

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115713.D
 Acq On : 22 Jul 2019 17:00
 Operator : HP/JU
 Sample : K3928-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 01:17:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

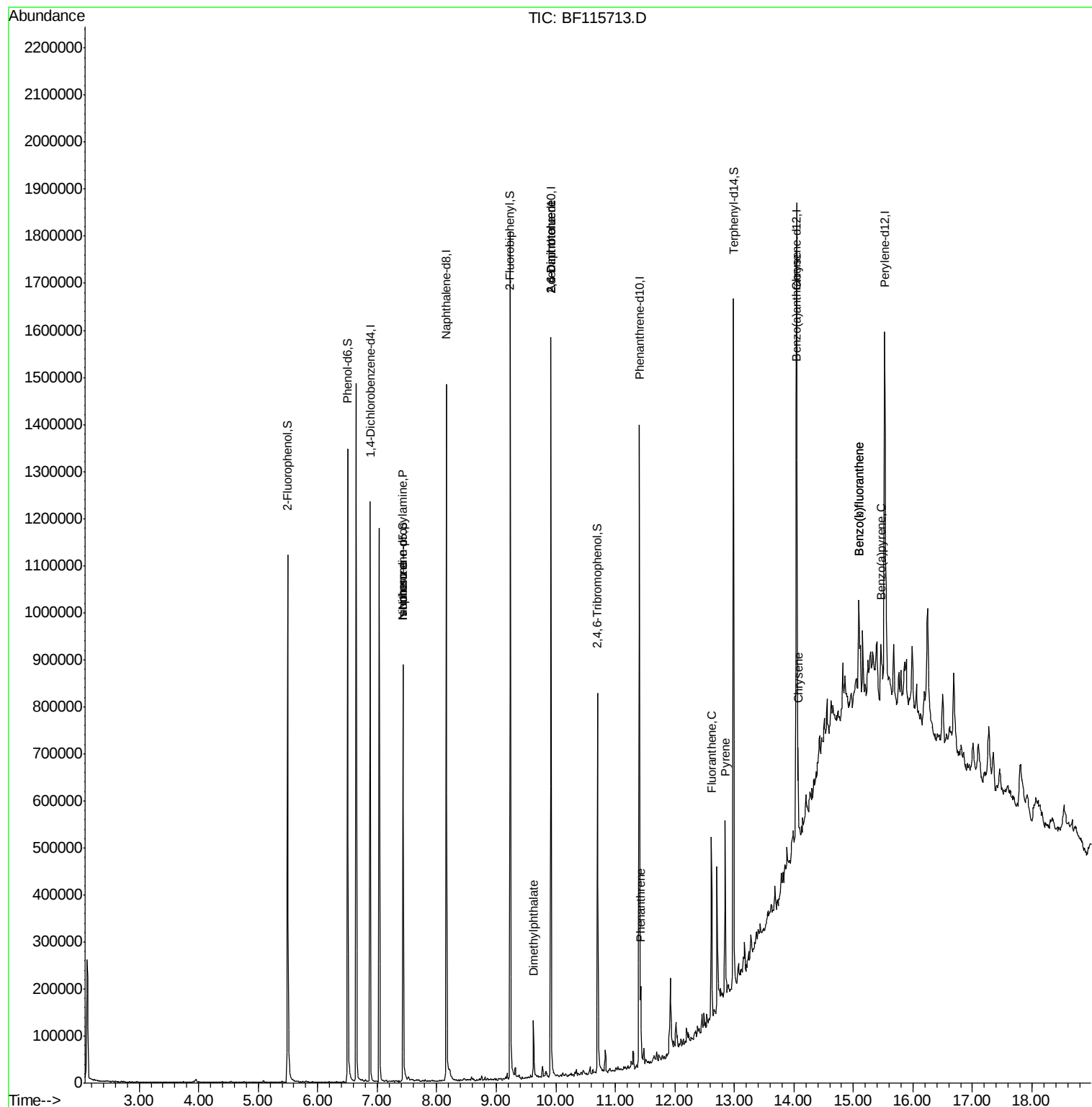
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	169304	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	652989	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	312937	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	474843	20.00	ng	0.00
76) Chrysene-d12	14.04	240	404860	20.00	ng	0.00
87) Perylene-d12	15.53	264	366714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	357729	34.56	ng	-0.01
7) Phenol-d6	6.50	99	468230	35.65	ng	-0.01
23) Nitrobenzene-d5	7.43	82	279783	24.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	102220	27.98	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	537287	30.05	ng	-0.02
79) Terphenyl-d14	12.99	244	474734	21.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	36826	4.299	ng	# 80
25) Isophorone	7.43	82	274673	12.223	ng	# 64
50) Dimethylphthalate	9.63	163	48059	2.041	ng	98
51) 2,6-Dinitrotoluene	9.92	165	41135	7.688	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	41244	5.950	ng	# 24
71) Phenanthrene	11.43	178	52928	2.175	ng	96
75) Fluoranthene	12.62	202	147882	5.749	ng	98
78) Pyrene	12.84	202	143680	4.189	ng	97
81) Benzo(a)anthracene	14.03	228	84632	3.173	ng	97
83) Chrysene	14.07	228	76706	2.865	ng	96
88) Benzo(b)fluoranthene	15.09	252	123587	5.234	ng	# 88
89) Benzo(k)fluoranthene	15.09	252	123587	5.870	ng	# 89
90) Benzo(a)pyrene	15.46	252	58466	2.881	ng	# 85

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

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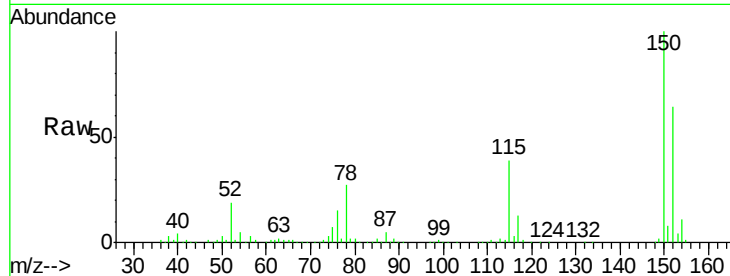


#1

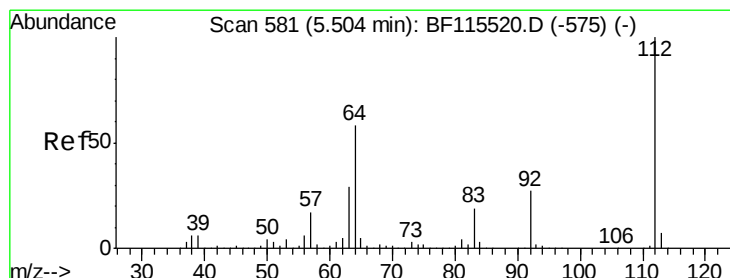
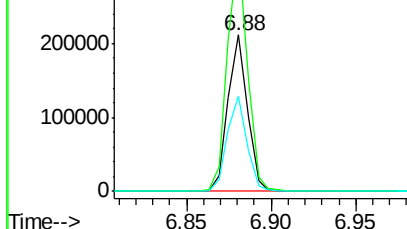
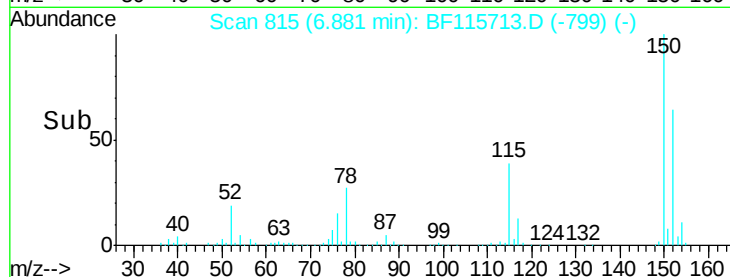
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115713.D
Acq: 22 Jul 2019 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169304
Ion Ratio Lower Upper
152 100
150 155.8 129.7 194.5
115 60.7 48.2 72.4



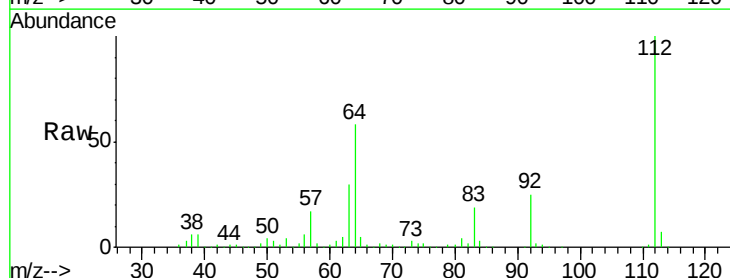
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



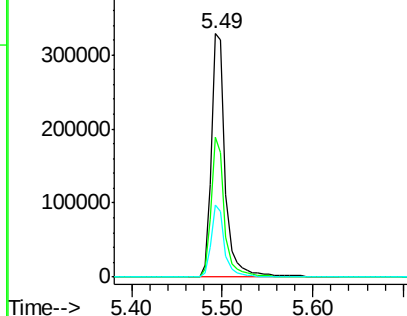
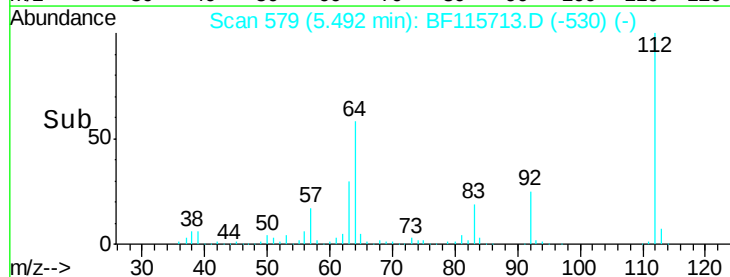
#5

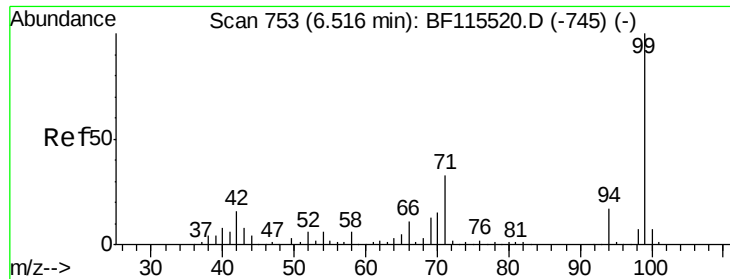
2-Fluorophenol
Concen: 34.562 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115713.D
Acq: 22 Jul 2019 17:00

Tgt Ion:112 Resp: 357729
Ion Ratio Lower Upper
112 100
64 57.6 46.8 70.2
63 29.7 24.1 36.1



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: 35.651 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :

BNA_F

ClientSampleId :

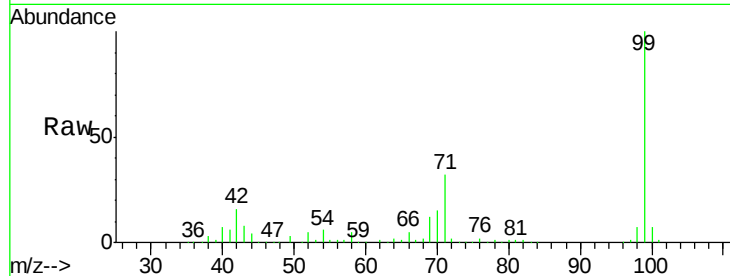
Tot Ion: 99 Resp: 468230

Ion Ratio Lower Upper

99 100

42 15.9 13.6 20.4

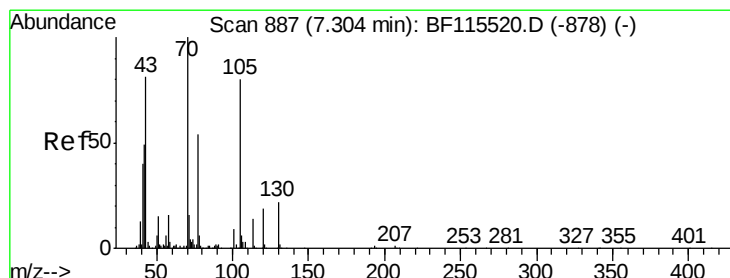
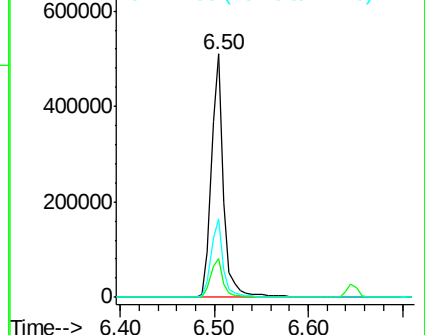
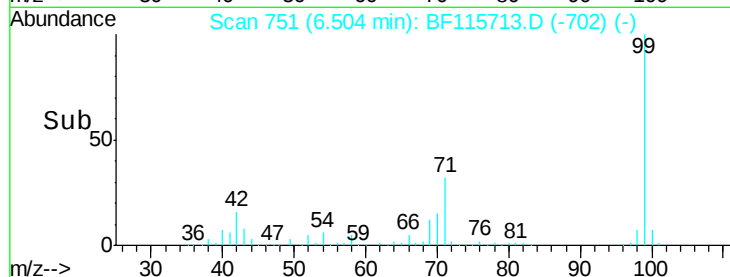
71 32.1 28.5 42.7



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: 4.299 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Tgt Ion: 70 Resp: 36826

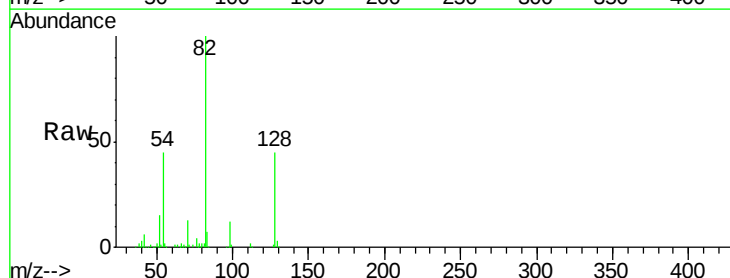
Ion Ratio Lower Upper

70 100

42 44.2 39.6 59.4

101 0.0 8.1 12.1#

130 1.9 18.2 27.2#

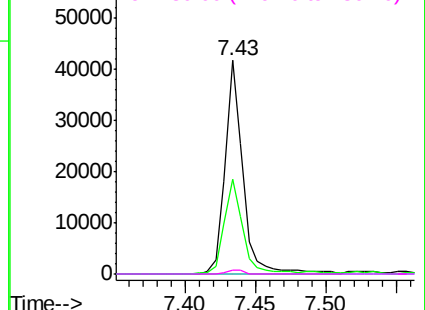
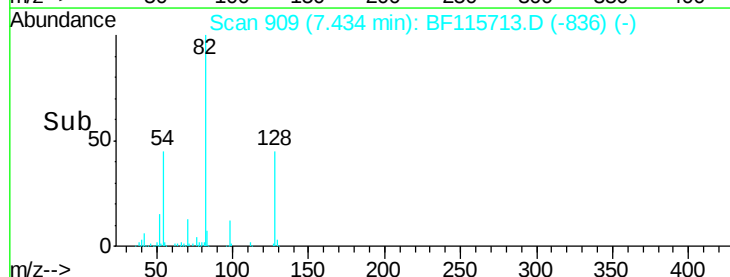


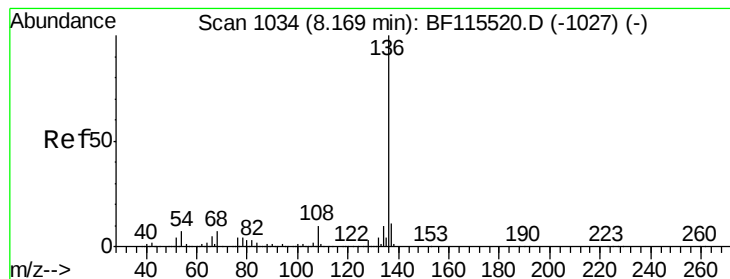
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 652989

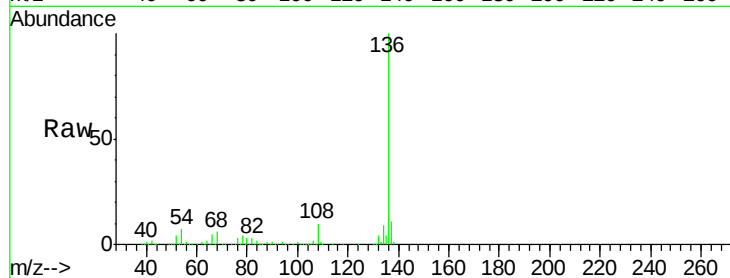
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.6 5.6 8.4

68 5.9 5.0 7.6

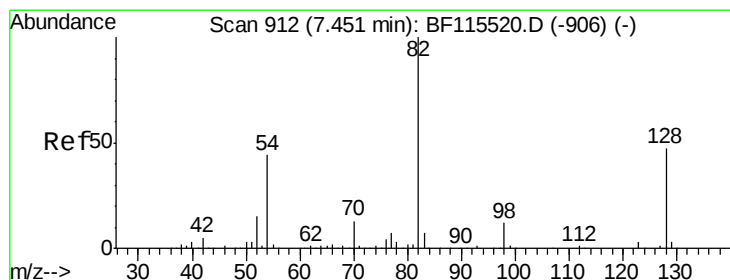
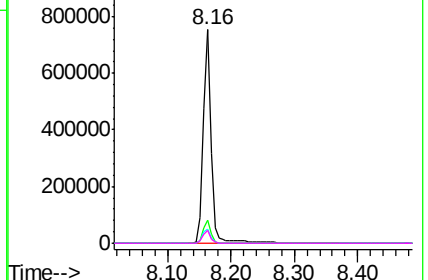
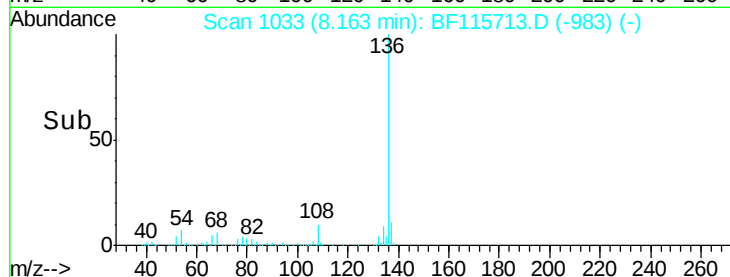


Abundance Ion 136.00 (135.70 to 136.70): E

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: 24.914 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

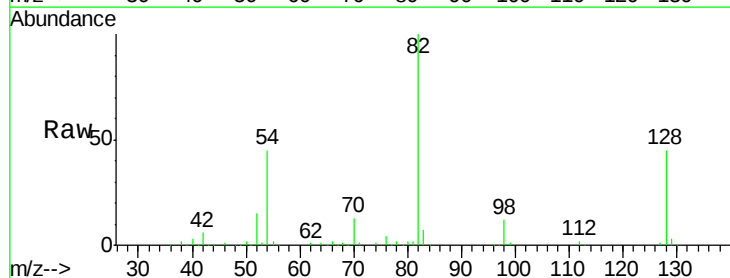
Tgt Ion: 82 Resp: 279783

Ion Ratio Lower Upper

82 100

128 45.0 38.6 57.8

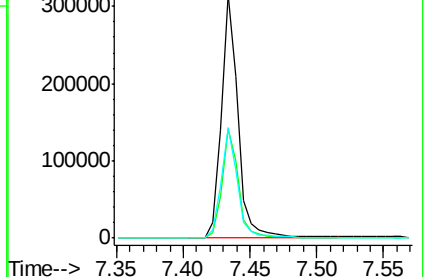
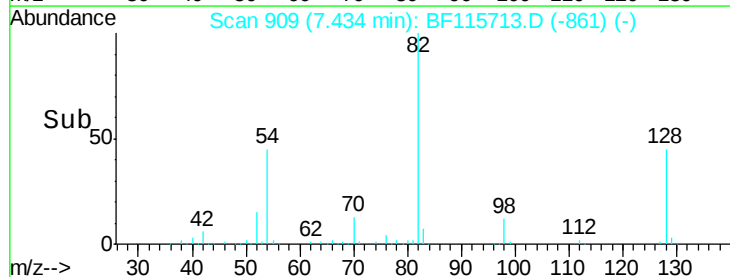
54 45.1 35.6 53.4

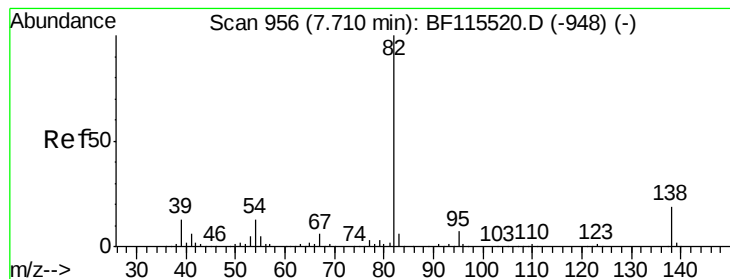


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.223 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :

BNA_F

ClientSampleId :

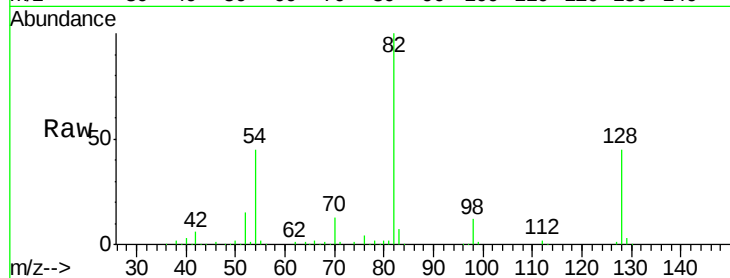
Tot Ion: 82 Resp: 274673

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

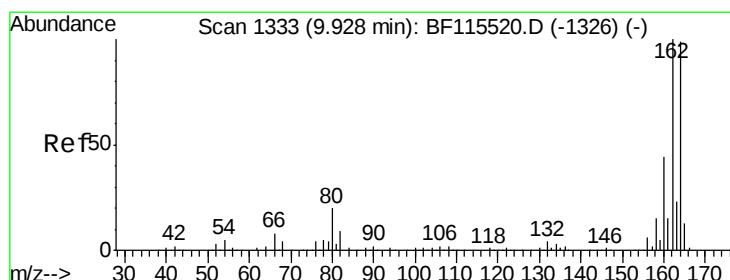
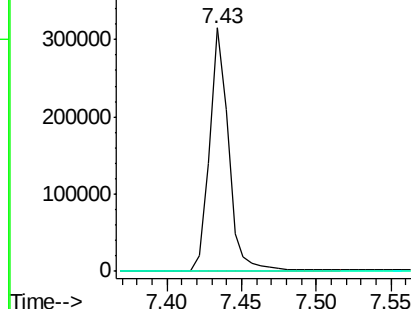
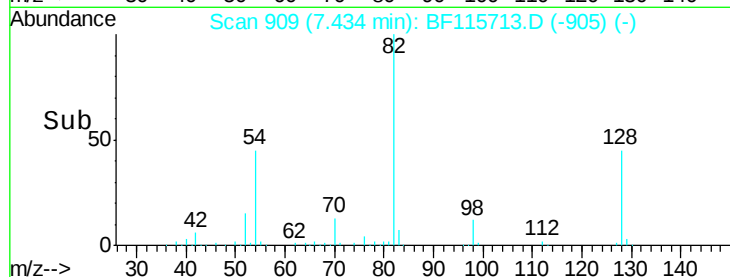
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF115713.D (-905) (-)

Ion 95.00 (94.70 to 95.70): BF115713.D (-905) (-)

Ion 138.00 (137.70 to 138.70): BF115713.D (-905) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

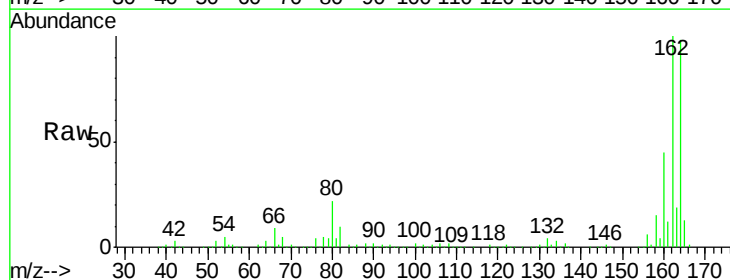
Tgt Ion: 164 Resp: 312937

Ion Ratio Lower Upper

164 100

162 102.2 82.9 124.3

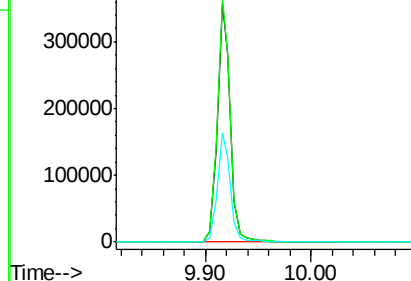
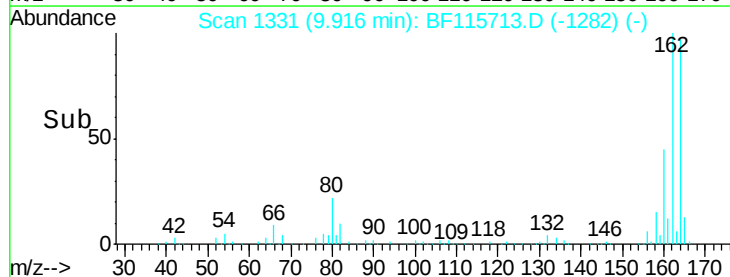
160 46.0 36.8 55.2



Abundance Ion 164.00 (163.70 to 164.70): BF115713.D (-1282) (-)

Ion 162.00 (161.70 to 162.70): BF115713.D (-1282) (-)

Ion 160.00 (159.70 to 160.70): BF115713.D (-1282) (-)

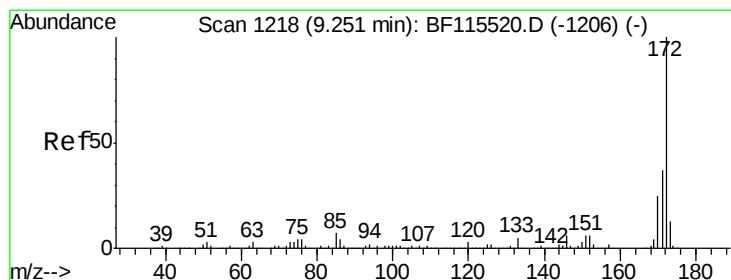
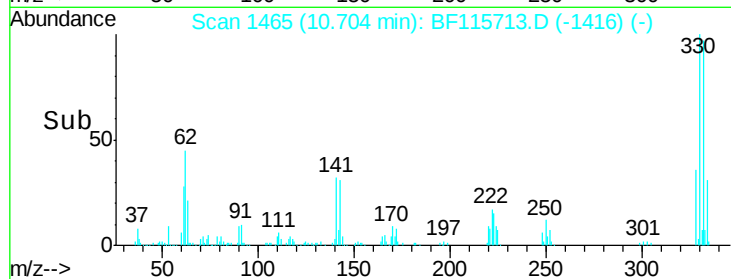
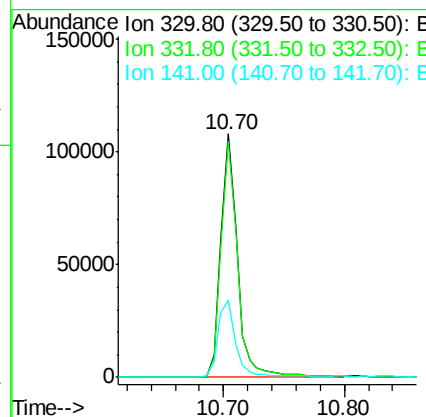
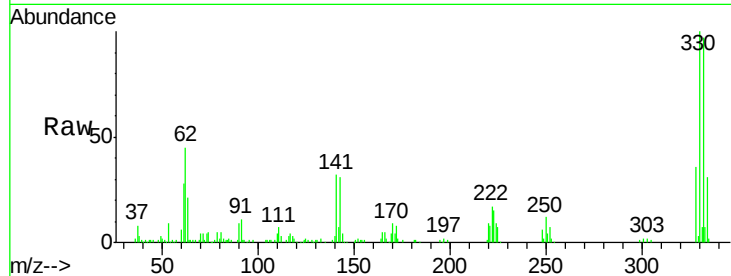




#42
 2,4,6-Tribromophenol
 Concen: 27.985 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115713.D
 Acq: 22 Jul 2019 17:00

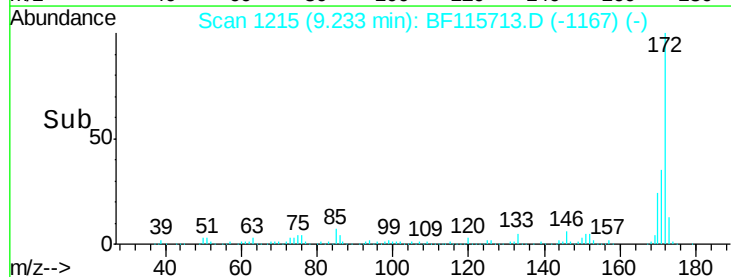
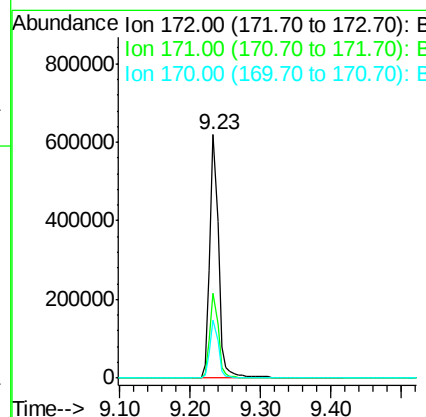
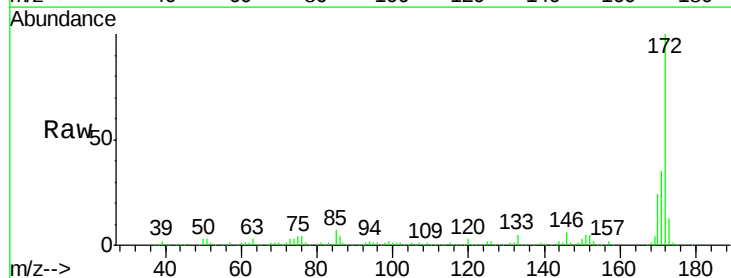
Instrument :
 BNA_F
 ClientSampleId :

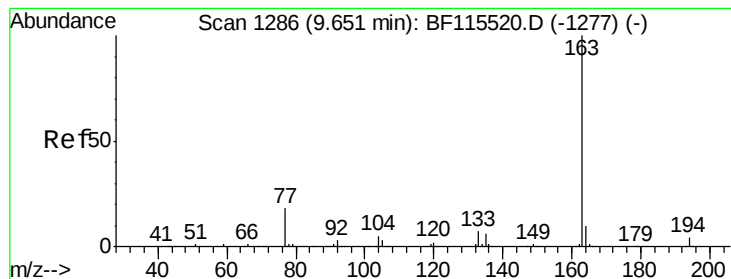
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	34.8	22.4	33.6



#45
 2-Fluorobiphenyl
 Concen: 30.051 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115713.D
 Acq: 22 Jul 2019 17:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.6	46.0
170	23.6	20.5	30.7





#50

Dimethylphthalate

Concen: 2.041 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :

BNA_F

ClientSampleId :

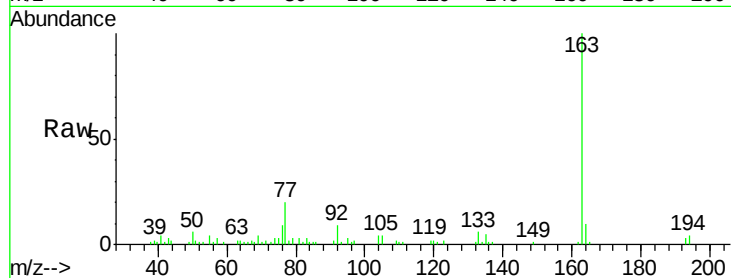
Tot Ion:163 Resp: 48059

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

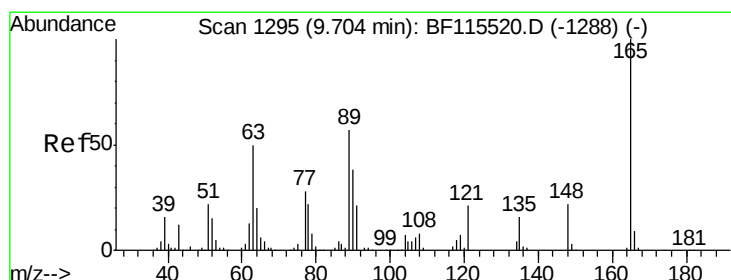
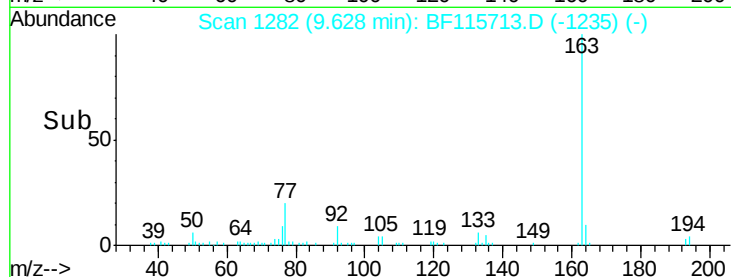
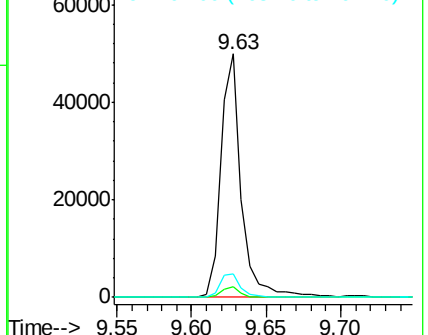
164 9.7 8.7 13.1



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: 7.688 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

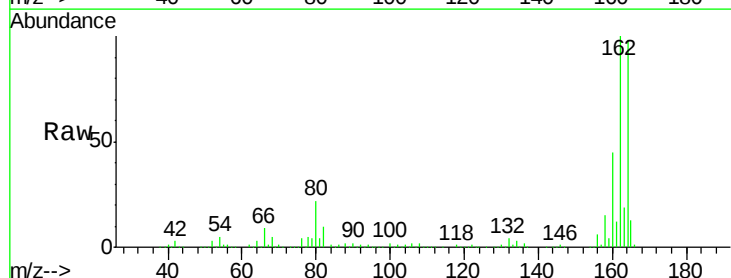
Tgt Ion:165 Resp: 41135

Ion Ratio Lower Upper

165 100

63 1.1 40.6 61.0#

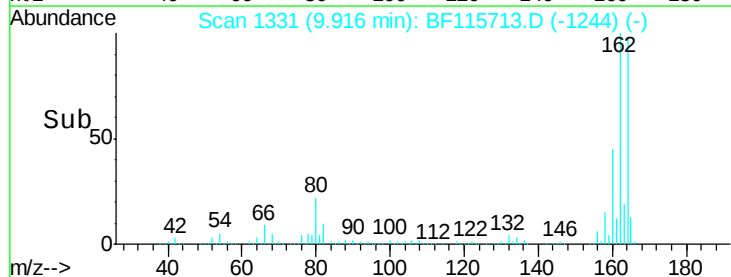
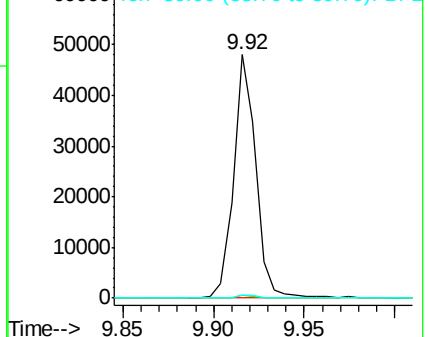
89 1.1 43.9 65.9#

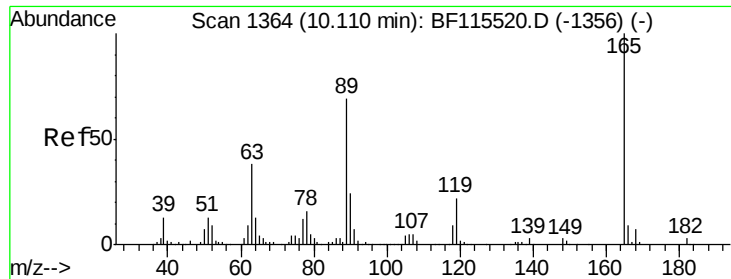


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

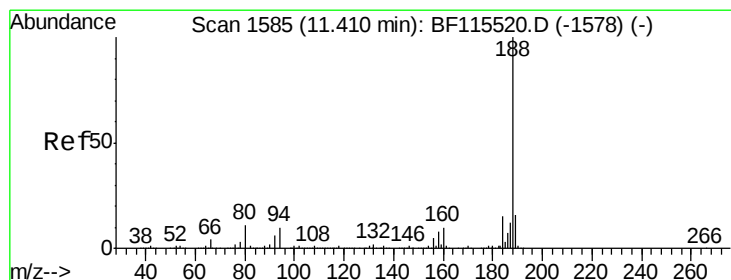
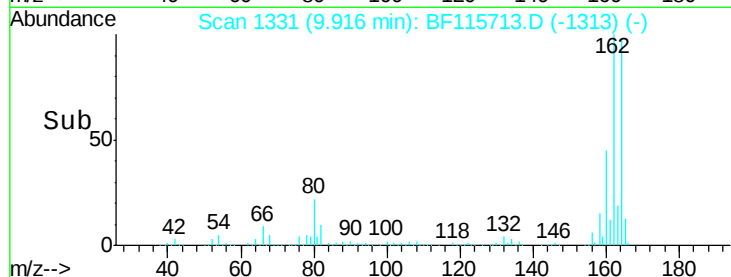
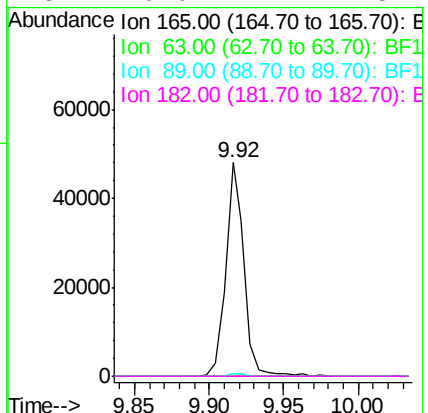
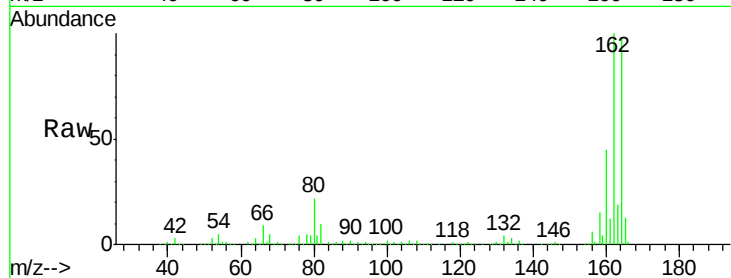




#57
 2,4-Dinitrotoluene
 Concen: 5.950 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115713.D
 Acq: 22 Jul 2019 17:00

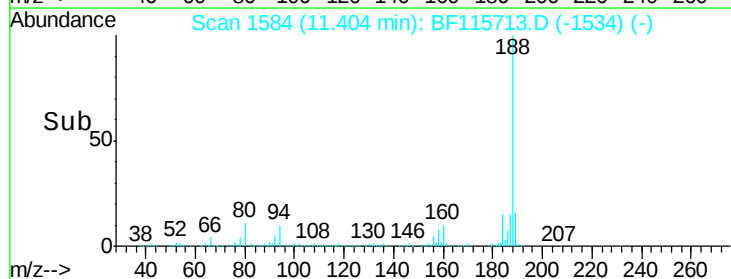
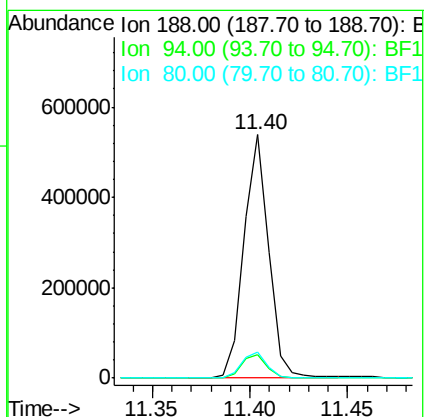
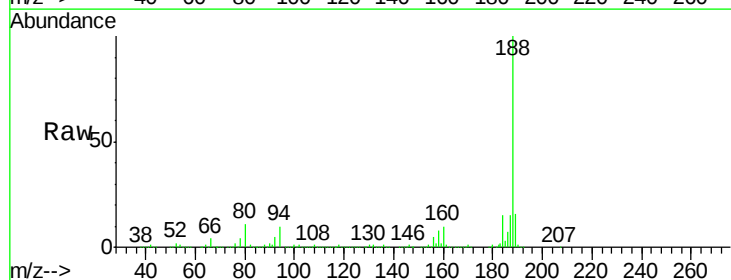
Instrument :
 BNA_F
 ClientSampleId :

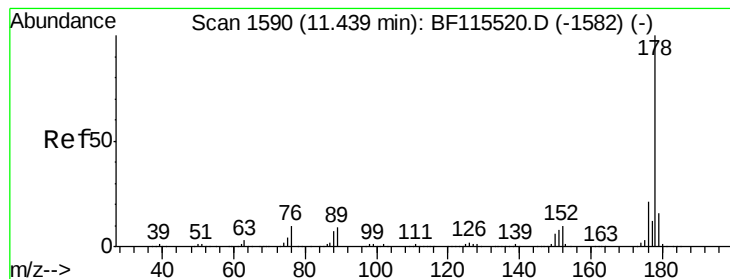
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.9	52.3#
89	1.1	57.5	86.3#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115713.D
 Acq: 22 Jul 2019 17:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.8	8.6	13.0





#71

Phenanthrene

Concen: 2.175 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

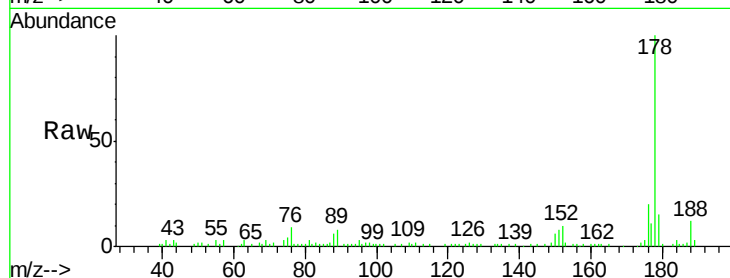
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 52928

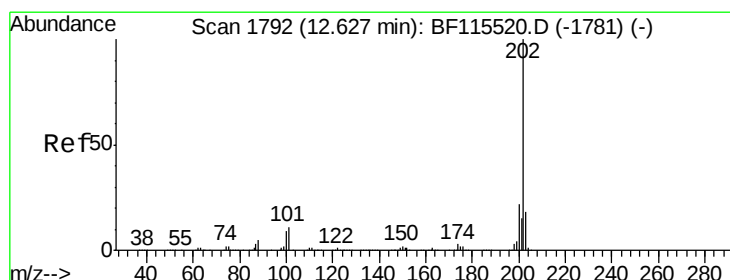
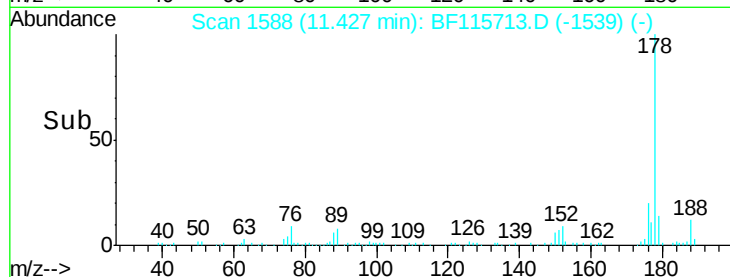
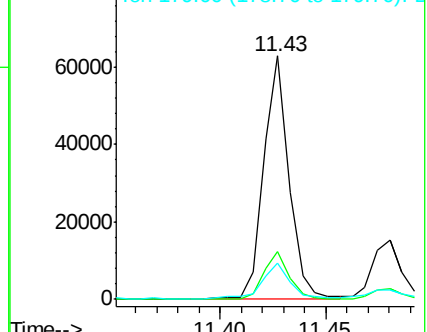
Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.2	25.8
179	14.9	13.5	20.3



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: 5.749 ng

RT: 12.62 min Scan# 1790

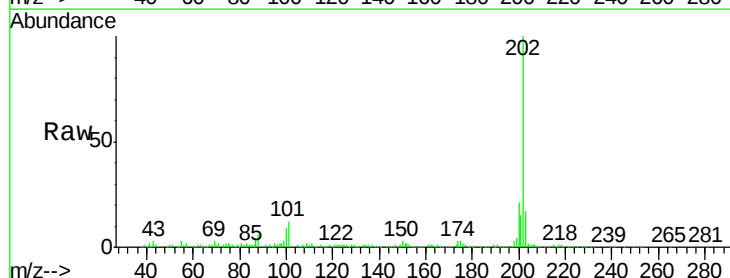
Delta R.T. -0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Tgt Ion:202 Resp: 147882

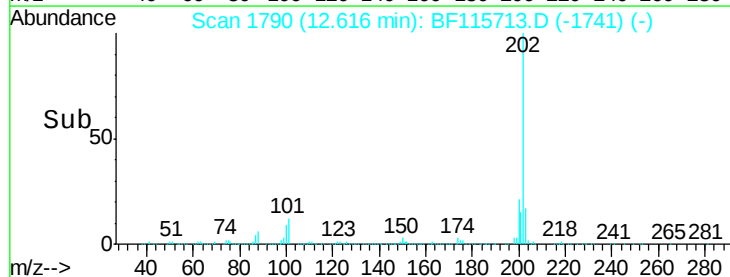
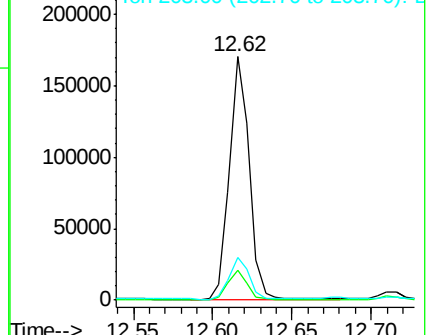
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.4
203	17.4	0.0	38.1

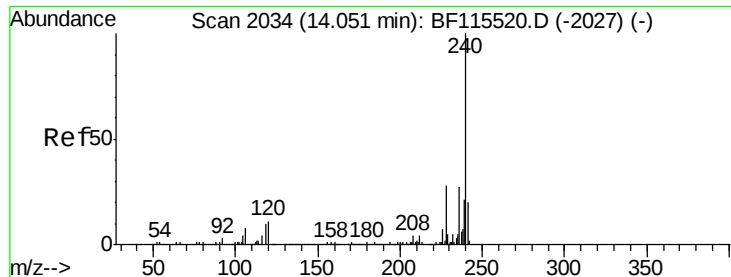


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

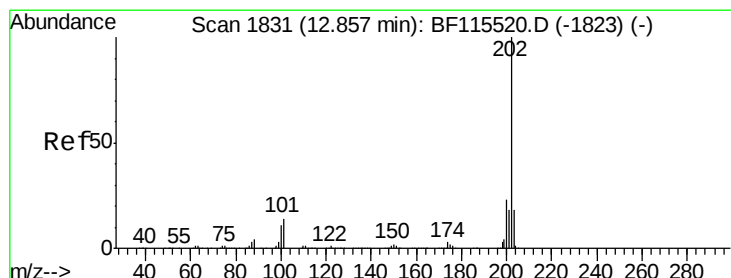
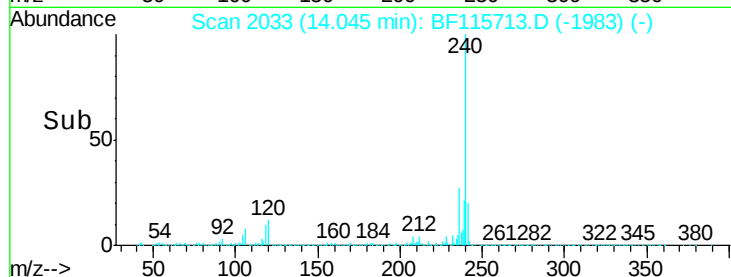
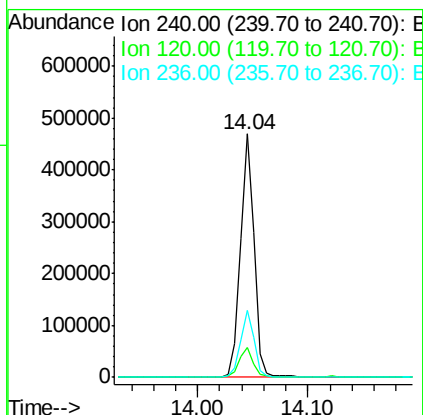
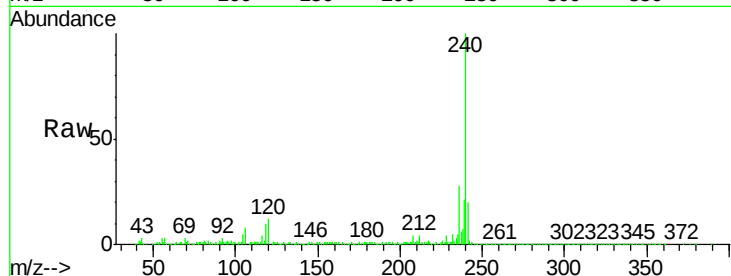




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115713.D
Acq: 22 Jul 2019 17:00

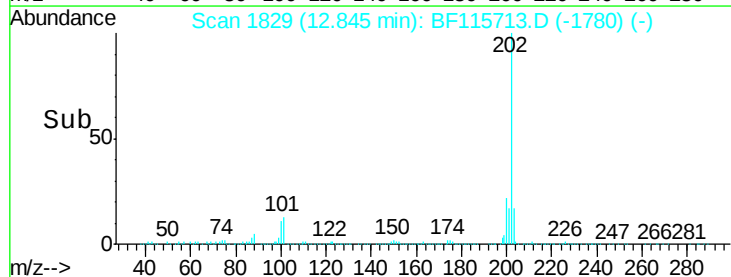
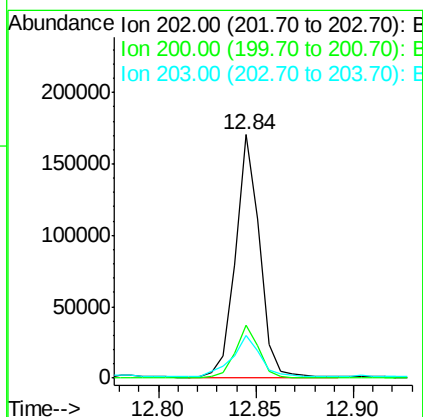
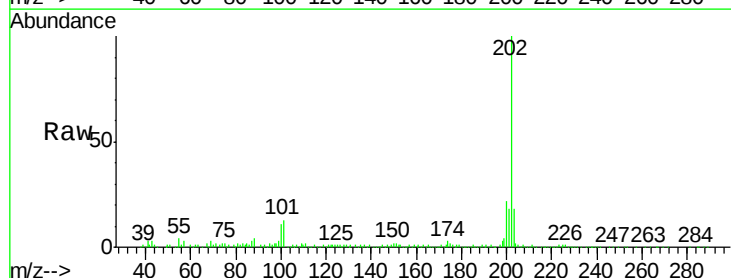
Instrument :
BNA_F
ClientSampleId :

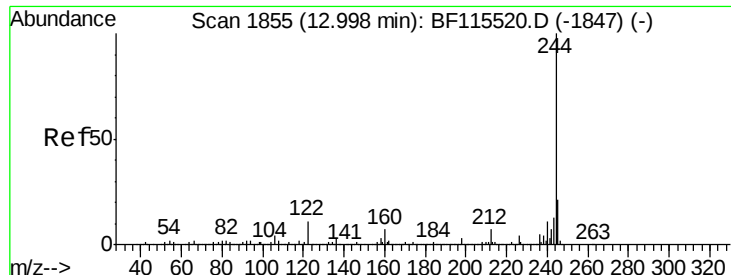
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.6	13.0
236	27.5	21.3	31.9



#78
Pyrene
Concen: 4.189 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115713.D
Acq: 22 Jul 2019 17:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.7	28.1
203	17.6	15.2	22.8

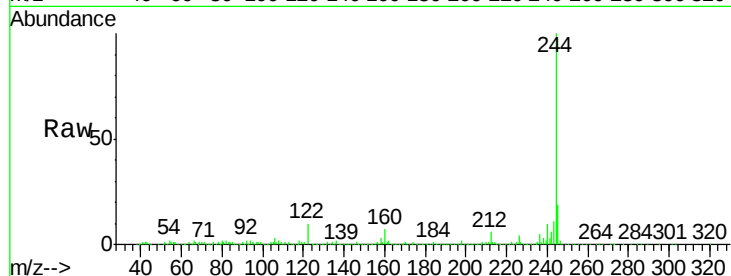




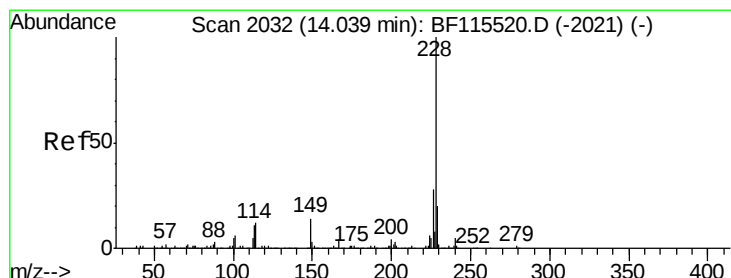
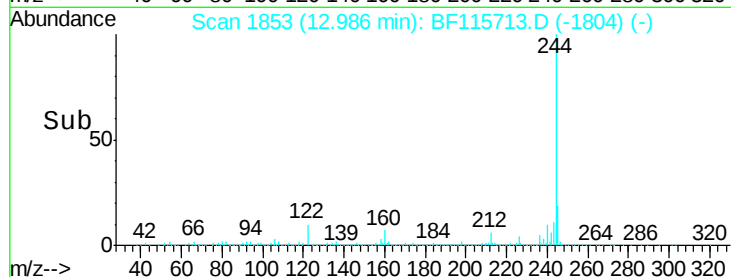
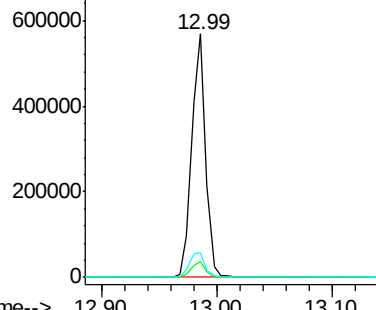
#79
 Terphenyl-d14
 Concen: 21.636 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF115713.D
 Acq: 22 Jul 2019 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 474734
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 10.4 8.6 12.8

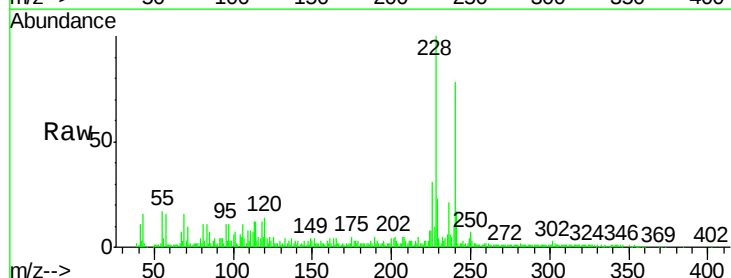


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

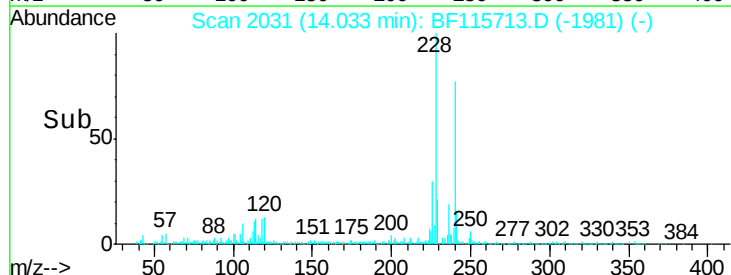
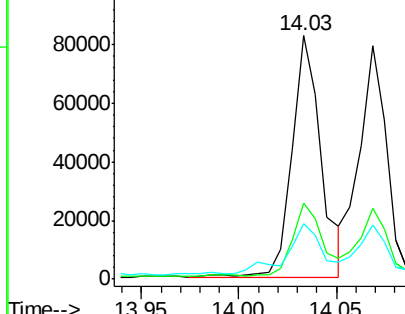


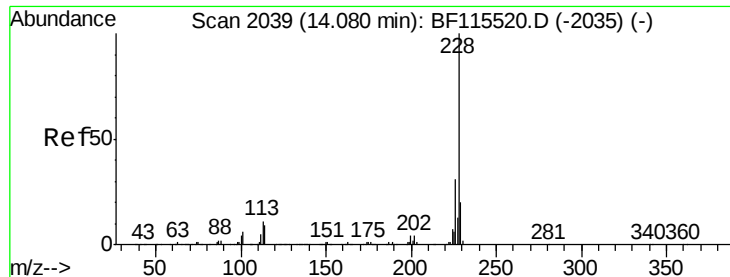
#81
 Benzo(a)anthracene
 Concen: 3.173 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF115713.D
 Acq: 22 Jul 2019 17:00

Tgt Ion:228 Resp: 84632
 Ion Ratio Lower Upper
 228 100
 226 31.0 23.4 35.0
 229 22.7 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





#83

Chrysene

Concen: 2.865 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :

BNA_F

ClientSampleId :

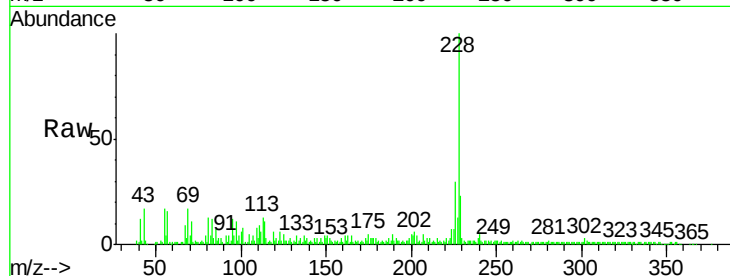
Tot Ion:228 Resp: 76706

Ion Ratio Lower Upper

228 100

226 30.5 25.7 38.5

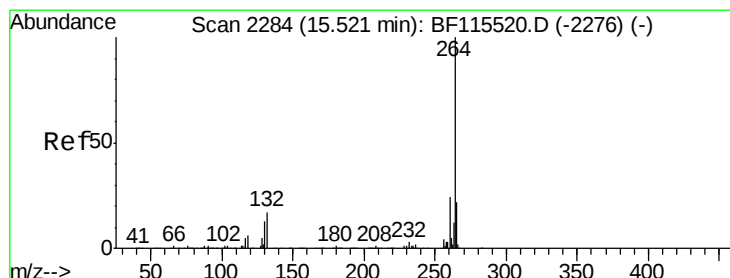
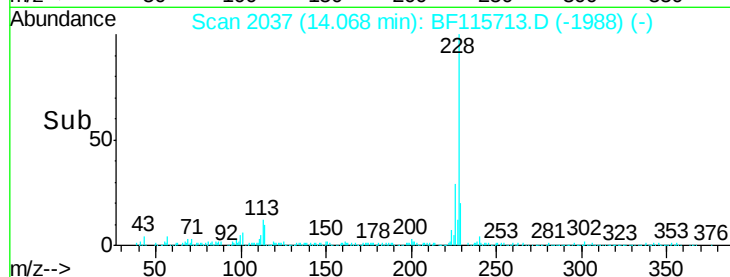
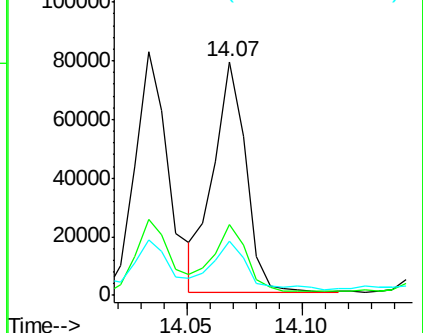
229 22.9 16.6 25.0



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

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

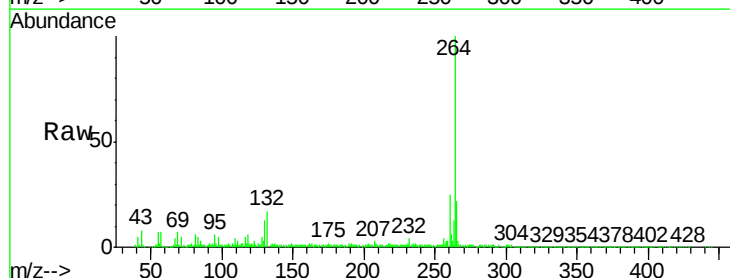
Tgt Ion:264 Resp: 366714

Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

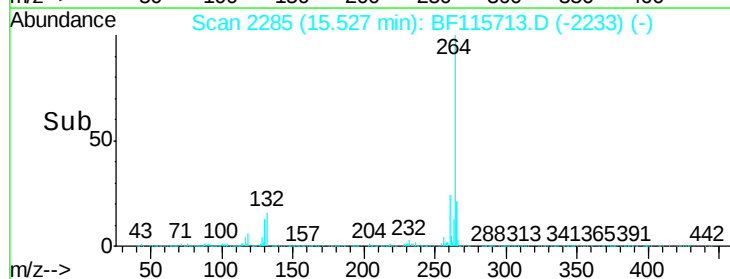
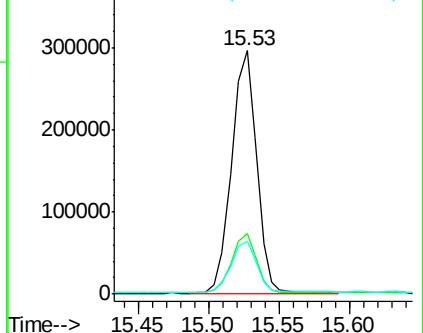
265 21.8 17.7 26.5

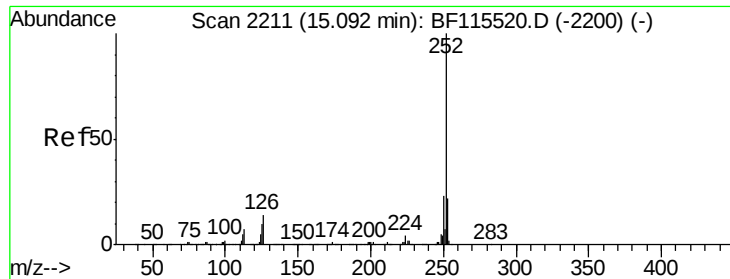


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.234 ng

RT: 15.09 min Scan# 2211

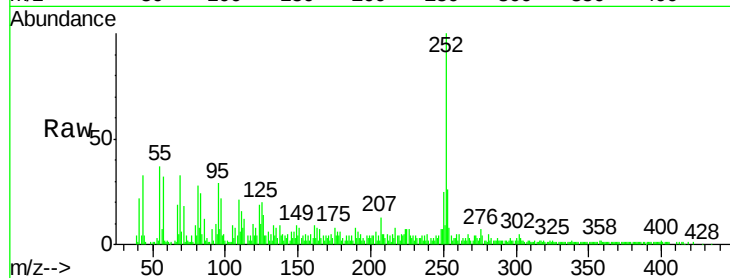
Delta R.T. 0.00 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :
BNA_F
ClientSampleId :

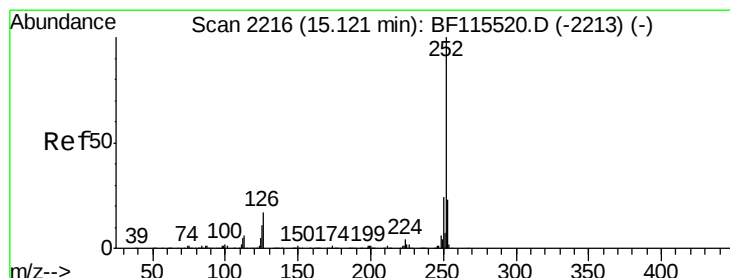
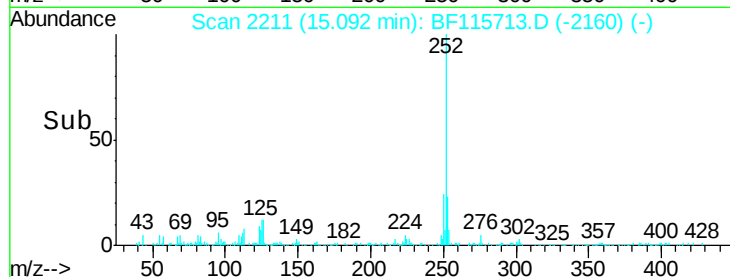
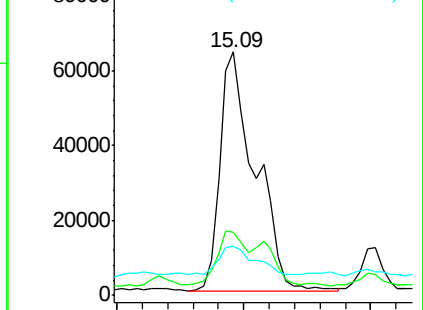
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	19.9	9.0	13.4



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: 5.870 ng

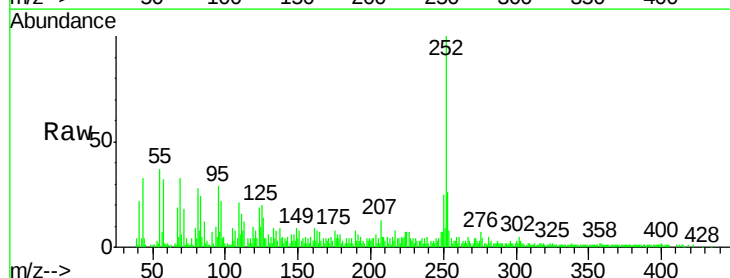
RT: 15.09 min Scan# 2211

Delta R.T. -0.03 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

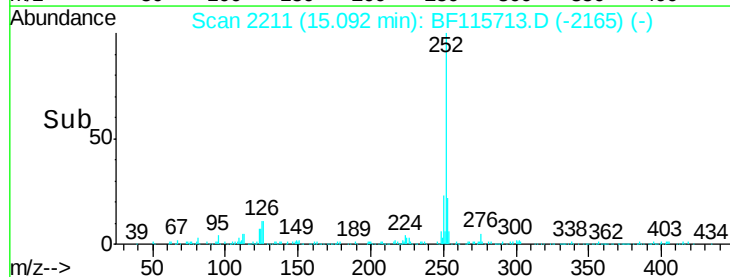
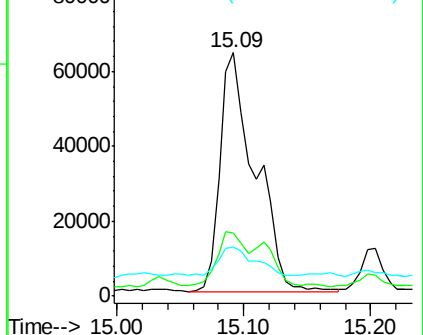
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.6	28.0
125	19.9	9.0	13.6

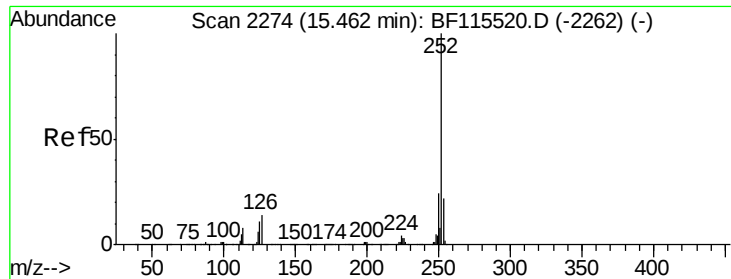


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.881 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BF115713.D

Acq: 22 Jul 2019 17:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 58466

Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.6

125 22.4 9.1 13.7#

