 100

200 19.6 16.5 24.7

203 18.4 13.7 20.5

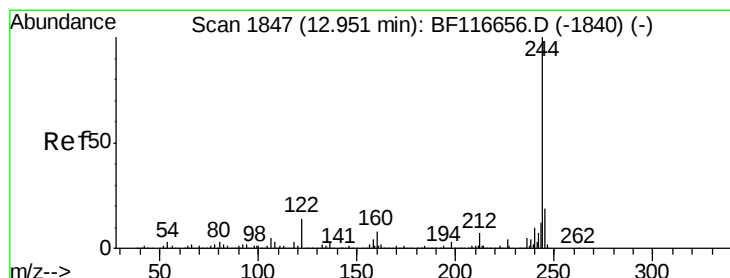
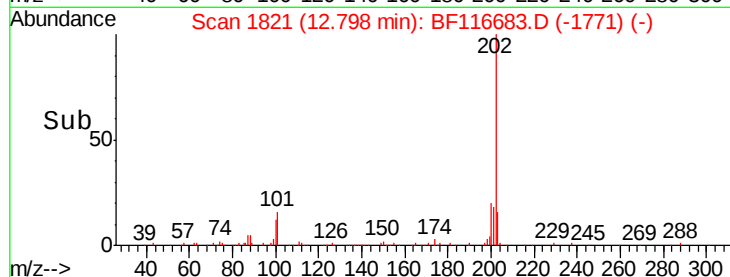
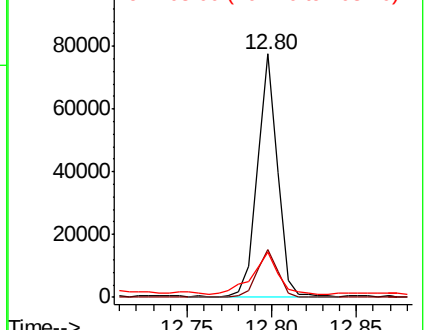


Abundance

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: 10.123 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

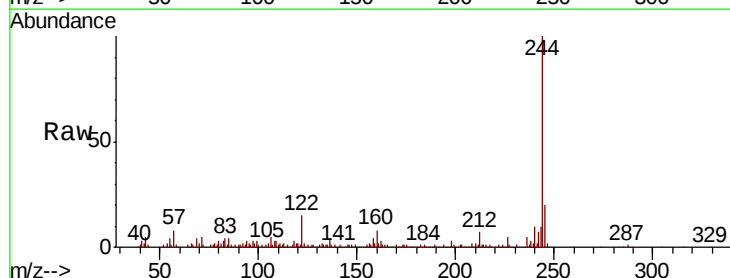
Tgt Ion:244 Resp: 128184

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 14.9 10.2 15.4

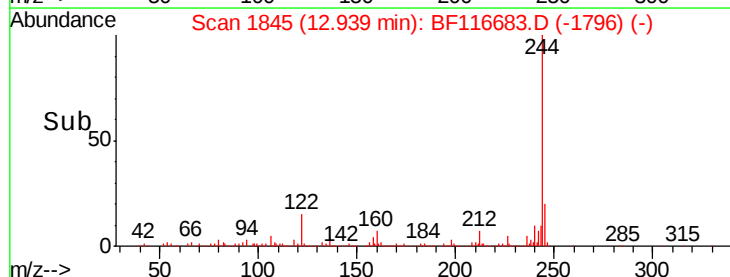
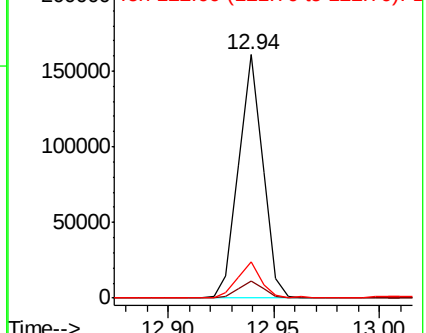


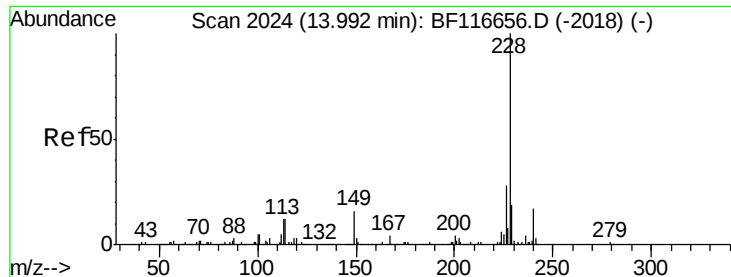
Abundance

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: 2.169 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

Instrument :

BNA_F

ClientSampled :

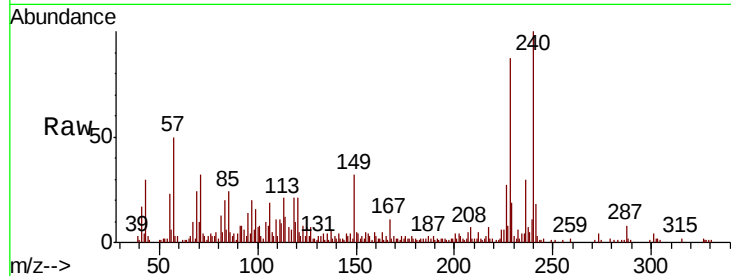
Tot Ion:228 Resp: 32156

Ion Ratio Lower Upper

228 100

226 30.6 22.0 33.0

229 22.0 16.4 24.6

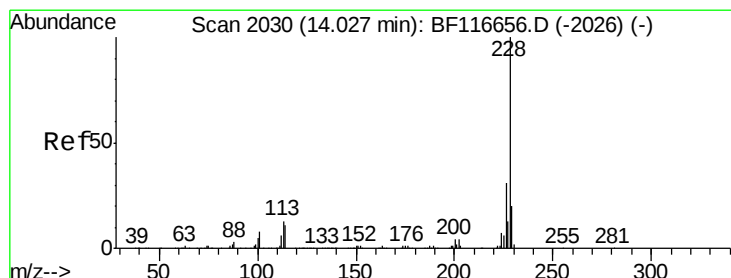
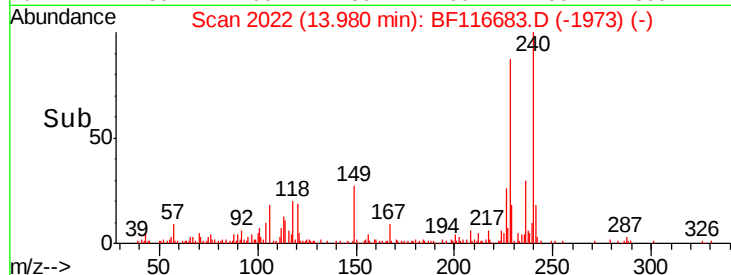
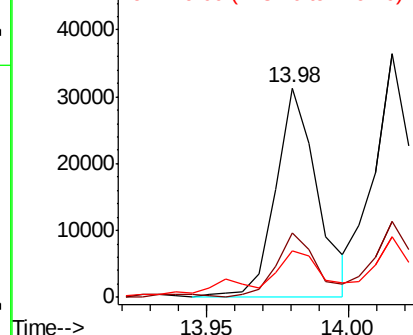


Abundance

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: 2.105 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.05 min

Lab File: BF116683.D

Acq: 31 Aug 2019 6:28

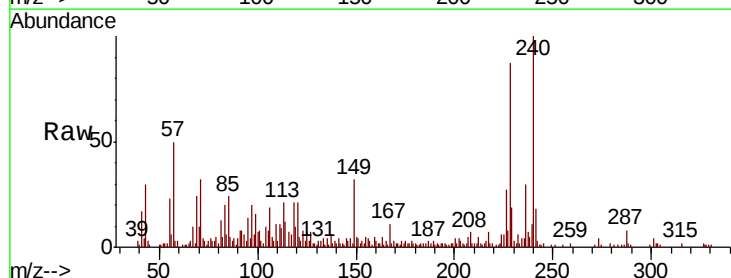
Tgt Ion:228 Resp: 32156

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

229 22.0 15.4 23.0

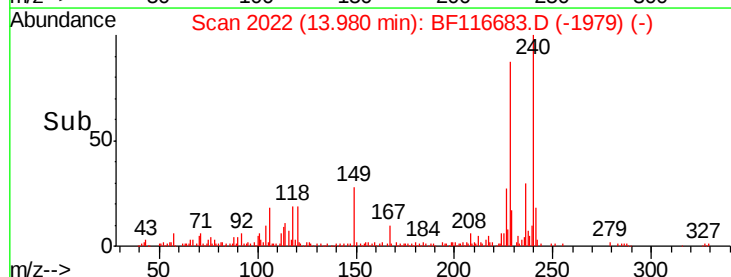
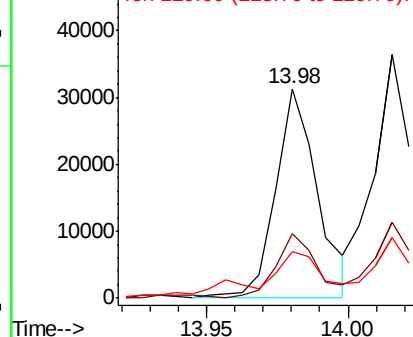


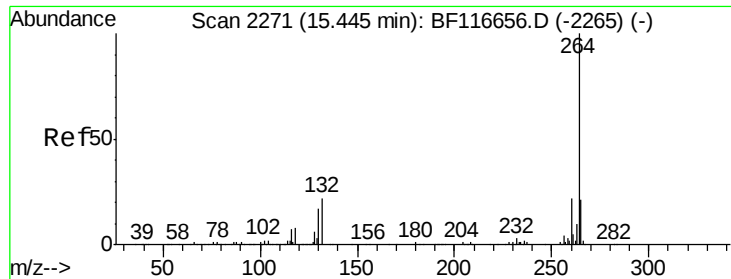
Abundance

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

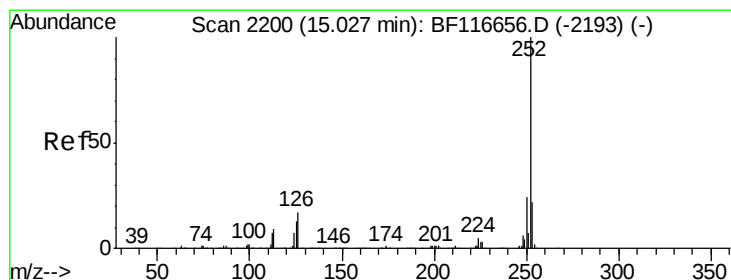
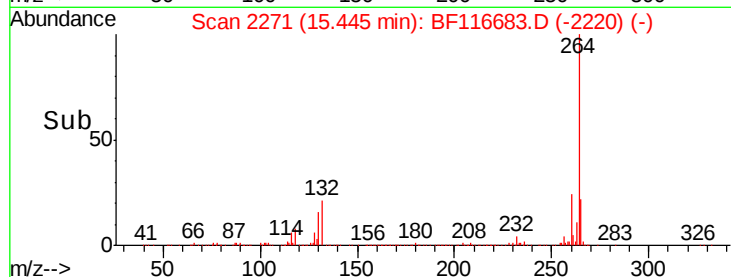
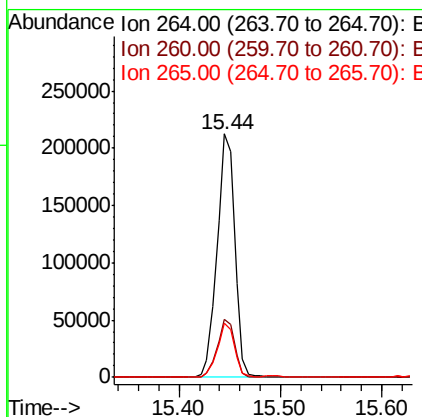
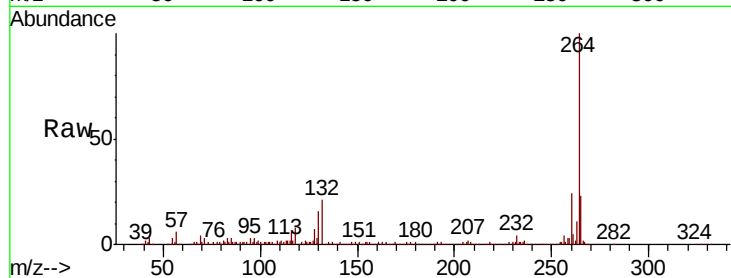




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

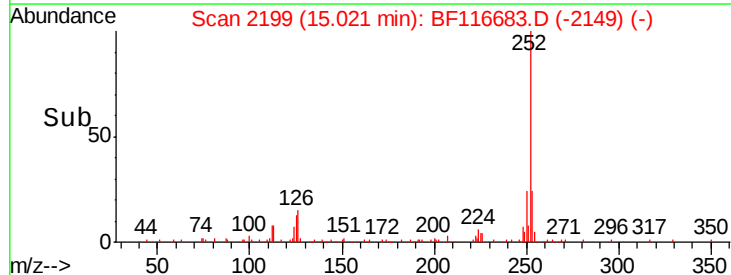
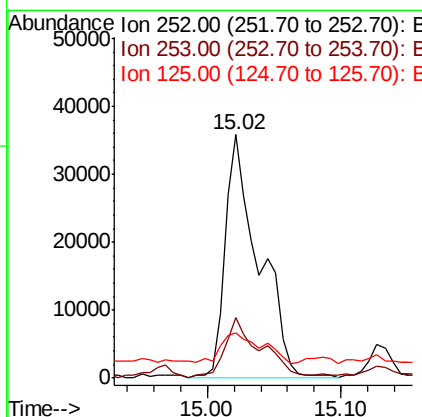
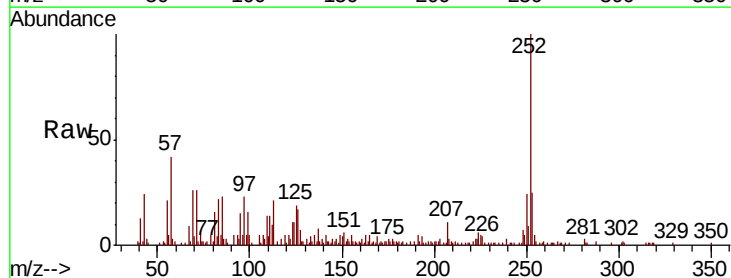
Instrument :
BNA_F
ClientSampled :

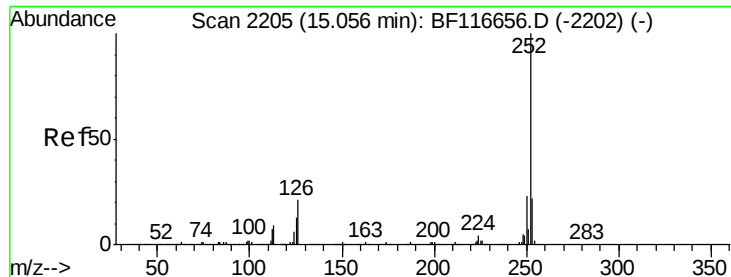
Tot Ion:264 Resp: 259302
Ion Ratio Lower Upper
264 100
260 23.8 18.3 27.5
265 22.5 16.5 24.7



#88
Benzo(b)fluoranthene
Concen: 4.047 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion:252 Resp: 63451
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 18.7 8.2 12.2#

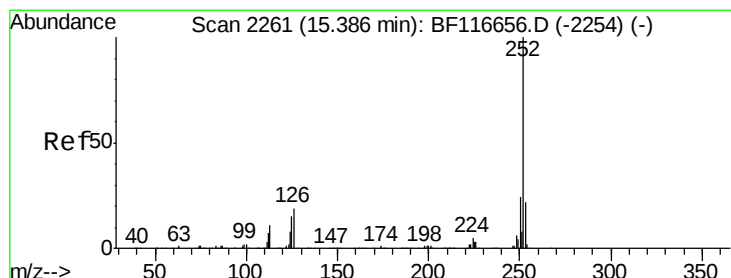
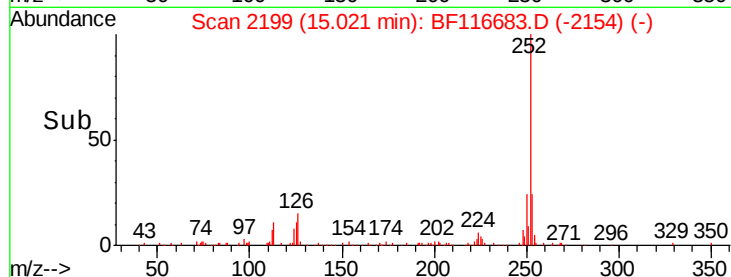
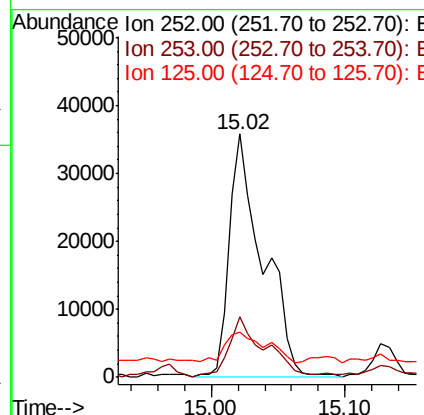
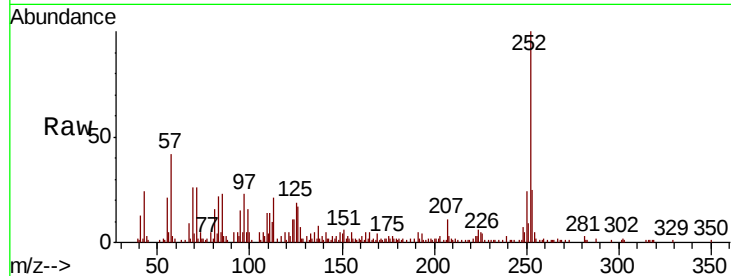




#89
Benzo(k)fluoranthene
Concen: 4.439 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 63451
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 18.7 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 2.171 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116683.D
Acq: 31 Aug 2019 6:28

Tgt Ion:252 Resp: 29604
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 19.0 9.8 14.8#

