

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116036.D
 Acq On : 7 Aug 2019 3:39
 Operator : HP/JU
 Sample : 4090-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 06:06:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

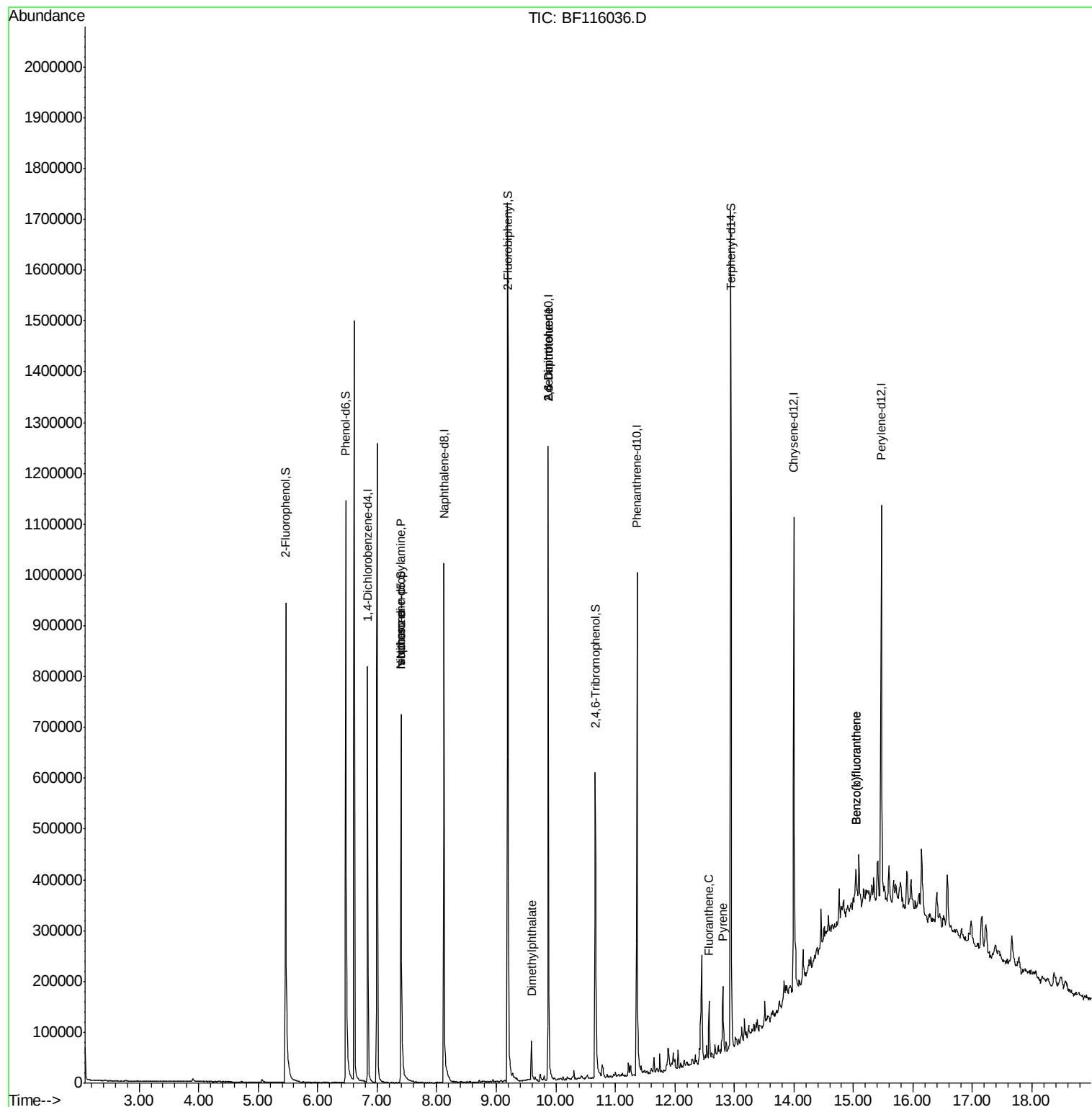
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	125261	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	486949	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	246273	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	393523	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	321530	20.00	ng	-0.03
87) Perylene-d12	15.47	264	353518	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	353700	47.27	ng	0.00
7) Phenol-d6	6.47	99	479893	50.83	ng	-0.02
23) Nitrobenzene-d5	7.40	82	300590	35.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	87915	36.82	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	577058	43.89	ng	-0.02
79) Terphenyl-d14	12.94	244	520397	34.10	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	38033	6.501	ng	# 79
25) Isophorone	7.40	82	300588	18.634	ng	# 66
50) Dimethylphthalate	9.59	163	41539	2.477	ng	99
51) 2,6-Dinitrotoluene	9.87	165	31542	8.656	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	31537	6.500	ng	# 25
75) Fluoranthene	12.57	202	44452	2.111	ng	99
78) Pyrene	12.80	202	50575	2.087	ng	98
88) Benzo(b)fluoranthene	15.04	252	42136	2.061	ng	# 73
89) Benzo(k)fluoranthene	15.04	252	42136	2.116	ng	# 77

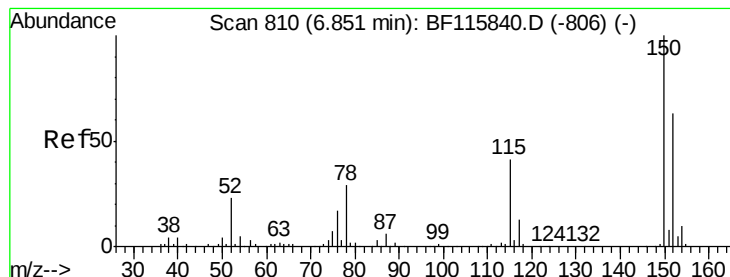
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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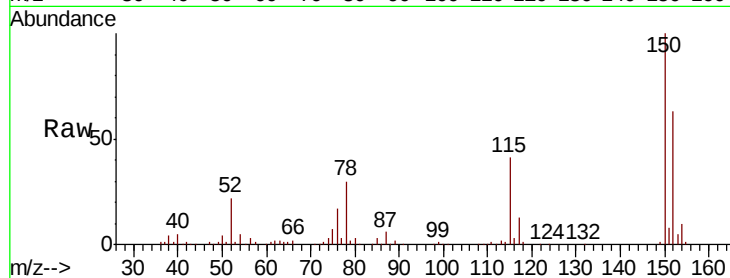


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.4	191.0
115	64.0	51.8	77.8

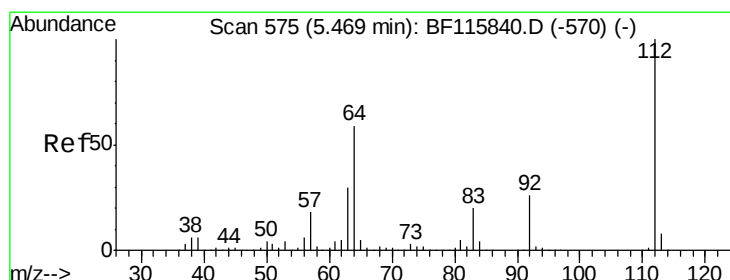
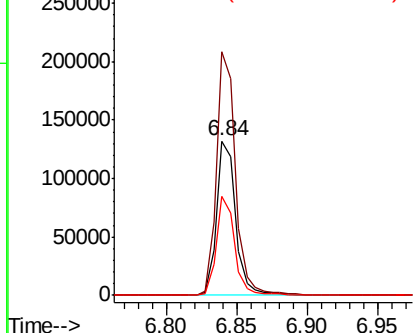
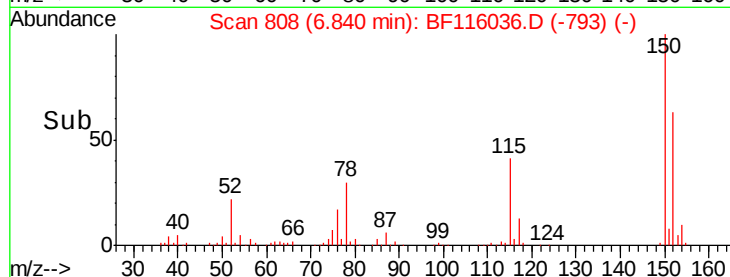


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

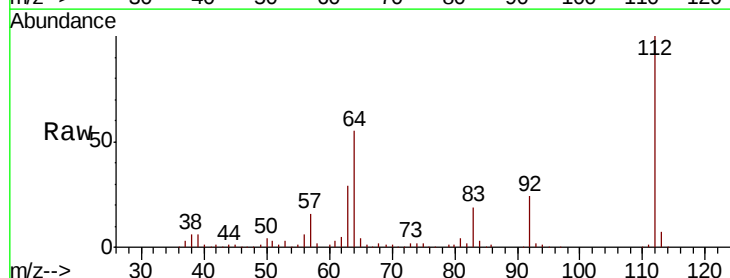
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.271 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.8	70.2
63	29.0	24.2	36.2

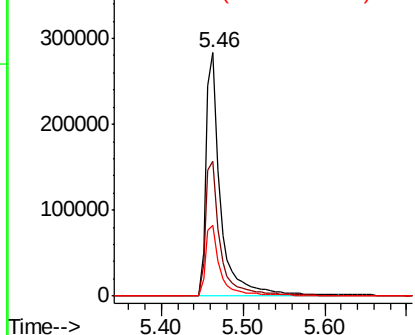
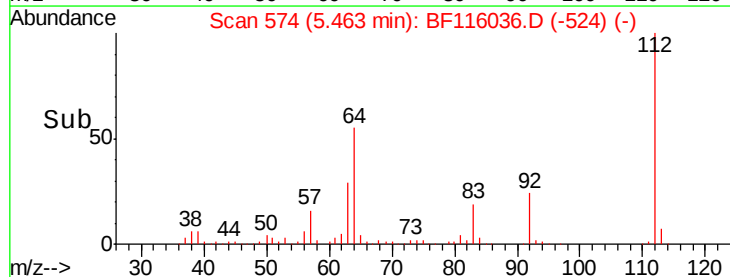


Abundance

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: 50.834 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

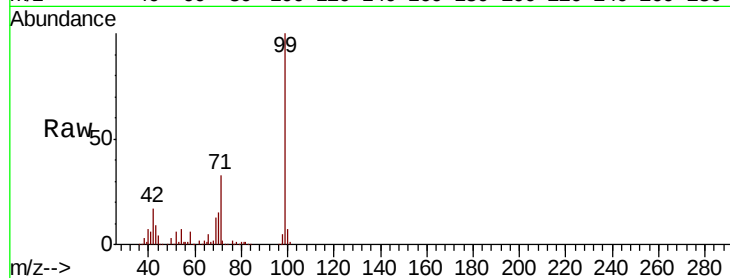
Tot Ion: 99 Resp: 479893

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.6

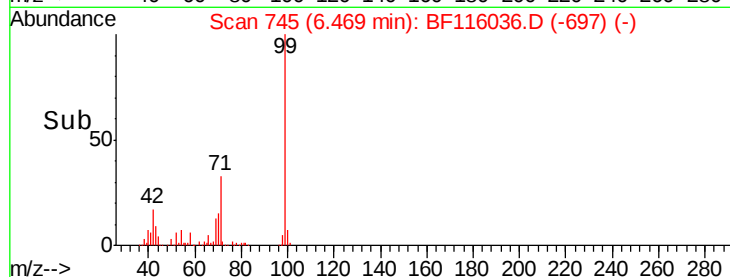
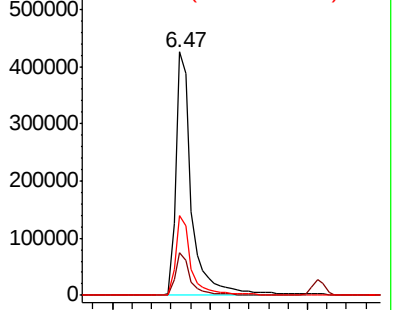
71 32.6 27.1 40.7



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: 6.501 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Tgt Ion: 70 Resp: 38033

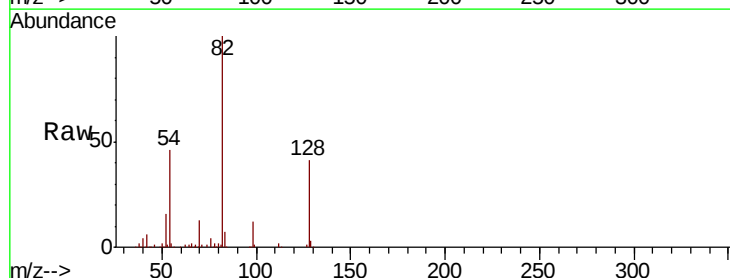
Ion Ratio Lower Upper

70 100

42 44.2 41.8 62.8

101 0.0 7.7 11.5#

130 2.0 17.8 26.6#

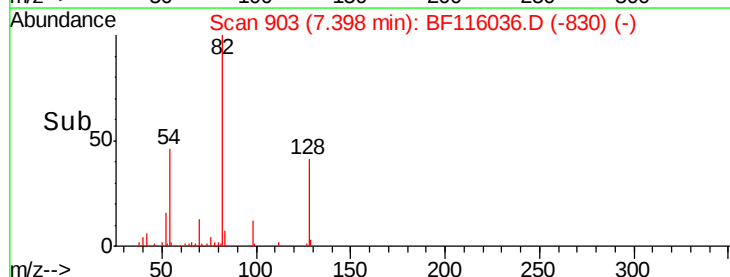
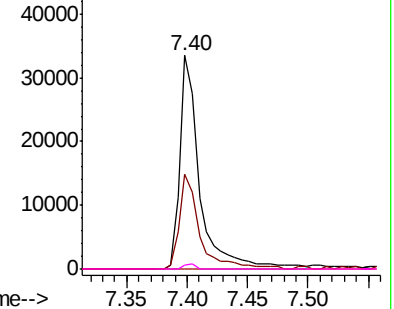


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 486949

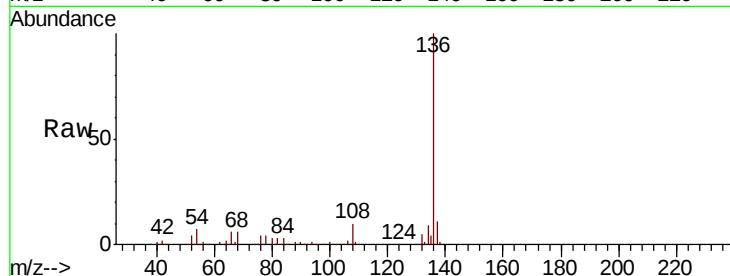
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.2 6.1 9.1

68 6.1 5.4 8.2

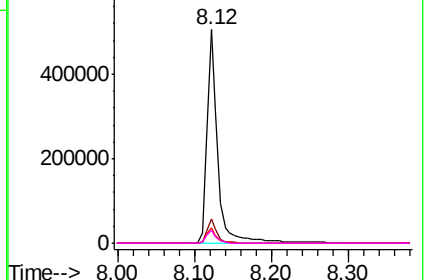
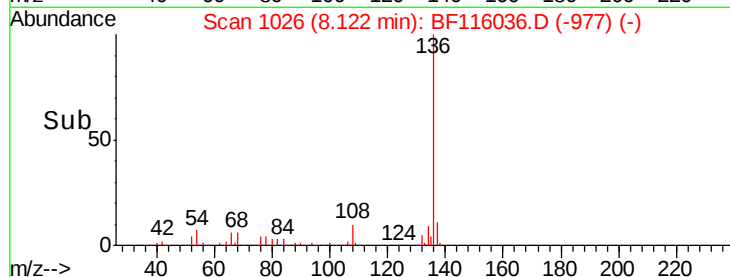


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.632 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

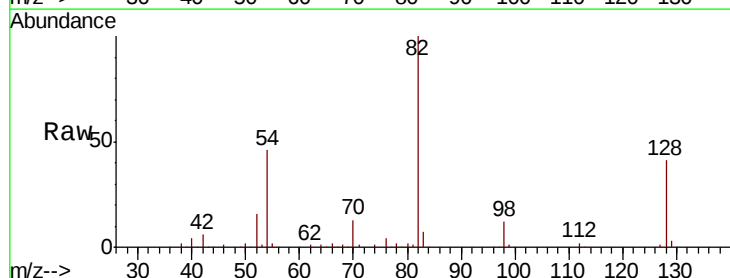
Tgt Ion: 82 Resp: 300590

Ion Ratio Lower Upper

82 100

128 40.6 36.6 55.0

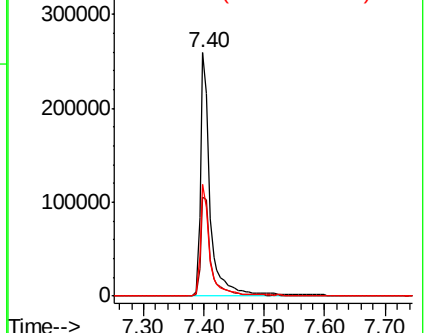
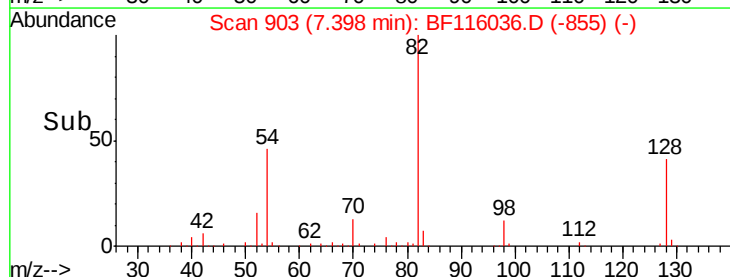
54 46.0 36.6 55.0

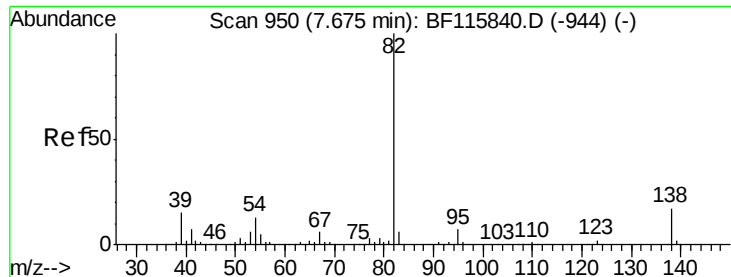


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.634 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

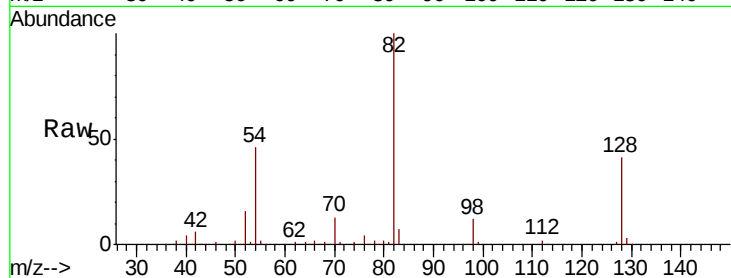
Tot Ion: 82 Resp: 300588

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

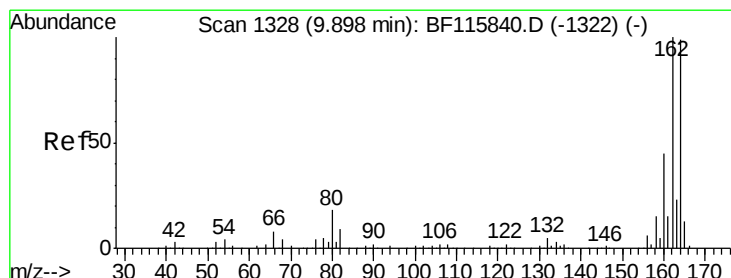
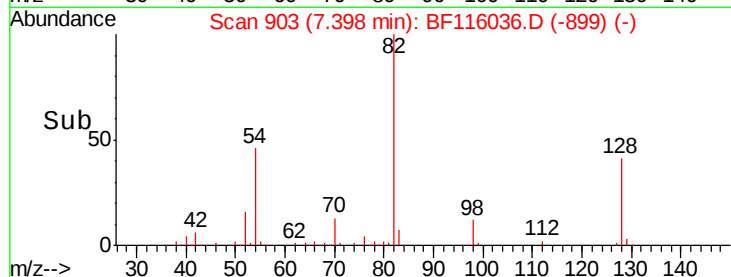
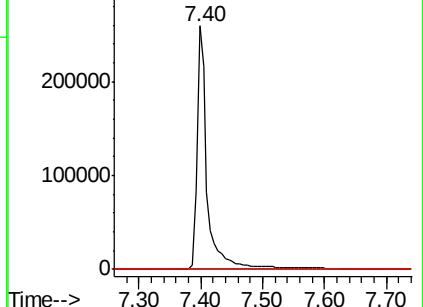
138 0.0 13.9 20.9#



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: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

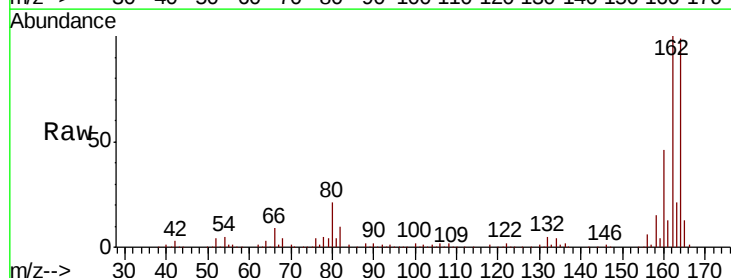
Tgt Ion: 164 Resp: 246273

Ion Ratio Lower Upper

164 100

162 100.7 80.8 121.2

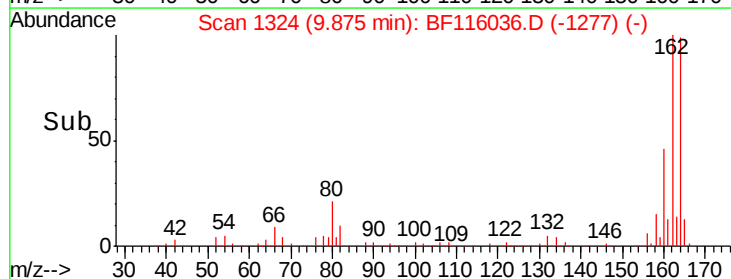
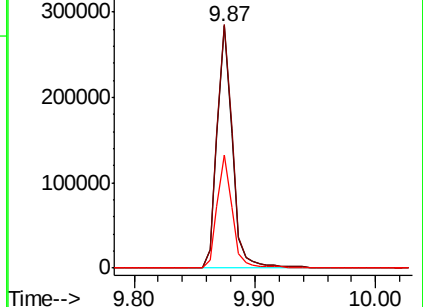
160 46.8 36.2 54.4



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: 36.820 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampled :

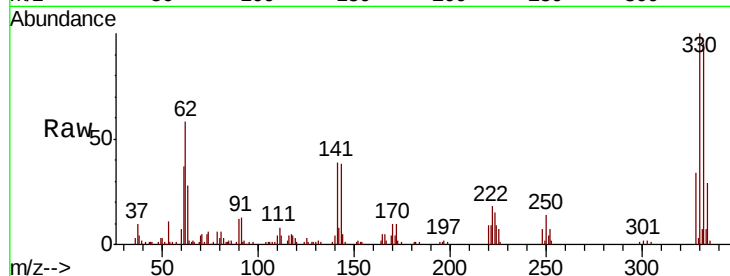
Tot Ion:330 Resp: 87915

Ion Ratio Lower Upper

330 100

332 95.8 77.7 116.5

141 37.1 28.1 42.1

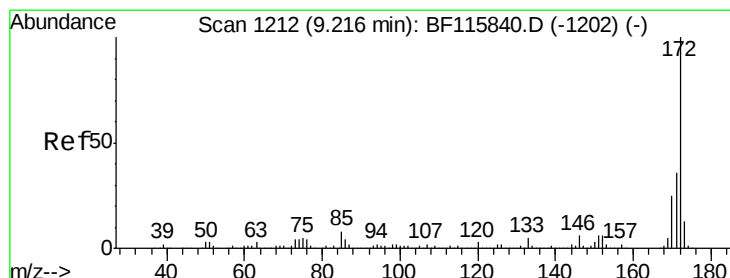
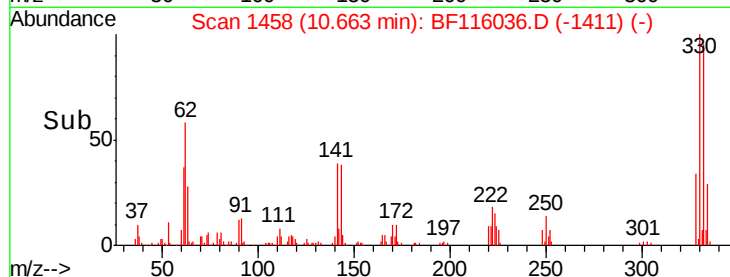
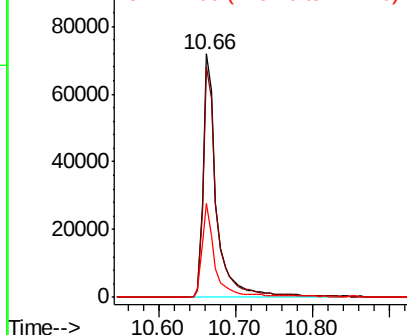


Abundance

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: 43.889 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

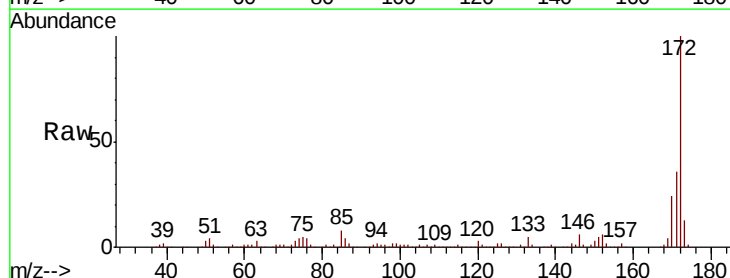
Tgt Ion:172 Resp: 577058

Ion Ratio Lower Upper

172 100

171 35.9 29.1 43.7

170 24.1 20.1 30.1

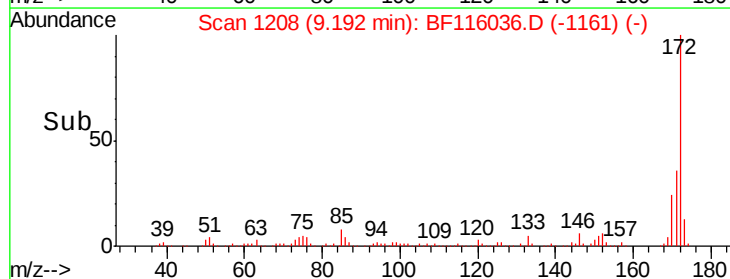
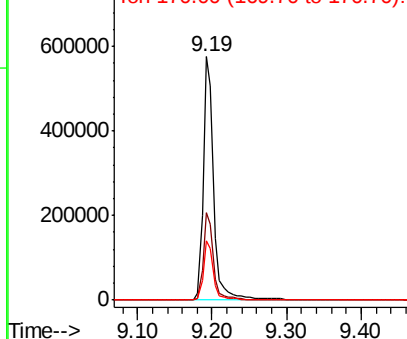


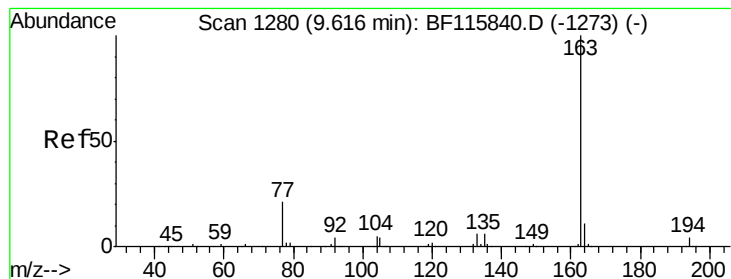
Abundance

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: 2.477 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

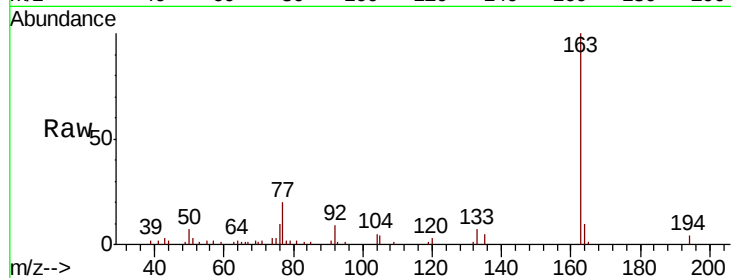
Tot Ion:163 Resp: 41539

Ion Ratio Lower Upper

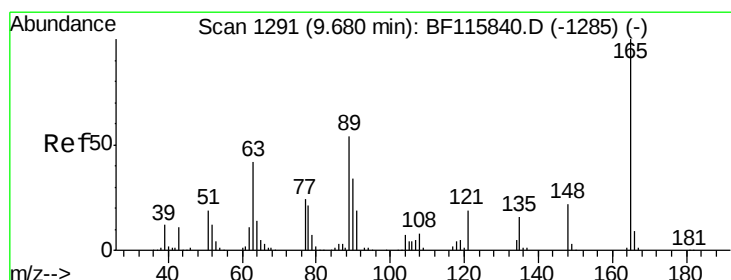
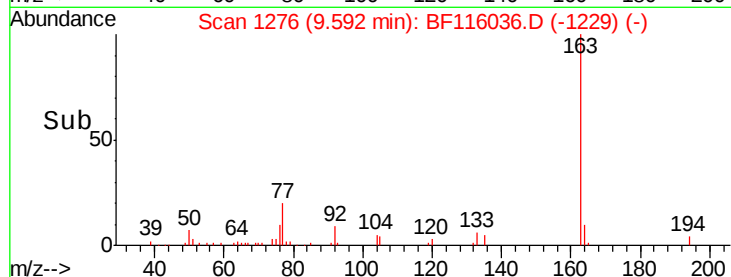
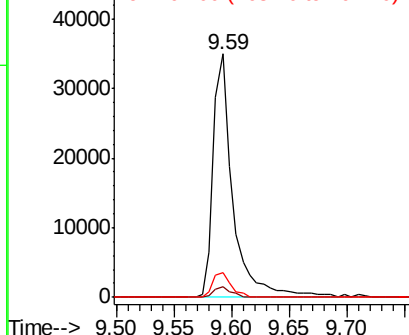
163 100

194 4.3 3.0 4.6

164 10.3 8.4 12.6



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: 8.656 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.19 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

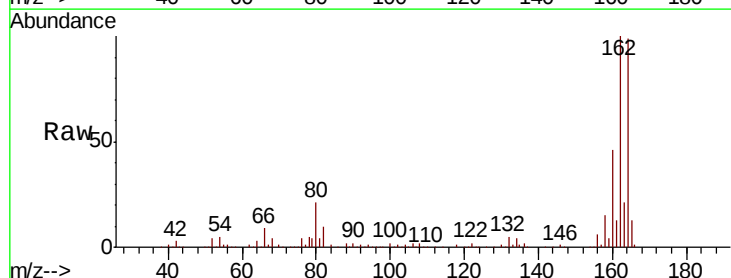
Tgt Ion:165 Resp: 31542

Ion Ratio Lower Upper

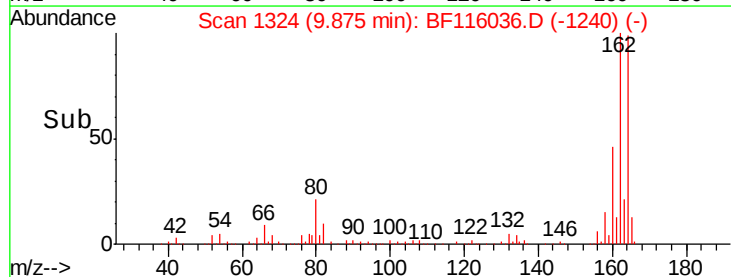
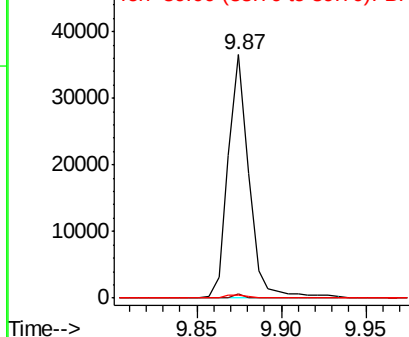
165 100

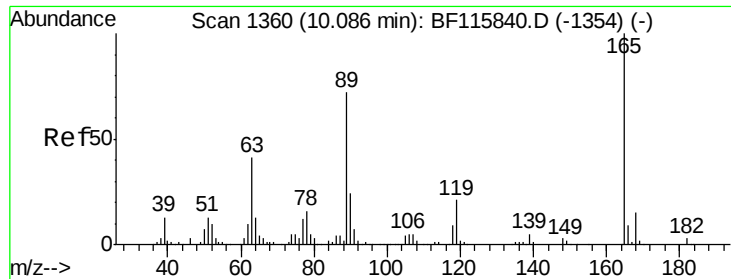
63 1.6 39.4 59.2#

89 1.4 43.0 64.6#



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

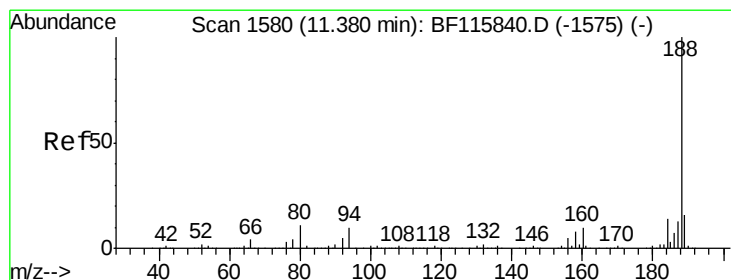
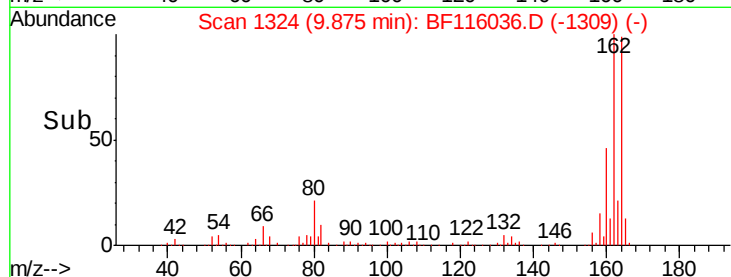
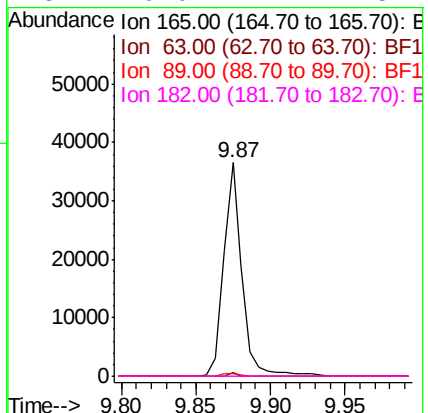
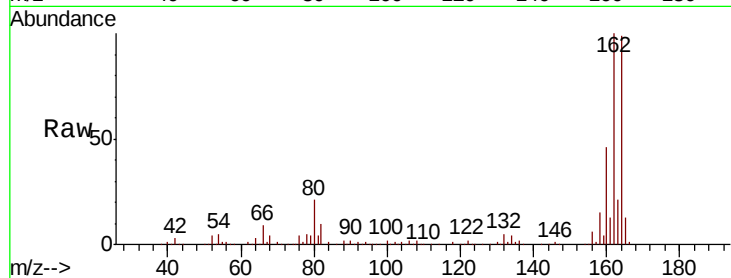




#57
 2,4-Dinitrotoluene
 Concen: 6.500 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

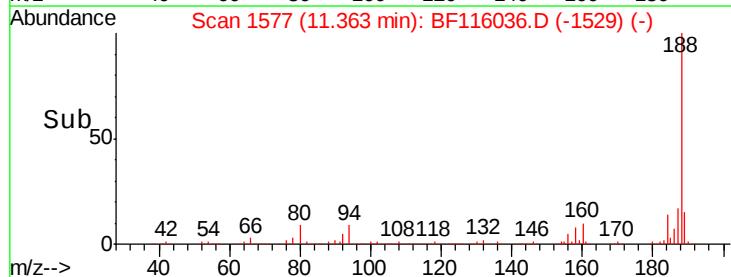
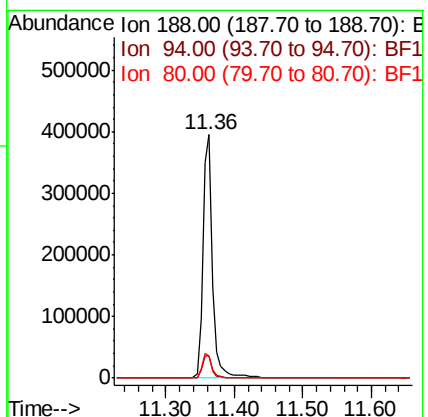
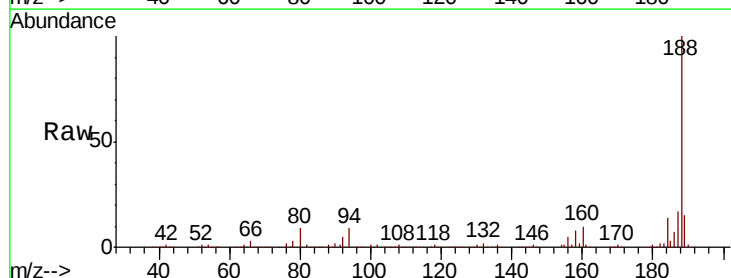
Instrument :
 BNA_F
 ClientSampleId :

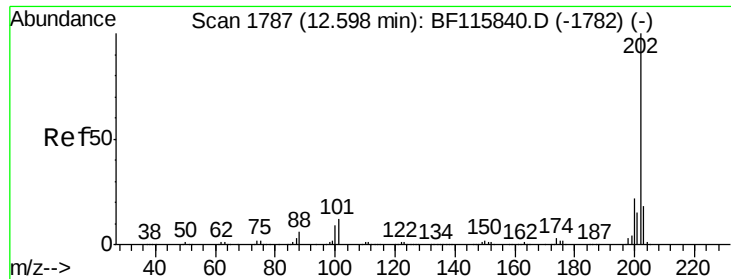
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.2	49.8#
89	1.4	57.3	85.9#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.0	12.0
80	9.2	8.6	12.8





#75

Fluoranthene

Concen: 2.111 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

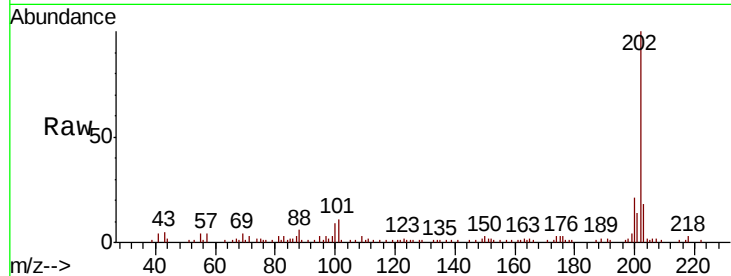
Tot Ion:202 Resp: 44452

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.5

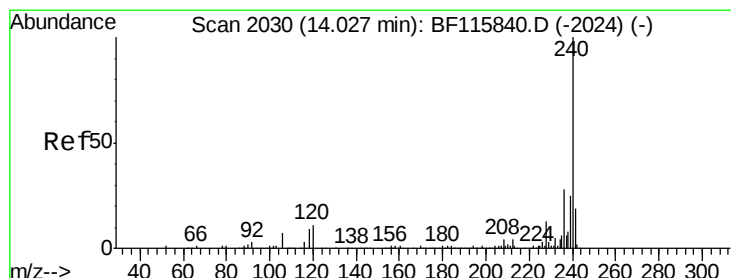
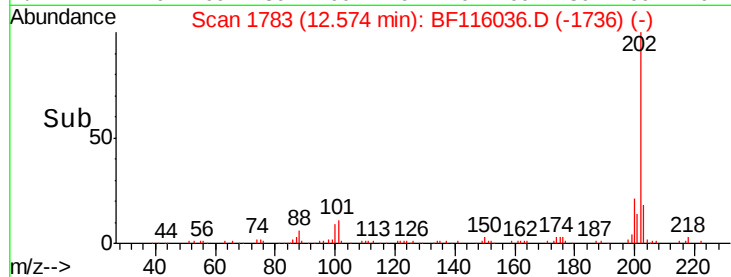
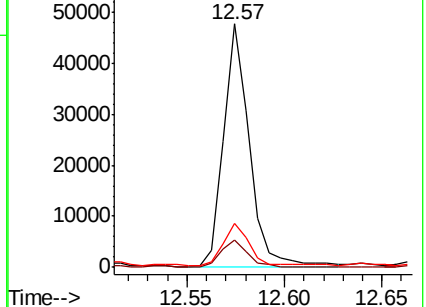
203 18.2 0.0 37.9



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: 14.00 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

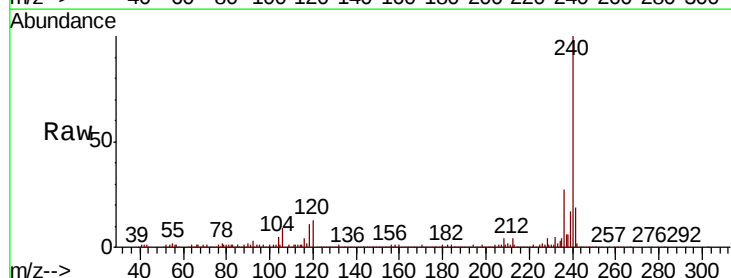
Tgt Ion:240 Resp: 321530

Ion Ratio Lower Upper

240 100

120 12.6 8.5 12.7

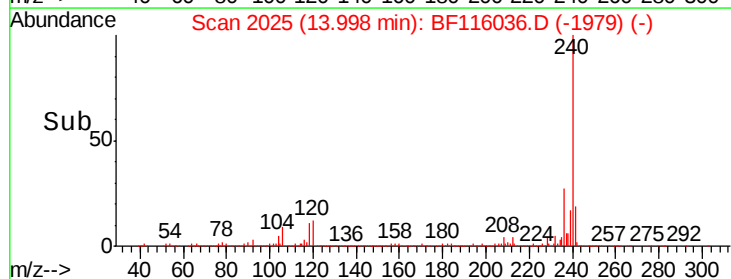
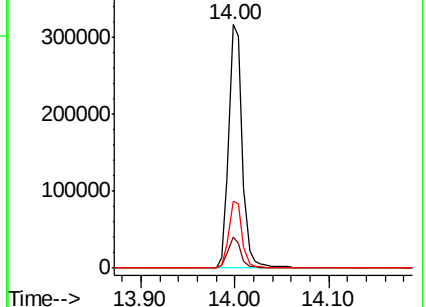
236 27.3 22.2 33.2

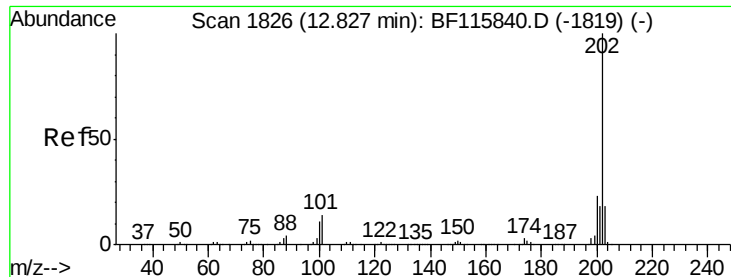


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

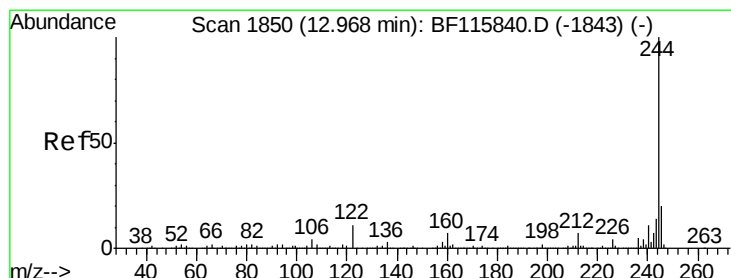
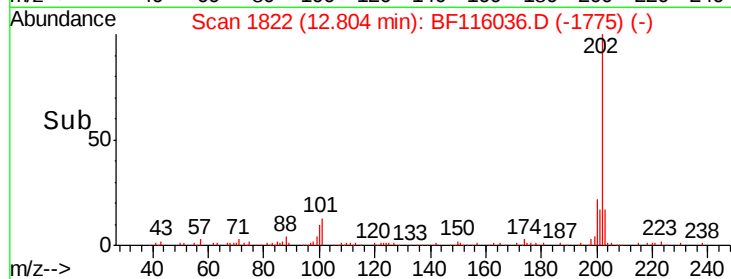
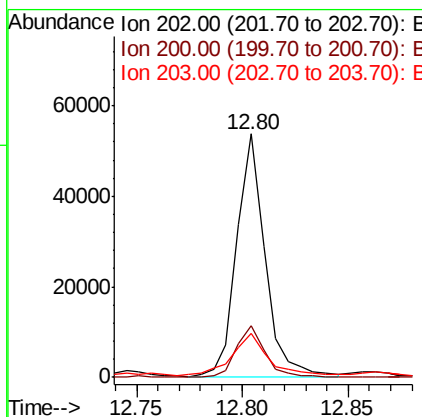
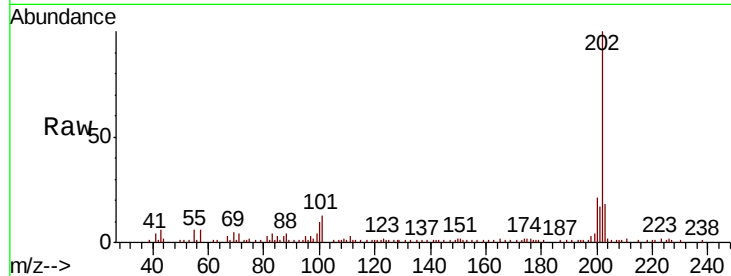




#78
Pvrene
Concen: 2.087 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

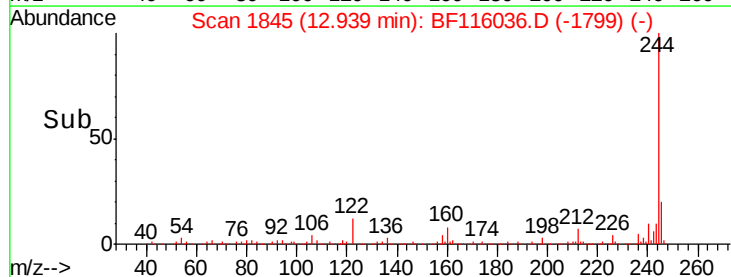
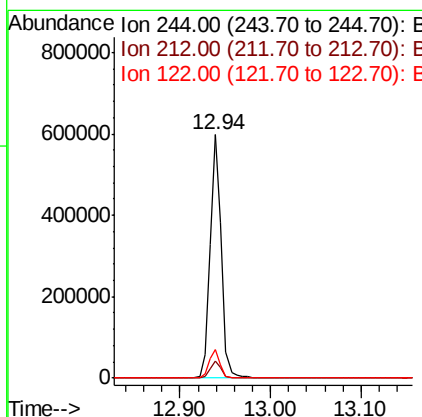
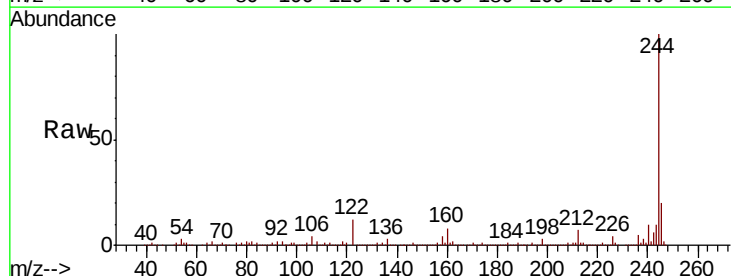
Instrument :
BNA_F
ClientSampleId :

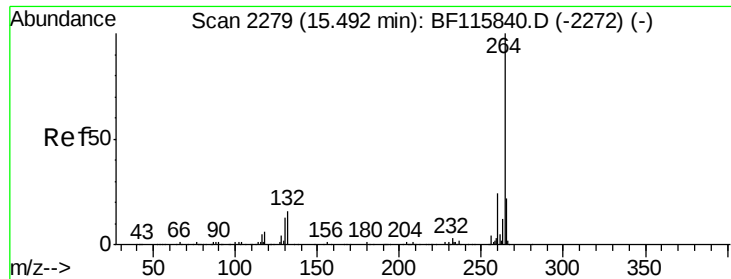
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	18.0	14.3	21.5



#79
Terphenyl-d14
Concen: 34.105 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	8.6	13.0

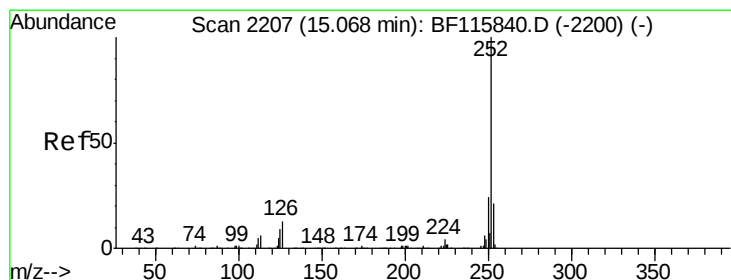
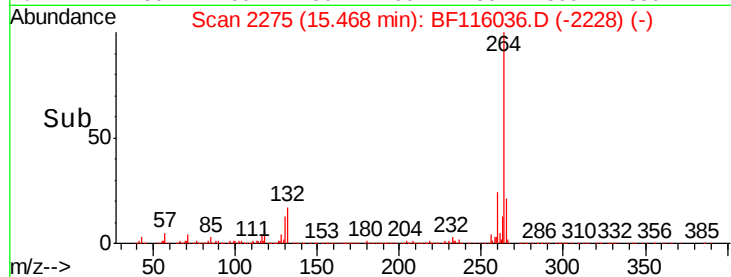
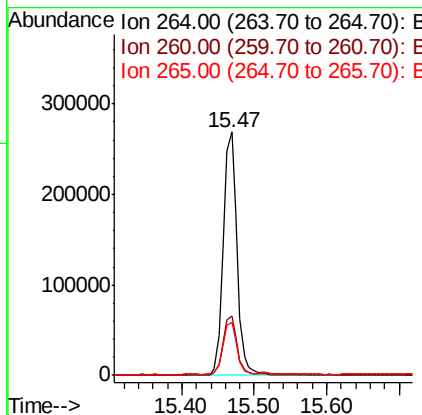
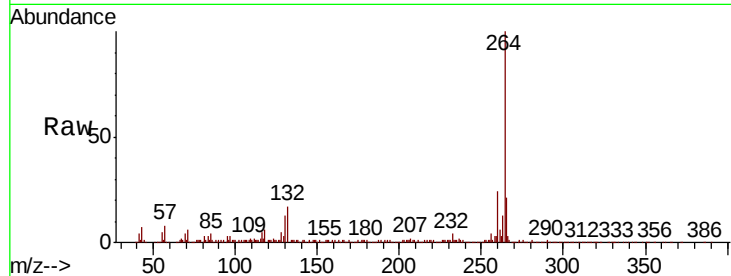




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

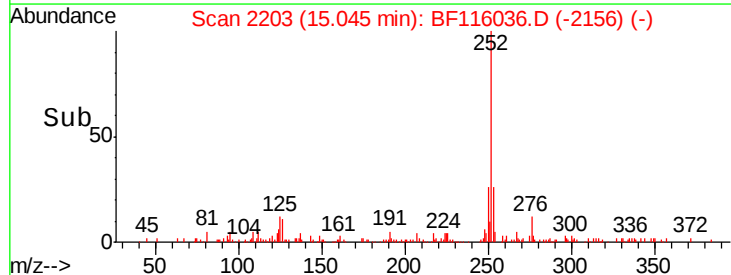
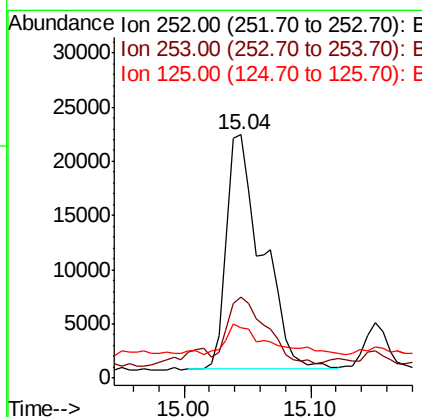
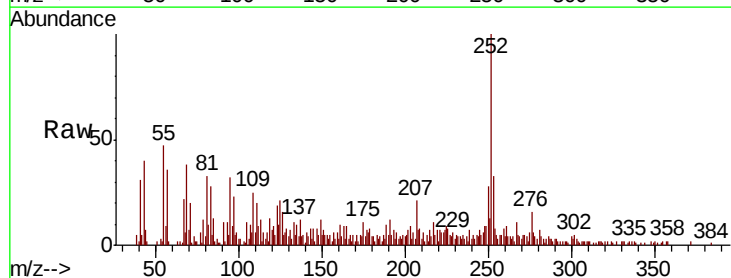
Instrument :
BNA_F
ClientSampleId :

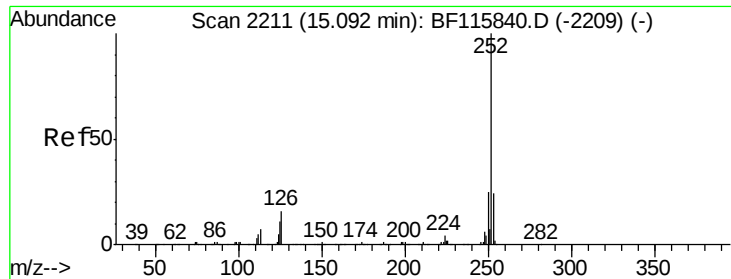
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.5	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 2.061 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.2	25.8#
125	20.6	7.4	11.0#





#89

Benzo(k)fluoranthene

Concen: 2.116 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.05 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

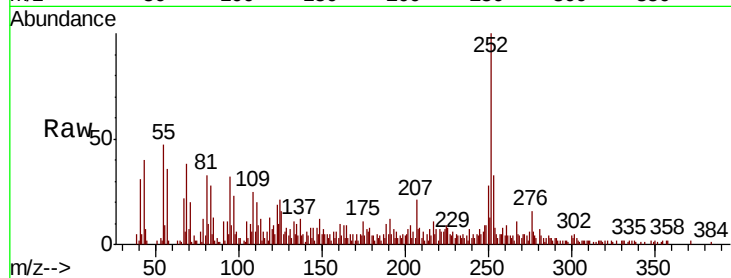
Tot Ion:252 Resp: 42136

Ion Ratio Lower Upper

252 100

253 33.5 18.2 27.4#

125 20.6 8.9 13.3#



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

