

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116830.D
 Acq On : 5 Sep 2019 11:48
 Operator : HP/JU
 Sample : K4625-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 14:23:05 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	76768	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	312045	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	153140	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	221701	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	150835	20.00	ng	0.00
87) Perylene-d12	15.47	264	108761	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	457603	96.57	ng	0.00
7) Phenol-d6	6.47	99	630003	101.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	379668	69.46	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	114407	111.75	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	645079	71.06	ng	-0.01
79) Terphenyl-d14	12.94	244	459395	56.34	ng	0.00

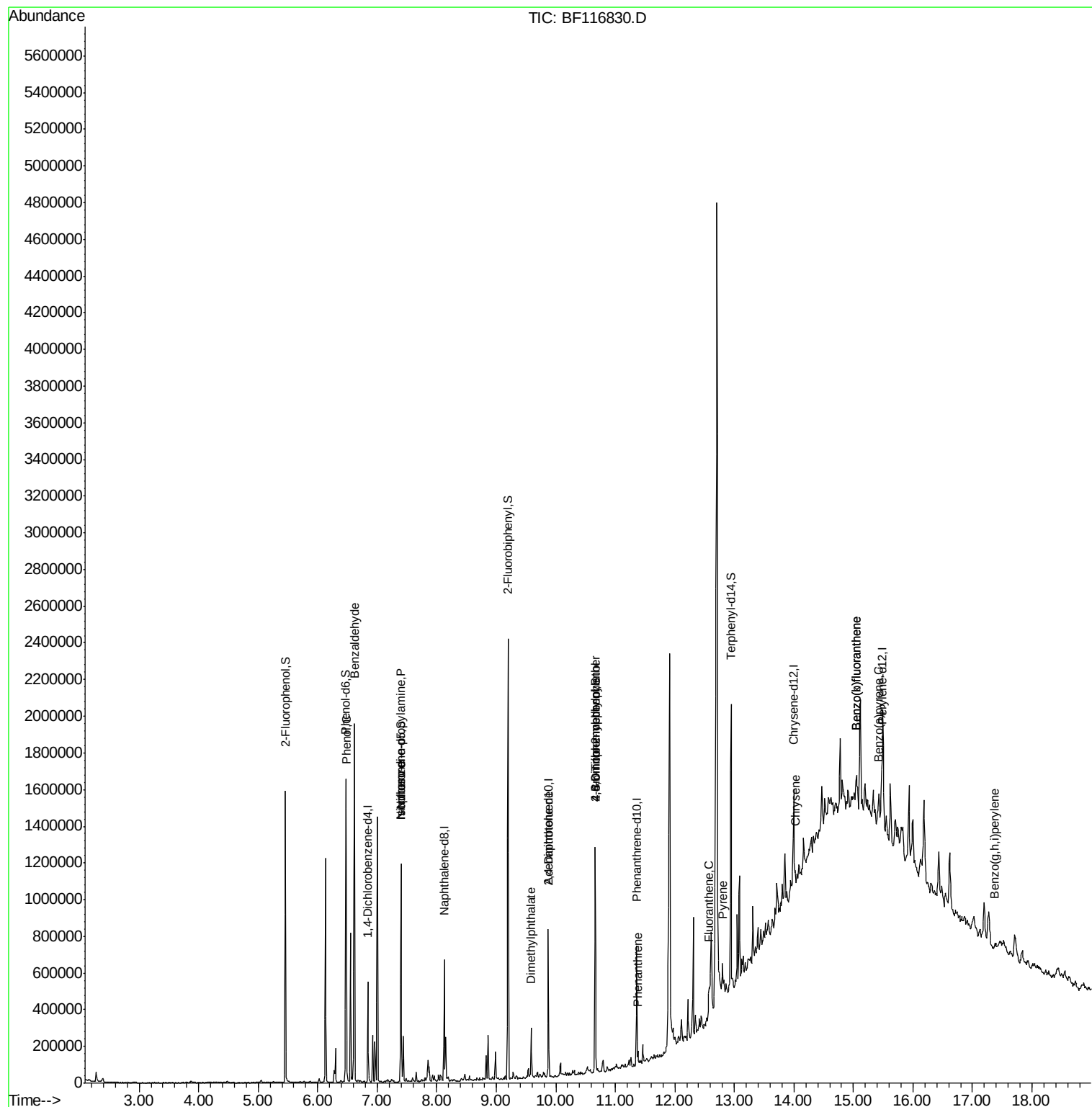
Target Compounds				Qvalue		
9) Benzaldehyde	6.62	77	12526	3.056	ng	83
10) Phenol	6.49	94	15494	2.249	ng	92
19) n-Nitroso-di-n-propylamine	7.40	70	52860	12.902	ng	# 70
25) Isophorone	7.40	82	378517	34.174	ng	# 67
50) Dimethylphthalate	9.59	163	84524	7.995	ng	98
57) 2,4-Dinitrotoluene	9.87	165	20156	8.172	ng	# 22
65) 4,6-Dinitro-2-methylphenol	10.66	198	240	7.699	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	7544	3.350	ng	# 1
71) Phenanthrene	11.38	178	24700	2.001	ng	95
75) Fluoranthene	12.57	202	43859	3.616	ng	95
78) Pyrene	12.80	202	59686	4.451	ng	96
83) Chrysene	14.02	228	34026	3.460	ng	# 86
88) Benzo(b)fluoranthene	15.04	252	37056	5.635	ng	# 3
89) Benzo(k)fluoranthene	15.04	252	37056	6.181	ng	# 3
90) Benzo(a)pyrene	15.41	252	18067	3.158	ng	# 1
92) Benzo(a,h,i)perylene	17.38	276	12423	2.433	ng	# 52

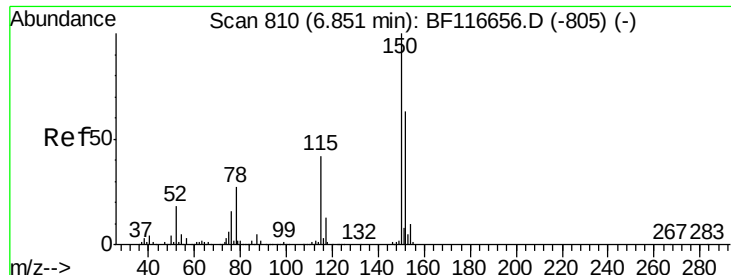
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
Data File : BF116830.D
Acq On : 5 Sep 2019 11:48
Operator : HP/JU
Sample : K4625-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 05 14:23:05 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



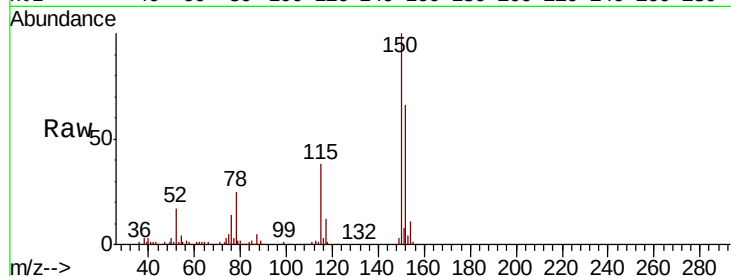


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.4	186.6
115	56.9	49.9	74.9

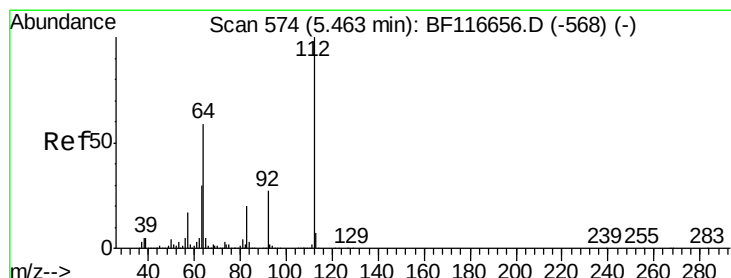
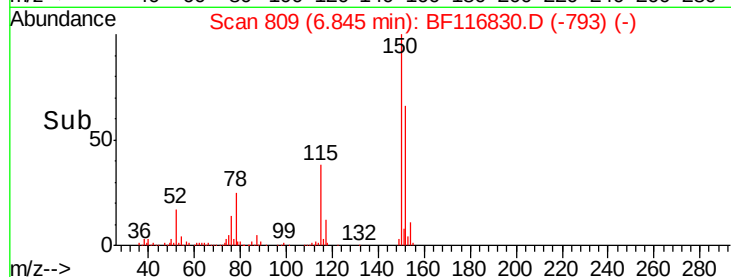
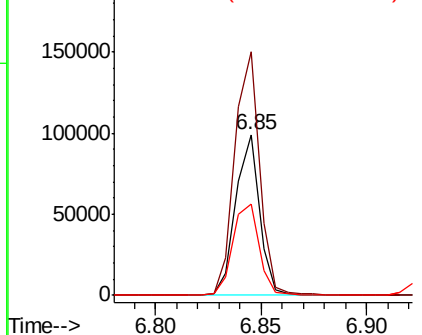


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

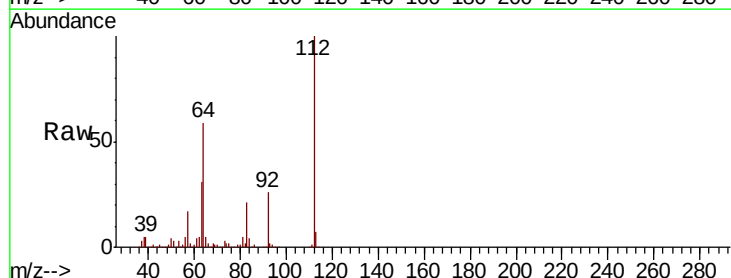
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.569 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.1	70.7
63	30.7	24.9	37.3

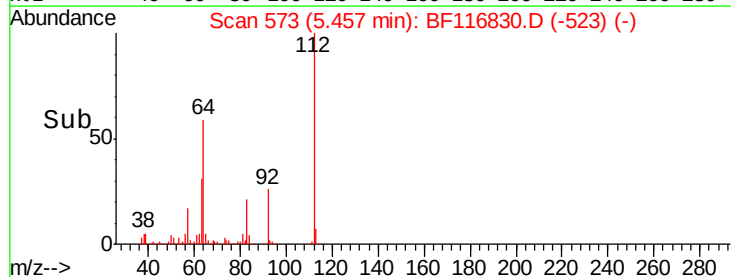
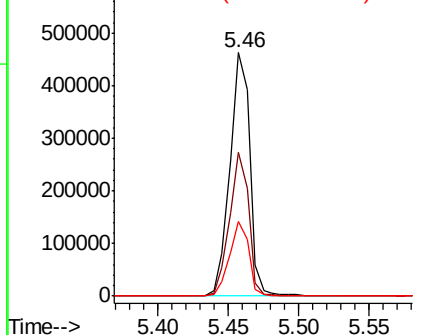


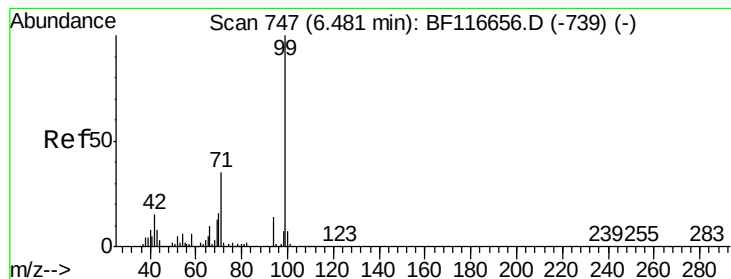
Abundance

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: 101.249 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampleId :

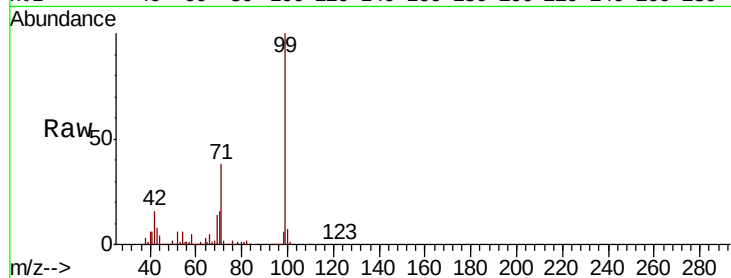
Tot Ion: 99 Resp: 630003

Ion Ratio Lower Upper

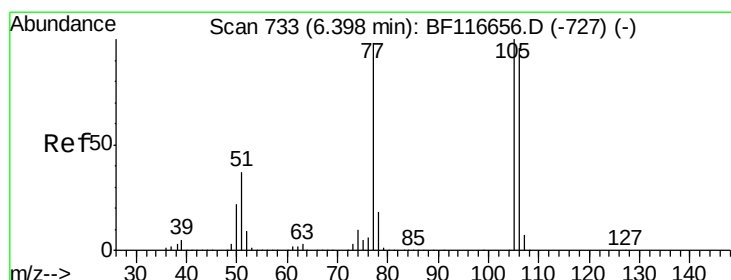
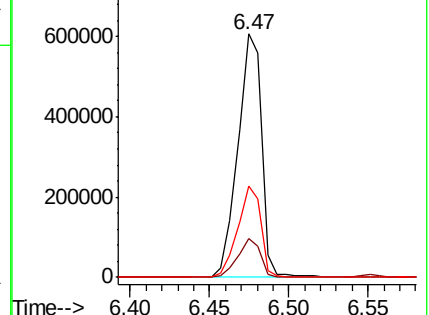
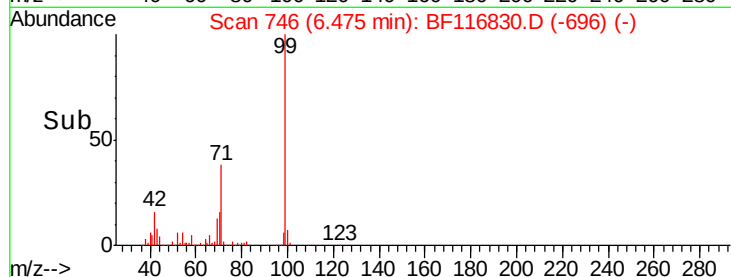
99 100

42 16.1 13.7 20.5

71 37.5 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



#9

Benzaldehyde

Concen: 3.056 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

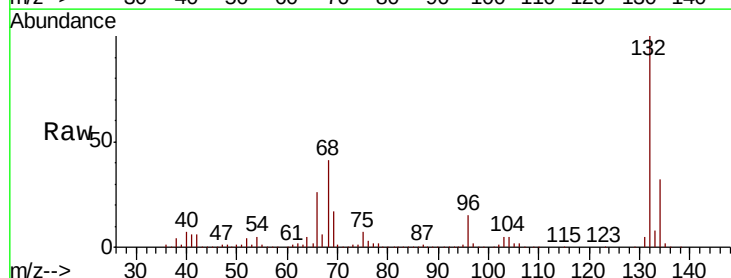
Tgt Ion: 77 Resp: 12526

Ion Ratio Lower Upper

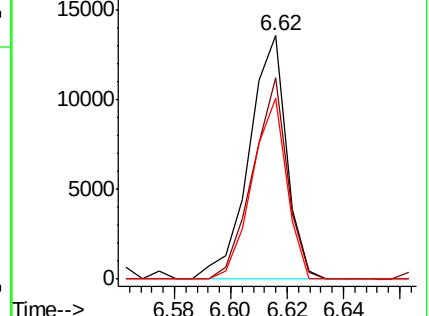
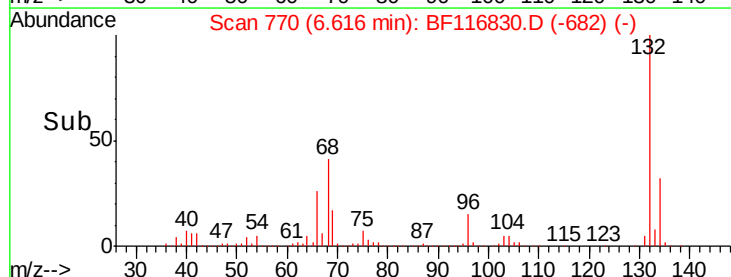
77 100

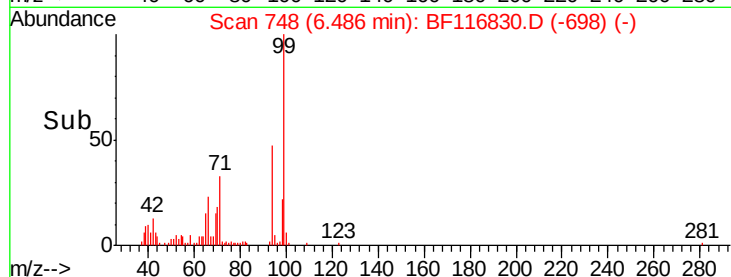
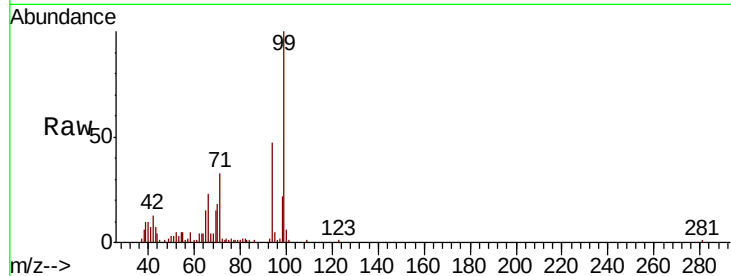
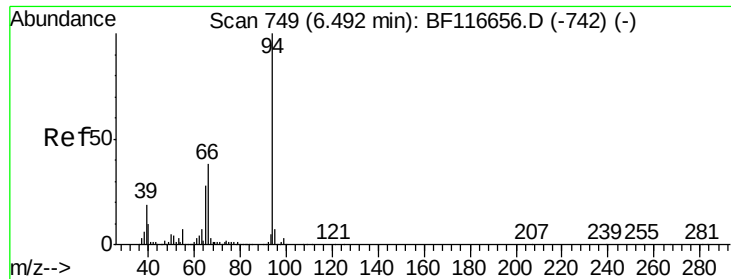
105 82.8 76.7 116.7

106 74.3 73.1 113.1



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.249 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampleId :

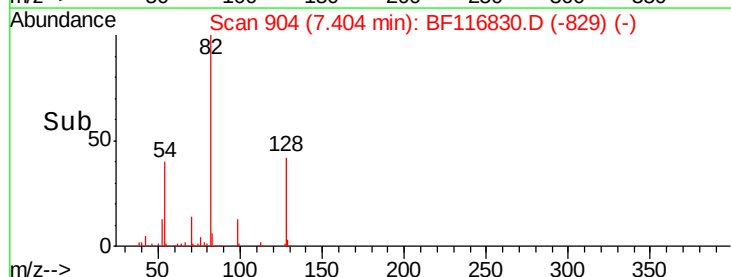
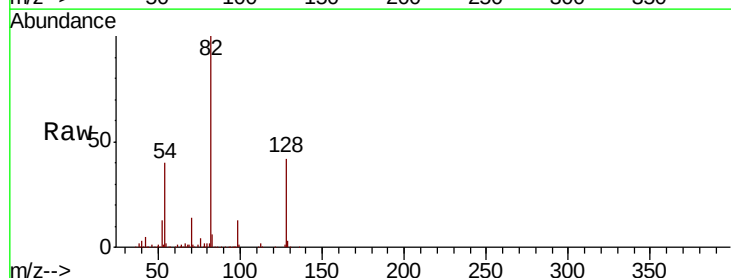
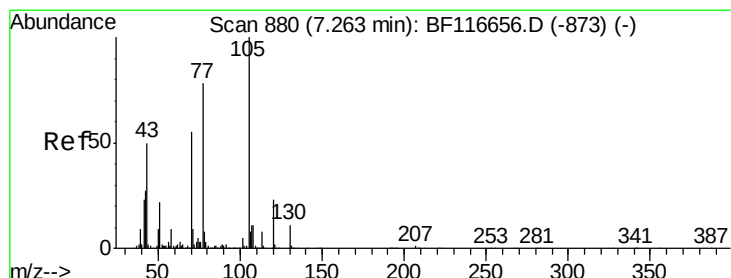
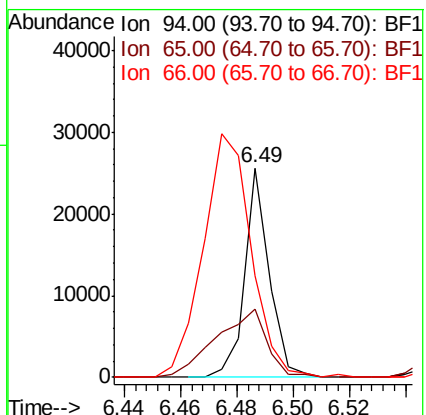
Tot Ion: 94 Resp: 15494

Ion Ratio Lower Upper

94 100

65 32.7 10.8 50.8

66 48.6 21.1 61.1



#19

n-Nitroso-di-n-propylamine

Concen: 12.902 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Tgt Ion: 70 Resp: 52860

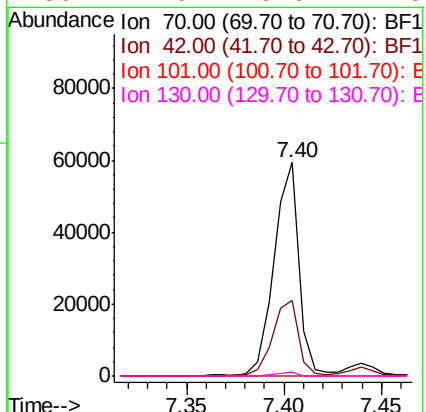
Ion Ratio Lower Upper

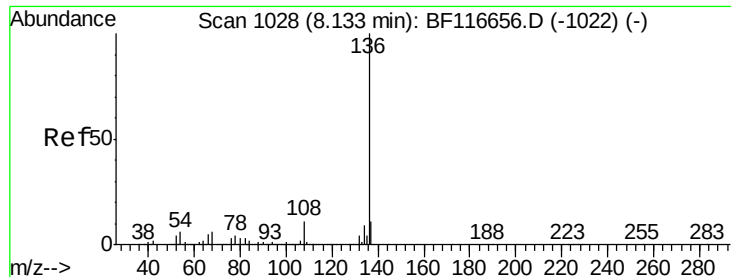
70 100

42 35.7 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#

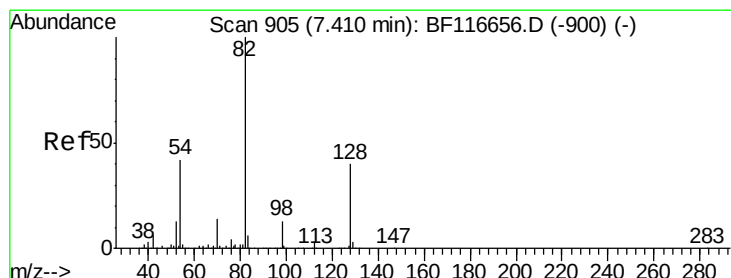
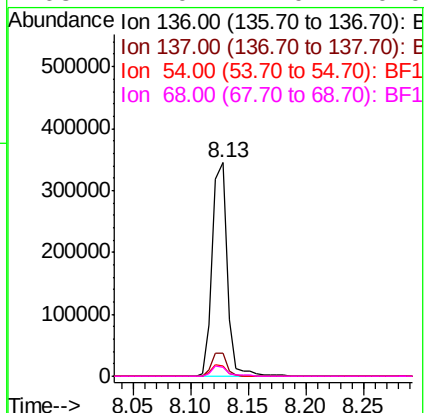
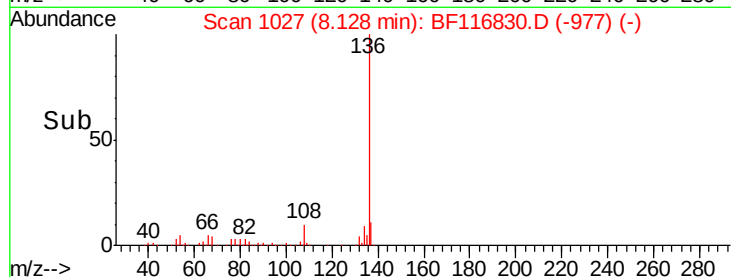
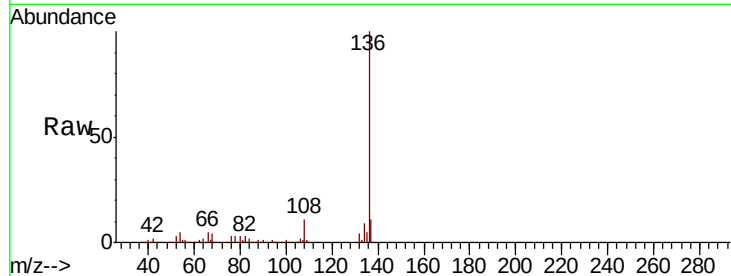




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

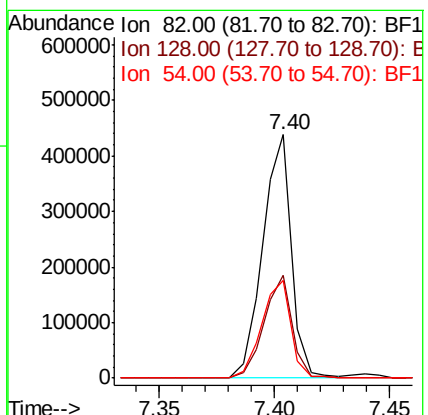
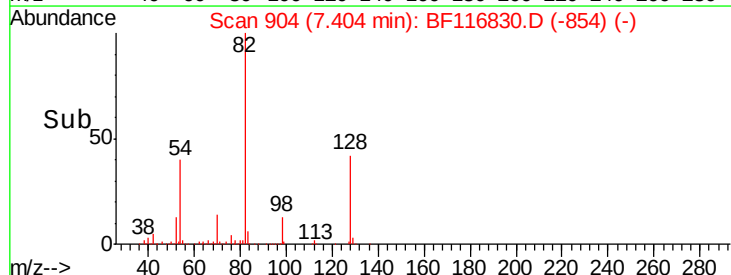
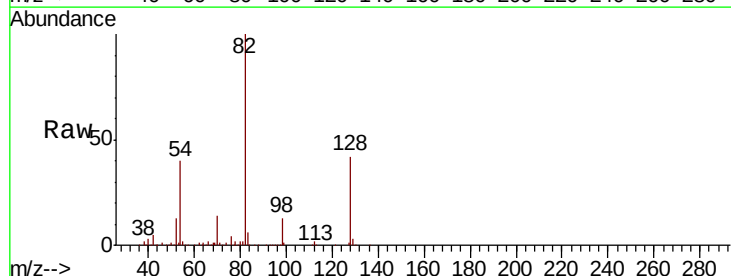
Instrument :
BNA_F
ClientSampled :

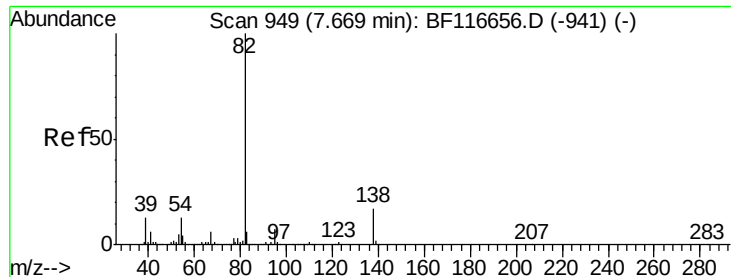
Tot Ion:136	Resp:	312045
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	5.0	4.8 7.2
68	4.0	4.0 6.0



#23
Nitrobenzene-d5
Concen: 69.459 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Tgt Ion: 82	Resp:	379668
Ion Ratio	Lower	Upper
82	100	
128	42.2	32.8 49.2
54	40.0	36.9 55.3





#25

Isophorone

Concen: 34.174 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampled :

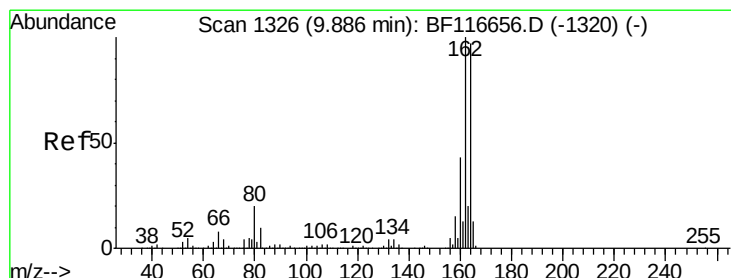
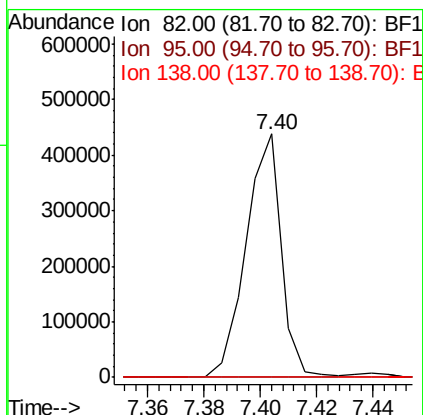
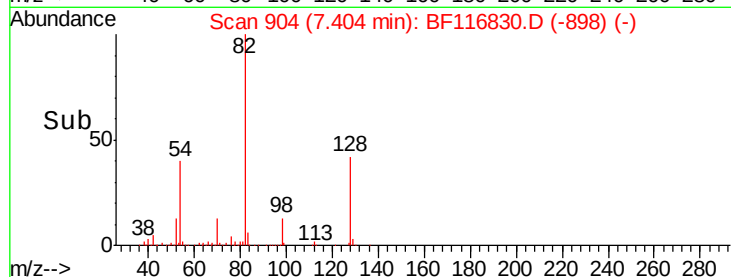
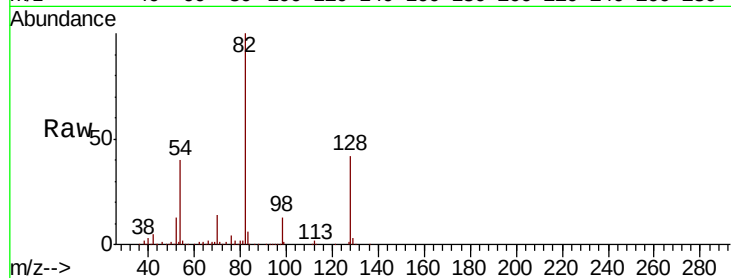
Tot Ion: 82 Resp: 378517

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

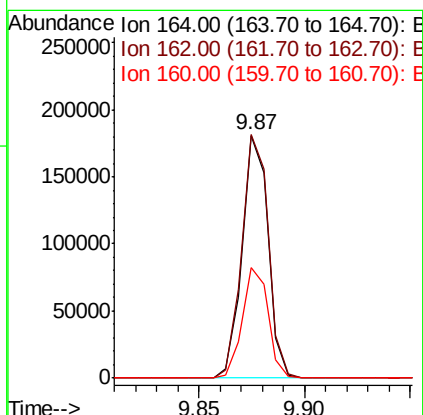
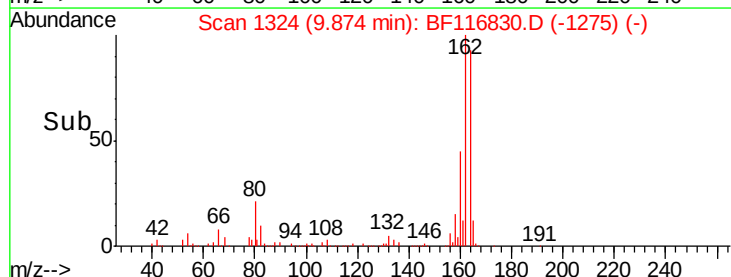
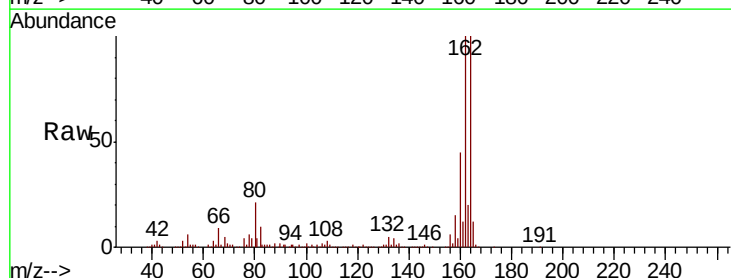
Tgt Ion: 164 Resp: 153140

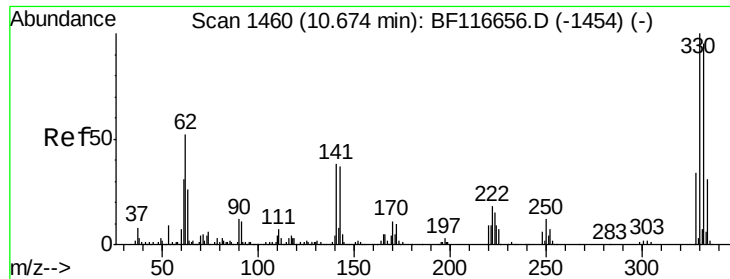
Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

160 45.3 35.4 53.2

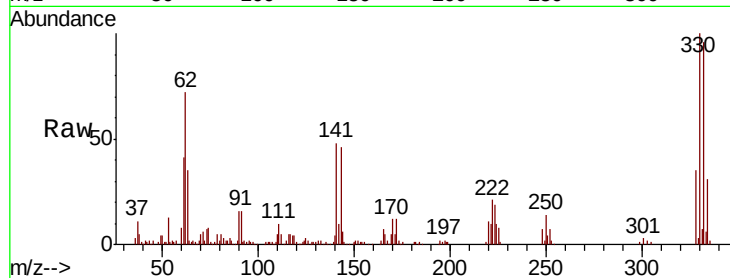




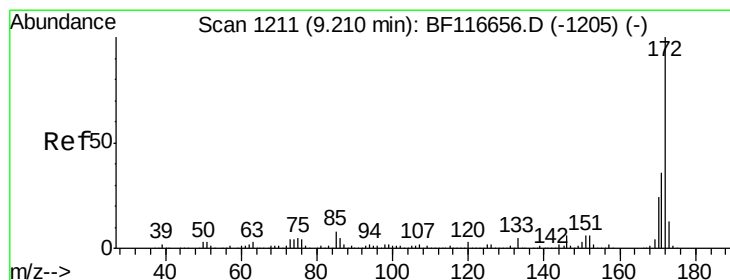
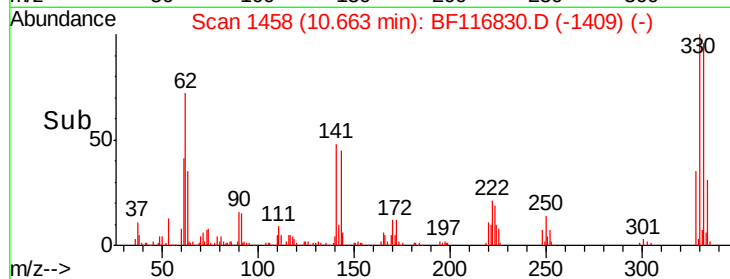
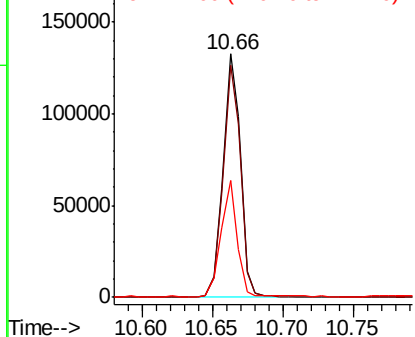
#42
 2,4,6-Tribromophenol
 Concen: 111.750 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116830.D
 Acq: 5 Sep 2019 11:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	43.8	31.4	47.2

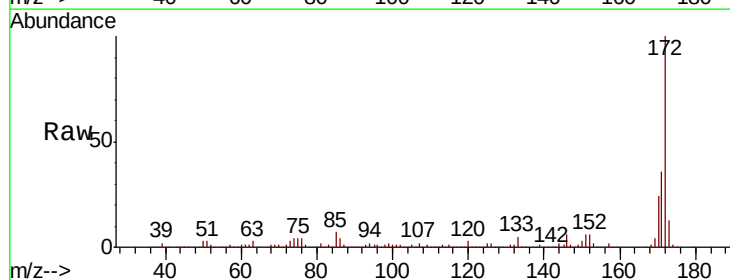


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

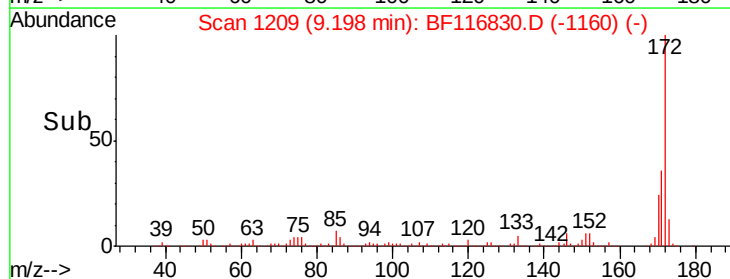
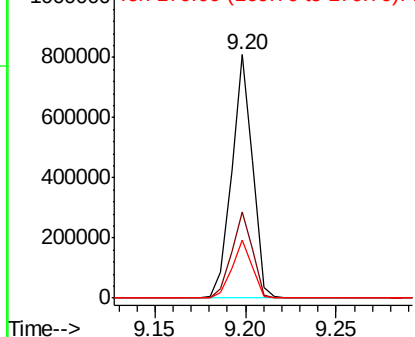


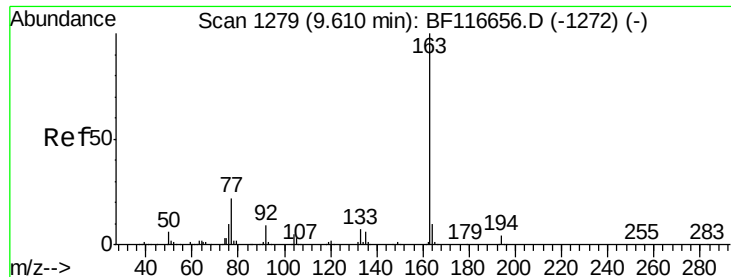
#45
 2-Fluorobiphenyl
 Concen: 71.058 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116830.D
 Acq: 5 Sep 2019 11:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.9	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: 7.995 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampled :

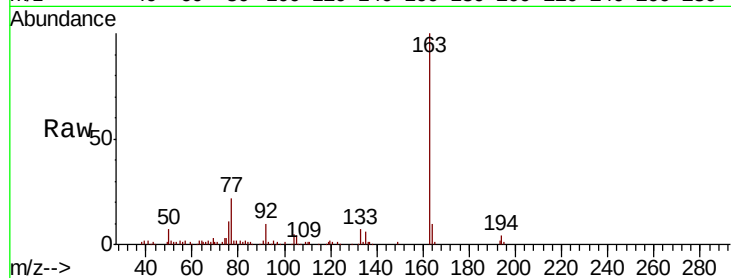
Tot Ion:163 Resp: 84524

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

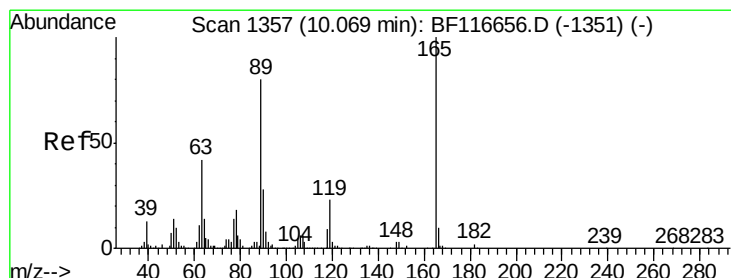
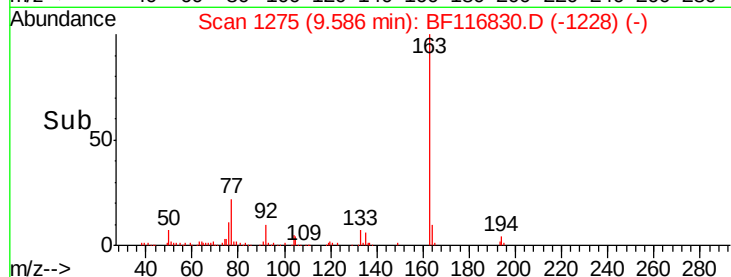
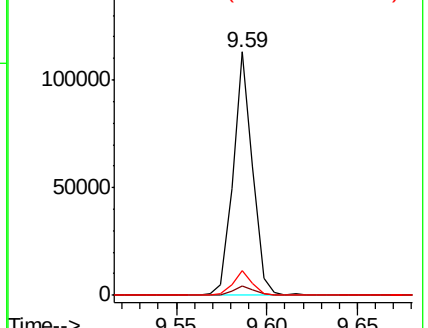
164 10.1 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 8.172 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.19 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Tgt Ion:165 Resp: 20156

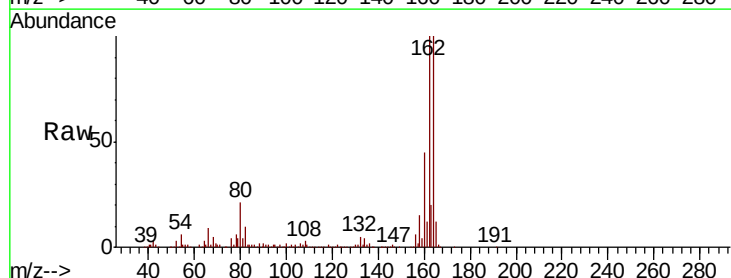
Ion Ratio Lower Upper

165 100

63 2.4 36.4 54.6#

89 1.7 62.6 94.0#

182 0.0 2.1 3.1#

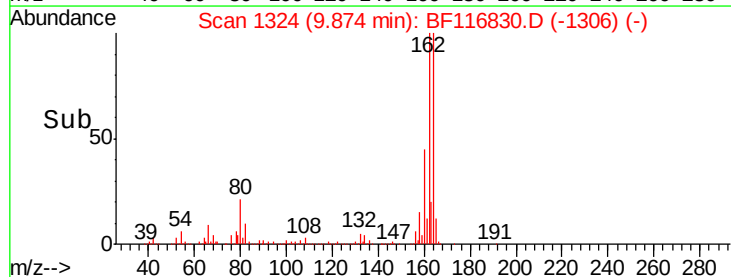
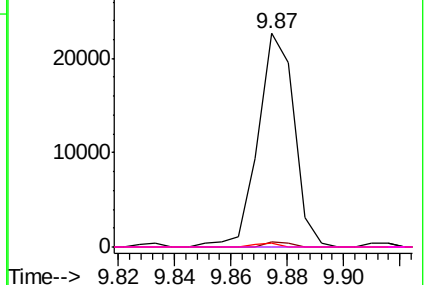


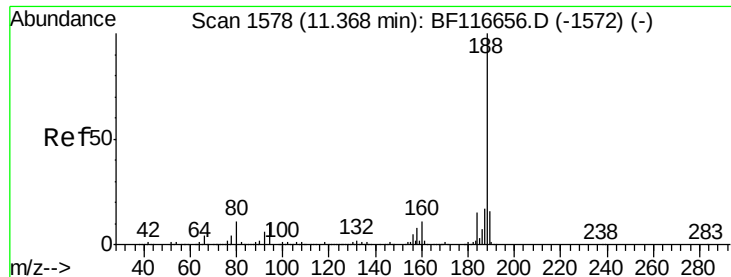
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1576

Delta R.T. -0.01 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampleId :

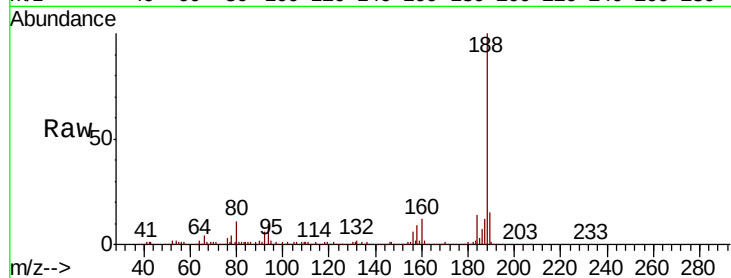
Tot Ion:188 Resp: 221701

Ion Ratio Lower Upper

188 100

94 9.9 7.3 10.9

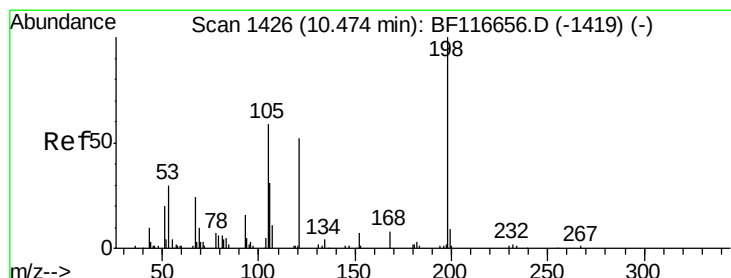
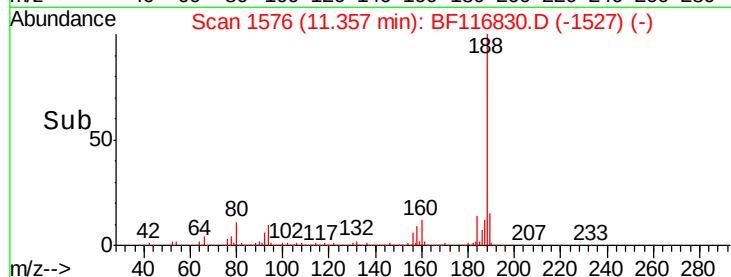
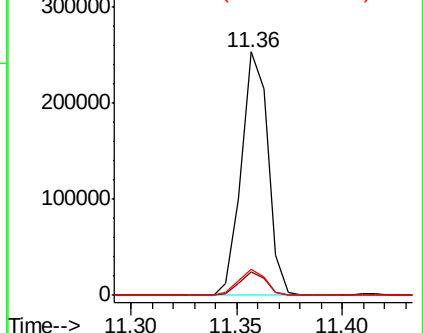
80 10.9 8.4 12.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.699 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

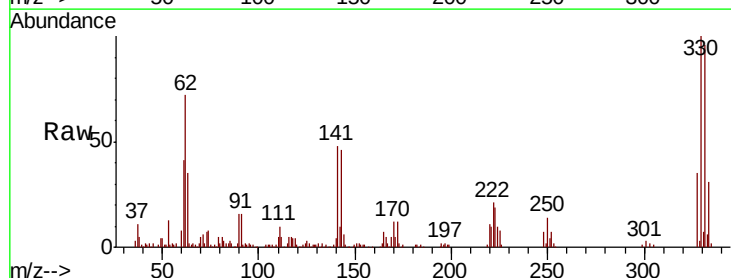
Tgt Ion:198 Resp: 240

Ion Ratio Lower Upper

198 100

51 156.8 18.4 58.4#

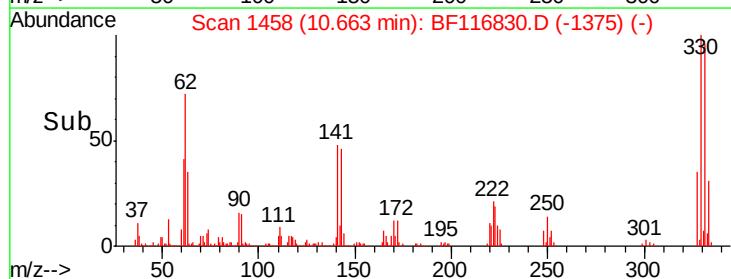
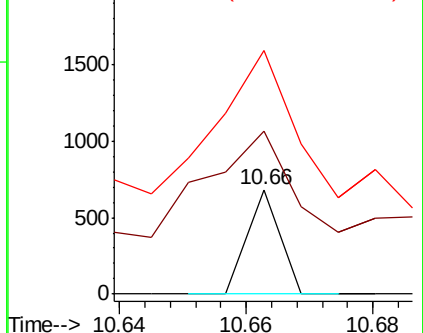
105 233.9 22.9 62.9#

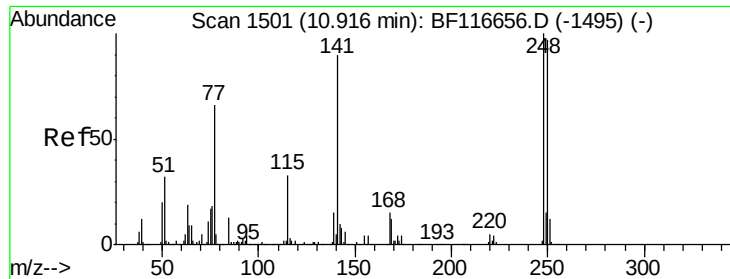


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

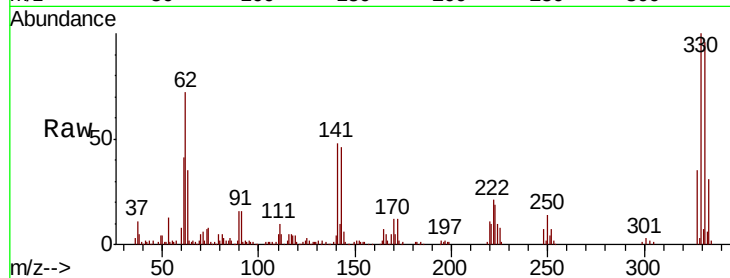




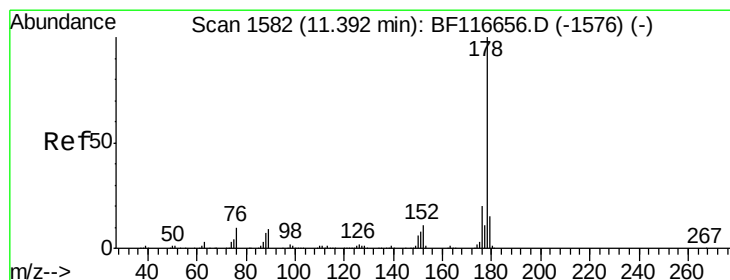
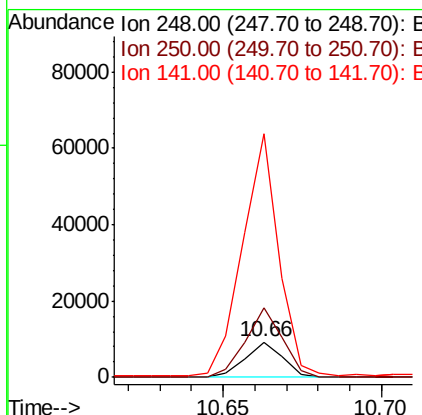
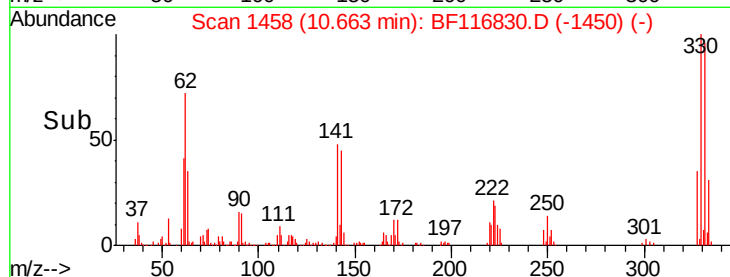
#67
4-Bromophenyl-phenylether
Concen: 3.350 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7544
Ion Ratio Lower Upper
248 100
250 198.1 77.8 116.8#
141 691.0 75.9 113.9#

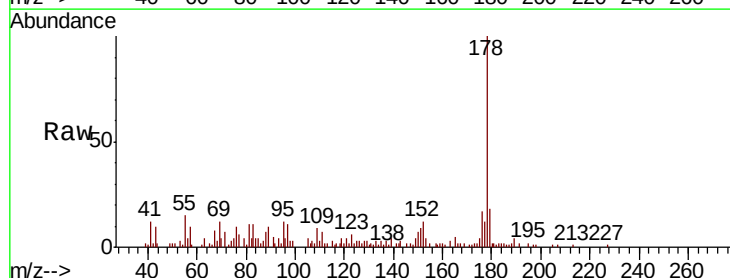


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

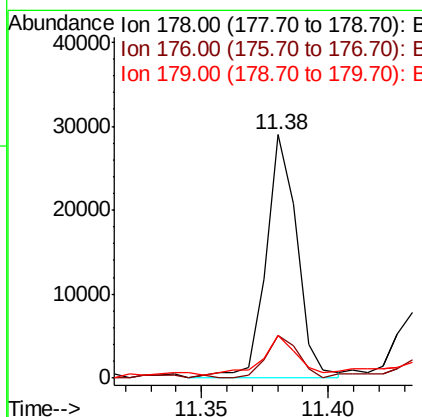
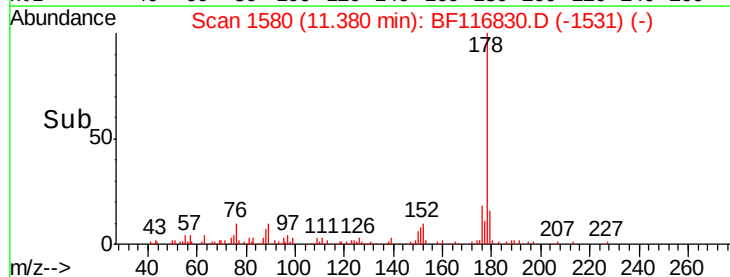


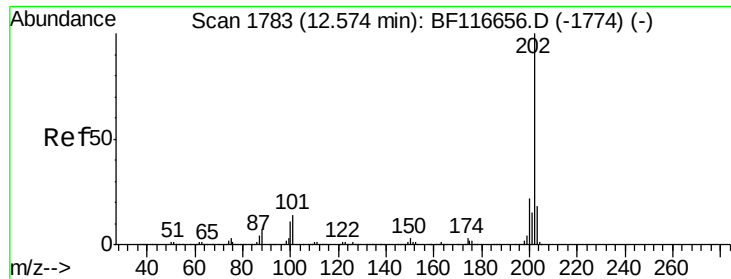
#71
Phenanthrene
Concen: 2.001 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Tgt Ion:178 Resp: 24700
Ion Ratio Lower Upper
178 100
176 17.5 15.4 23.0
179 17.6 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.616 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116830.D

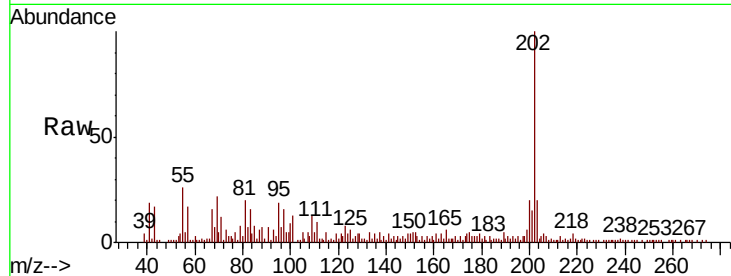
Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampleId :

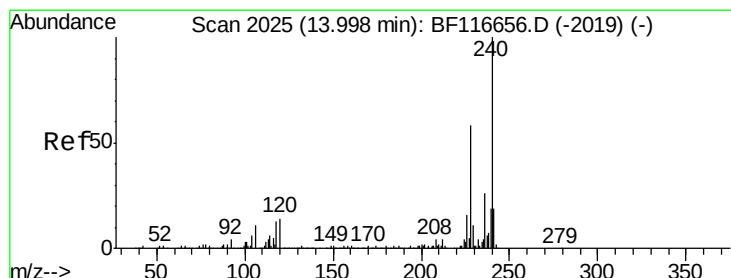
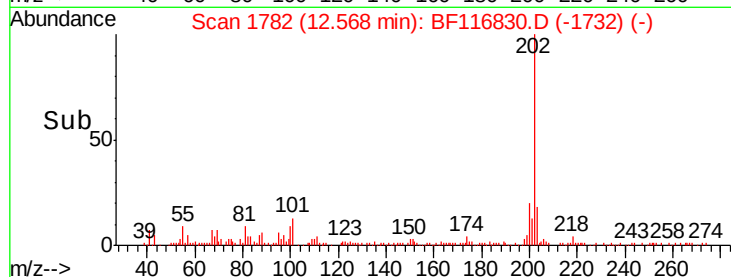
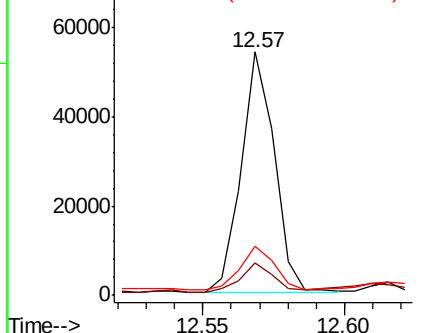
Tot Ion:	202	Resp:	43859
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.3
203	20.0	0.0	37.6



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

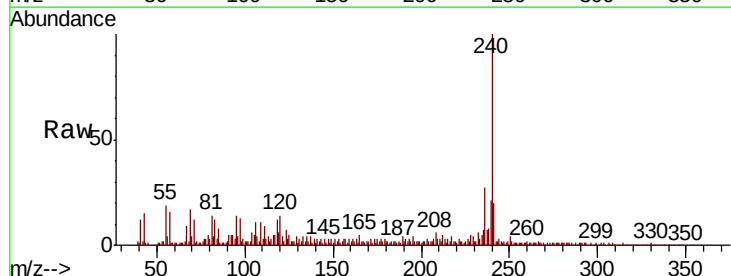
RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

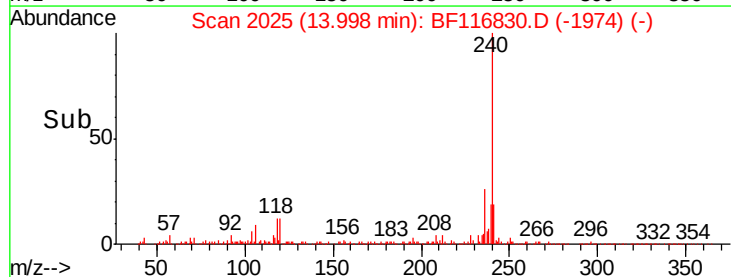
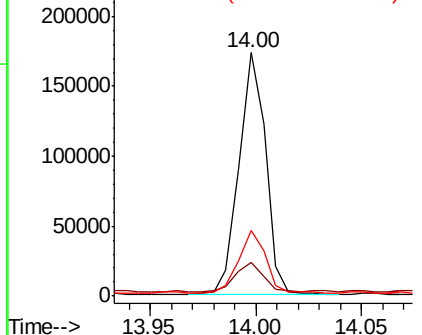
Tgt Ion:	240	Resp:	150835
Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.1	13.7#
236	26.9	21.1	31.7

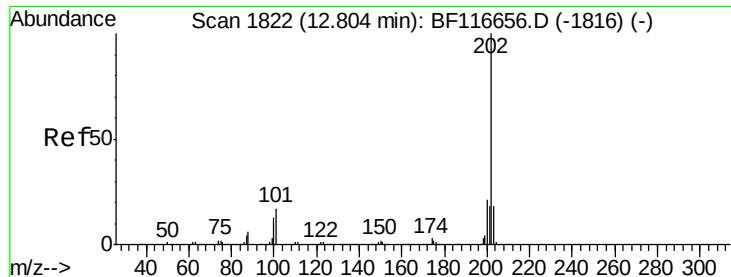


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.451 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

Instrument :

BNA_F

ClientSampleId :

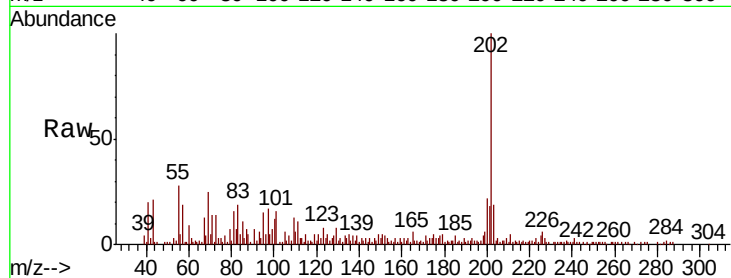
Tot Ion:202 Resp: 59686

Ion Ratio Lower Upper

202 100

200 22.1 16.5 24.7

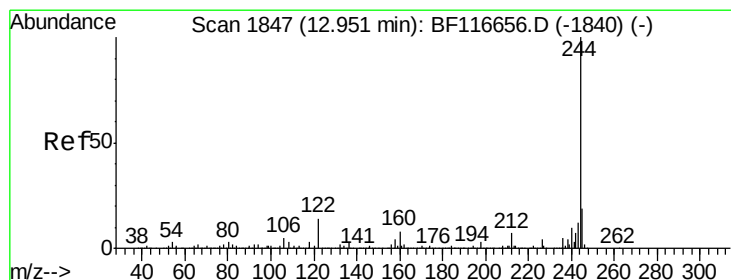
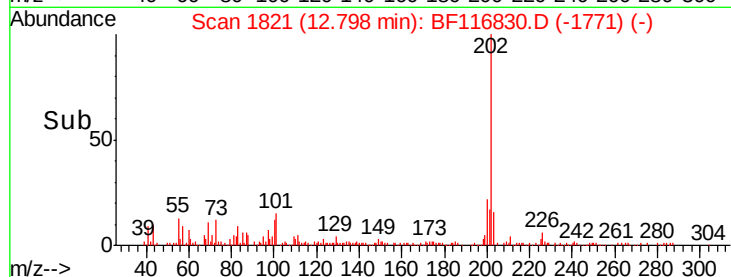
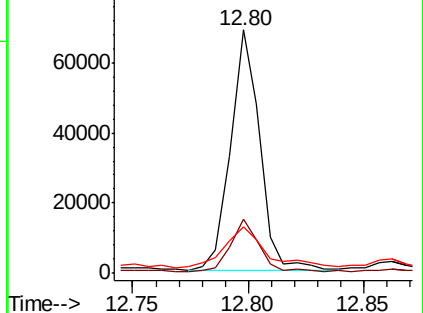
203 19.0 13.7 20.5



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: 56.343 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116830.D

Acq: 5 Sep 2019 11:48

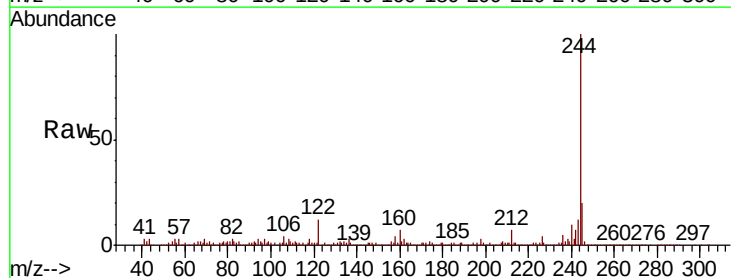
Tgt Ion:244 Resp: 459395

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

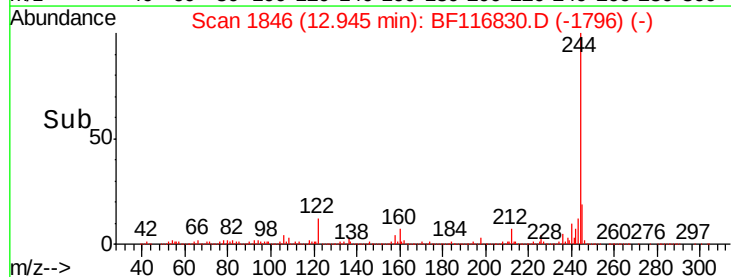
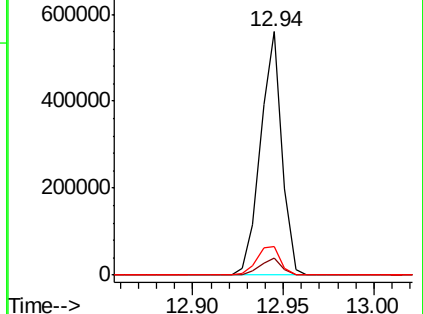
122 11.9 10.2 15.4

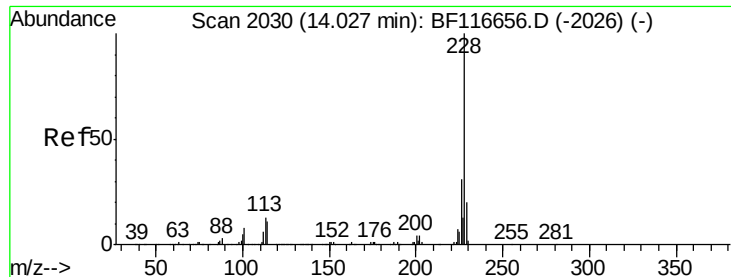


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

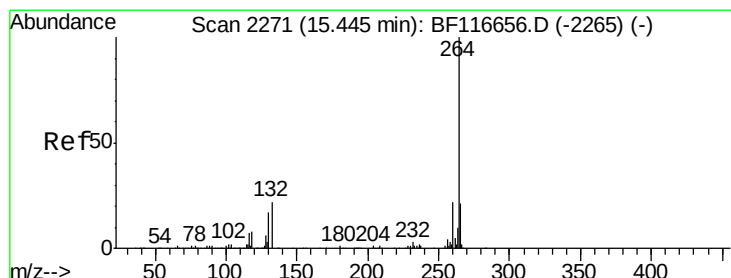
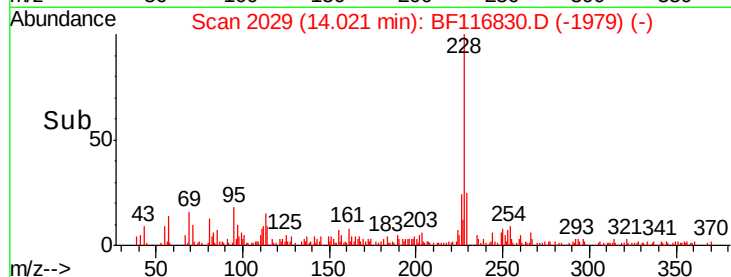
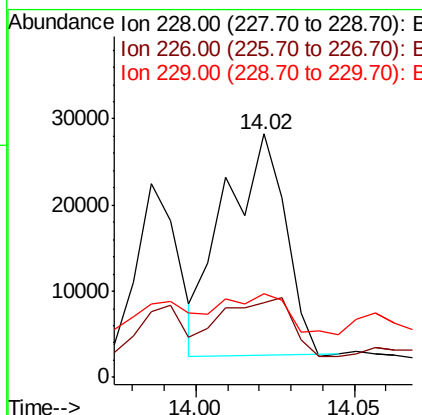
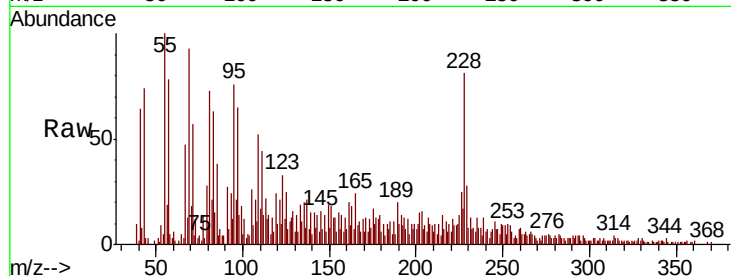




#83
 Chrysene
 Concen: 3.460 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116830.D
 Acq: 5 Sep 2019 11:48

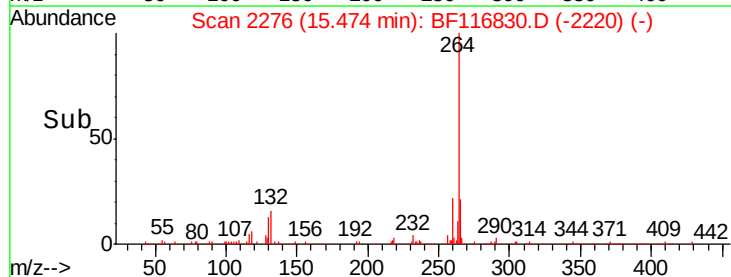
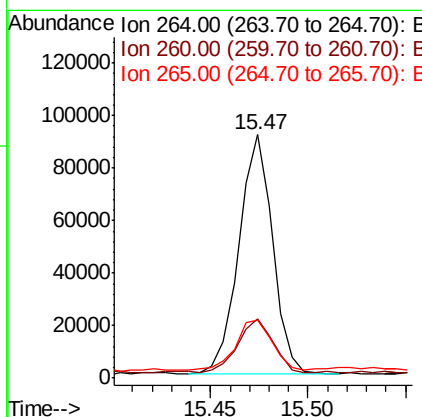
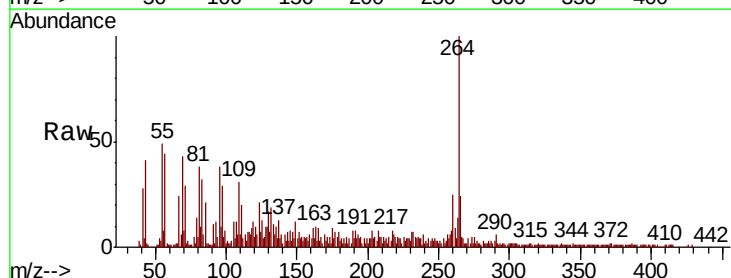
Instrument :
 BNA_F
 ClientSampleId :

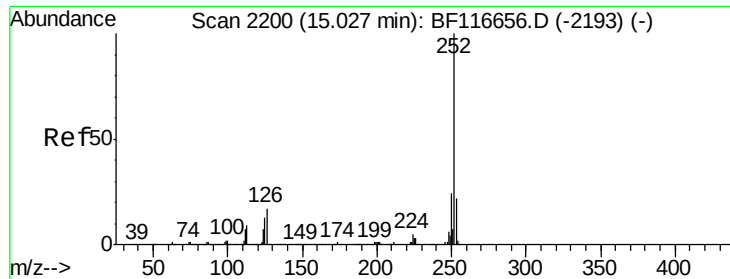
Tot Ion:228 Resp: 34026
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.0 36.0
 229 34.1 15.4 23.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.03 min
 Lab File: BF116830.D
 Acq: 5 Sep 2019 11:48

Tgt Ion:264 Resp: 108761
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.3 27.5
 265 23.8 16.5 24.7

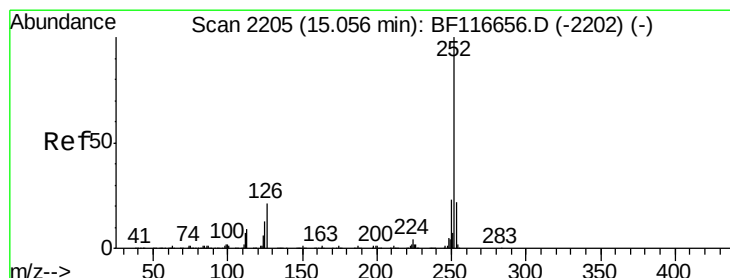
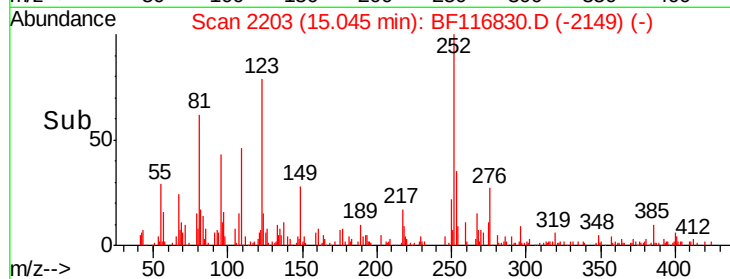
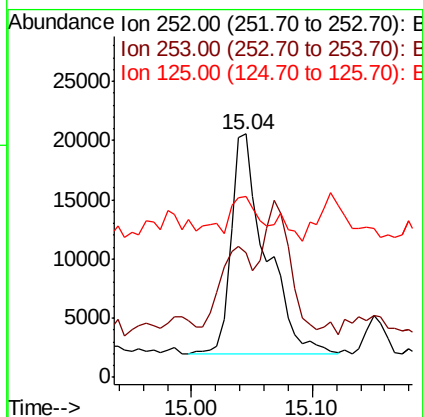
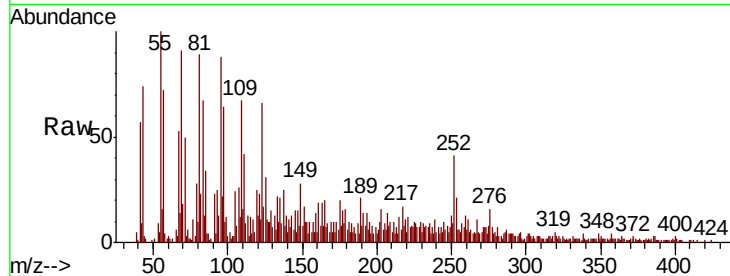




#88
Benzo(b)fluoranthene
Concen: 5.635 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

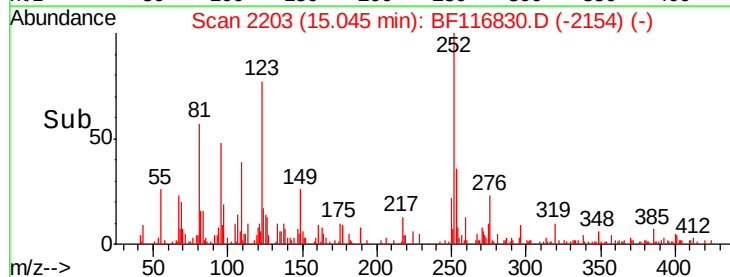
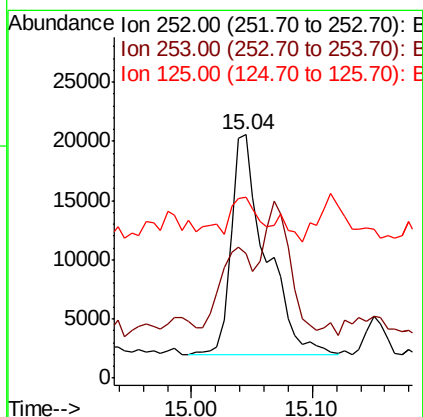
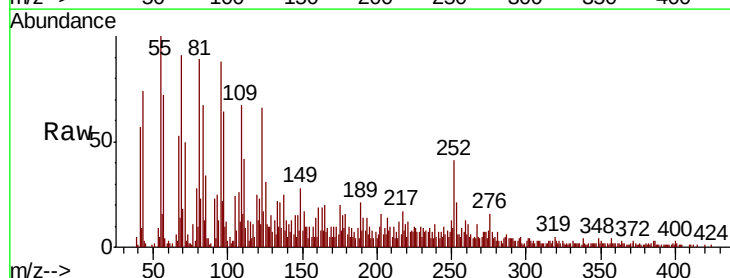
Instrument :
BNA_F
ClientSampleId :

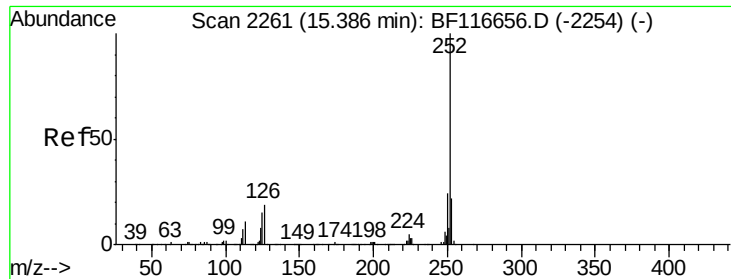
Tot Ion:252 Resp: 37056
Ion Ratio Lower Upper
252 100
253 51.4 17.7 26.5#
125 74.5 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 6.181 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Tgt Ion:252 Resp: 37056
Ion Ratio Lower Upper
252 100
253 51.4 17.7 26.5#
125 74.5 8.6 13.0#

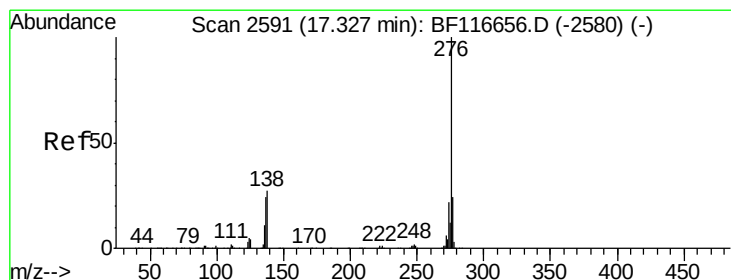
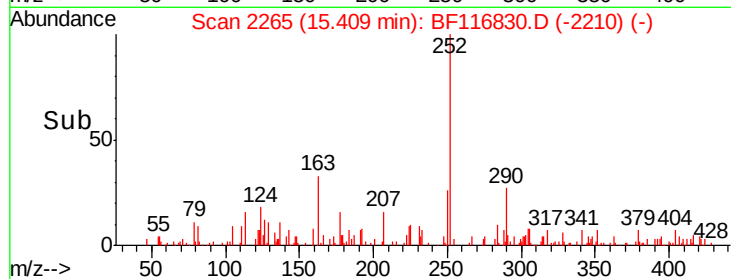
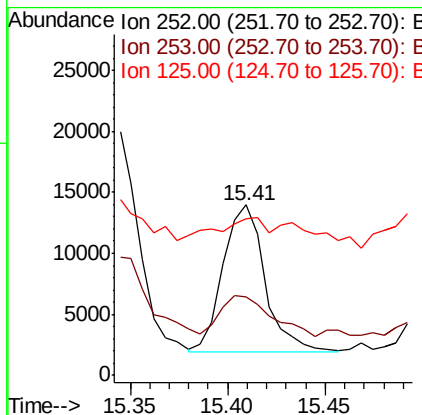
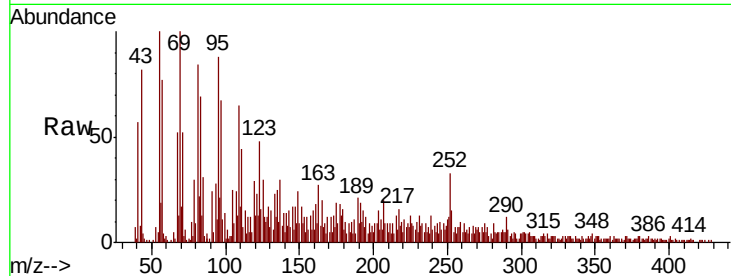




#90
Benzo(a)pyrene
Concen: 3.158 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 18067
Ion Ratio Lower Upper
252 100
253 46.0 18.1 27.1#
125 92.3 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 2.433 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.05 min
Lab File: BF116830.D
Acq: 5 Sep 2019 11:48

Tgt Ion:276 Resp: 12423
Ion Ratio Lower Upper
276 100
277 48.3 18.5 27.7#
138 40.2 16.2 24.2#

