

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116760.D
 Acq On : 1 Sep 2019 23:14
 Operator : HP/JU
 Sample : K4095-13RE 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:28:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	93373	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	404532	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	229259	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	399649	20.00	ng	0.00
76) Chrysene-d12	13.99	240	260777	20.00	ng	0.00
87) Perylene-d12	15.44	264	235305	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	184547	32.02	ng	0.00
7) Phenol-d6	6.47	99	258646	34.18	ng	-0.01
23) Nitrobenzene-d5	7.40	82	139873	19.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	47615	31.07	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	301784	22.21	ng	-0.01
79) Terphenyl-d14	12.94	244	315184	22.36	ng	-0.01

Target Compounds

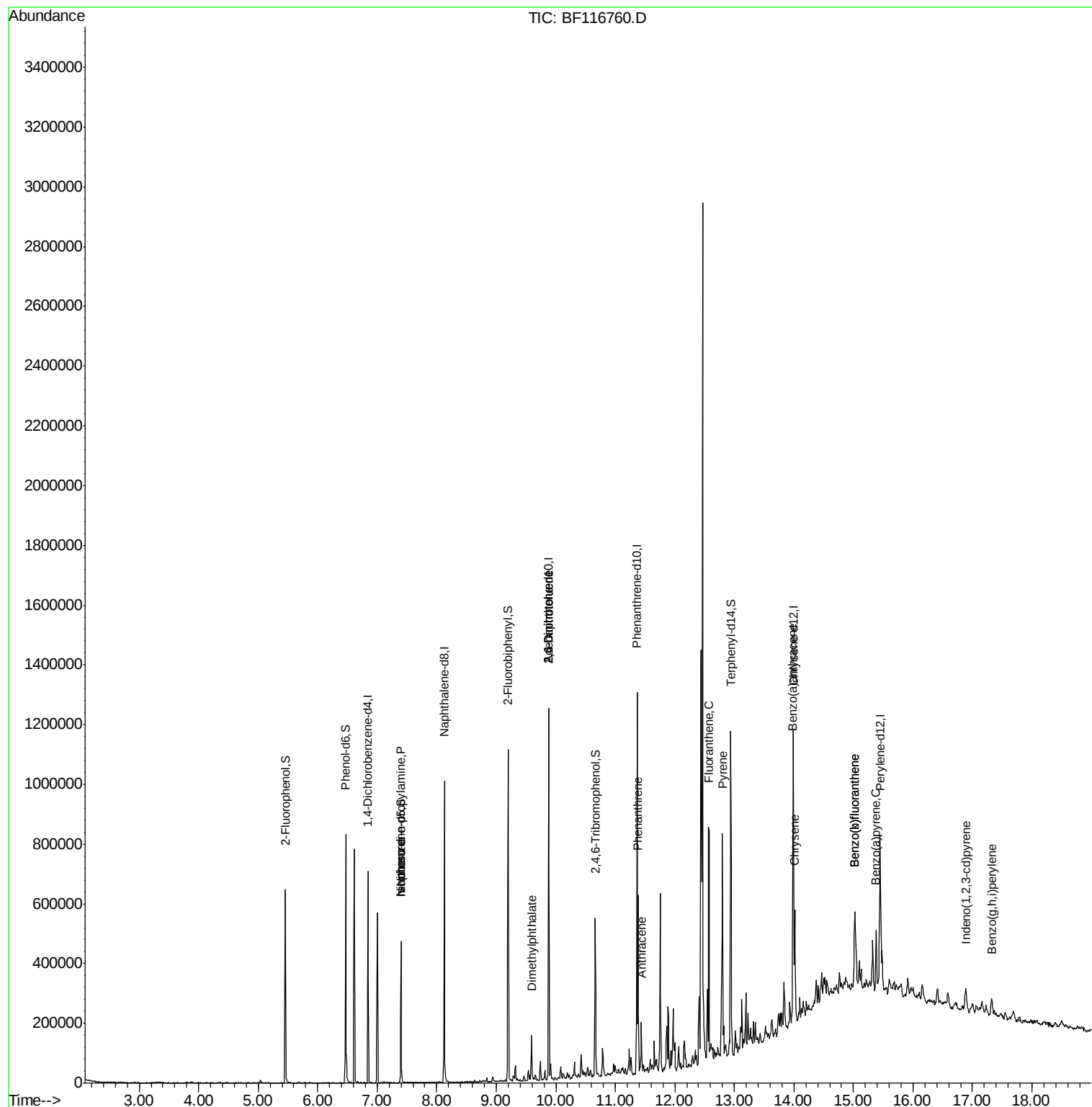
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	17814	3.575	ng	# 76
25) Isophorone	7.40	82	139871	9.741	ng	# 66
50) Dimethylphthalate	9.59	163	52063	3.289	ng	98
51) 2,6-Dinitrotoluene	9.88	165	30436	10.079	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	30437	8.243	ng	# 21
71) Phenanthrene	11.39	178	194898	8.761	ng	99
72) Anthracene	11.43	178	63331	2.828	ng	98
75) Fluoranthene	12.57	202	313810	14.353	ng	99
78) Pyrene	12.80	202	298709	12.886	ng	99
81) Benzo(a)anthracene	13.98	228	146891	8.900	ng	98
83) Chrysene	14.02	228	131415	7.729	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	42435	3.107	ng	95
88) Benzo(b)fluoranthene	15.02	252	181175	12.735	ng	# 91
89) Benzo(k)fluoranthene	15.02	252	181175	13.968	ng	# 92
90) Benzo(a)pyrene	15.39	252	91565	7.398	ng	# 96
92) Benzo(g,h,i)perylene	17.33	276	44120	3.993	ng	# 93

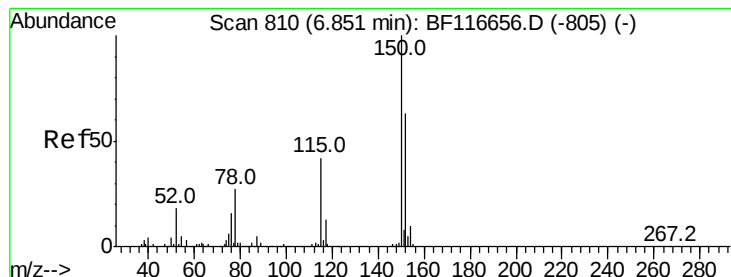
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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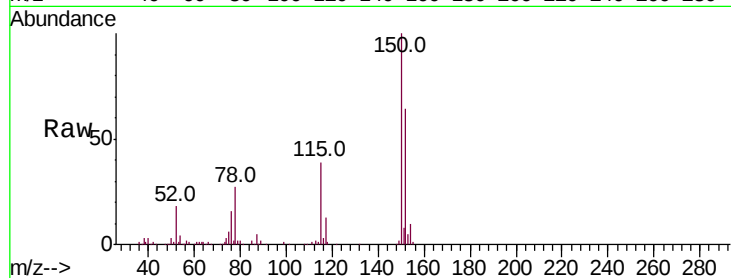


#1

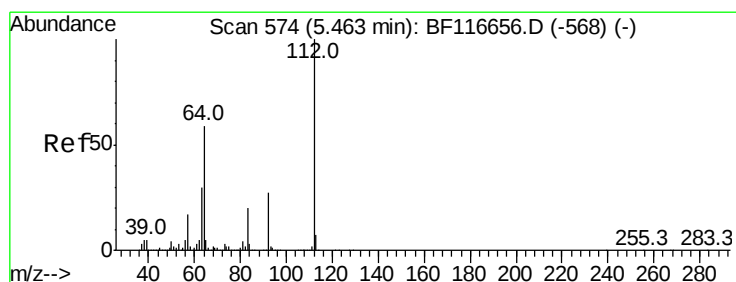
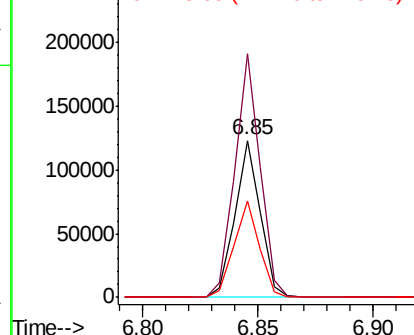
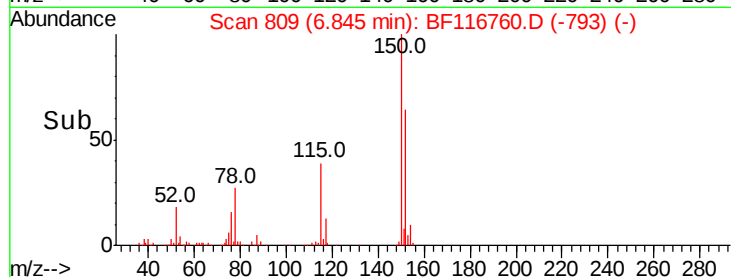
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93373
Ion Ratio Lower Upper
152 100
150 155.1 124.4 186.6
115 61.1 49.9 74.9



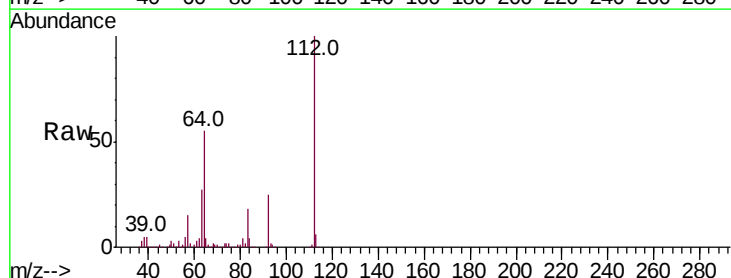
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



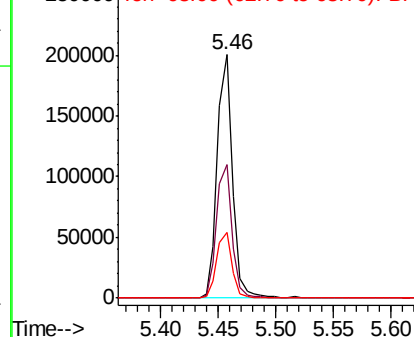
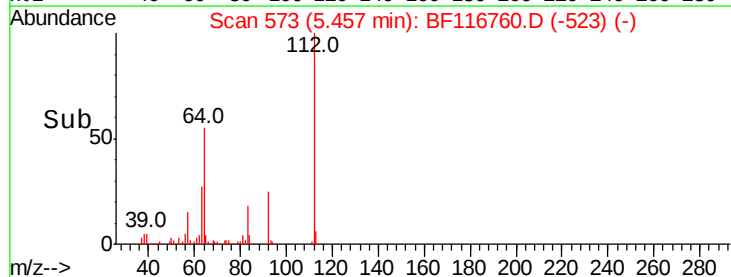
#5

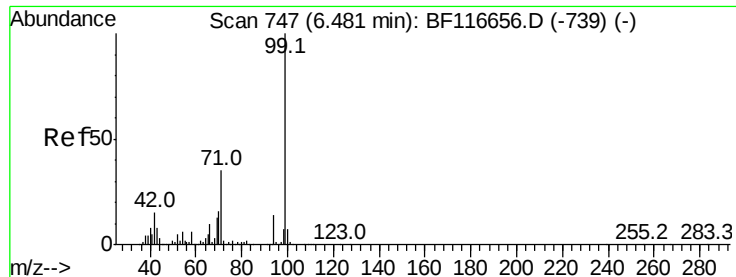
2-Fluorophenol
Concen: 32.020 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion:112 Resp: 184547
Ion Ratio Lower Upper
112 100
64 55.1 47.1 70.7
63 27.0 24.9 37.3



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: 34.175 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

ClientSampleId :

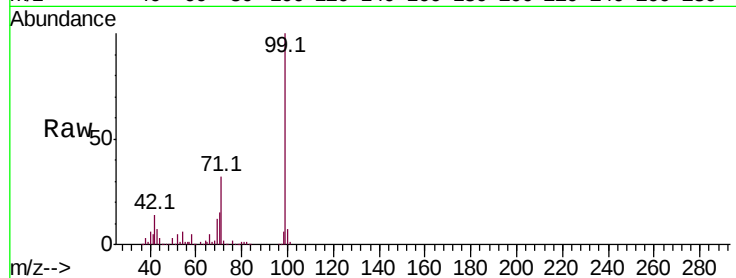
Tot Ion: 99 Resp: 258646

Ion Ratio Lower Upper

99 100

42 14.0 13.7 20.5

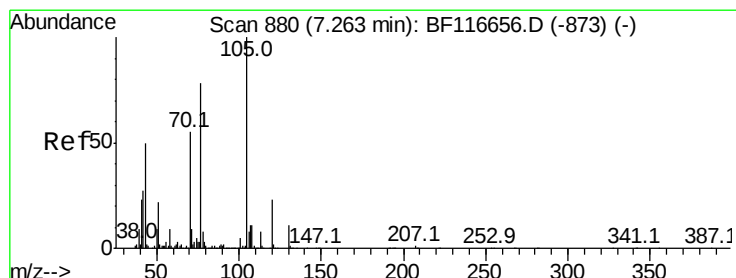
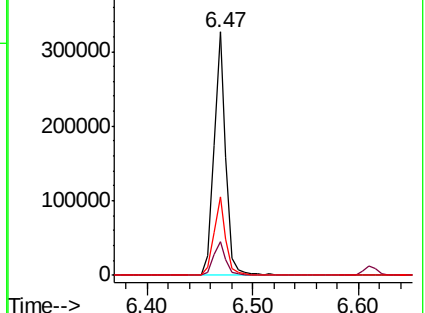
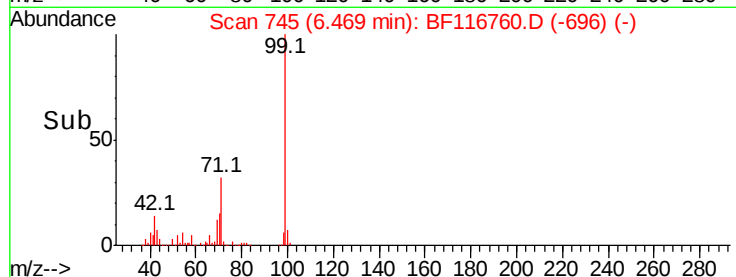
71 32.4 30.8 46.2



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: 3.575 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Tgt Ion: 70 Resp: 17814

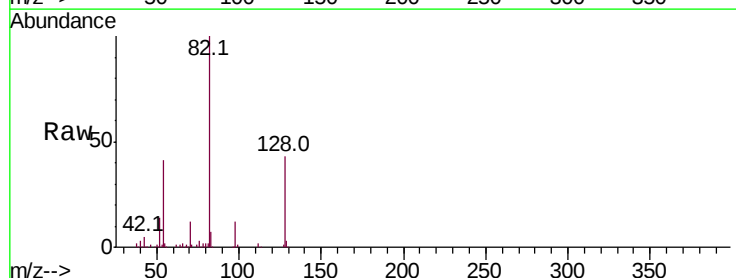
Ion Ratio Lower Upper

70 100

42 42.2 43.5 65.3#

101 0.0 7.8 11.6#

130 2.0 16.6 24.8#

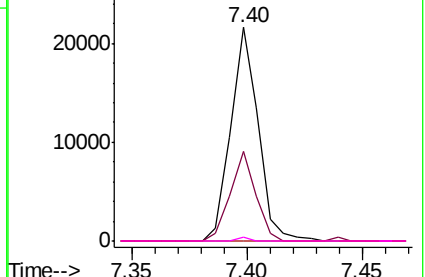
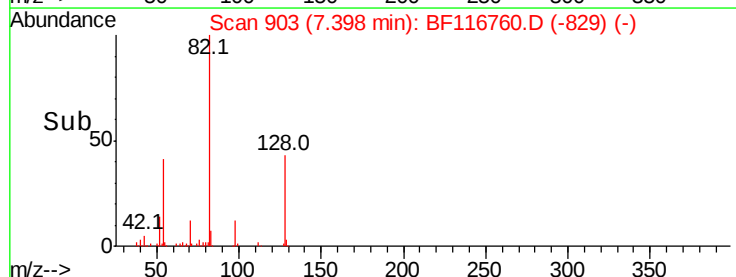


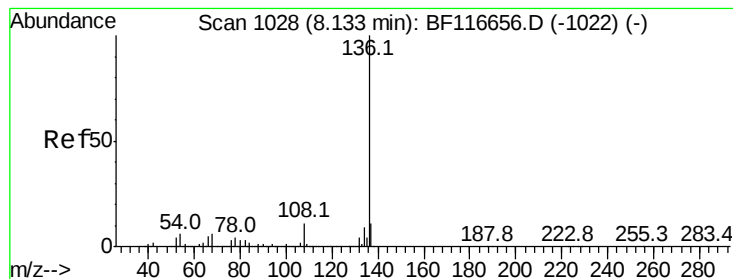
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 404532

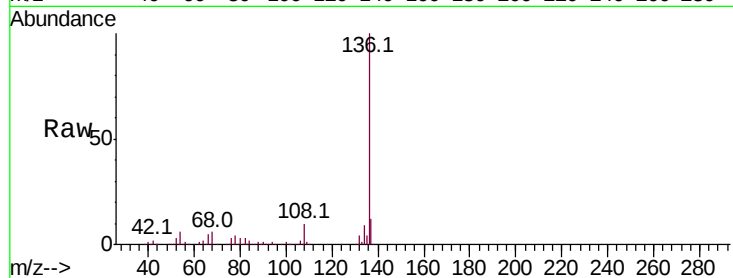
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 6.2 4.8 7.2

68 5.7 4.0 6.0

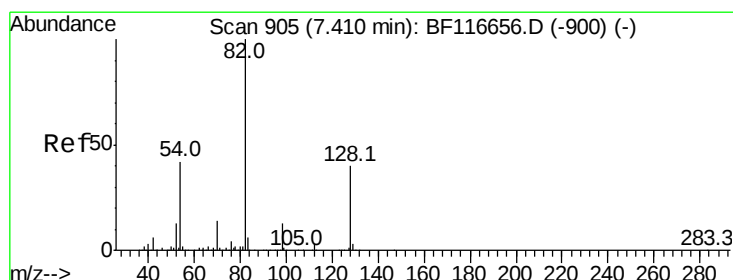
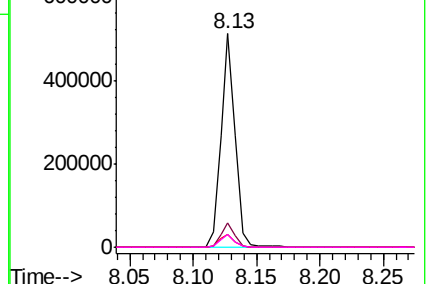
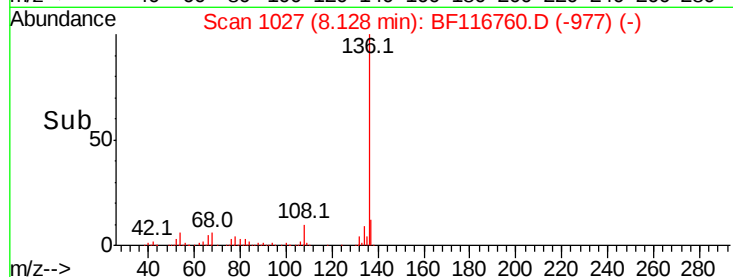


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.739 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

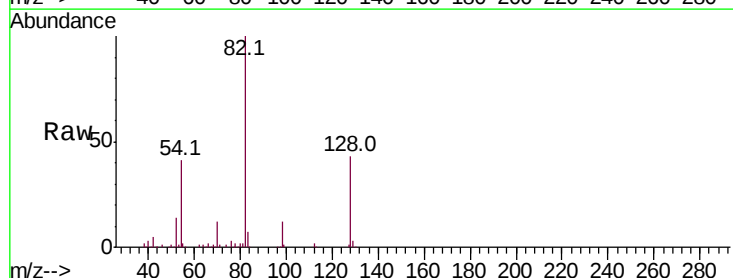
Tgt Ion: 82 Resp: 139873

Ion Ratio Lower Upper

82 100

128 42.6 32.8 49.2

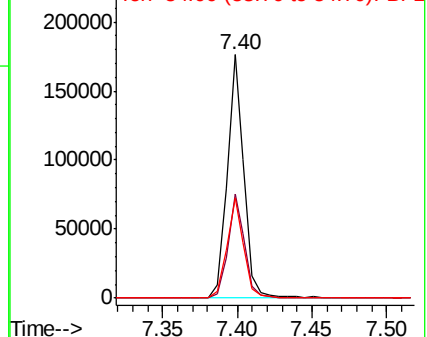
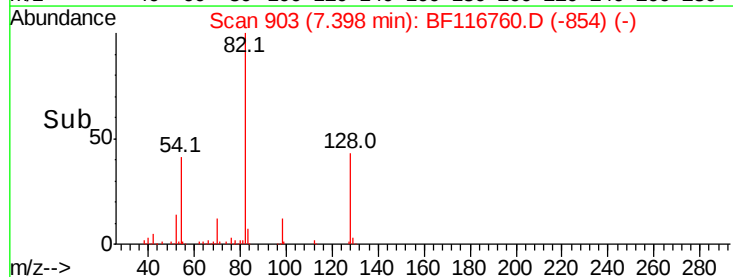
54 41.3 36.9 55.3

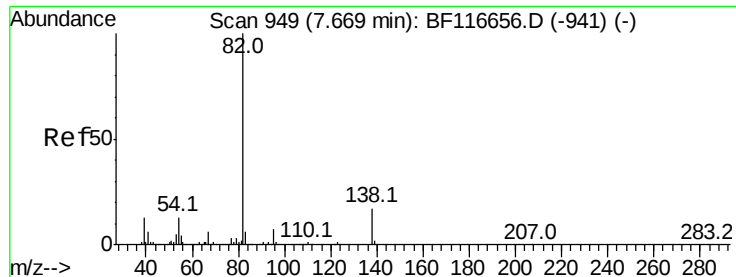


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.741 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

ClientSampleId :

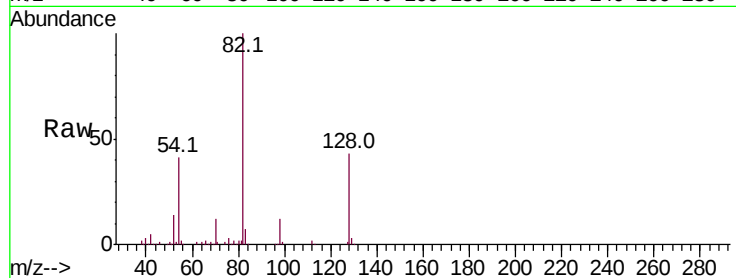
Tot Ion: 82 Resp: 139871

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

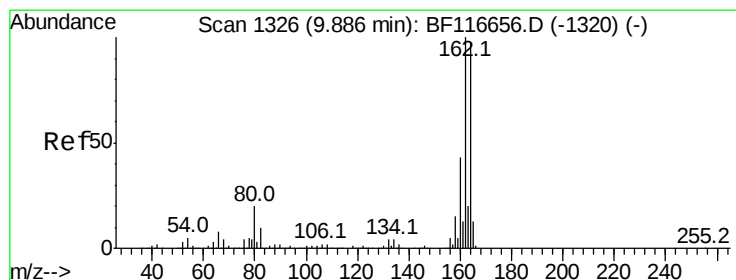
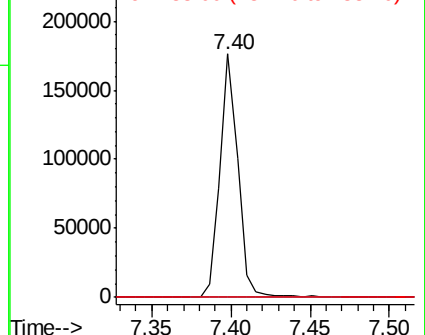
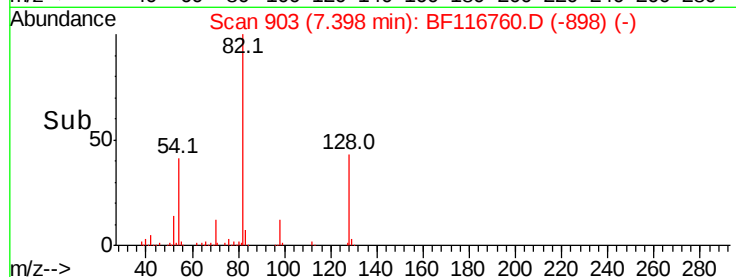
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

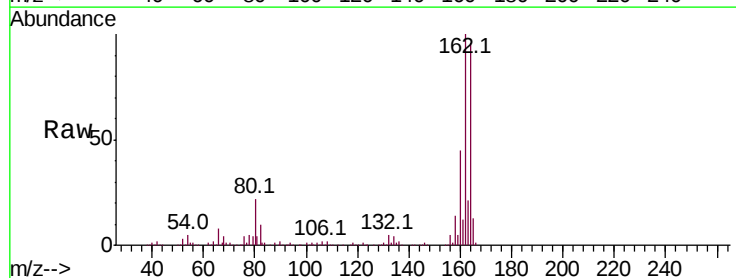
Tgt Ion: 164 Resp: 229259

Ion Ratio Lower Upper

164 100

162 104.5 81.4 122.0

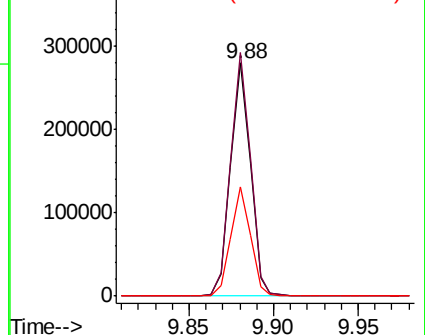
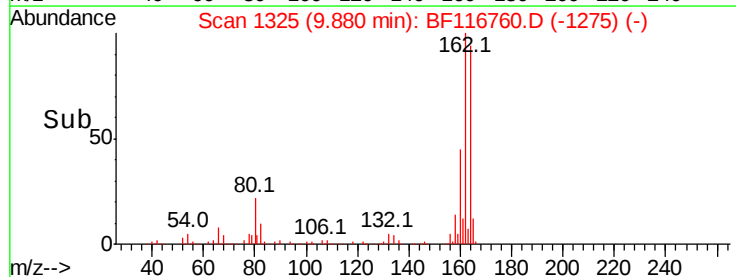
160 46.9 35.4 53.2

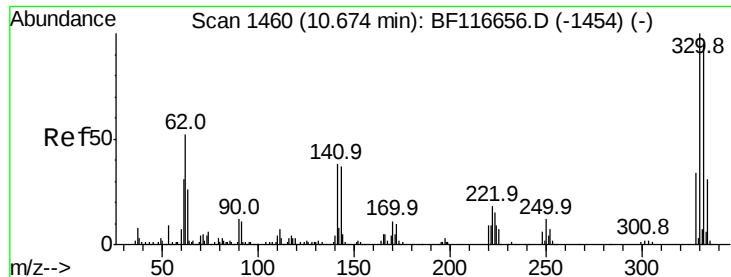


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 31.067 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

ClientSampled :

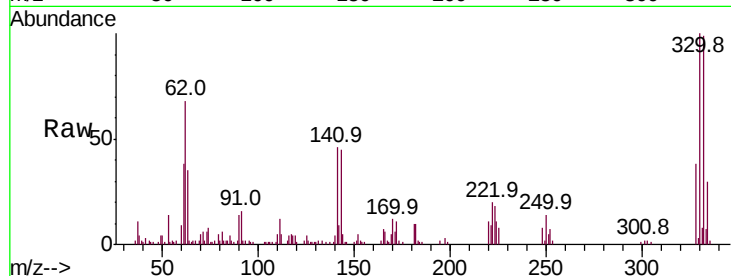
Tot Ion:330 Resp: 47615

Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

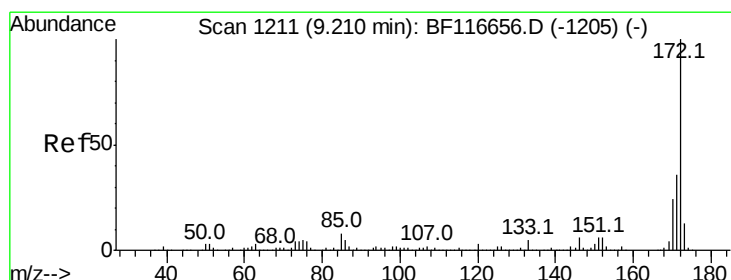
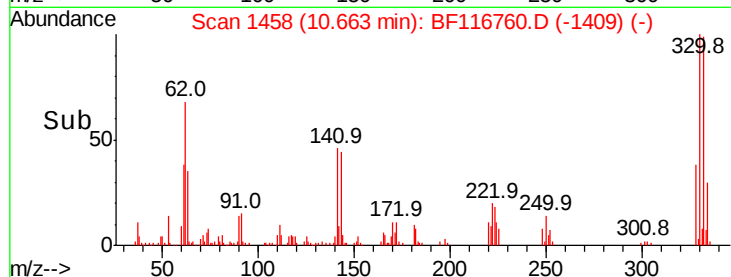
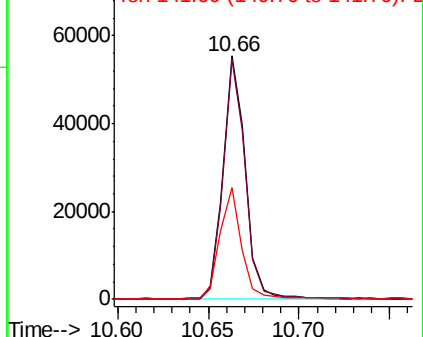
141 46.4 31.4 47.2



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: 22.205 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

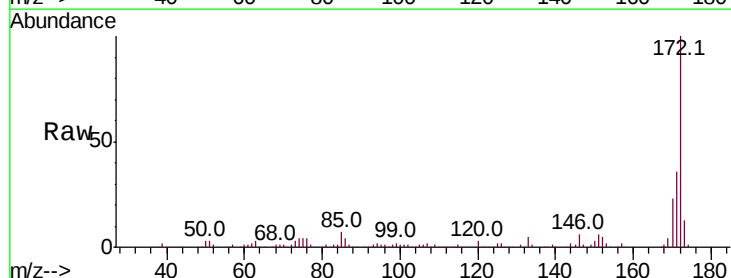
Tgt Ion:172 Resp: 301784

Ion Ratio Lower Upper

172 100

171 35.7 27.8 41.6

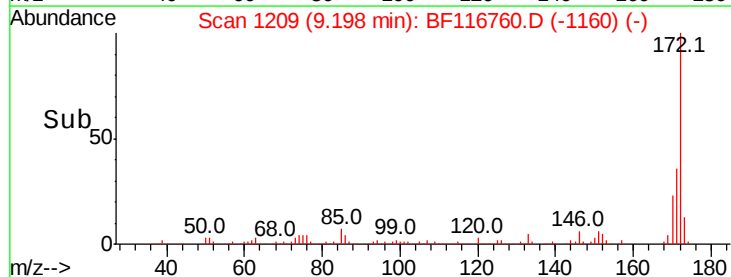
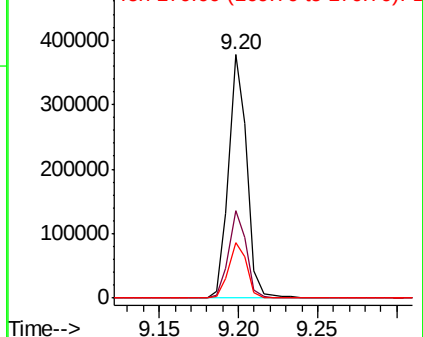
170 23.0 18.9 28.3

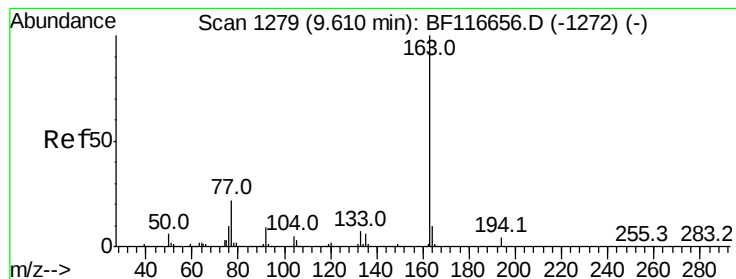


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.289 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

ClientSampleId :

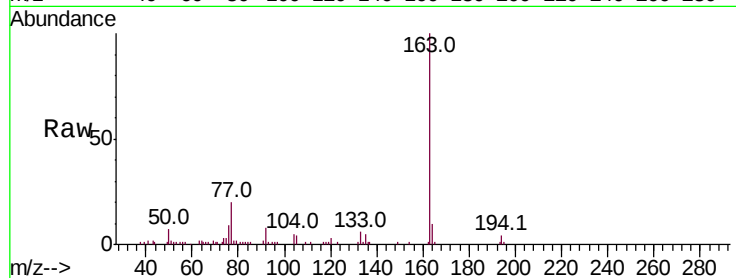
Tot Ion:163 Resp: 52063

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

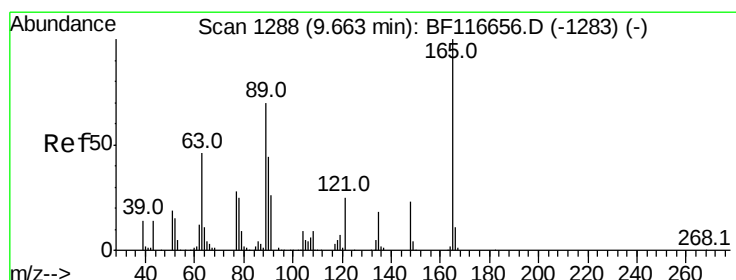
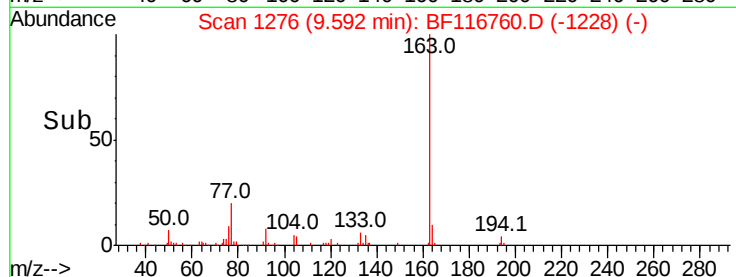
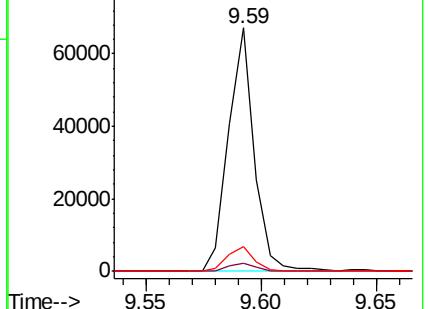
164 10.0 8.6 12.8



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: 10.079 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

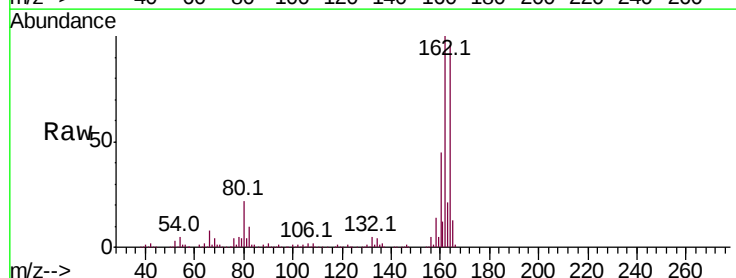
Tgt Ion:165 Resp: 30436

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

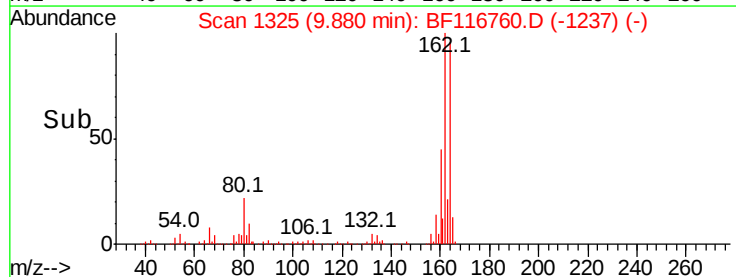
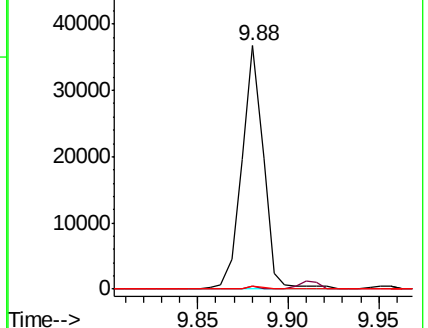
89 1.4 52.5 78.7#

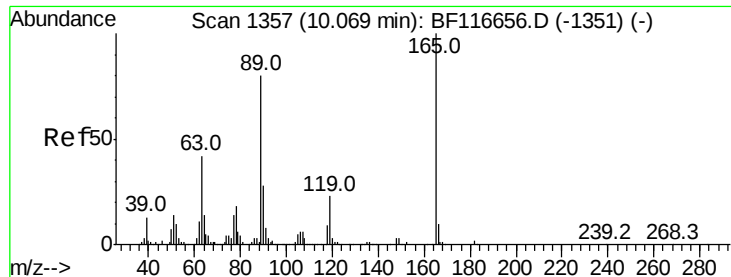


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

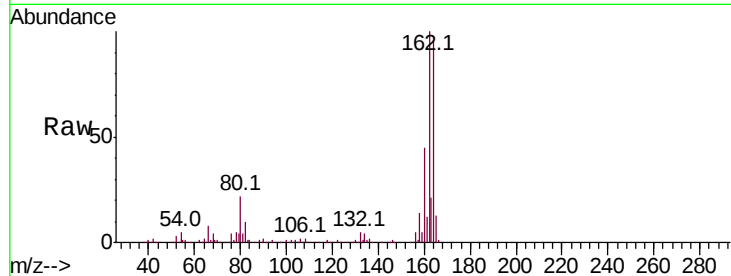




#57
 2,4-Dinitrotoluene
 Concen: 8.243 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116760.D
 Acq: 1 Sep 2019 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	62.6	94.0#
182	0.0	2.1	3.1#



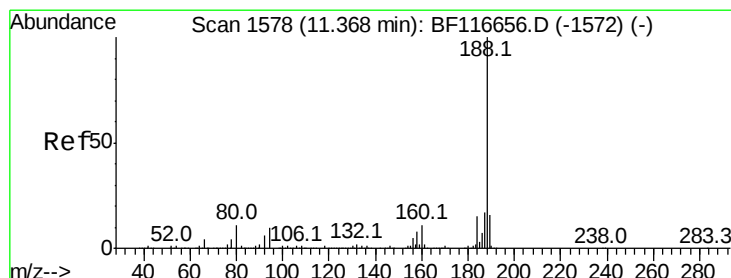
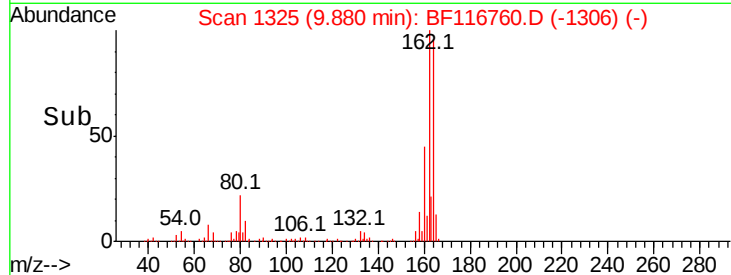
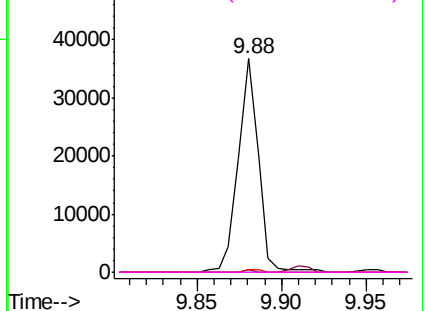
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

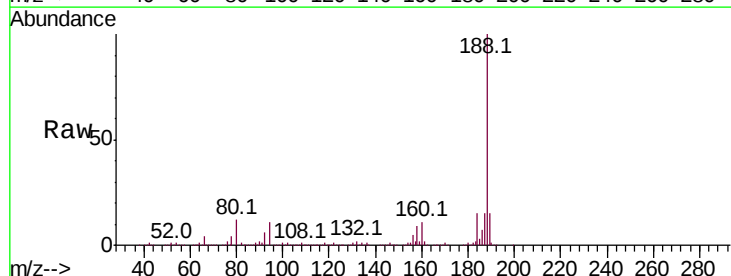
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116760.D
 Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	7.3	10.9
80	11.9	8.4	12.6

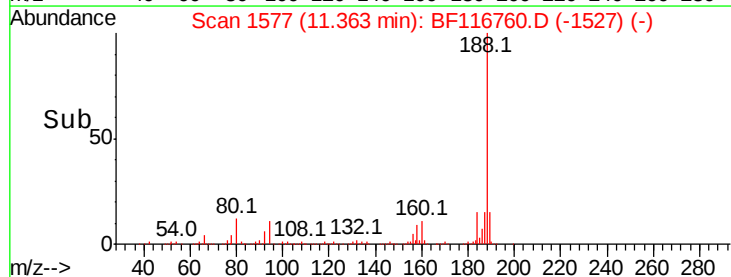
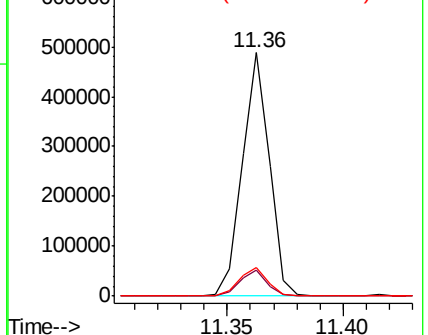


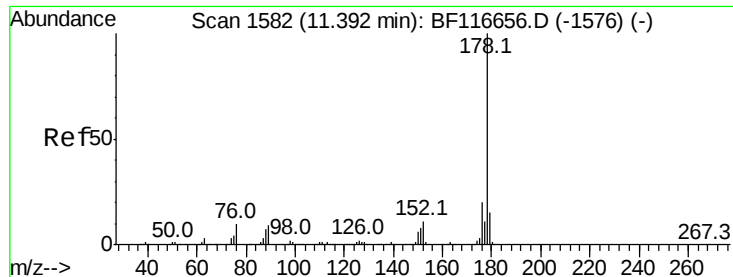
Abundance

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

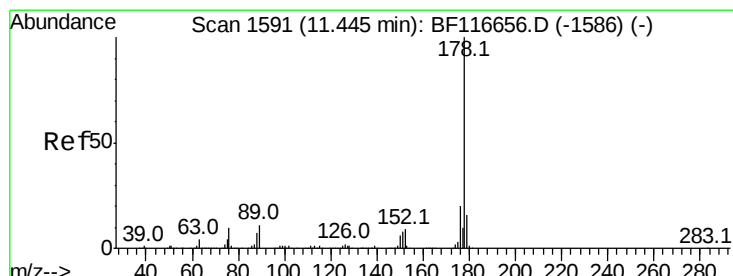
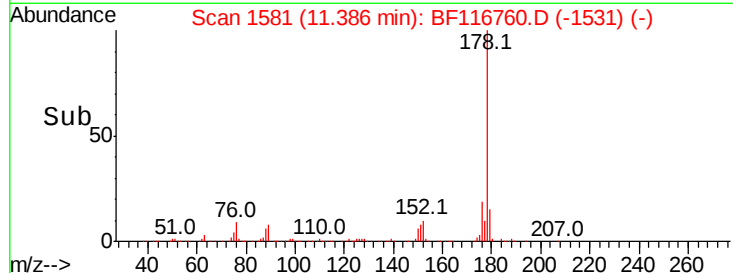
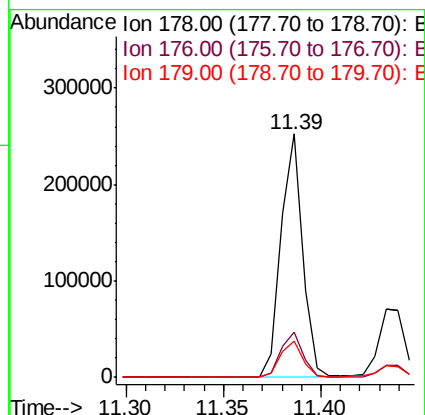
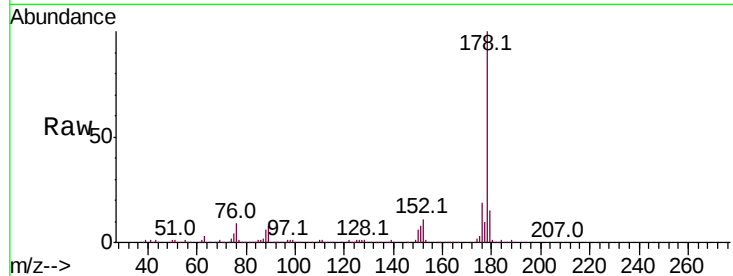




#71
Phenanthrene
Concen: 8.761 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

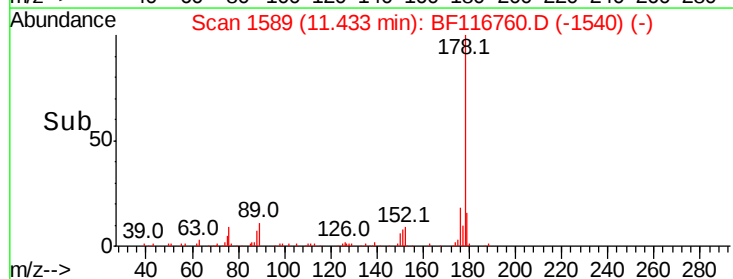
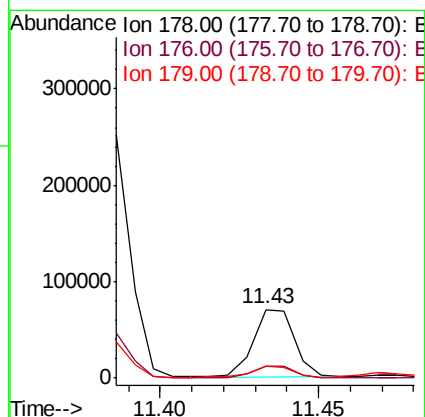
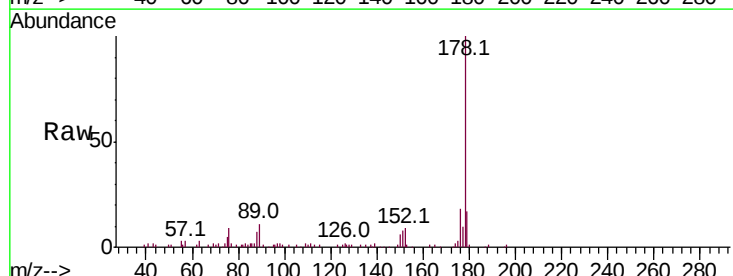
Instrument :
BNA_F
ClientSampleId :

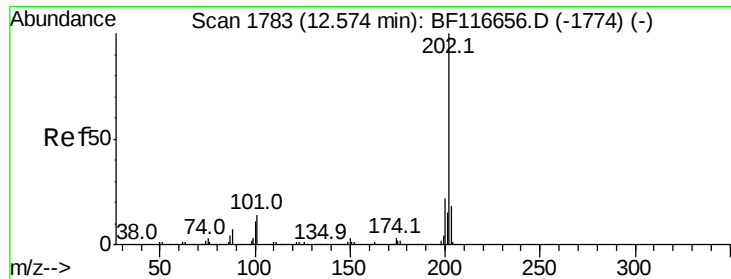
Tot Ion:178 Resp: 194898
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.1 12.2 18.2



#72
Anthracene
Concen: 2.828 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion:178 Resp: 63331
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 16.6 12.5 18.7





#75

Fluoranthene

Concen: 14.353 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

ClientSampleId :

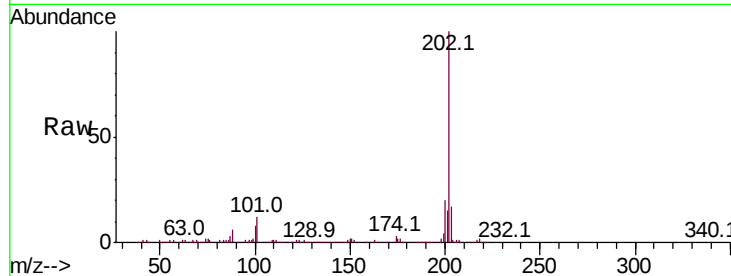
Tot Ion:202 Resp: 313810

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.3

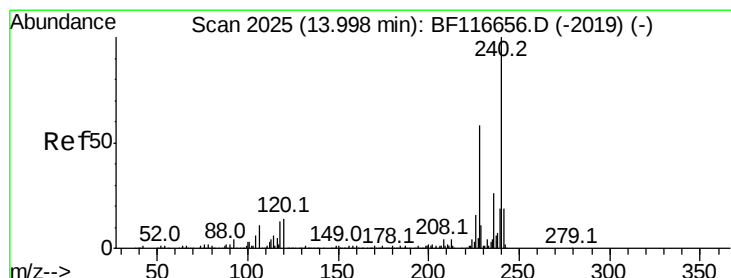
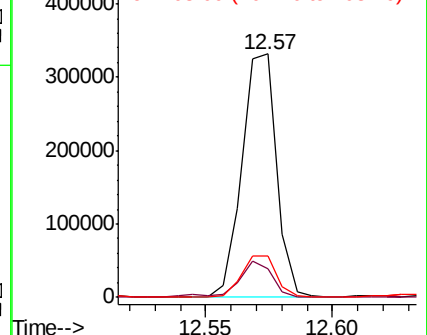
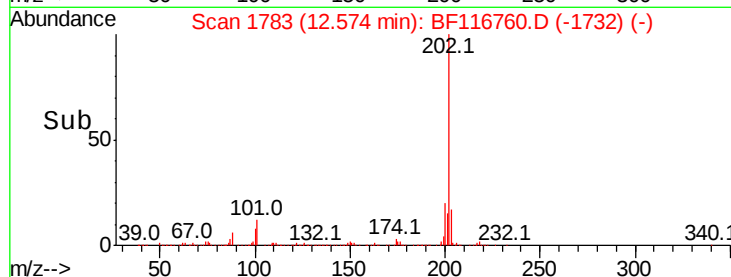
203 17.2 0.0 37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

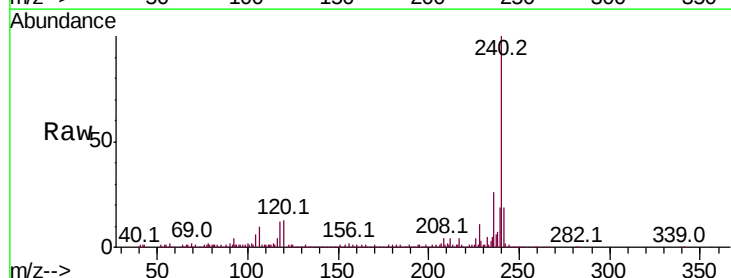
Tgt Ion:240 Resp: 260777

Ion Ratio Lower Upper

240 100

120 13.4 9.1 13.7

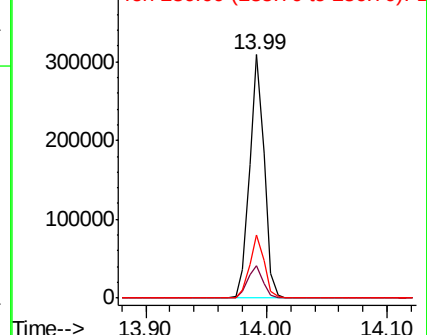
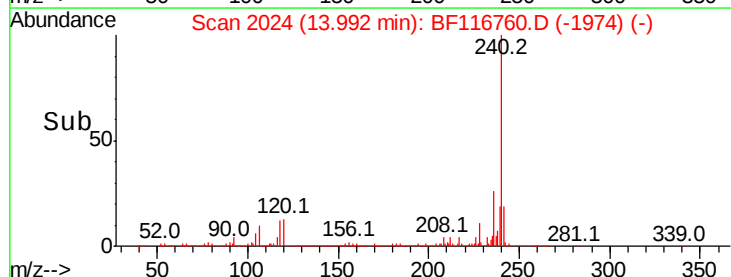
236 25.9 21.1 31.7

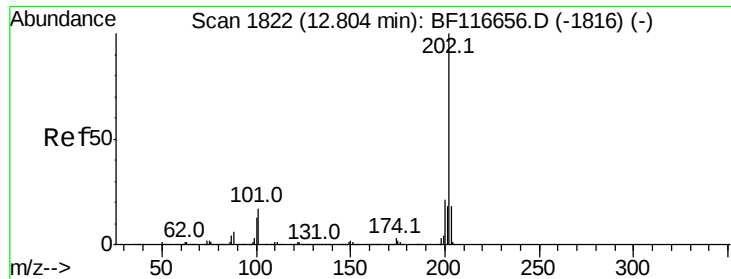


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

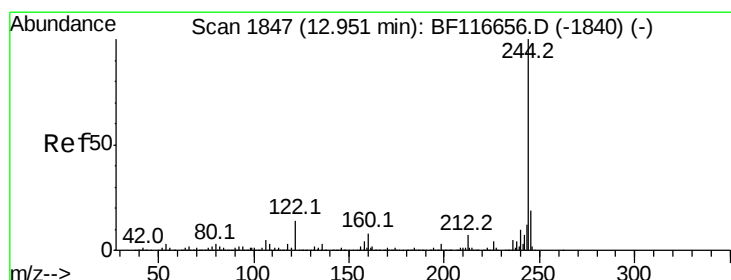
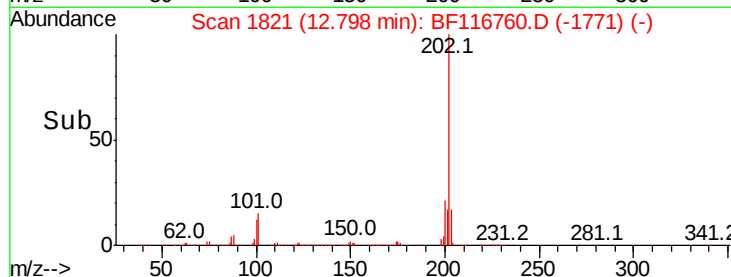
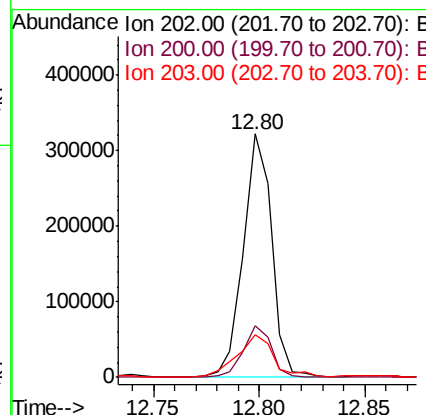
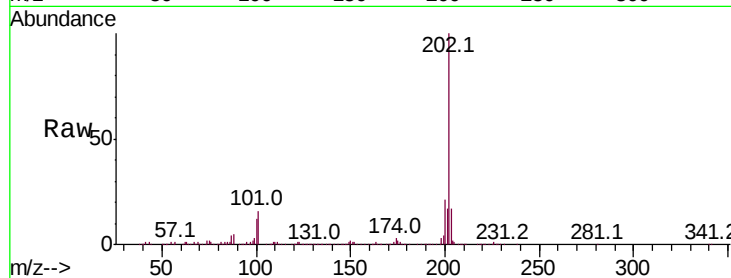




#78
Pvrene
Concen: 12.886 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

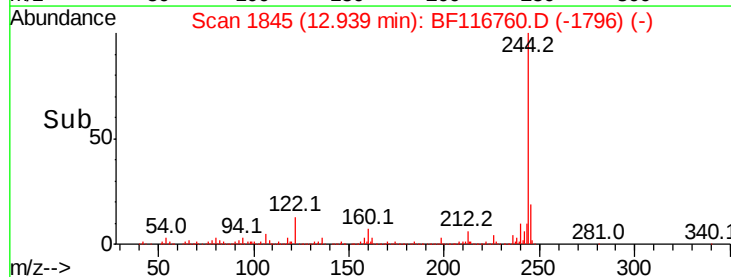
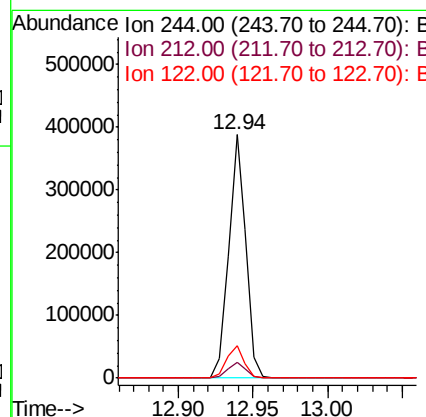
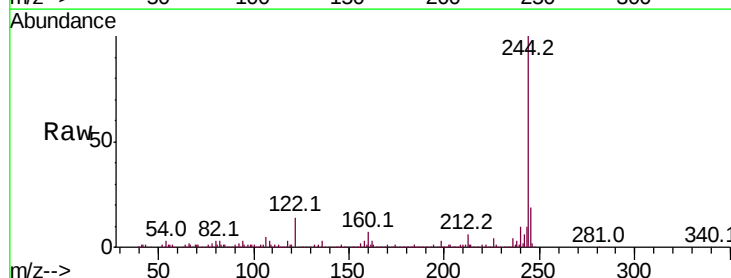
Instrument :
BNA_F
ClientSampleId :

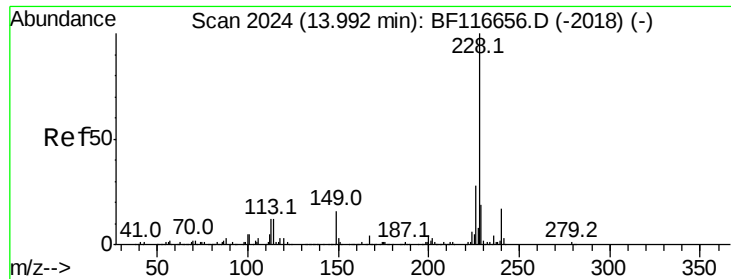
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.5	24.7
203	17.5	13.7	20.5



#79
Terphenyl-d14
Concen: 22.359 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.1	9.1
122	13.5	10.2	15.4

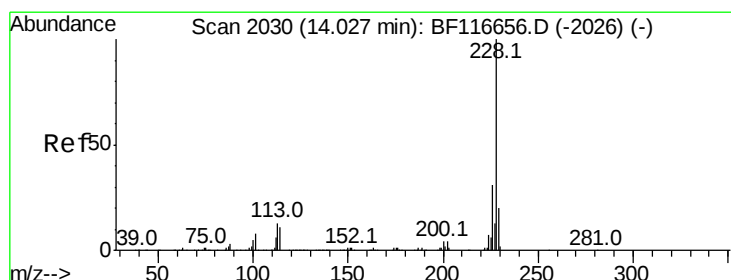
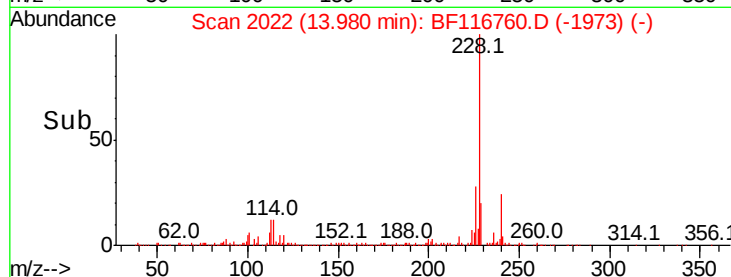
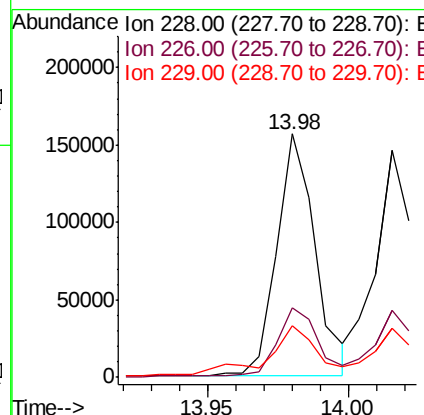
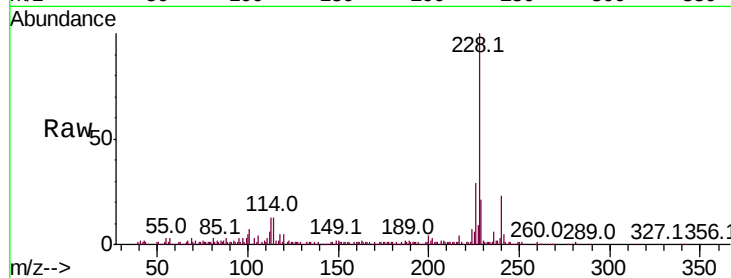




#81
Benzo(a)anthracene
Concen: 8.900 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

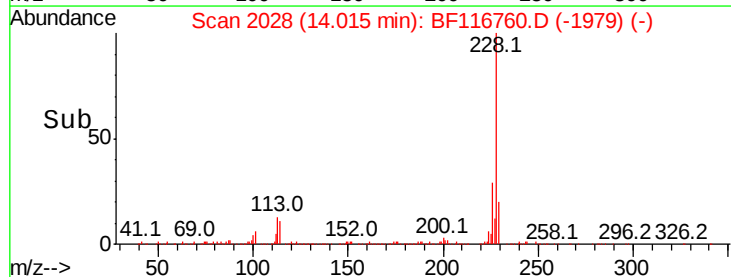
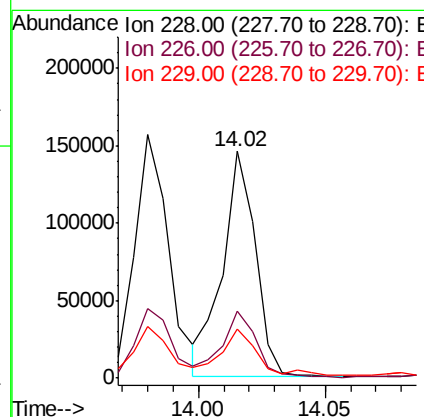
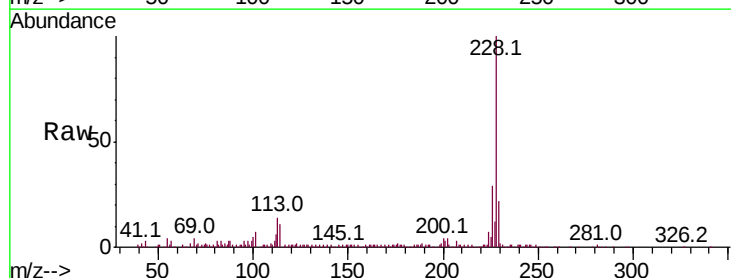
Instrument :
BNA_F
ClientSampleId :

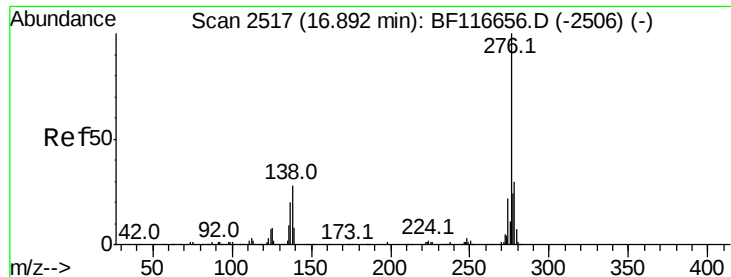
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.0	33.0
229	21.1	16.4	24.6



#83
Chrysene
Concen: 7.729 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	21.7	15.4	23.0

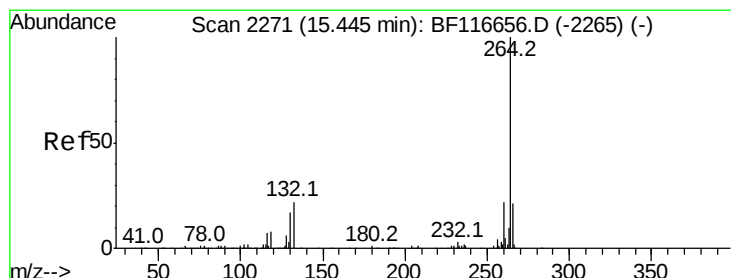
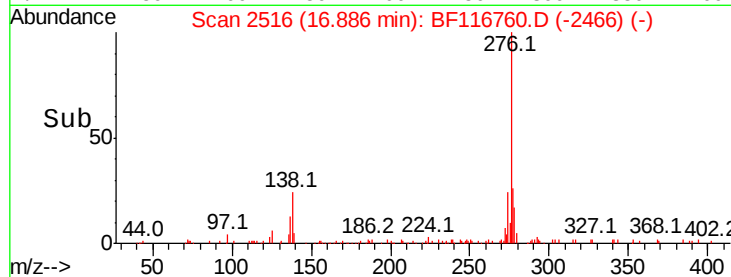
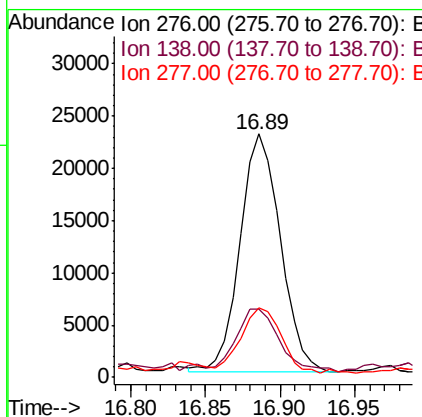
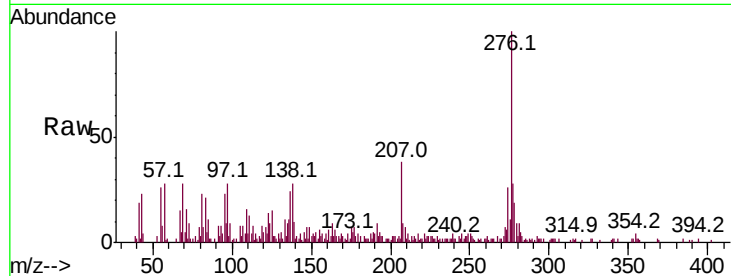




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.107 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BF116760.D
 Acq: 1 Sep 2019 23:14

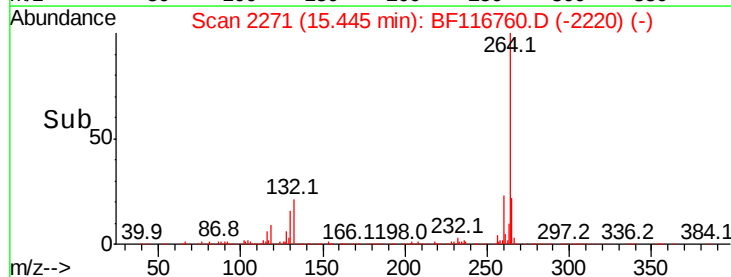
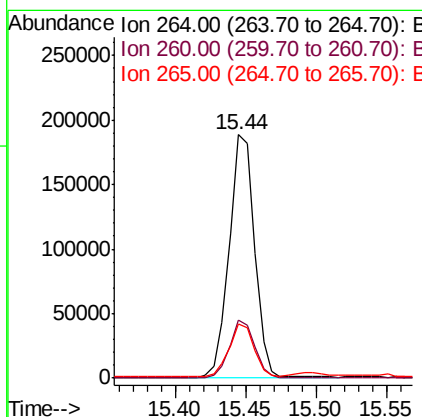
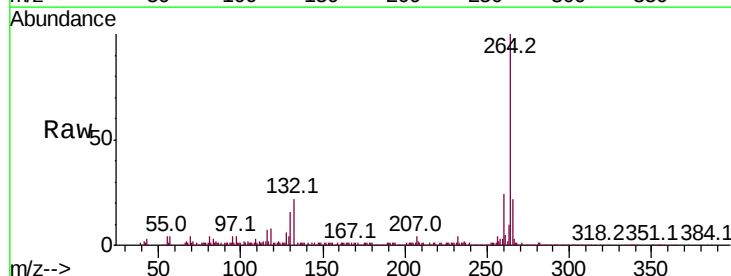
Instrument :
 BNA_F
 ClientSampleId :

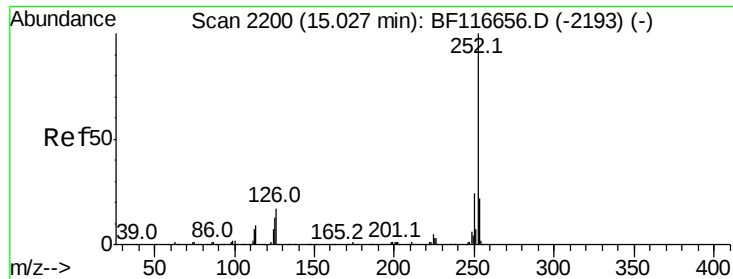
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	19.4	29.2
277	27.4	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116760.D
 Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.4	16.5	24.7

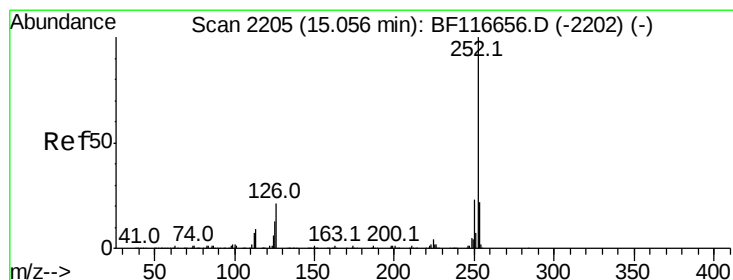
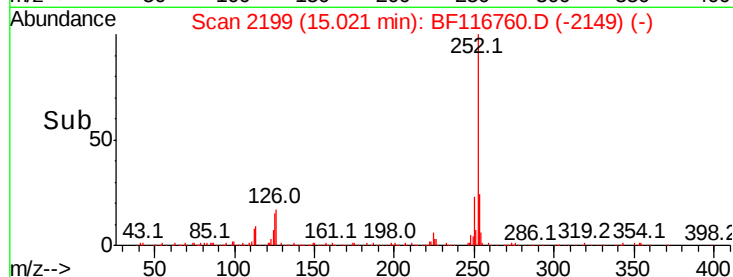
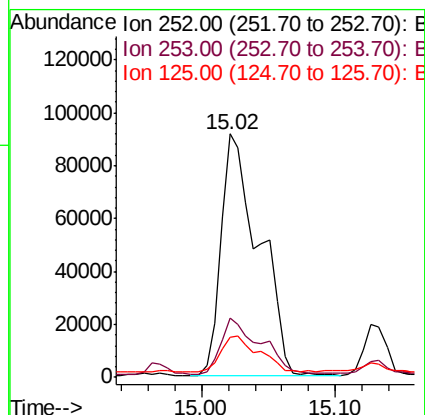
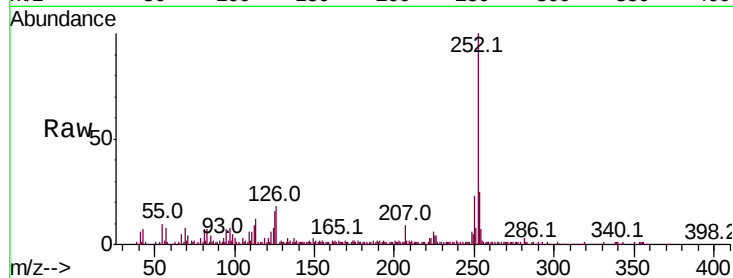




#88
Benzo(b)fluoranthene
Concen: 12.735 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

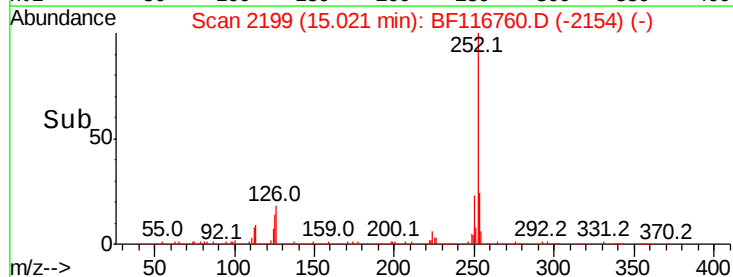
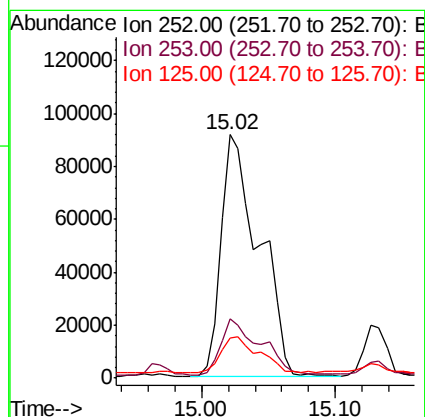
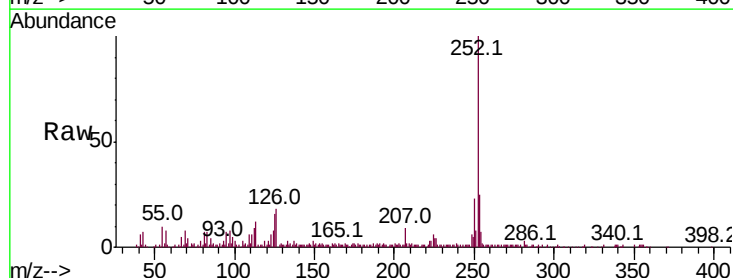
Instrument :
BNA_F
ClientSampleId :

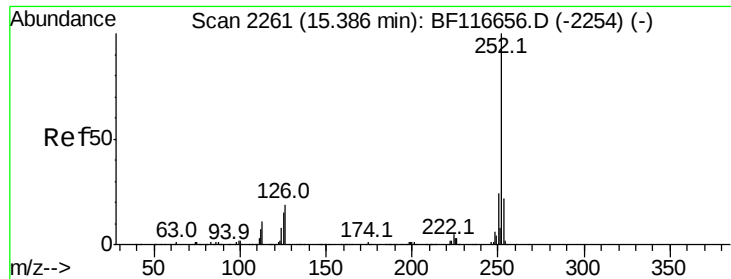
Tot Ion:252 Resp: 181175
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 16.3 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 13.968 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion:252 Resp: 181175
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 16.3 8.6 13.0#

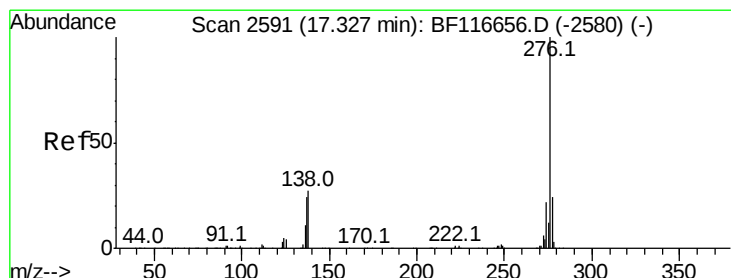
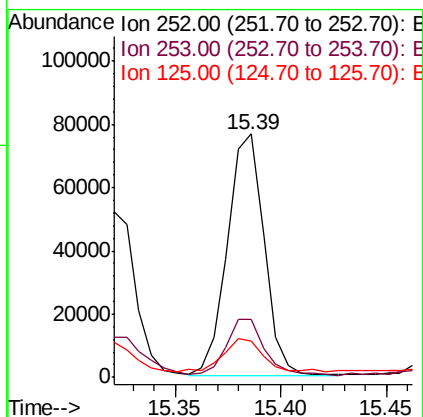
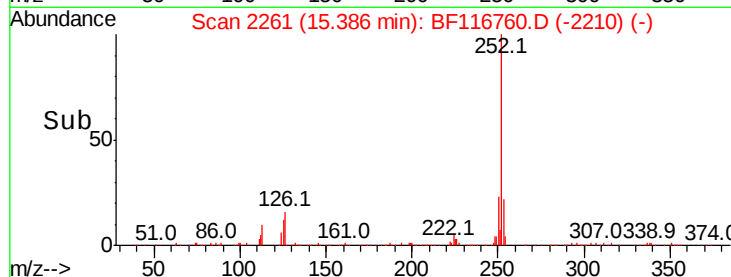
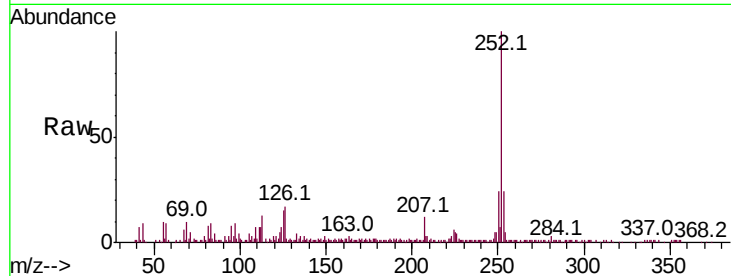




#90
Benzo(a)pyrene
Concen: 7.398 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 91565
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 15.1 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 3.993 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion:276 Resp: 44120
Ion Ratio Lower Upper
276 100
277 21.7 18.5 27.7
138 25.8 16.2 24.2#

