

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116160.D
 Acq On : 10 Aug 2019 20:21
 Operator : HP/JU
 Sample : K4245-05 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:58:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	155148	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	611721	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	282028	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	399137	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	299119	20.00	ng	0.00
87) Perylene-d12	15.47	264	280416	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	78212	8.44	ng	0.00
7) Phenol-d6	6.48	99	115922	9.91	ng	0.00
23) Nitrobenzene-d5	7.41	82	64986	6.13	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	13318	4.87	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	136584	9.07	ng	-0.01
79) Terphenyl-d14	12.94	244	98359	6.93	ng	-0.01

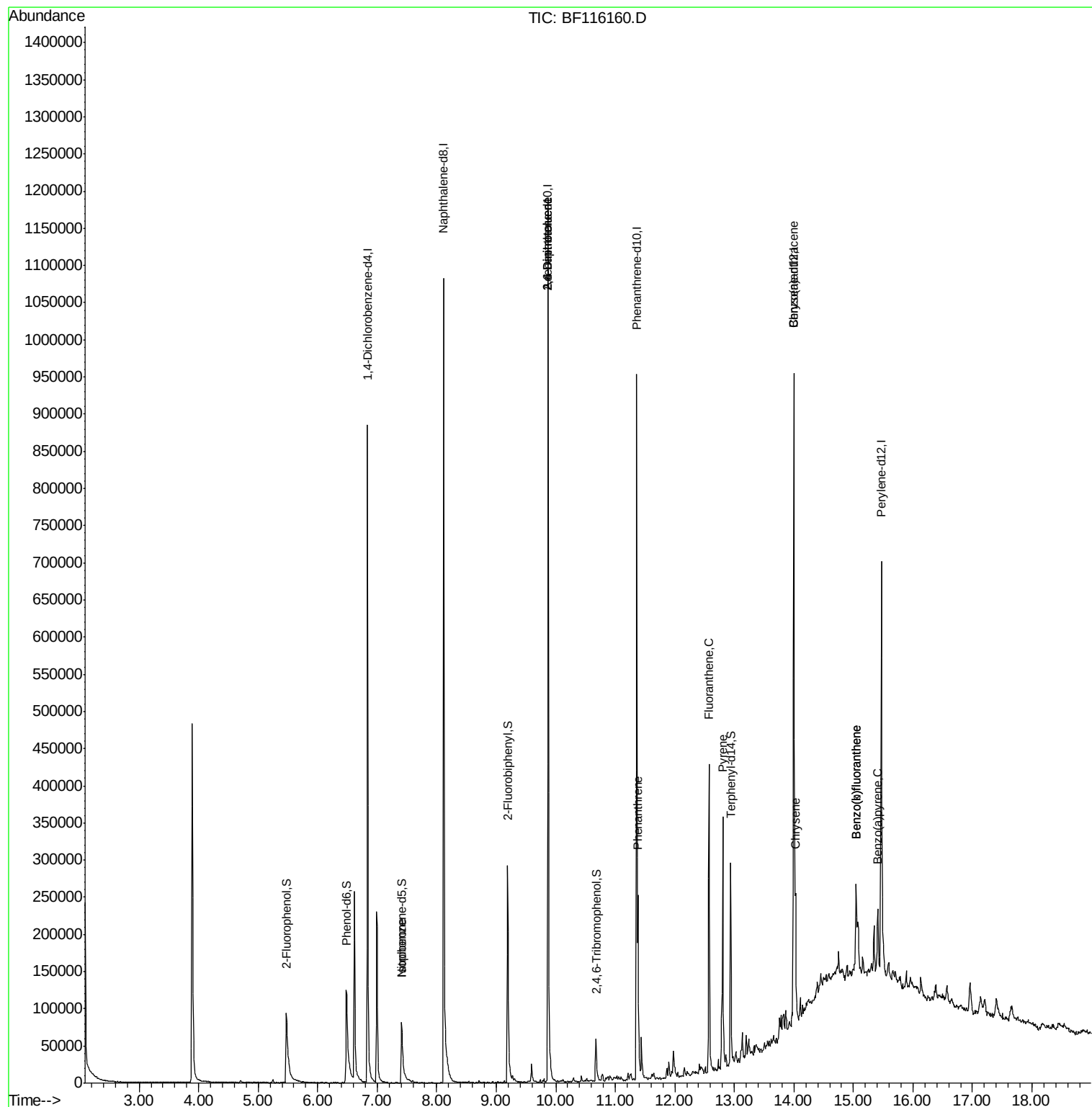
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.41	82	64986	3.207	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	35895	8.601	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	35896	6.461	ng	# 20
71) Phenanthrene	11.38	178	88539	4.339	ng	97
75) Fluoranthene	12.57	202	171917	8.048	ng	99
78) Pyrene	12.80	202	149111	6.613	ng	99
81) Benzo(a)anthracene	13.99	228	71025	3.715	ng	98
83) Chrysene	14.03	228	64299	3.464	ng	96
88) Benzo(b)fluoranthene	15.04	252	89431	5.516	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	89431	5.663	ng	# 93
90) Benzo(a)pyrene	15.41	252	43741	3.018	ng	# 94

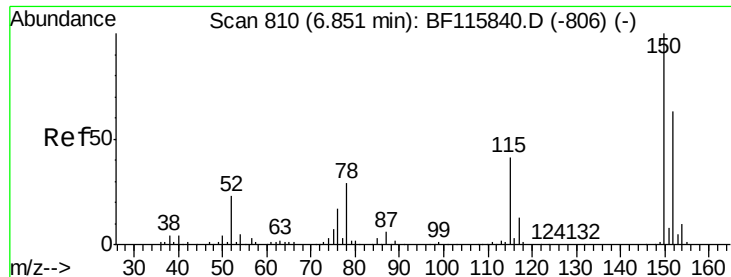
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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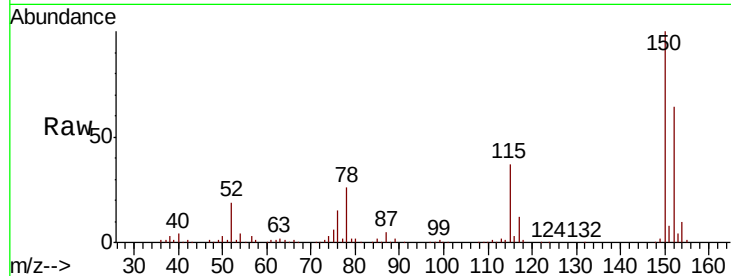


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	58.6	49.9	74.9

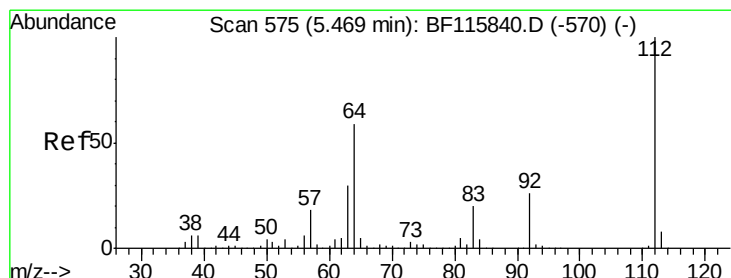
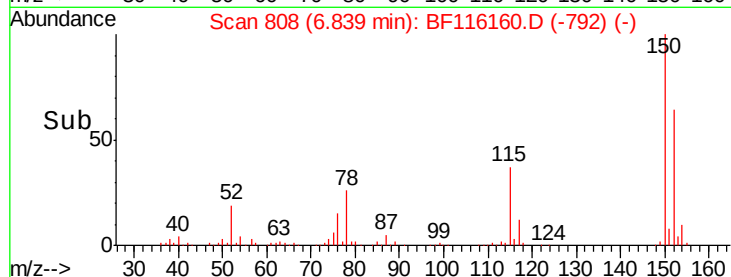
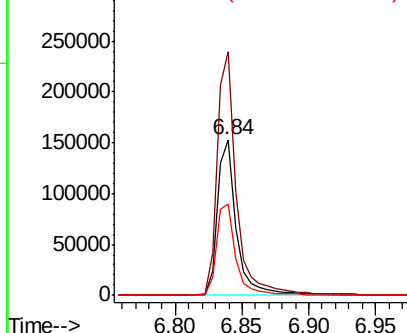


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

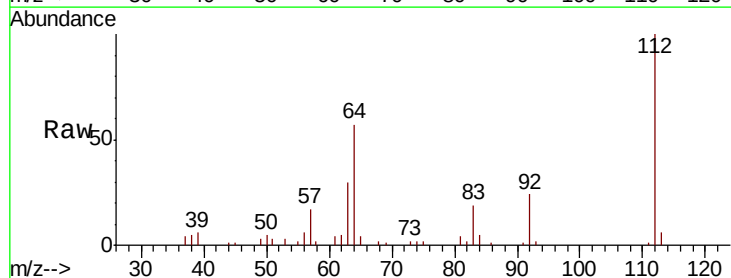
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 8.439 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.2
63	30.4	23.7	35.5

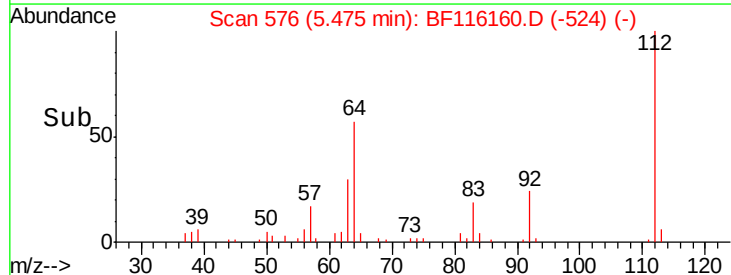
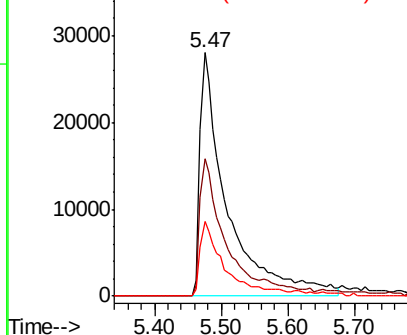


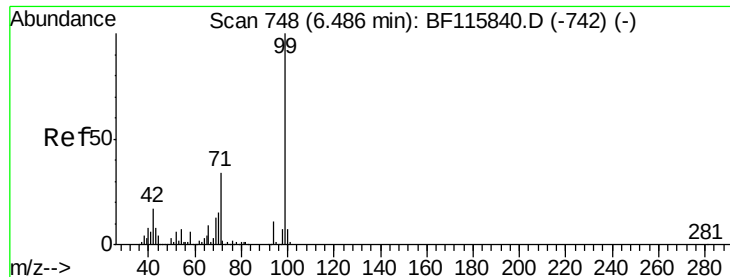
Abundance

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: 9.914 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

Instrument :

BNA_F

ClientSampleId :

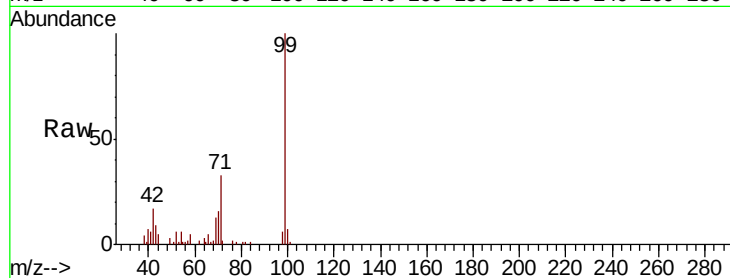
Tot Ion: 99 Resp: 115922

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

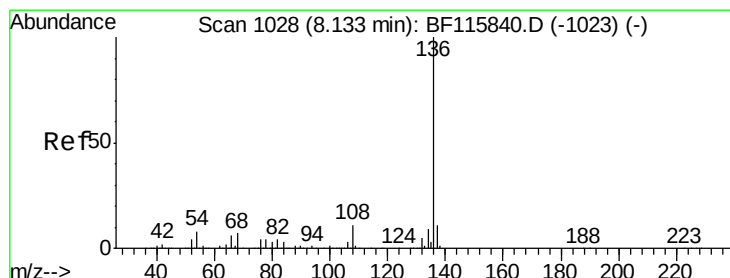
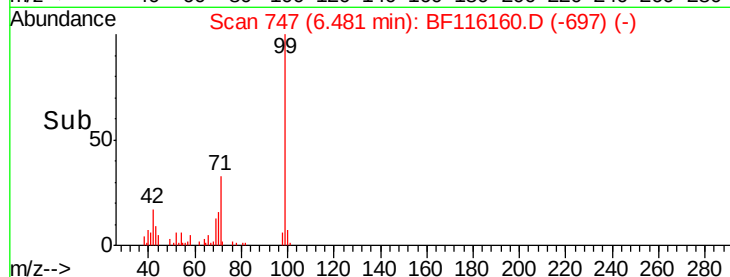
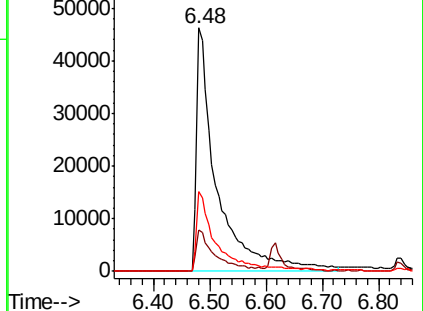
71 32.6 27.3 40.9



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

Tgt Ion: 136 Resp: 611721

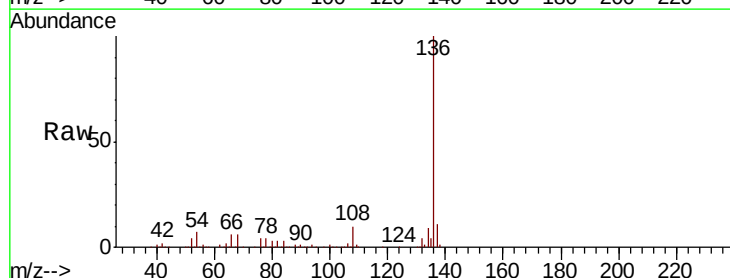
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 7.3 5.8 8.6

68 6.4 5.2 7.8

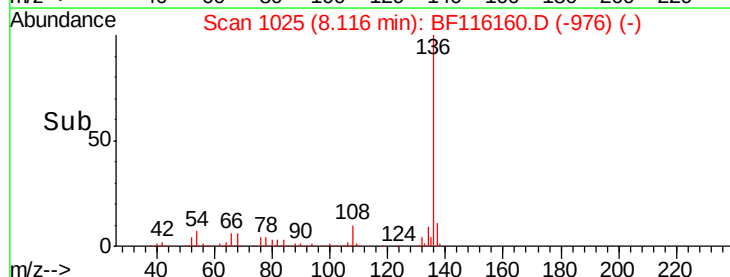
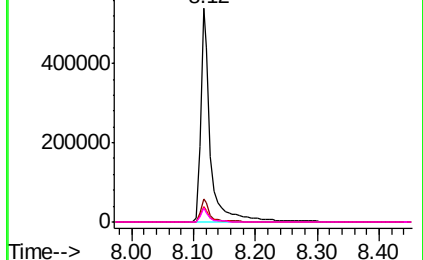


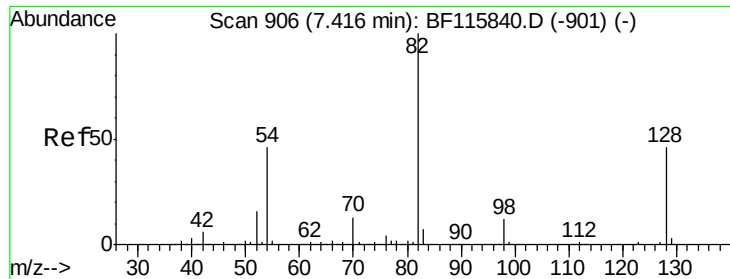
Abundance Ion 136.00 (135.70 to 136.70): E

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

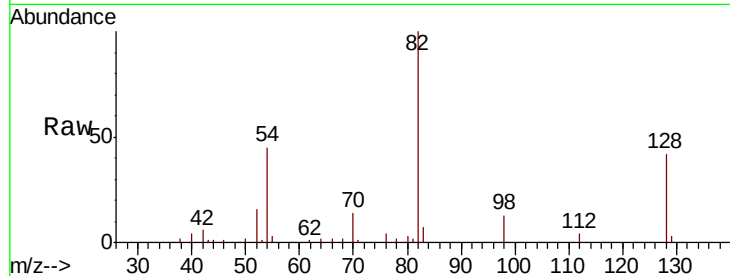




#23
 Nitrobenzene-d5
 Concen: 6.132 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	64986
Ion Ratio	100	Lower	Upper
128	42.0	36.5	54.7
54	44.9	36.0	54.0

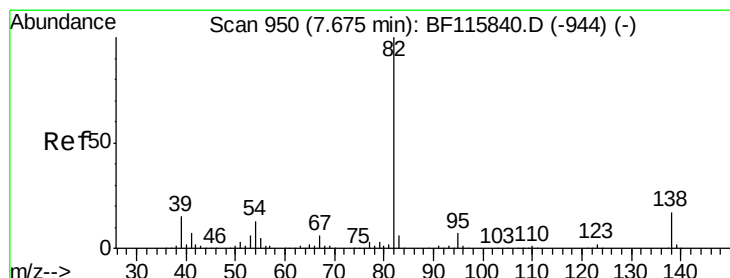
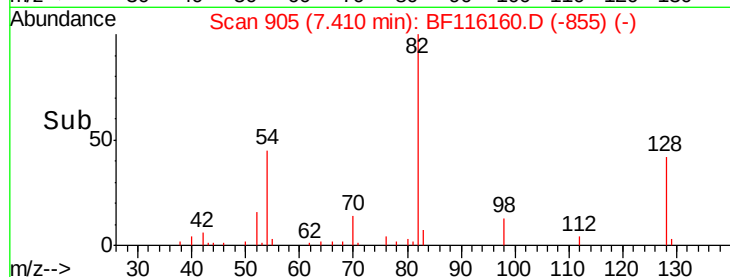
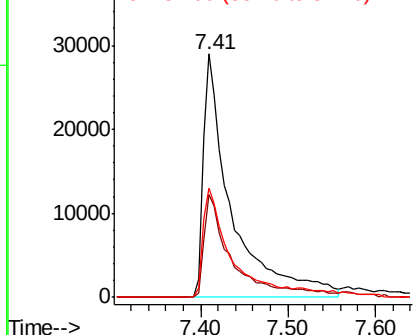


Abundance

Ion 82.00 (81.70 to 82.70): BF1

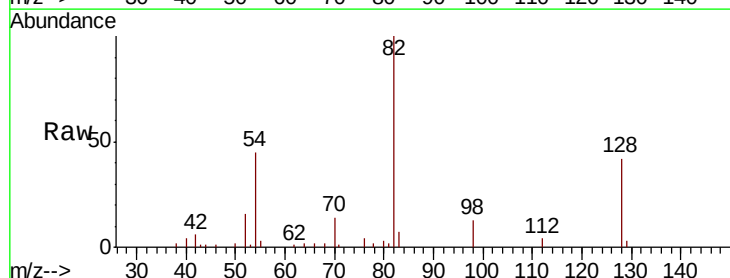
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
 Isophorone
 Concen: 3.207 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Tgt Ion	82	Resp	64986
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.5	21.7#

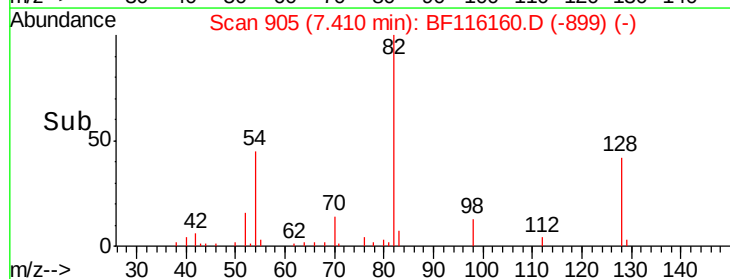
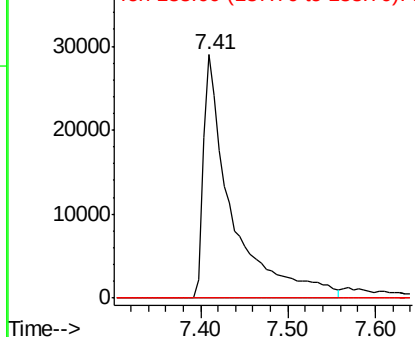


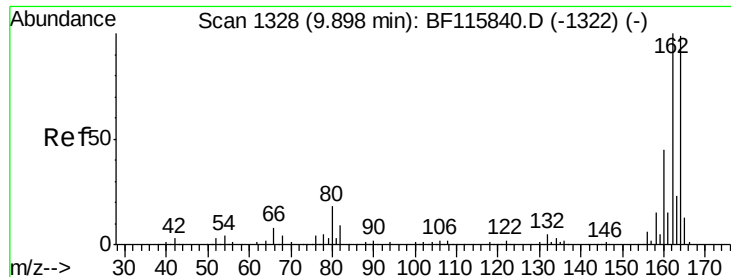
Abundance

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

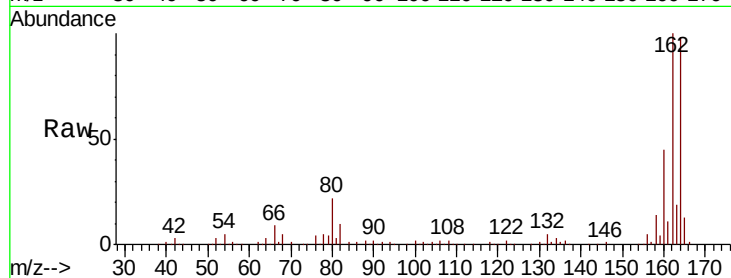




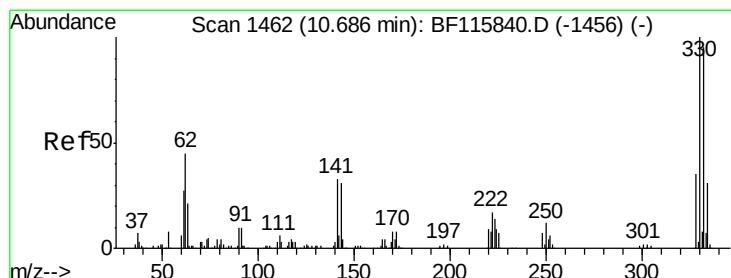
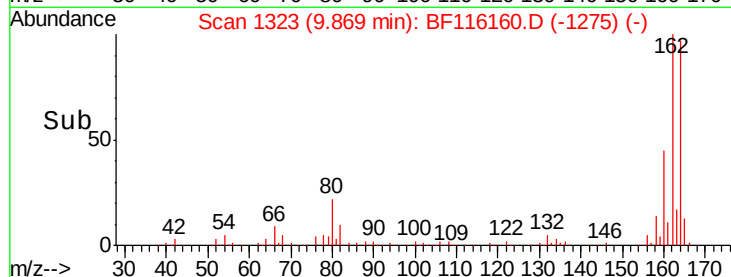
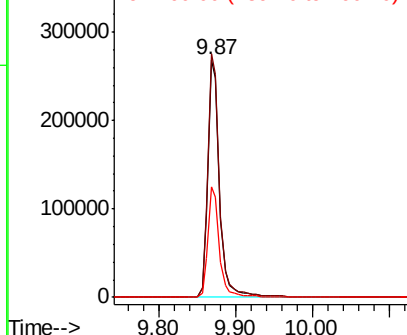
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116160.D
Acq: 10 Aug 2019 20:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 282028
Ion Ratio Lower Upper
164 100
162 102.4 82.6 124.0
160 46.3 37.6 56.4

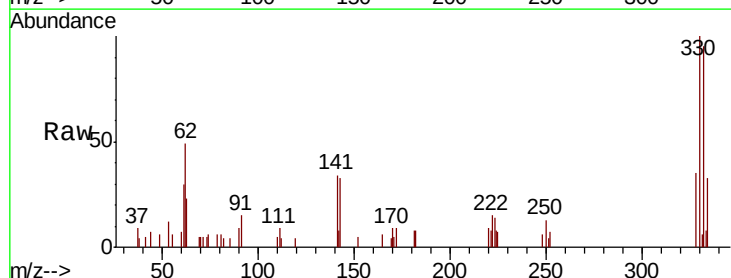


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

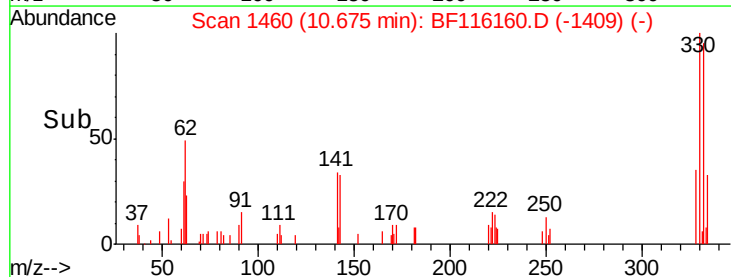
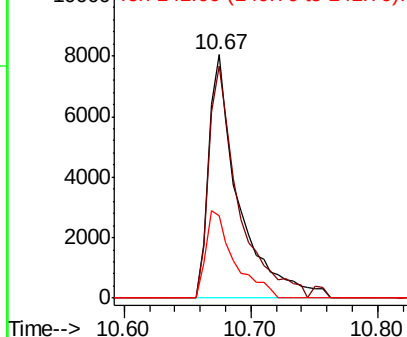


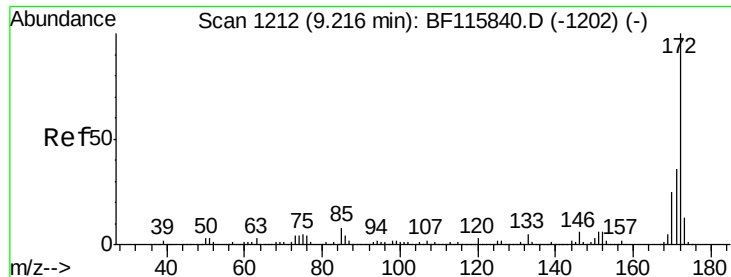
#42
2,4,6-Tribromophenol
Concen: 4.871 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF116160.D
Acq: 10 Aug 2019 20:21

Tgt Ion:330 Resp: 13318
Ion Ratio Lower Upper
330 100
332 94.3 76.8 115.2
141 33.9 26.3 39.5



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

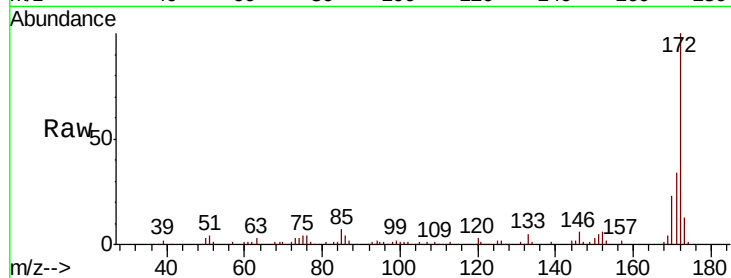




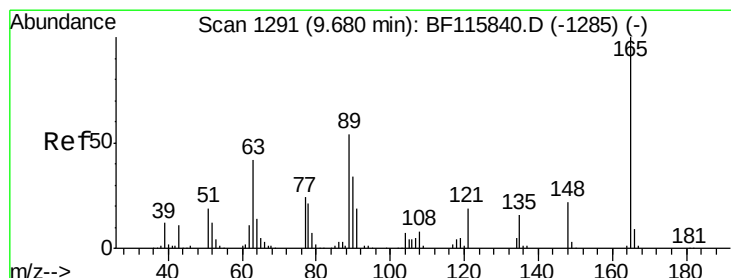
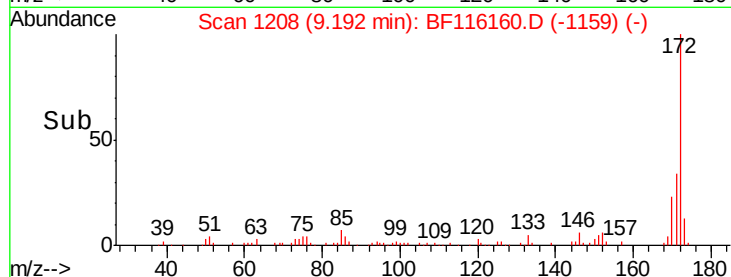
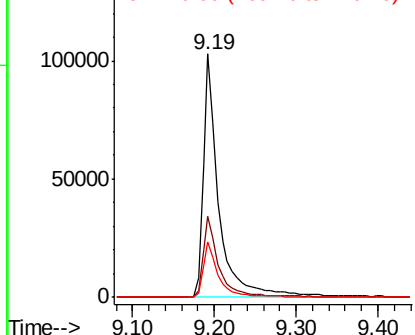
#45
 2-Fluorobiphenyl
 Concen: 9.071 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.0	20.1	30.1

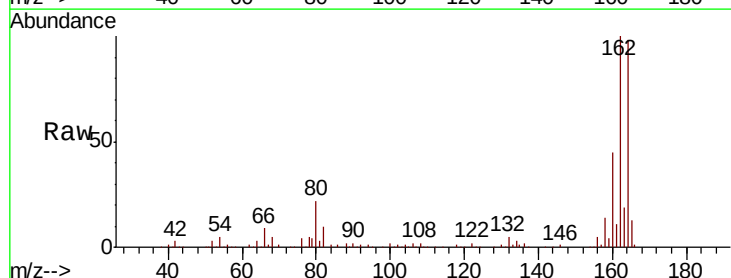


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

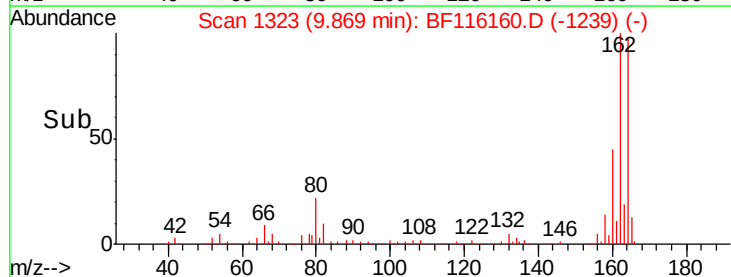
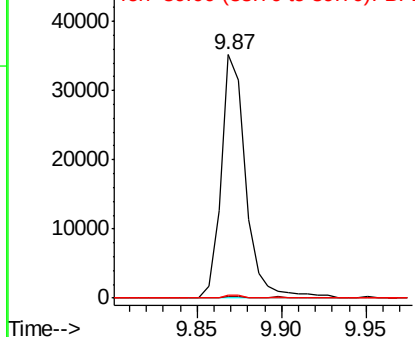


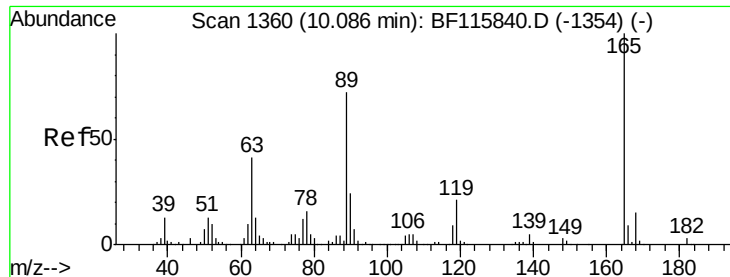
#51
 2,6-Dinitrotoluene
 Concen: 8.601 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	38.2	57.2#
89	1.4	42.9	64.3#



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

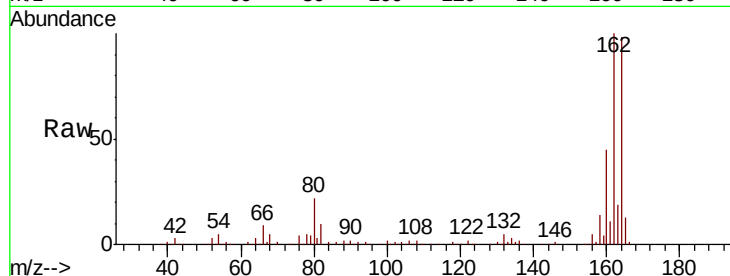




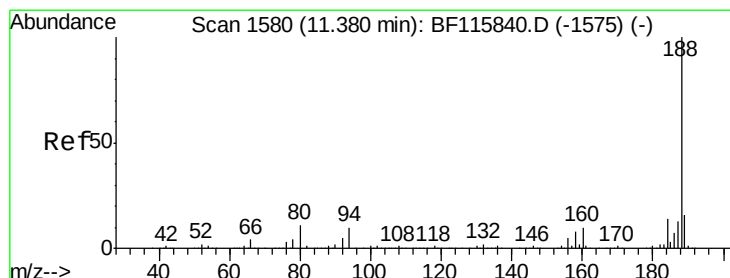
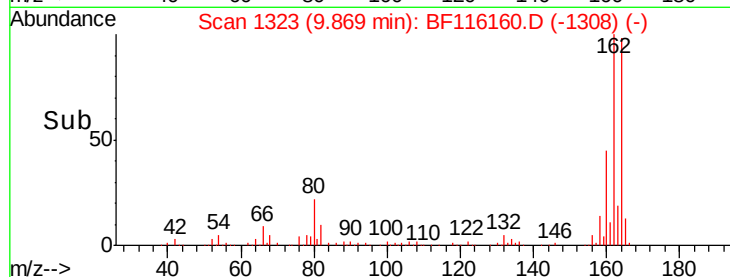
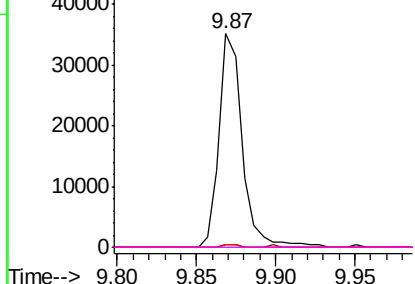
#57
 2,4-Dinitrotoluene
 Concen: 6.461 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	35896
Ion Ratio	Lower	Upper
165	100	
63	0.9	39.6 59.4#
89	1.4	62.2 93.2#
182	0.0	2.1 3.1#

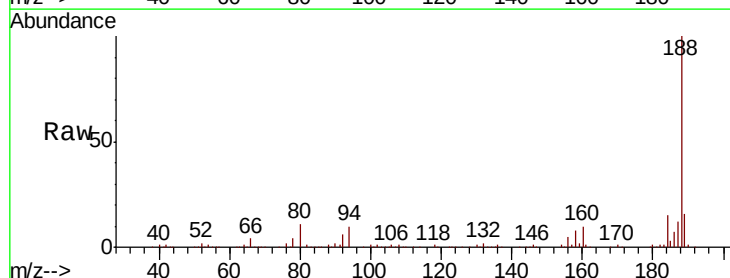


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

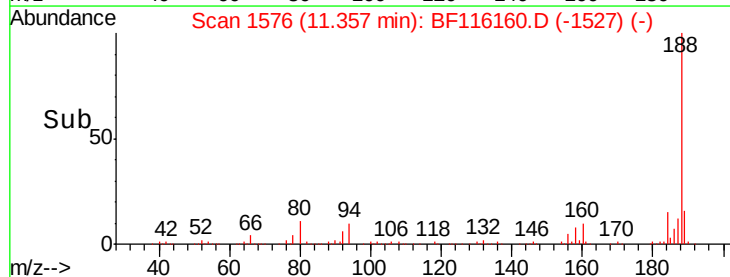
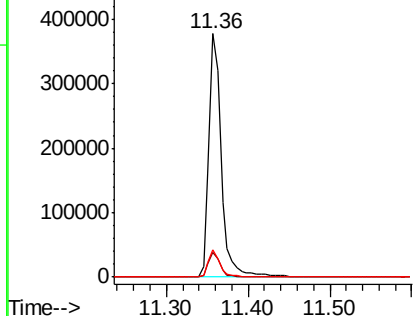


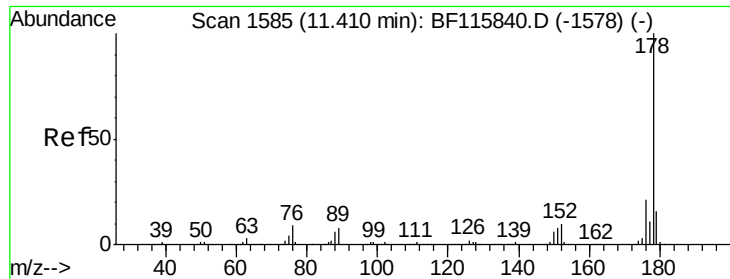
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Tgt Ion:188	Resp:	399137
Ion Ratio	Lower	Upper
188	100	
94	10.0	8.1 12.1
80	11.0	8.7 13.1



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: 4.339 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

Instrument :

BNA_F

ClientSampled :

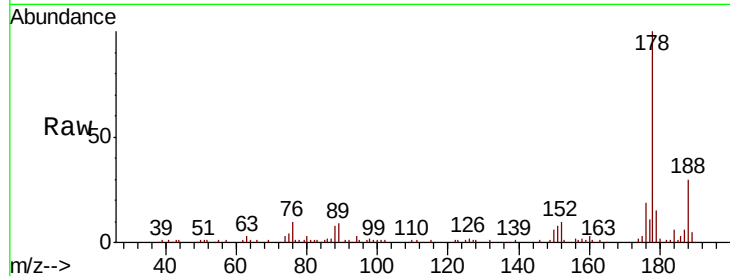
Tot Ion:178 Resp: 88539

Ion Ratio Lower Upper

178 100

176 18.7 16.6 24.8

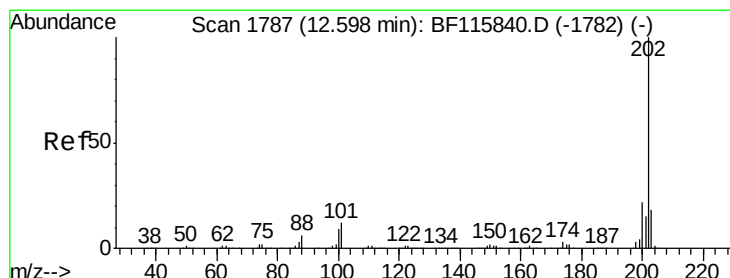
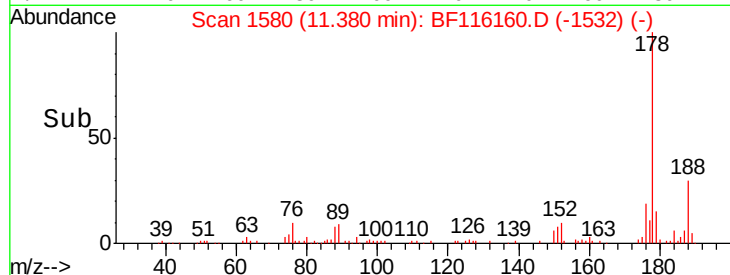
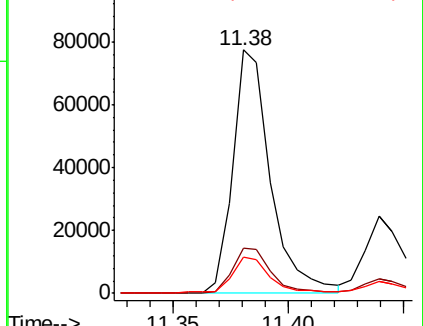
179 15.1 12.5 18.7



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: 8.048 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

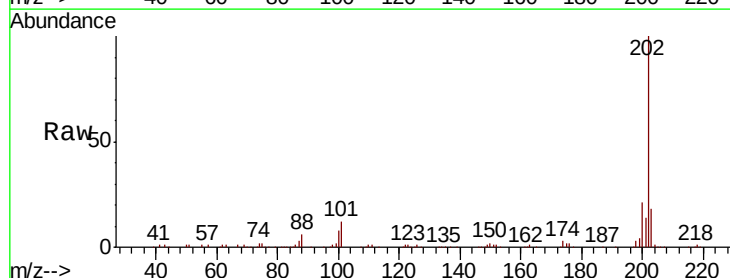
Tgt Ion:202 Resp: 171917

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.2

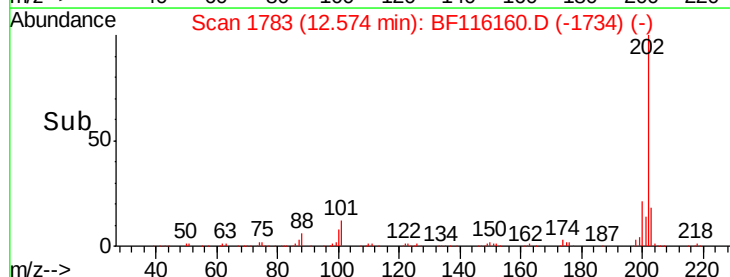
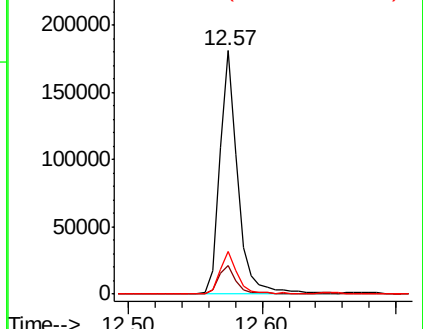
203 17.6 0.0 37.8

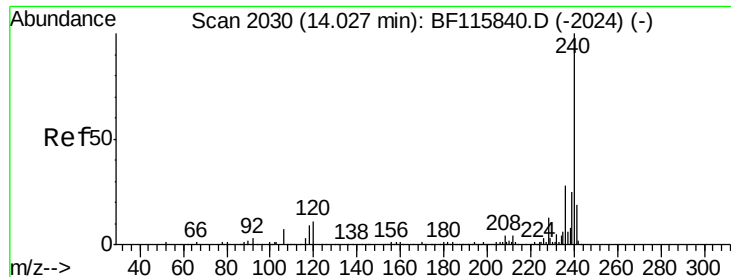


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

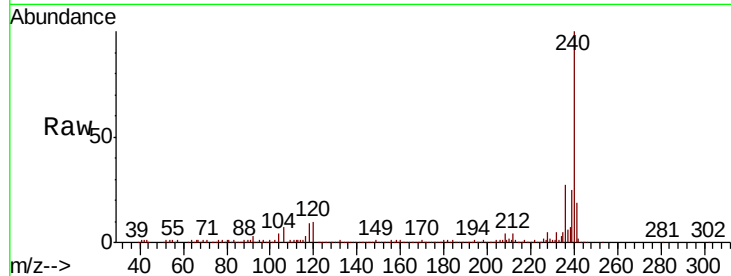




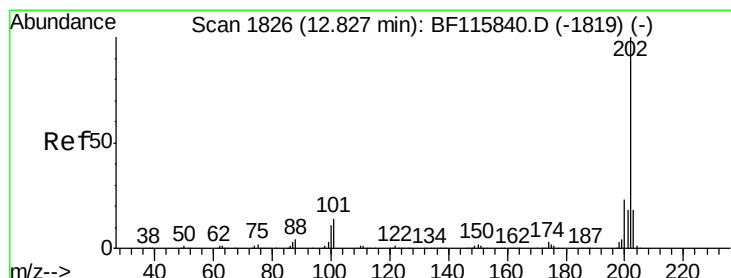
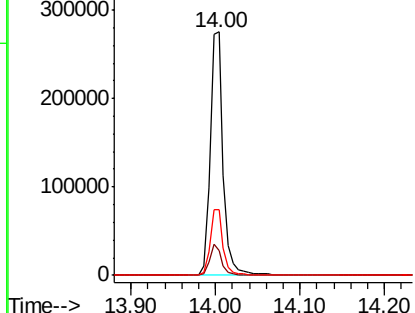
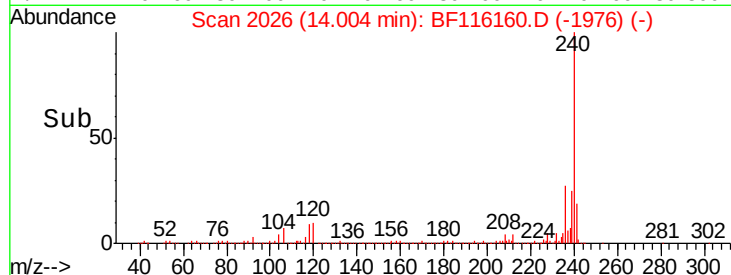
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116160.D
Acq: 10 Aug 2019 20:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.7	16.1#
236	27.2	22.2	33.2

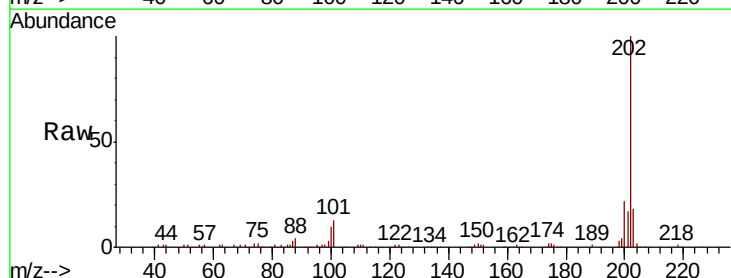


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

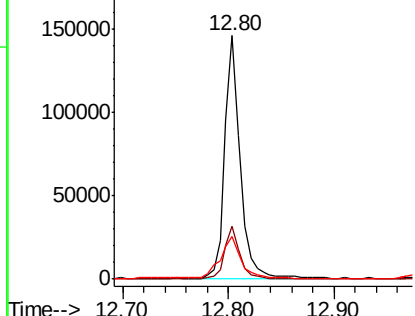
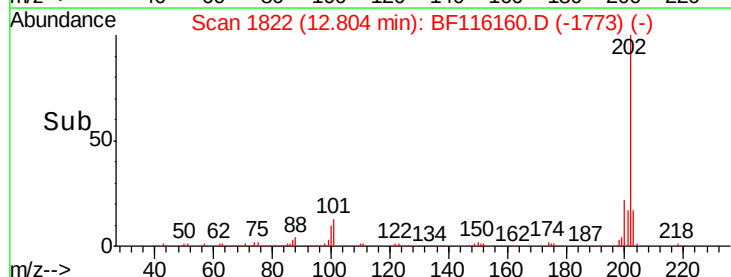


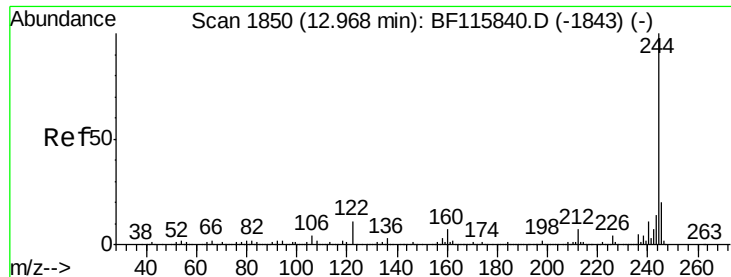
#78
Pyrene
Concen: 6.613 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116160.D
Acq: 10 Aug 2019 20:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.0	27.0
203	17.7	14.1	21.1



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

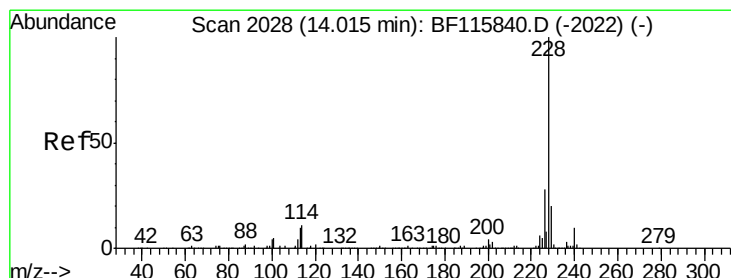
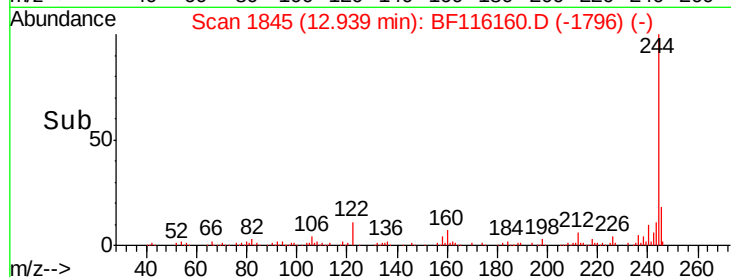
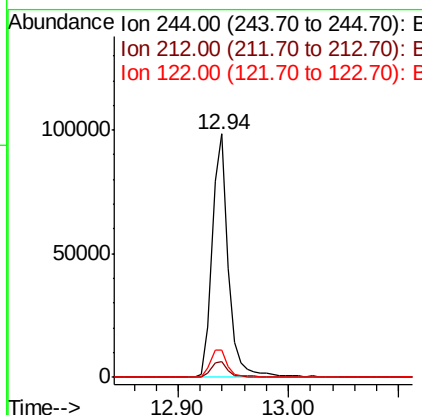
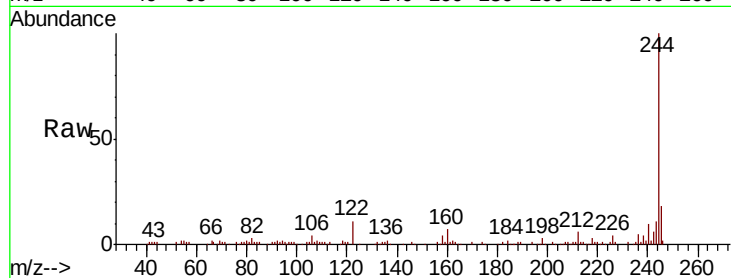




#79
 Terphenyl-d14
 Concen: 6.929 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

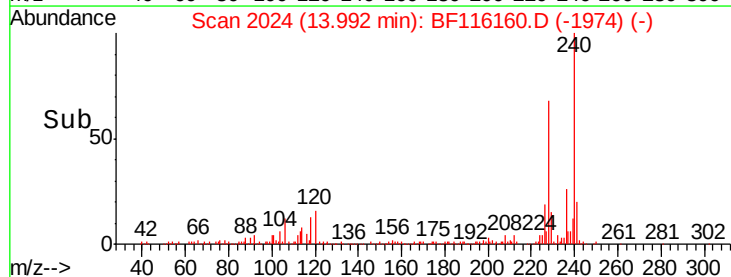
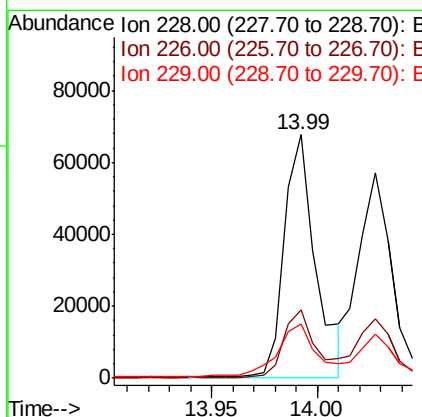
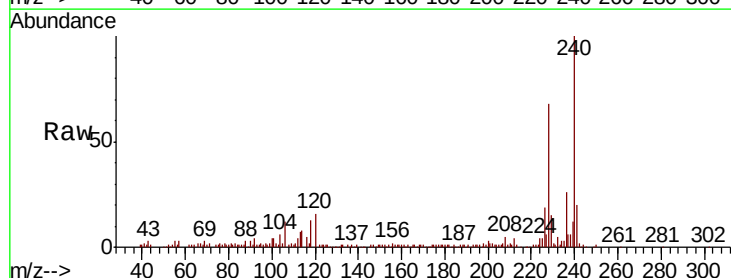
Instrument :
 BNA_F
 ClientSampleID :

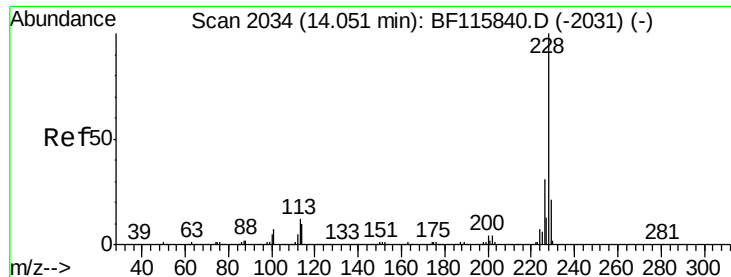
Tot Ion:244 Resp: 98359
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 11.1 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 3.715 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116160.D
 Acq: 10 Aug 2019 20:21

Tgt Ion:228 Resp: 71025
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.7 34.1
 229 22.0 16.2 24.4





#83

Chrysene

Concen: 3.464 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

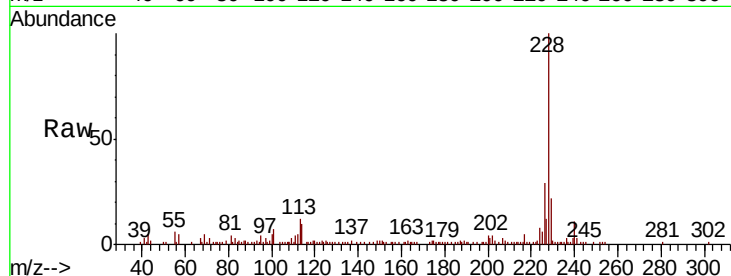
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 64299

Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.5	38.3
229	21.6	16.6	24.8

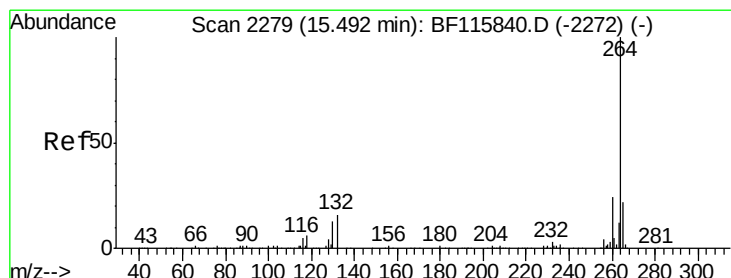
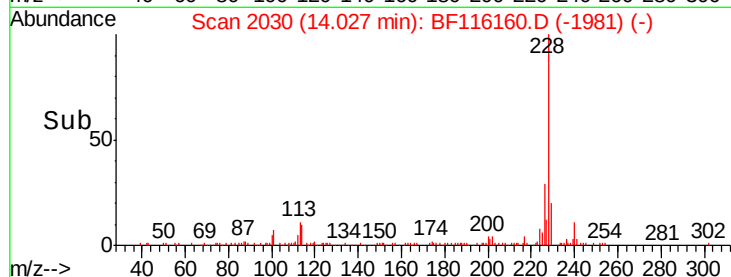
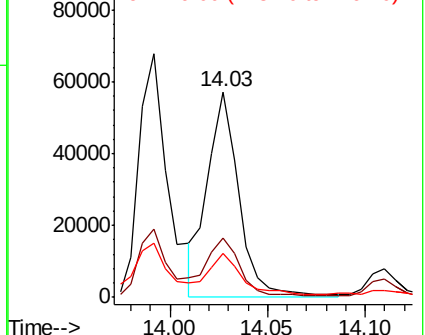


Abundance

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: 15.47 min Scan# 2275

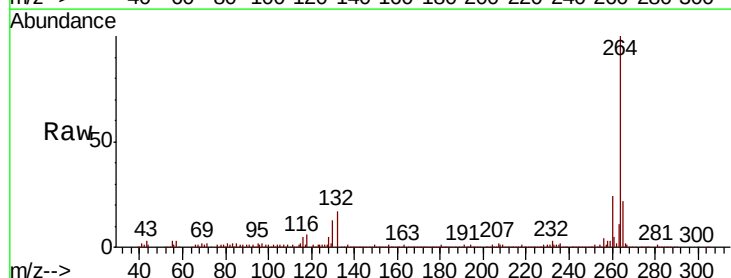
Delta R.T. -0.01 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

Tgt Ion:264 Resp: 280416

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.7	29.5
265	21.6	17.4	26.0

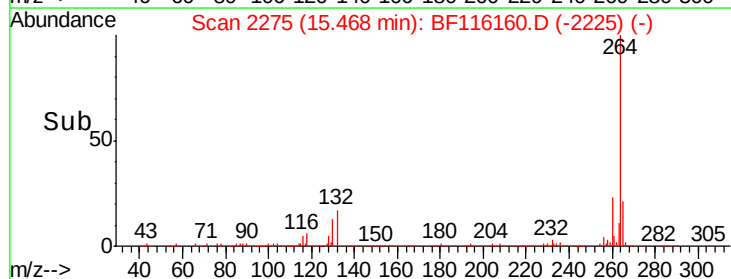
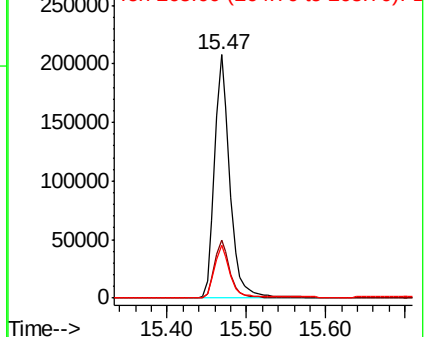


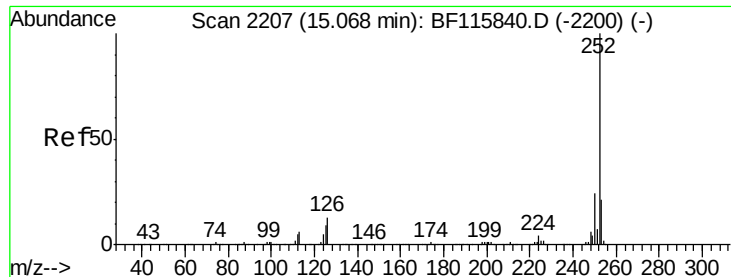
Abundance

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

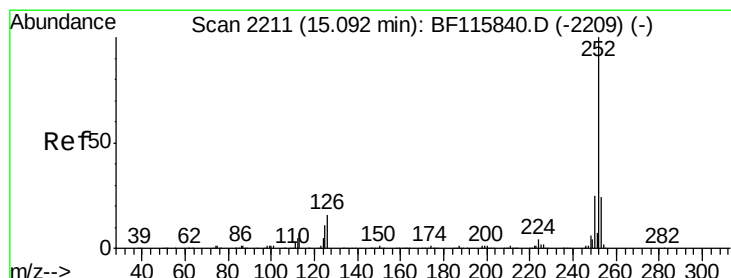
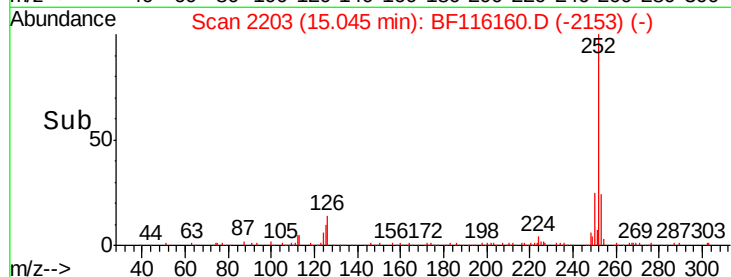
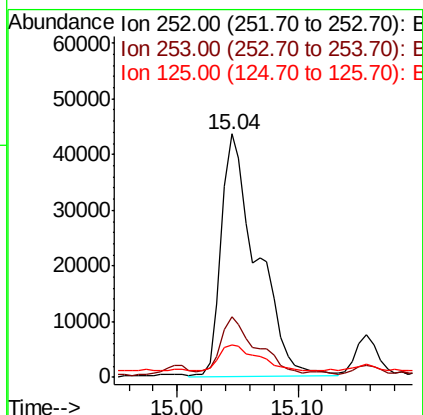
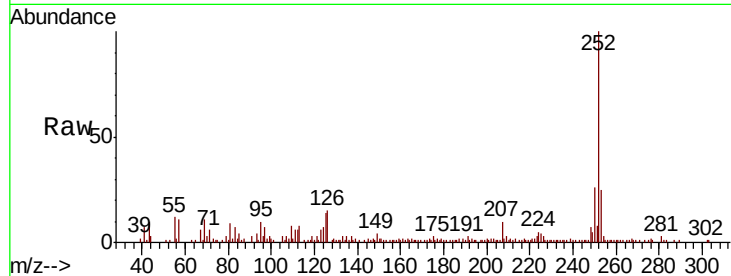




#88
Benzo(b)fluoranthene
Concen: 5.516 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116160.D
Acq: 10 Aug 2019 20:21

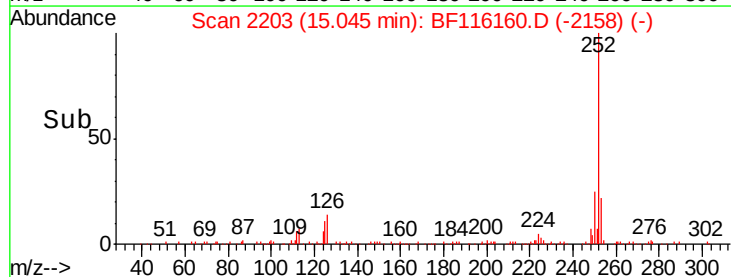
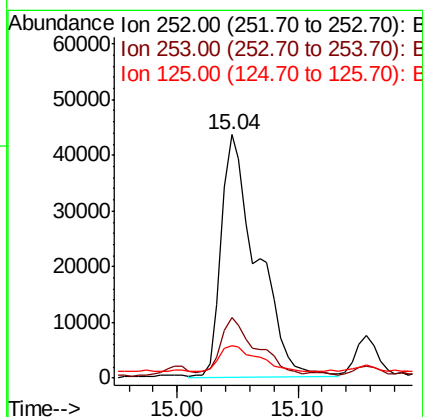
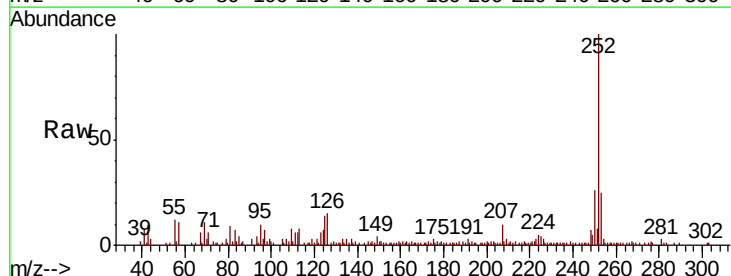
Instrument :
BNA_F
ClientSampled :

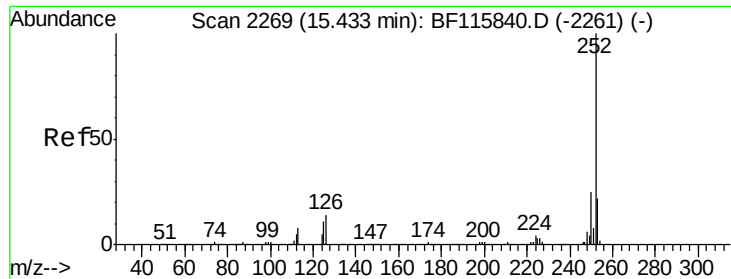
Tot Ion:252 Resp: 89431
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 13.5 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 5.663 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116160.D
Acq: 10 Aug 2019 20:21

Tgt Ion:252 Resp: 89431
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 13.5 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 3.018 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF116160.D

Acq: 10 Aug 2019 20:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 43741

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 14.8 8.9 13.3#

