

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115670.D
 Acq On : 19 Jul 2019 12:07
 Operator : HP/JU
 Sample : K3618-05 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 13:26:34 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	210081	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	832830	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	393157	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	667814	20.00	ng	0.00
76) Chrysene-d12	14.04	240	386879	20.00	ng	0.00
87) Perylene-d12	15.52	264	435841	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	502689	39.14	ng	0.00
7) Phenol-d6	6.50	99	664280	40.76	ng	-0.01
23) Nitrobenzene-d5	7.43	82	411753	28.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	161260	35.14	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	735748	32.75	ng	-0.01
79) Terphenyl-d14	12.99	244	578506	27.59	ng	-0.01

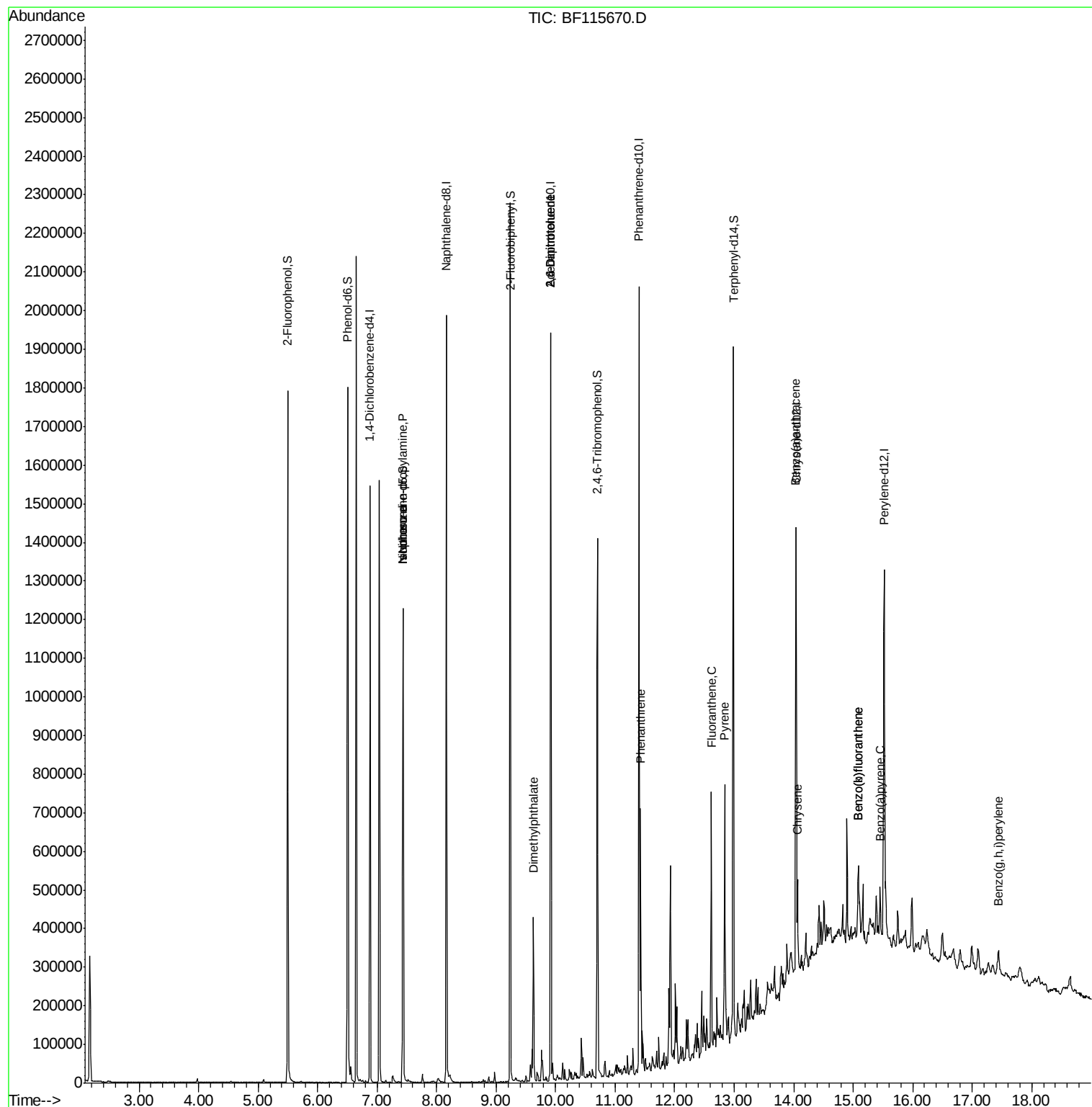
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	55192	5.193	ng	# 79
25) Isophorone	7.43	82	403515	14.079	ng	# 64
50) Dimethylphthalate	9.63	163	152288	5.148	ng	98
51) 2,6-Dinitrotoluene	9.92	165	52385	7.793	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	52386	6.015	ng	# 24
71) Phenanthrene	11.43	178	230578	6.736	ng	96
75) Fluoranthene	12.62	202	230752	6.379	ng	98
78) Pyrene	12.84	202	256363	7.821	ng	97
81) Benzo(a)anthracene	14.03	228	76036	2.983	ng	97
83) Chrysene	14.07	228	98782	3.861	ng	96
88) Benzo(b)fluoranthene	15.09	252	118282	4.215	ng	# 94
89) Benzo(k)fluoranthene	15.09	252	118282	4.727	ng	# 95
90) Benzo(a)pyrene	15.45	252	69799	2.894	ng	# 95
92) Benzo(a,h,i)perylene	17.44	276	44157	2.091	ng	94

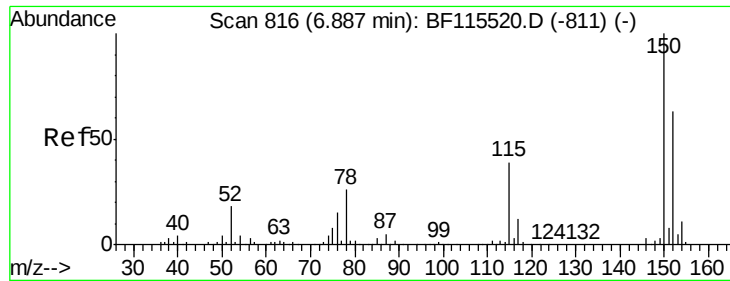
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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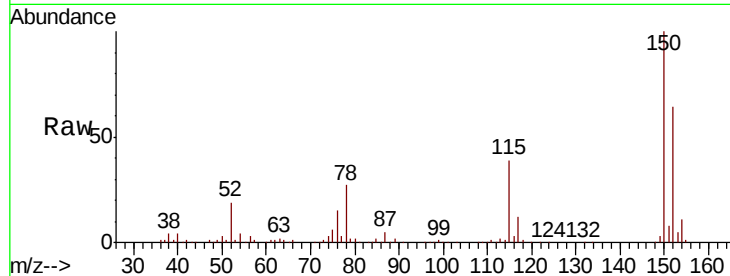


#1

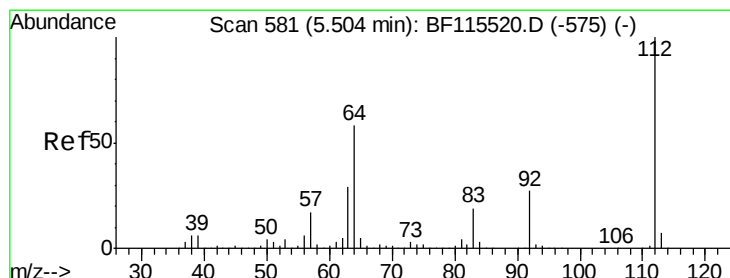
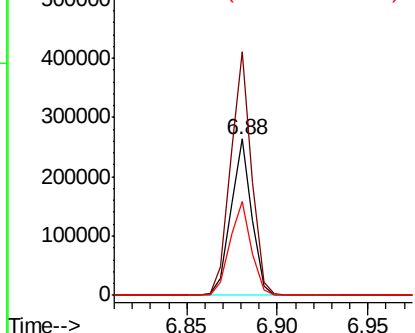
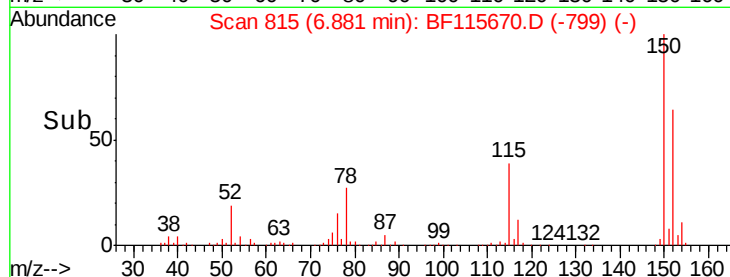
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115670.D
 Acq: 19 Jul 2019 12:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 210081
 Ion Ratio Lower Upper
 152 100
 150 156.1 129.7 194.5
 115 60.5 48.2 72.4



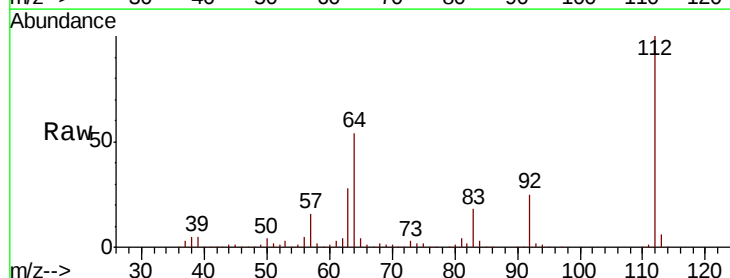
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



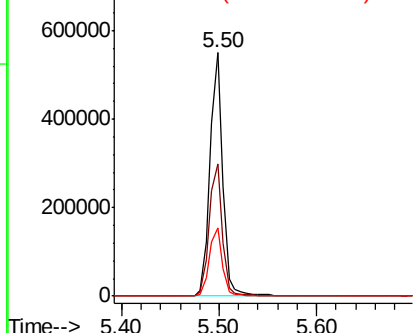
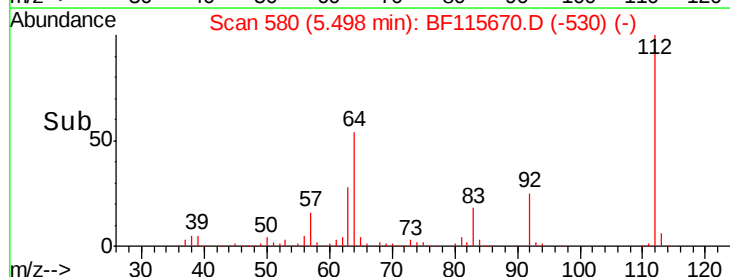
#5

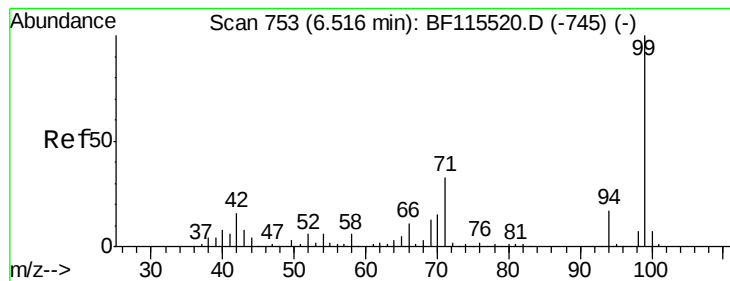
2-Fluorophenol
 Concen: 39.140 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF115670.D
 Acq: 19 Jul 2019 12:07

Tgt Ion:112 Resp: 502689
 Ion Ratio Lower Upper
 112 100
 64 54.3 46.8 70.2
 63 27.8 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: 40.761 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

Instrument :

BNA_F

ClientSampleId :

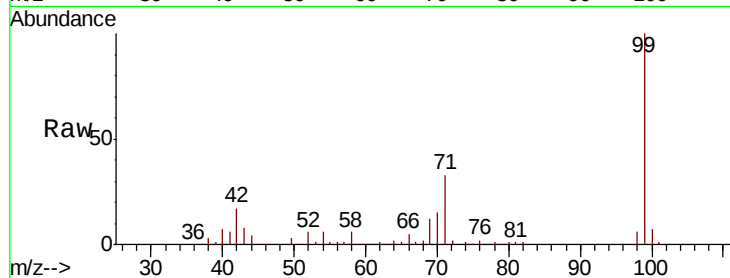
Tot Ion: 99 Resp: 664280

Ion Ratio Lower Upper

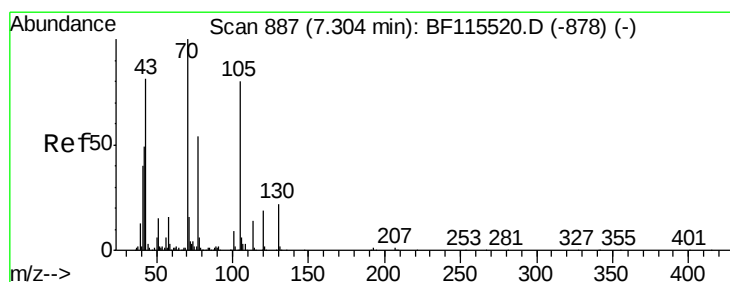
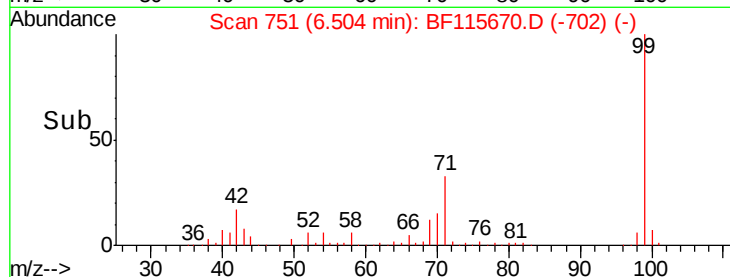
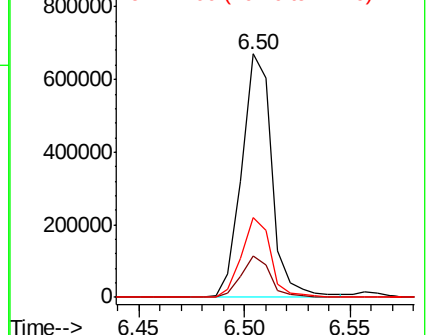
99 100

42 16.9 13.6 20.4

71 33.0 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: 5.193 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

Tgt Ion: 70 Resp: 55192

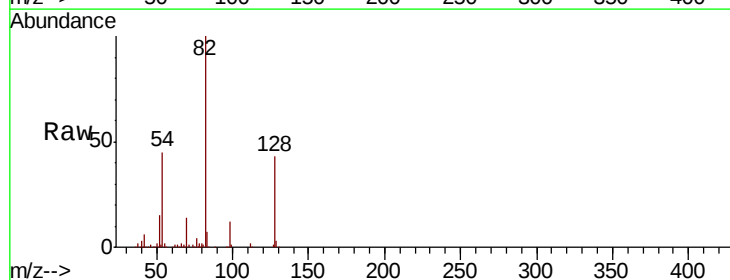
Ion Ratio Lower Upper

70 100

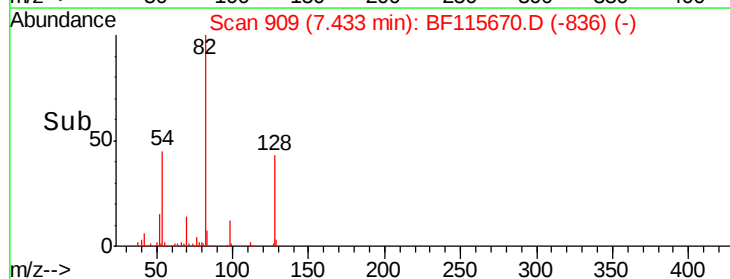
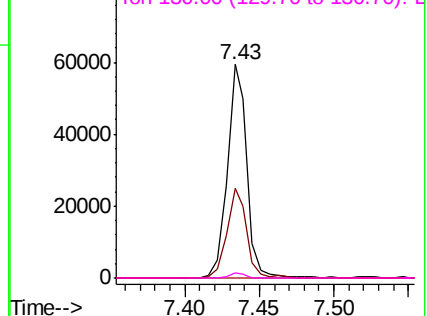
42 42.3 39.6 59.4

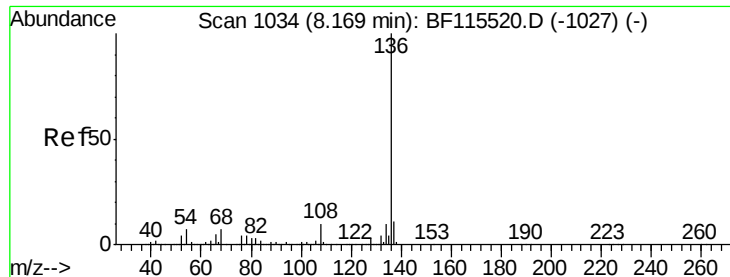
101 0.0 8.1 12.1#

130 2.2 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: BF115670.D

Acq: 19 Jul 2019 12:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 832830

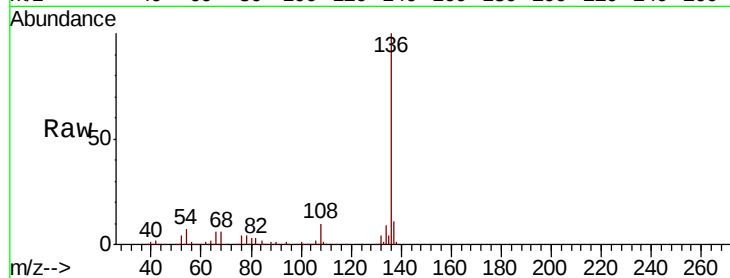
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.0 5.6 8.4

68 6.4 5.0 7.6

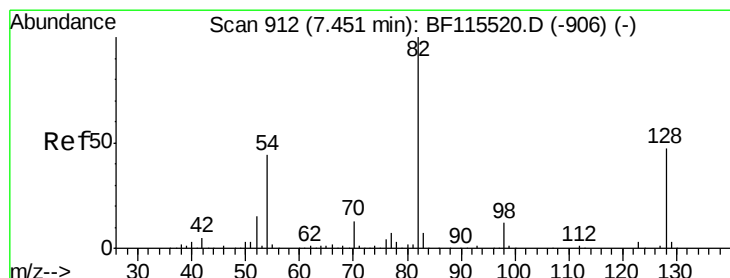
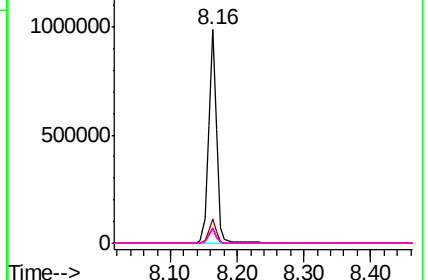
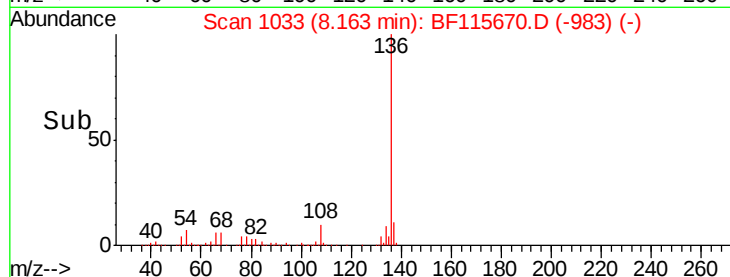


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.748 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

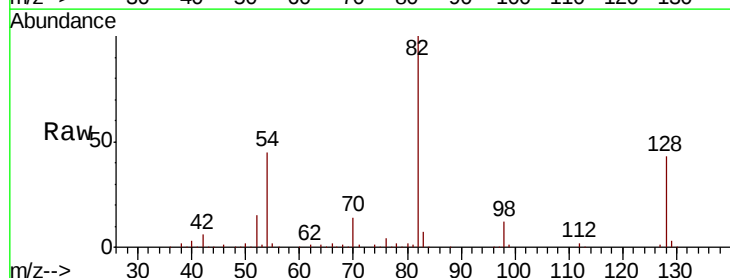
Tgt Ion: 82 Resp: 411753

Ion Ratio Lower Upper

82 100

128 42.7 38.6 57.8

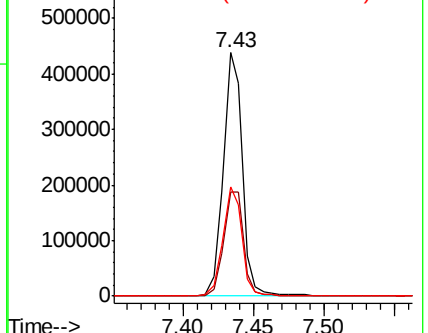
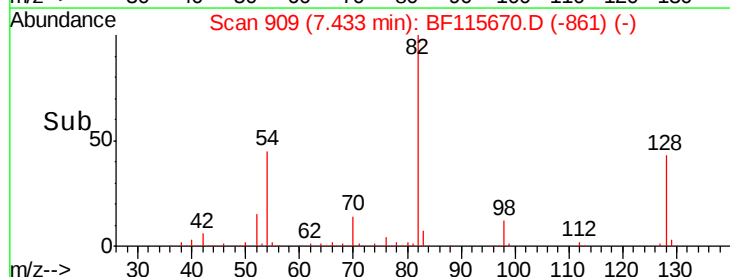
54 45.0 35.6 53.4

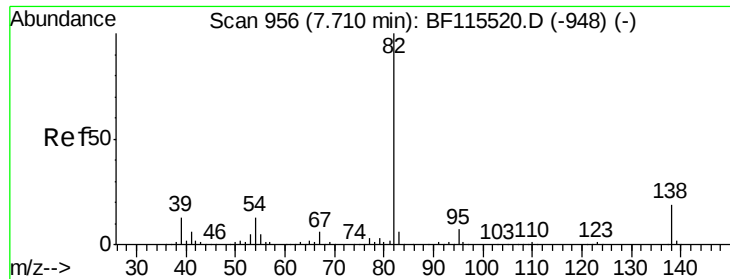


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.079 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

Instrument :

BNA_F

ClientSampleId :

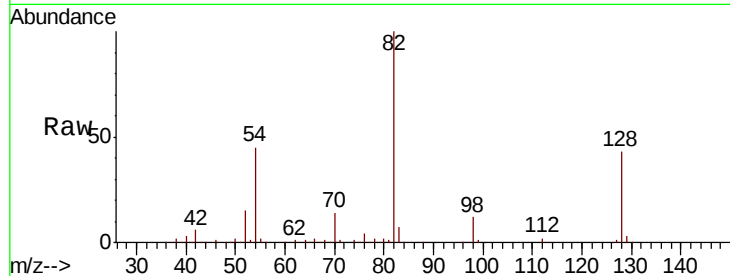
Tot Ion: 82 Resp: 403515

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

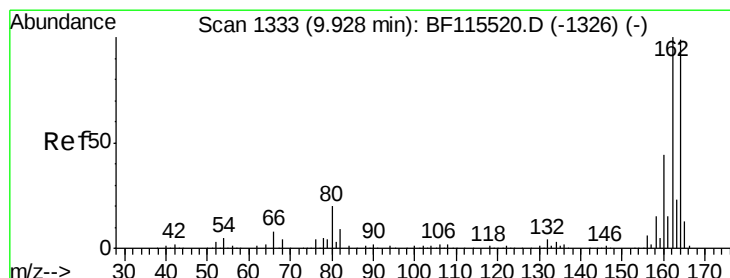
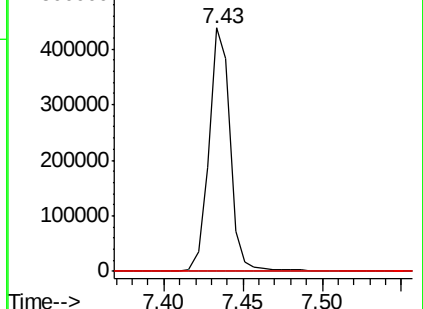
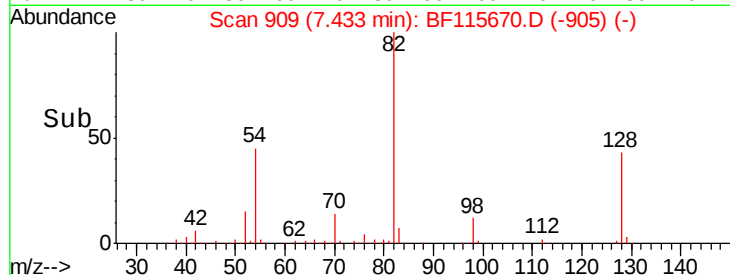
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF115670.D (-905) (-)

Ion 95.00 (94.70 to 95.70): BF115670.D (-905) (-)

Ion 138.00 (137.70 to 138.70): BF115670.D (-905) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

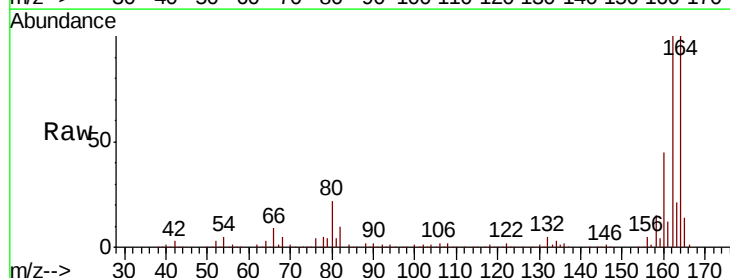
Tgt Ion: 164 Resp: 393157

Ion Ratio Lower Upper

164 100

162 99.8 82.9 124.3

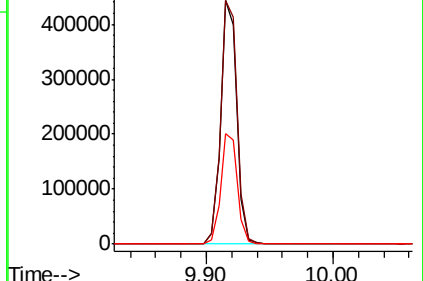
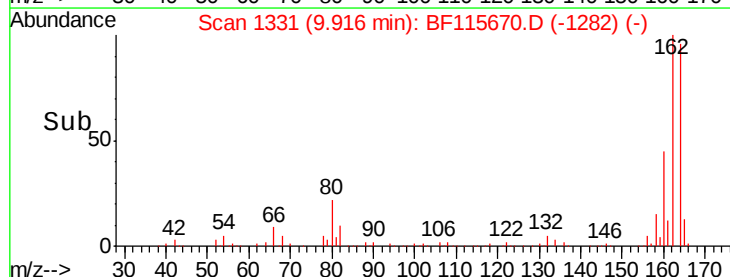
160 45.2 36.8 55.2

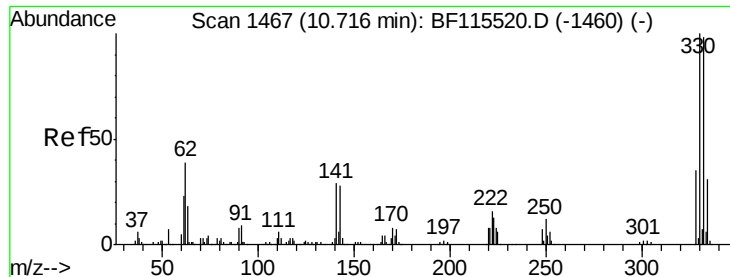


Abundance Ion 164.00 (163.70 to 164.70): BF115670.D (-1282) (-)

Ion 162.00 (161.70 to 162.70): BF115670.D (-1282) (-)

Ion 160.00 (159.70 to 160.70): BF115670.D (-1282) (-)

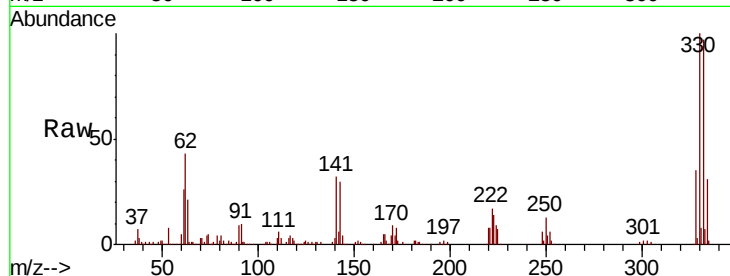




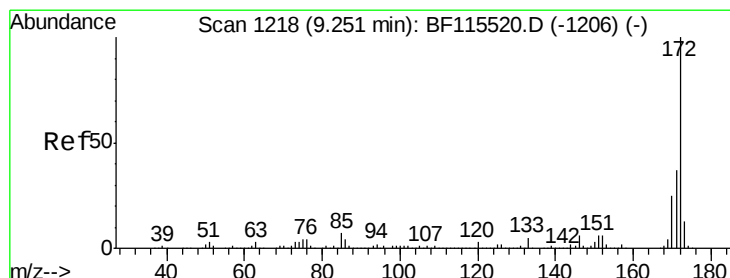
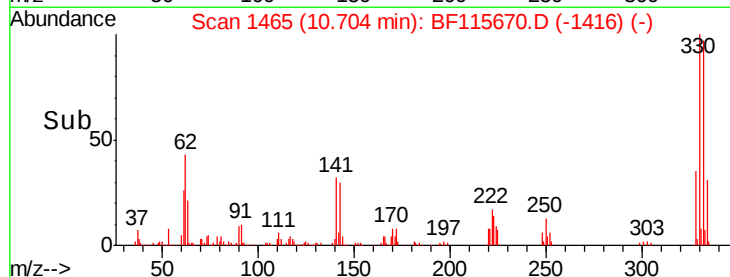
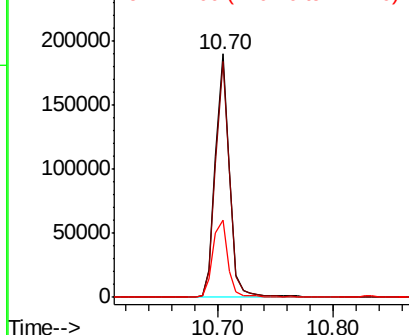
#42
 2,4,6-Tribromophenol
 Concen: 35.140 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115670.D
 Acq: 19 Jul 2019 12:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 161260
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 33.9 22.4 33.6#

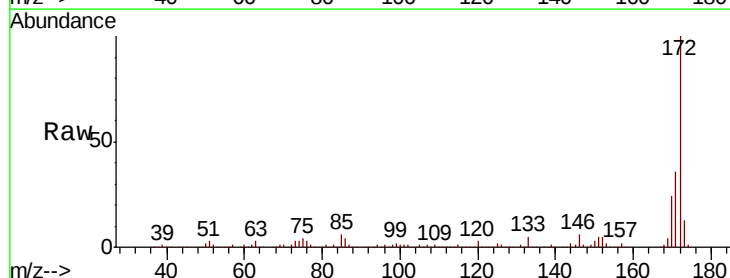


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

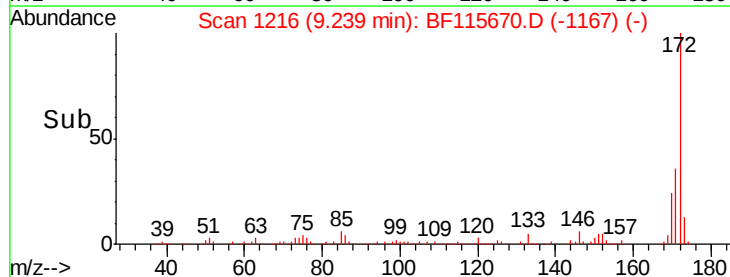
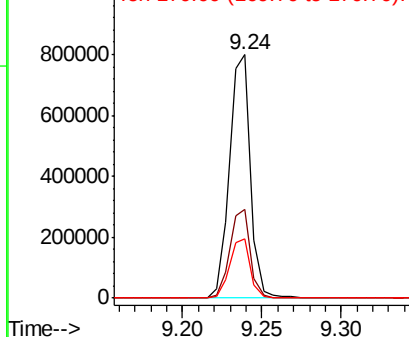


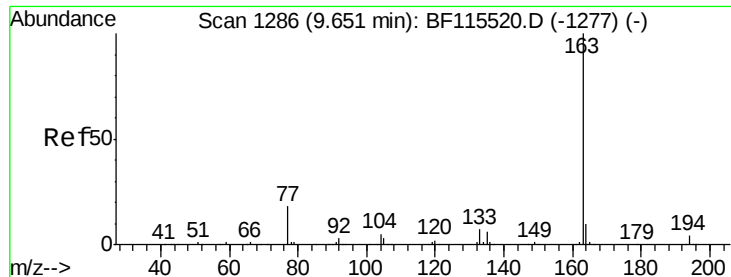
#45
 2-Fluorobiphenyl
 Concen: 32.755 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115670.D
 Acq: 19 Jul 2019 12:07

Tgt Ion:172 Resp: 735748
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.6 46.0
 170 24.3 20.5 30.7



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

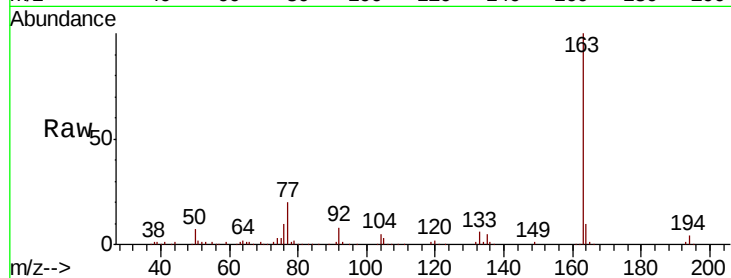




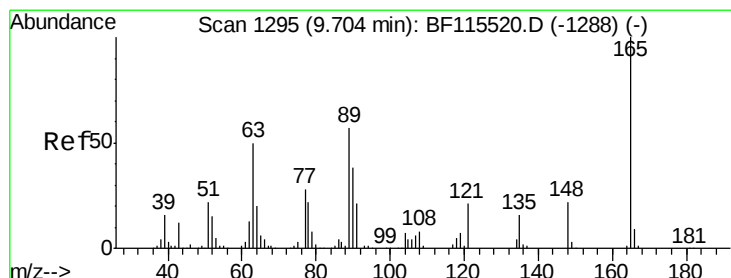
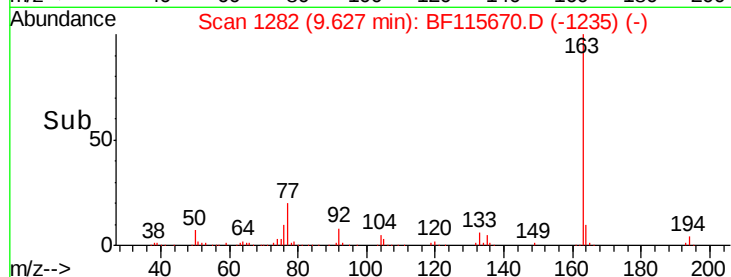
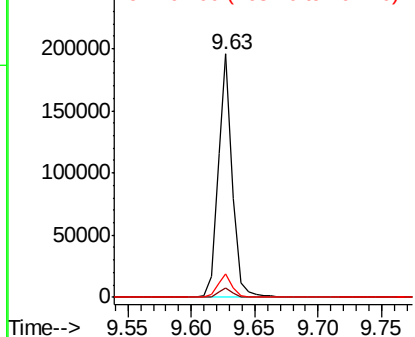
#50
Dimethylphthalate
Concen: 5.148 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 152288
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.8 8.7 13.1

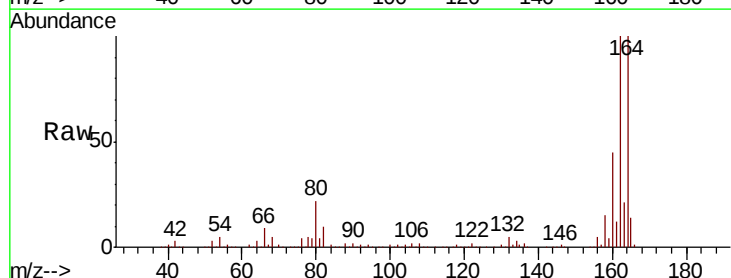


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

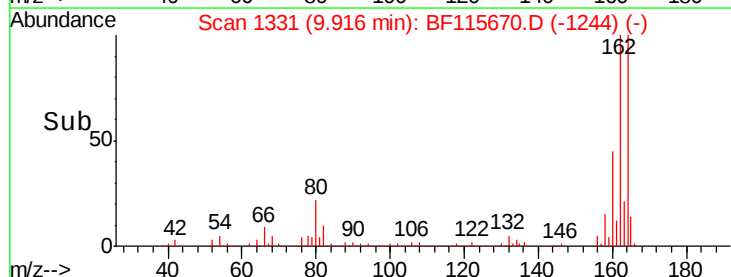
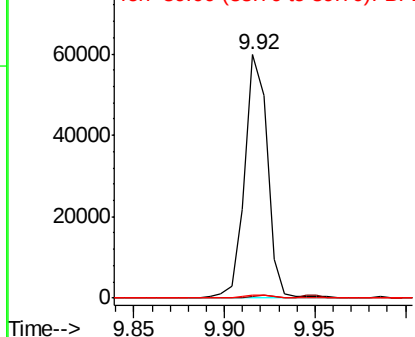


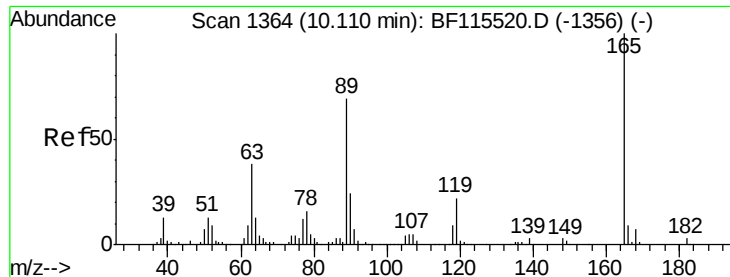
#51
2,6-Dinitrotoluene
Concen: 7.793 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Tgt Ion:165 Resp: 52385
Ion Ratio Lower Upper
165 100
63 0.9 40.6 61.0#
89 1.4 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

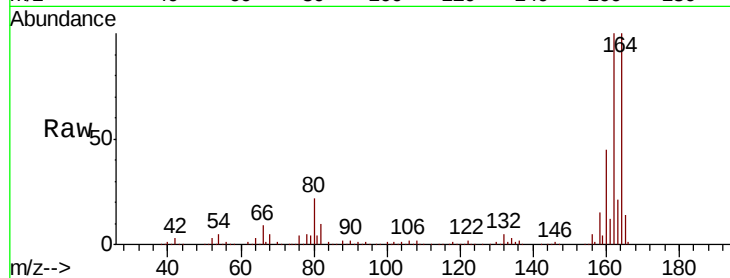




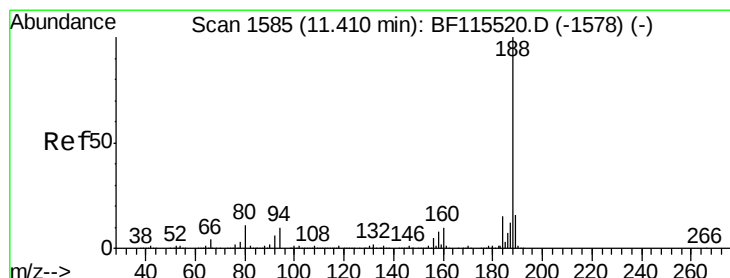
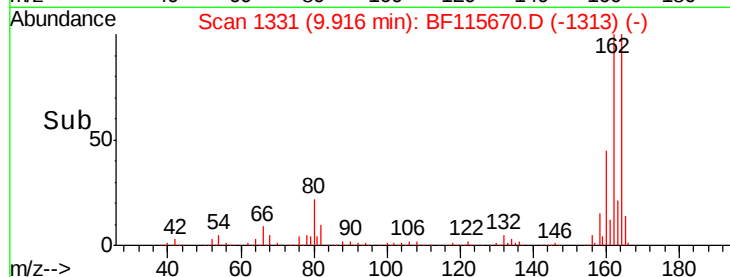
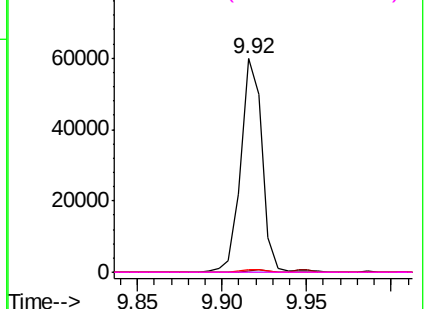
#57
 2,4-Dinitrotoluene
 Concen: 6.015 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115670.D
 Acq: 19 Jul 2019 12:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	52386
Ion Ratio	Lower	Upper
165	100	
63	0.9	34.9 52.3#
89	1.4	57.5 86.3#
182	0.0	2.2 3.4#

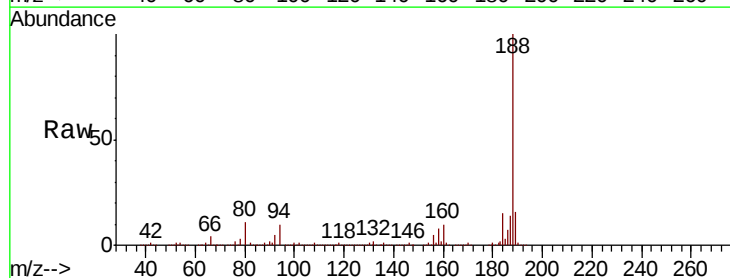


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

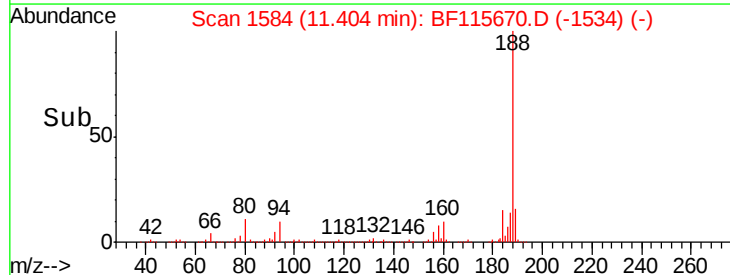
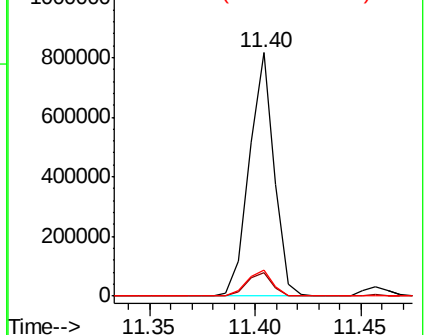


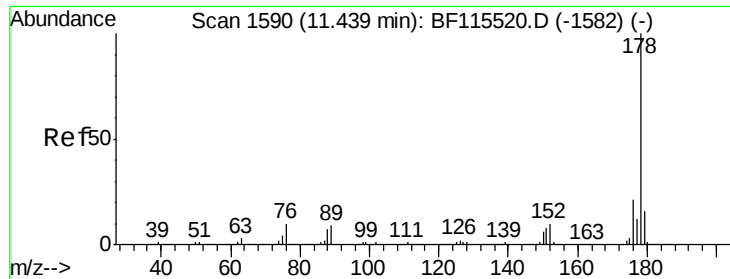
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115670.D
 Acq: 19 Jul 2019 12:07

Tgt Ion:188	Resp:	667814
Ion Ratio	Lower	Upper
188	100	
94	9.8	7.8 11.6
80	10.6	8.6 13.0



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

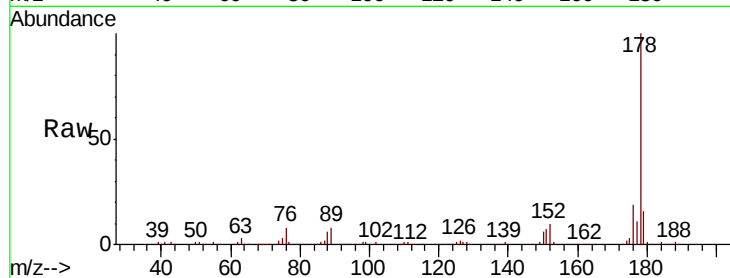




#71
Phenanthrene
Concen: 6.736 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.5	13.5	20.3

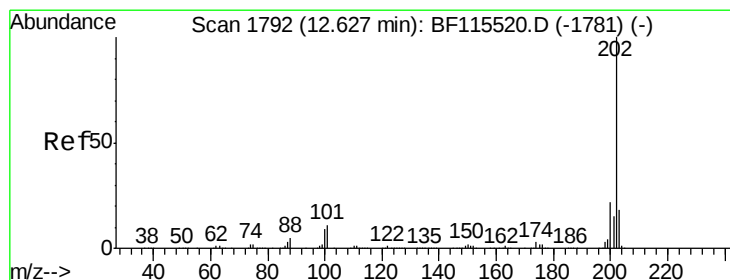
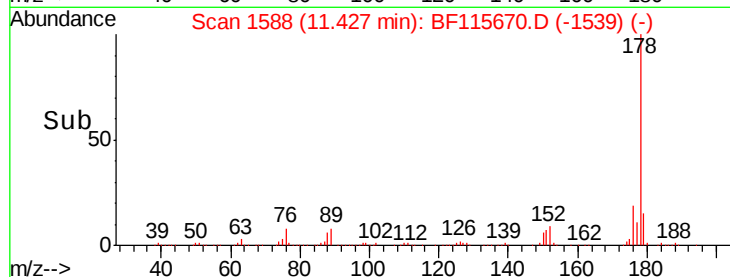
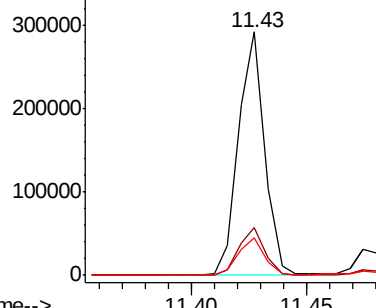


Abundance

Ion 178.00 (177.70 to 178.70): E

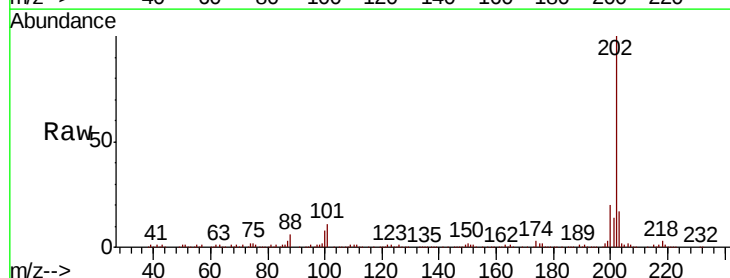
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 6.379 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	16.9	0.0	38.1

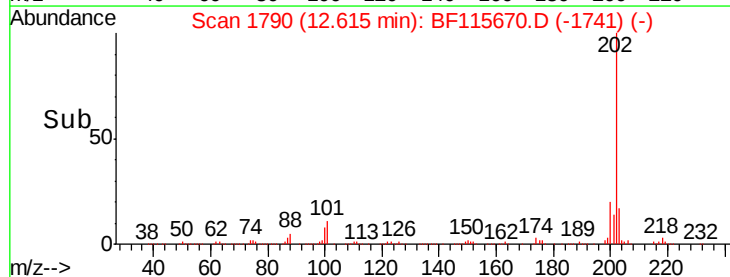
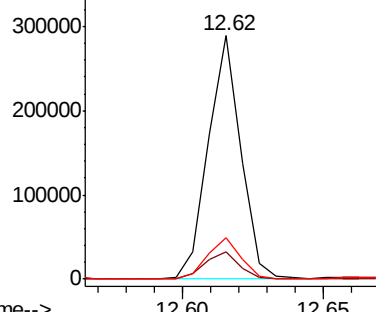


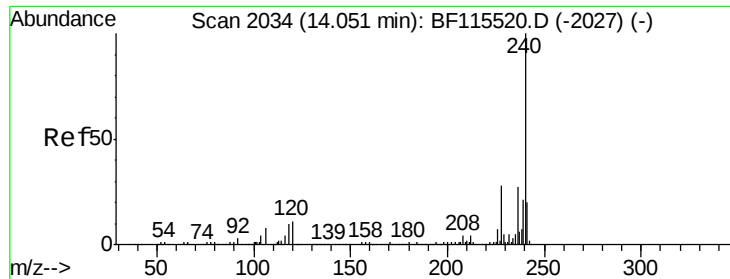
Abundance

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

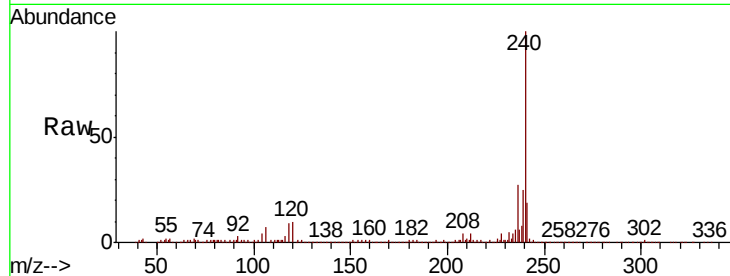




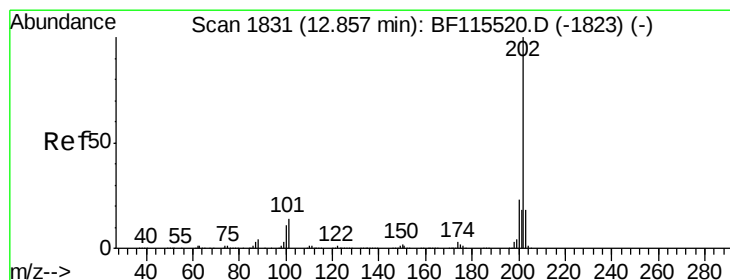
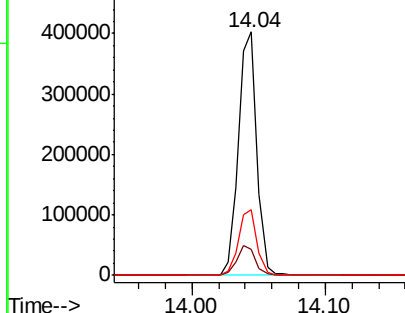
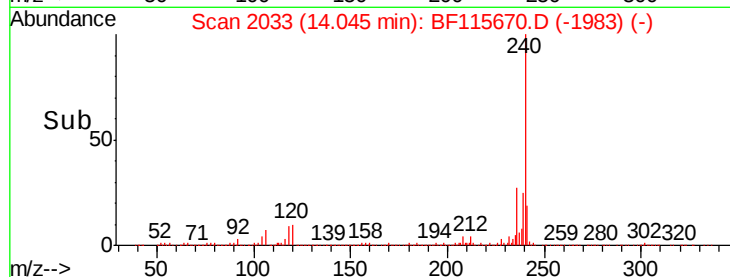
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 386879
Ion Ratio Lower Upper
240 100
120 10.5 8.6 13.0
236 26.9 21.3 31.9

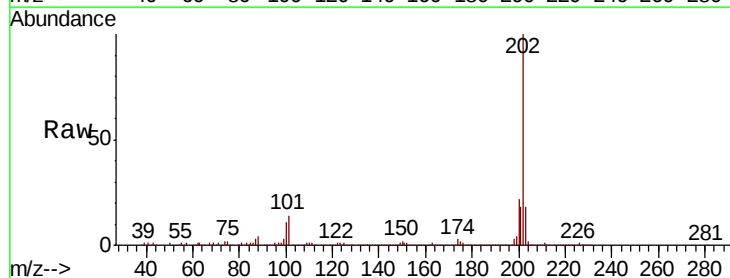


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

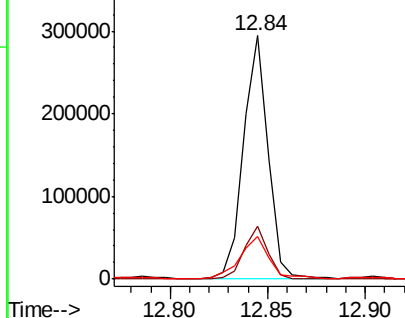
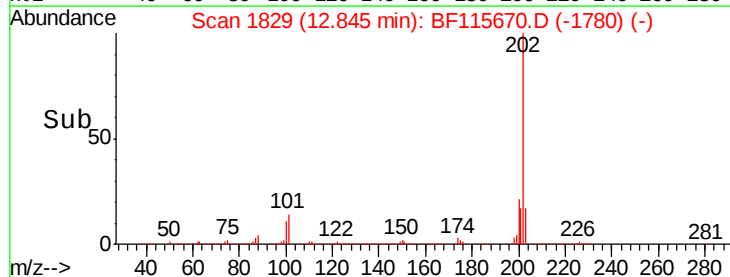


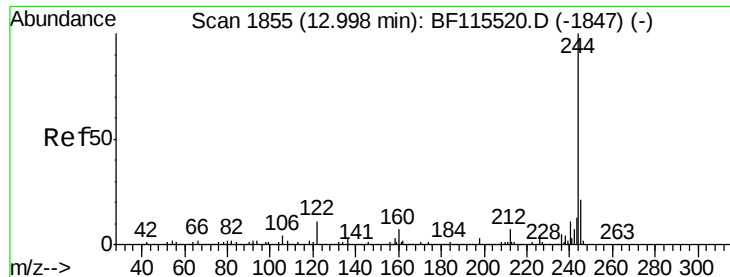
#78
Pyrene
Concen: 7.821 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Tgt Ion:202 Resp: 256363
Ion Ratio Lower Upper
202 100
200 21.6 18.7 28.1
203 17.6 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: 27.591 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

Instrument :

BNA_F

ClientSampleId :

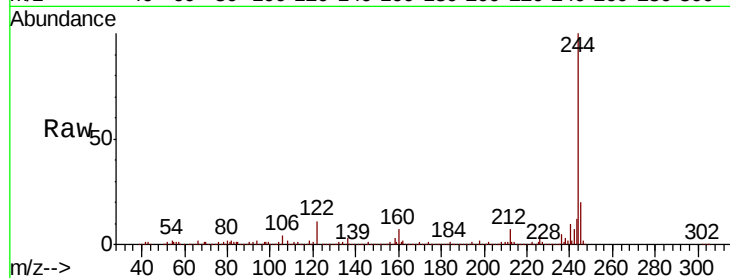
Tot Ion:244 Resp: 578506

Ion Ratio Lower Upper

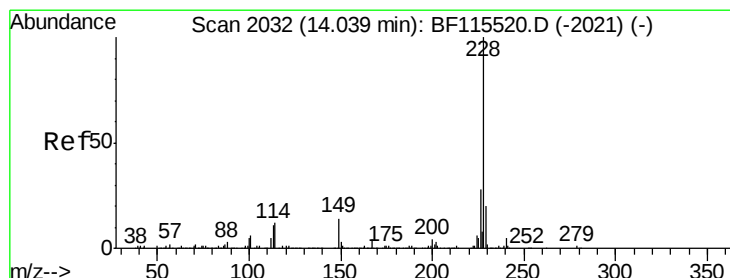
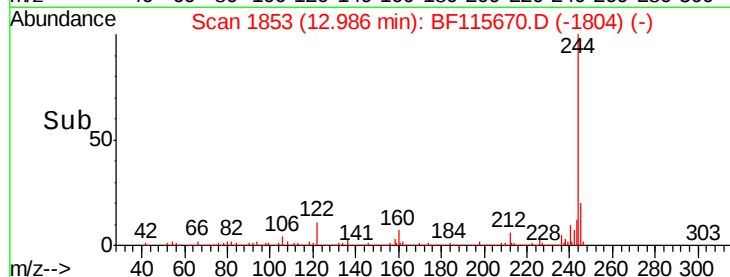
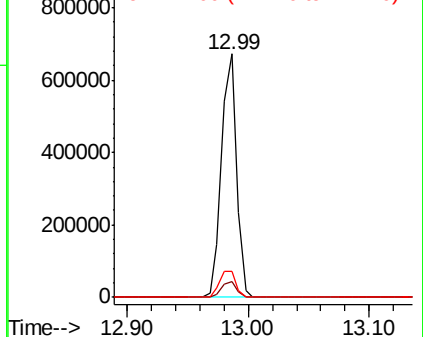
244 100

212 6.5 6.0 9.0

122 10.8 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: 2.983 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

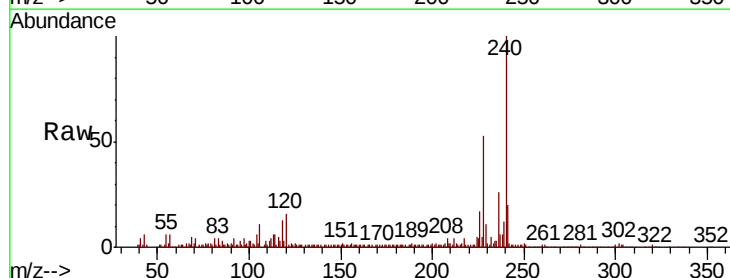
Tgt Ion:228 Resp: 76036

Ion Ratio Lower Upper

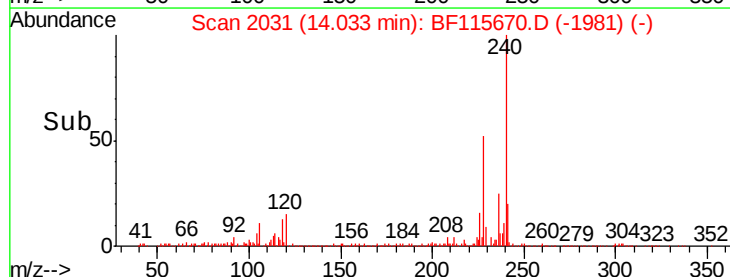
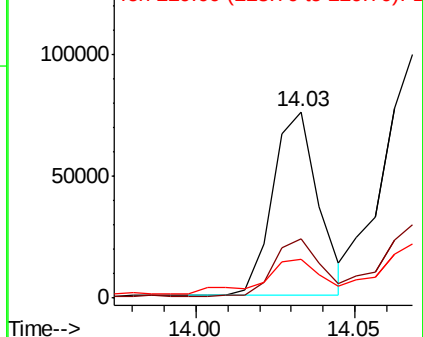
228 100

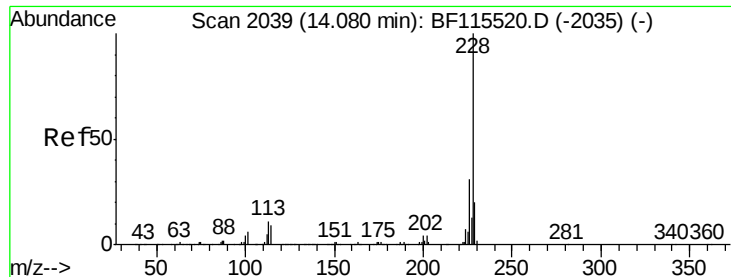
226 31.8 23.4 35.0

229 21.0 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: 3.861 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

Instrument :

BNA_F

ClientSampleId :

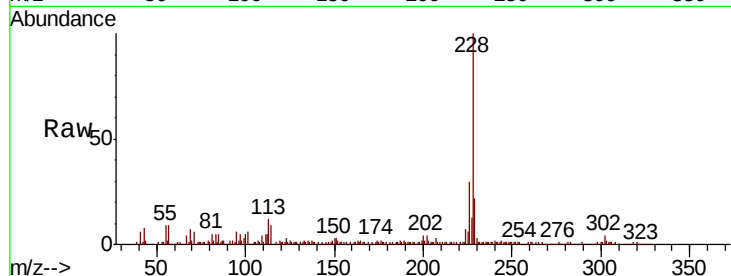
Tot Ion:228 Resp: 98782

Ion Ratio Lower Upper

228 100

226 30.1 25.7 38.5

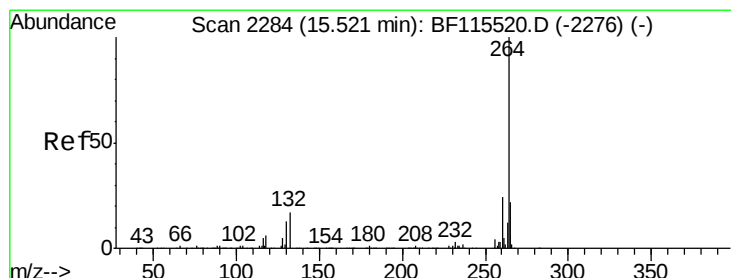
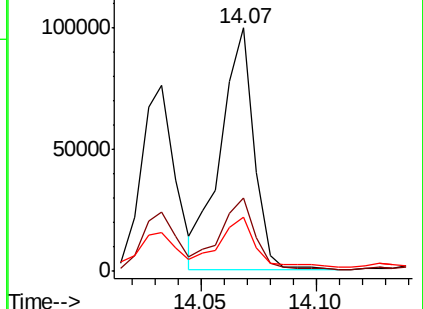
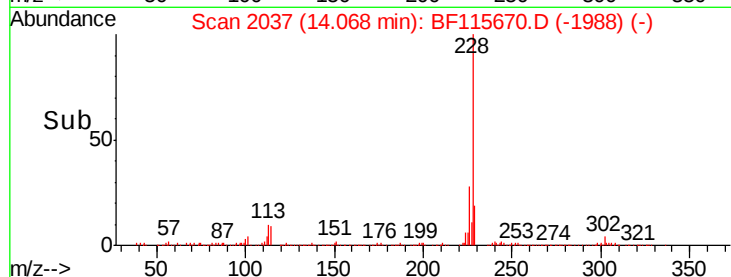
229 22.4 16.6 25.0



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: 15.52 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

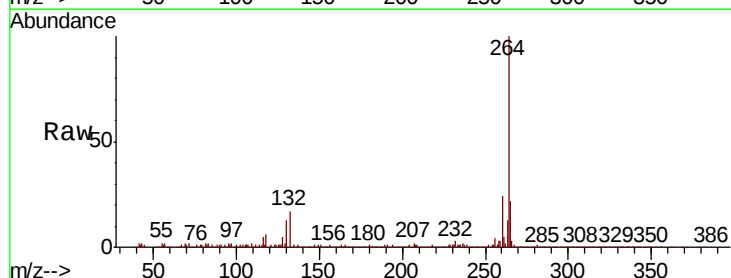
Tgt Ion:264 Resp: 435841

Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.8

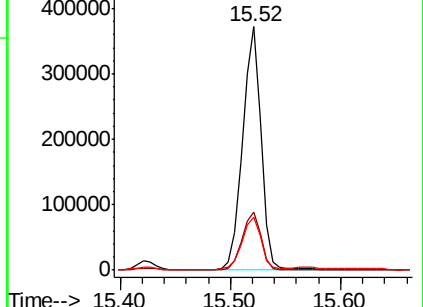
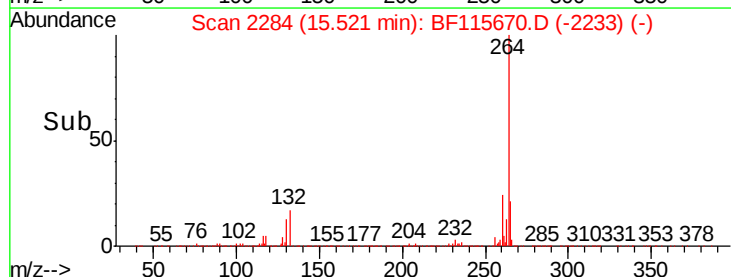
265 21.7 17.7 26.5

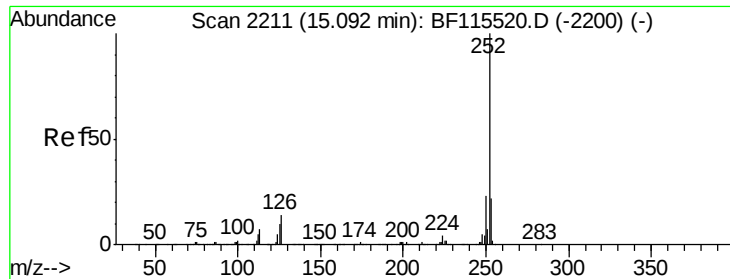


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

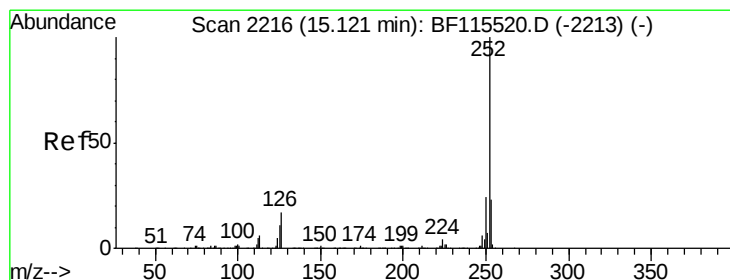
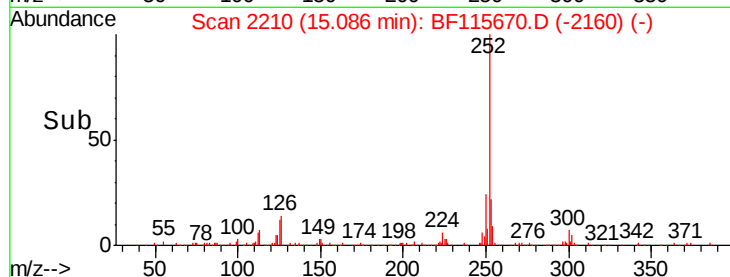
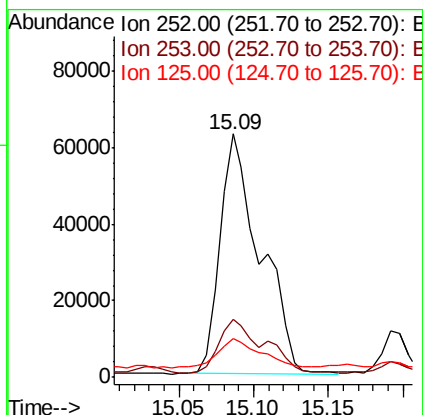
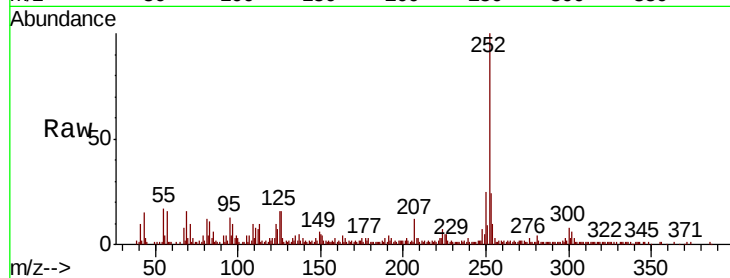




#88
Benzo(b)fluoranthene
Concen: 4.215 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

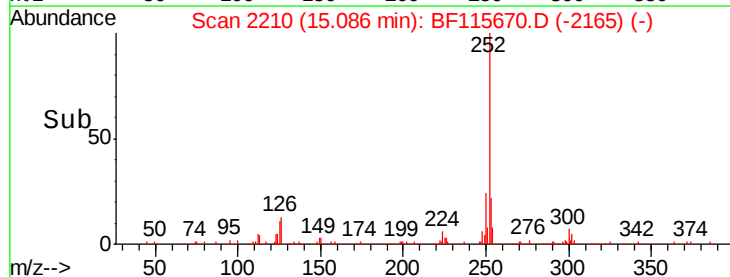
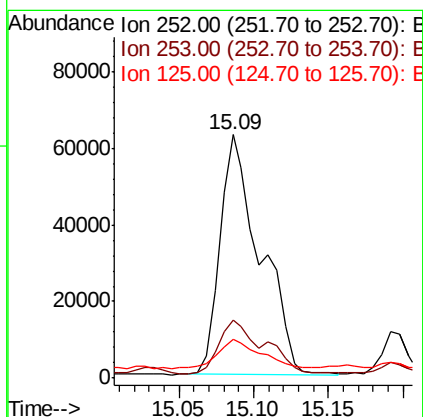
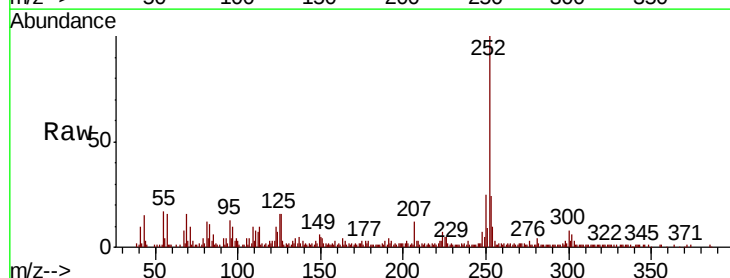
Instrument :
BNA_F
ClientSampleId :

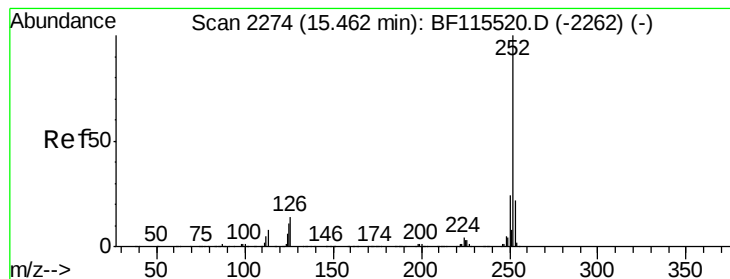
Tot Ion:252 Resp: 118282
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 15.9 9.0 13.4#



#89
Benzo(k)fluoranthene
Concen: 4.727 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115670.D
Acq: 19 Jul 2019 12:07

Tgt Ion:252 Resp: 118282
Ion Ratio Lower Upper
252 100
253 23.9 18.6 28.0
125 15.9 9.0 13.6#





#90

Benzo(a)pyrene

Concen: 2.894 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

Instrument :

BNA_F

ClientSampleId :

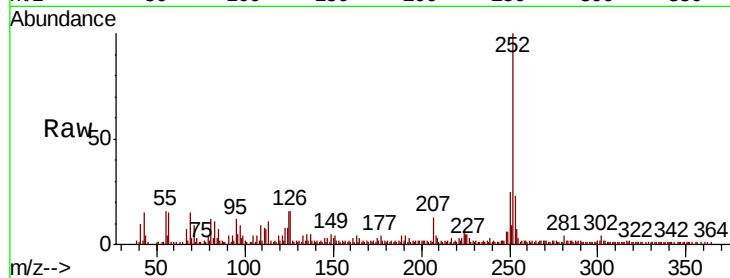
Tot Ion:252 Resp: 69799

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

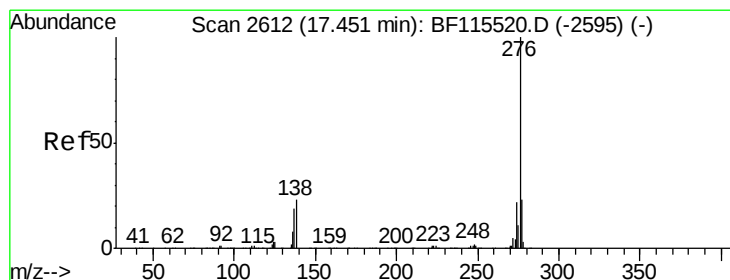
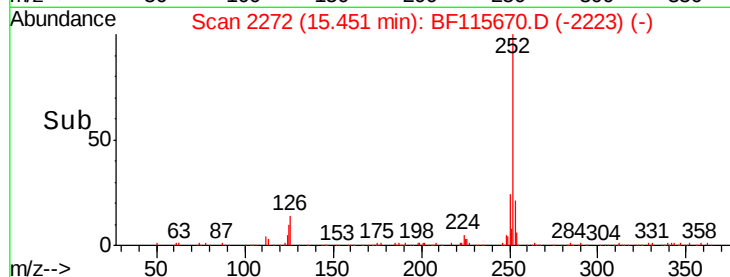
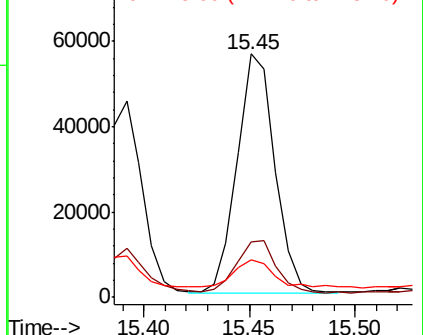
125 15.7 9.1 13.7#



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: 2.091 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF115670.D

Acq: 19 Jul 2019 12:07

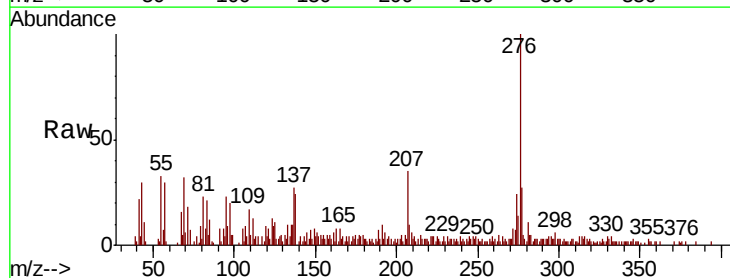
Tgt Ion:276 Resp: 44157

Ion Ratio Lower Upper

276 100

277 27.2 19.0 28.4

138 23.9 17.2 25.8



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

