

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116761.D
 Acq On : 1 Sep 2019 23:42
 Operator : HP/JU
 Sample : K4439-02RE 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:29:08 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	104599	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	439202	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	237709	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	366551	20.00	ng	0.00
76) Chrysene-d12	13.99	240	258754	20.00	ng	0.00
87) Perylene-d12	15.45	264	204335	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	228189	35.34	ng	0.00
7) Phenol-d6	6.47	99	316898	37.38	ng	-0.01
23) Nitrobenzene-d5	7.40	82	191270	24.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	51727	32.55	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	377304	26.78	ng	-0.01
79) Terphenyl-d14	12.94	244	319525	22.84	ng	-0.01

Target Compounds

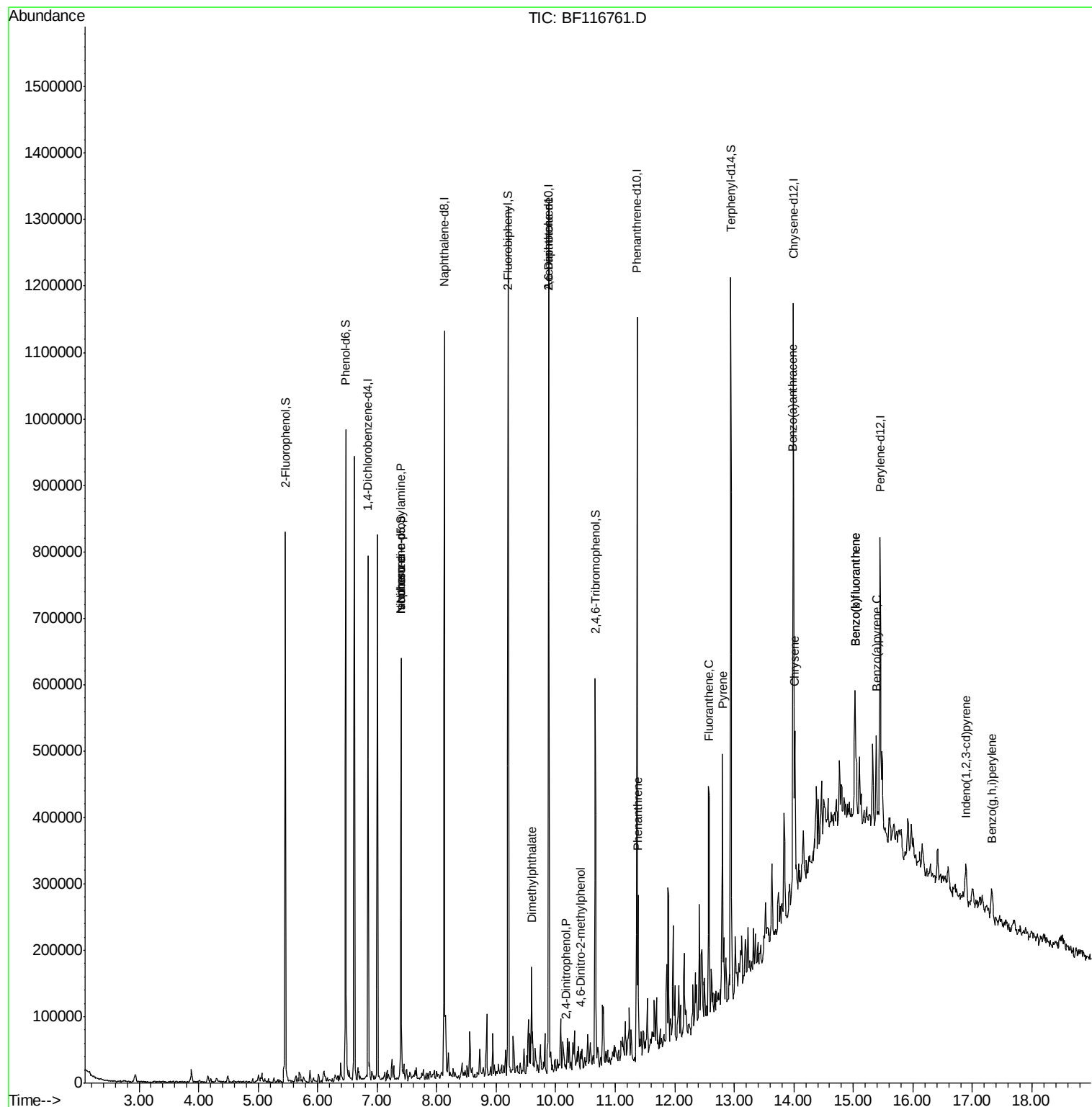
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	24696	4.424	ng	# 76
25) Isophorone	7.40	82	188759	12.108	ng	# 67
50) Dimethylphthalate	9.59	163	48195	2.937	ng	# 98
51) 2,6-Dinitrotoluene	9.88	165	32367	10.337	ng	# 21
54) 2,4-Dinitrophenol	10.16	184	371	9.337	ng	# 14
65) 4,6-Dinitro-2-methylphenol	10.43	198	109	7.519	ng	# 6
71) Phenanthrene	11.39	178	80512	3.946	ng	99
75) Fluoranthene	12.57	202	123708	6.169	ng	96
78) Pyrene	12.80	202	143593	6.243	ng	99
81) Benzo(a)anthracene	13.98	228	89929	5.491	ng	# 95
83) Chrysene	14.02	228	101501	6.016	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.89	276	31187	2.301	ng	# 91
88) Benzo(b)fluoranthene	15.02	252	129274	10.464	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	129274	11.477	ng	# 94
90) Benzo(a)pyrene	15.39	252	57996	5.396	ng	# 93
92) Benzo(g,h,i)perylene	17.33	276	34096	3.554	ng	# 91

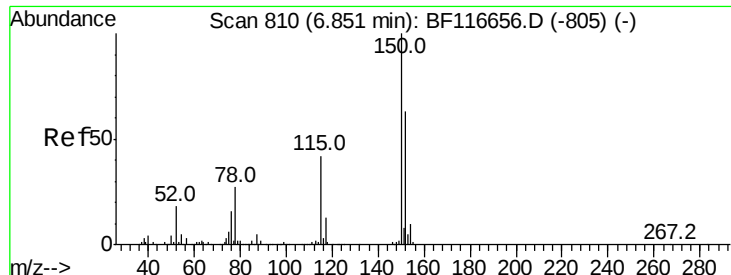
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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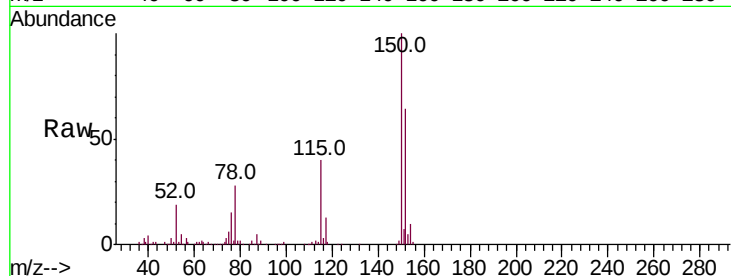


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.4	186.6
115	61.4	49.9	74.9

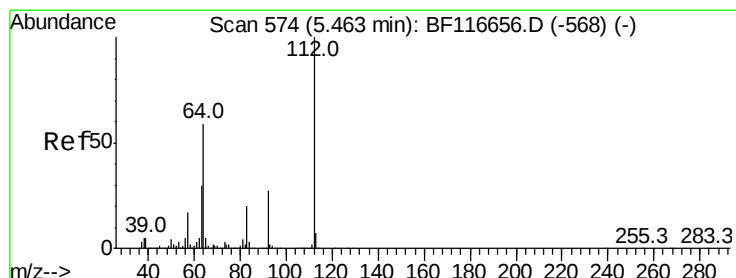
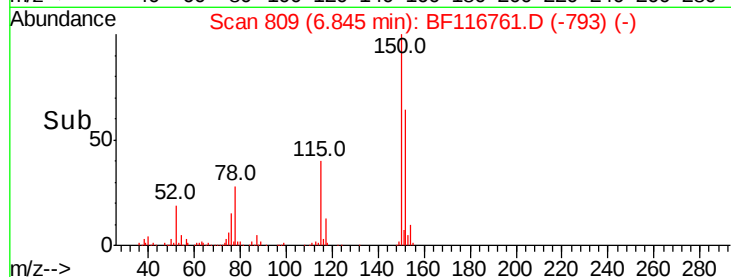
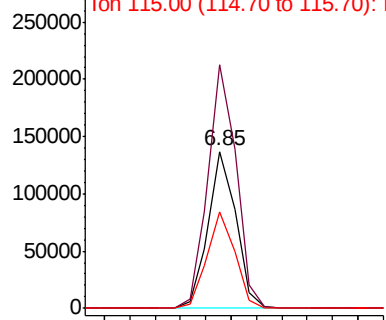


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

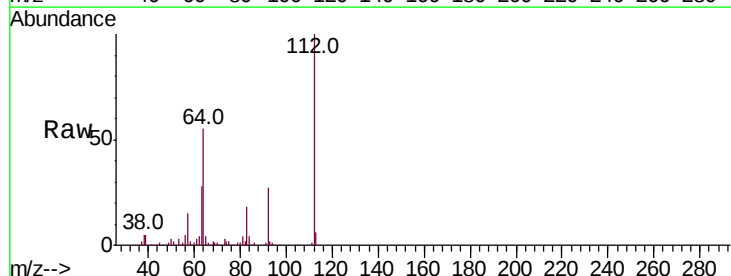
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 35.343 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.1	70.7
63	27.7	24.9	37.3

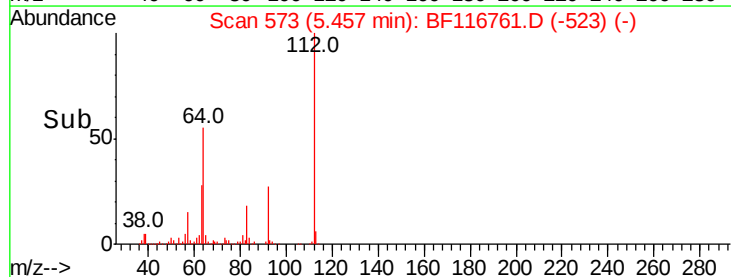
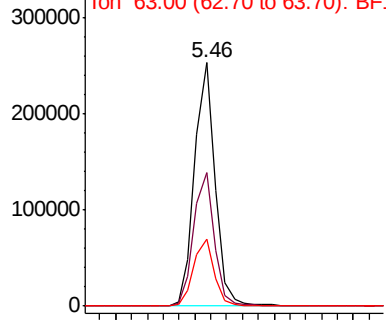


Abundance

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: 37.378 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

Instrument :

BNA_F

ClientSampleId :

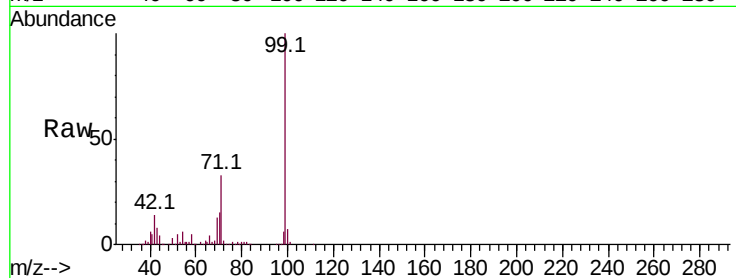
Tot Ion: 99 Resp: 316898

Ion Ratio Lower Upper

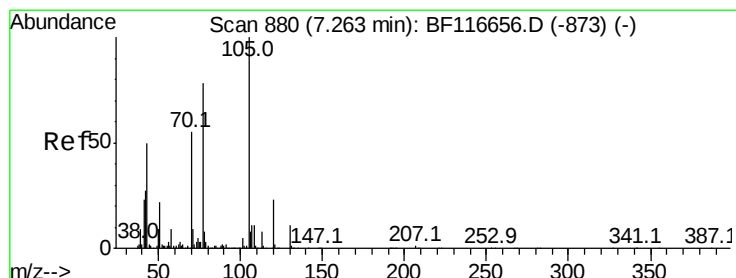
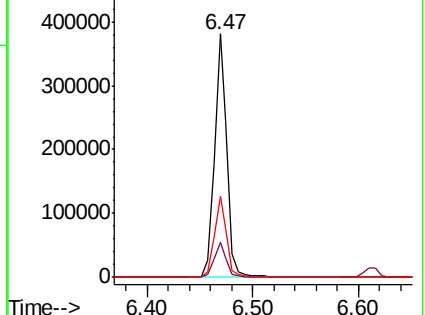
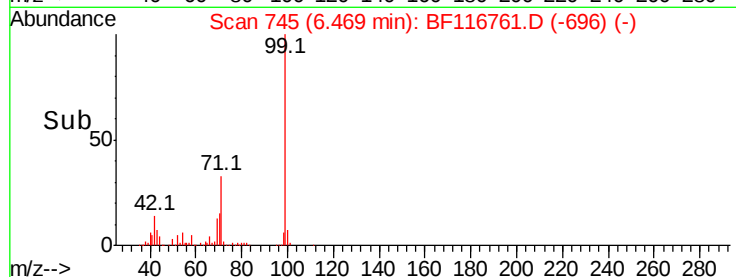
99 100

42 14.1 13.7 20.5

71 33.3 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: 4.424 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

Tgt Ion: 70 Resp: 24696

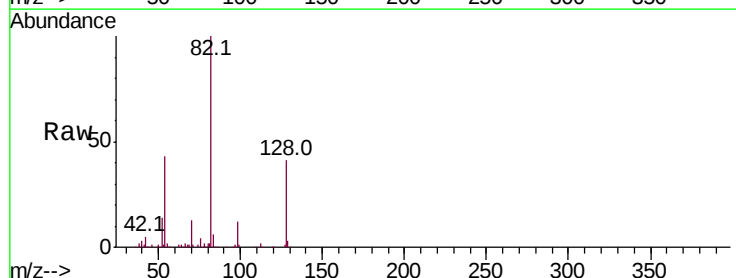
Ion Ratio Lower Upper

70 100

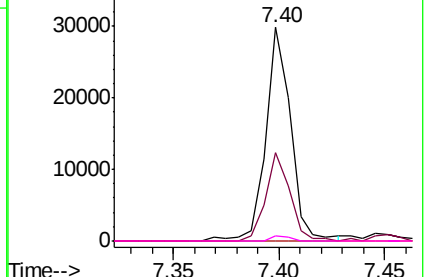
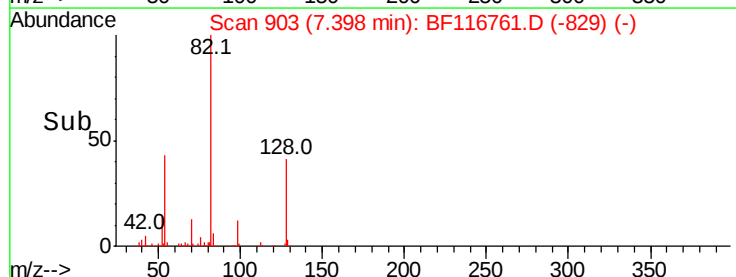
42 41.1 43.5 65.3#

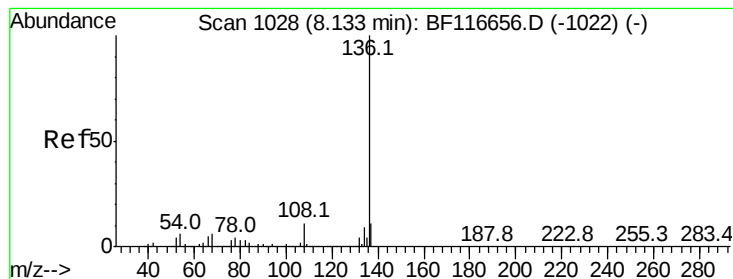
101 0.0 7.8 11.6#

130 2.4 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: BF116761.D

Acq: 1 Sep 2019 23:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 439202

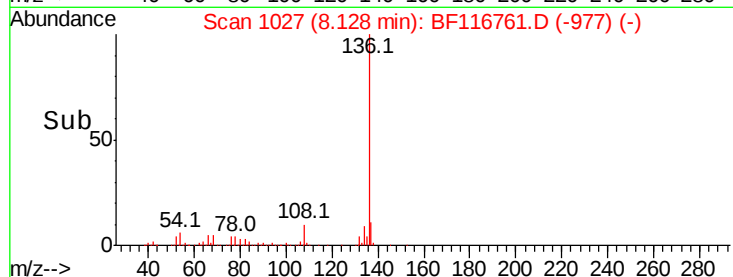
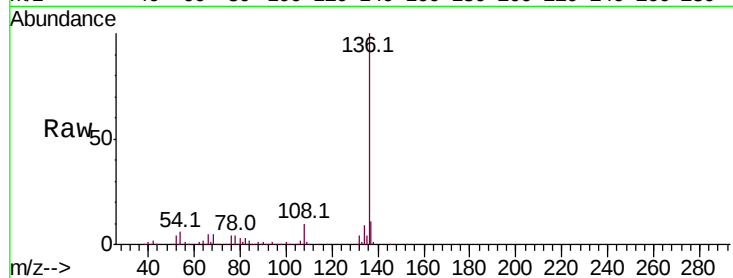
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.3 4.8 7.2

68 5.5 4.0 6.0

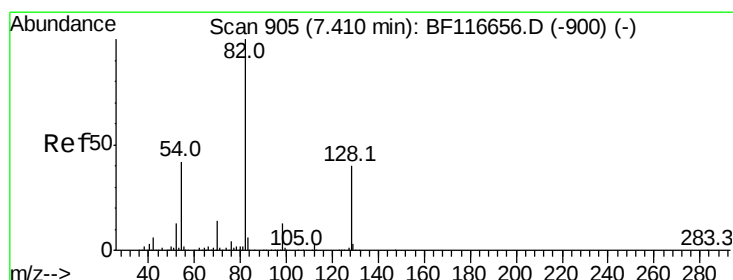
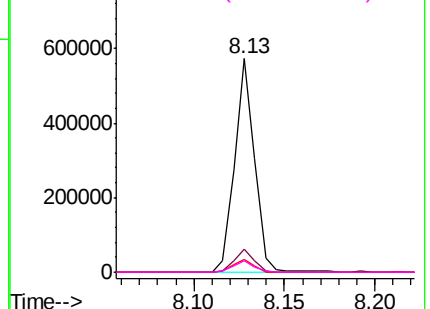


Abundance Ion 136.00 (135.70 to 136.70): E

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: 24.861 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

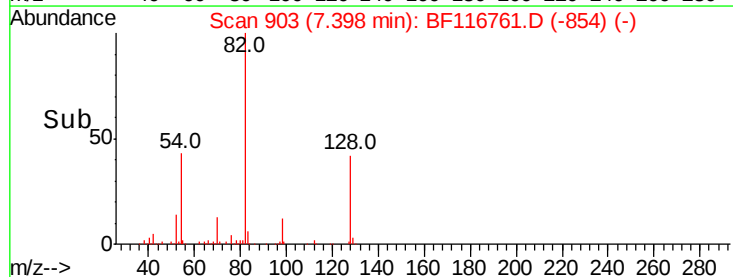
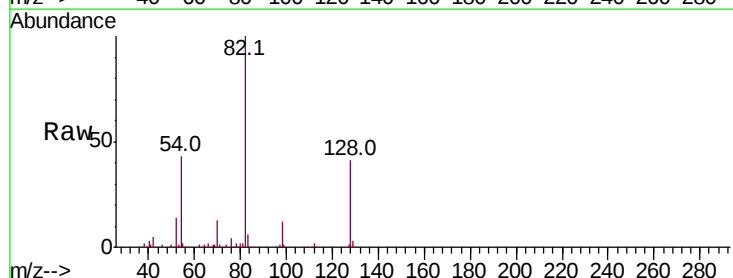
Tgt Ion: 82 Resp: 191270

Ion Ratio Lower Upper

82 100

128 41.4 32.8 49.2

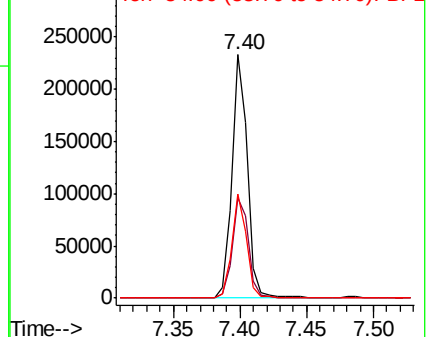
54 42.7 36.9 55.3

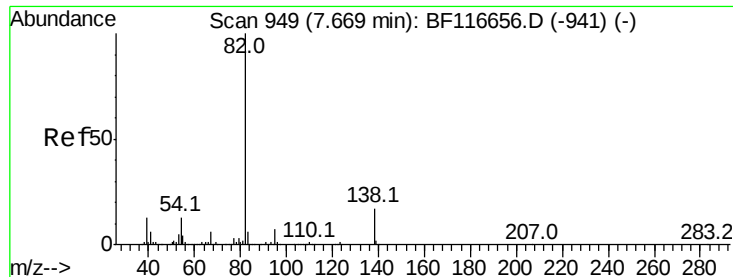


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.108 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

Instrument :

BNA_F

ClientSampleId :

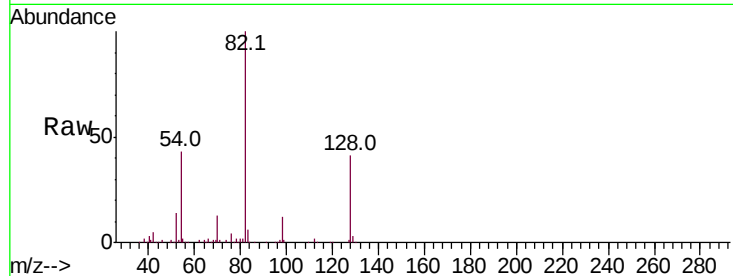
Tot Ion: 82 Resp: 188759

Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.6#

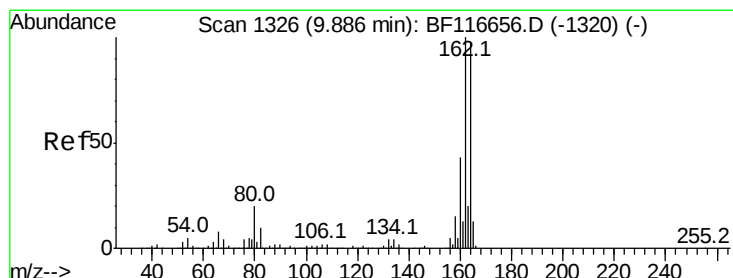
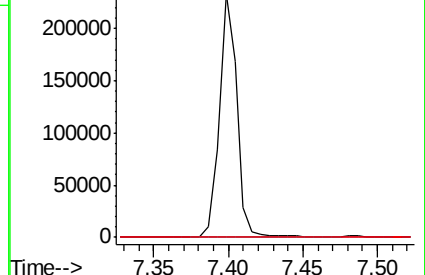
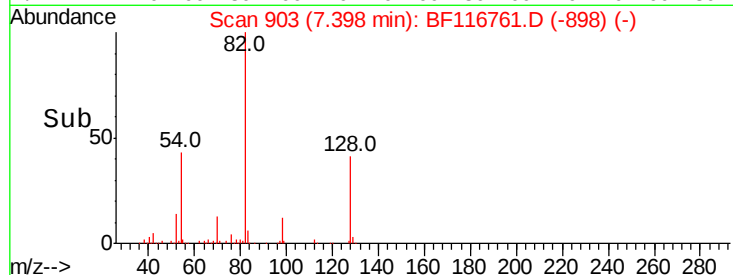
138 0.0 13.5 20.3#



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: BF116761.D

Acq: 1 Sep 2019 23:42

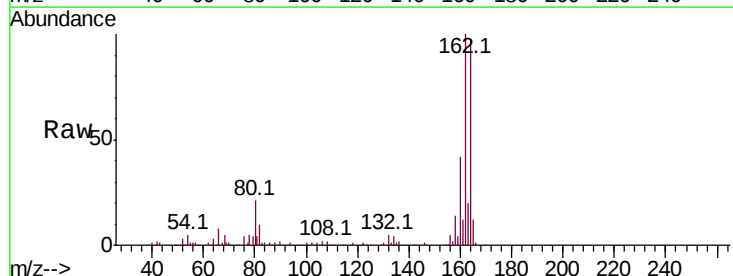
Tgt Ion: 164 Resp: 237709

Ion Ratio Lower Upper

164 100

162 102.7 81.4 122.0

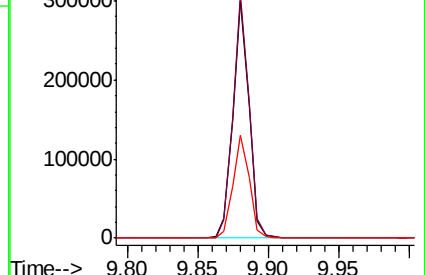
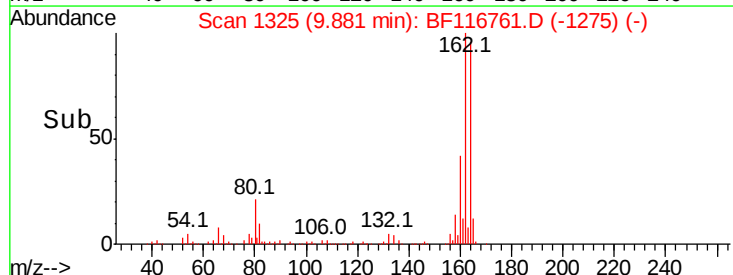
160 43.4 35.4 53.2

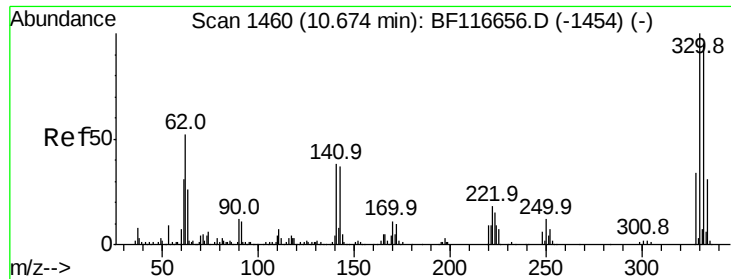


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

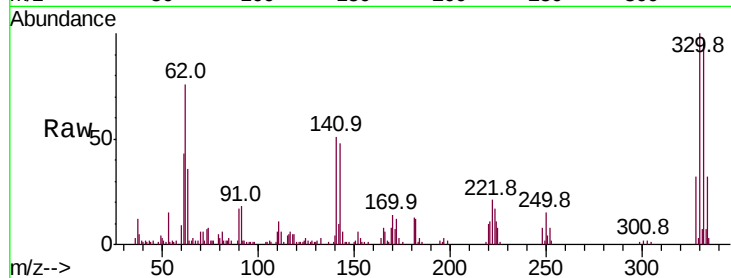




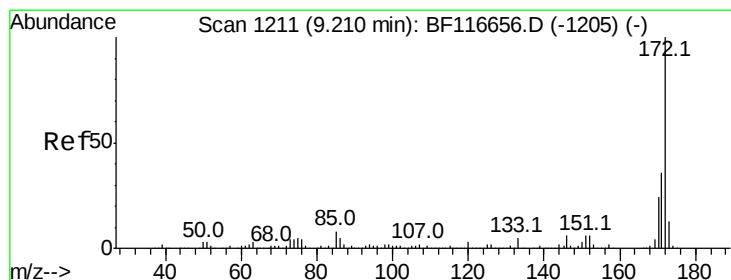
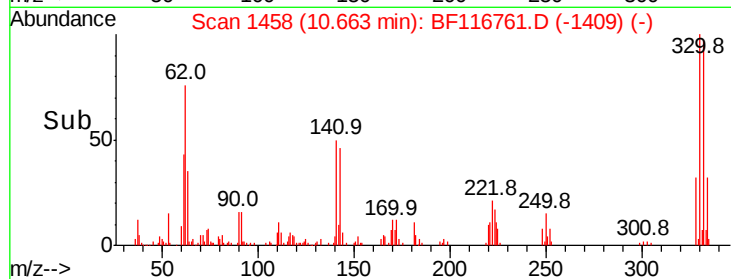
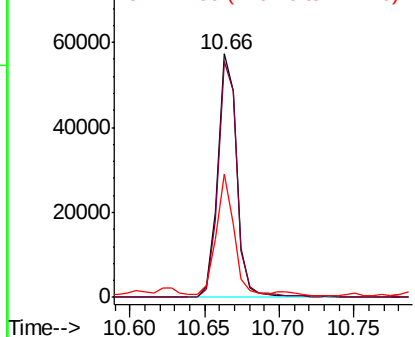
#42
 2,4,6-Tribromophenol
 Concen: 32.550 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116761.D
 Acq: 1 Sep 2019 23:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 51727
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.9 115.3
 141 46.7 31.4 47.2

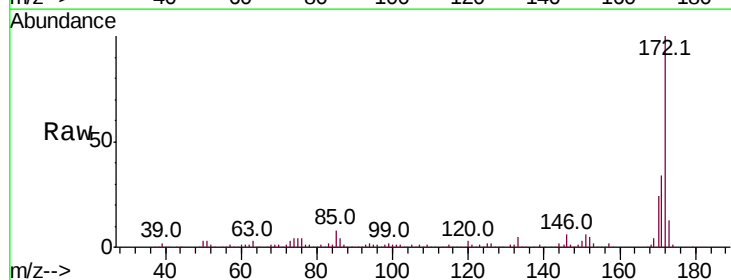


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

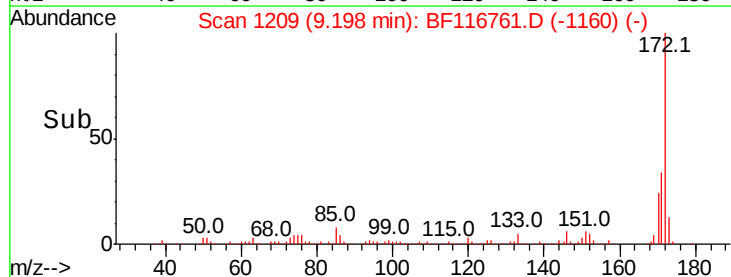
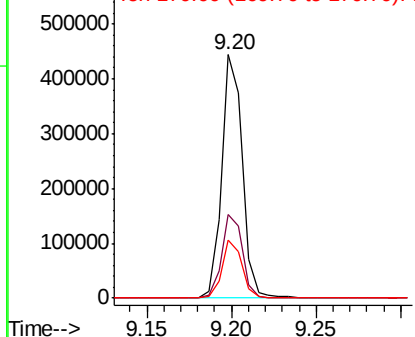


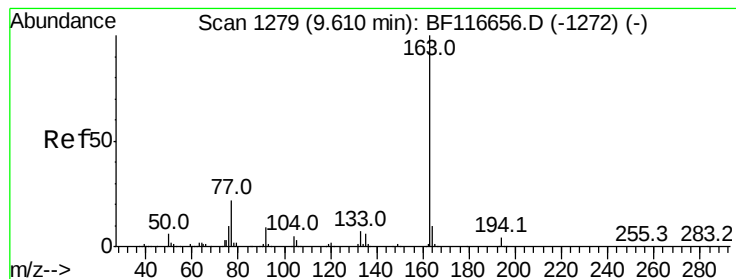
#45
 2-Fluorobiphenyl
 Concen: 26.775 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116761.D
 Acq: 1 Sep 2019 23:42

Tgt Ion:172 Resp: 377304
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.8 41.6
 170 23.8 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: 2.937 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

Instrument :

BNA_F

ClientSampleId :

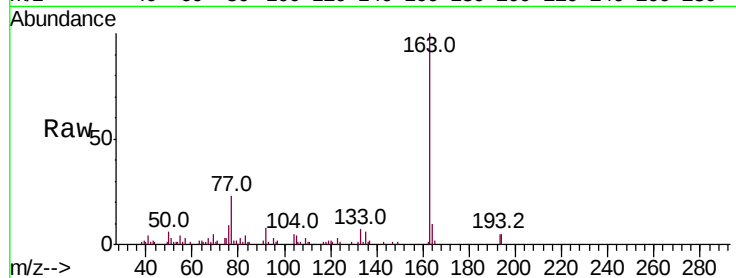
Tot Ion:163 Resp: 48195

Ion Ratio Lower Upper

163 100

194 4.9 2.8 4.2#

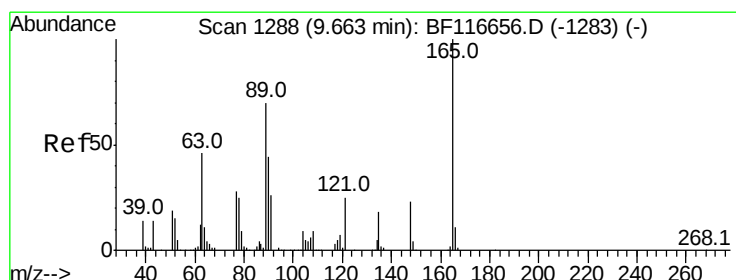
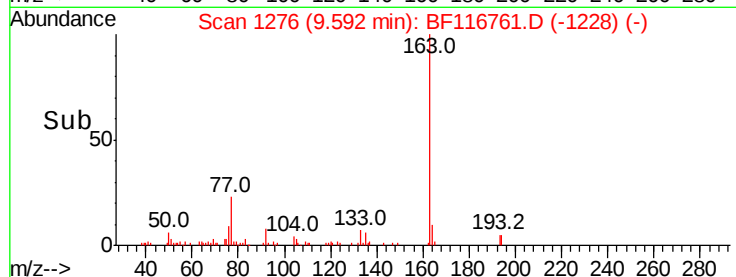
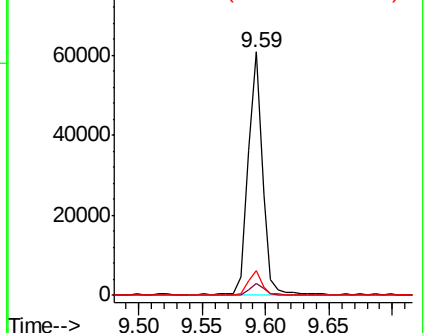
164 10.3 8.6 12.8



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: 10.337 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

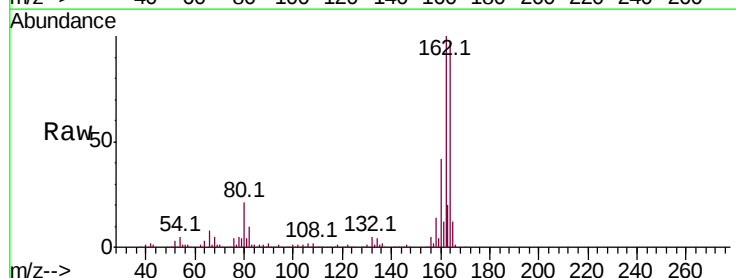
Tgt Ion:165 Resp: 32367

Ion Ratio Lower Upper

165 100

63 1.9 47.3 70.9#

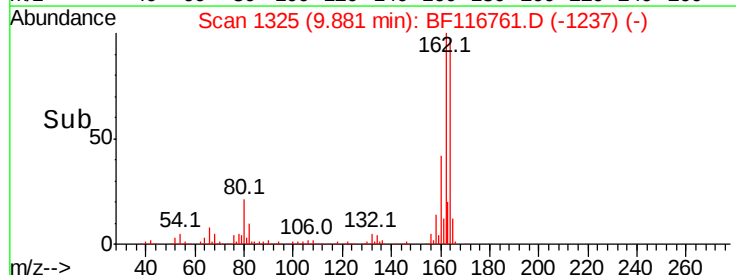
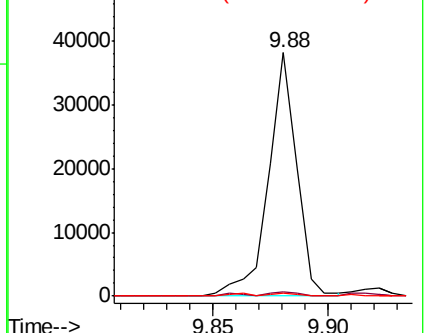
89 1.4 52.5 78.7#

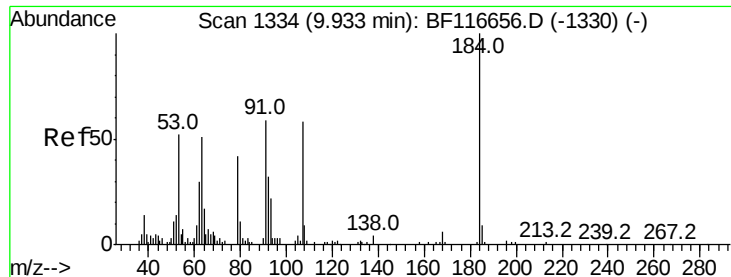


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

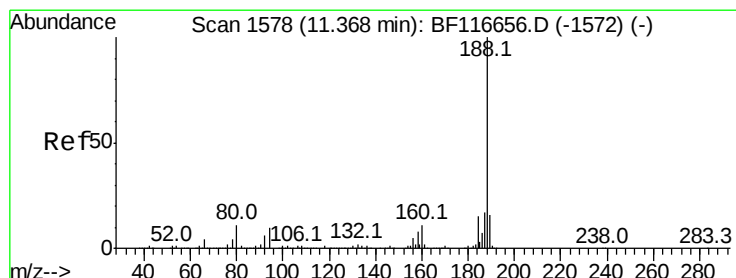
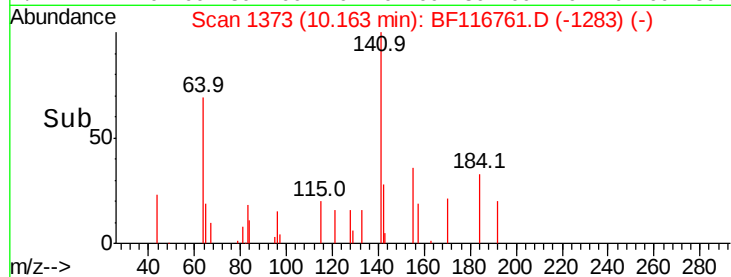
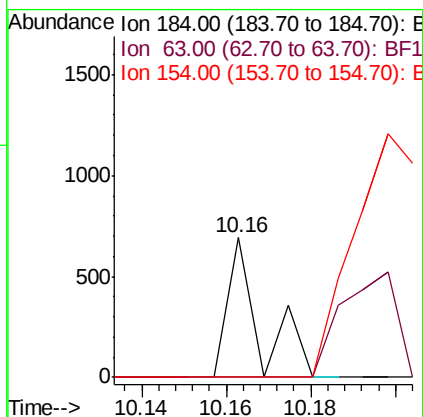
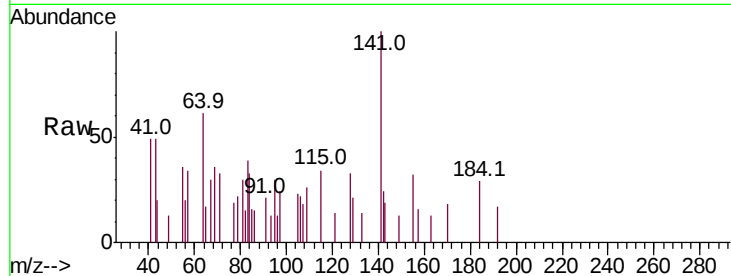




#54
2,4-Dinitrophenol
Concen: 9.337 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.23 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

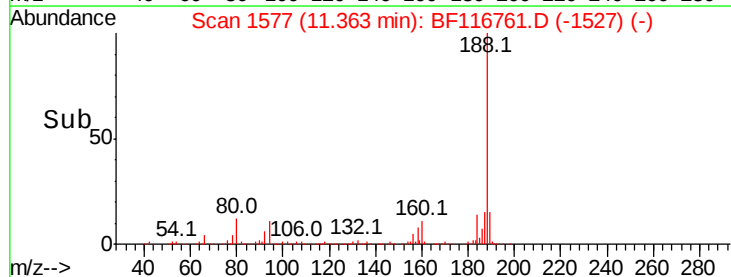
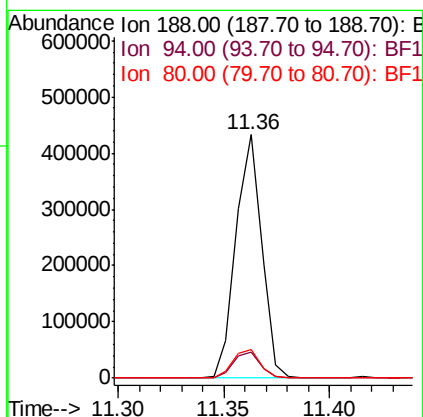
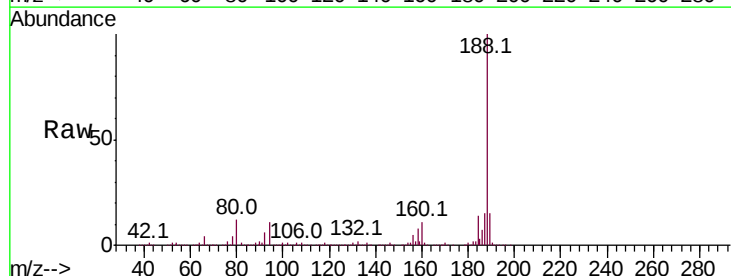
Instrument :
BNA_F
ClientSampleId :

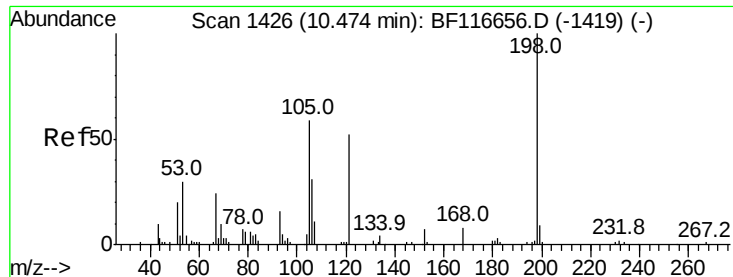
Tot Ion:184 Resp: 371
Ion Ratio Lower Upper
184 100
63 0.0 52.2 78.2#
154 0.0 60.8 91.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion:188 Resp: 366551
Ion Ratio Lower Upper
188 100
94 10.7 7.3 10.9
80 11.7 8.4 12.6

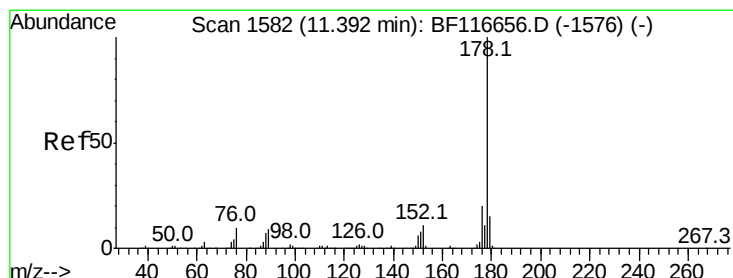
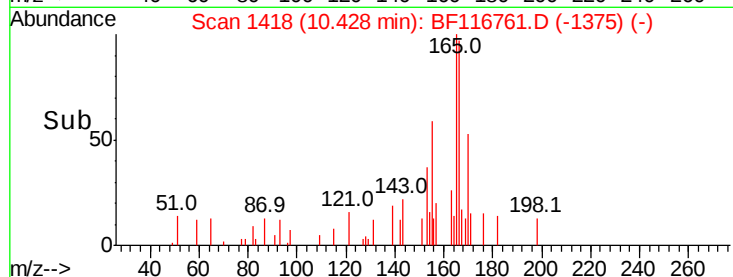
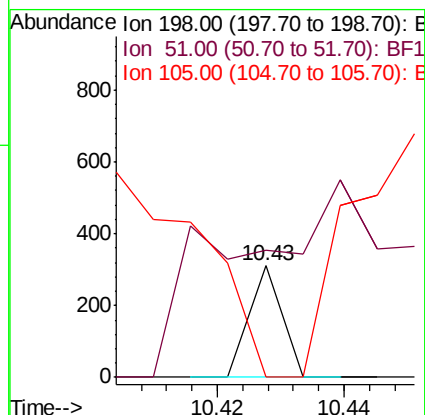
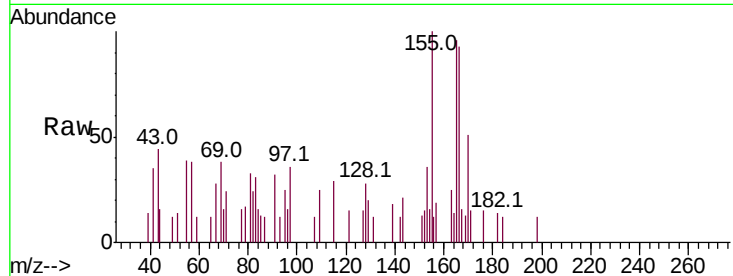




#65
4,6-Dinitro-2-methylphenol
Concen: 7.519 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.05 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

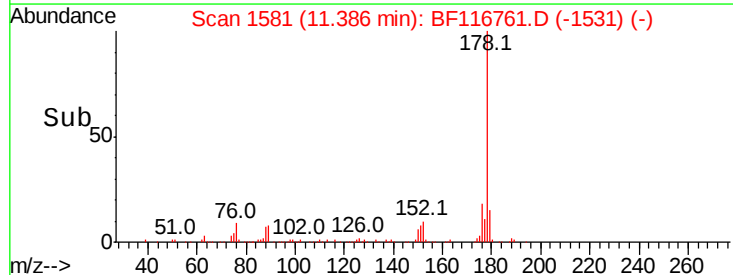
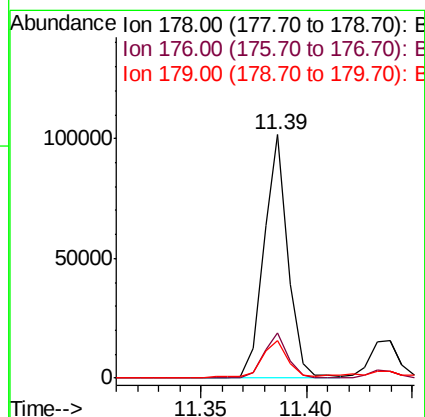
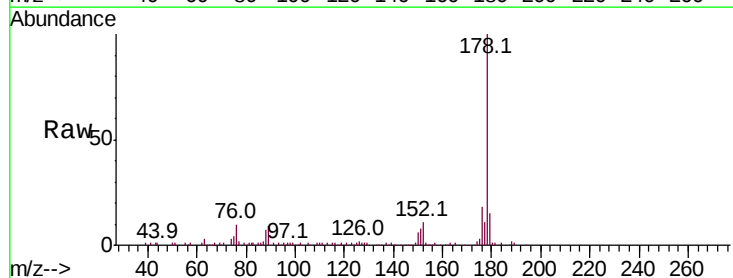
Instrument :
BNA_F
ClientSampleId :

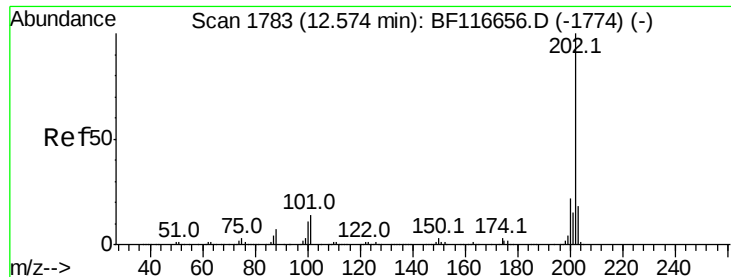
Tot Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 113.9 18.4 58.4#
105 0.0 22.9 62.9#



#71
Phenanthrene
Concen: 3.946 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion:178 Resp: 80512
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 15.2 12.2 18.2





#75

Fluoranthene

Concen: 6.169 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116761.D

Acq: 1 Sep 2019 23:42

Instrument :

BNA_F

ClientSampleId :

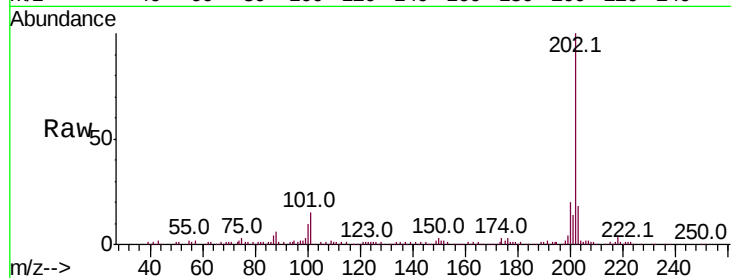
Tot Ion:202 Resp: 123708

Ion Ratio Lower Upper

202 100

101 14.6 0.0 31.3

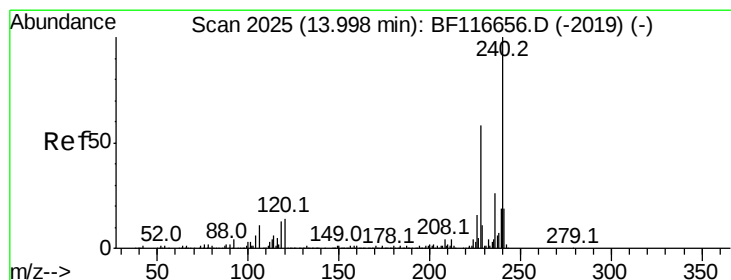
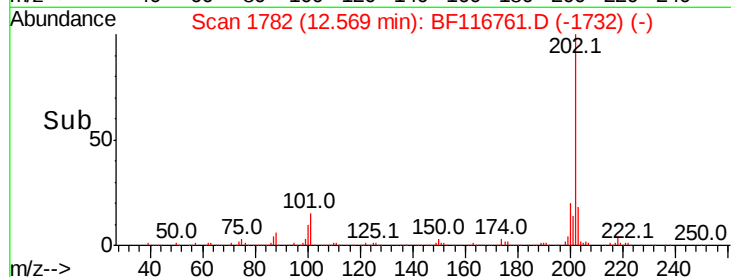
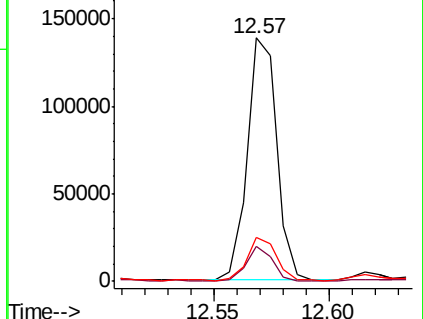
203 18.3 0.0 37.6



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: BF116761.D

Acq: 1 Sep 2019 23:42

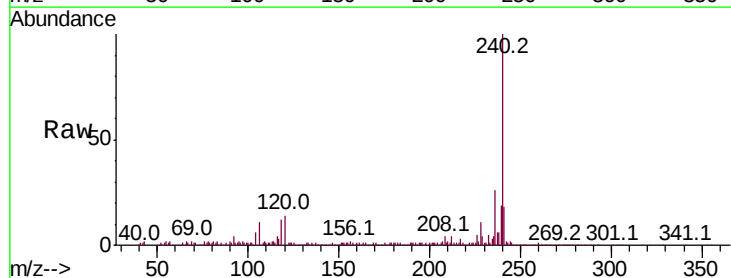
Tgt Ion:240 Resp: 258754

Ion Ratio Lower Upper

240 100

120 14.4 9.1 13.7#

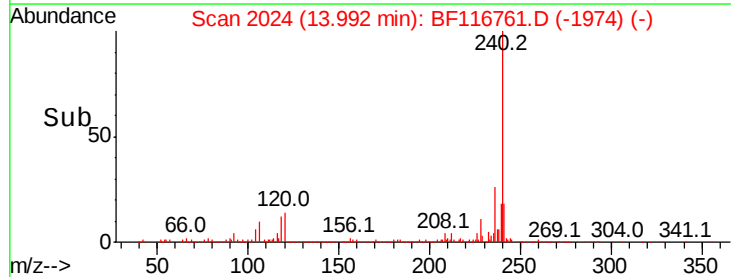
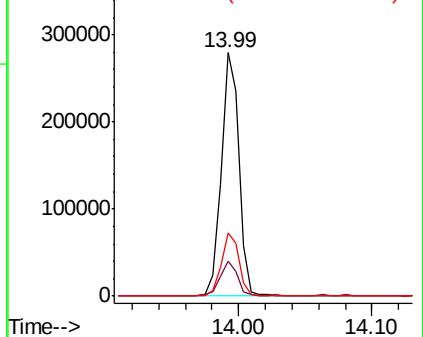
236 26.1 21.1 31.7

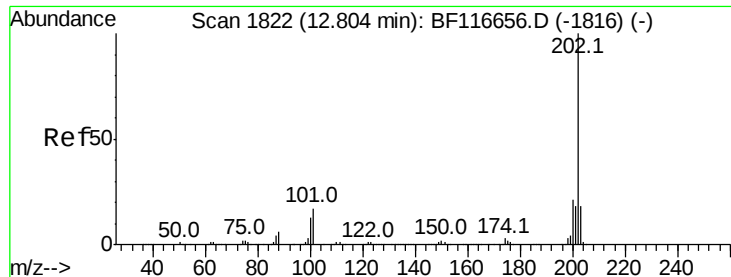


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

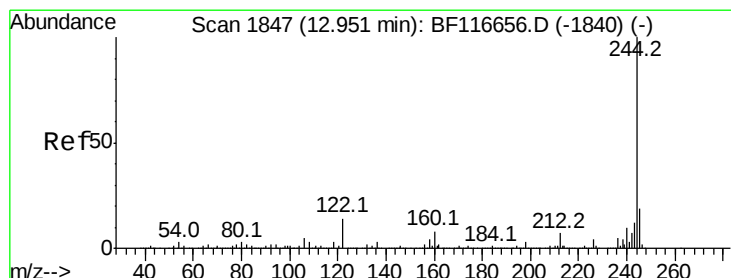
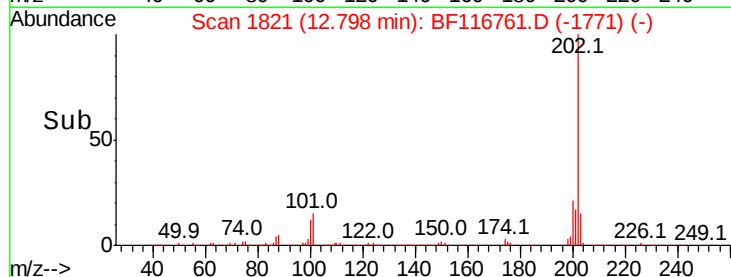
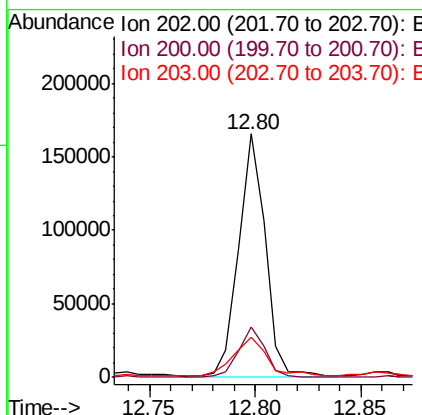
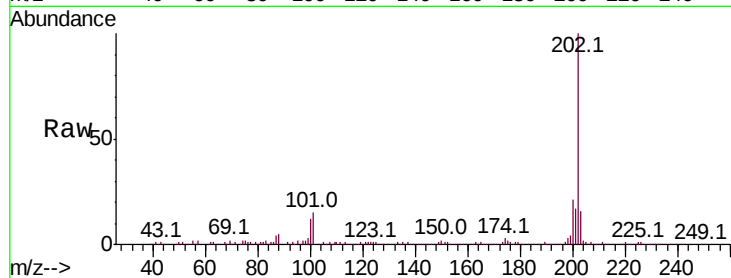




#78
Pvrene
Concen: 6.243 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

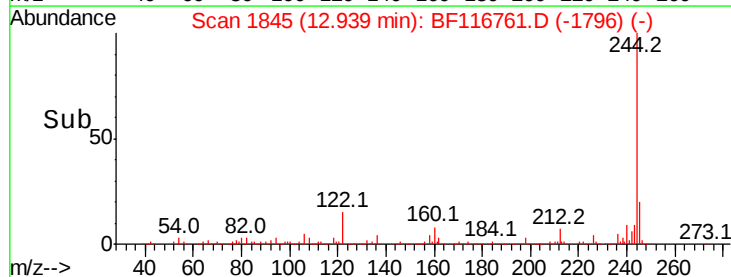
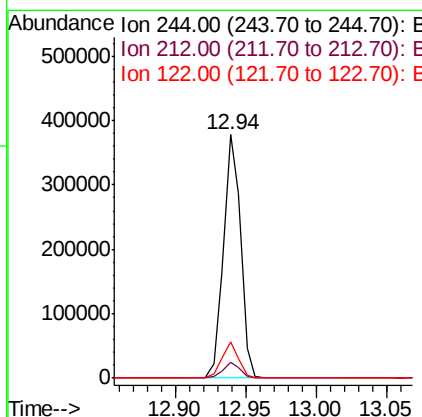
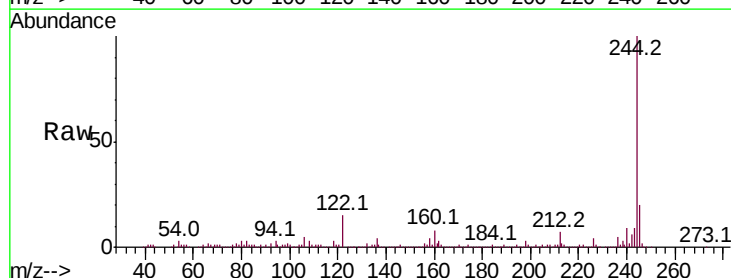
Instrument :
BNA_F
ClientSampleId :

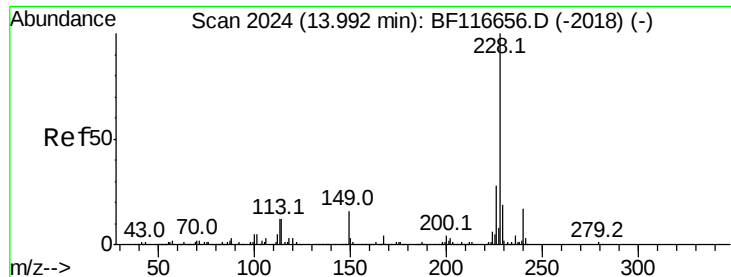
Tot Ion:202 Resp: 143593
Ion Ratio Lower Upper
202 100
200 20.5 16.5 24.7
203 16.3 13.7 20.5



#79
Terphenyl-d14
Concen: 22.844 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion:244 Resp: 319525
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 15.1 10.2 15.4

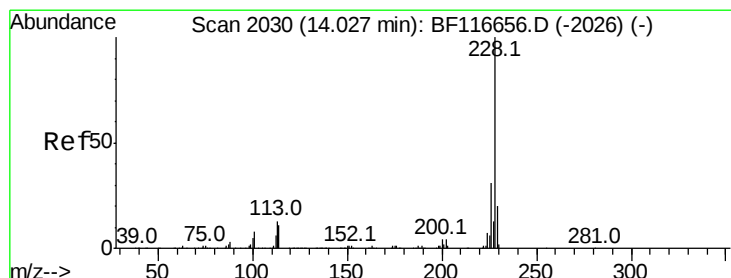
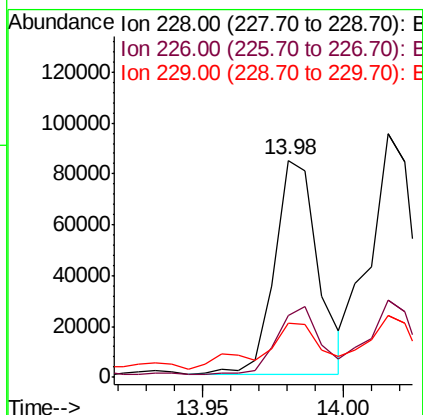
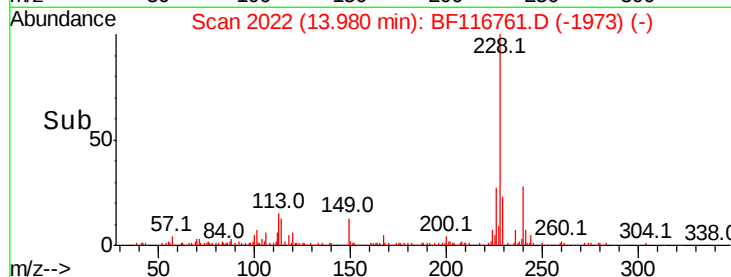
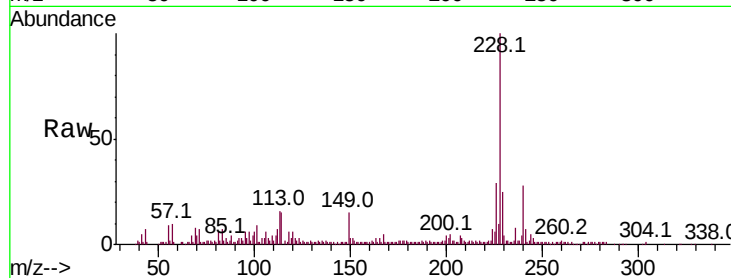




#81
Benzo(a)anthracene
Concen: 5.491 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

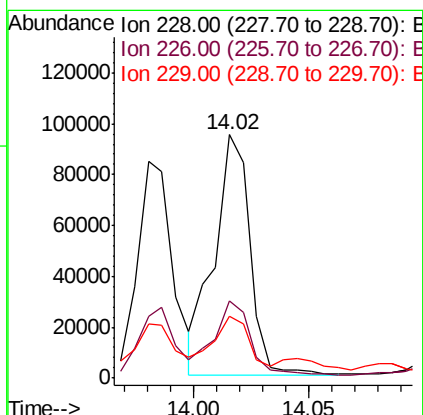
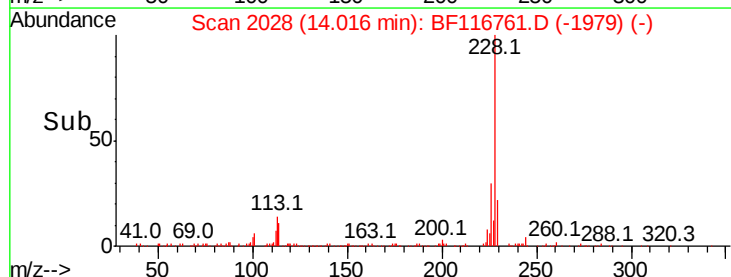
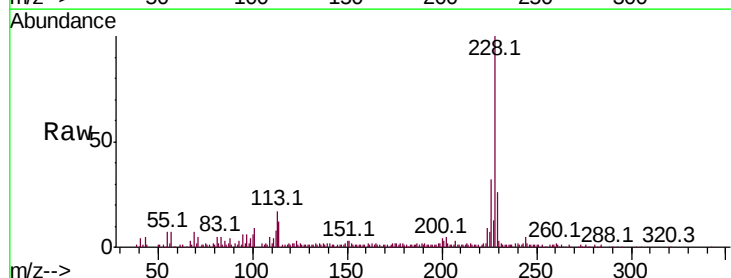
Instrument :
BNA_F
ClientSampleId :

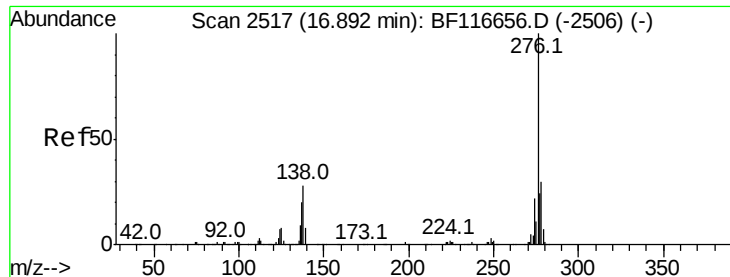
Tot Ion:228 Resp: 89929
Ion Ratio Lower Upper
228 100
226 28.8 22.0 33.0
229 24.9 16.4 24.6#



#83
Chrysene
Concen: 6.016 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion:228 Resp: 101501
Ion Ratio Lower Upper
228 100
226 31.6 24.0 36.0
229 25.5 15.4 23.0#

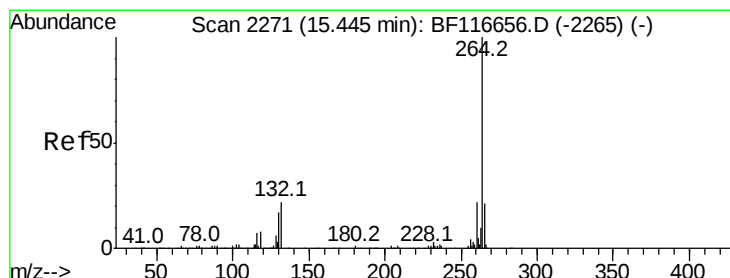
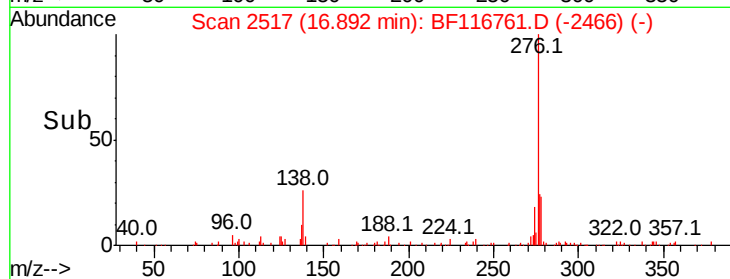
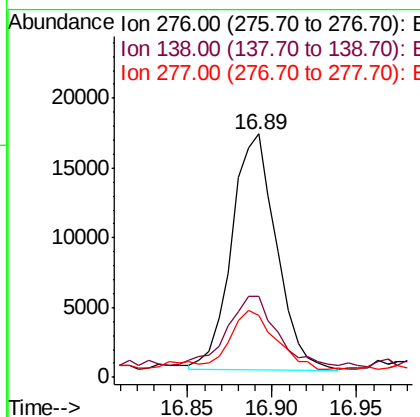
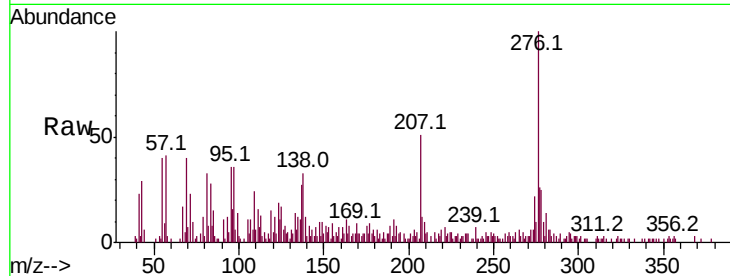




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.301 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.00 min
 Lab File: BF116761.D
 Acq: 1 Sep 2019 23:42

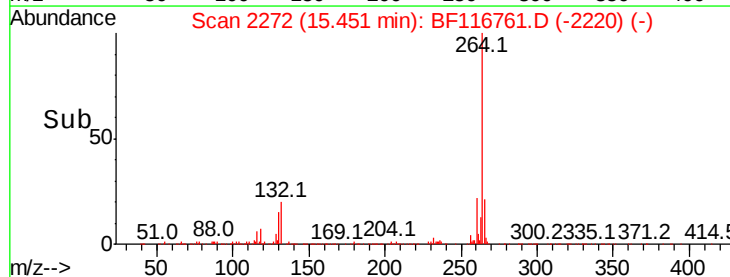
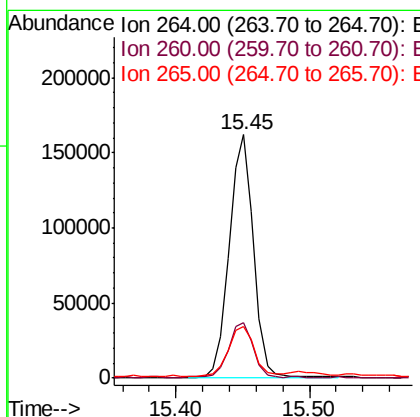
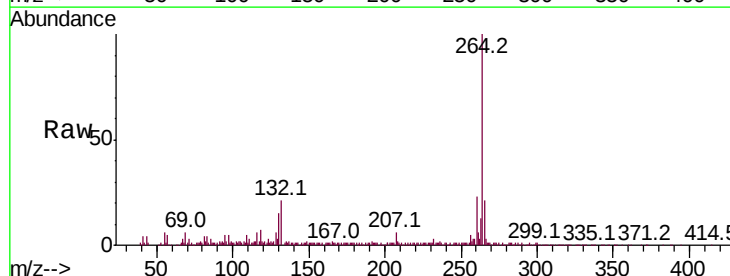
Instrument :
 BNA_F
 ClientSampleId :

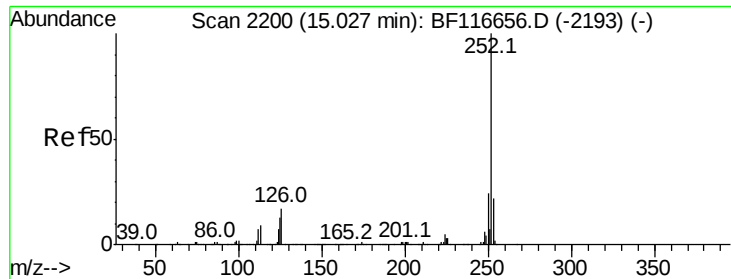
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.0	19.4	29.2
277	24.7	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF116761.D
 Acq: 1 Sep 2019 23:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.3	27.5
265	21.3	16.5	24.7

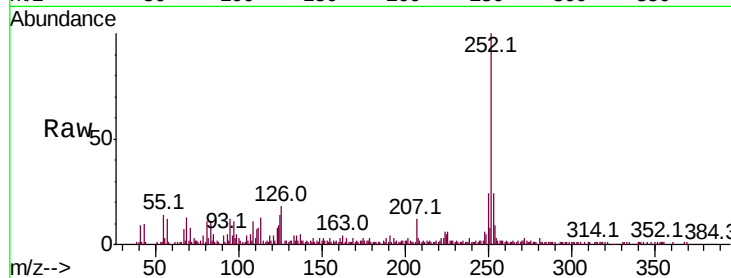




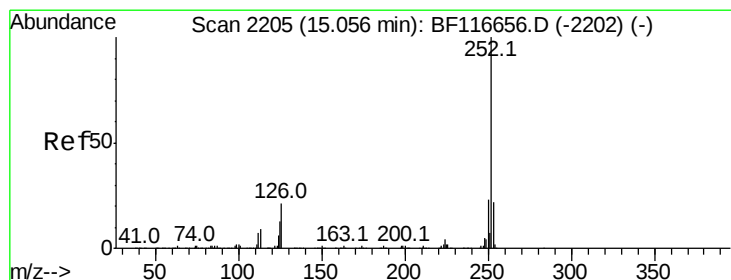
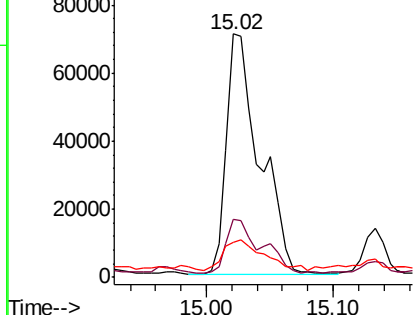
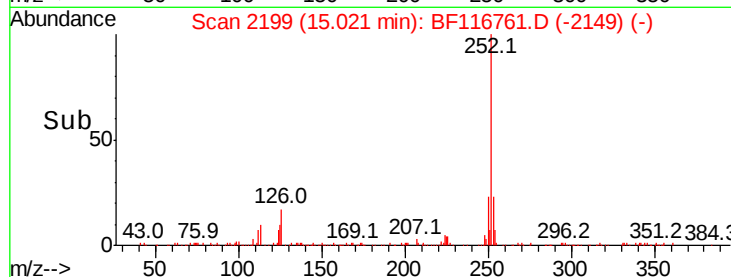
#88
Benzo(b)fluoranthene
Concen: 10.464 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Instrument :
BNA_F
ClientSampleID :

Tot Ion:252 Resp: 129274
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 14.4 8.2 12.2#

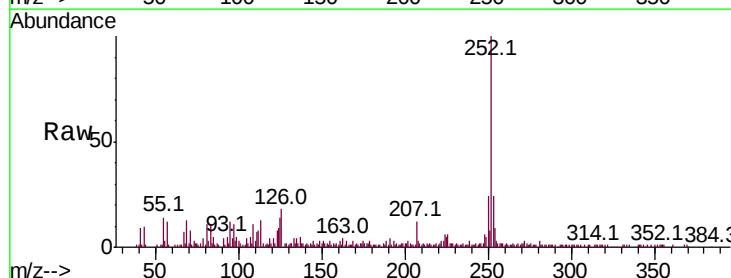


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

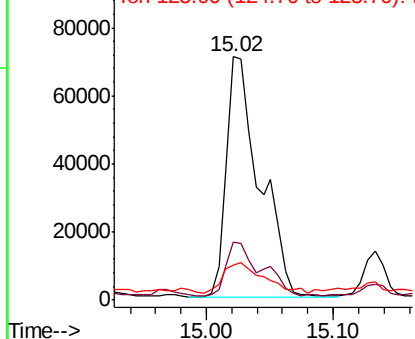
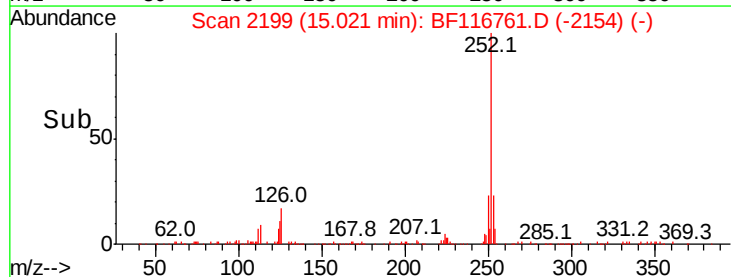


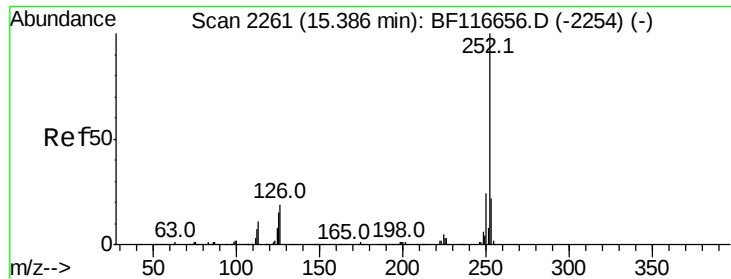
#89
Benzo(k)fluoranthene
Concen: 11.477 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion:252 Resp: 129274
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 14.4 8.6 13.0#



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

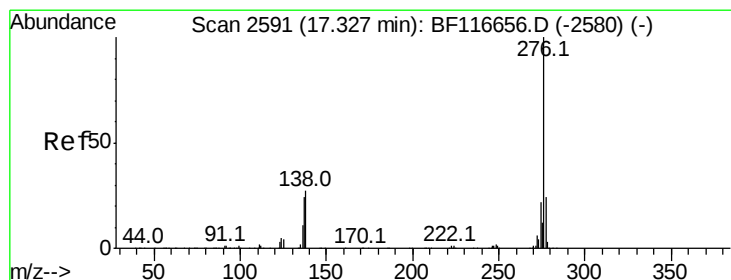
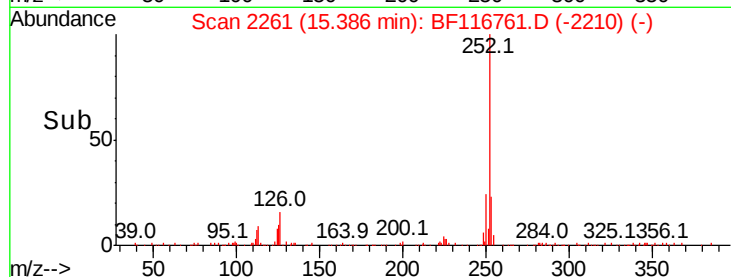
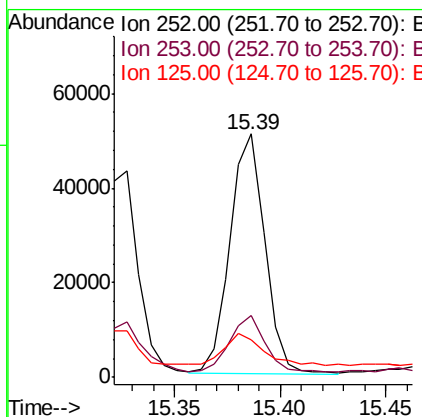
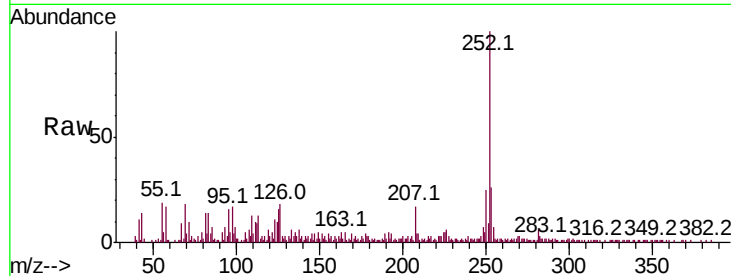




#90
Benzo(a)pyrene
Concen: 5.396 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57996
Ion Ratio Lower Upper
252 100
253 25.5 18.1 27.1
125 15.7 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 3.554 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116761.D
Acq: 1 Sep 2019 23:42

Tgt Ion:276 Resp: 34096
Ion Ratio Lower Upper
276 100
277 24.2 18.5 27.7
138 28.3 16.2 24.2#

