

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115712.D
 Acq On : 22 Jul 2019 16:33
 Operator : HP/JU
 Sample : K3622-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 01:17:01 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	174050	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	672443	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	335403	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	513783	20.00	ng	0.00
76) Chrysene-d12	14.04	240	413219	20.00	ng	0.00
87) Perylene-d12	15.53	264	408624	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	411234	38.65	ng	0.00
7) Phenol-d6	6.50	99	547406	40.54	ng	-0.01
23) Nitrobenzene-d5	7.43	82	324084	28.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	125206	31.98	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	573765	29.94	ng	-0.02
79) Terphenyl-d14	12.99	244	497065	22.20	ng	-0.01

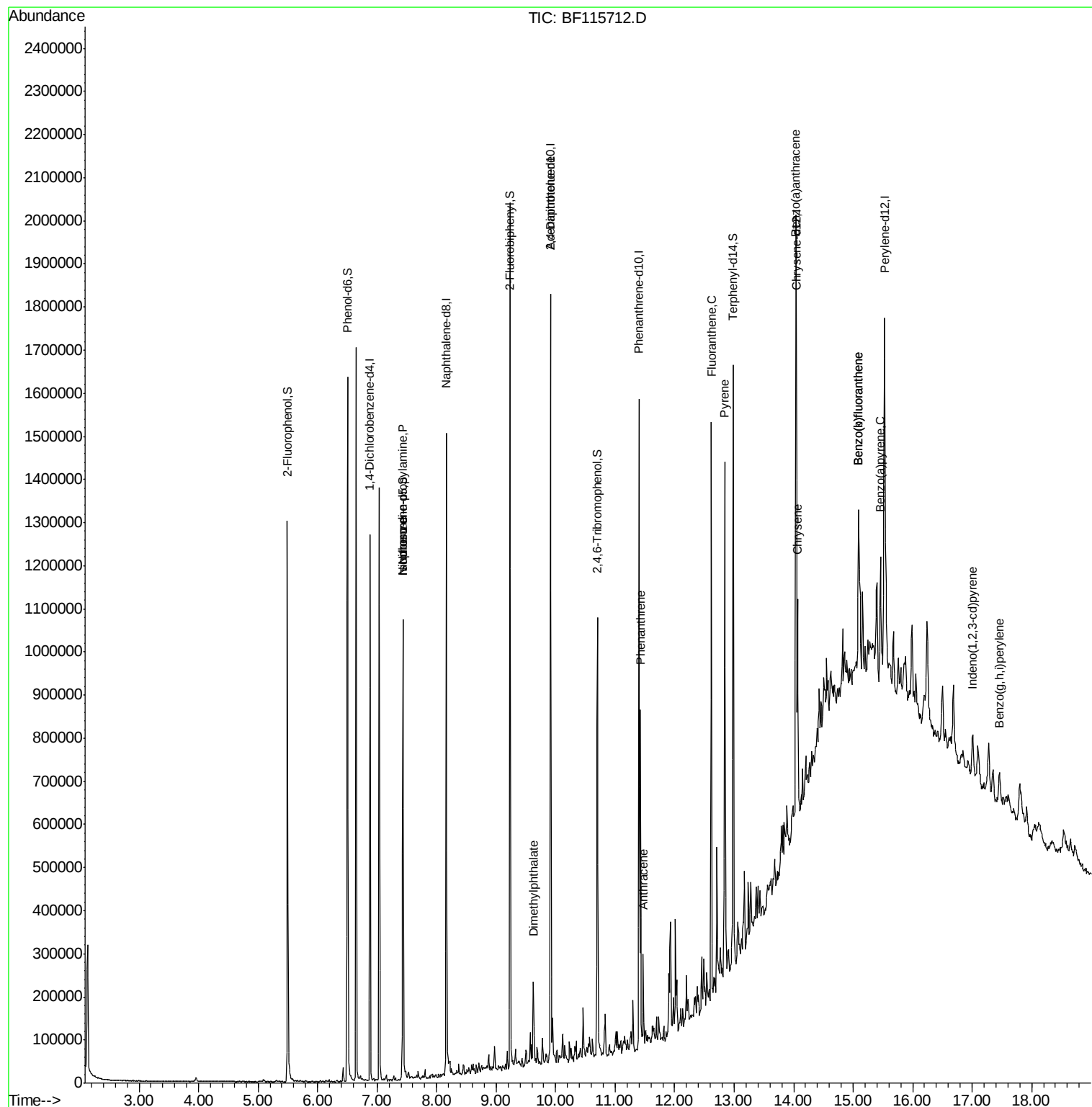
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	44695	5.076	ng	# 83
25) Isophorone	7.43	82	314248	13.580	ng	# 64
50) Dimethylphthalate	9.63	163	75860	3.006	ng	98
57) 2,4-Dinitrotoluene	9.92	165	44610	6.004	ng	# 24
71) Phenanthrene	11.43	178	272205	10.336	ng	97
72) Anthracene	11.47	178	82023	3.014	ng	99
75) Fluoranthene	12.62	202	487479	17.516	ng	98
78) Pyrene	12.84	202	473351	13.521	ng	97
81) Benzo(a)anthracene	14.03	228	226059	8.304	ng	99
83) Chrysene	14.07	228	187410	6.858	ng	95
86) Indeno(1,2,3-cd)pyrene	17.01	276	70041	3.017	ng	95
88) Benzo(b)fluoranthene	15.09	252	274191	10.421	ng	# 94
89) Benzo(k)fluoranthene	15.09	252	274191	11.688	ng	# 95
90) Benzo(a)pyrene	15.46	252	150106	6.637	ng	# 92
92) Benzo(a,h,i)perylene	17.46	276	66503	3.359	ng	# 90

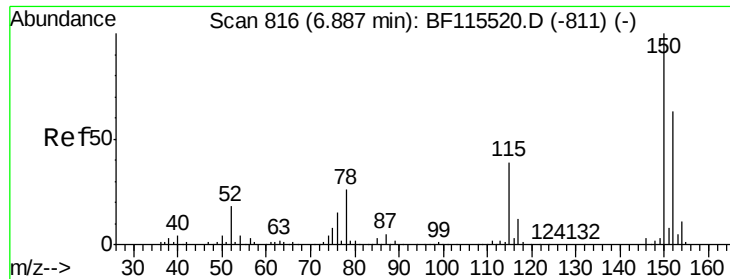
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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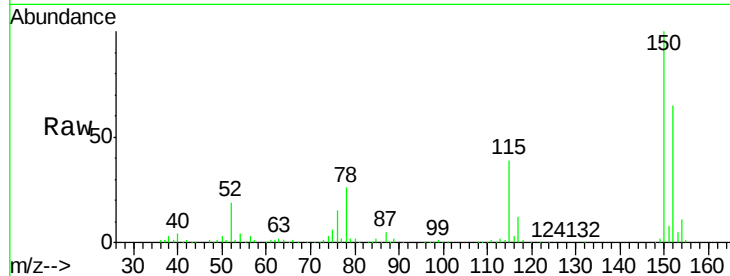


#1

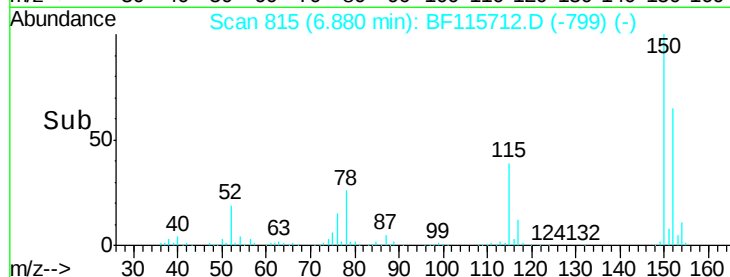
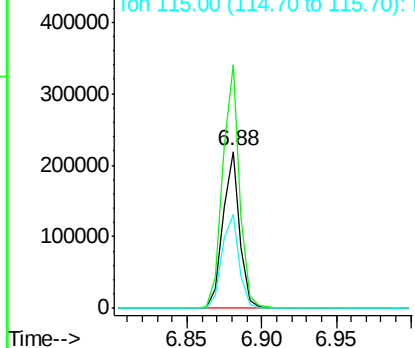
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174050
Ion Ratio Lower Upper
152 100
150 154.9 129.7 194.5
115 59.8 48.2 72.4



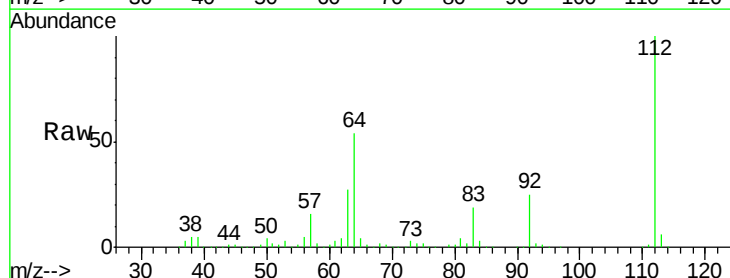
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



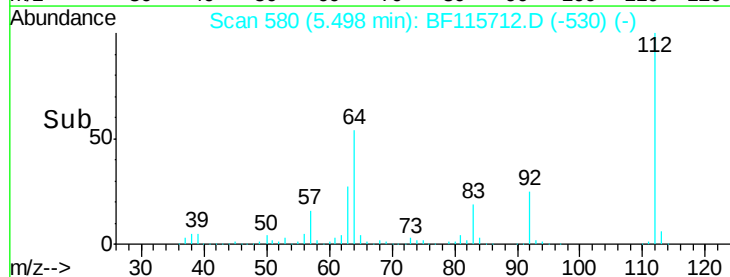
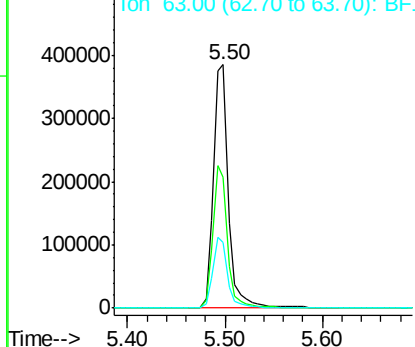
#5

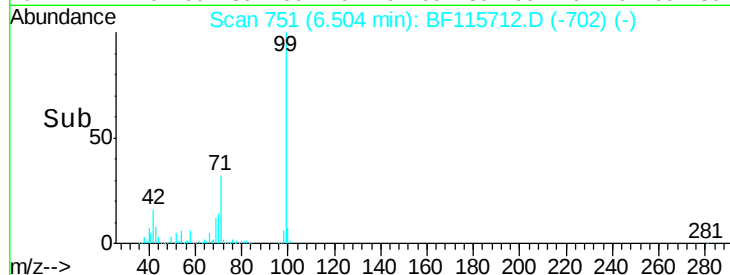
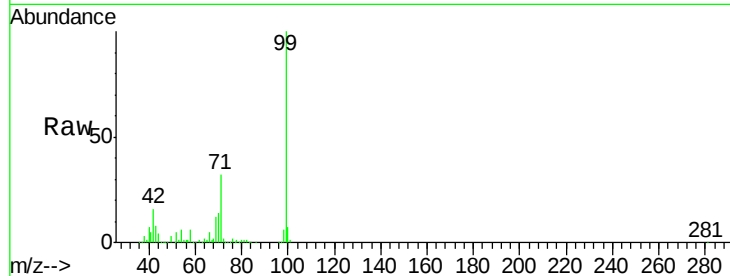
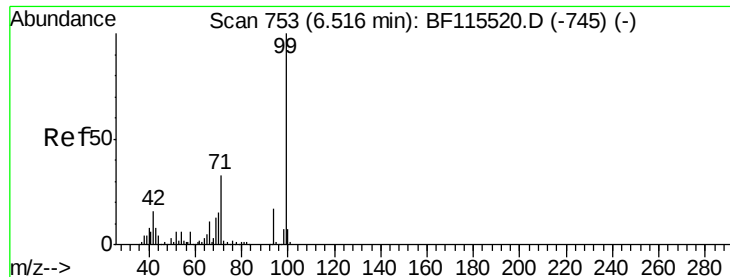
2-Fluorophenol
Concen: 38.647 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion:112 Resp: 411234
Ion Ratio Lower Upper
112 100
64 54.0 46.8 70.2
63 27.2 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: 40.543 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampleId :

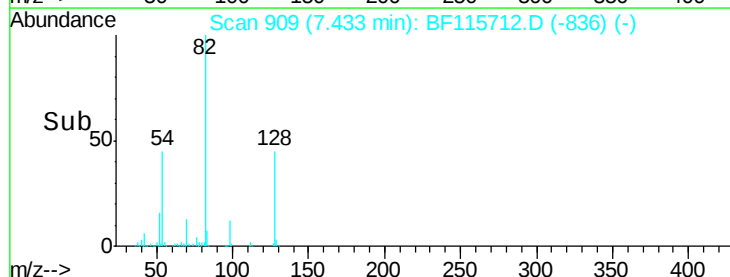
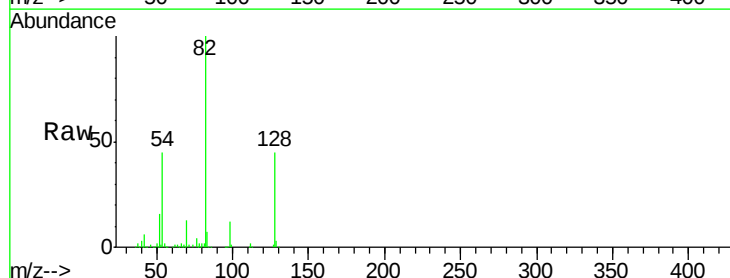
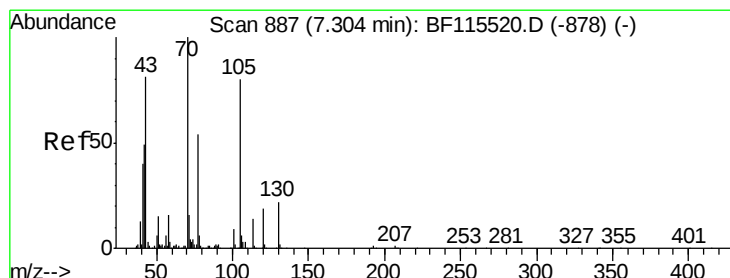
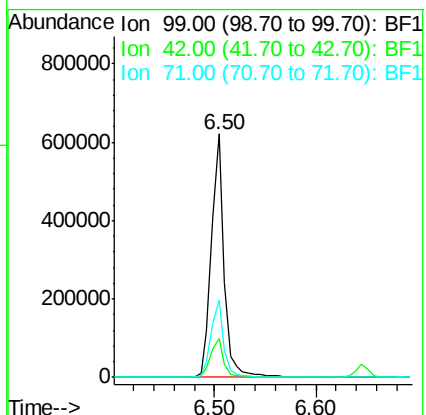
Tot Ion: 99 Resp: 547406

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

71 31.8 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.076 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Tgt Ion: 70 Resp: 44695

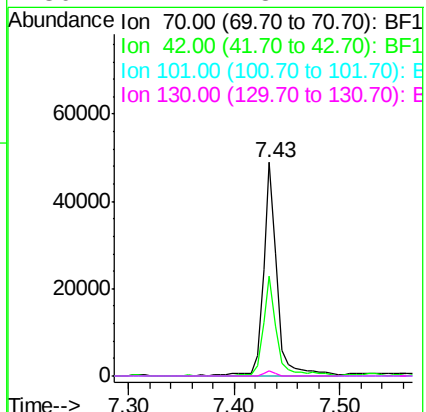
Ion Ratio Lower Upper

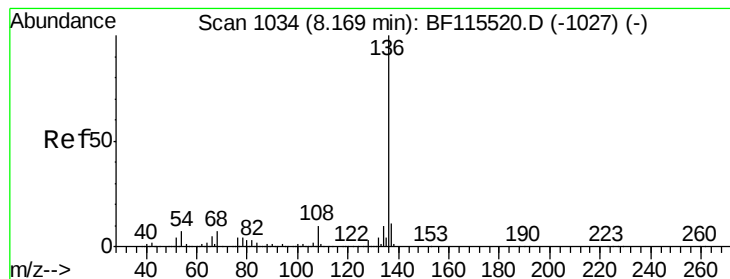
70 100

42 47.0 39.6 59.4

101 0.0 8.1 12.1#

130 2.4 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampleID :

Tot Ion:136 Resp: 672443

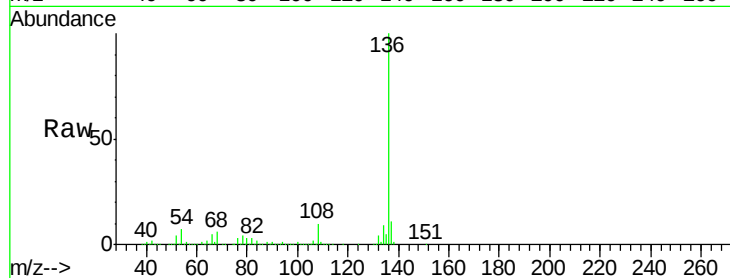
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.6 5.6 8.4

68 6.0 5.0 7.6

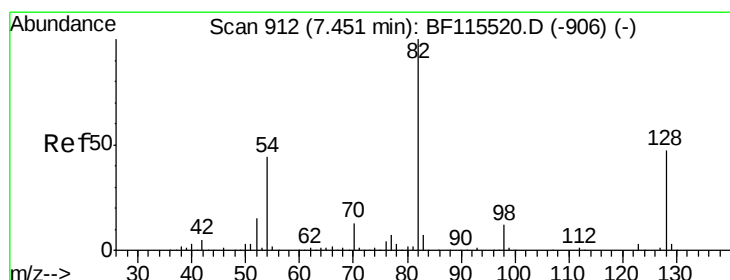
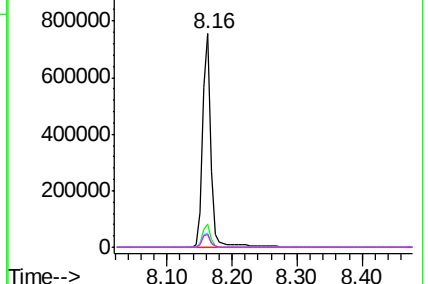
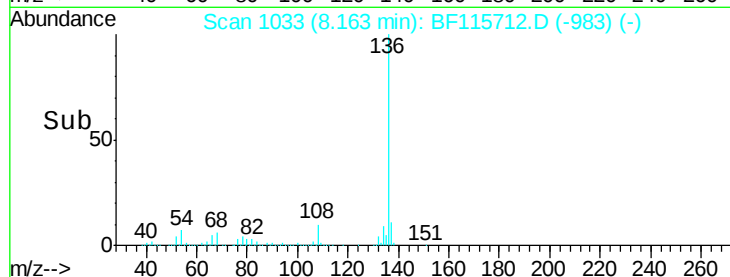


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.024 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

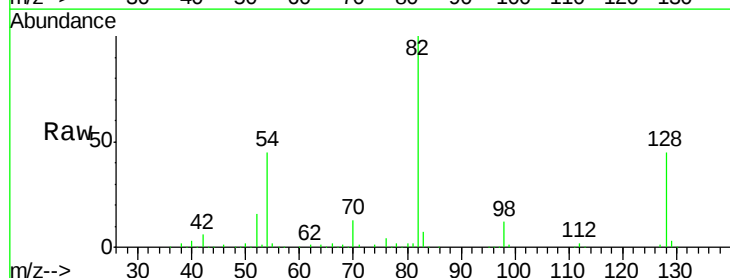
Tgt Ion: 82 Resp: 324084

Ion Ratio Lower Upper

82 100

128 44.8 38.6 57.8

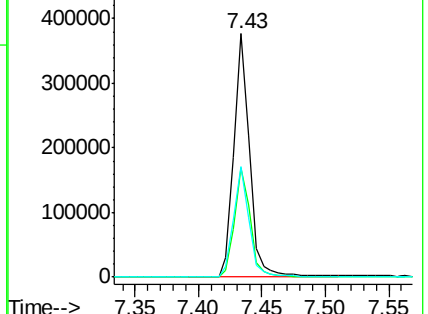
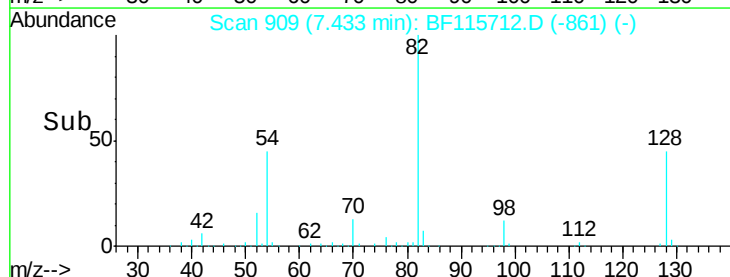
54 45.2 35.6 53.4



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: 13.580 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampled :

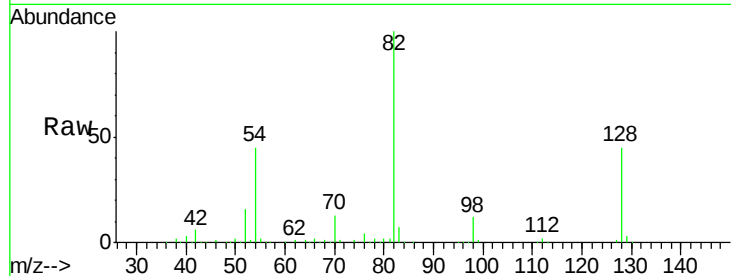
Tot Ion: 82 Resp: 314248

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

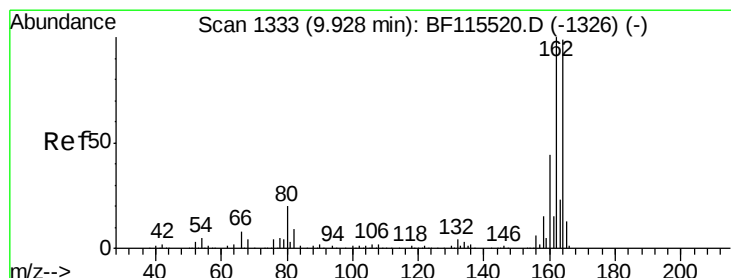
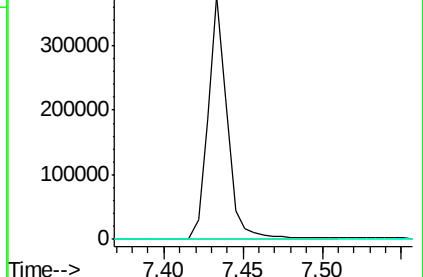
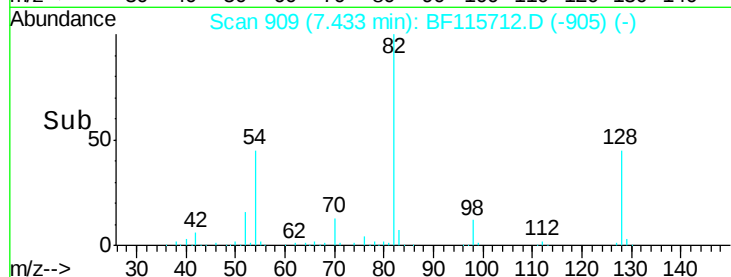
138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

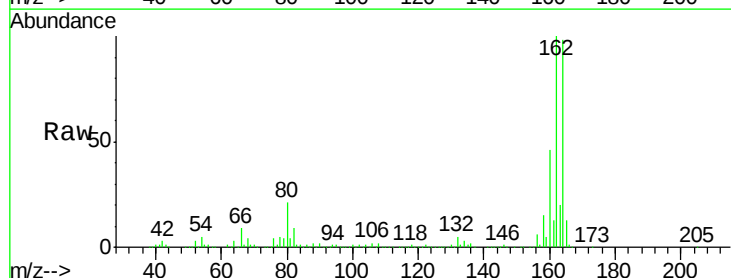
Tgt Ion:164 Resp: 335403

Ion Ratio Lower Upper

164 100

162 102.0 82.9 124.3

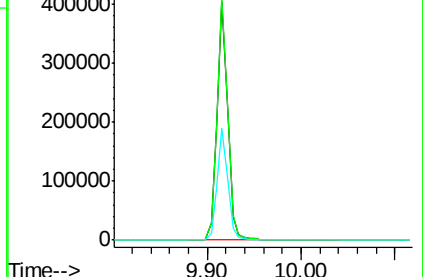
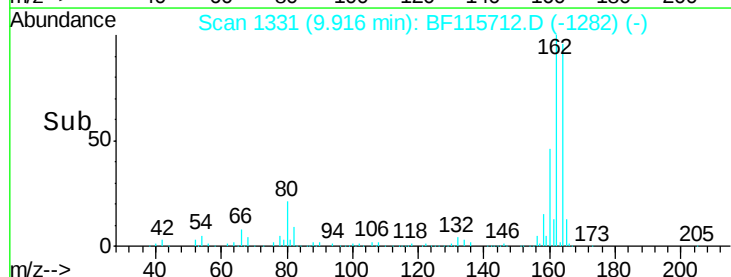
160 46.8 36.8 55.2

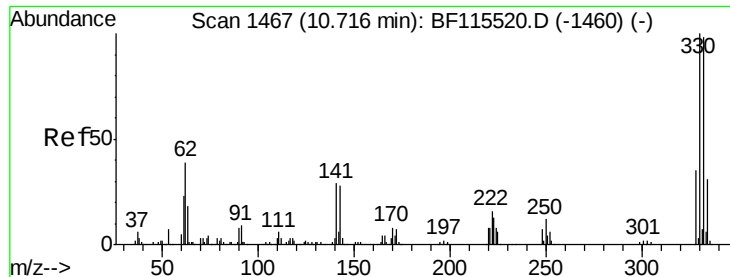


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

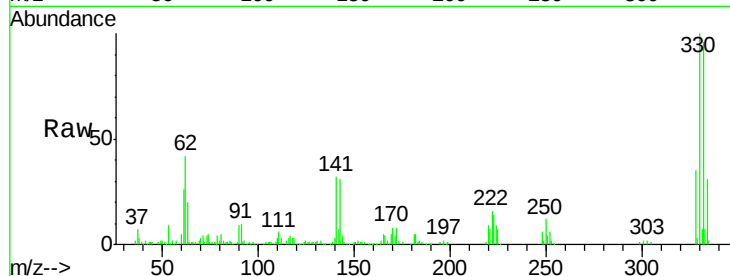




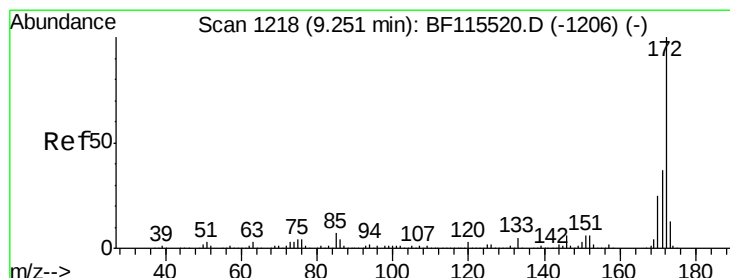
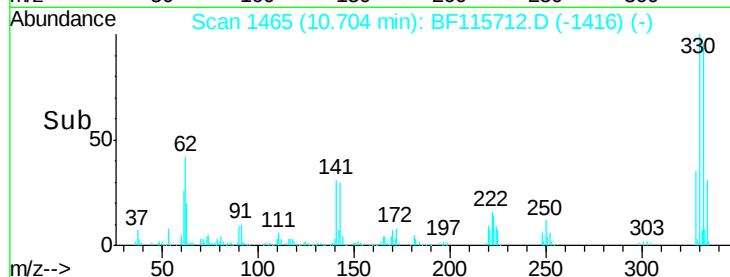
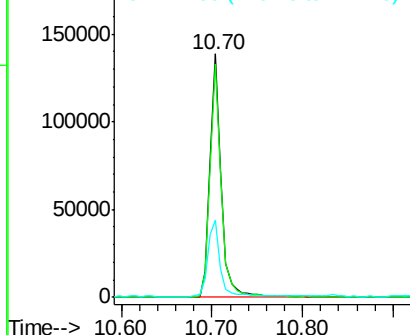
#42
 2,4,6-Tribromophenol
 Concen: 31.981 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115712.D
 Acq: 22 Jul 2019 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.2
141	33.8	22.4	33.6#

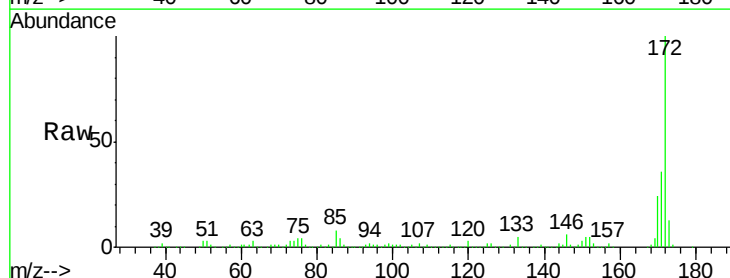


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

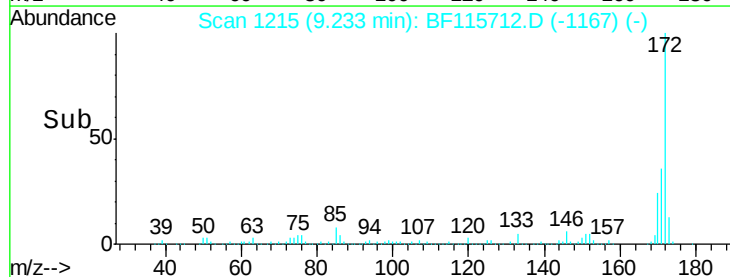
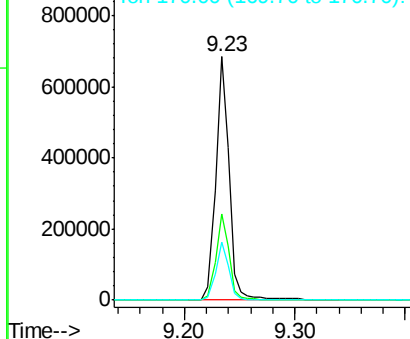


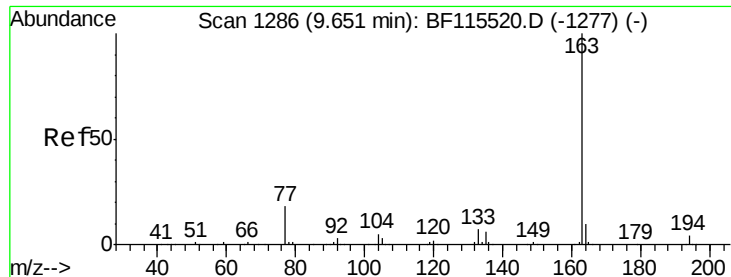
#45
 2-Fluorobiphenyl
 Concen: 29.942 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115712.D
 Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.6	46.0
170	23.8	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

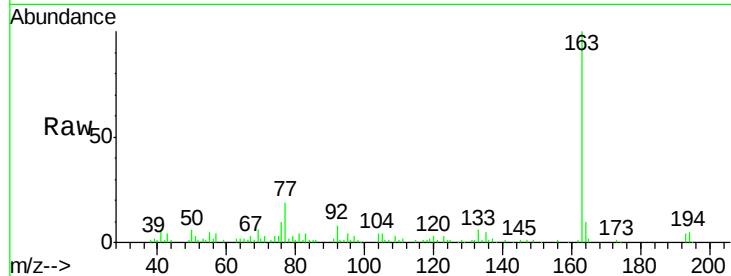




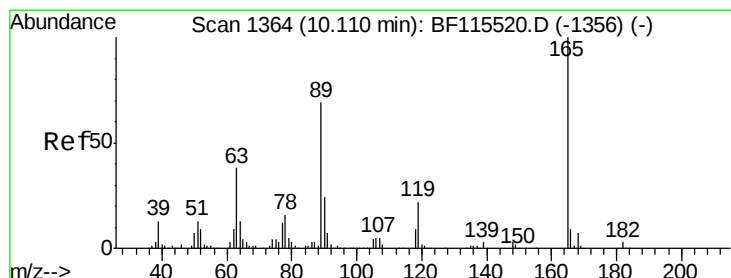
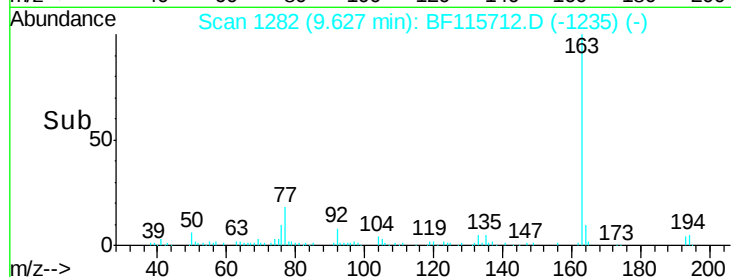
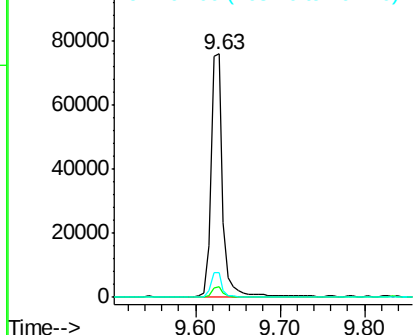
#50
Dimethylphthalate
Concen: 3.006 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 75860
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.2 8.7 13.1

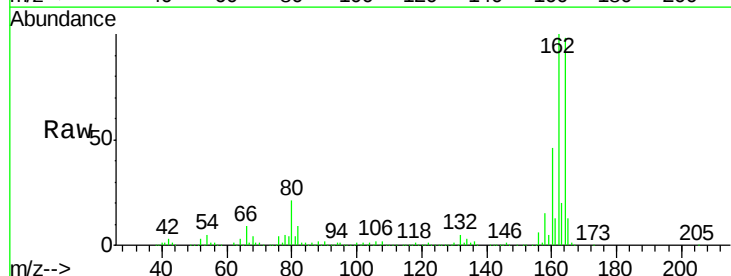


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

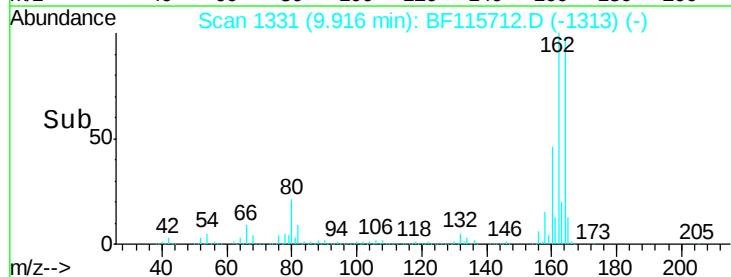
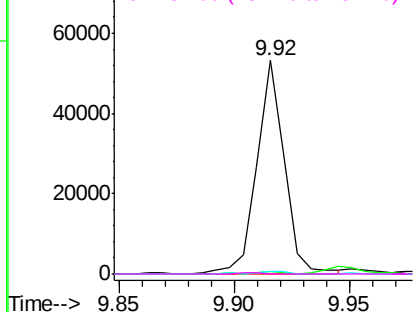


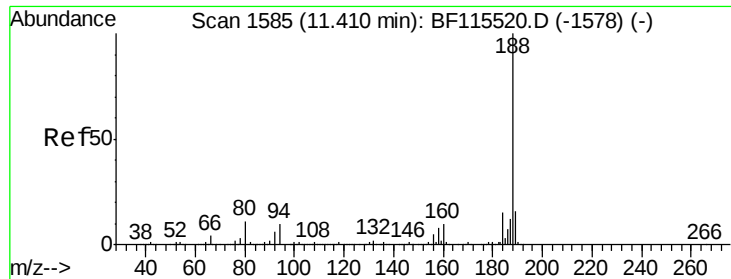
#57
2,4-Dinitrotoluene
Concen: 6.004 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion:165 Resp: 44610
Ion Ratio Lower Upper
165 100
63 1.2 34.9 52.3#
89 1.2 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: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampleId :

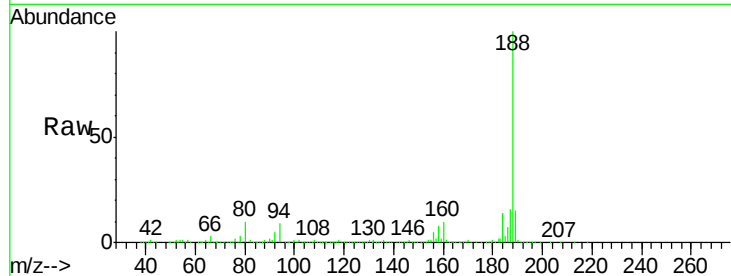
Tot Ion:188 Resp: 513783

Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.6

80 9.9 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

11.40

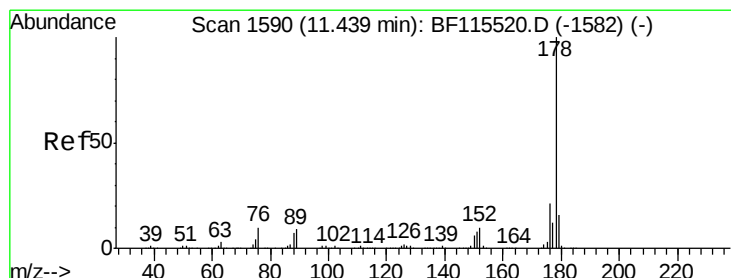
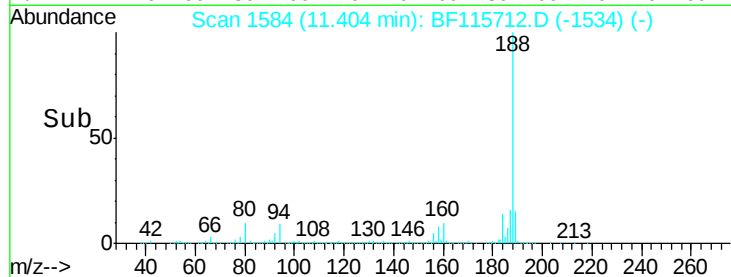
600000

400000

200000

0

Time--> 11.35 11.40 11.45



#71

Phenanthrene

Concen: 10.336 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

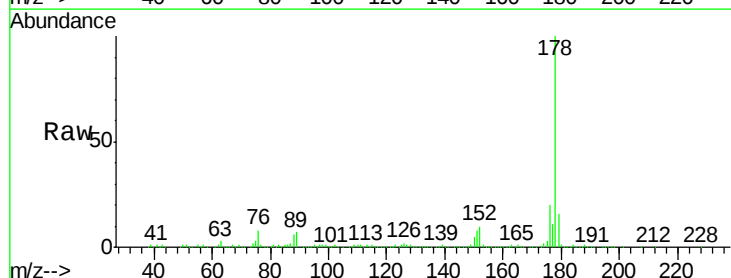
Tgt Ion:178 Resp: 272205

Ion Ratio Lower Upper

178 100

176 19.7 17.2 25.8

179 15.6 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

11.43

400000

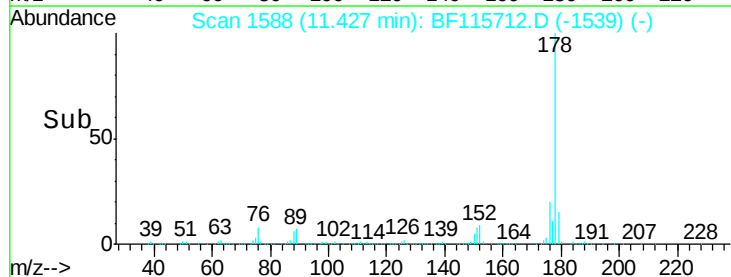
300000

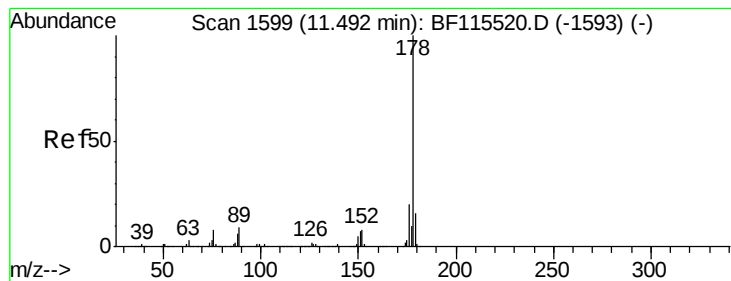
200000

100000

0

Time--> 11.40 11.45





#72

Anthracene

Concen: 3.014 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampleId :

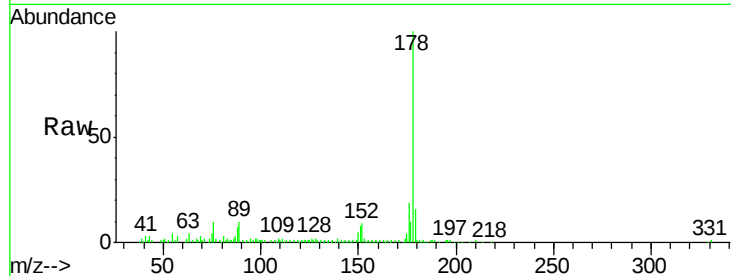
Tot Ion:178 Resp: 82023

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

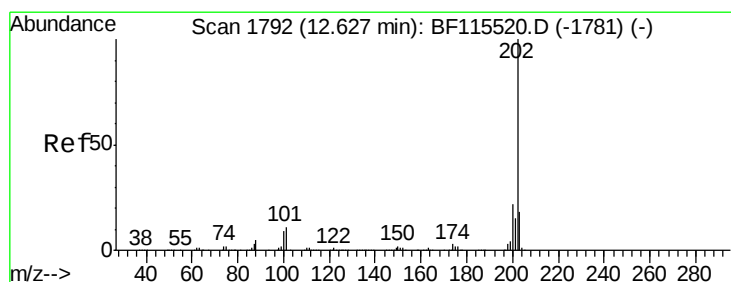
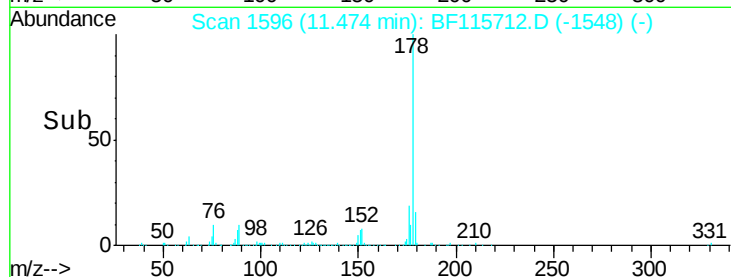
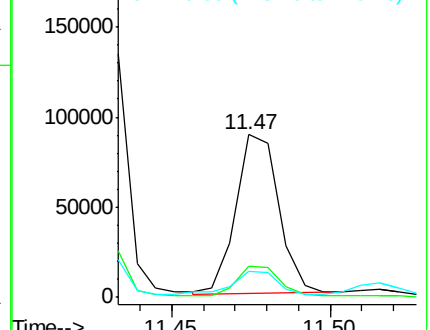
179 16.2 12.7 19.1



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: 17.516 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

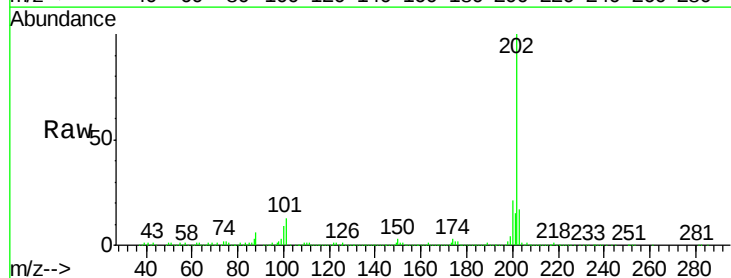
Tgt Ion:202 Resp: 487479

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.4

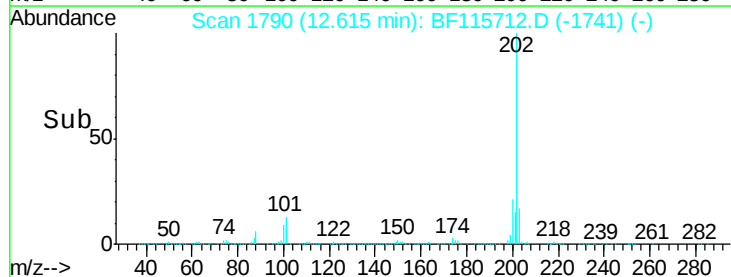
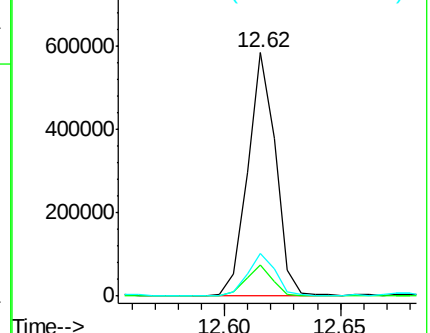
203 17.4 0.0 38.1

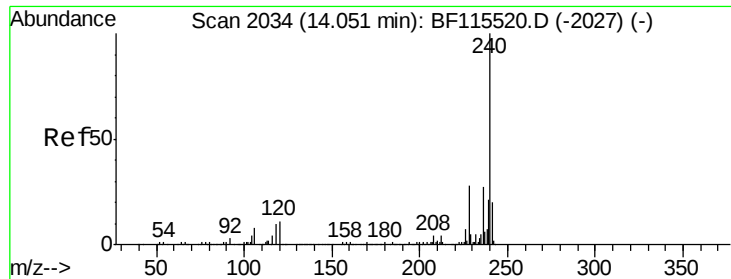


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampleId :

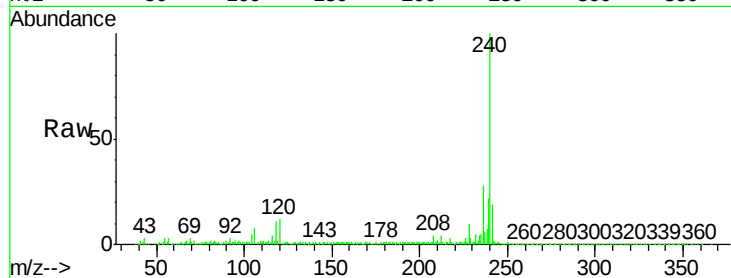
Tot Ion:240 Resp: 413219

Ion Ratio Lower Upper

240 100

120 11.8 8.6 13.0

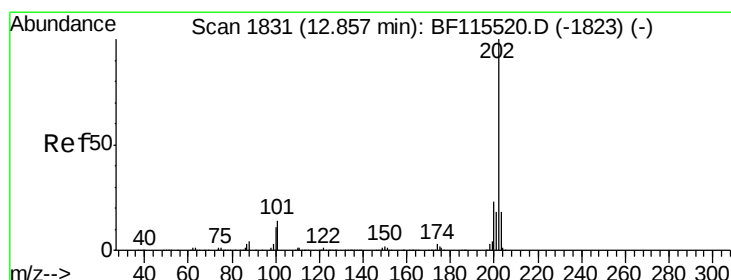
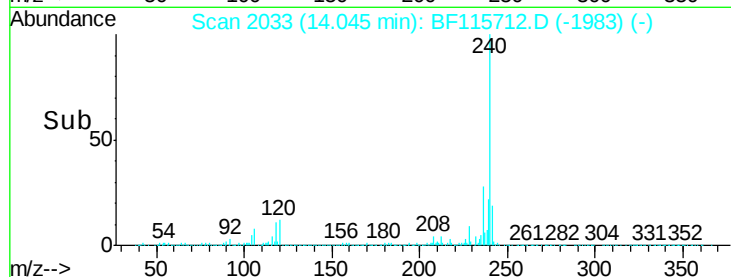
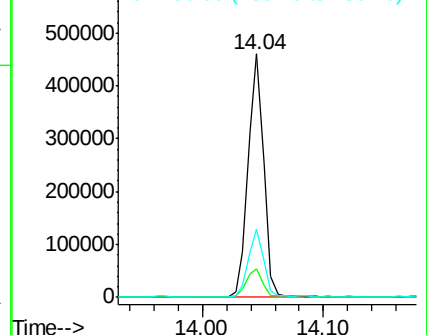
236 27.8 21.3 31.9



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: 13.521 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

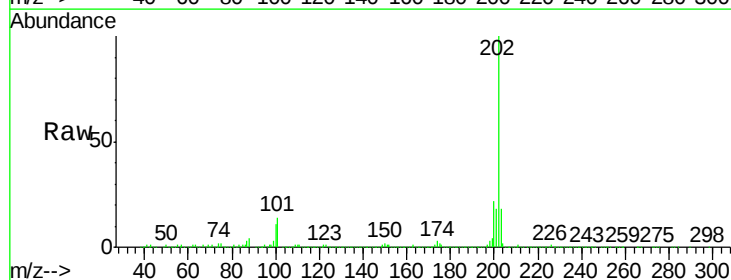
Tgt Ion:202 Resp: 473351

Ion Ratio Lower Upper

202 100

200 21.9 18.7 28.1

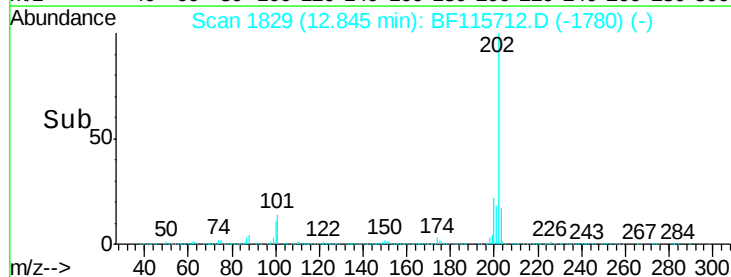
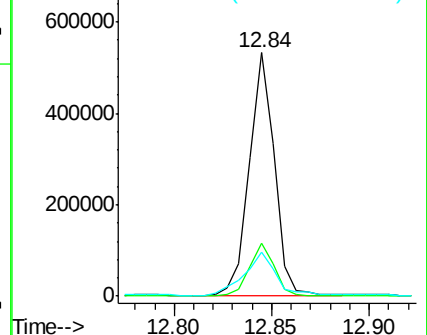
203 18.0 15.2 22.8

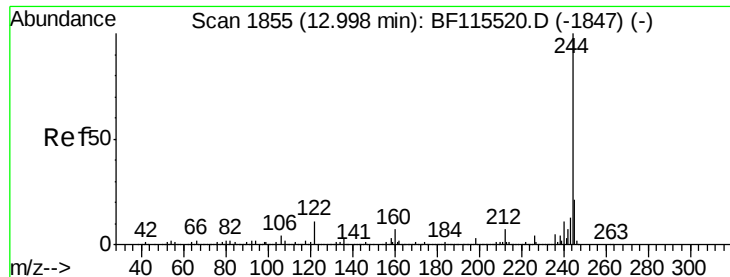


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 22.196 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

Instrument :

BNA_F

ClientSampleId :

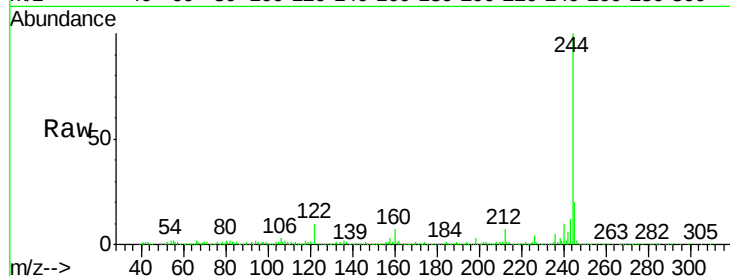
Tot Ion:244 Resp: 497065

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

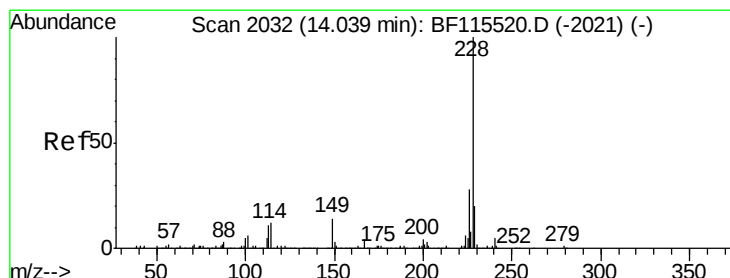
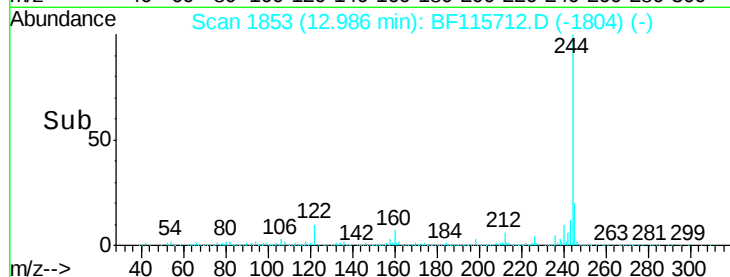
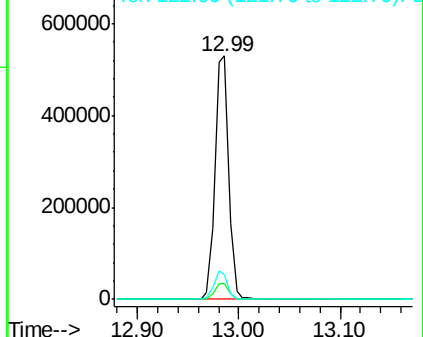
122 10.3 8.6 12.8



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: 8.304 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115712.D

Acq: 22 Jul 2019 16:33

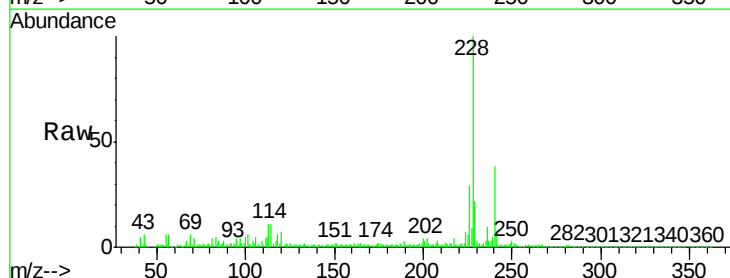
Tgt Ion:228 Resp: 226059

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

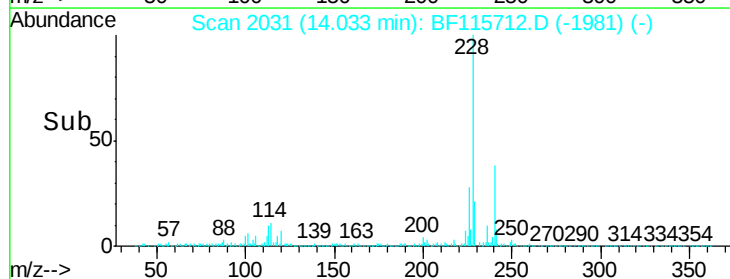
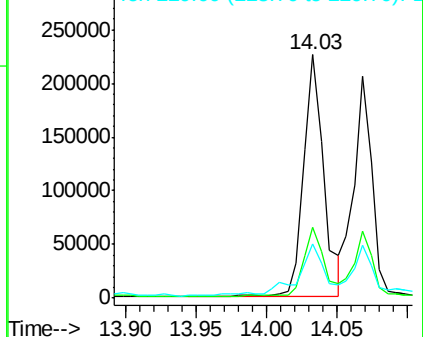
229 22.1 17.2 25.8

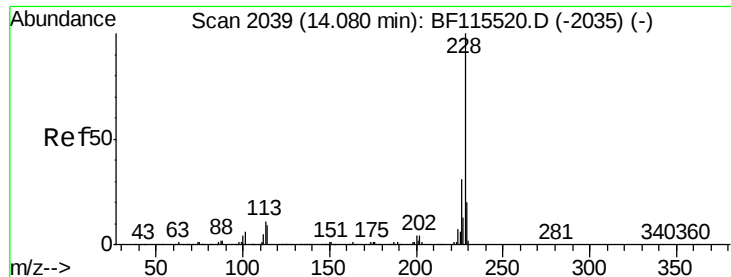


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

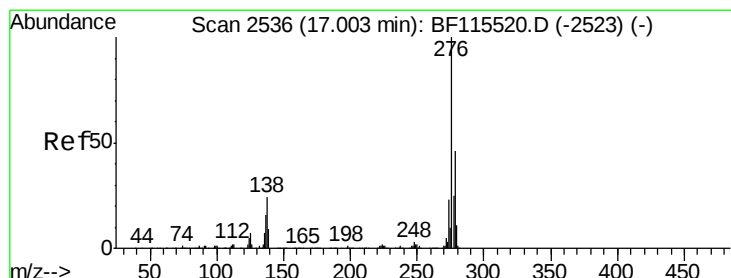
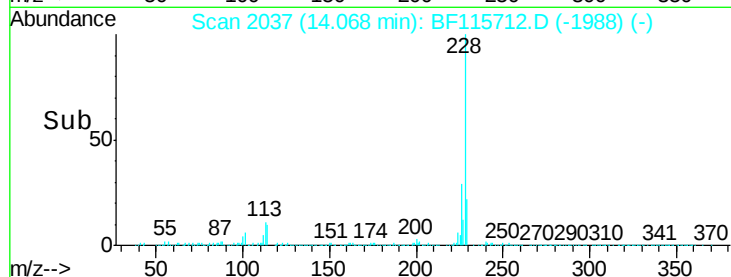
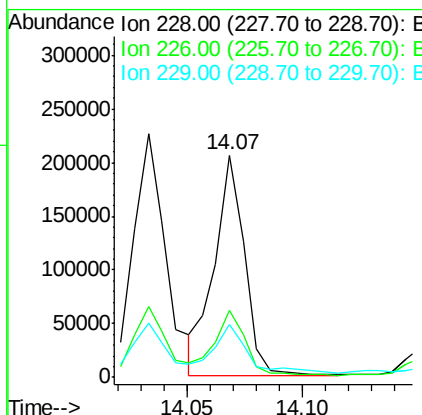
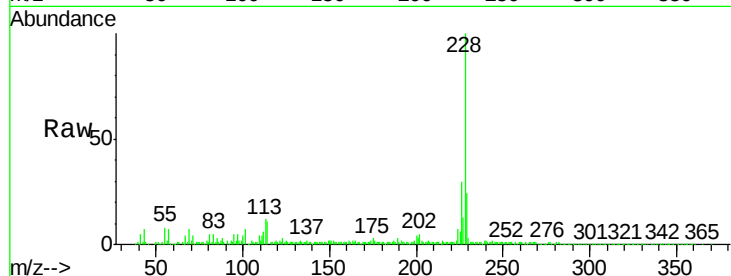




#83
Chrysene
Concen: 6.858 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

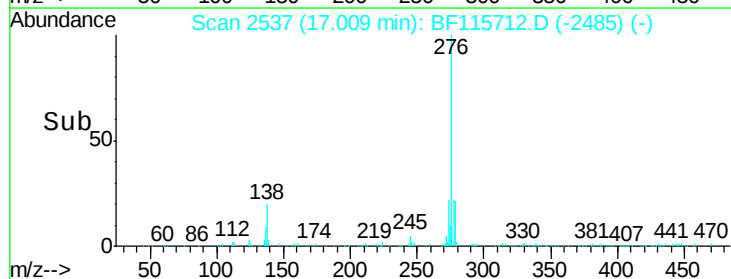
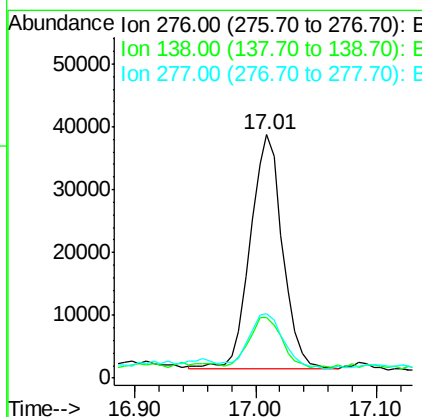
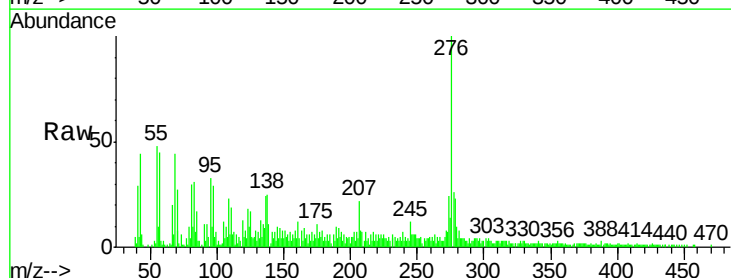
Instrument :
BNA_F
ClientSampleId :

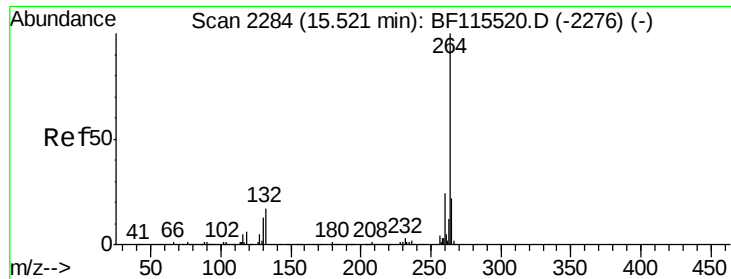
Tot Ion:228 Resp: 187410
Ion Ratio Lower Upper
228 100
226 30.0 25.7 38.5
229 24.0 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.017 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion:276 Resp: 70041
Ion Ratio Lower Upper
276 100
138 21.0 20.2 30.2
277 25.1 20.4 30.6



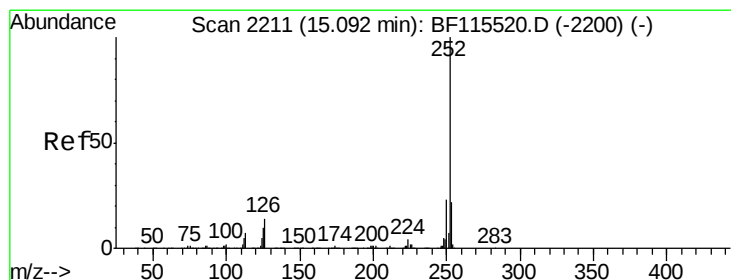
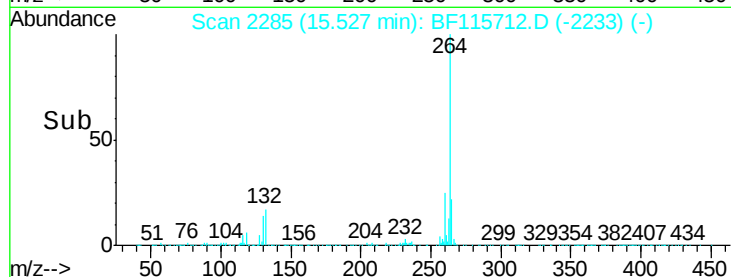
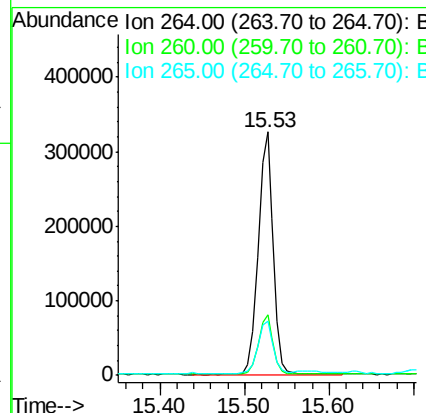
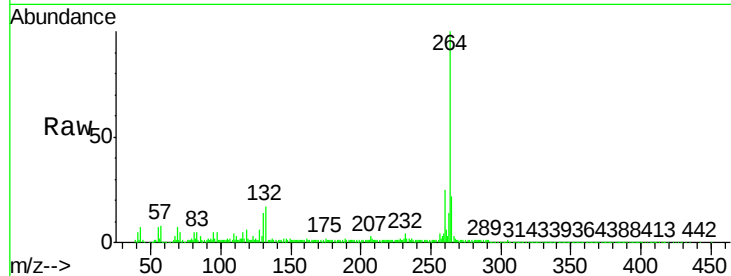


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 408624

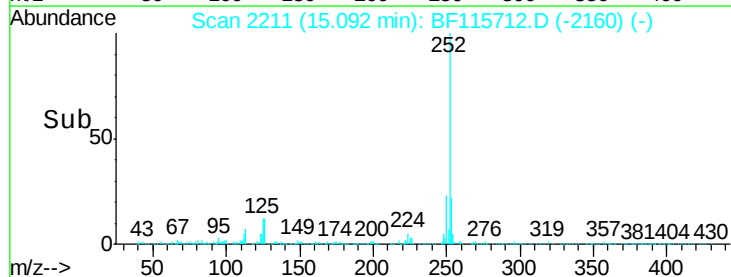
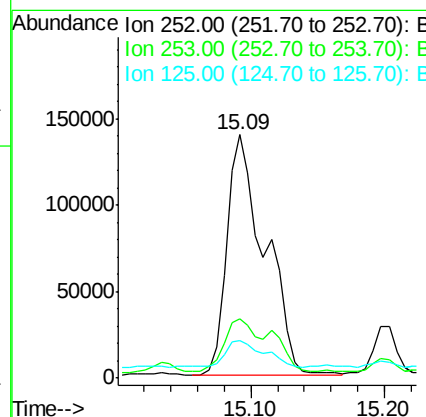
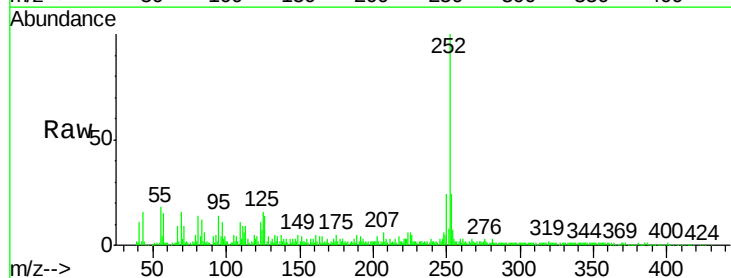
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	22.4	17.7	26.5

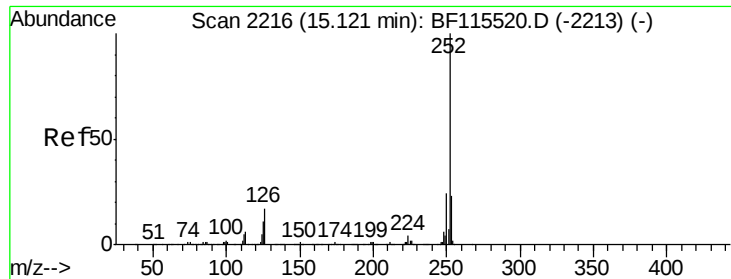


#88
Benzo(b)fluoranthene
Concen: 10.421 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion:252 Resp: 274191

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	15.5	9.0	13.4#

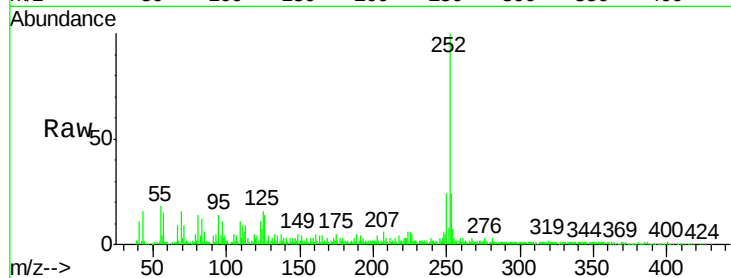




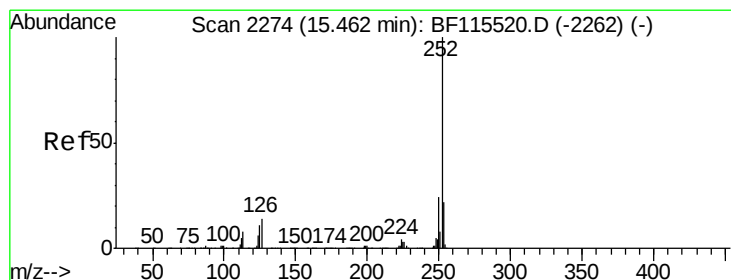
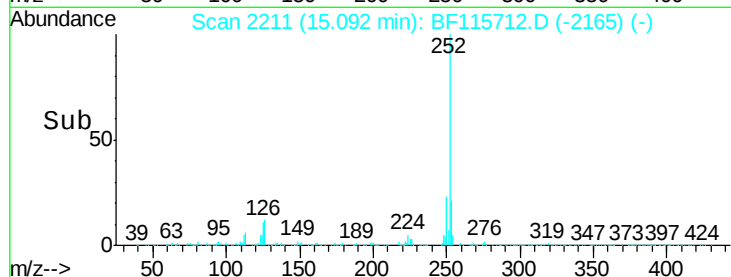
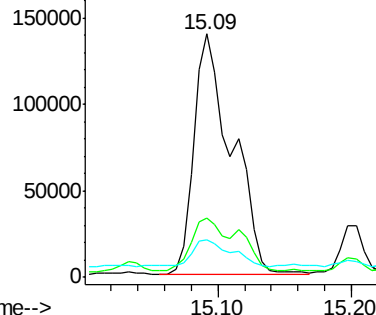
#89
Benzo(k)fluoranthene
Concen: 11.688 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	28.0
125	15.5	9.0	13.6

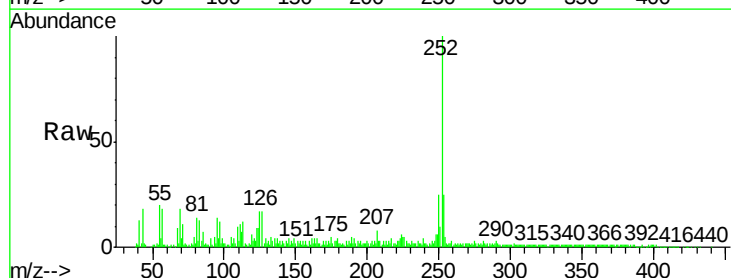


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

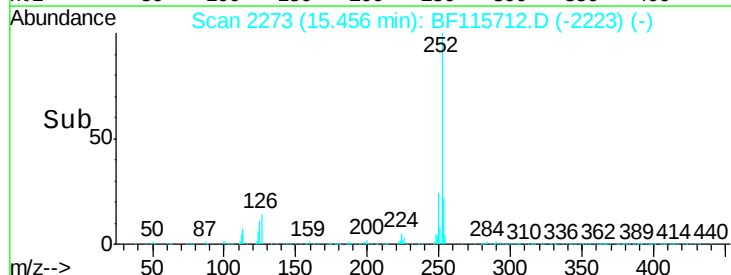
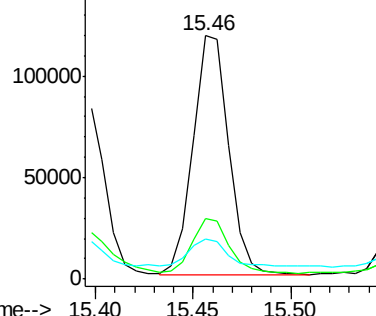


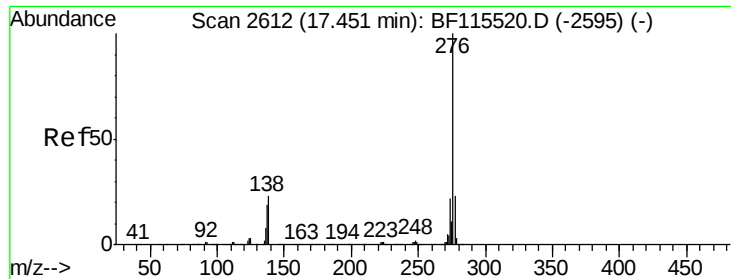
#90
Benzo(a)pyrene
Concen: 6.637 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115712.D
Acq: 22 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	16.6	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

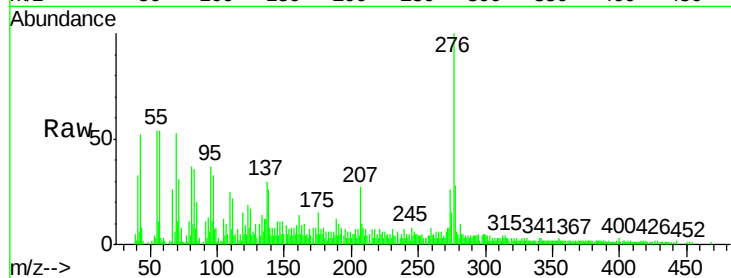




#92
 Benzo(a,h,i)perylene
 Concen: 3.359 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.01 min
 Lab File: BF115712.D
 Acq: 22 Jul 2019 16:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	28.4	19.0	28.4	
138	26.1	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

