

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
 Data File : BF115574.D
 Acq On : 15 Jul 2019 23:13
 Operator : HP/JU
 Sample : K3620-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 16 01:46:26 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

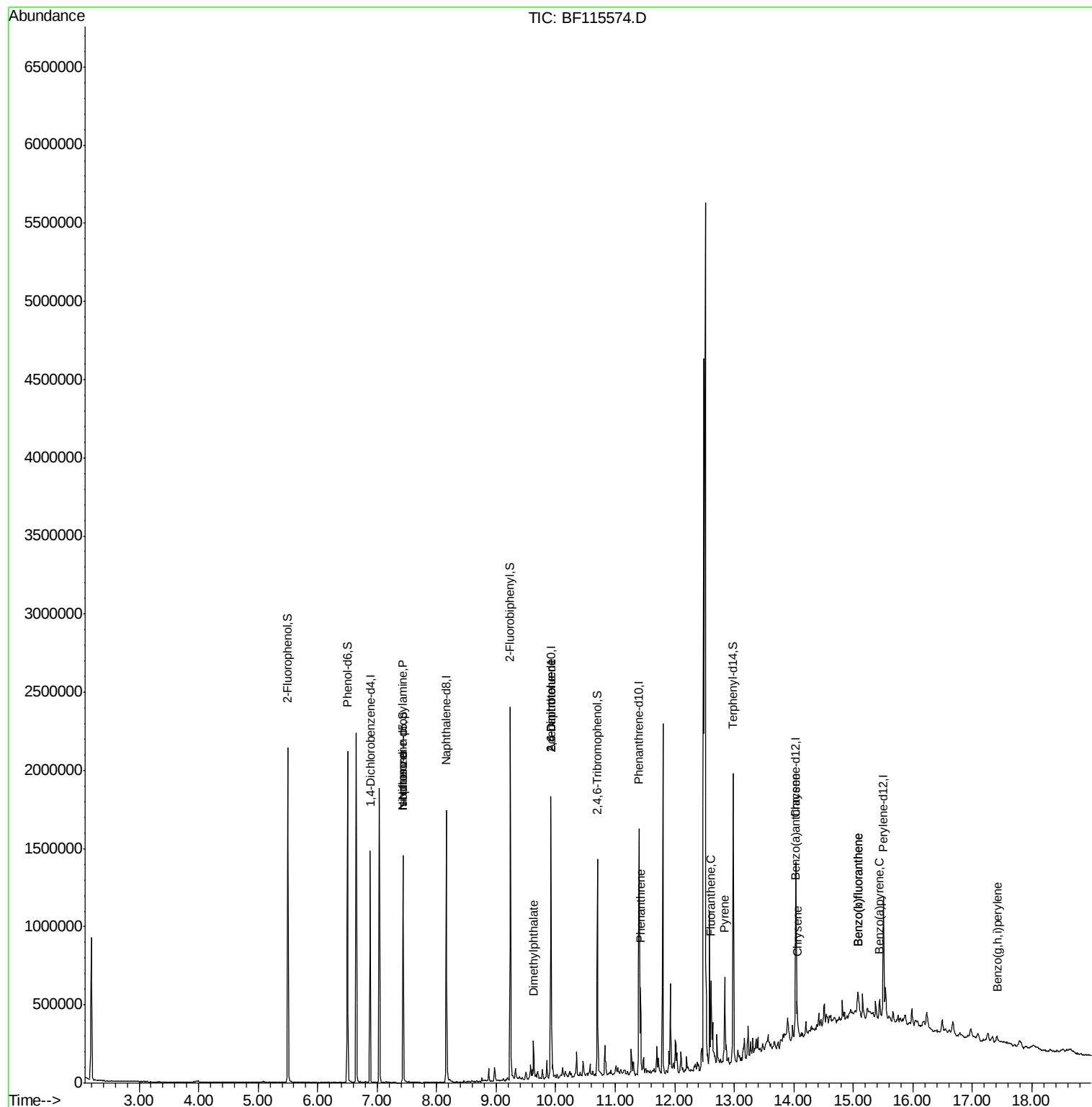
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	205153	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	752742	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	353843	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	583917	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	363986	20.00	ng	-0.02
87) Perylene-d12	15.50	264	401697	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	602537	48.04	ng	0.00
7) Phenol-d6	6.50	99	789535	49.61	ng	-0.01
23) Nitrobenzene-d5	7.43	82	471013	36.38	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	187707	45.45	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	844845	41.79	ng	-0.01
79) Terphenyl-d14	12.98	244	613734	31.11	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	61395	5.915	ng	Qvalue # 80
25) Isophorone	7.43	82	460527	17.778	ng	# 64
50) Dimethylphthalate	9.63	163	98893	3.715	ng	99
51) 2,6-Dinitrotoluene	9.92	165	47325	7.822	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	47643	6.078	ng	# 24
71) Phenanthrene	11.42	178	186308	6.225	ng	96
75) Fluoranthene	12.61	202	182163	5.759	ng	99
78) Pyrene	12.84	202	221088	7.169	ng	97
81) Benzo(a)anthracene	14.02	228	89634	3.738	ng	98
83) Chrysene	14.06	228	95245	3.957	ng	96
88) Benzo(b)fluoranthene	15.07	252	115037	4.447	ng	# 92
89) Benzo(k)fluoranthene	15.07	252	115037	4.988	ng	# 94
90) Benzo(a)pyrene	15.44	252	70130	3.155	ng	# 95
92) Benzo(a,h,i)perylene	17.42	276	39970	2.053	ng	# 93

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

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QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



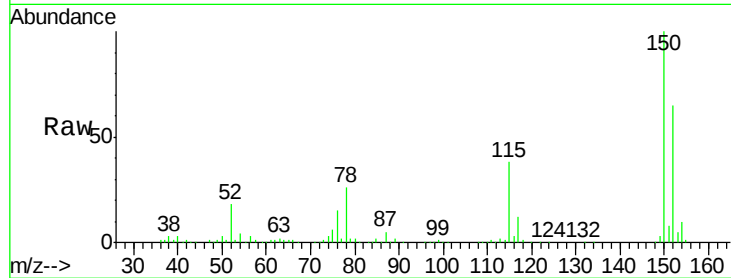


#1

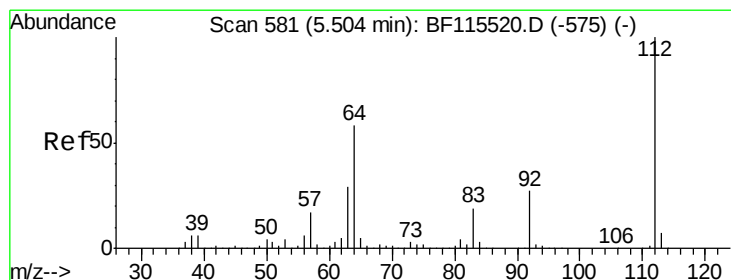
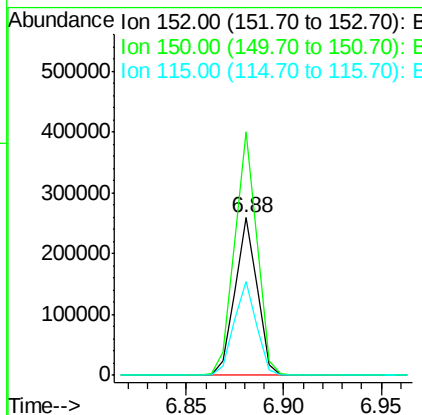
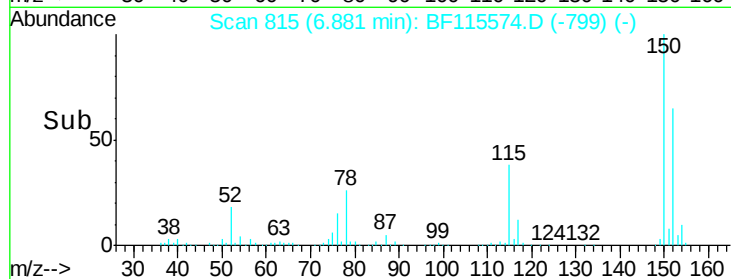
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	152	Resp	205153
Ion	Ratio	Lower	Upper
152	100		
150	154.7	129.7	194.5
115	59.5	48.2	72.4



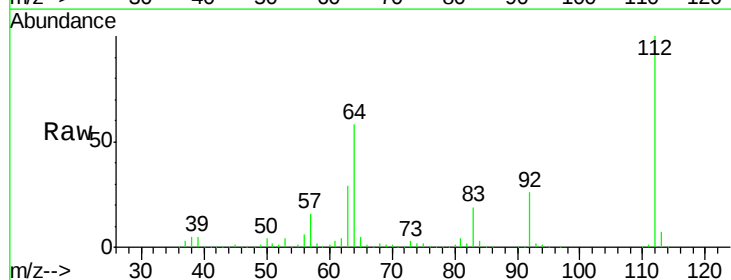
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



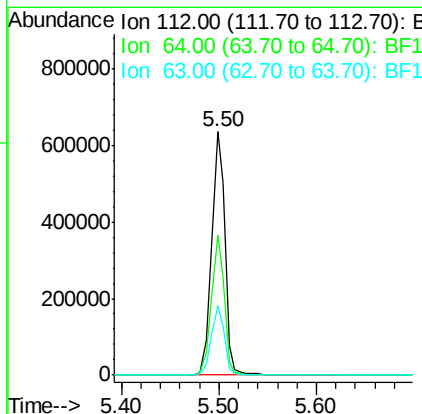
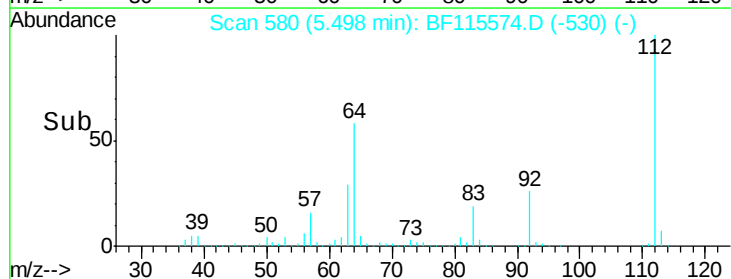
#5

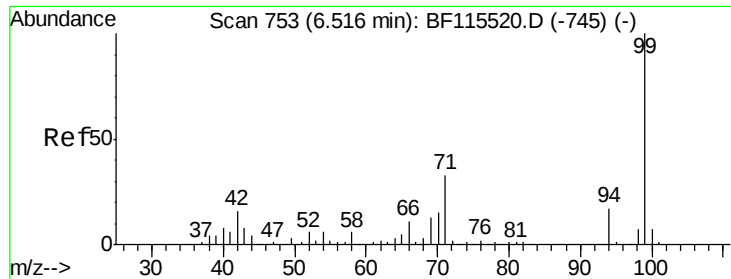
2-Fluorophenol
 Concen: 48.041 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

Tgt Ion	112	Resp	602537
Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.8	70.2
63	28.8	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: 49.611 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

Instrument :

BNA_F

ClientSampleId :

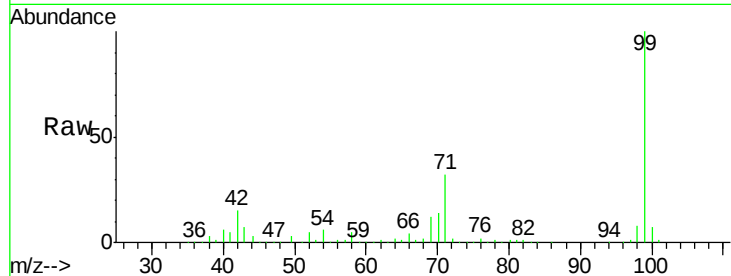
Tot Ion: 99 Resp: 789535

Ion Ratio Lower Upper

99 100

42 14.7 13.6 20.4

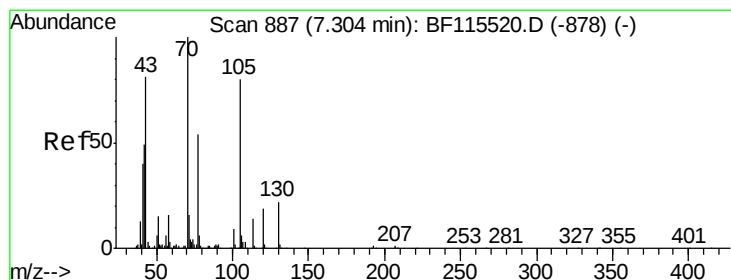
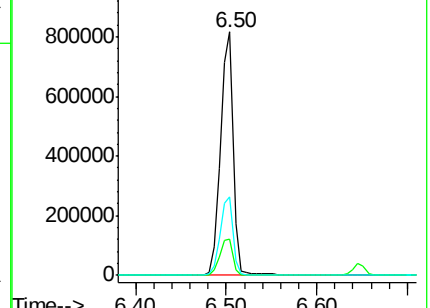
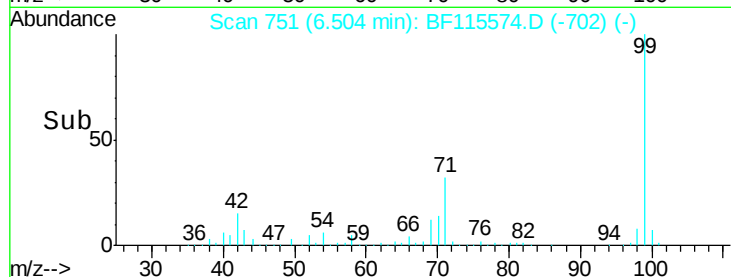
71 32.2 28.5 42.7



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: 5.915 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

Tgt Ion: 70 Resp: 61395

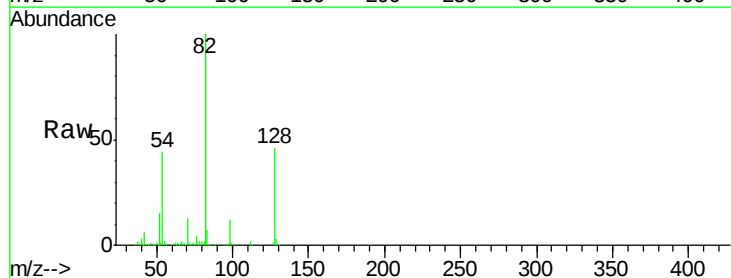
Ion Ratio Lower Upper

70 100

42 43.5 39.6 59.4

101 0.0 8.1 12.1#

130 2.2 18.2 27.2#

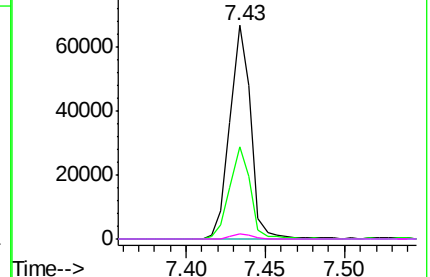
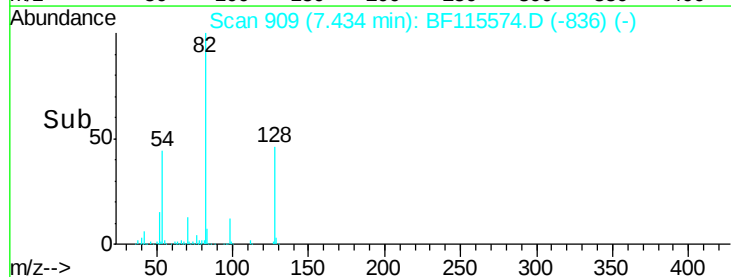


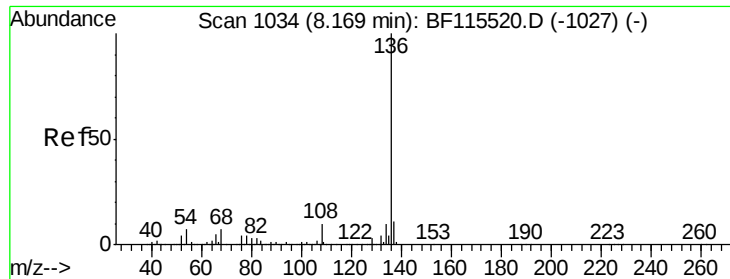
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

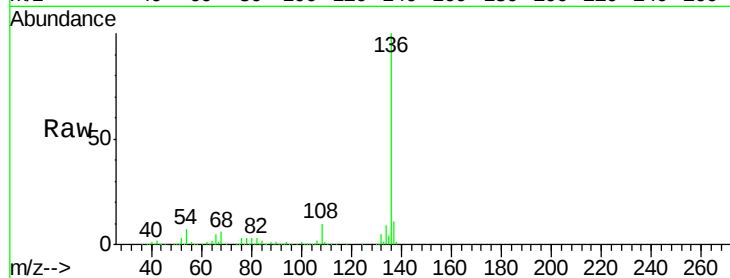




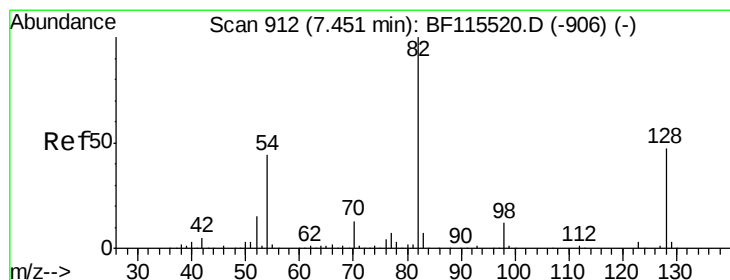
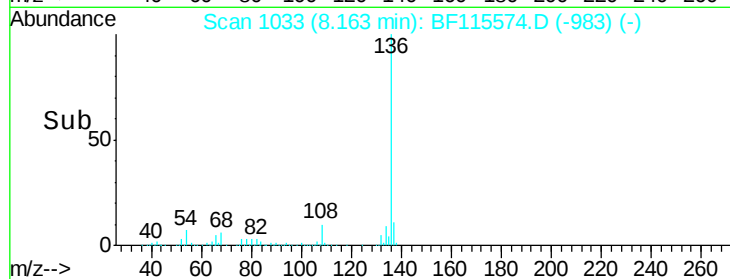
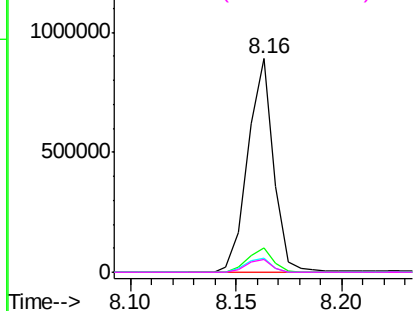
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	752742
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.4
54	6.7	5.6 8.4
68	6.0	5.0 7.6

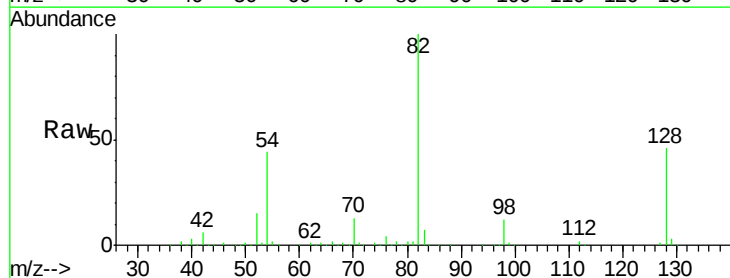


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

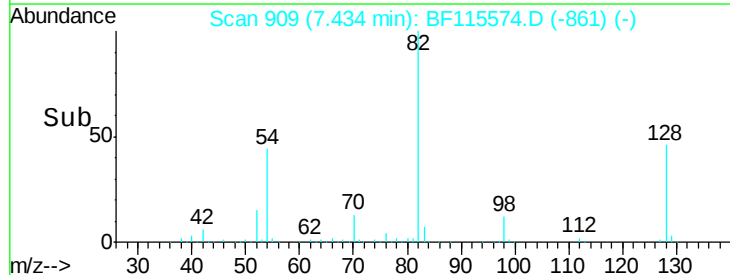
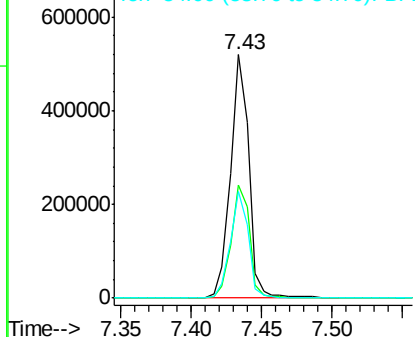


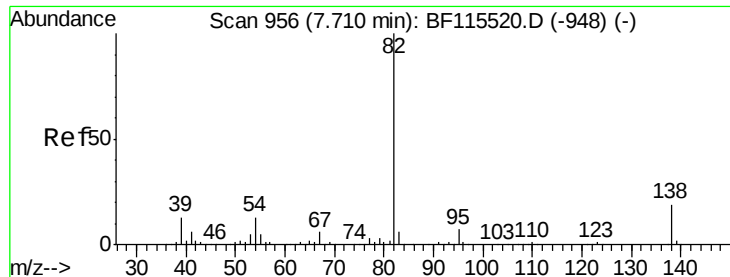
#23
Nitrobenzene-d5
Concen: 36.384 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

Tgt Ion: 82	Resp:	471013
Ion Ratio	Lower	Upper
82	100	
128	46.5	38.6 57.8
54	43.8	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: 17.778 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

Instrument :

BNA_F

ClientSampleId :

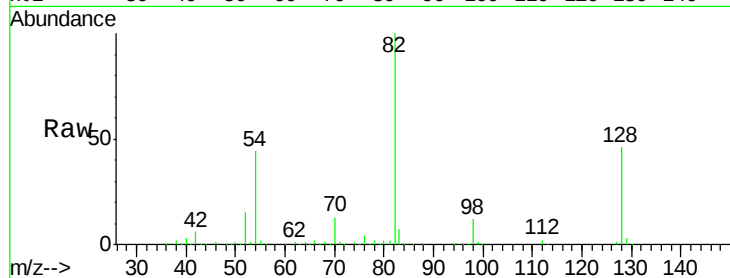
Tot Ion: 82 Resp: 460527

Ion Ratio Lower Upper

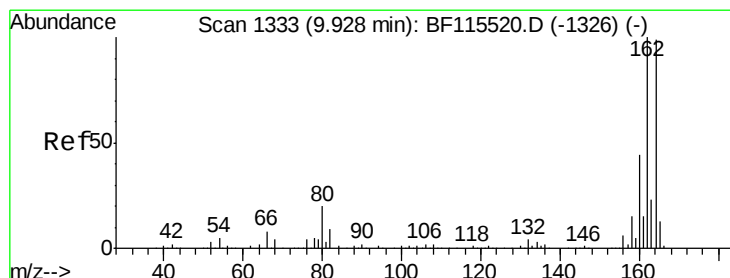
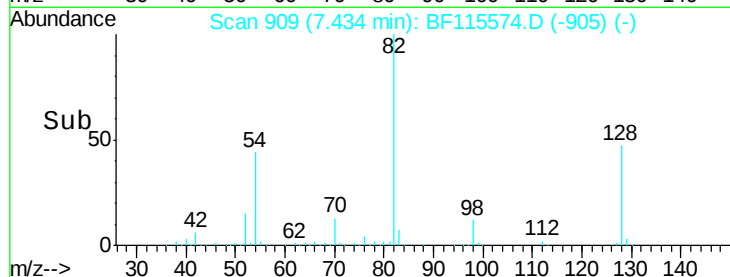
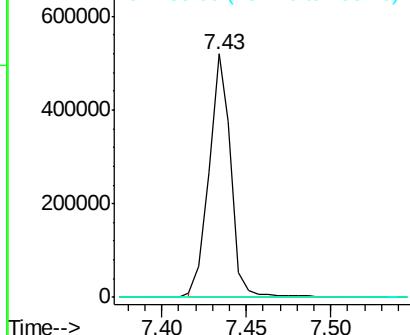
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): 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: BF115574.D

Acq: 15 Jul 2019 23:13

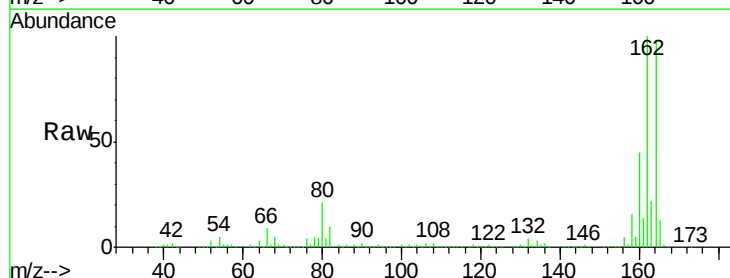
Tgt Ion: 164 Resp: 353843

Ion Ratio Lower Upper

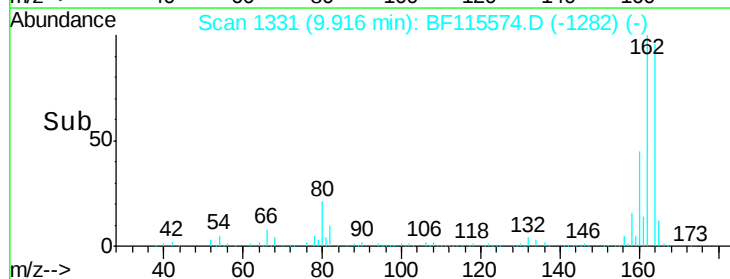
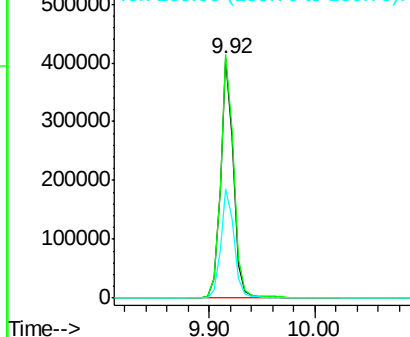
164 100

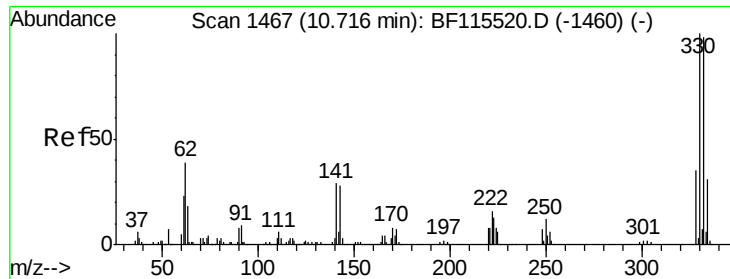
162 101.7 82.9 124.3

160 45.7 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

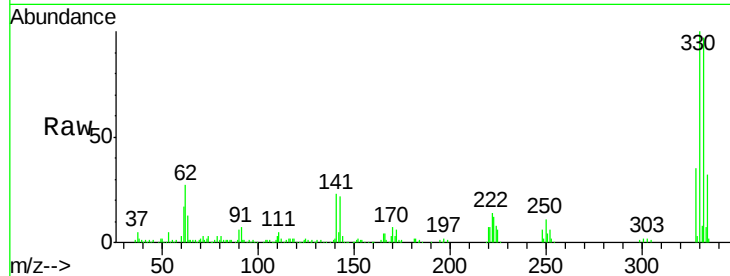




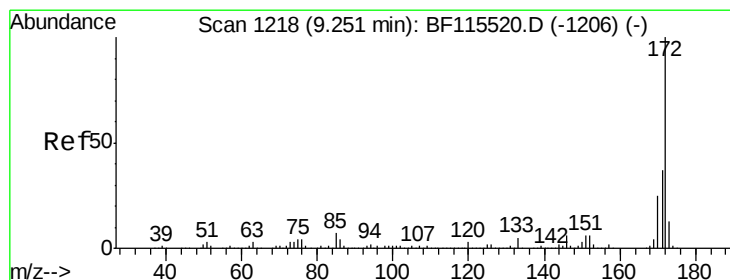
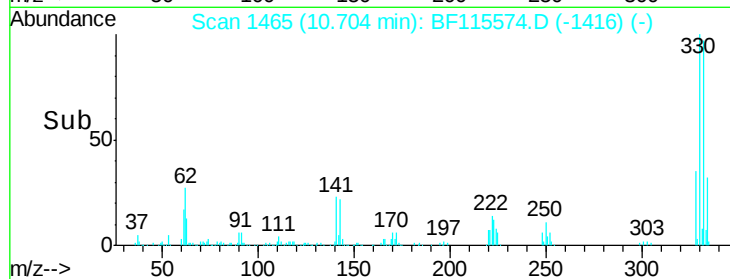
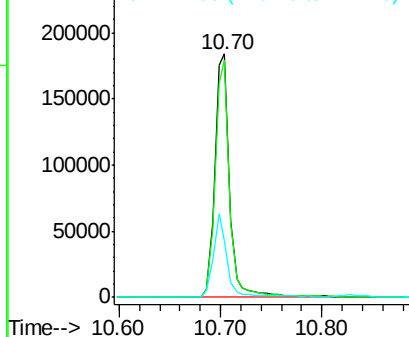
#42
 2,4,6-Tribromophenol
 Concen: 45.447 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 187707
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.2
 141 30.5 22.4 33.6

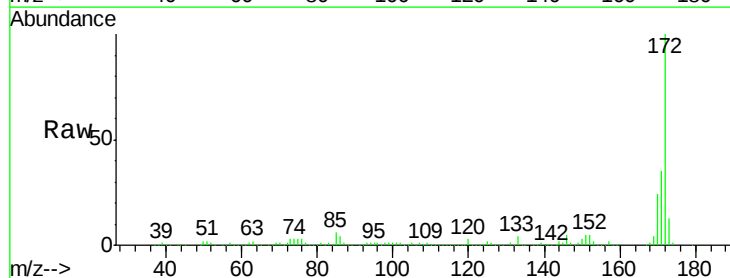


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

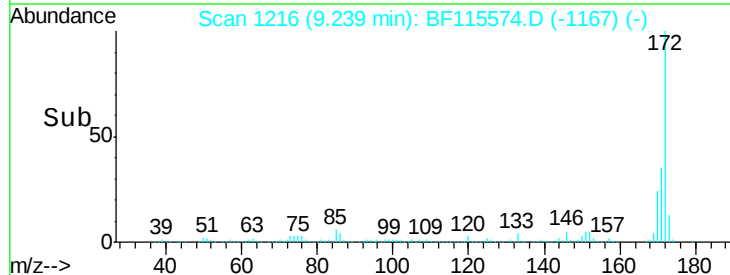
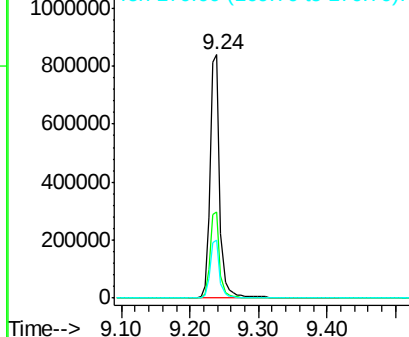


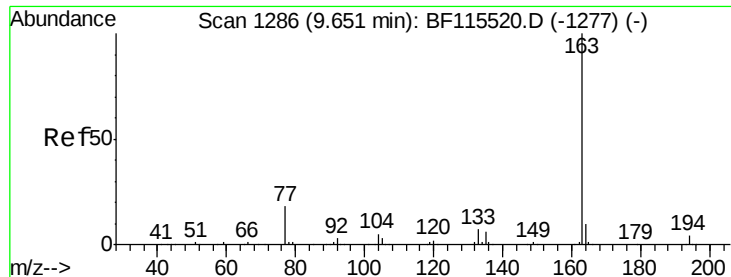
#45
 2-Fluorobiphenyl
 Concen: 41.790 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

Tgt Ion:172 Resp: 844845
 Ion Ratio Lower Upper
 172 100
 171 35.3 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

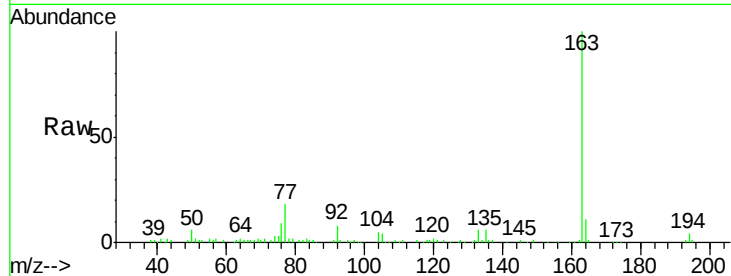




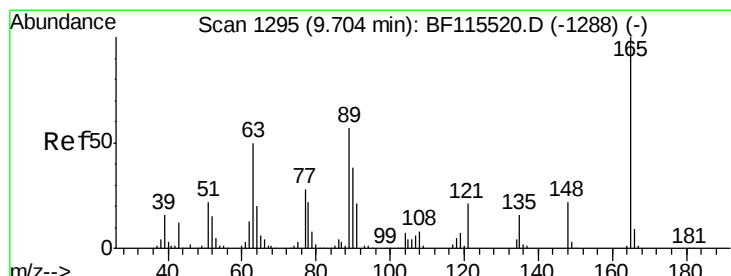
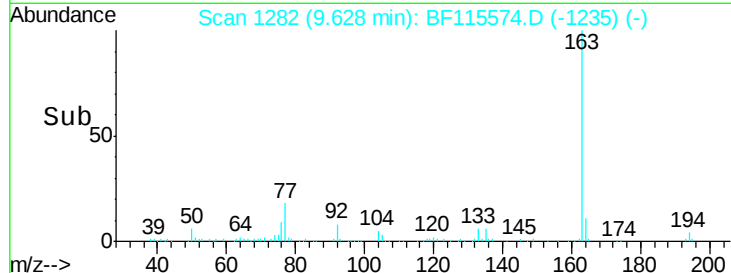
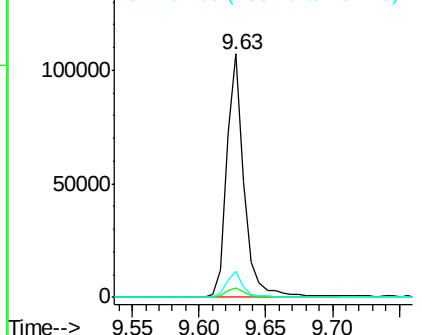
#50
Dimethylphthalate
Concen: 3.715 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

Instrument :
BNA_F
ClientSampled :

Tot Ion	163	Resp	98893
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.7	8.7	13.1

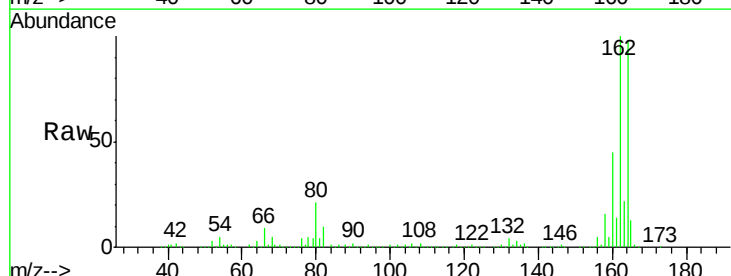


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

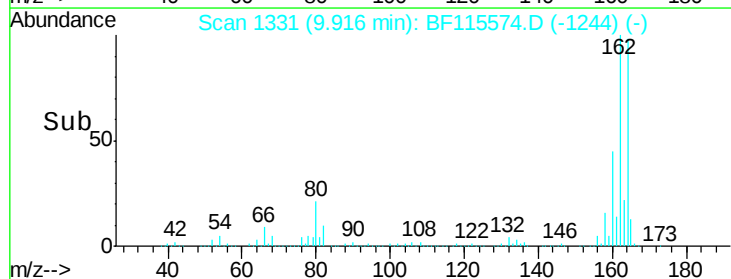
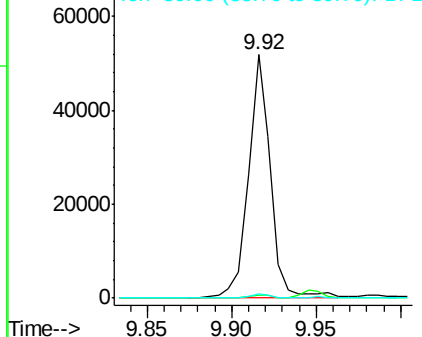


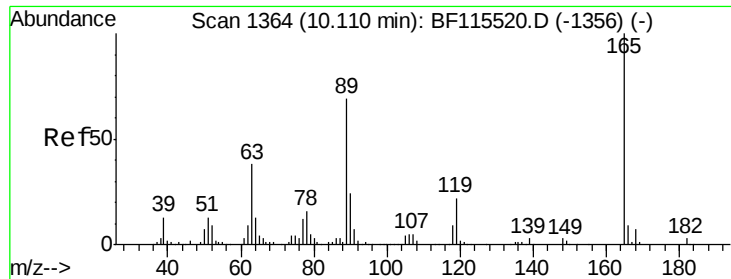
#51
2,6-Dinitrotoluene
Concen: 7.822 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

Tgt Ion	165	Resp	47325
Ion Ratio	Lower	Upper	
165	100		
63	1.1	40.6	61.0#
89	1.7	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

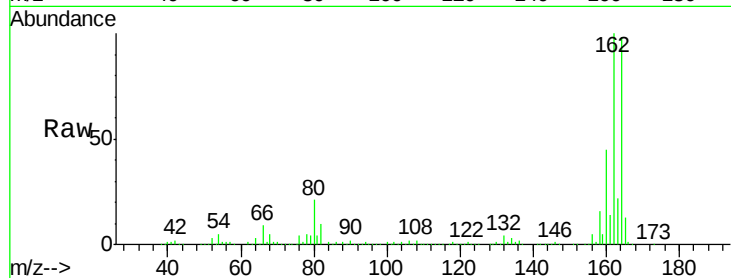




#57
 2,4-Dinitrotoluene
 Concen: 6.078 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.9	52.3#
89	1.7	57.5	86.3#
182	0.0	2.2	3.4#

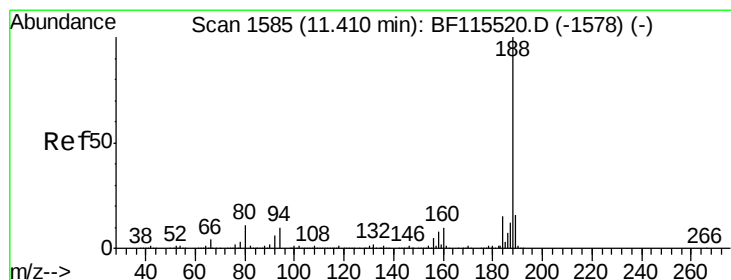
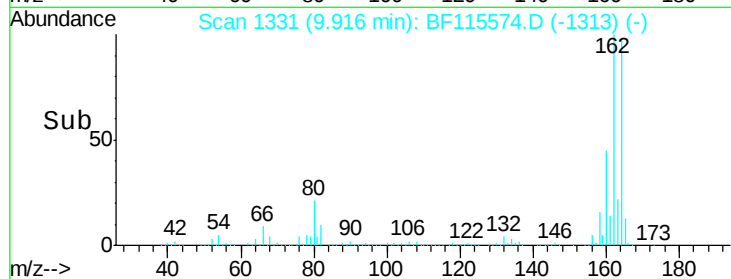
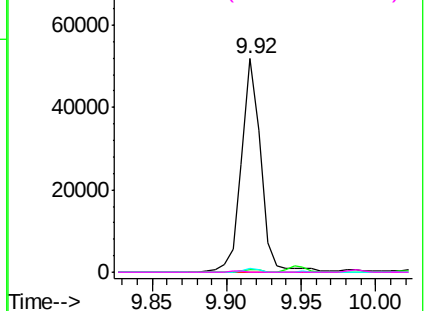


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

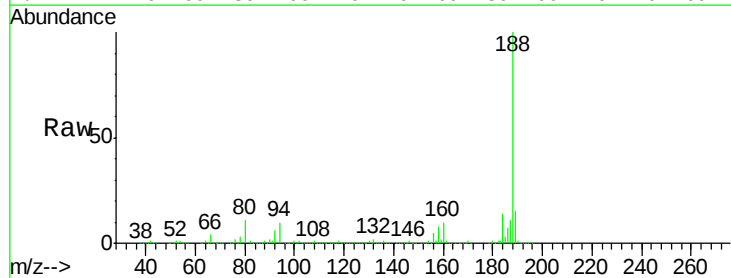
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

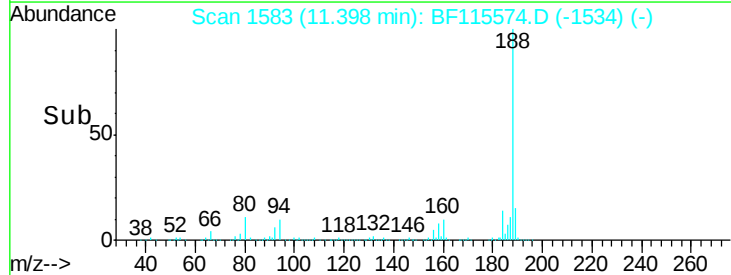
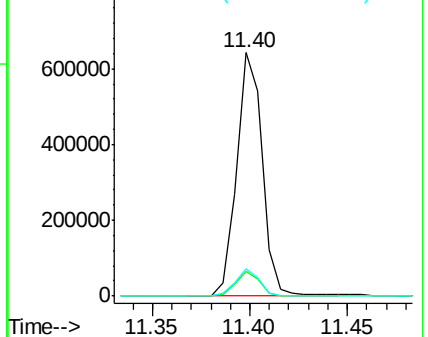
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	11.1	8.6	13.0

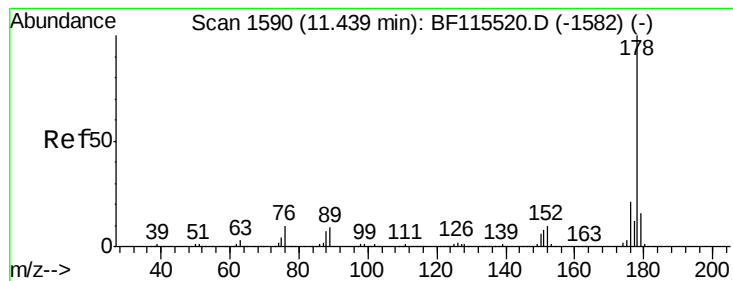


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.225 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

Instrument :

BNA_F

ClientSampleId :

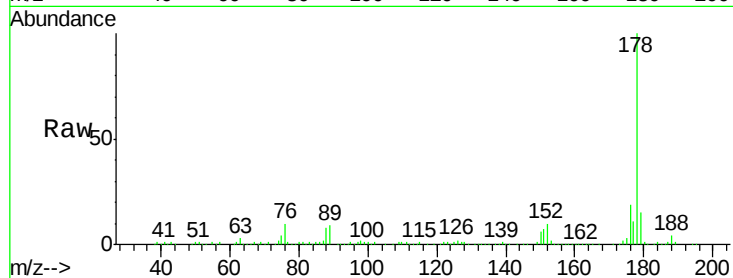
Tot Ion:178 Resp: 186308

Ion Ratio Lower Upper

178 100

176 19.5 17.2 25.8

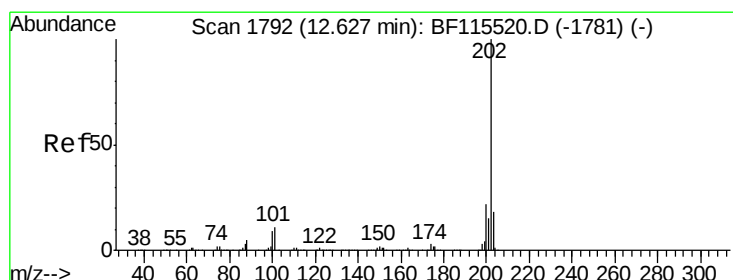
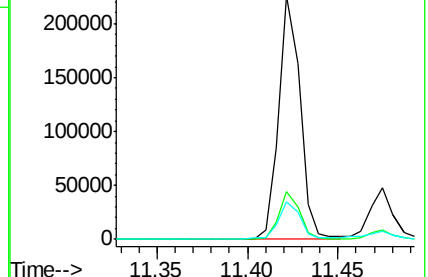
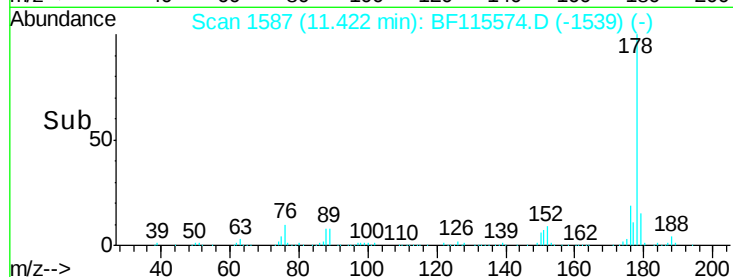
179 15.4 13.5 20.3



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: 5.759 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

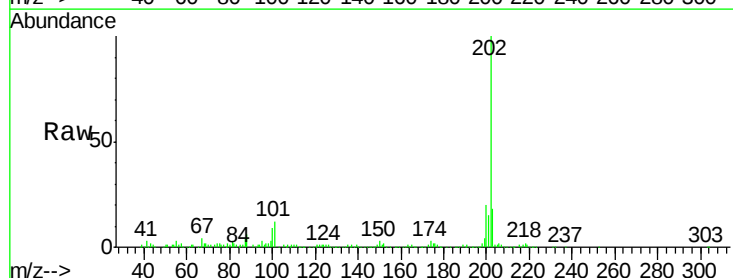
Tgt Ion:202 Resp: 182163

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

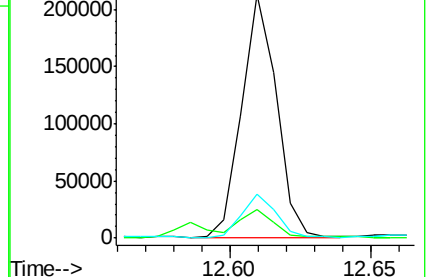
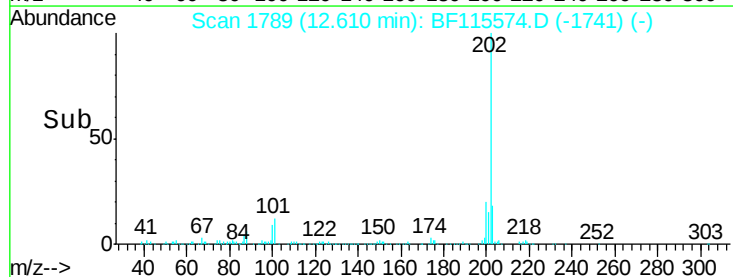
203 17.9 0.0 38.1

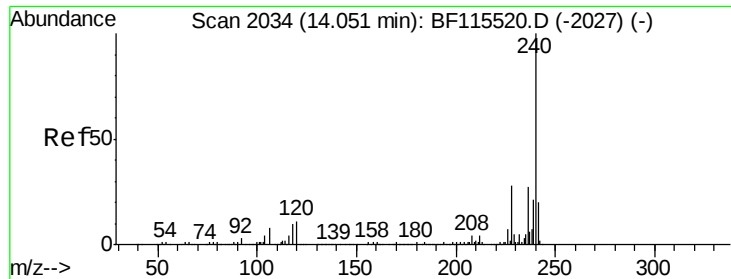


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

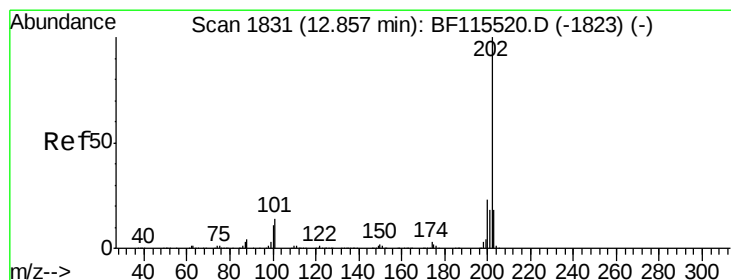
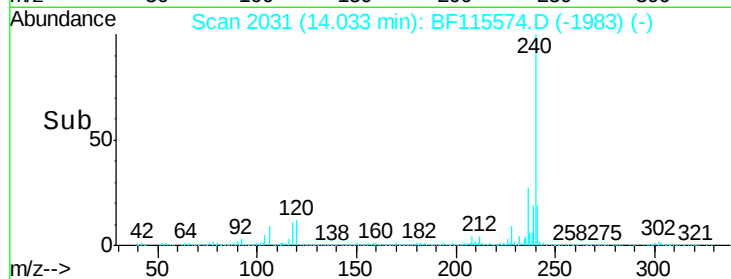
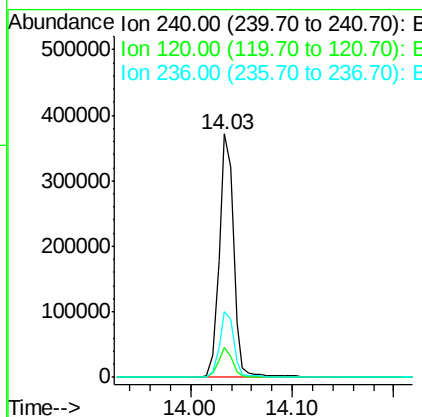
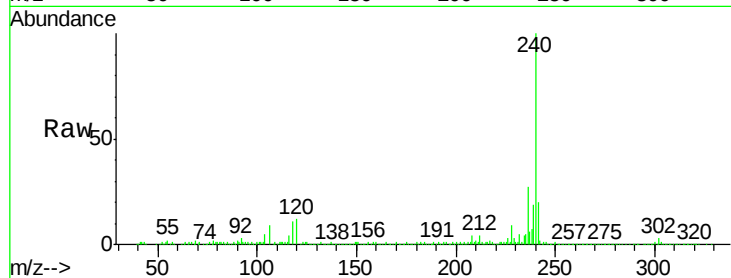




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

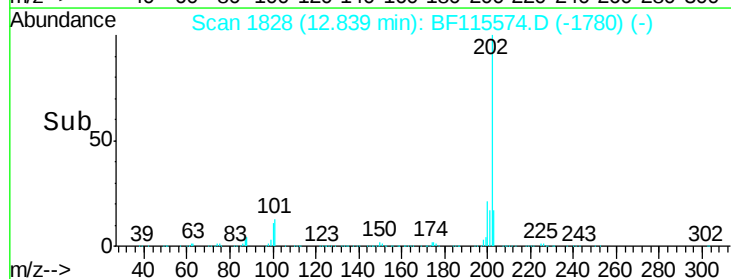
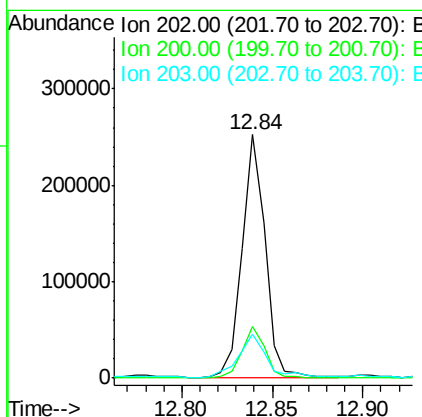
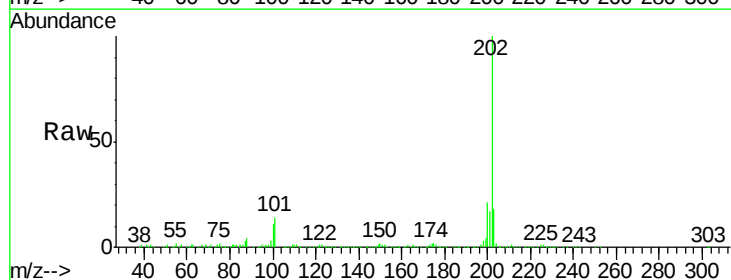
Instrument :
 BNA_F
 ClientSampleId :

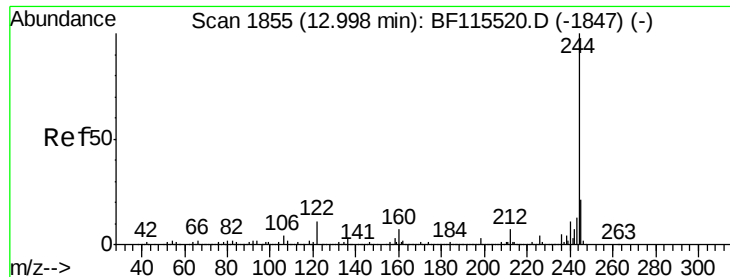
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.6	13.0
236	26.8	21.3	31.9



#78
 Pyrene
 Concen: 7.169 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BF115574.D
 Acq: 15 Jul 2019 23:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.7	28.1
203	17.9	15.2	22.8





#79

Terphenyl-d14

Concen: 31.112 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

Instrument :

BNA_F

ClientSampleId :

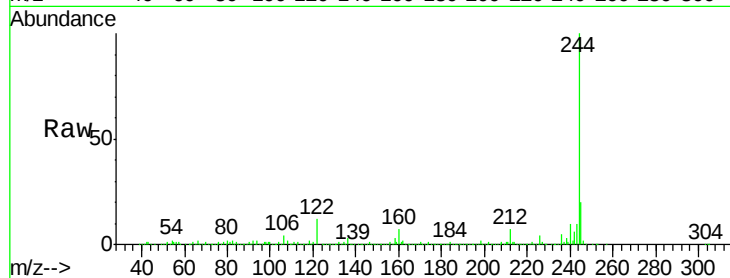
Tot Ion:244 Resp: 613734

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

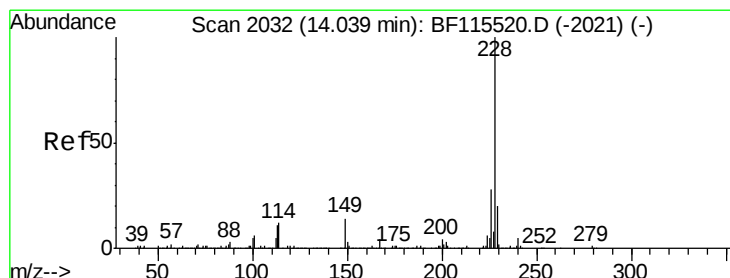
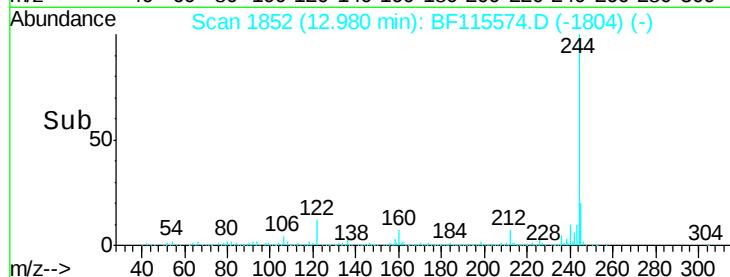
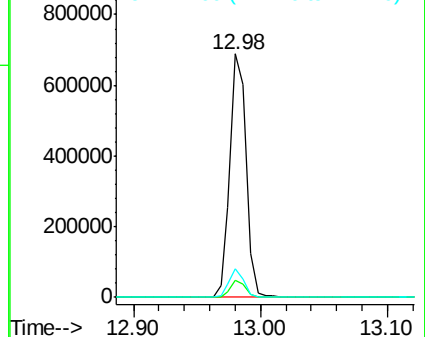
122 11.8 8.6 12.8



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: 3.738 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

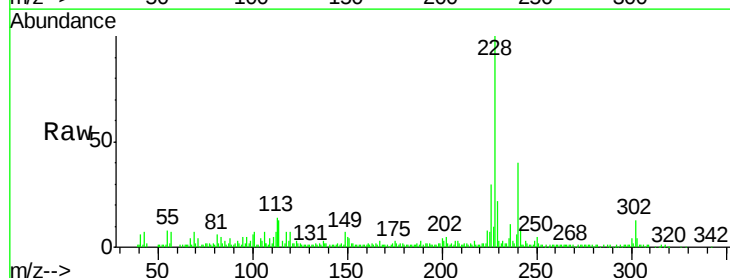
Tgt Ion:228 Resp: 89634

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.0

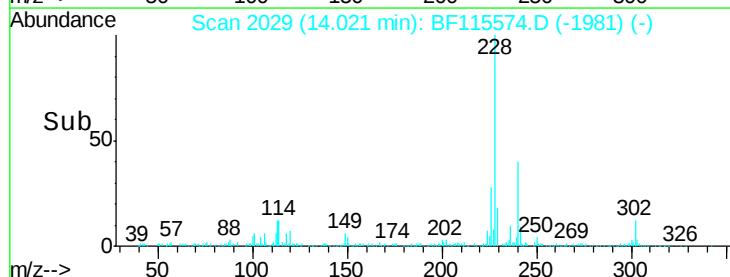
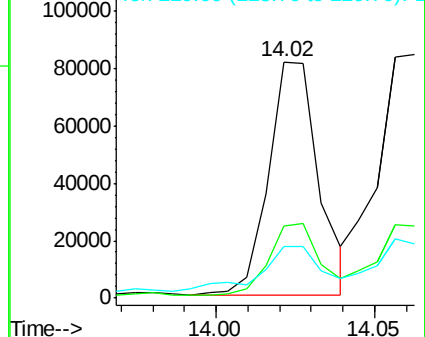
229 21.9 17.2 25.8

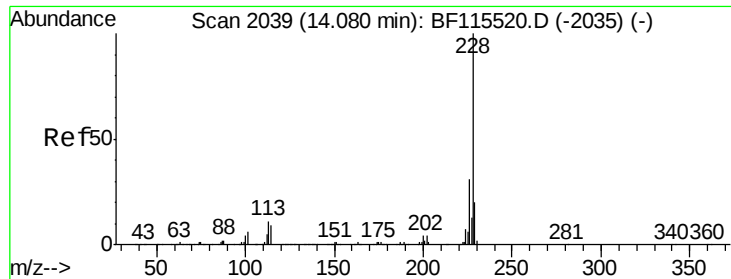


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

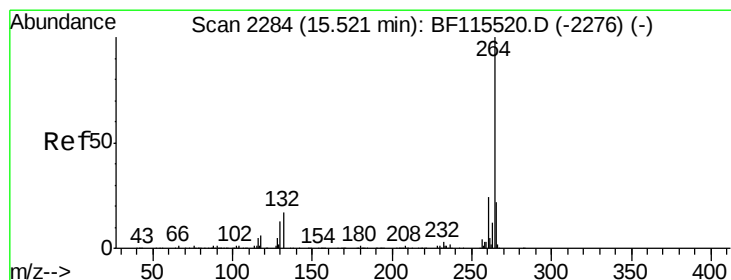
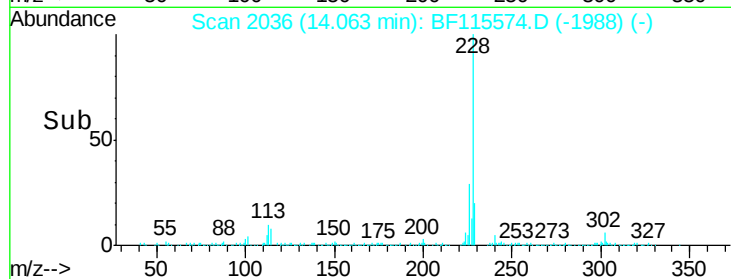
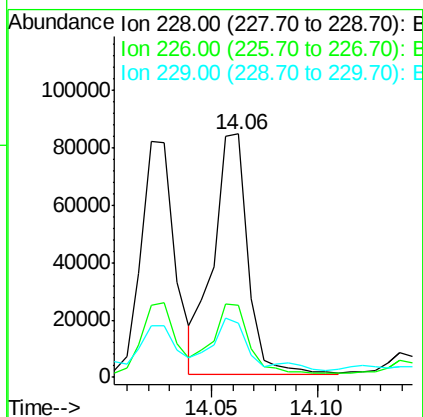
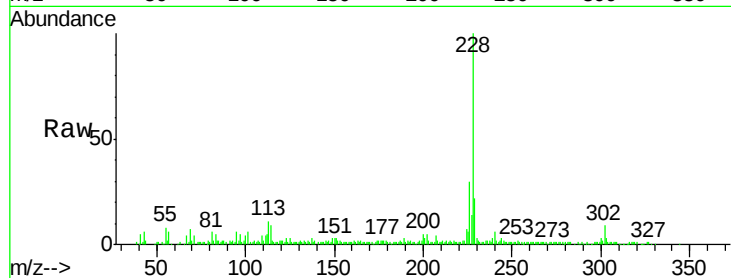




#83
Chrysene
Concen: 3.957 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

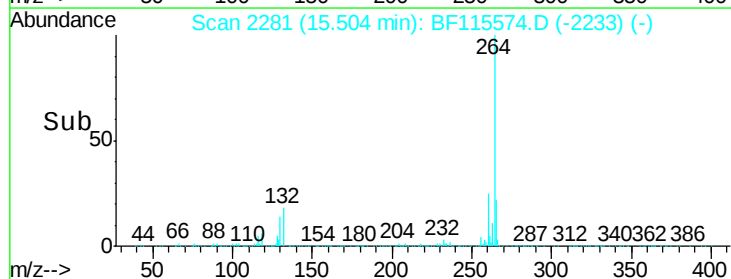
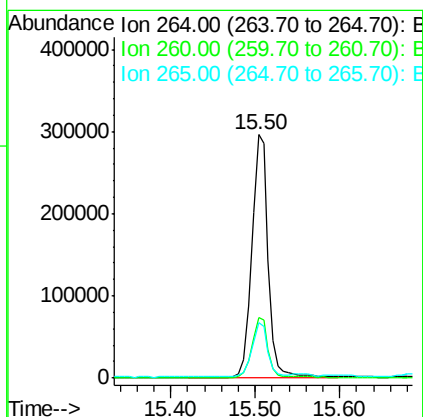
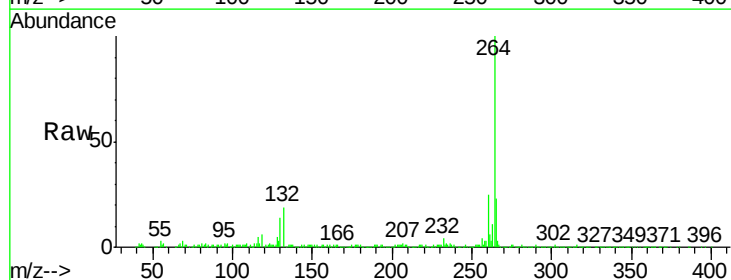
Instrument :
BNA_F
ClientSampleId :

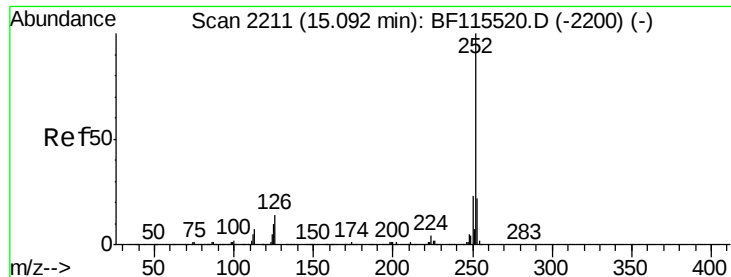
Tot Ion:228 Resp: 95245
Ion Ratio Lower Upper
228 100
226 29.8 25.7 38.5
229 22.5 16.6 25.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

Tgt Ion:264 Resp: 401697
Ion Ratio Lower Upper
264 100
260 25.1 19.8 29.8
265 22.8 17.7 26.5

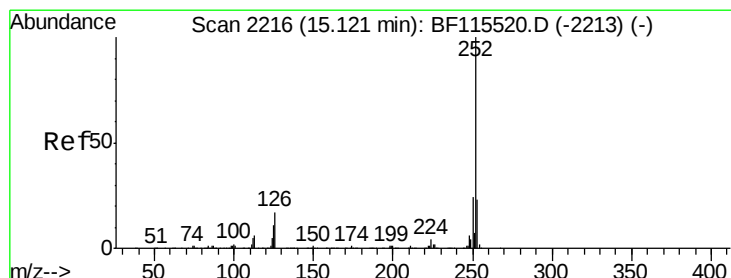
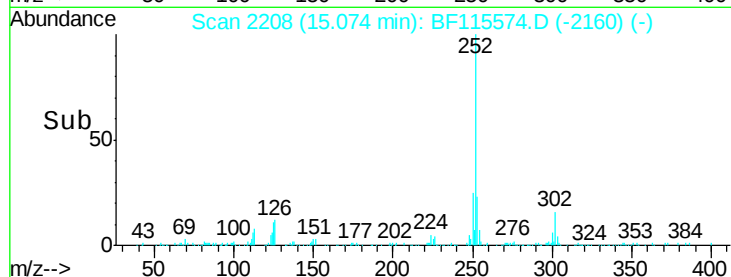
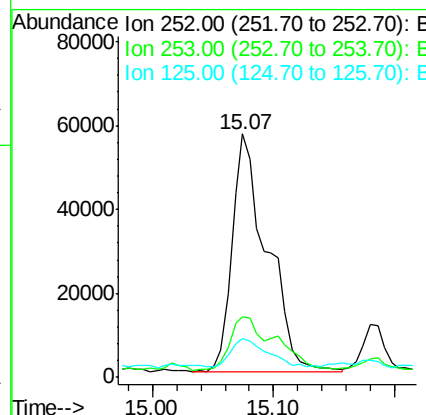
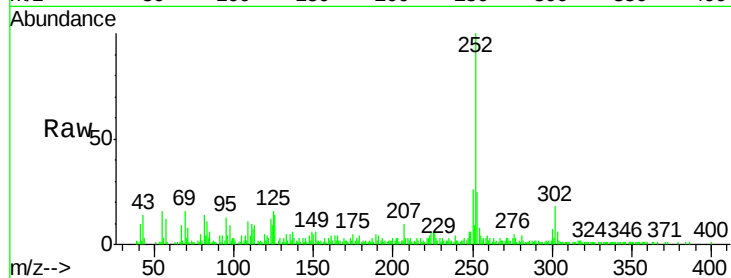




#88
Benzo(b)fluoranthene
Concen: 4.447 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

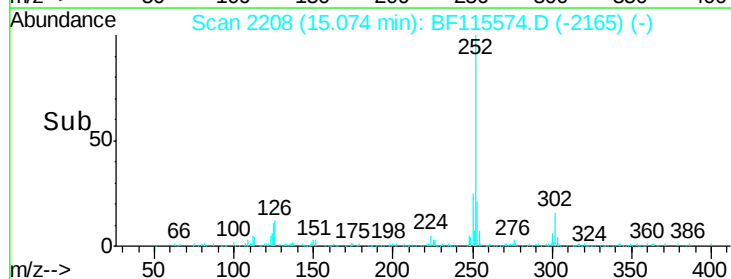
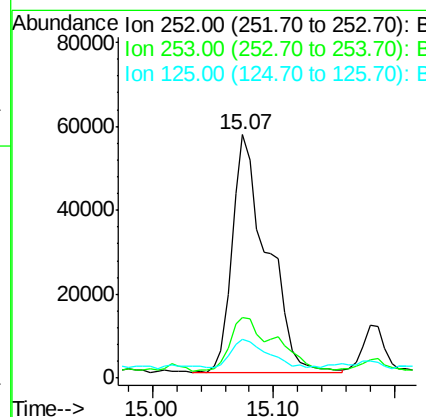
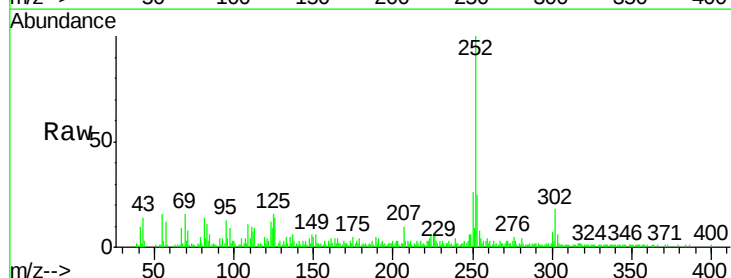
Instrument :
BNA_F
ClientSampleId :

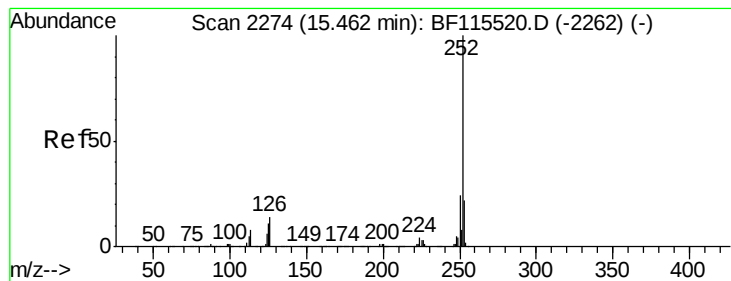
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	16.0	9.0	13.4



#89
Benzo(k)fluoranthene
Concen: 4.988 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF115574.D
Acq: 15 Jul 2019 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.6	28.0
125	16.0	9.0	13.6





#90

Benzo(a)pyrene

Concen: 3.155 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.02 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

Instrument :

BNA_F

ClientSampleId :

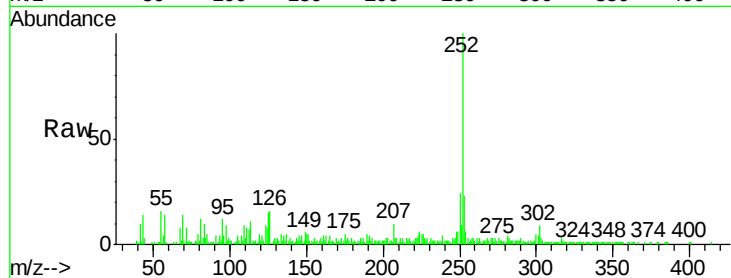
Tot Ion:252 Resp: 70130

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

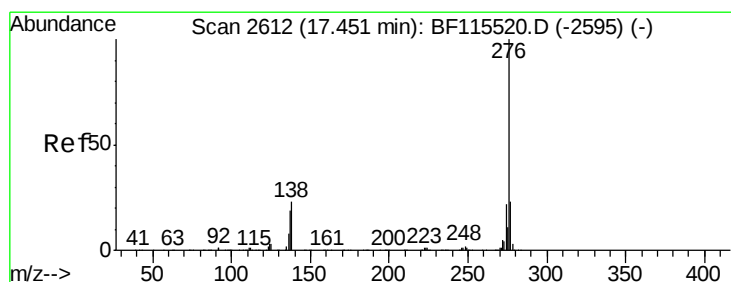
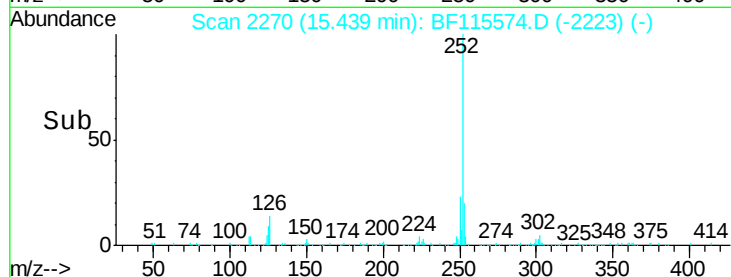
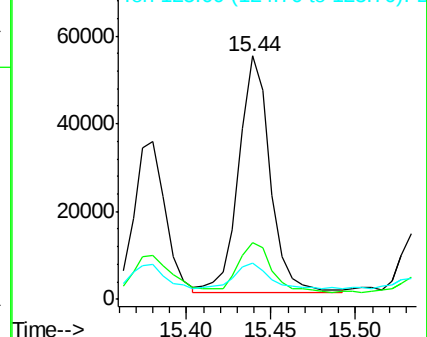
125 14.7 9.1 13.7#



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: 2.053 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.04 min

Lab File: BF115574.D

Acq: 15 Jul 2019 23:13

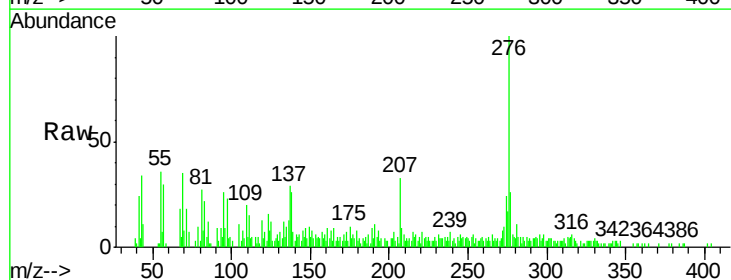
Tgt Ion:276 Resp: 39970

Ion Ratio Lower Upper

276 100

277 26.1 19.0 28.4

138 26.4 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

