

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
 Data File : BF115575.D
 Acq On : 15 Jul 2019 23:40
 Operator : HP/JU
 Sample : K3620-07 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 16 01:46:41 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	222838	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	825528	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	376753	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	550160	20.00	ng	0.00
76) Chrysene-d12	14.03	240	351731	20.00	ng	-0.02
87) Perylene-d12	15.50	264	386380	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	675053	49.55	ng	0.00
7) Phenol-d6	6.50	99	888644	51.41	ng	-0.01
23) Nitrobenzene-d5	7.43	82	537972	37.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	201549	45.83	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	946726	43.98	ng	-0.01
79) Terphenyl-d14	12.98	244	669992	35.15	ng	-0.02

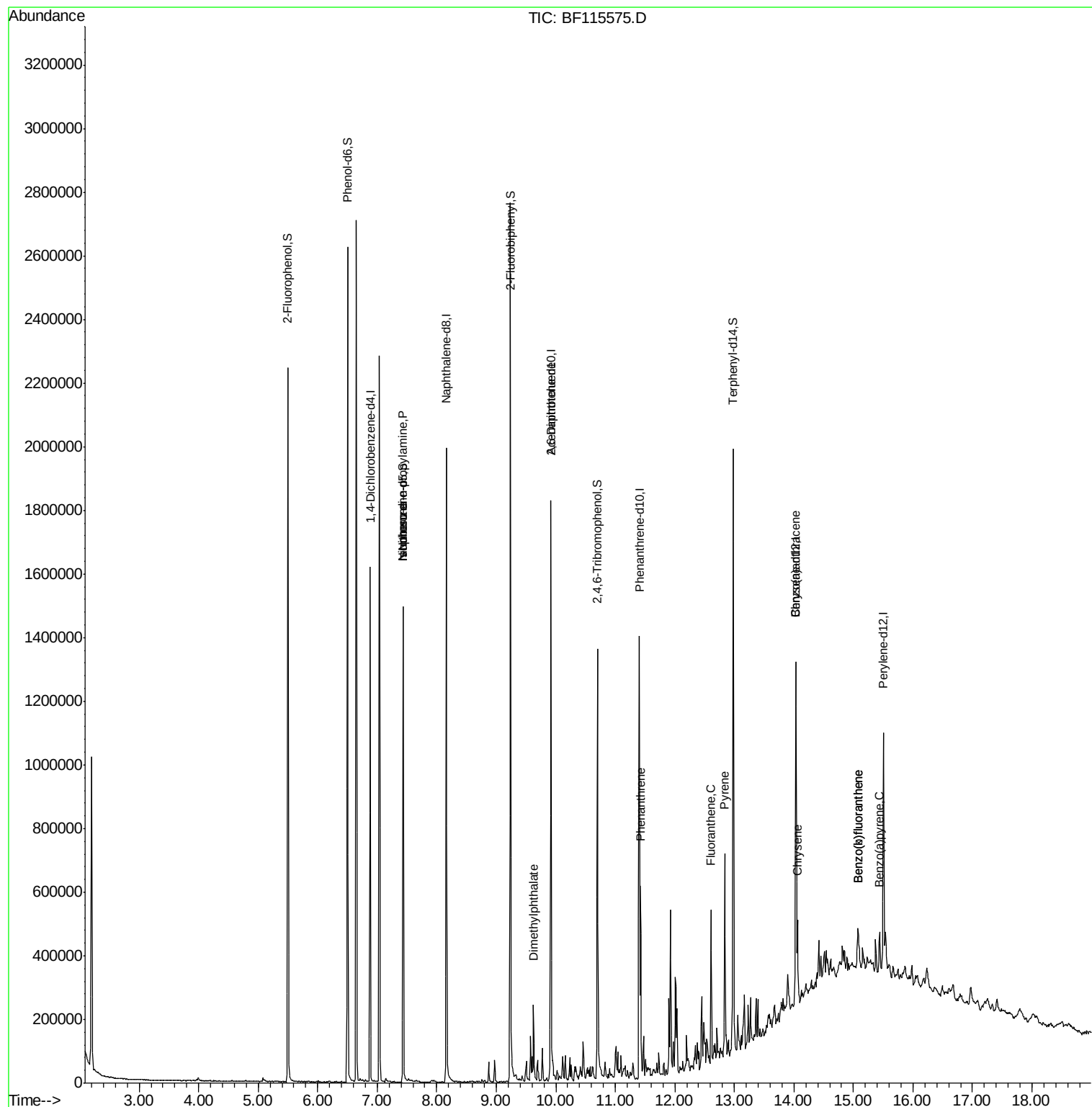
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	70790	6.279	ng	# 78
25) Isophorone	7.43	82	526878	18.546	ng	# 64
50) Dimethylphthalate	9.63	163	104792	3.697	ng	98
51) 2,6-Dinitrotoluene	9.92	165	48402	7.514	ng	# 27
71) Phenanthrene	11.42	178	209828	7.441	ng	95
75) Fluoranthene	12.61	202	166001	5.570	ng	98
78) Pyrene	12.84	202	245848	8.250	ng	96
81) Benzo(a)anthracene	14.03	228	94943	4.097	ng	95
83) Chrysene	14.06	228	107885	4.638	ng	95
88) Benzo(b)fluoranthene	15.07	252	106914	4.297	ng	# 90
89) Benzo(k)fluoranthene	15.07	252	106914	4.820	ng	# 91
90) Benzo(a)pyrene	15.44	252	73174	3.422	ng	# 94

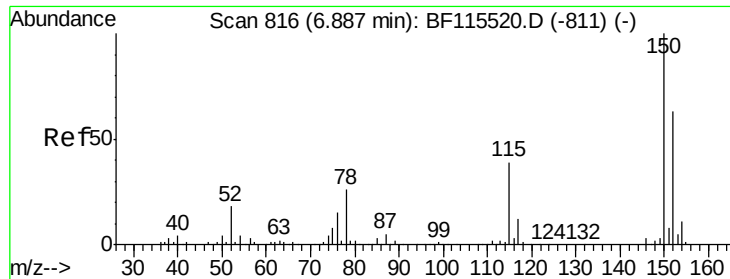
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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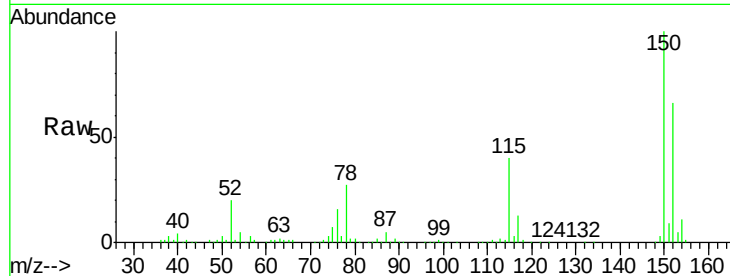


#1

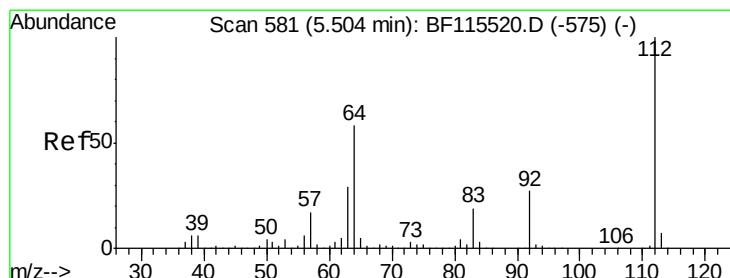
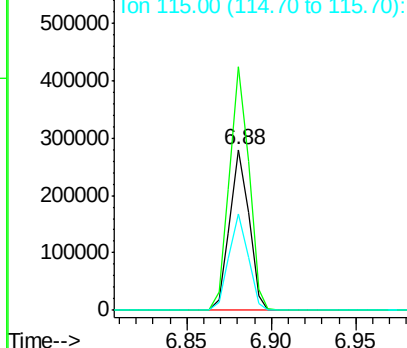
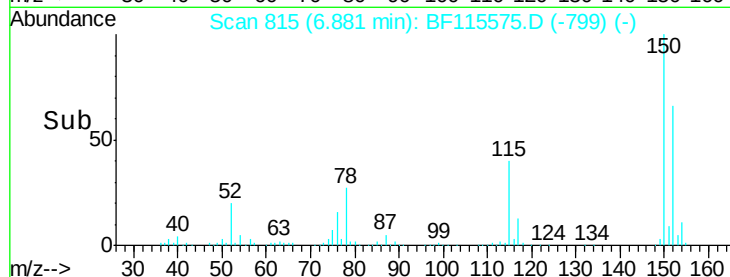
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 222838
Ion Ratio Lower Upper
152 100
150 151.3 129.7 194.5
115 60.2 48.2 72.4



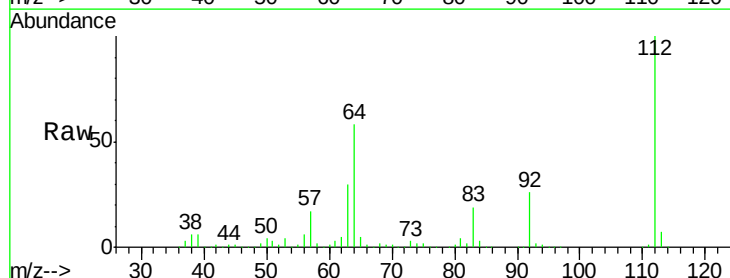
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



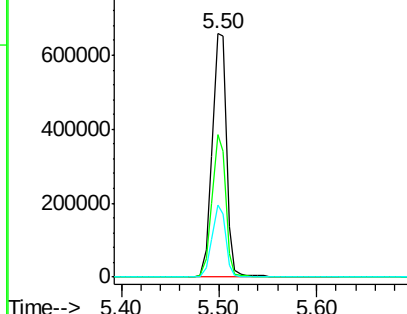
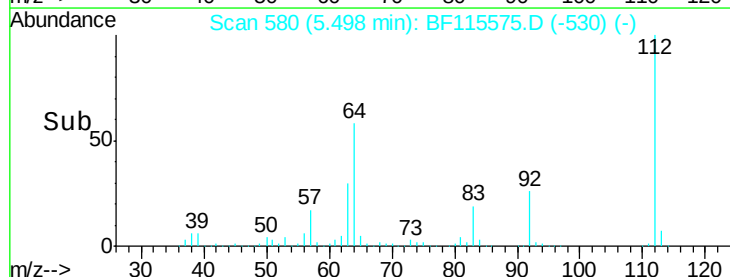
#5

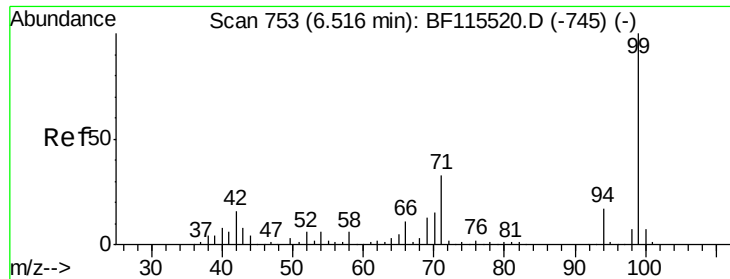
2-Fluorophenol
Concen: 49.551 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion:112 Resp: 675053
Ion Ratio Lower Upper
112 100
64 58.4 46.8 70.2
63 29.9 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: 51.407 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

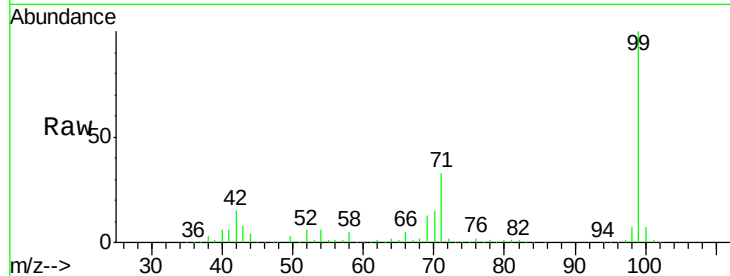
Tot Ion: 99 Resp: 888644

Ion Ratio Lower Upper

99 100

42 15.4 13.6 20.4

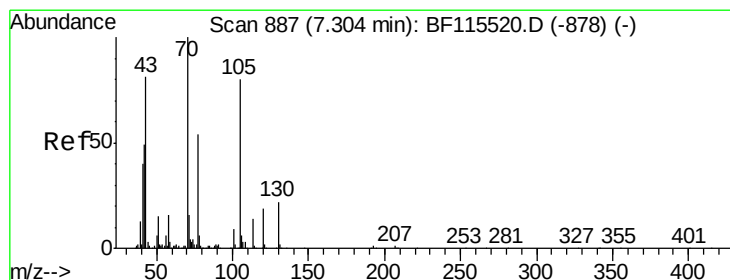
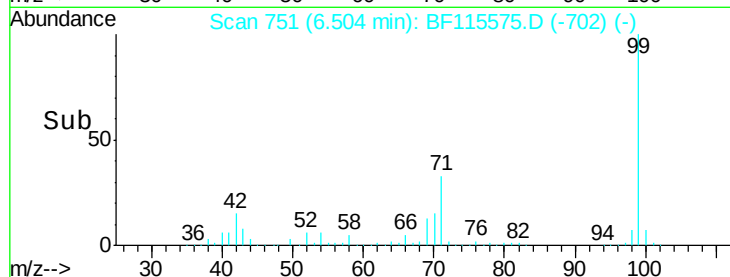
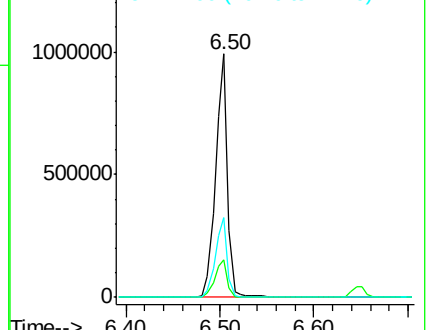
71 32.6 28.5 42.7



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: 6.279 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Tgt Ion: 70 Resp: 70790

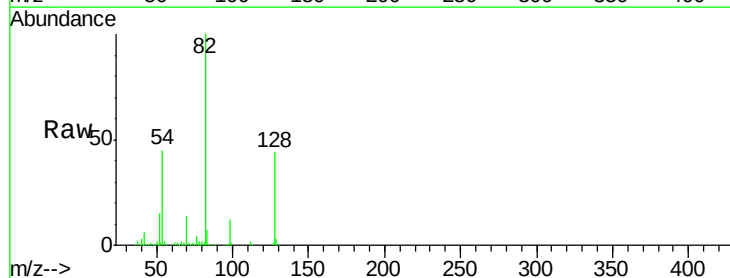
Ion Ratio Lower Upper

70 100

42 41.3 39.6 59.4

101 0.0 8.1 12.1#

130 1.9 18.2 27.2#

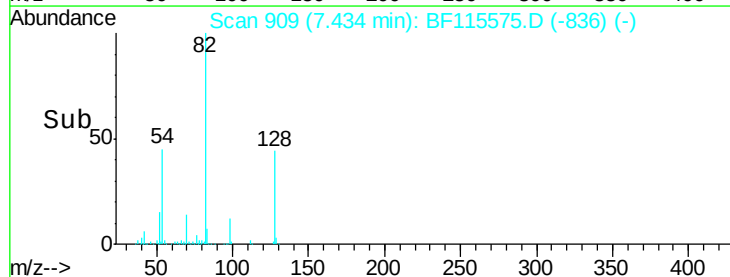
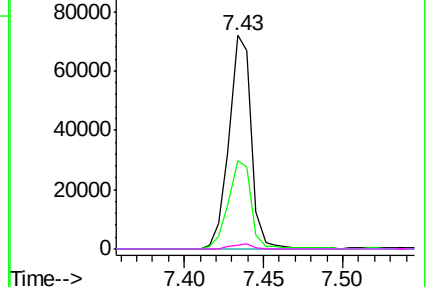


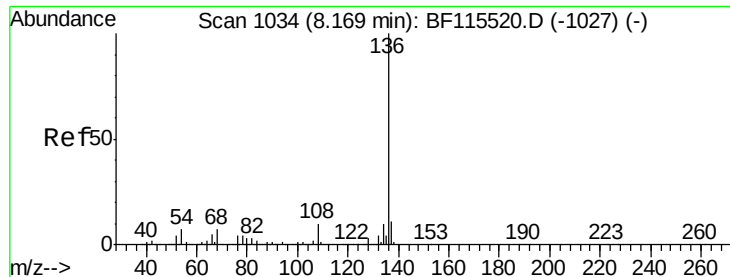
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

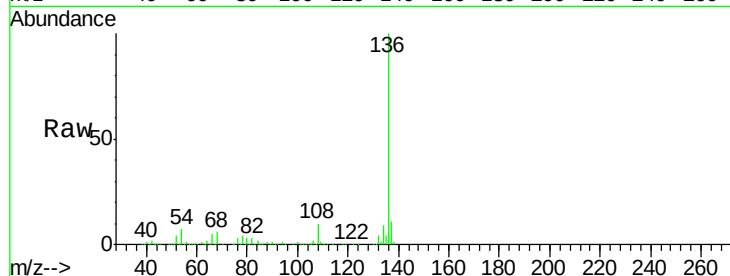




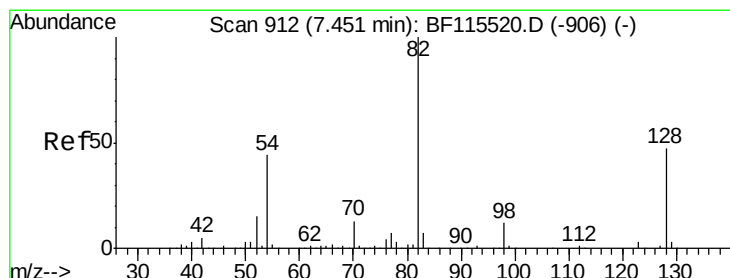
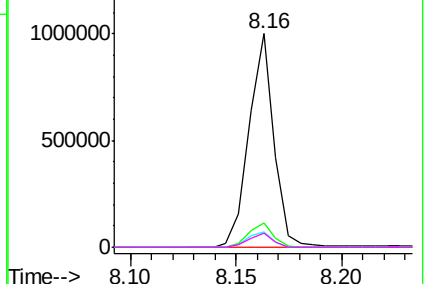
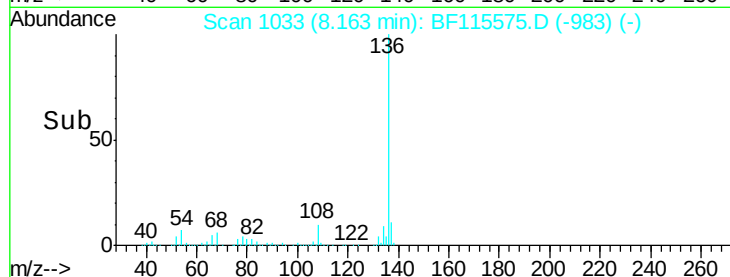
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	825528
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.0	13.4
54 7.0	5.6	8.4
68 6.3	5.0	7.6

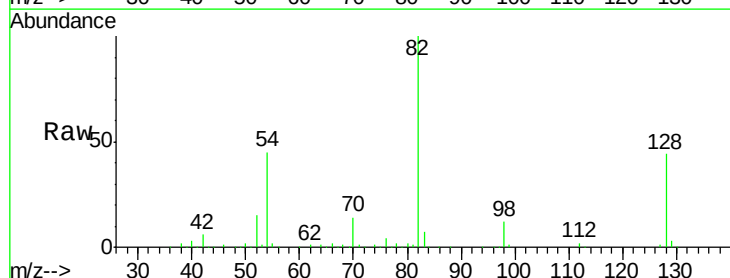


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

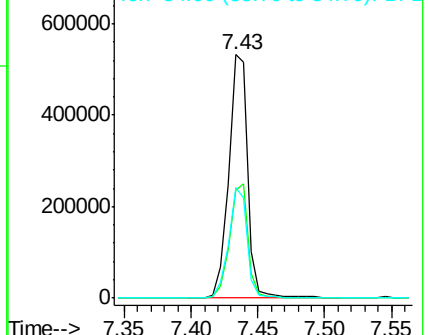
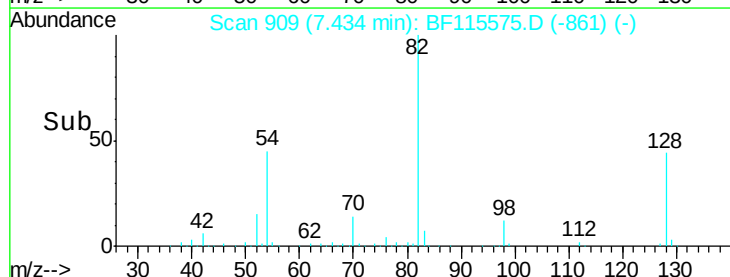


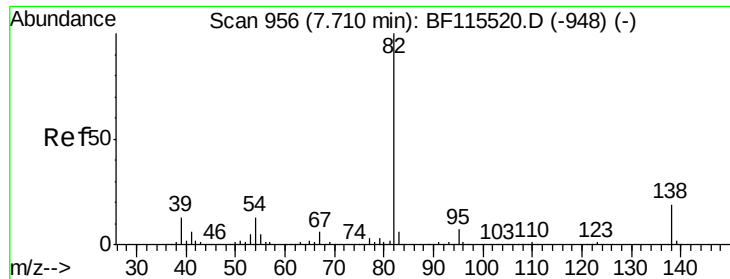
#23
Nitrobenzene-d5
Concen: 37.892 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion: 82	Resp: 537972
Ion Ratio	Lower Upper
82 100	
128 44.2	38.6 57.8
54 45.5	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

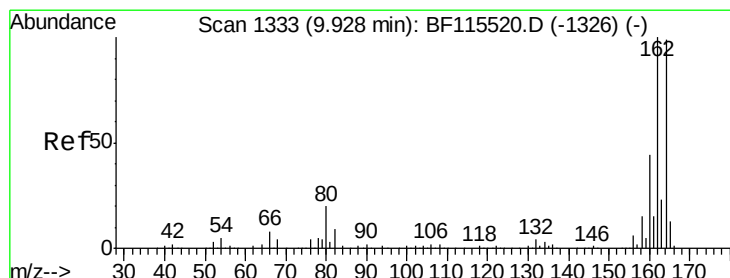
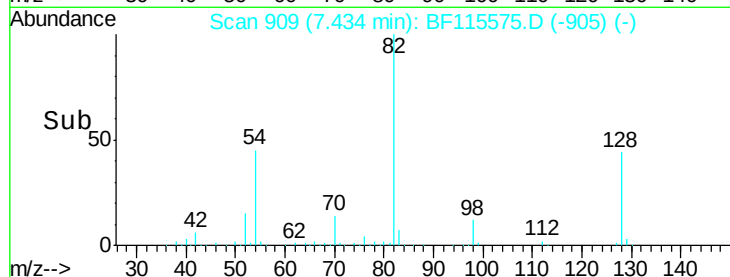
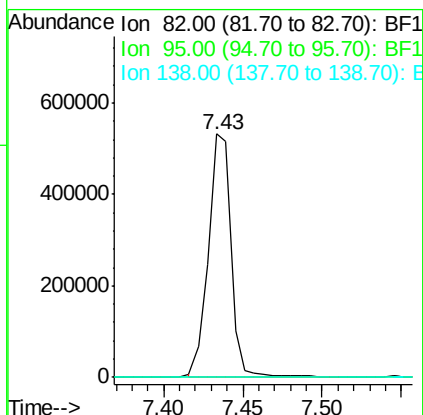
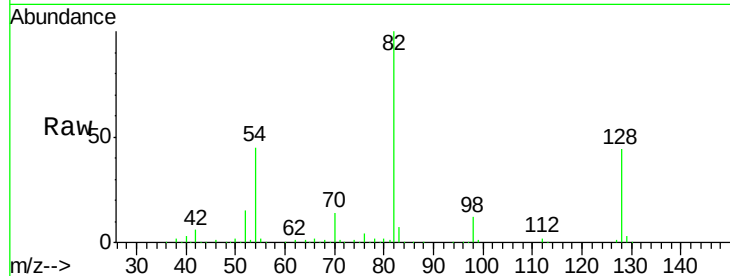




#25
Isophorone
Concen: 18.546 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.28 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

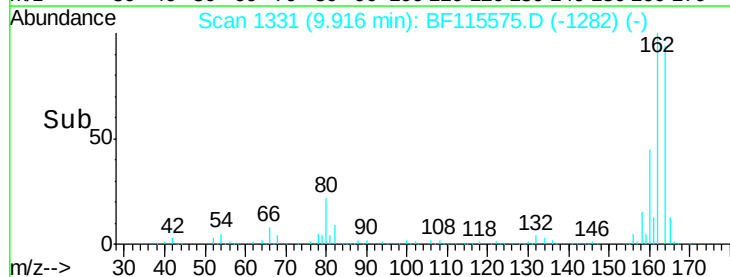
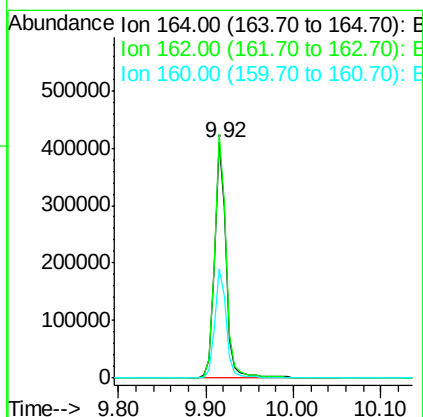
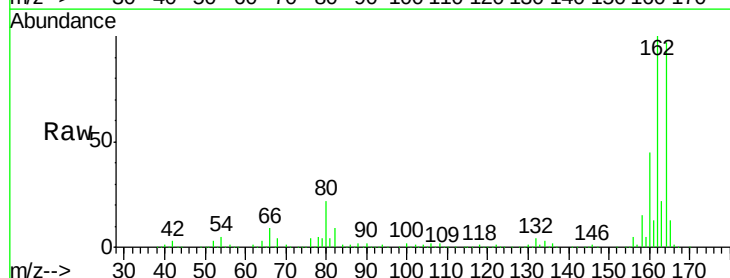
Instrument :
BNA_F
ClientSampleId :

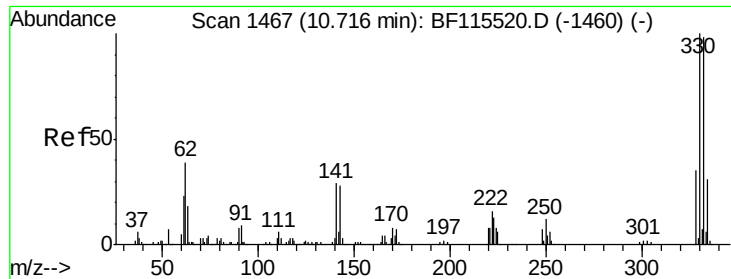
Tot Ion: 82 Resp: 526878
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion:164 Resp: 376753
Ion Ratio Lower Upper
164 100
162 103.4 82.9 124.3
160 46.3 36.8 55.2





#42

2,4,6-Tribromophenol

Concen: 45.831 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampled :

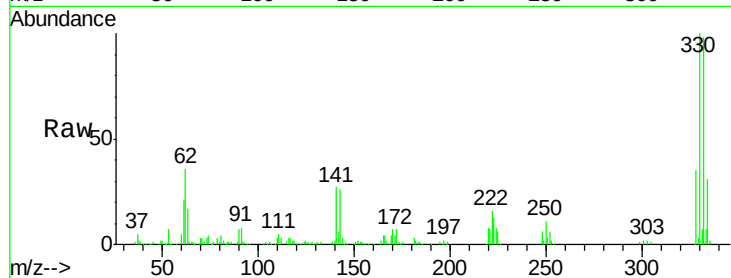
Tot Ion:330 Resp: 201549

Ion Ratio Lower Upper

330 100

332 98.4 77.4 116.2

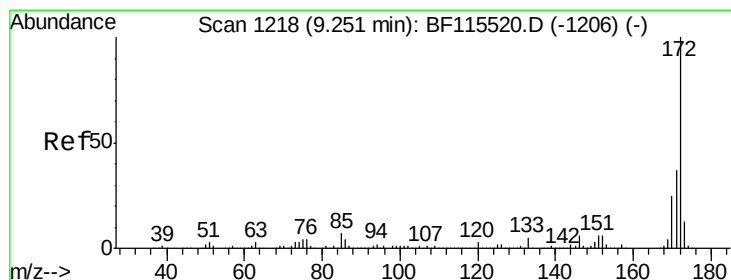
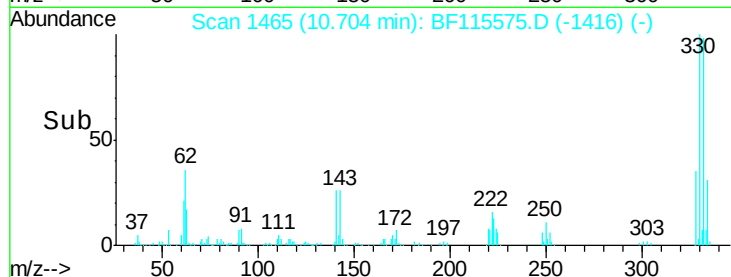
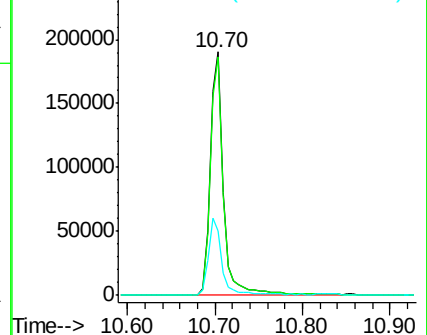
141 32.6 22.4 33.6



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: 43.982 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

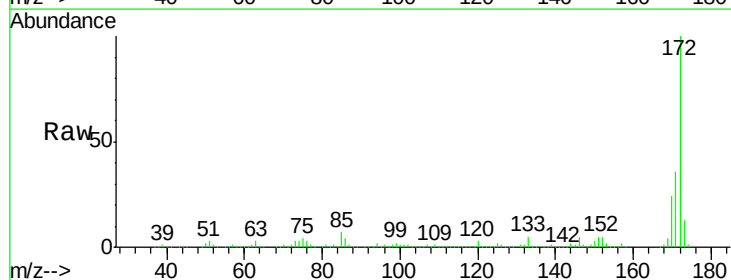
Tgt Ion:172 Resp: 946726

Ion Ratio Lower Upper

172 100

171 35.7 30.6 46.0

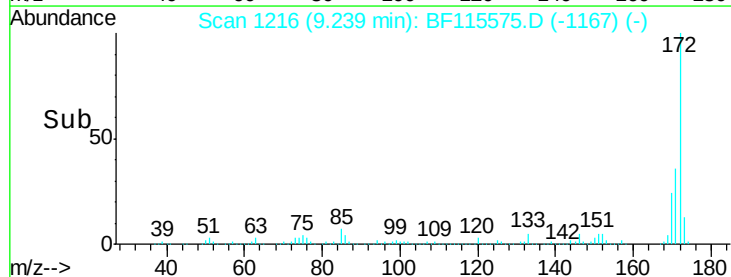
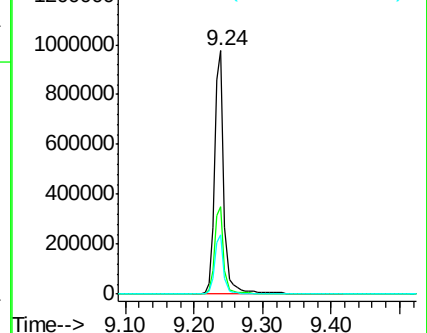
170 24.4 20.5 30.7

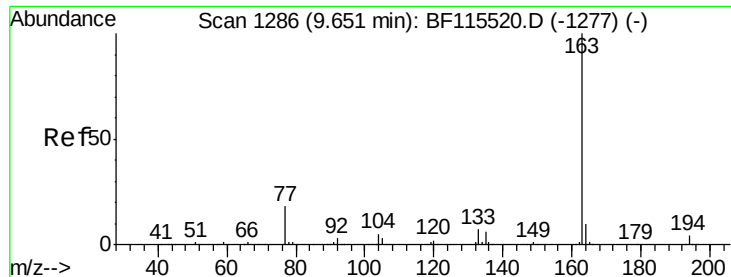


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

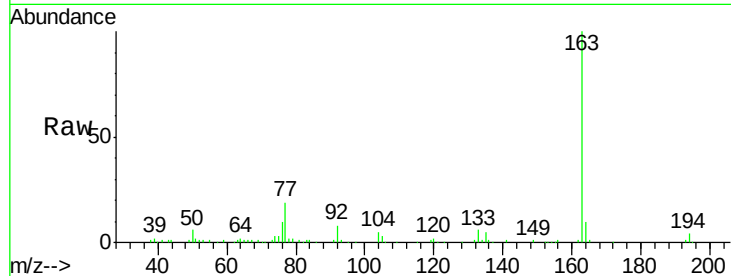




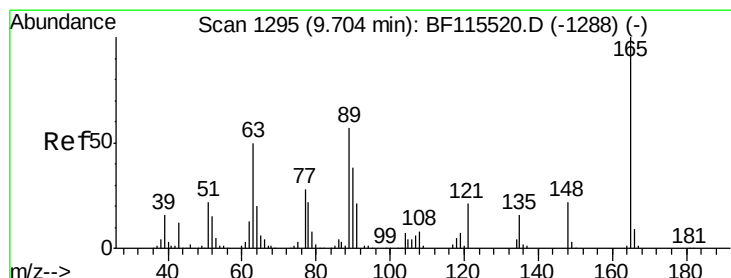
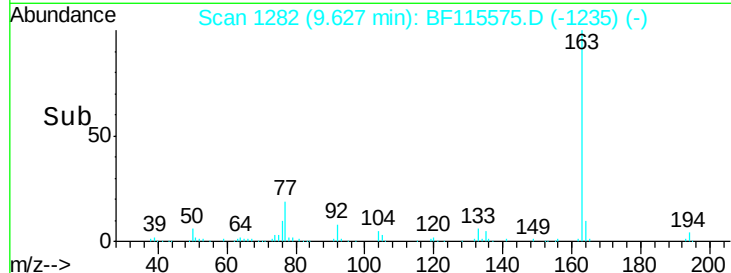
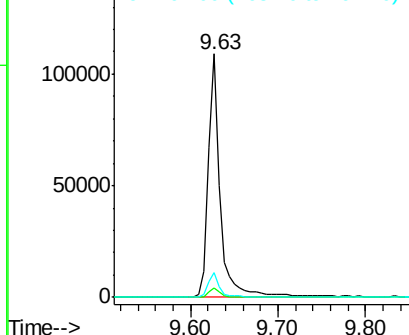
#50
Dimethylphthalate
Concen: 3.697 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.7	13.1

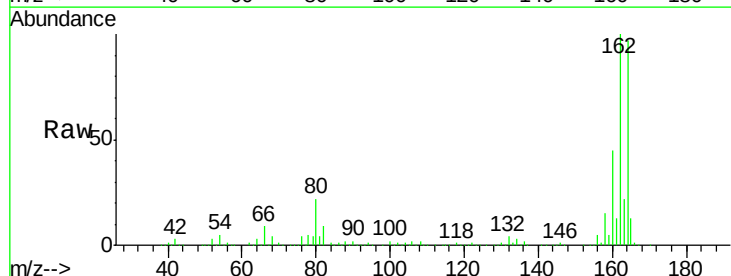


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

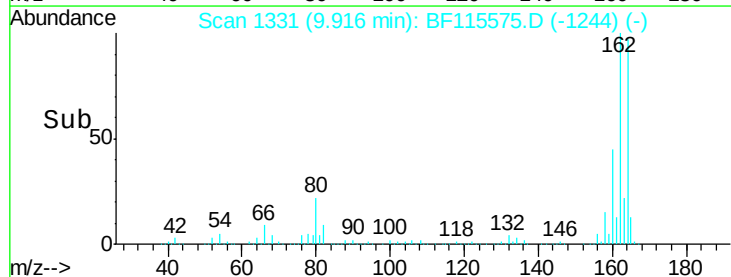
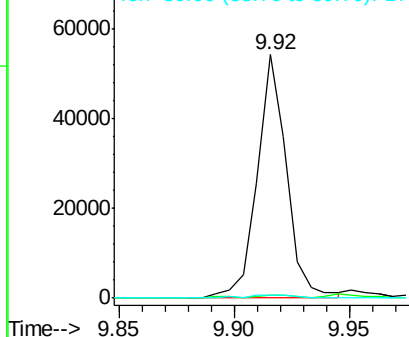


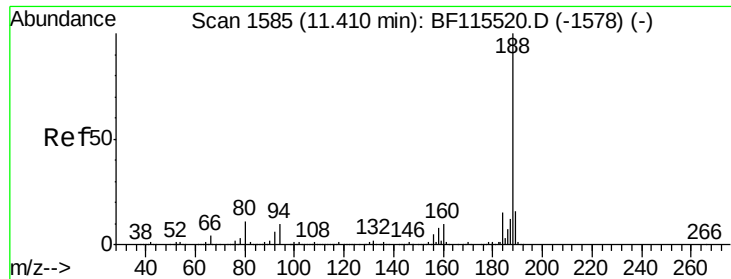
#51
2,6-Dinitrotoluene
Concen: 7.514 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.6	61.0#
89	1.3	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

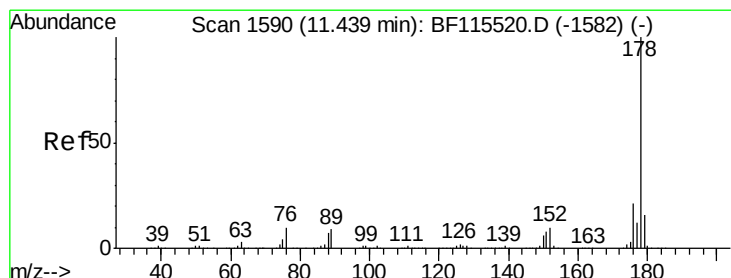
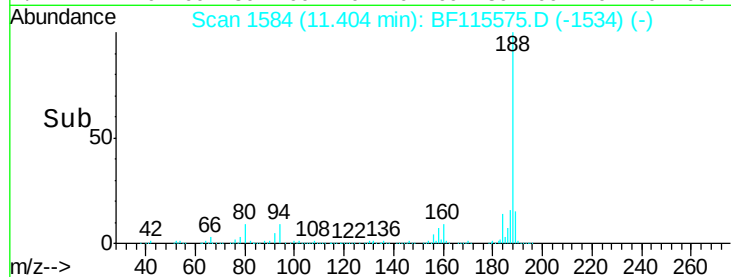
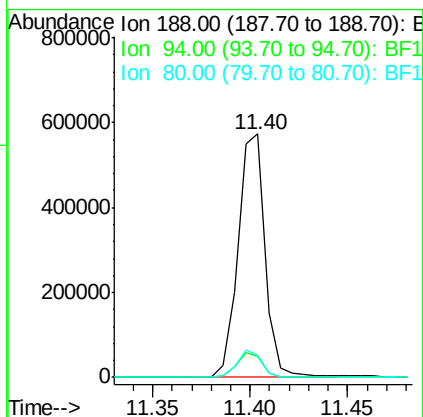
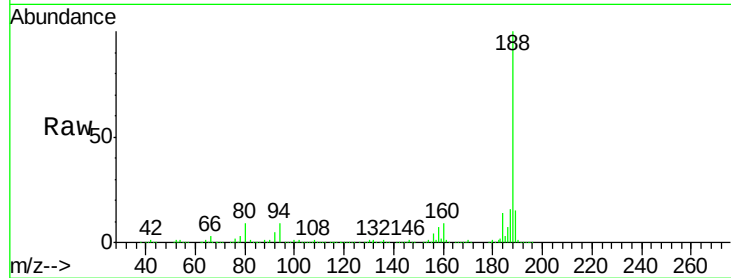




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115575.D
 Acq: 15 Jul 2019 23:40

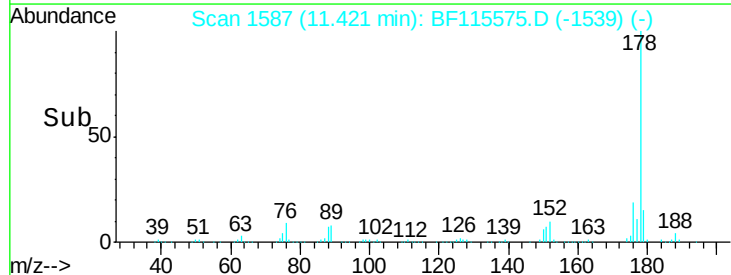
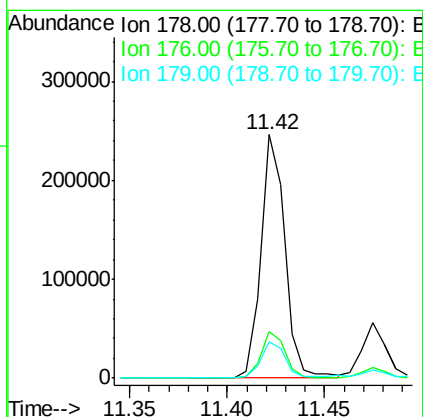
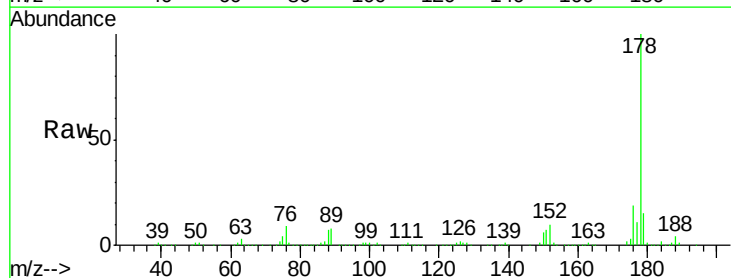
Instrument :
 BNA_F
 ClientSampleId :

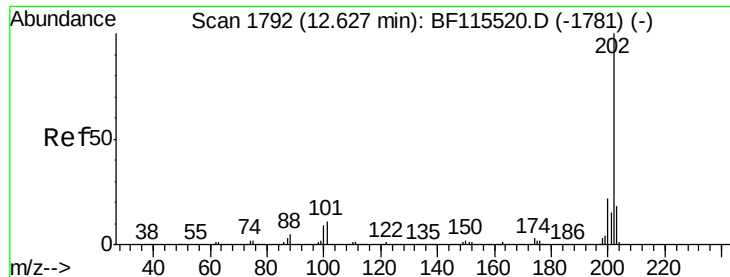
Tot Ion:188 Resp: 550160
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.8 11.6
 80 8.9 8.6 13.0



#71
 Phenanthrene
 Concen: 7.441 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: BF115575.D
 Acq: 15 Jul 2019 23:40

Tgt Ion:178 Resp: 209828
 Ion Ratio Lower Upper
 178 100
 176 18.9 17.2 25.8
 179 14.8 13.5 20.3





#75

Fluoranthene

Concen: 5.570 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

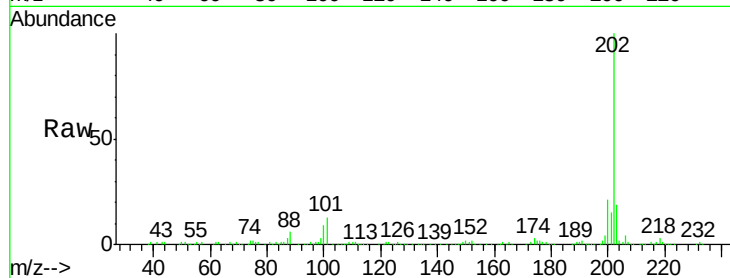
Tot Ion:202 Resp: 166001

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.4

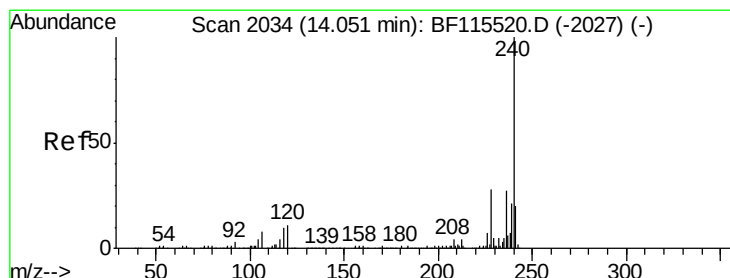
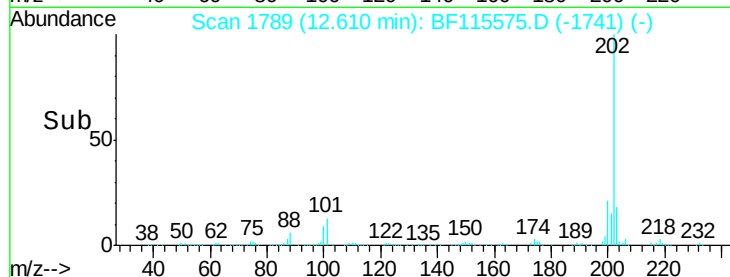
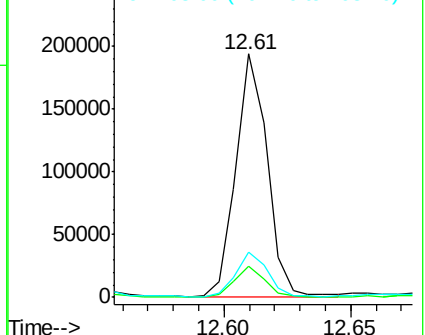
203 18.6 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

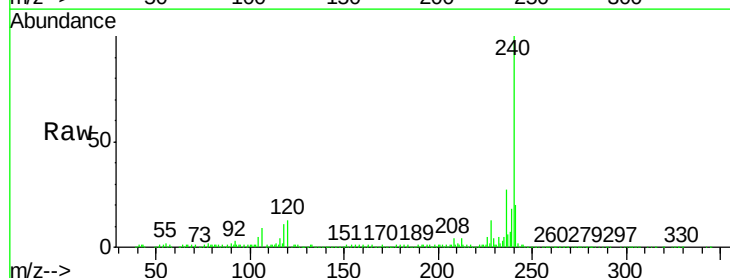
Tgt Ion:240 Resp: 351731

Ion Ratio Lower Upper

240 100

120 12.8 8.6 13.0

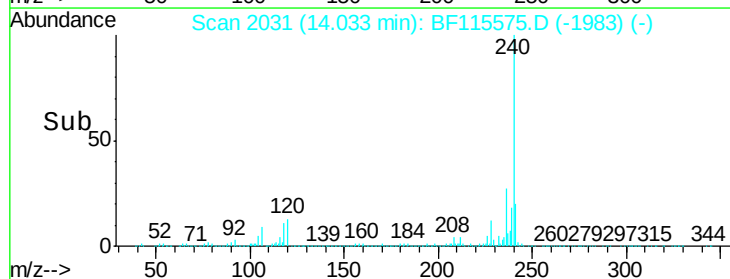
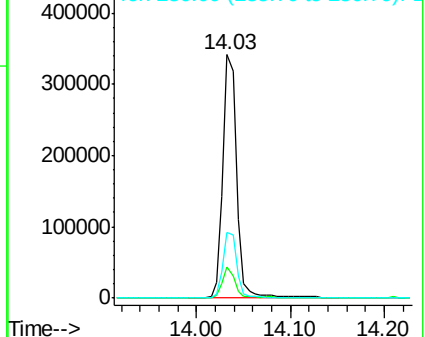
236 26.8 21.3 31.9

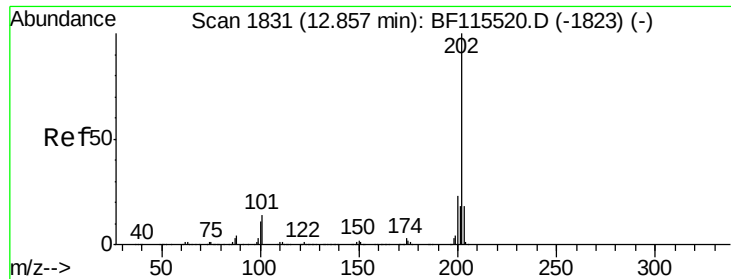


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.250 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

Instrument :

BNA_F

ClientSampleId :

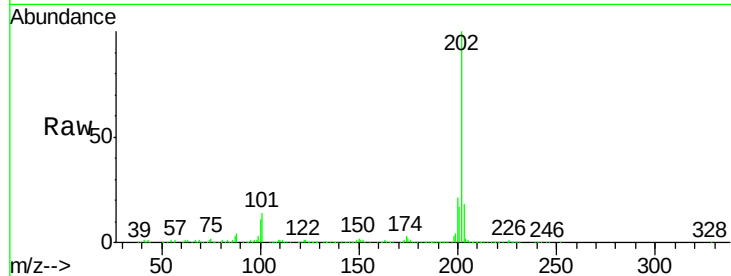
Tot Ion:202 Resp: 245848

Ion Ratio Lower Upper

202 100

200 21.1 18.7 28.1

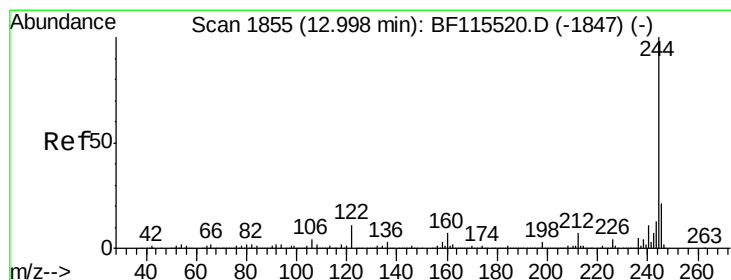
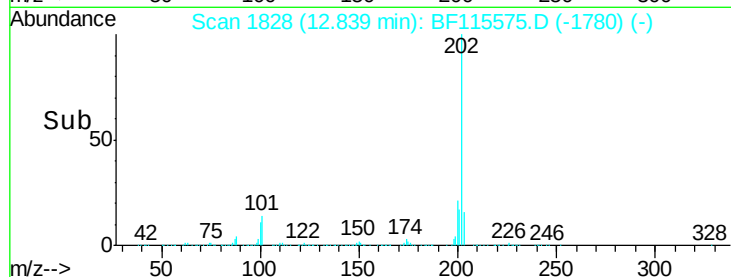
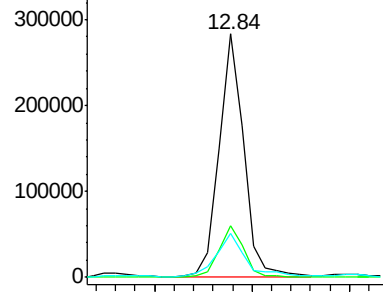
203 17.8 15.2 22.8



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: 35.148 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115575.D

Acq: 15 Jul 2019 23:40

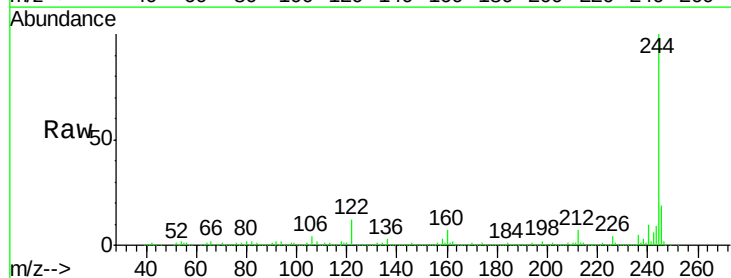
Tgt Ion:244 Resp: 669992

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

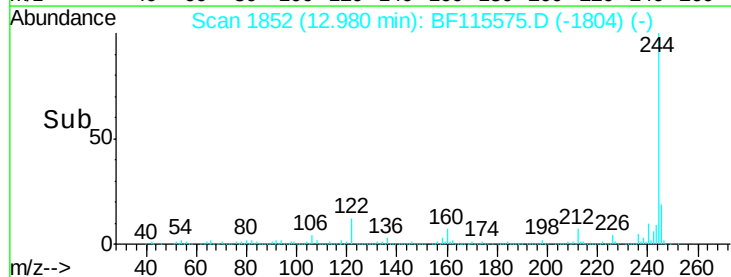
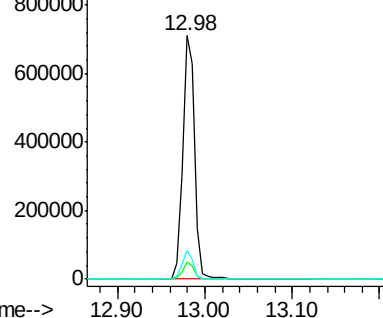
122 11.9 8.6 12.8

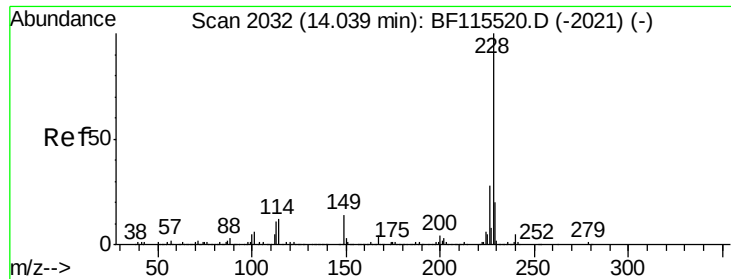


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

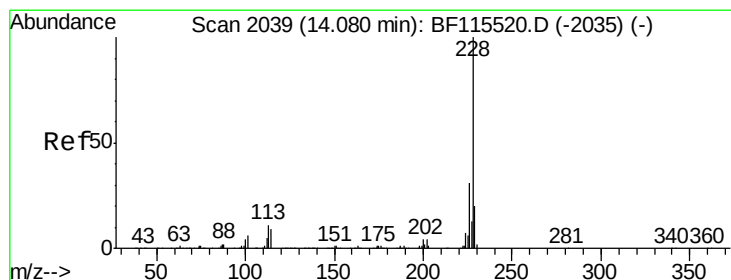
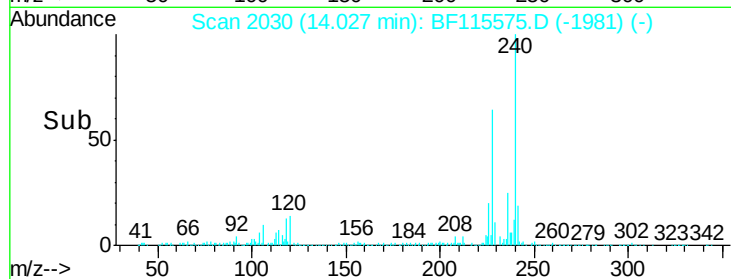
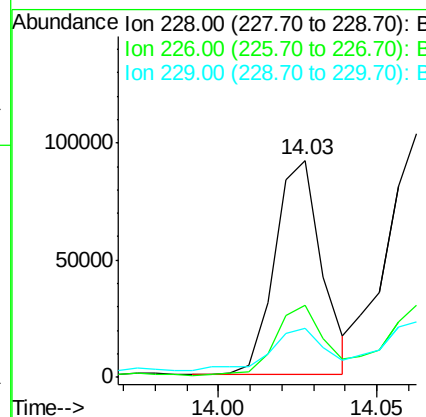
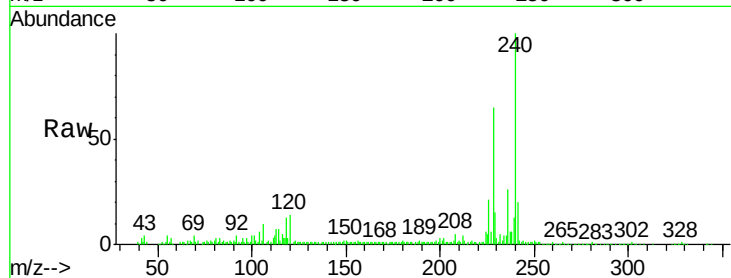




#81
Benzo(a)anthracene
Concen: 4.097 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

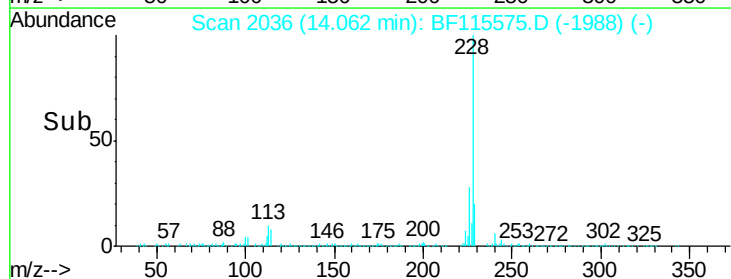
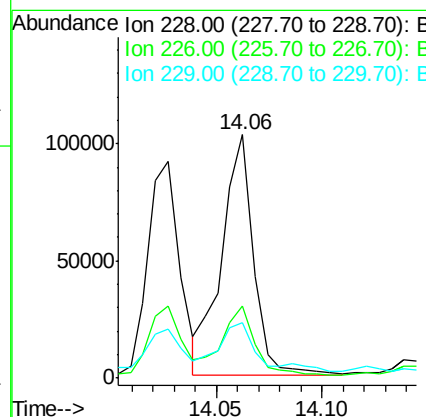
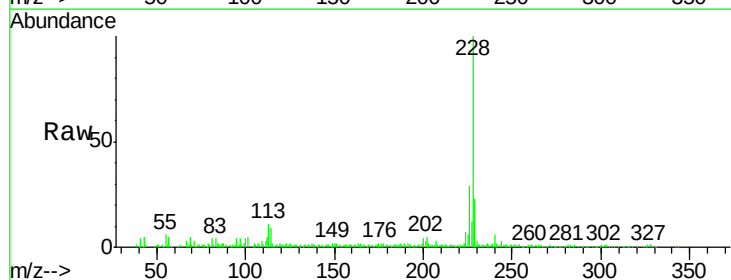
Instrument :
BNA_F
ClientSampleId :

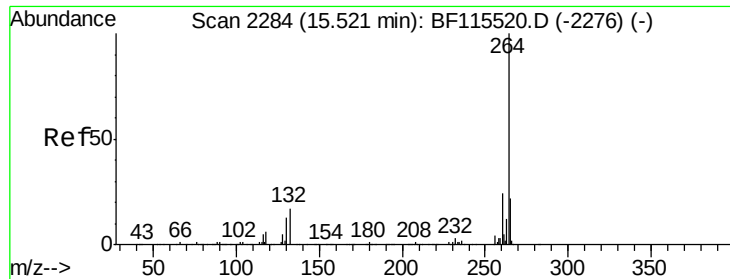
Tot Ion:228 Resp: 94943
Ion Ratio Lower Upper
228 100
226 32.9 23.4 35.0
229 22.4 17.2 25.8



#83
Chrysene
Concen: 4.638 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion:228 Resp: 107885
Ion Ratio Lower Upper
228 100
226 29.4 25.7 38.5
229 22.9 16.6 25.0

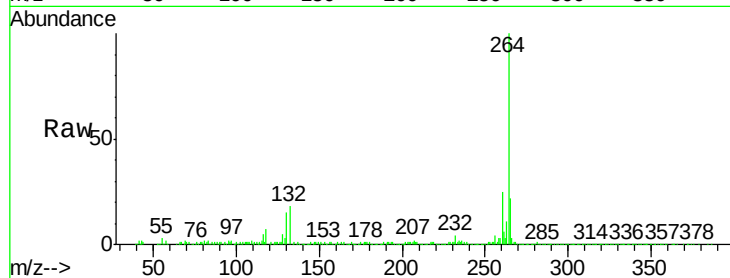




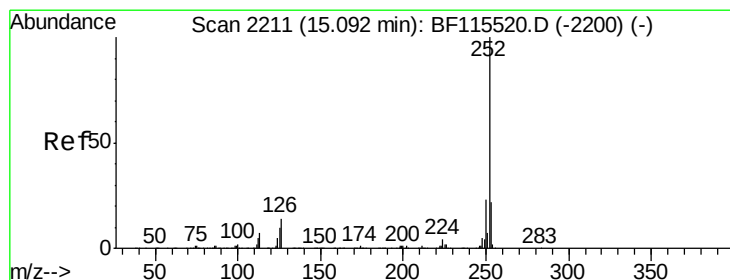
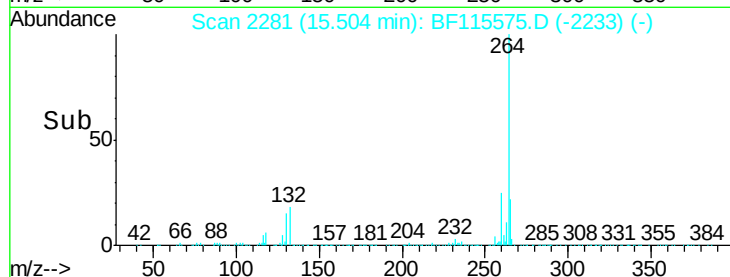
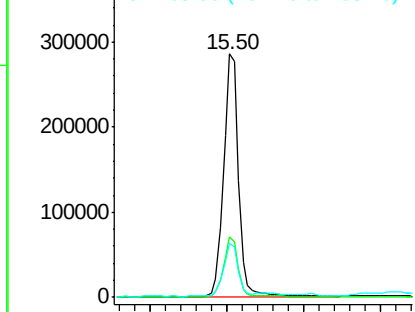
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	22.2	17.7	26.5

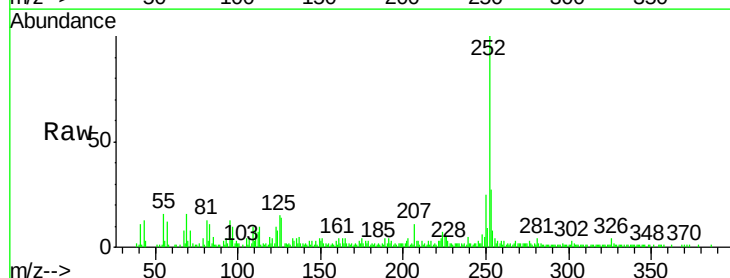


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

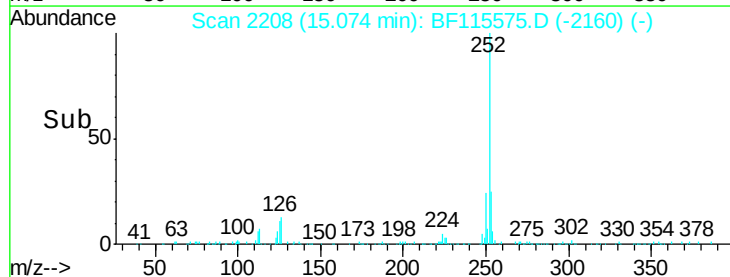
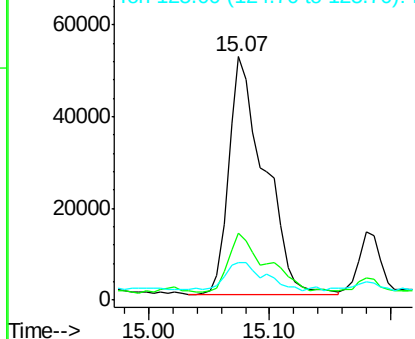


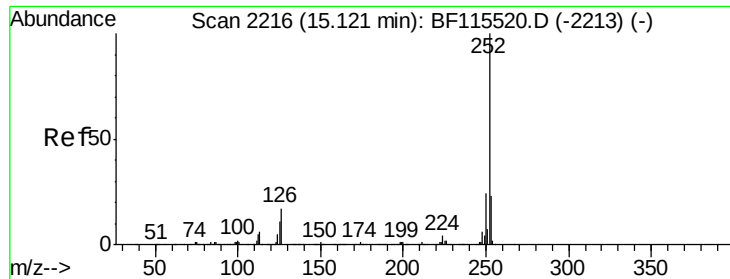
#88
Benzo(b)fluoranthene
Concen: 4.297 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.1	27.1#
125	15.2	9.0	13.4#



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

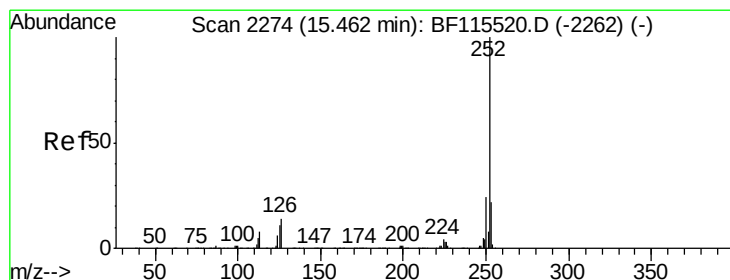
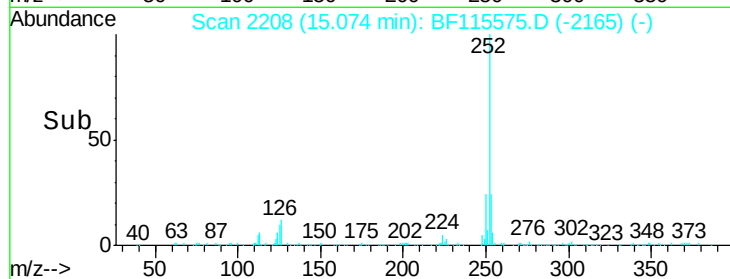
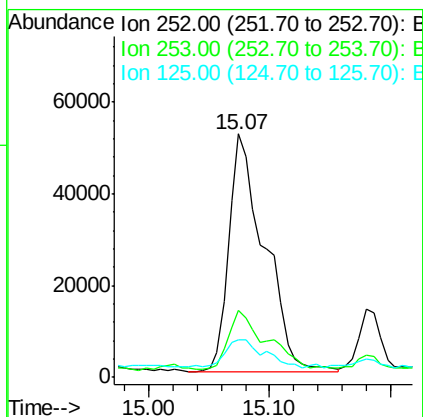
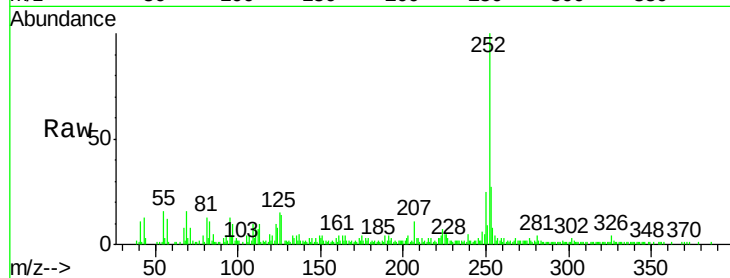




#89
Benzo(k)fluoranthene
Concen: 4.820 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.6	28.0
125	15.2	9.0	13.6#



#90
Benzo(a)pyrene
Concen: 3.422 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115575.D
Acq: 15 Jul 2019 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	14.9	9.1	13.7#

