

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115611.D
 Acq On : 16 Jul 2019 21:31
 Operator : HP/JU
 Sample : K3623-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:55:44 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	6.89	152	203311	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	716966	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	327682	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	618915	20.00	ng	0.00
76) Chrysene-d12	14.04	240	521219	20.00	ng	0.00
87) Perylene-d12	15.52	264	404816	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	440201	35.42	ng	0.00
7) Phenol-d6	6.50	99	549918	34.87	ng	-0.01
23) Nitrobenzene-d5	7.44	82	330164	26.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	128554	33.61	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	606973	32.42	ng	-0.01
79) Terphenyl-d14	12.99	244	668983	23.68	ng	-0.01

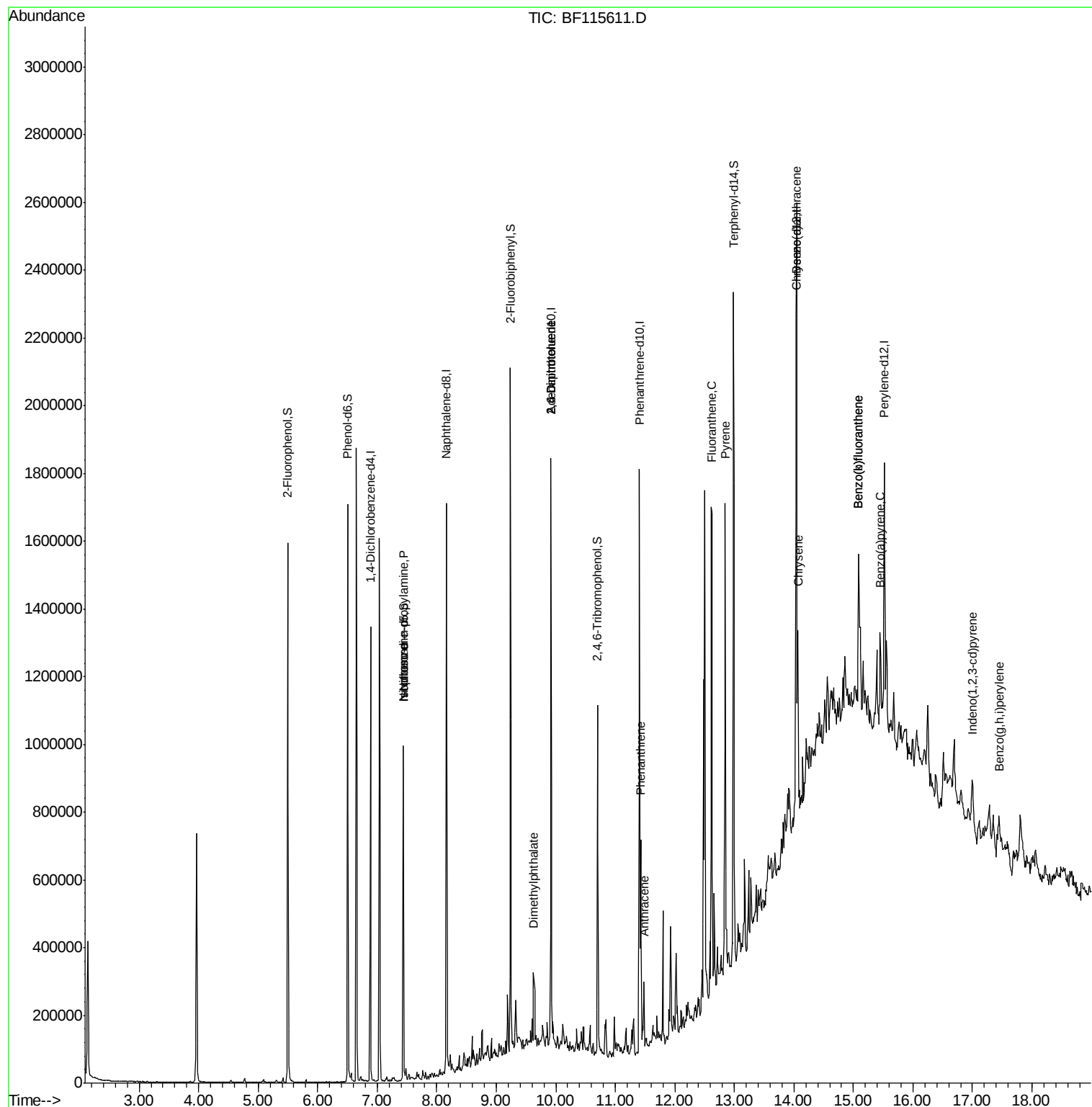
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	43979	4.276	ng	# 77
25) Isophorone	7.44	82	325983	13.212	ng	# 64
50) Dimethylphthalate	9.63	163	76992	3.123	ng	97
51) 2,6-Dinitrotoluene	9.92	165	44271	7.902	ng	# 28
57) 2,4-Dinitrotoluene	9.92	165	44672	6.154	ng	# 25
71) Phenanthrene	11.43	178	203077	6.401	ng	97
72) Anthracene	11.48	178	70198	2.141	ng	98
75) Fluoranthene	12.62	202	585707	17.471	ng	98
78) Pyrene	12.84	202	582135	13.183	ng	97
81) Benzo(a)anthracene	14.03	228	242642	7.066	ng	99
83) Chrysene	14.07	228	202981	5.889	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	89067	3.041	ng	97
88) Benzo(b)fluoranthene	15.09	252	312652	11.994	ng	# 88
89) Benzo(k)fluoranthene	15.09	252	312652	13.453	ng	# 89
90) Benzo(a)pyrene	15.46	252	153802	6.865	ng	# 92
92) Benzo(g,h,i)perylene	17.44	276	86231	4.396	ng	# 92

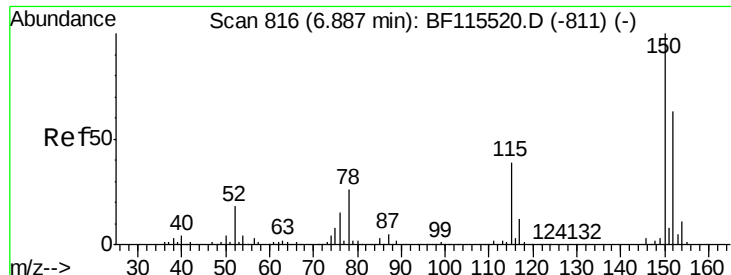
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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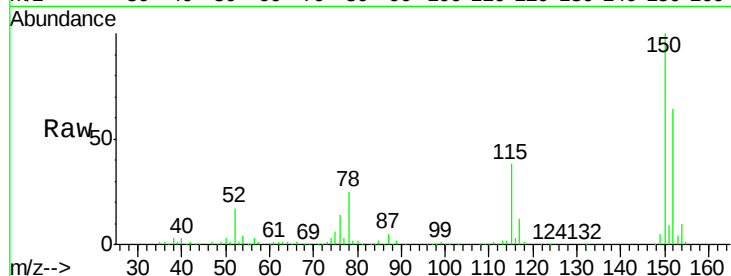


#1

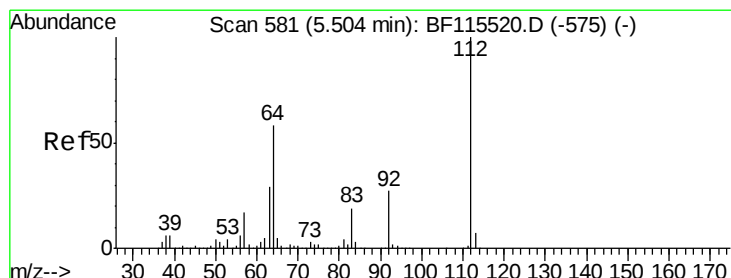
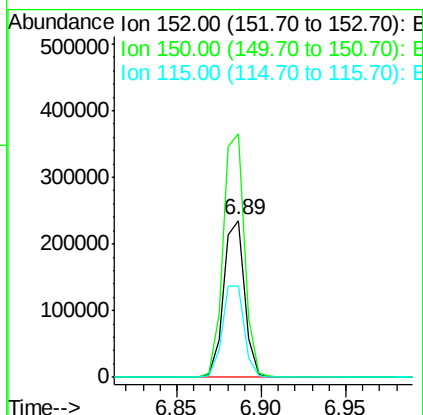
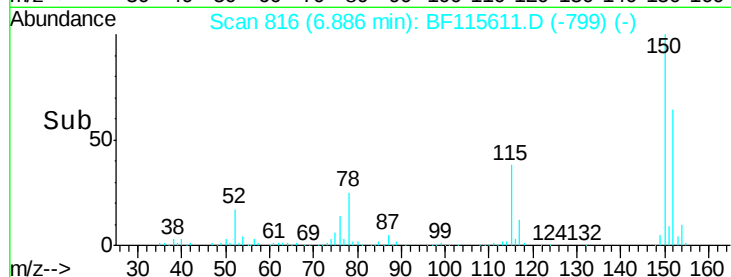
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 203311
Ion Ratio Lower Upper
152 100
150 155.5 129.7 194.5
115 58.4 48.2 72.4



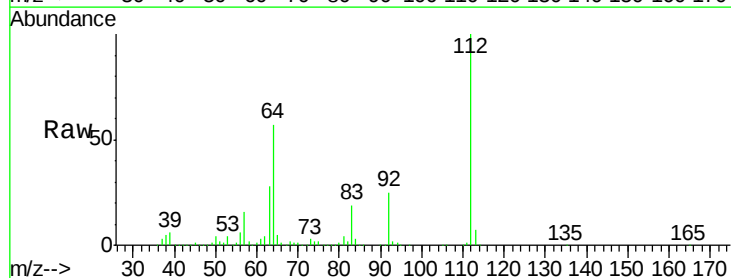
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



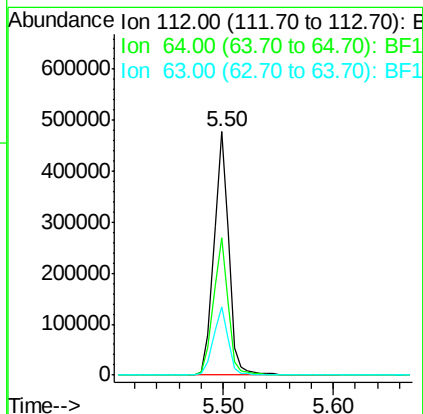
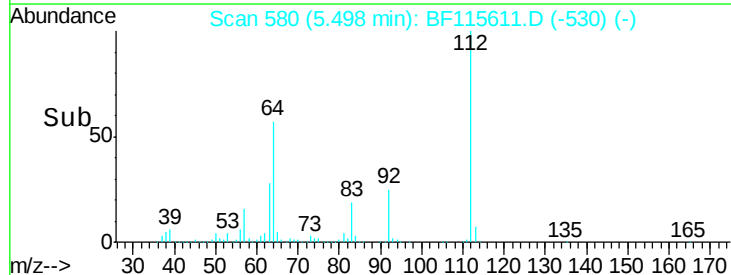
#5

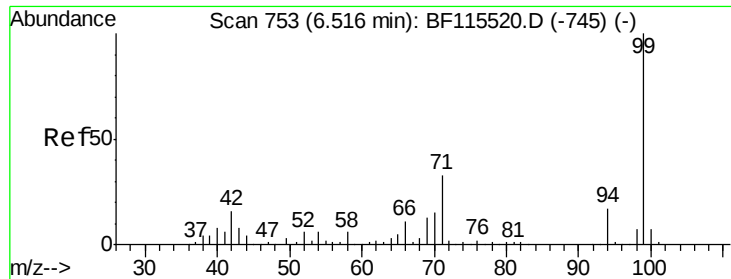
2-Fluorophenol
Concen: 35.416 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion:112 Resp: 440201
Ion Ratio Lower Upper
112 100
64 56.7 46.8 70.2
63 28.2 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: 34.868 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

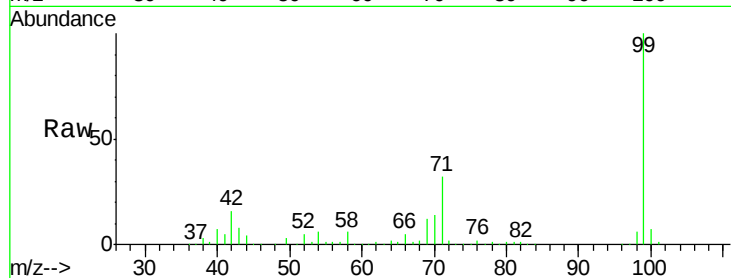
Tot Ion: 99 Resp: 549918

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

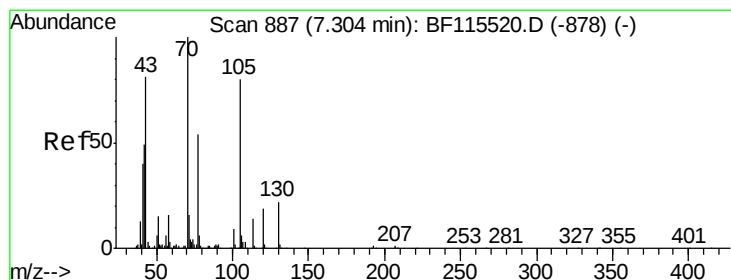
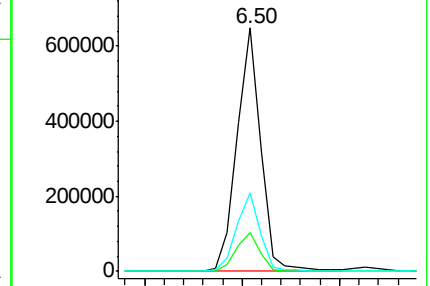
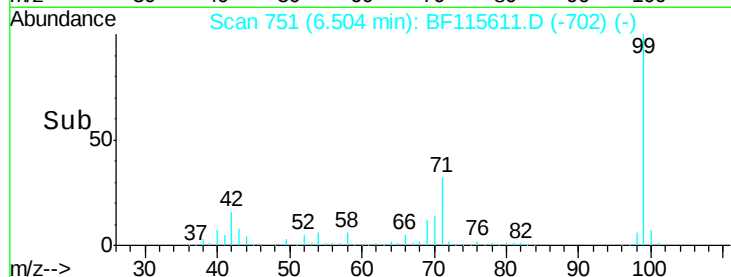
71 32.1 28.5 42.7



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: 4.276 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Tgt Ion: 70 Resp: 43979

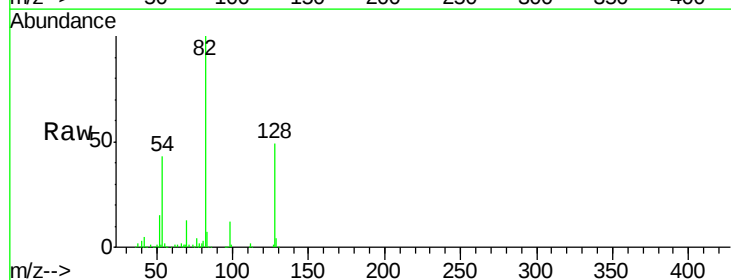
Ion Ratio Lower Upper

70 100

42 39.9 39.6 59.4

101 0.0 8.1 12.1#

130 2.5 18.2 27.2#

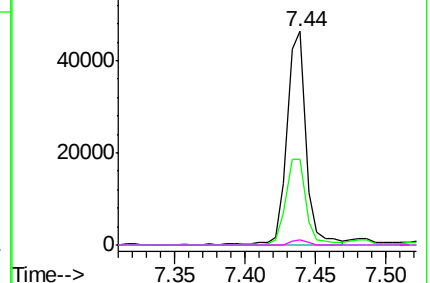
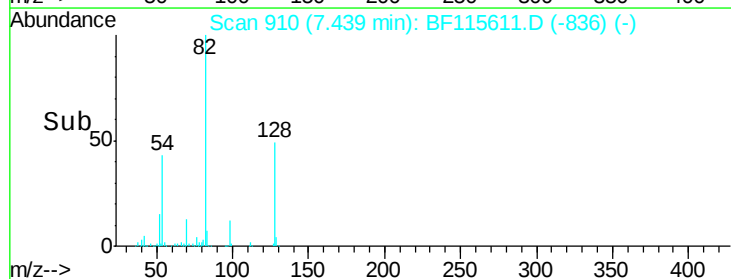


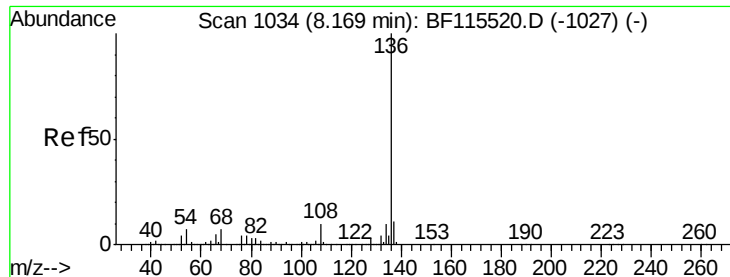
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

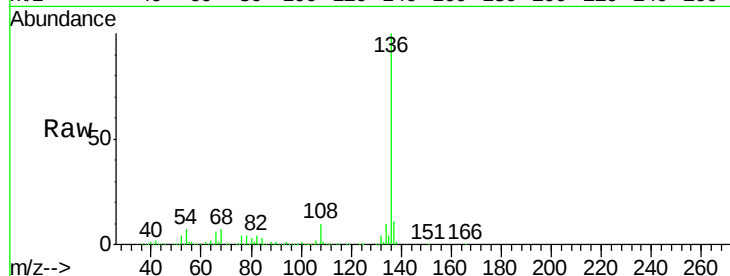




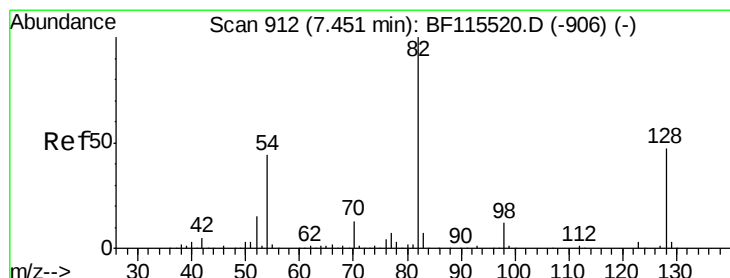
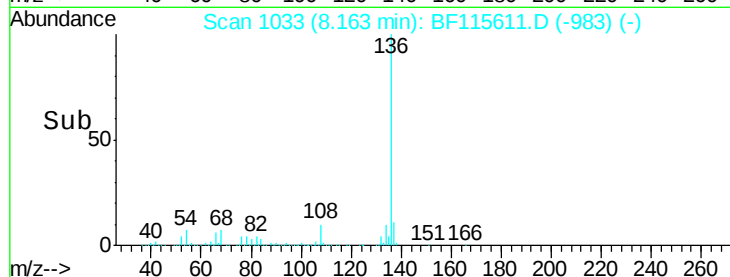
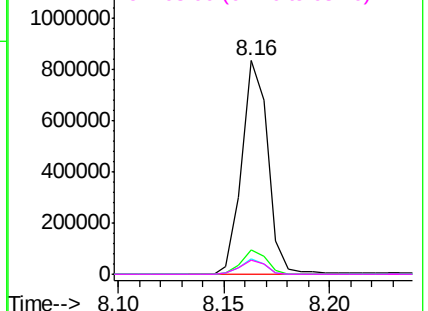
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	716966
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.4
54	7.4	5.6 8.4
68	6.6	5.0 7.6

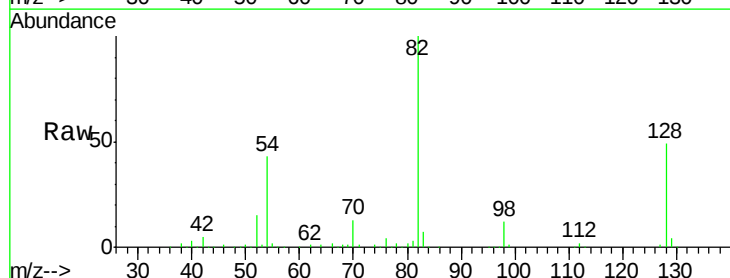


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

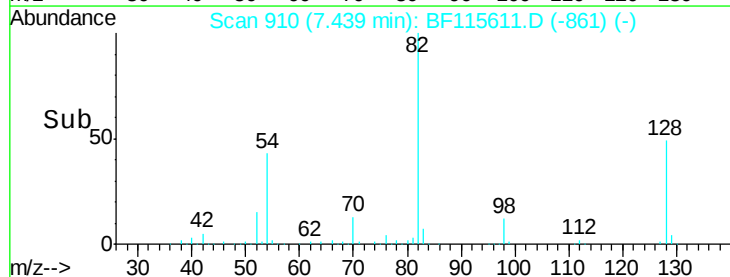
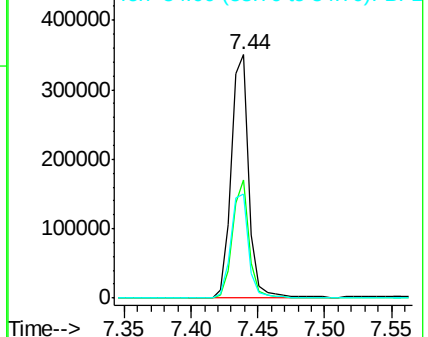


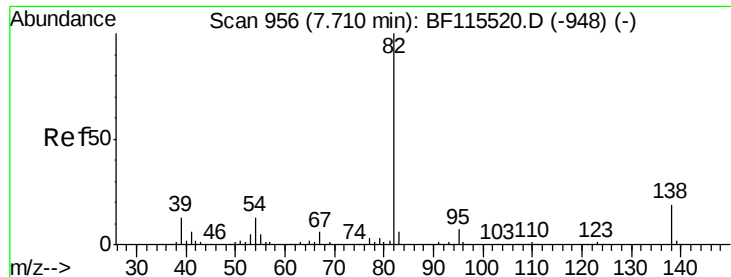
#23
Nitrobenzene-d5
Concen: 26.777 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion: 82	Resp:	330164
Ion Ratio	Lower	Upper
82	100	
128	48.7	38.6 57.8
54	42.9	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: 13.212 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampled :

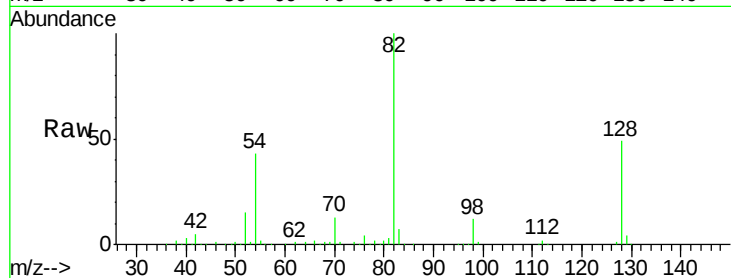
Tot Ion: 82 Resp: 325983

Ion Ratio Lower Upper

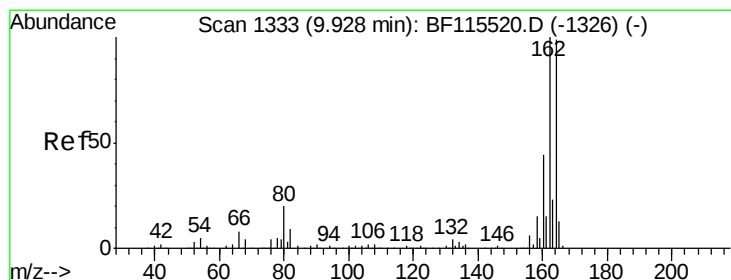
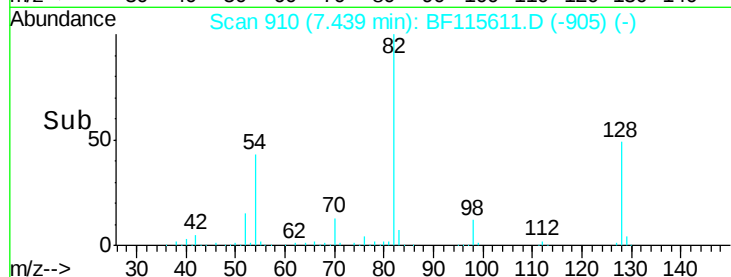
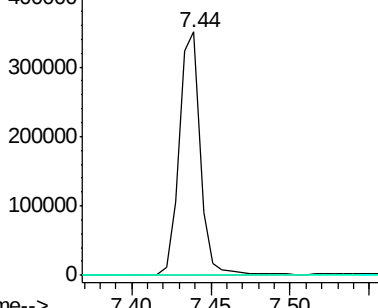
82 100

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# 1332

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

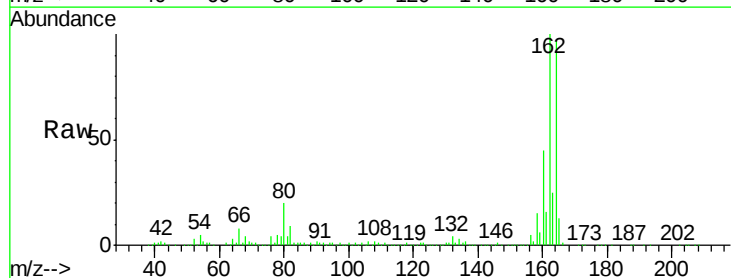
Tgt Ion: 164 Resp: 327682

Ion Ratio Lower Upper

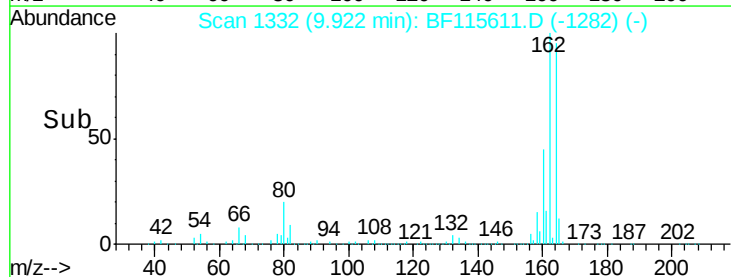
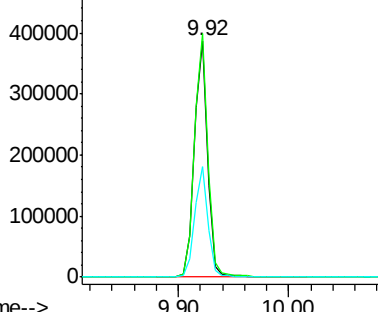
164 100

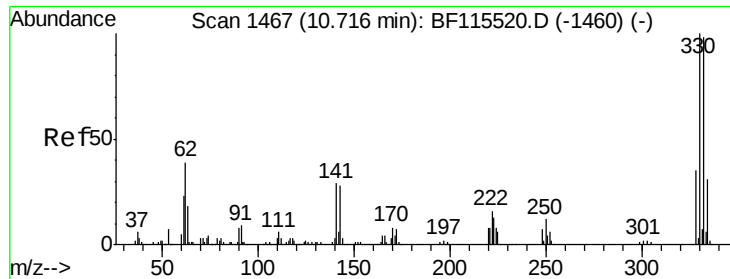
162 103.2 82.9 124.3

160 46.6 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: 33.610 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

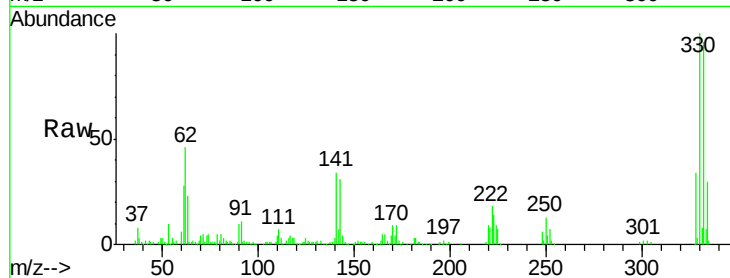
Tot Ion:330 Resp: 128554

Ion Ratio Lower Upper

330 100

332 93.8 77.4 116.2

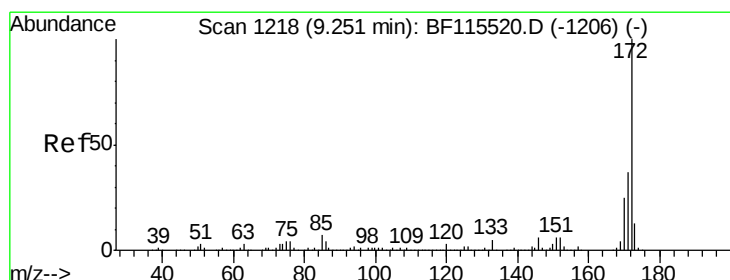
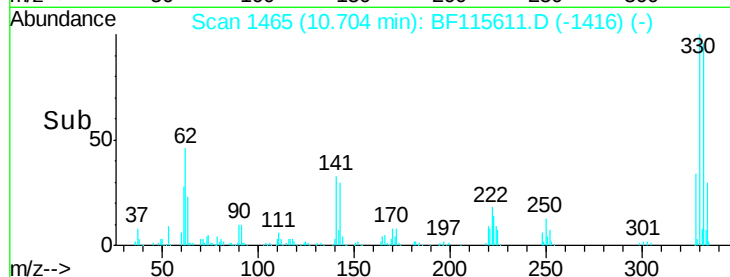
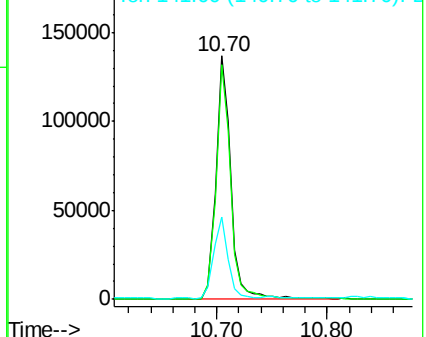
141 31.9 22.4 33.6



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: 32.421 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

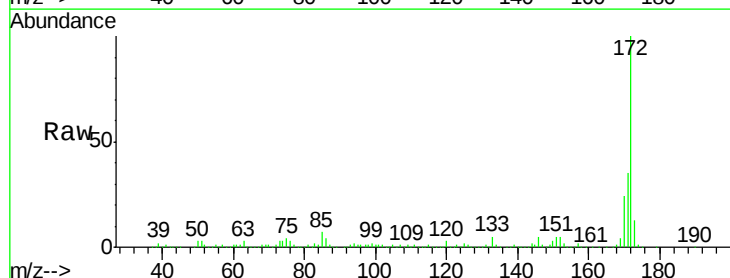
Tgt Ion:172 Resp: 606973

Ion Ratio Lower Upper

172 100

171 35.1 30.6 46.0

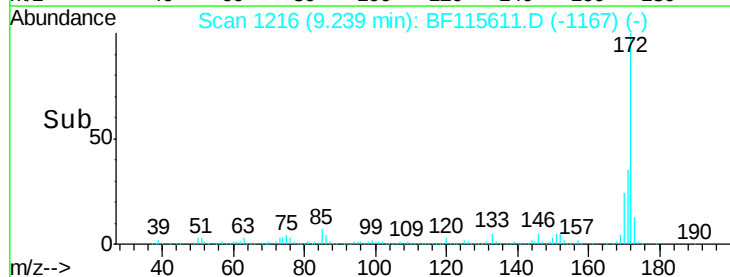
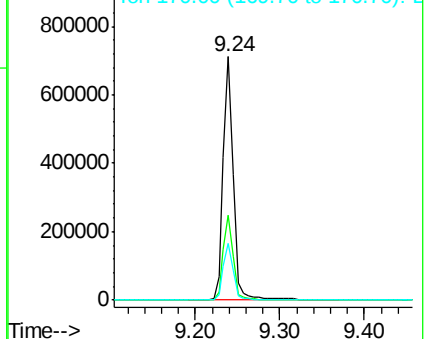
170 23.5 20.5 30.7

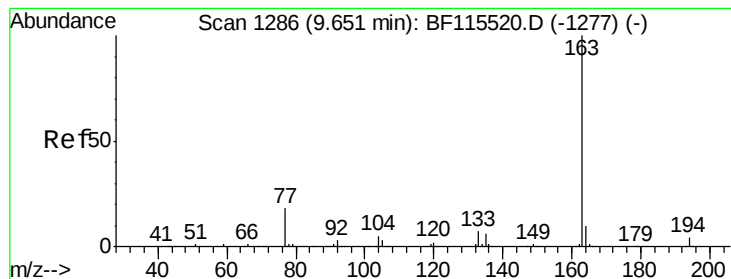


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.123 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

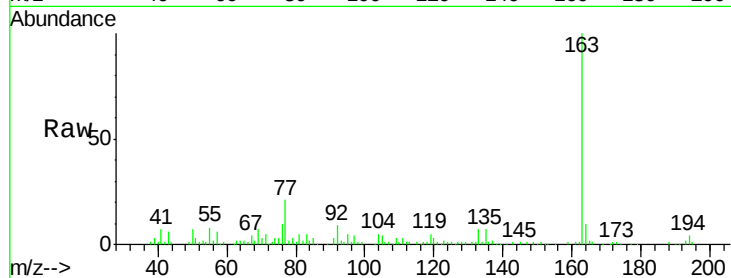
Tot Ion:163 Resp: 76992

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

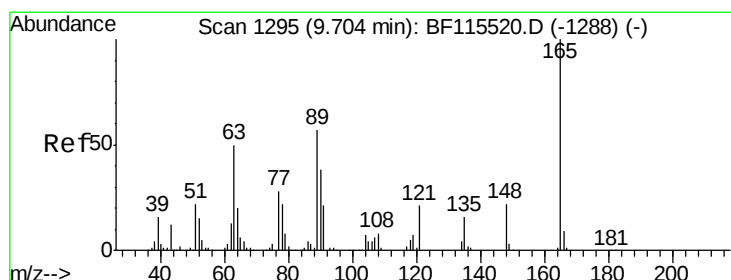
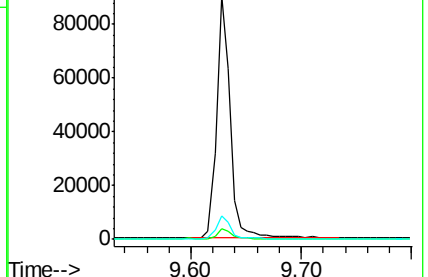
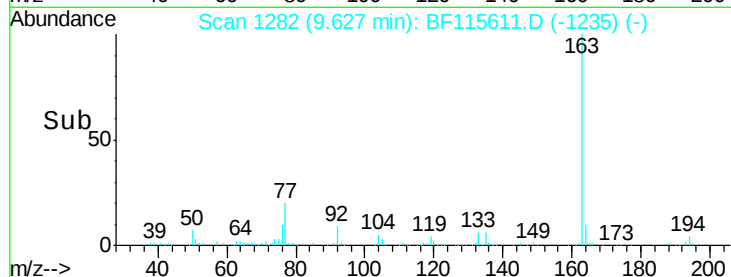
164 9.6 8.7 13.1



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: 7.902 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

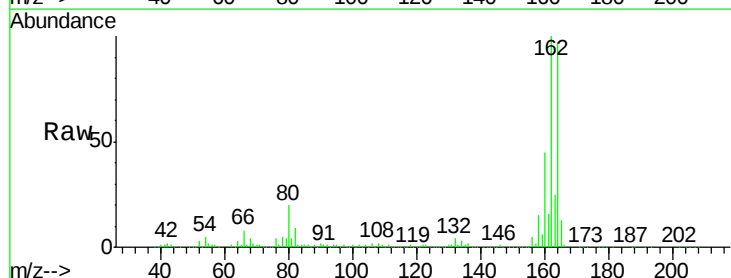
Tgt Ion:165 Resp: 44271

Ion Ratio Lower Upper

165 100

63 1.5 40.6 61.0#

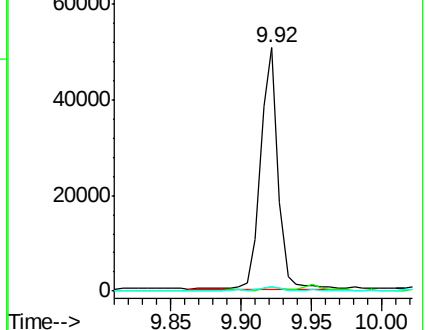
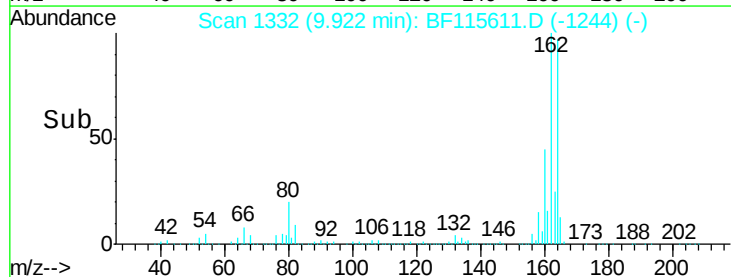
89 1.9 43.9 65.9#

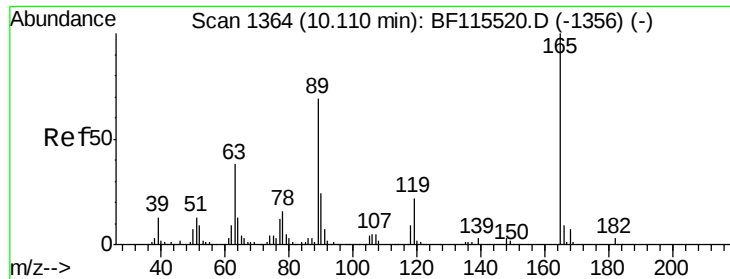


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

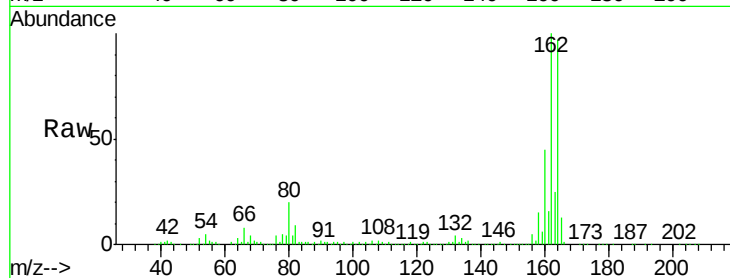




#57
 2,4-Dinitrotoluene
 Concen: 6.154 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF115611.D
 Acq: 16 Jul 2019 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.9	52.3#
89	1.9	57.5	86.3#
182	0.0	2.2	3.4#

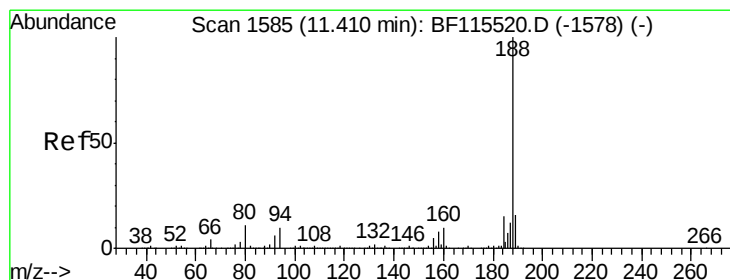
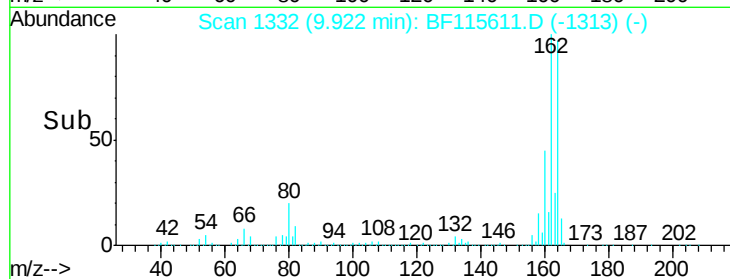
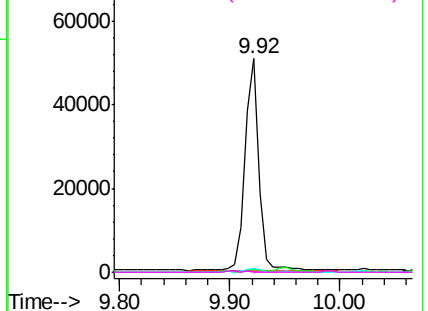


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

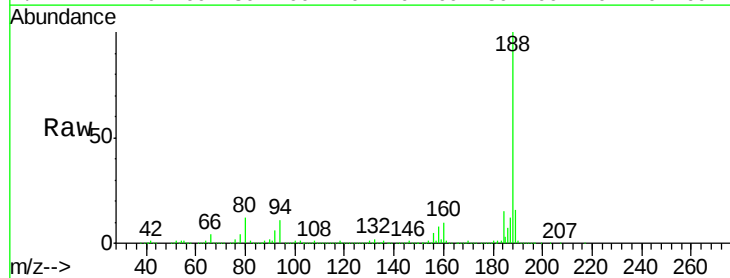
Ion 89.00 (88.70 to 89.70): BF1

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: BF115611.D
 Acq: 16 Jul 2019 21:31

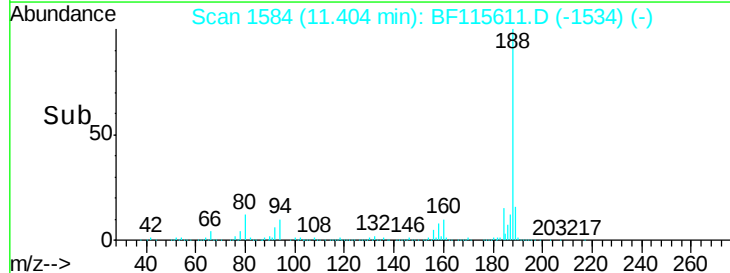
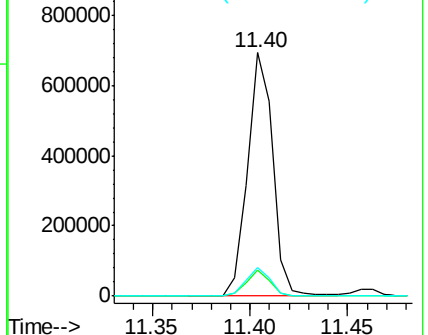
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	11.7	8.6	13.0

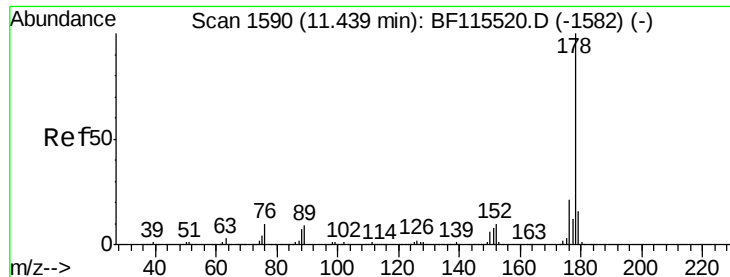


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.401 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

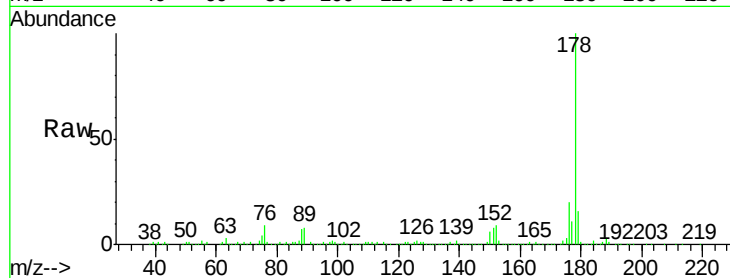
Tot Ion:178 Resp: 203077

Ion Ratio Lower Upper

178 100

176 19.9 17.2 25.8

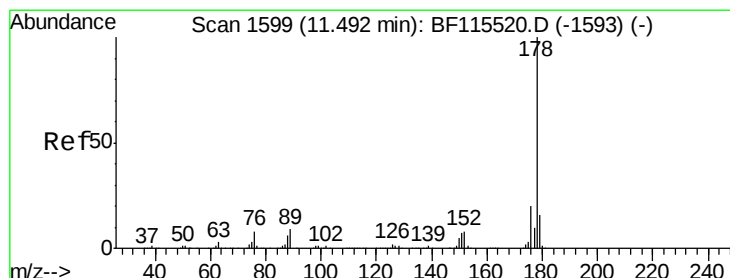
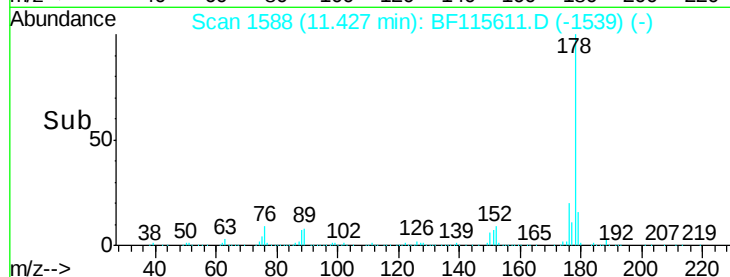
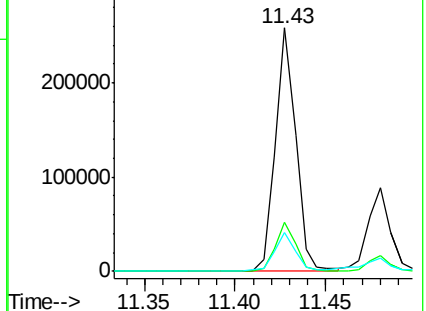
179 15.9 13.5 20.3



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



#72

Anthracene

Concen: 2.141 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

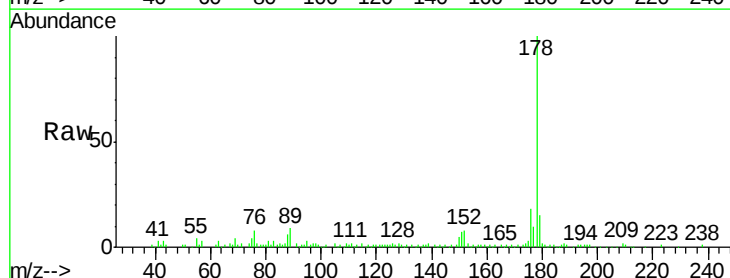
Tgt Ion:178 Resp: 70198

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

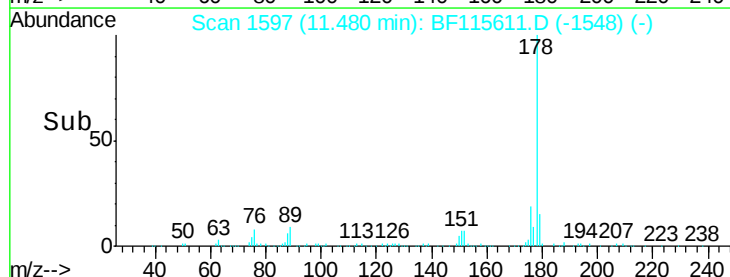
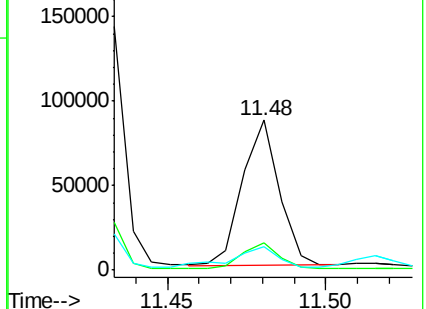
179 15.3 12.7 19.1

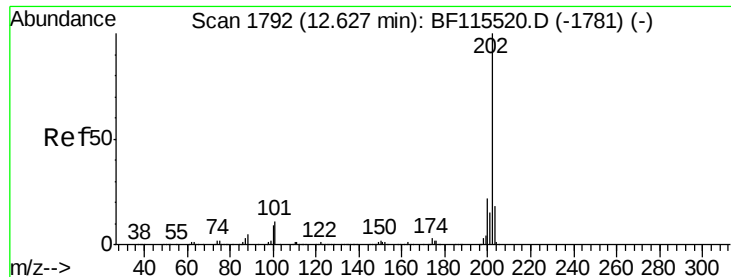


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.471 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

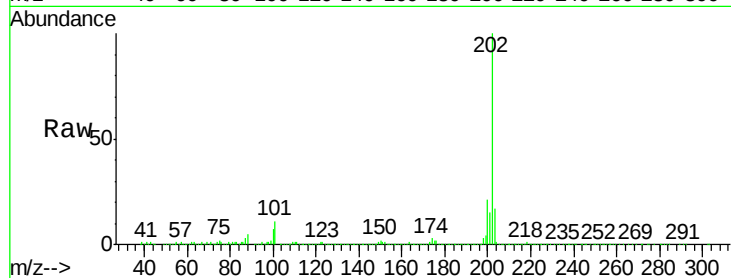
Tot Ion:202 Resp: 585707

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

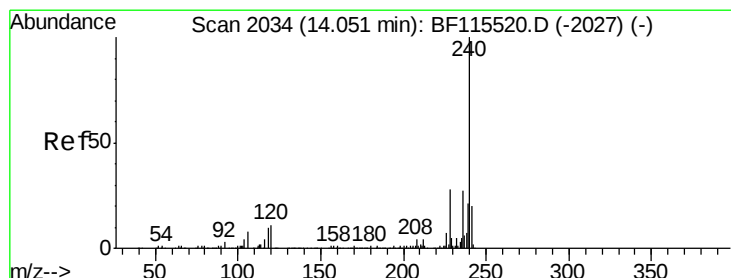
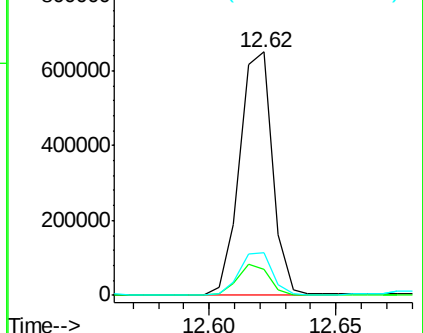
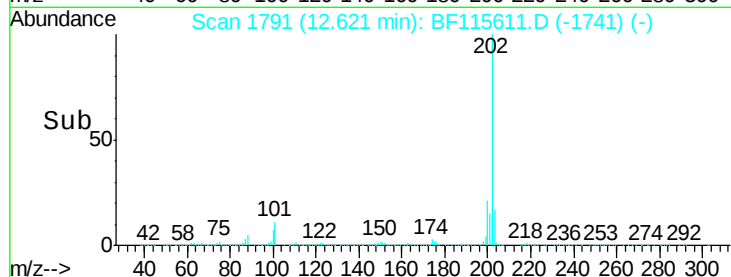
203 17.3 0.0 38.1



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: BF115611.D

Acq: 16 Jul 2019 21:31

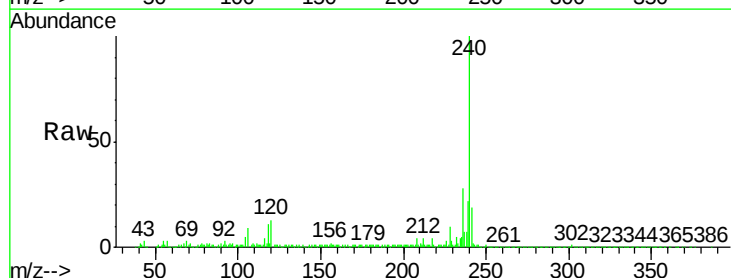
Tgt Ion:240 Resp: 521219

Ion Ratio Lower Upper

240 100

120 12.5 8.6 13.0

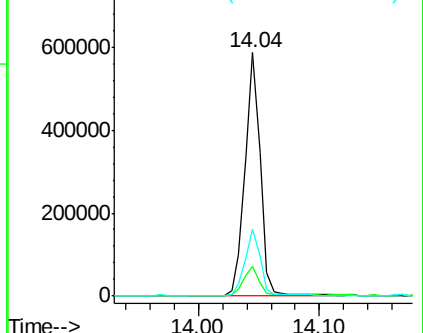
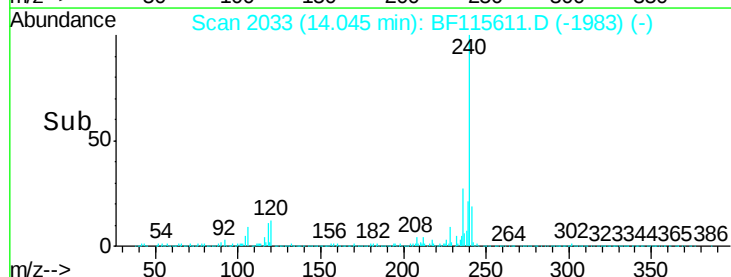
236 27.5 21.3 31.9

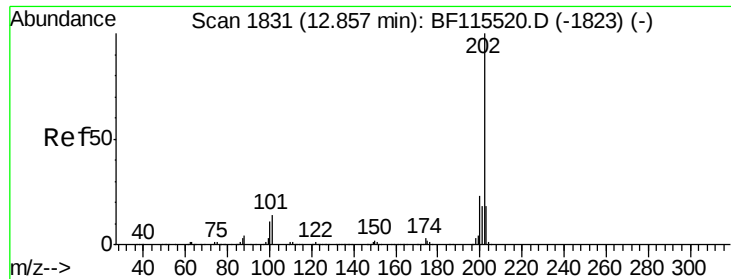


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.183 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

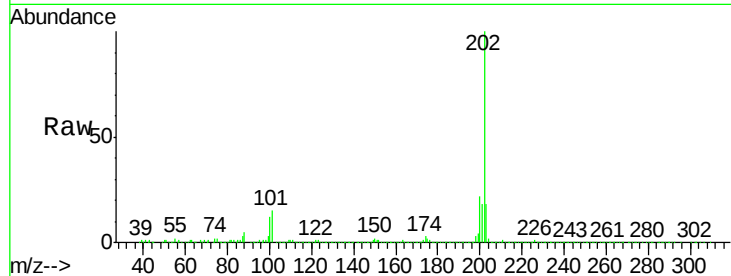
Tot Ion:202 Resp: 582135

Ion Ratio Lower Upper

202 100

200 21.6 18.7 28.1

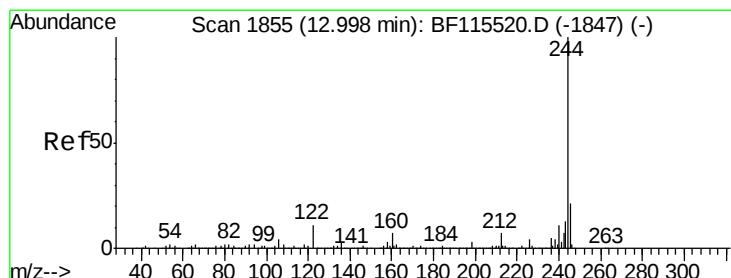
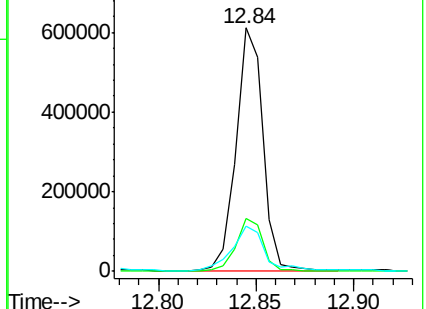
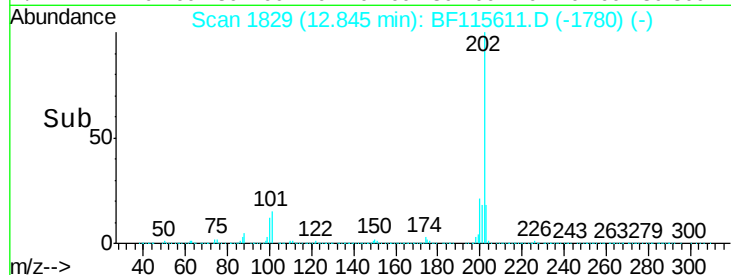
203 18.4 15.2 22.8



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: 23.683 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

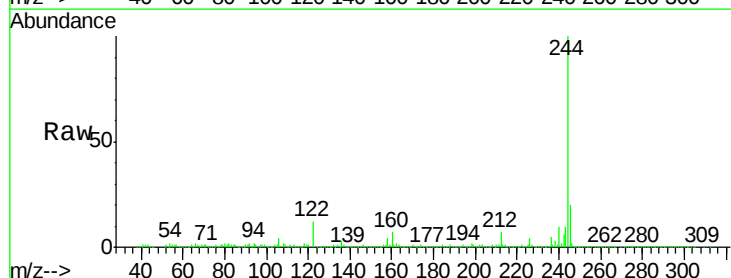
Tgt Ion:244 Resp: 668983

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

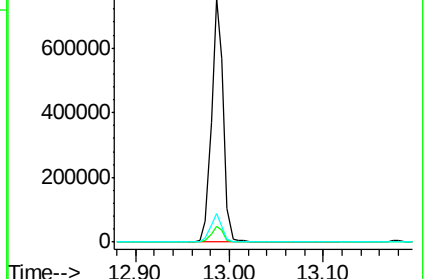
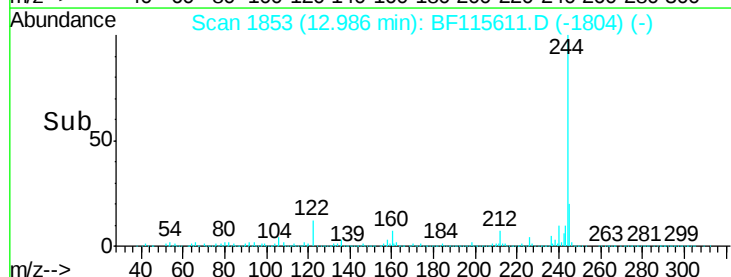
122 11.7 8.6 12.8

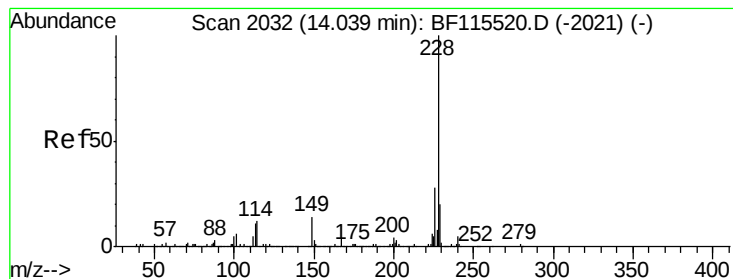


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.066 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

Instrument :

BNA_F

ClientSampleId :

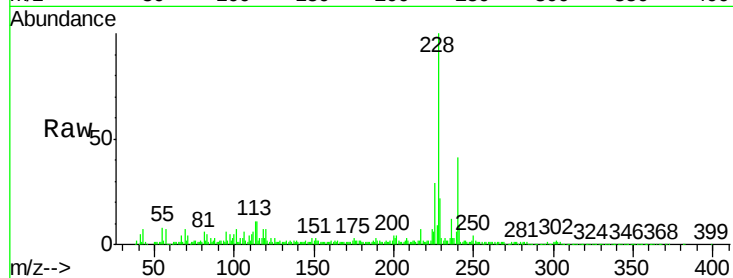
Tot Ion:228 Resp: 242642

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.0

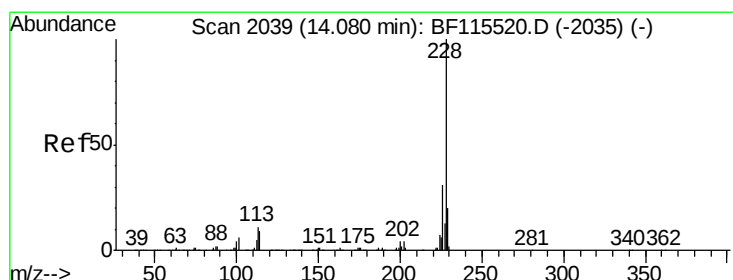
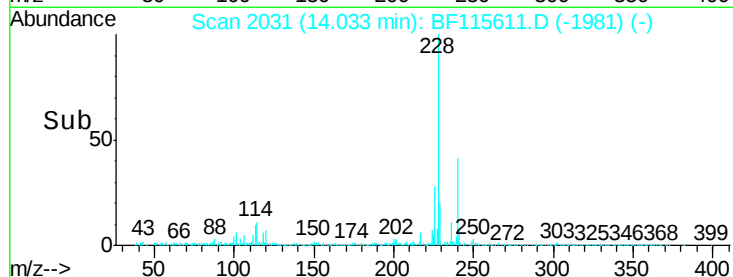
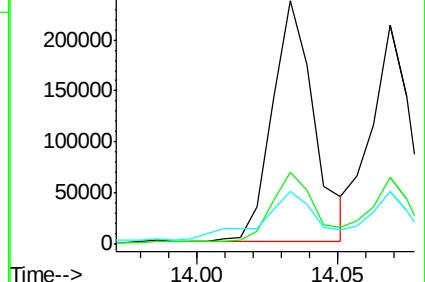
229 21.8 17.2 25.8



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: 5.889 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115611.D

Acq: 16 Jul 2019 21:31

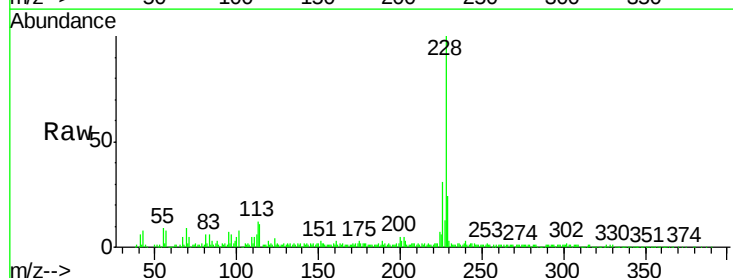
Tgt Ion:228 Resp: 202981

Ion Ratio Lower Upper

228 100

226 30.7 25.7 38.5

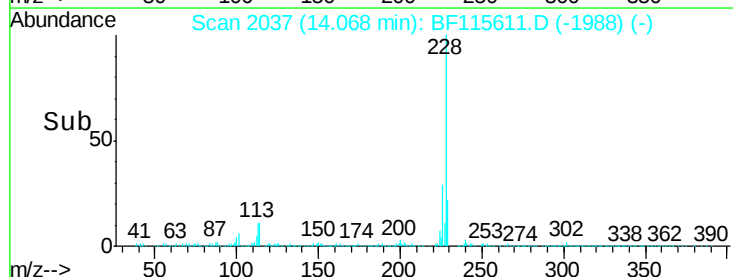
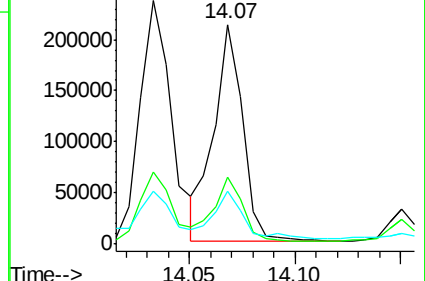
229 24.0 16.6 25.0

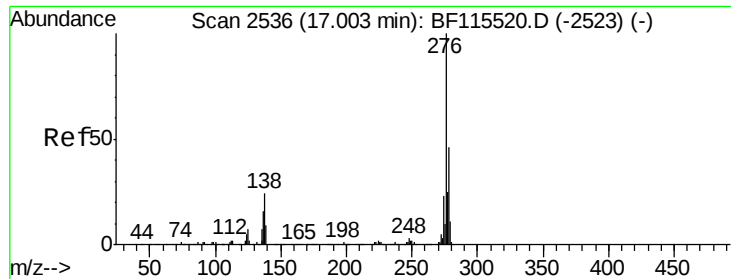


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

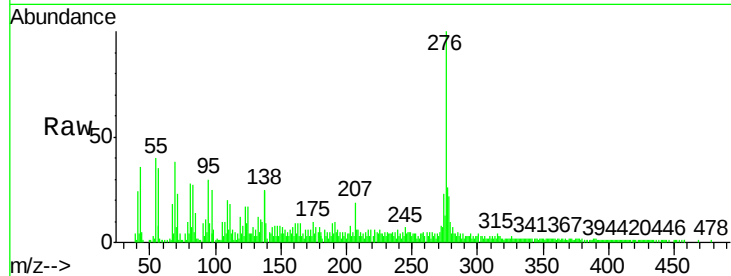




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.041 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.2	30.2
277	24.8	20.4	30.6

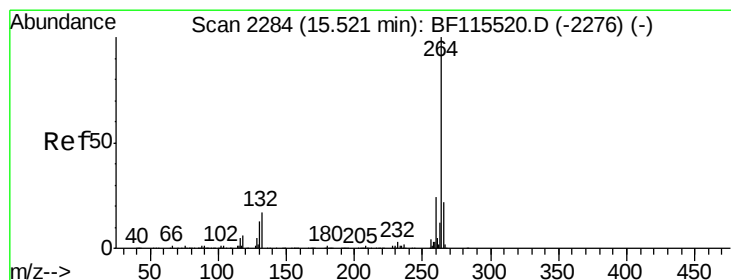
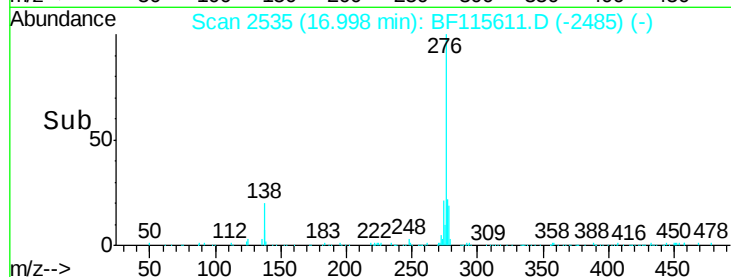
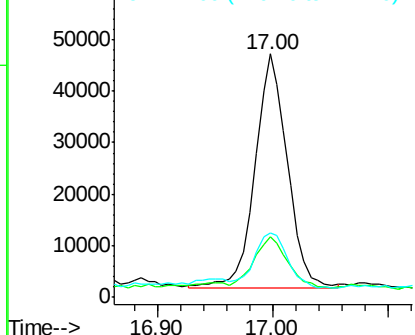


Abundance

Ion 276.00 (275.70 to 276.70): E

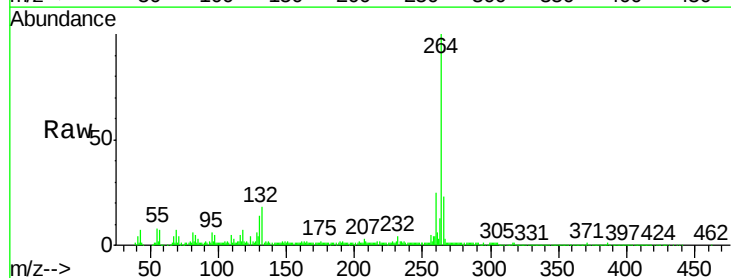
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.8	29.8
265	22.9	17.7	26.5

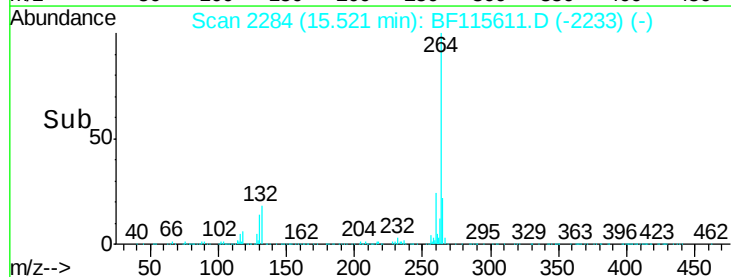
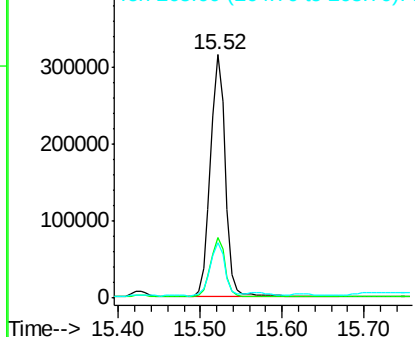


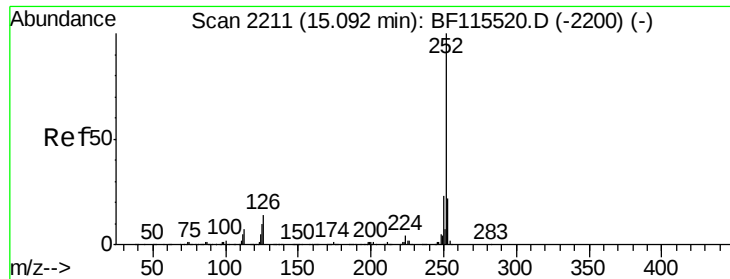
Abundance

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

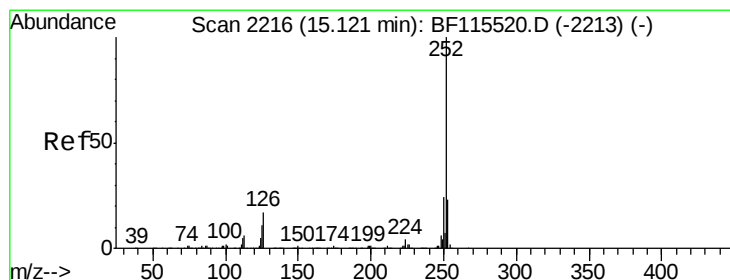
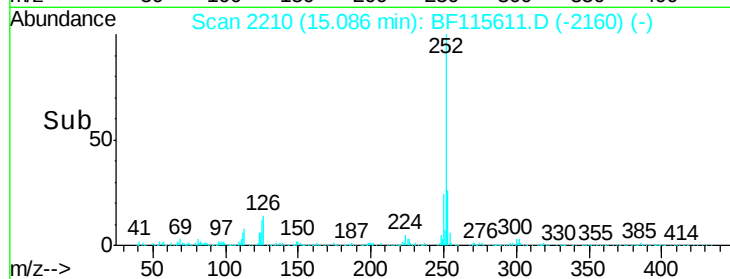
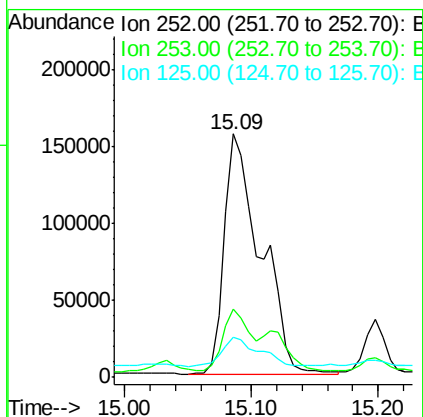
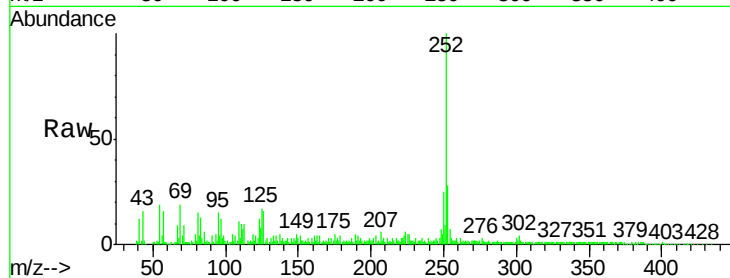




#88
Benzo(b)fluoranthene
Concen: 11.994 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

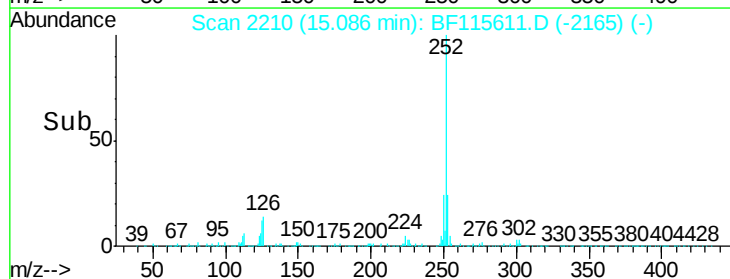
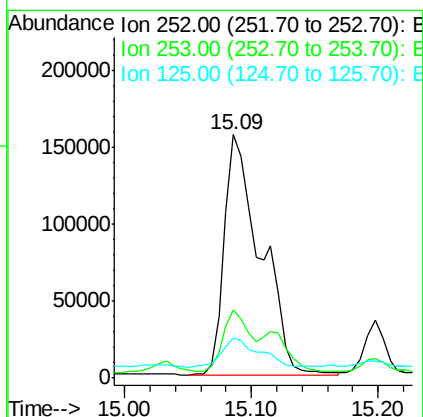
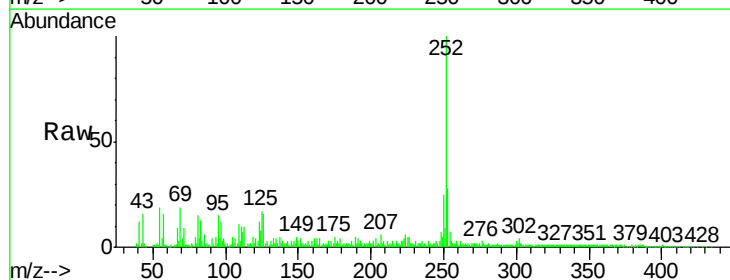
Instrument :
BNA_F
ClientSampleId :

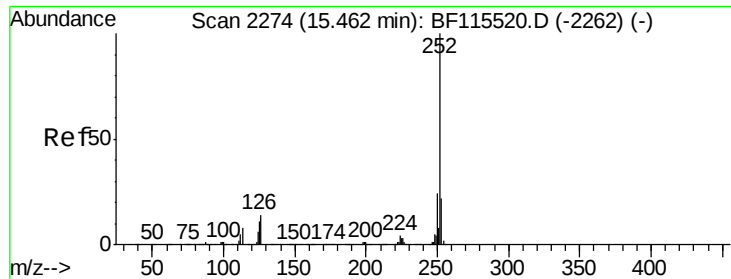
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.1	27.1#
125	16.6	9.0	13.4#



#89
Benzo(k)fluoranthene
Concen: 13.453 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.6	28.0#
125	16.6	9.0	13.6#

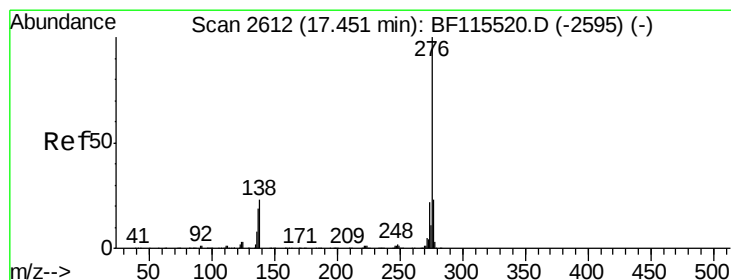
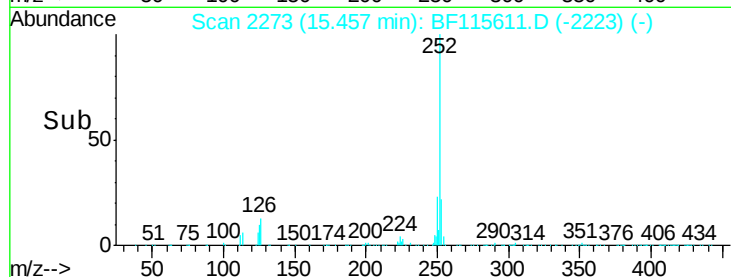
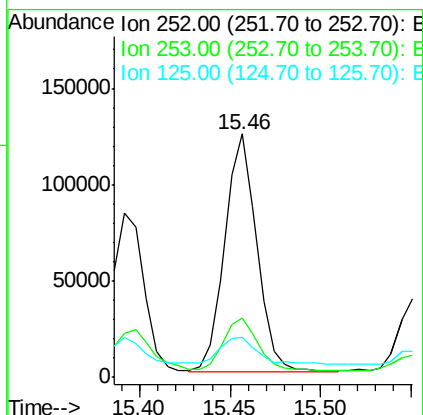
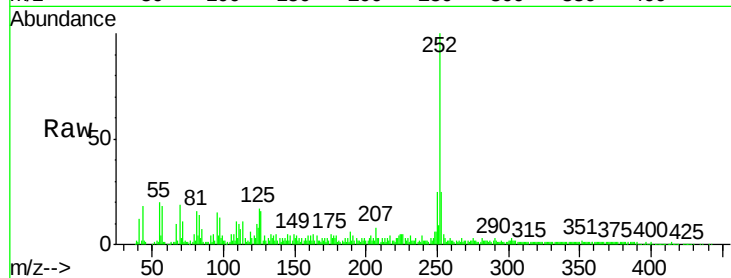




#90
Benzo(a)pyrene
Concen: 6.865 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 153802
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 16.6 9.1 13.7#



#92
Benzo(g,h,i)perylene
Concen: 4.396 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.01 min
Lab File: BF115611.D
Acq: 16 Jul 2019 21:31

Tgt Ion:276 Resp: 86231
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.4
138 26.9 17.2 25.8#

