

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111830.D
 Acq On : 3 Jan 2019 19:27
 Operator : JU/SJ
 Sample : K1017-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:33:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	289220	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1109575	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	558066	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	876110	20.00	ng	0.01
76) Chrysene-d12	14.06	240	593172	20.00	ng	0.01
87) Perylene-d12	15.55	264	449867	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1618820	95.41	ng	0.02
7) Phenol-d6	6.55	99	2150815	99.60	ng	0.02
23) Nitrobenzene-d5	7.46	82	1369381	71.84	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	610359	92.56	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	2400088	62.69	ng	0.00
79) Terphenyl-d14	13.01	244	1788563	57.18	ng	0.01

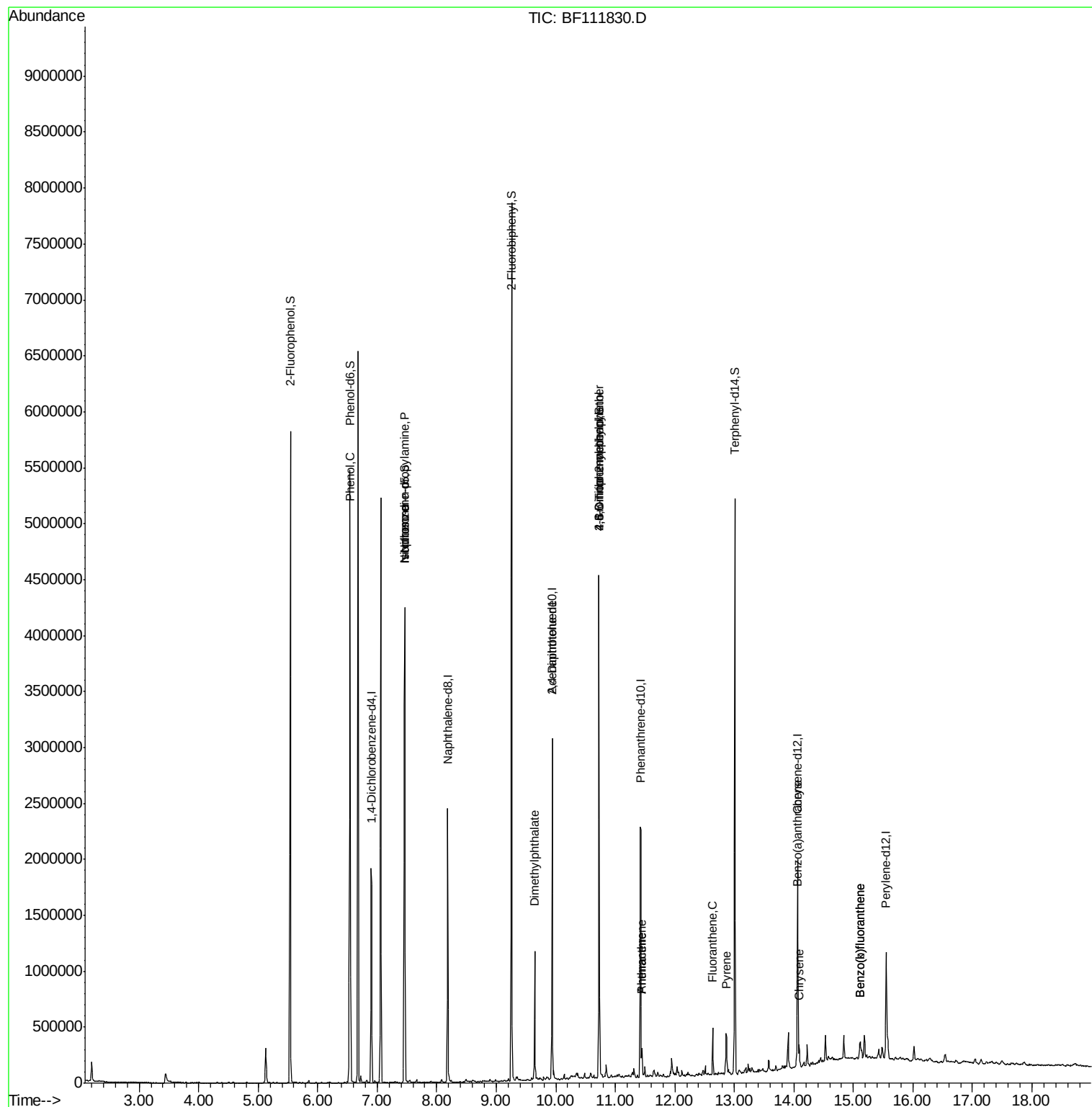
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	113591	4.662	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	186707	13.019	ng	# 75
25) Isophorone	7.46	82	1358247	40.136	ng	# 64
50) Dimethylphthalate	9.65	163	424225	10.395	ng	97
57) 2,4-Dinitrotoluene	9.94	165	73546	7.520	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	1470	7.042	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	36527	3.361	ng	# 1
71) Phenanthrene	11.45	178	116972	2.518	ng	92
72) Anthracene	11.45	178	116972	2.508	ng	93
75) Fluoranthene	12.64	202	172929	3.675	ng	93
78) Pyrene	12.86	202	157307	3.755	ng	96
81) Benzo(a)anthracene	14.05	228	82019	2.423	ng	99
83) Chrysene	14.09	228	74248	2.232	ng	96
88) Benzo(b)fluoranthene	15.12	252	106792	4.062	ng	99
89) Benzo(k)fluoranthene	15.12	252	106792	4.266	ng	100

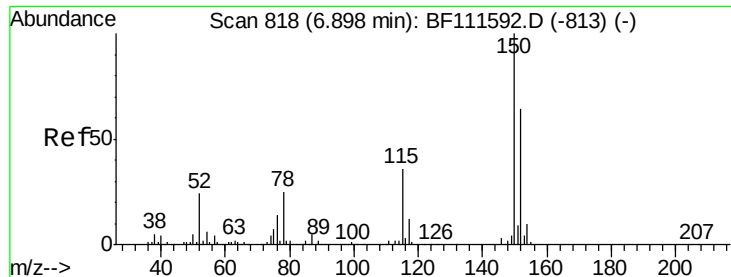
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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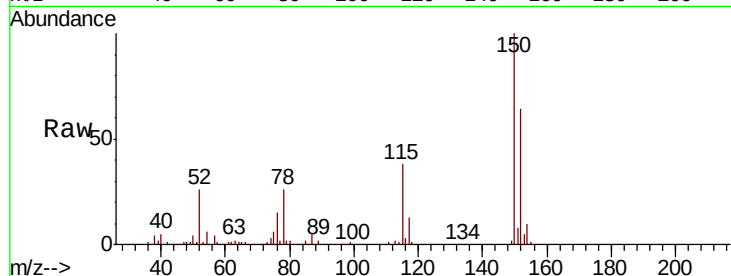


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.6	189.8
115	59.3	50.7	76.1

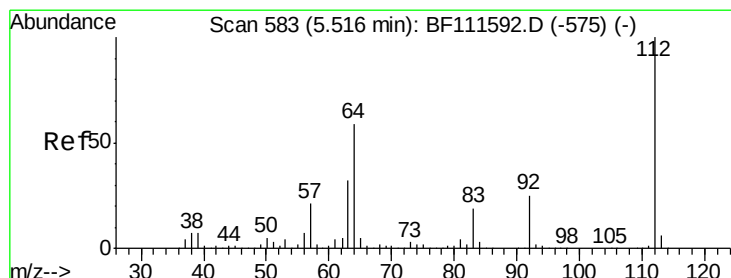
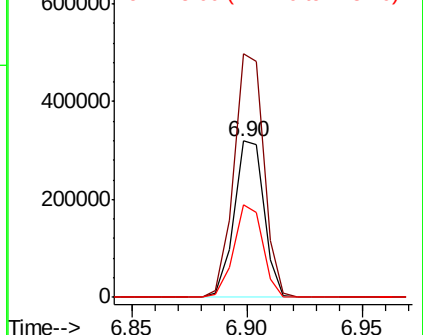
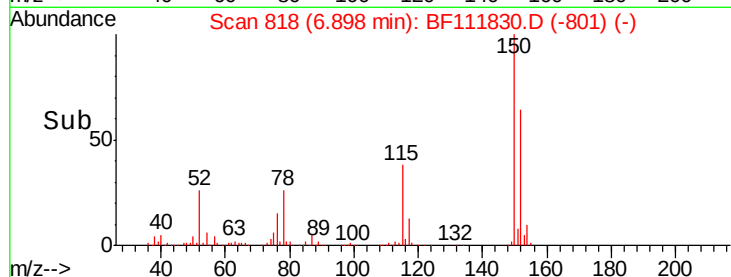


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

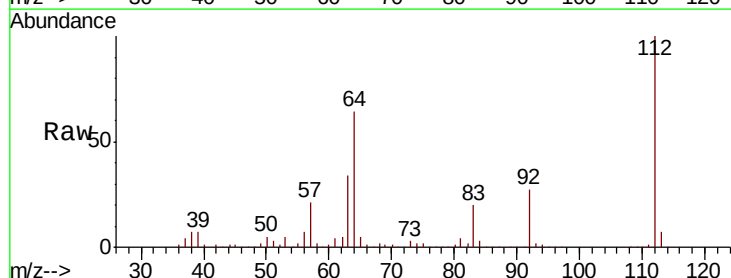
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.406 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	51.8	77.6
63	34.0	26.8	40.2

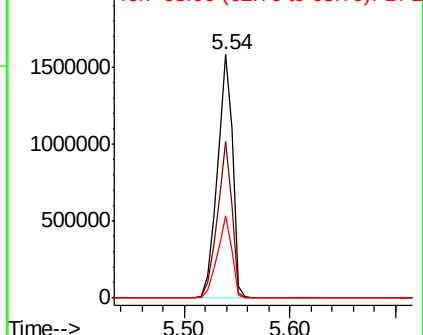
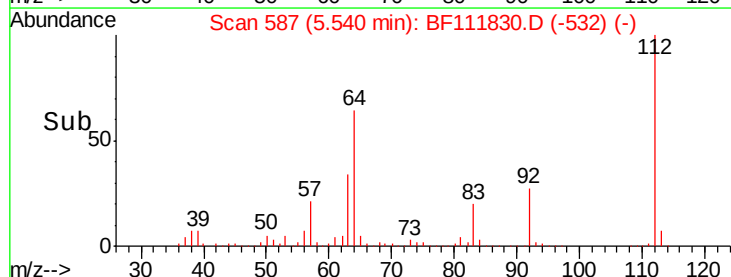


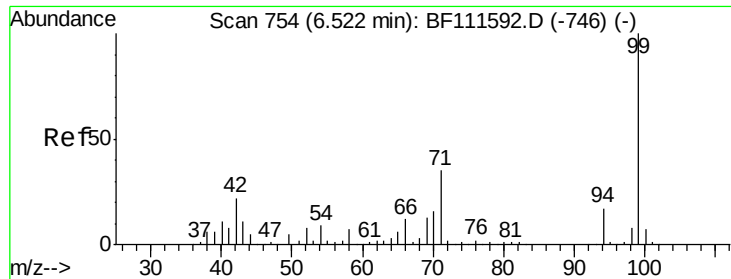
Abundance

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: 99.603 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

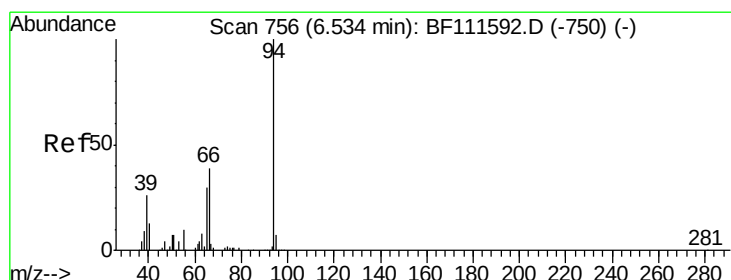
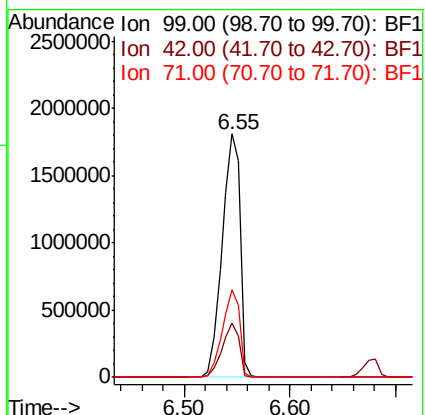
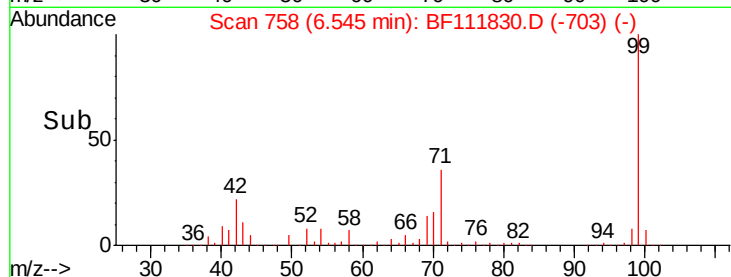
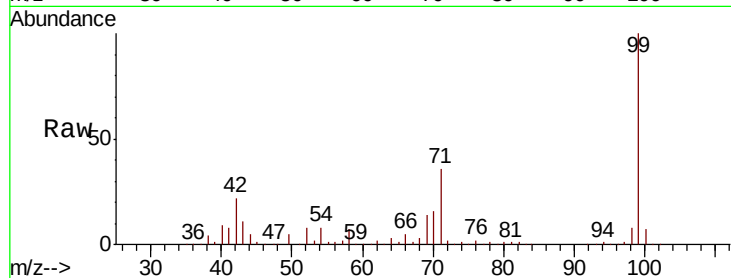
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2150815

Ion	Ratio	Lower	Upper
99	100		
42	22.3	17.4	26.0
71	36.1	26.1	39.1



#10

Phenol

Concen: 4.662 ng

RT: 6.56 min Scan# 760

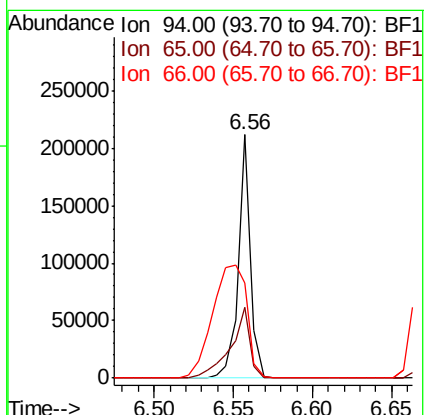
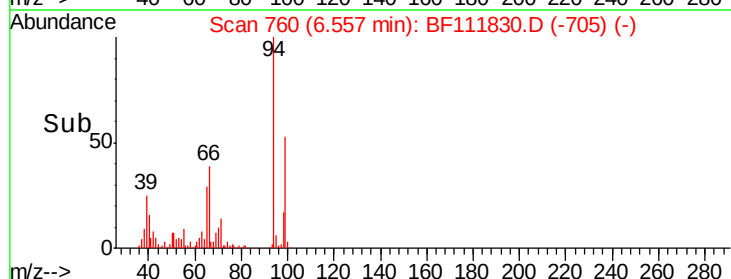
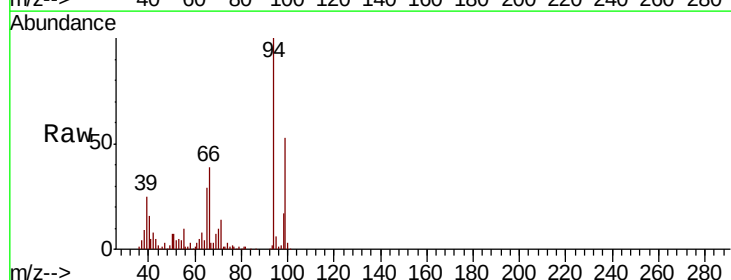
Delta R.T. 0.02 min

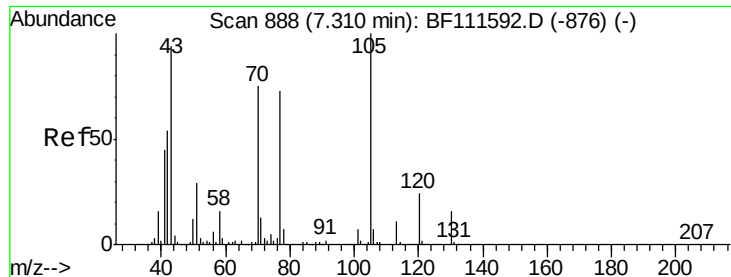
Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Tgt Ion: 94 Resp: 113591

Ion	Ratio	Lower	Upper
94	100		
65	29.2	11.7	51.7
66	39.0	21.0	61.0

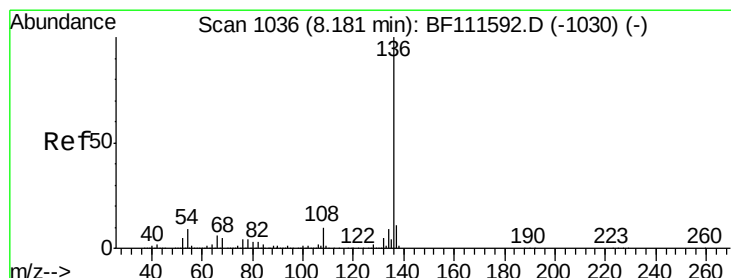
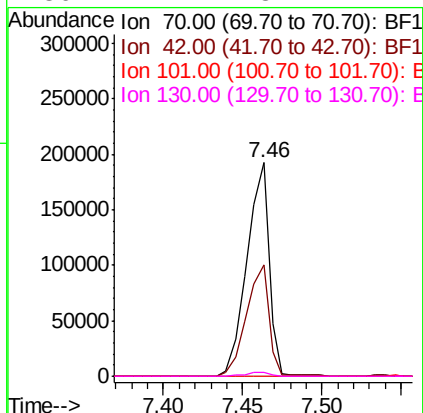
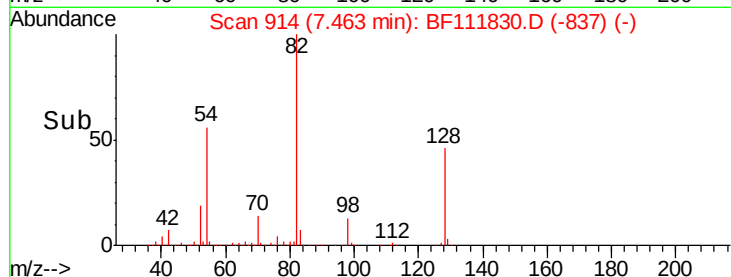
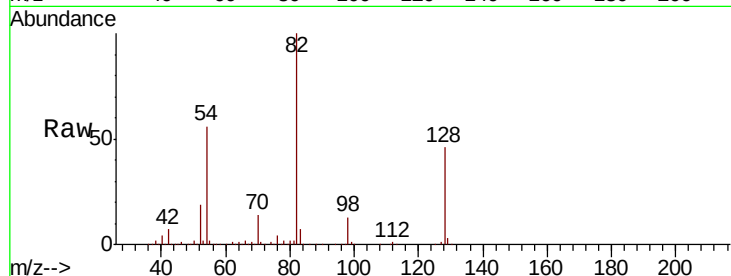




#19
n-Nitroso-di-n-propylamine
Concen: 13.019 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

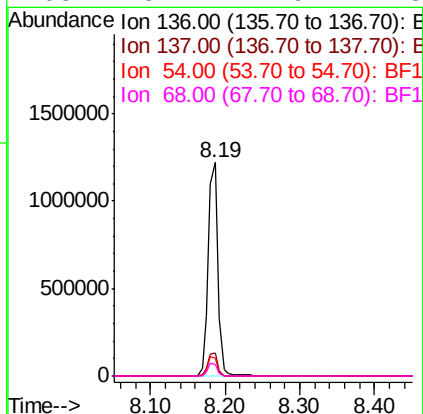
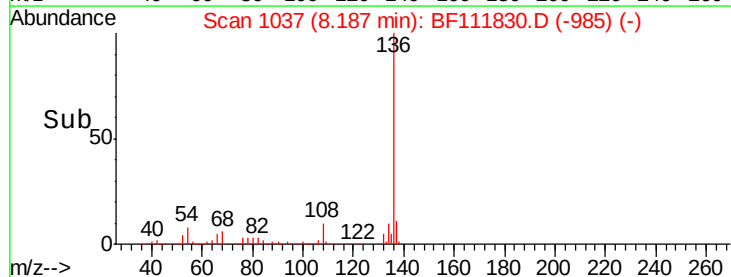
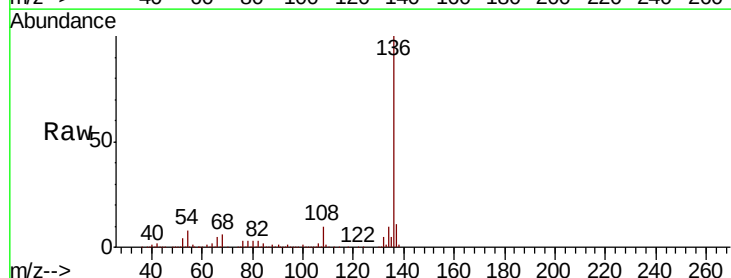
Instrument :
BNA_F
ClientSampleId :

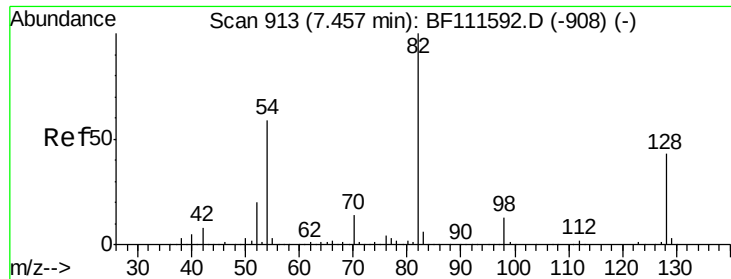
Tot Ion: 70 Resp: 186707
Ion Ratio Lower Upper
70 100
42 52.1 53.2 79.8#
101 0.0 8.2 12.4#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

Tgt Ion:136 Resp: 1109575
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 8.1 7.7 11.5
68 5.7 4.9 7.3

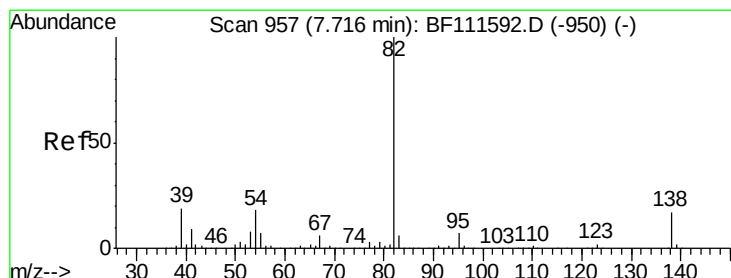
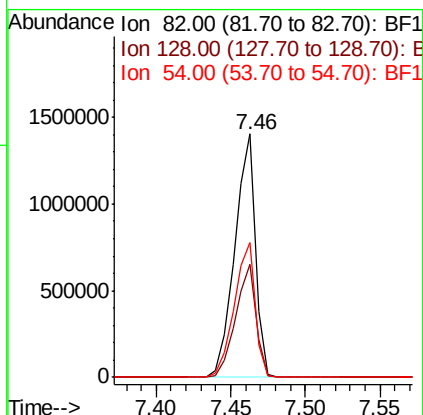
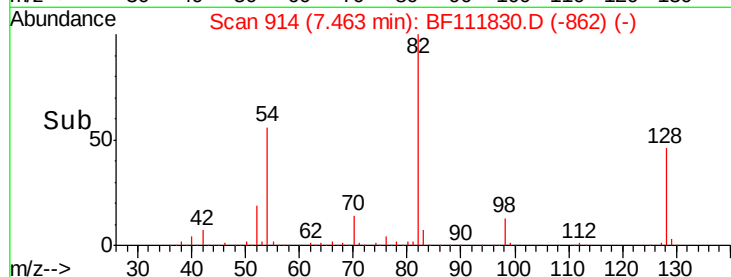
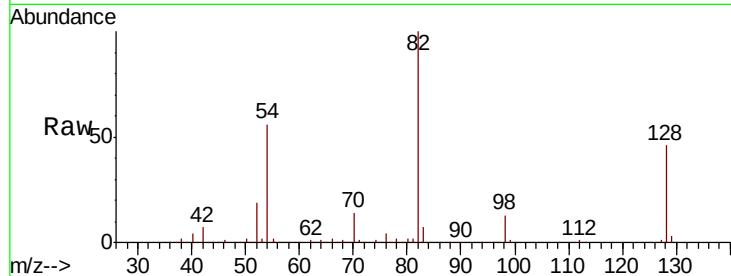




#23
Nitrobenzene-d5
Concen: 71.837 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

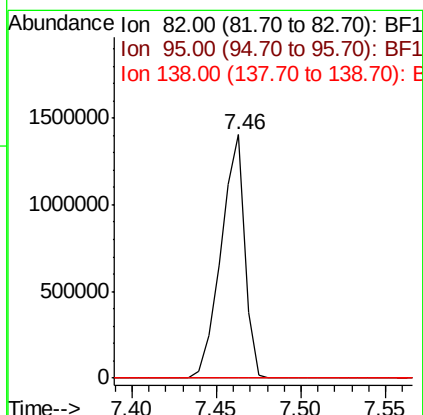
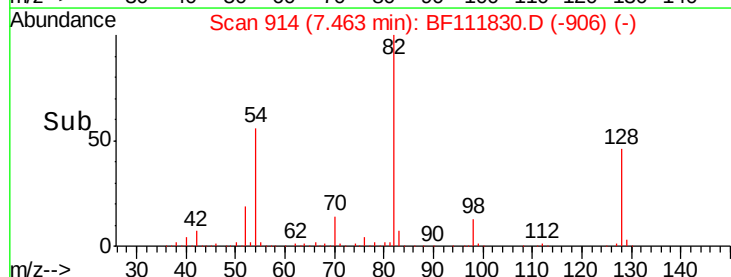
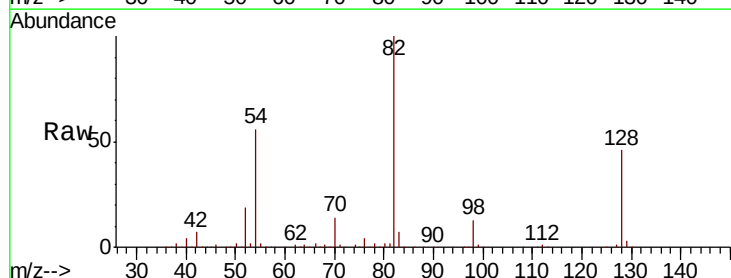
Instrument :
BNA_F
ClientSampled :

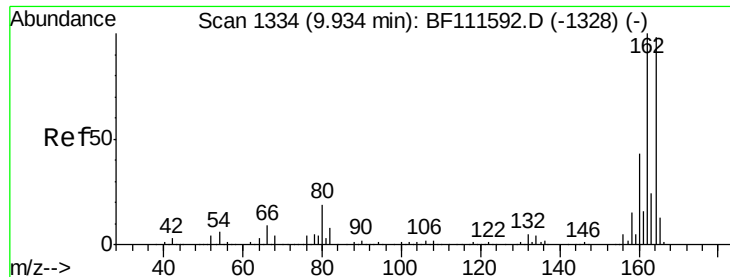
Tot Ion: 82 Resp: 1369381
Ion Ratio Lower Upper
82 100
128 46.3 37.4 56.2
54 55.6 47.6 71.4



#25
Isophorone
Concen: 40.136 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.25 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

Tgt Ion: 82 Resp: 1358247
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

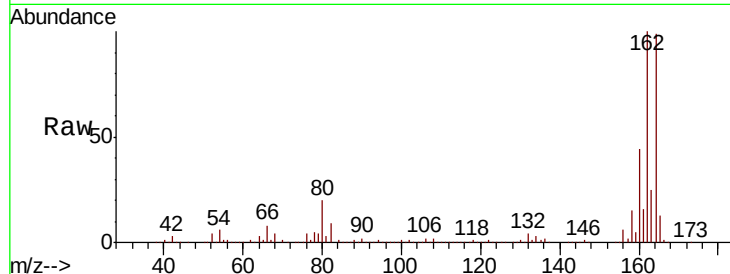




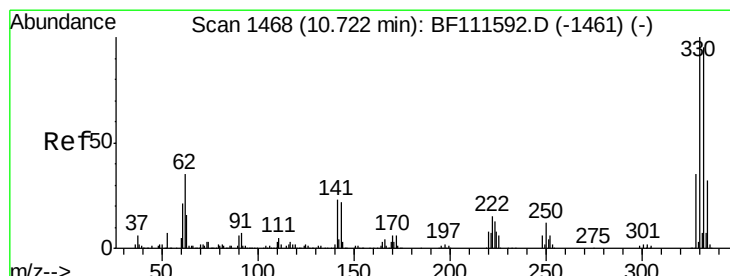
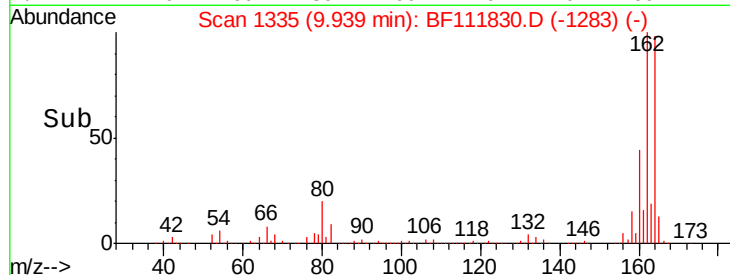
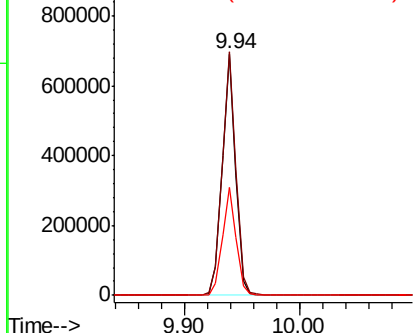
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF111830.D
 Acq: 3 Jan 2019 19:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 558066
 Ion Ratio Lower Upper
 164 100
 162 101.0 81.4 122.0
 160 44.8 35.7 53.5

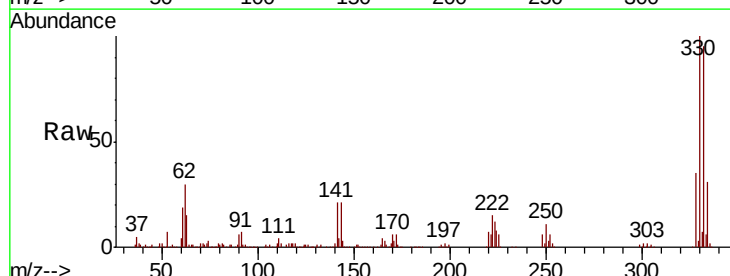


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

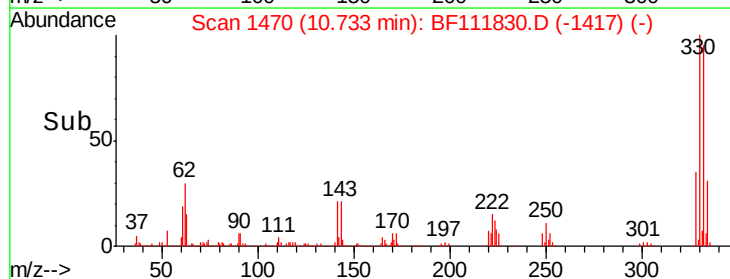
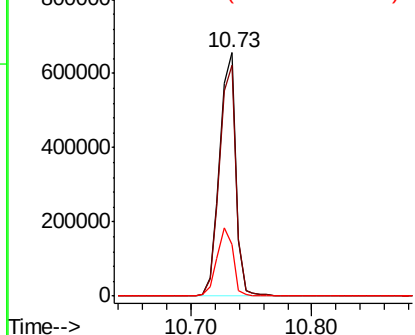


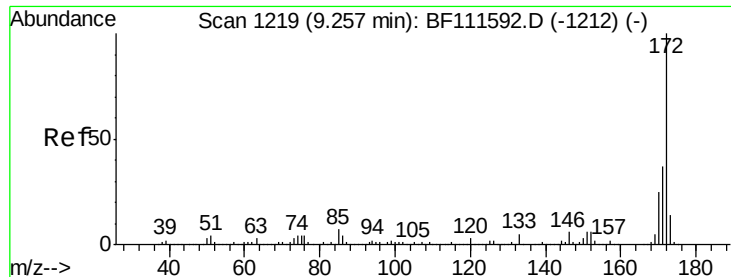
#42
 2,4,6-Tribromophenol
 Concen: 92.563 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111830.D
 Acq: 3 Jan 2019 19:27

Tgt Ion:330 Resp: 610359
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.0 114.0
 141 27.7 31.0 46.6#



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

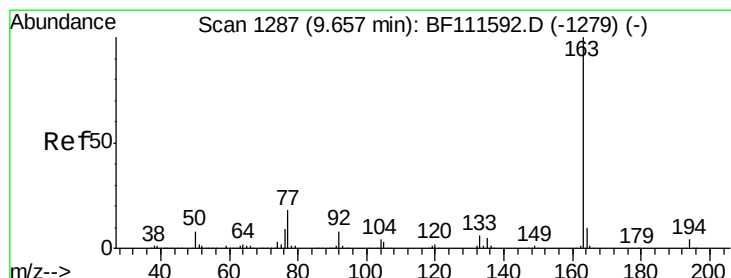
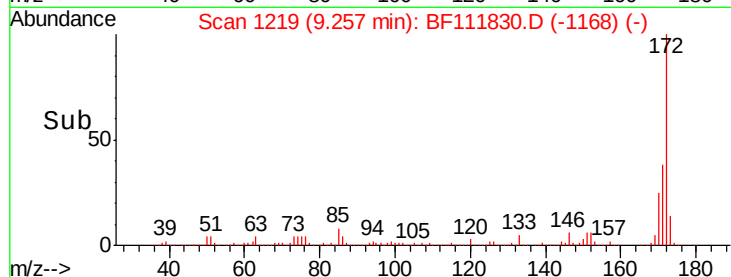
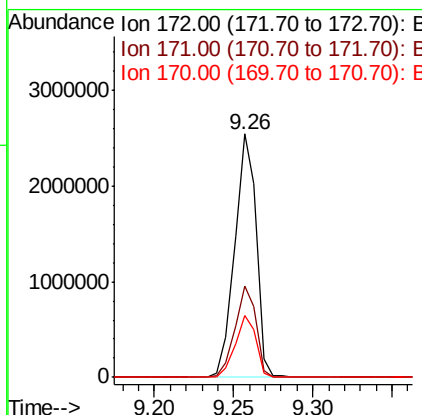
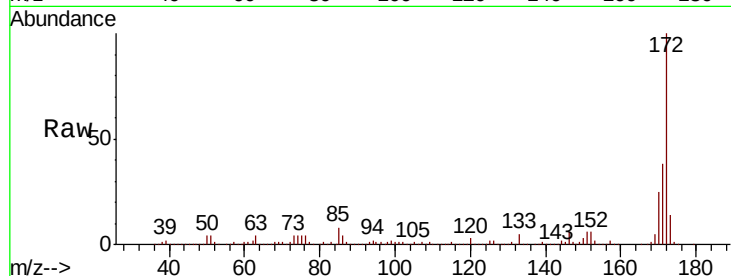




#45
2-Fluorobiphenyl
Concen: 62.686 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

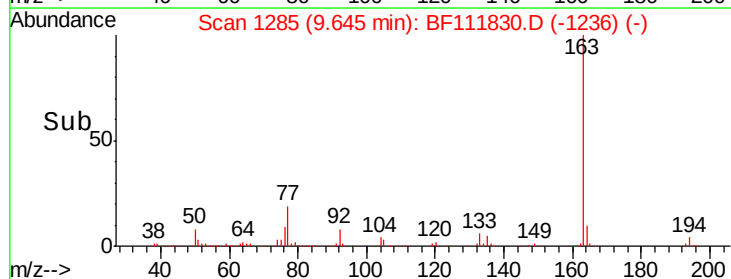
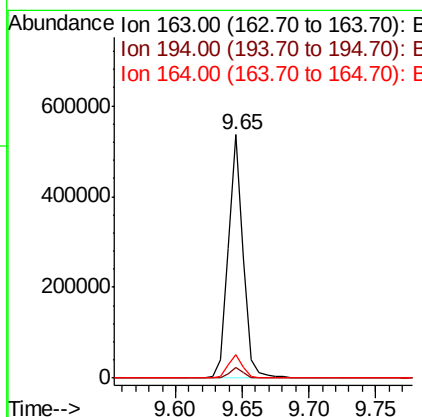
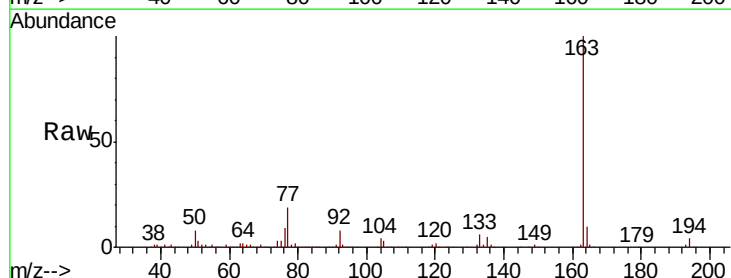
Instrument :
BNA_F
ClientSampleId :

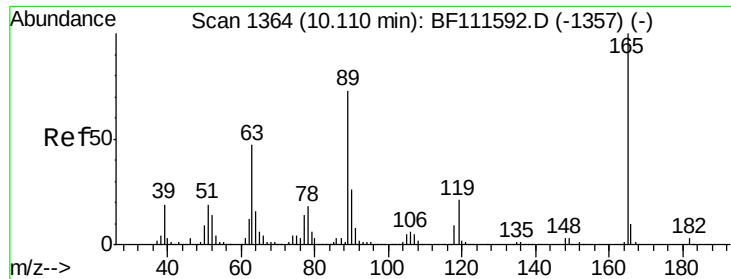
Tot Ion:172 Resp: 2400088
Ion Ratio Lower Upper
172 100
171 37.7 33.0 49.4
170 25.4 22.3 33.5



#50
Dimethylphthalate
Concen: 10.395 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111830.D
Acq: 3 Jan 2019 19:27

Tgt Ion:163 Resp: 424225
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.8 8.9 13.3

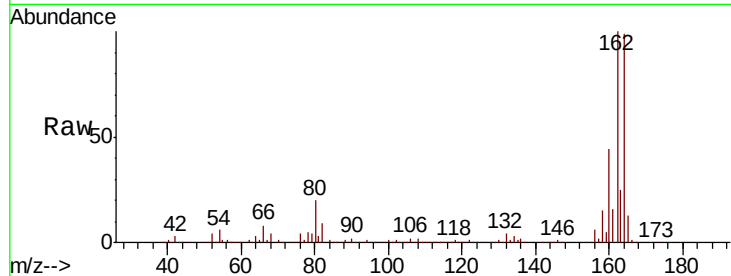




#57
 2,4-Dinitrotoluene
 Concen: 7.520 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111830.D
 Acq: 3 Jan 2019 19:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.6	52.0#
89	1.6	56.2	84.4#
182	0.0	1.8	2.6#

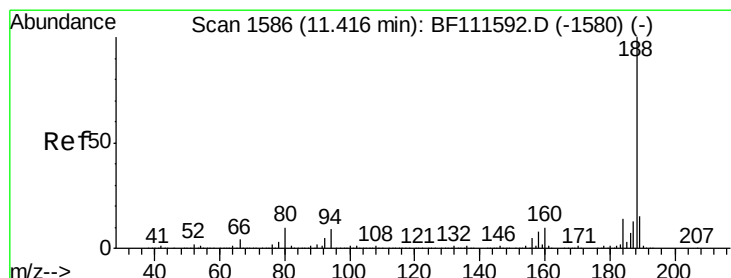
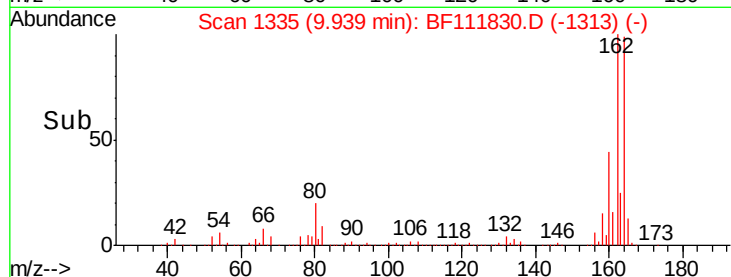
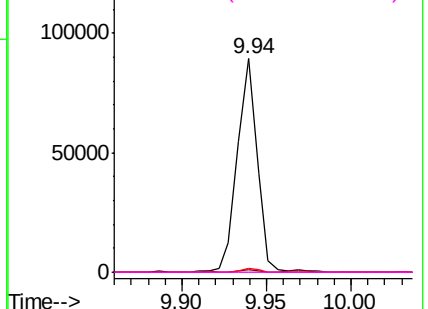


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

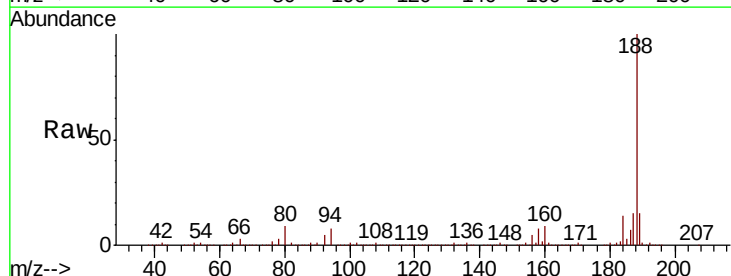
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111830.D
 Acq: 3 Jan 2019 19:27

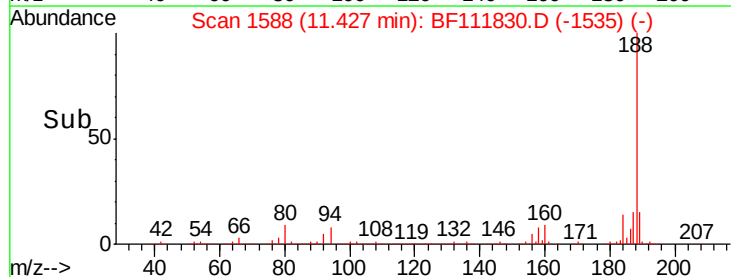
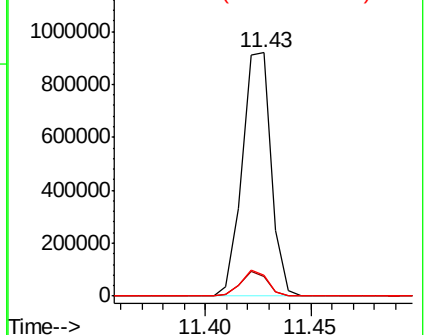
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.6	14.4#
80	8.6	9.8	14.6#

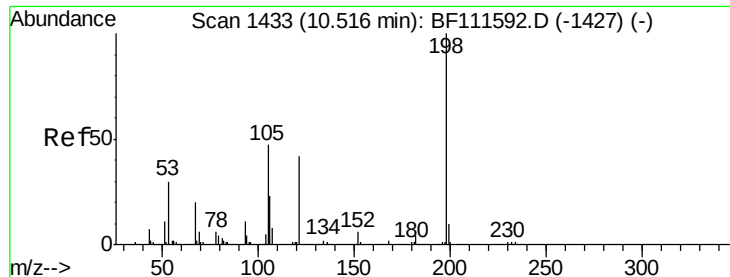


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.042 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.21 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Instrument :

BNA_F

ClientSampleId :

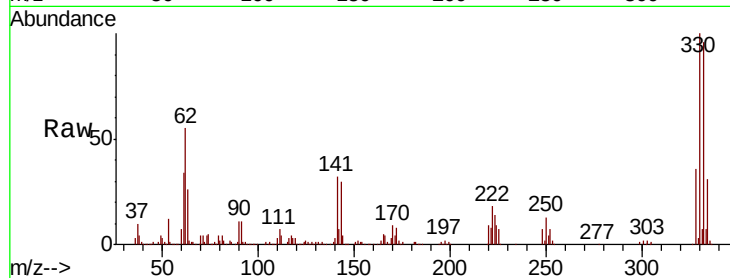
Tot Ion:198 Resp: 1470

Ion Ratio Lower Upper

198 100

51 189.4 48.0 88.0#

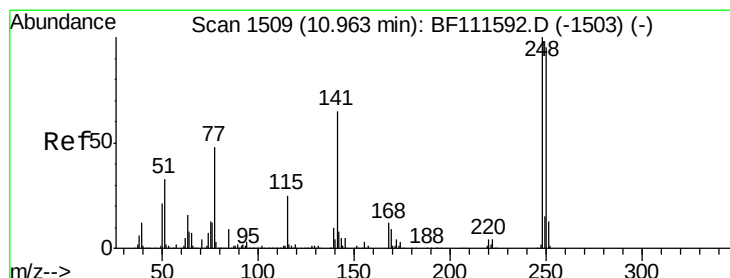
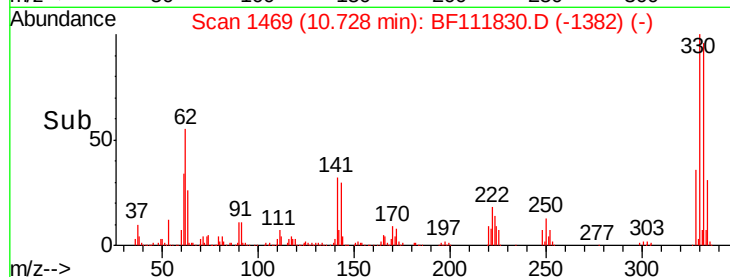
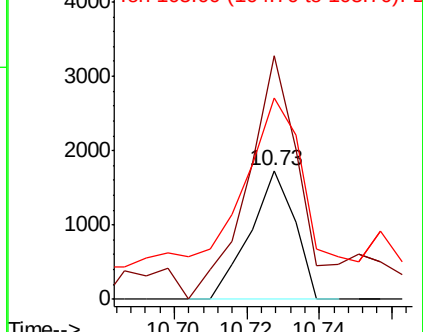
105 156.9 34.0 74.0#



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: 3.361 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

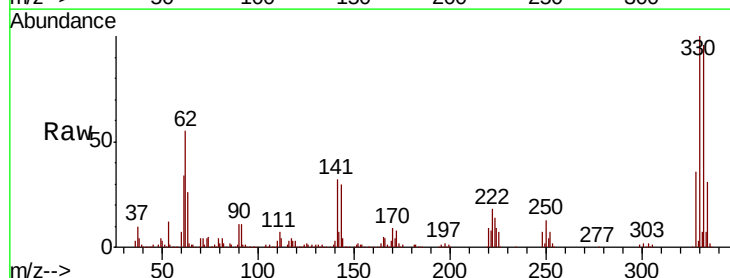
Tgt Ion:248 Resp: 36527

Ion Ratio Lower Upper

248 100

250 197.9 77.0 115.4#

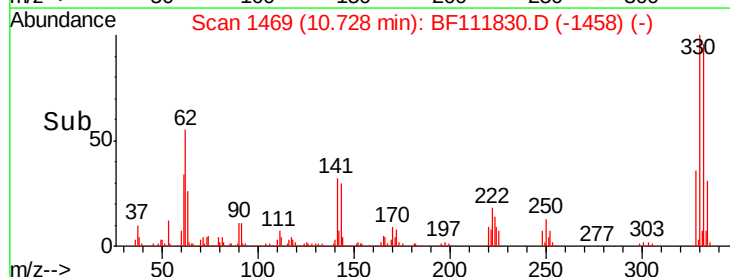
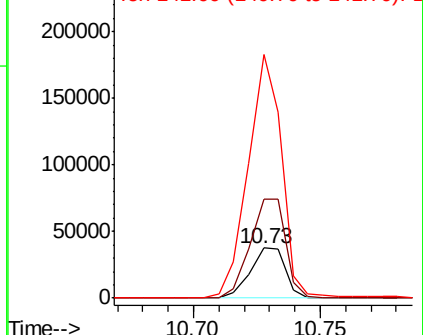
141 487.5 63.0 94.6#

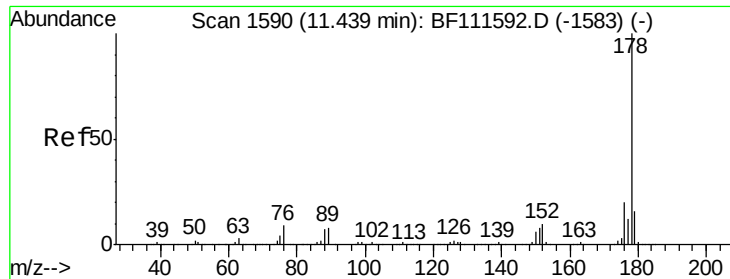


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.518 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Instrument :

BNA_F

ClientSampleId :

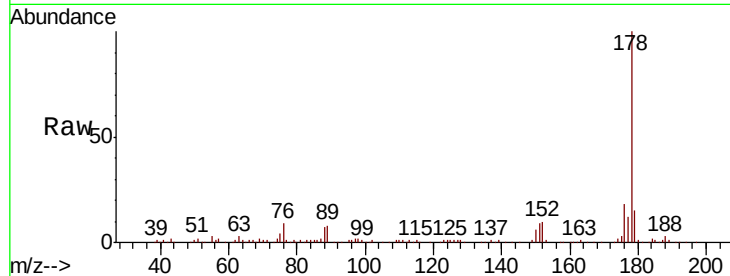
Tot Ion:178 Resp: 116972

Ion Ratio Lower Upper

178 100

176 18.2 18.1 27.1

179 14.7 14.0 21.0

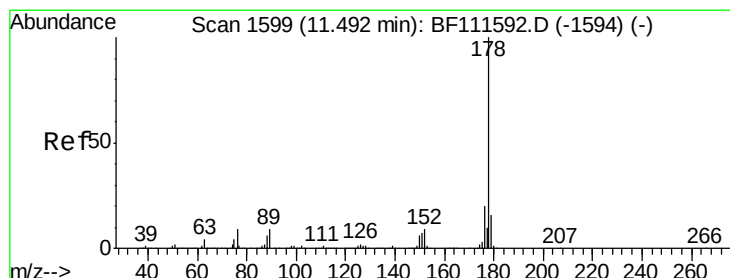
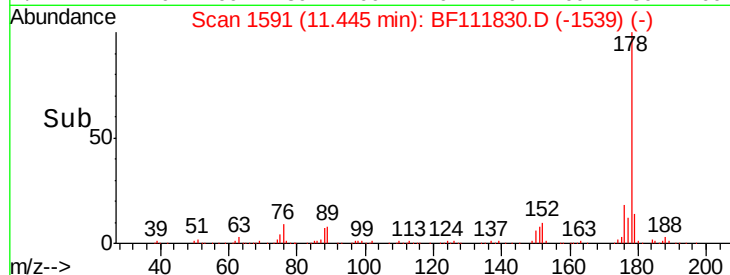
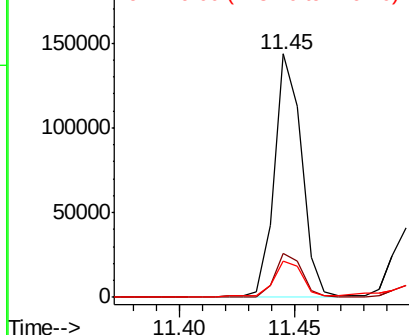


Abundance

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



#72

Anthracene

Concen: 2.508 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.05 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

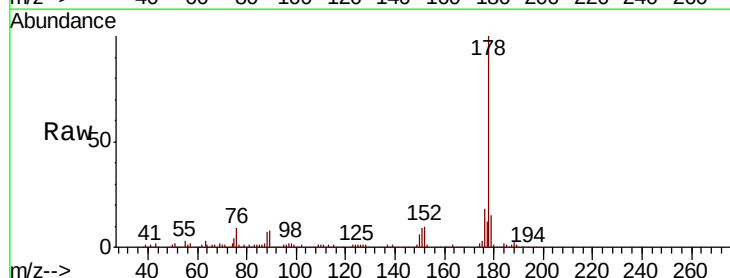
Tgt Ion:178 Resp: 116972

Ion Ratio Lower Upper

178 100

176 18.2 17.2 25.8

179 14.7 13.8 20.8

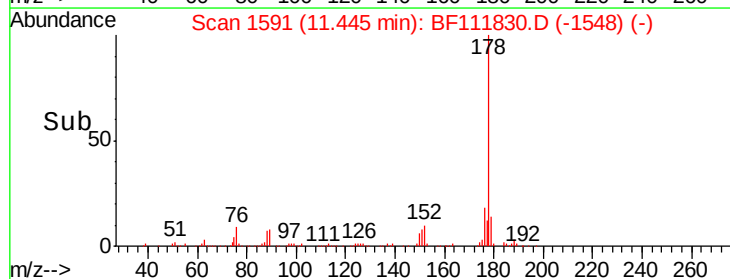
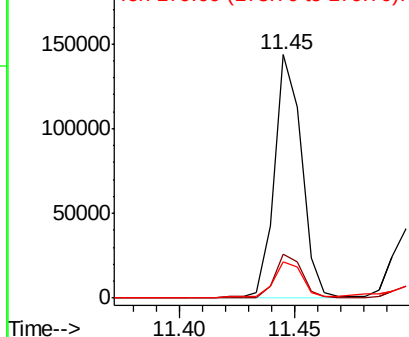


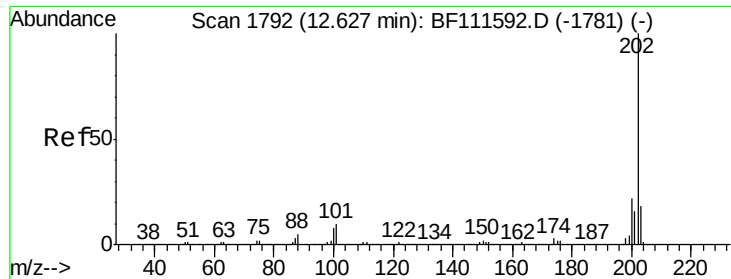
Abundance

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: 3.675 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Instrument :

BNA_F

ClientSampleId :

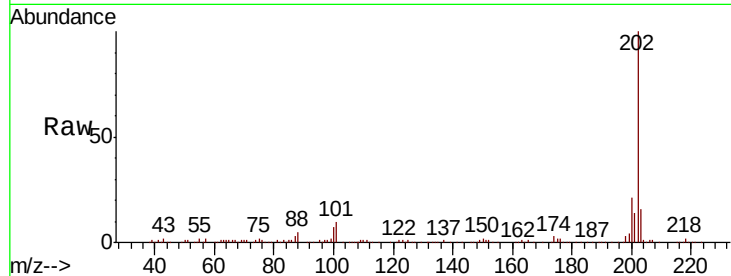
Tot Ion:202 Resp: 172929

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.8

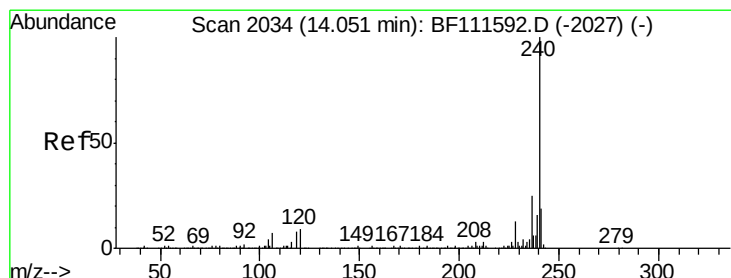
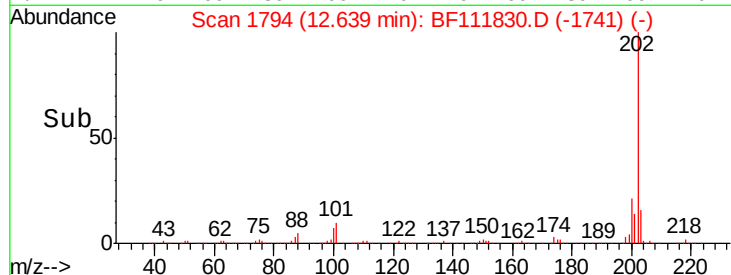
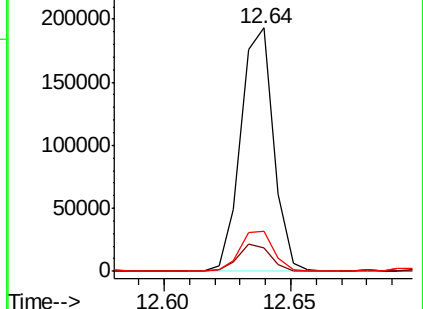
203 16.4 0.0 38.6



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: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

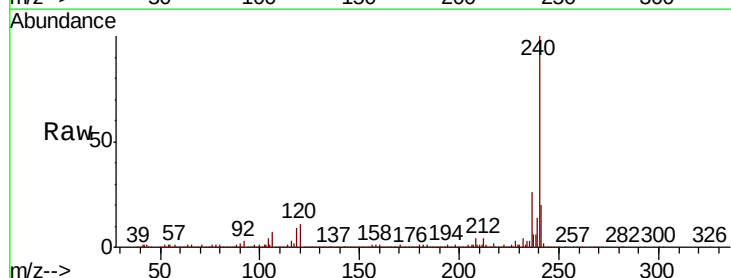
Tgt Ion:240 Resp: 593172

Ion Ratio Lower Upper

240 100

120 10.7 12.2 18.2#

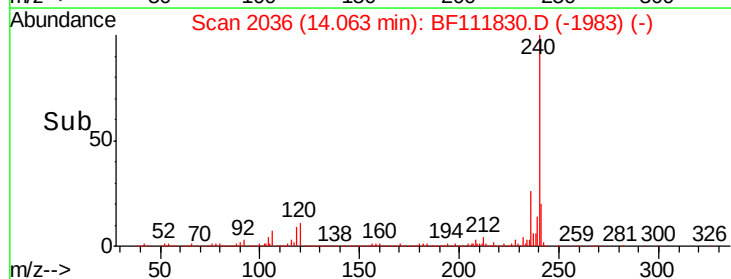
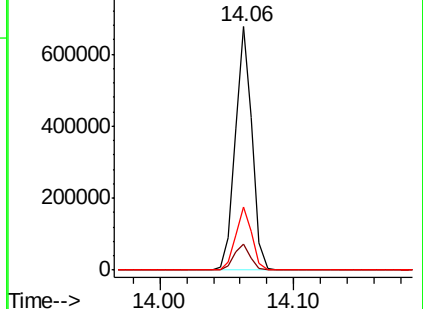
236 26.2 20.2 30.2

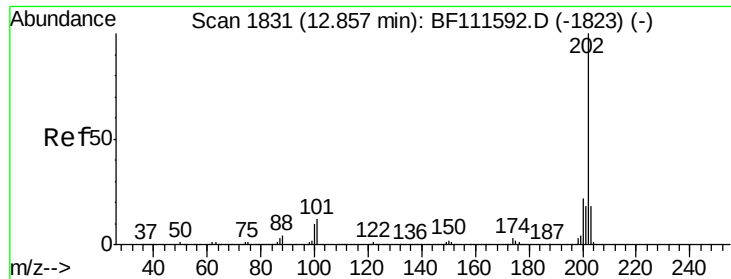


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.755 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Instrument :

BNA_F

ClientSampleId :

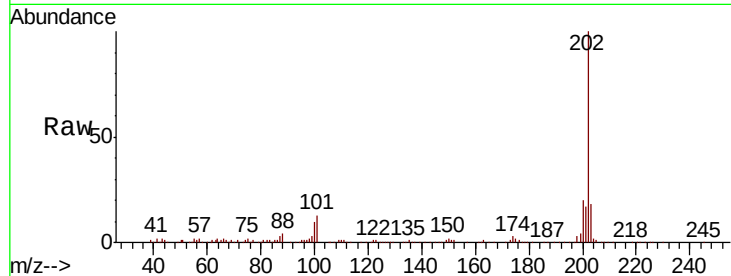
Tot Ion:202 Resp: 157307

Ion Ratio Lower Upper

202 100

200 20.5 19.0 28.4

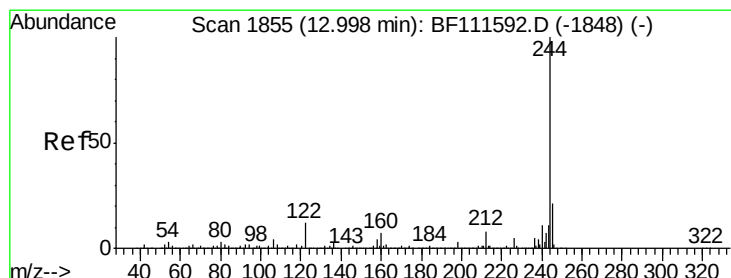
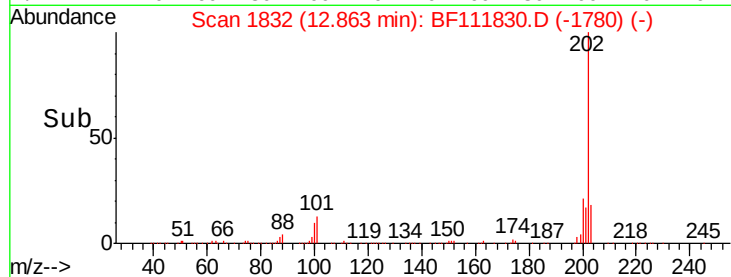
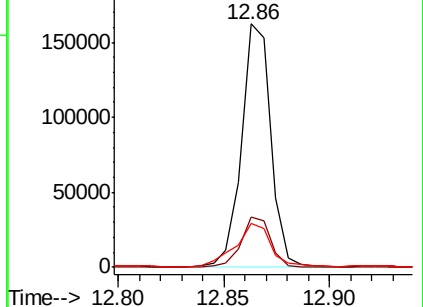
203 18.2 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 57.182 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

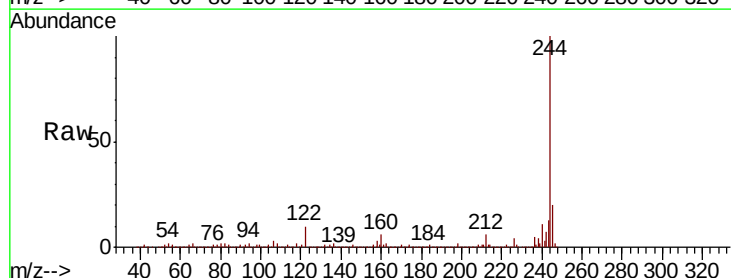
Tgt Ion:244 Resp: 1788563

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

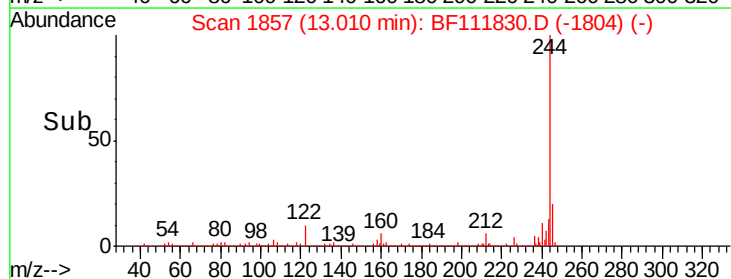
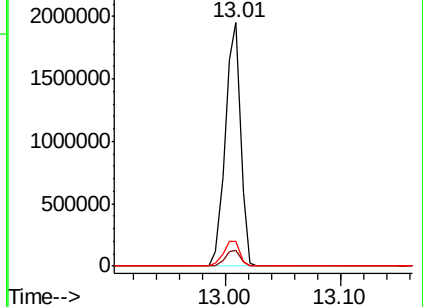
122 10.1 13.1 19.7#

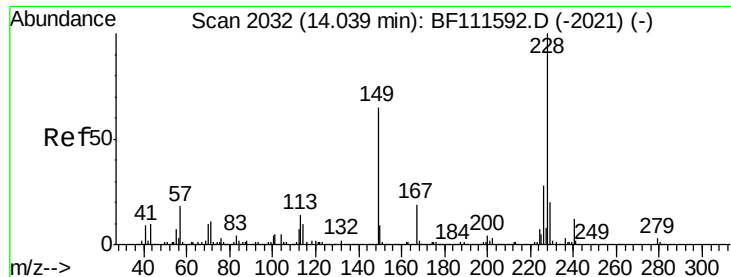


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.423 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Instrument :

BNA_F

ClientSampled :

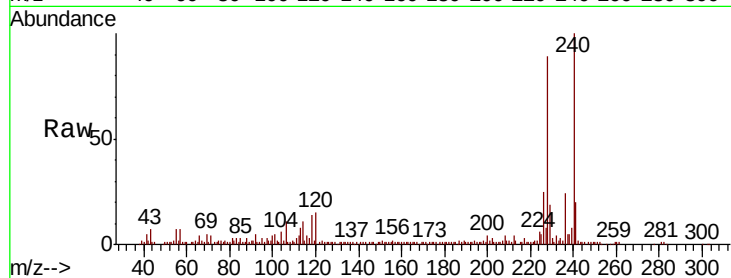
Tot Ion:228 Resp: 82019

Ion Ratio Lower Upper

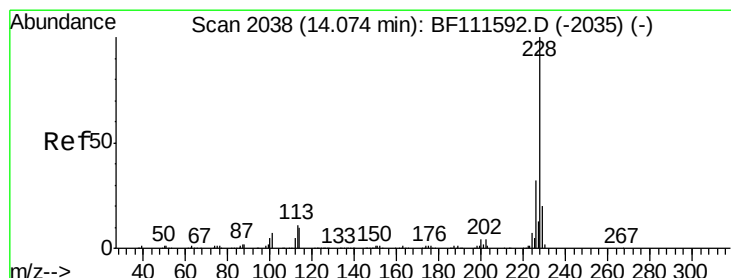
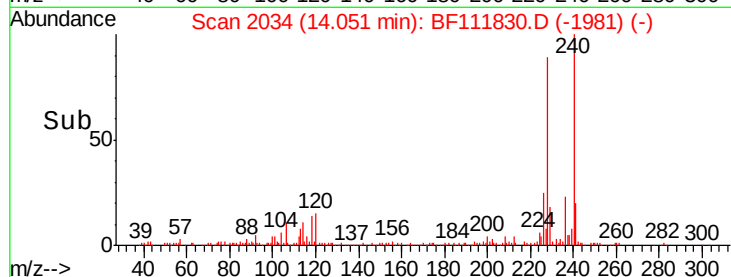
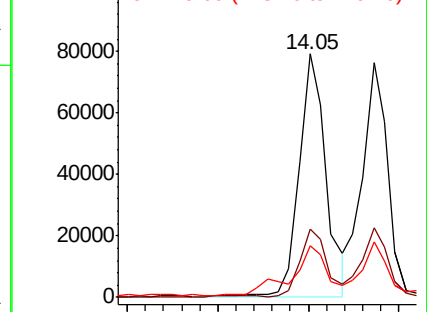
228 100

226 28.1 22.6 34.0

229 21.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.232 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

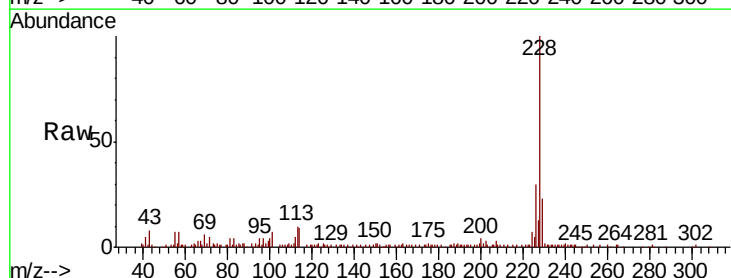
Tgt Ion:228 Resp: 74248

Ion Ratio Lower Upper

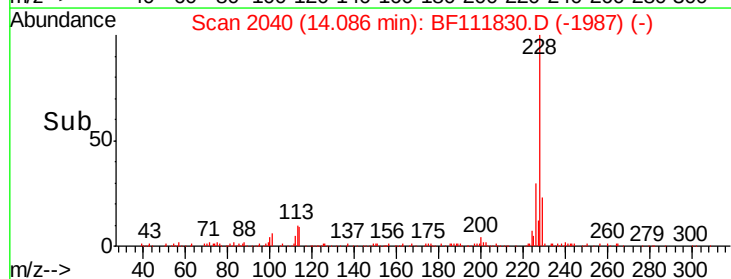
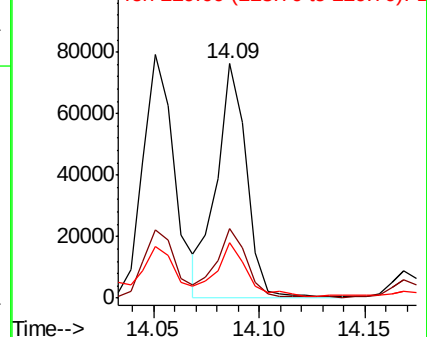
228 100

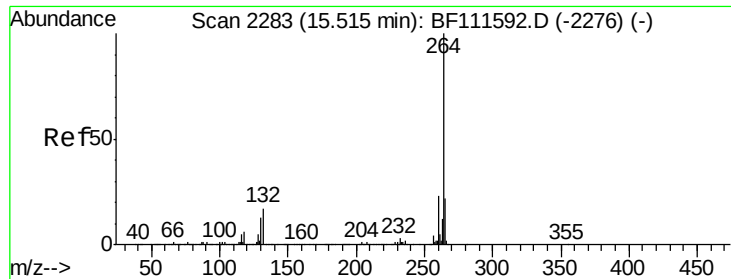
226 29.7 25.3 37.9

229 23.4 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.04 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

Instrument :

BNA_F

ClientSampled :

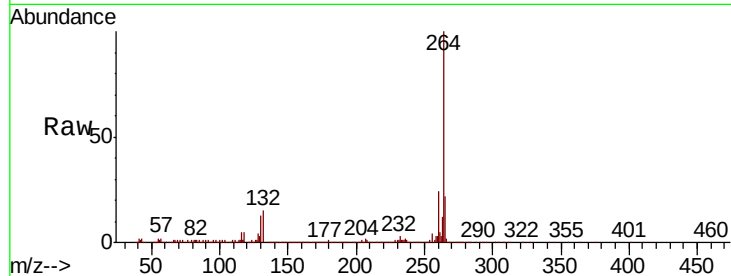
Tot Ion:264 Resp: 449867

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

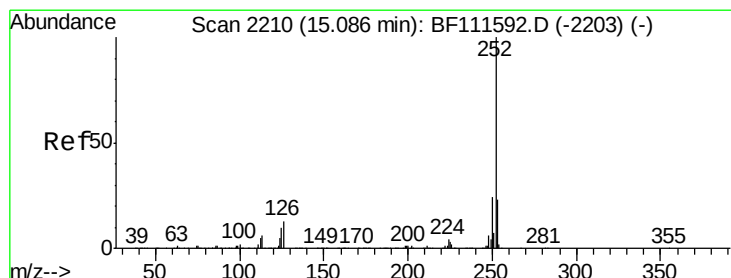
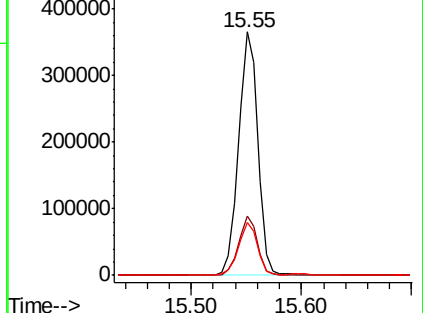
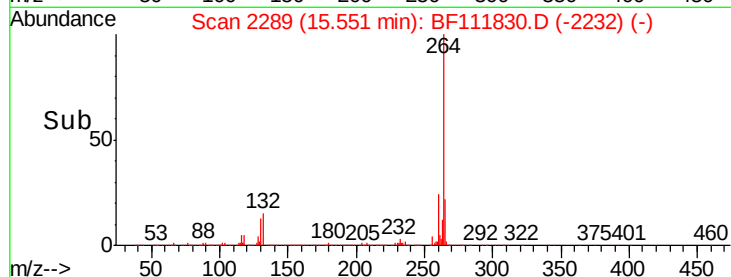
265 22.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 4.062 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.03 min

Lab File: BF111830.D

Acq: 3 Jan 2019 19:27

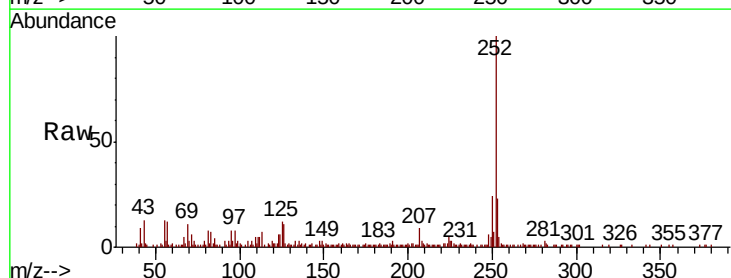
Tgt Ion:252 Resp: 106792

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

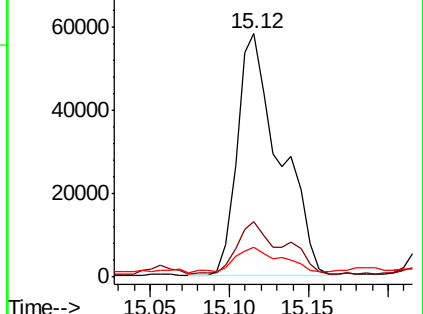
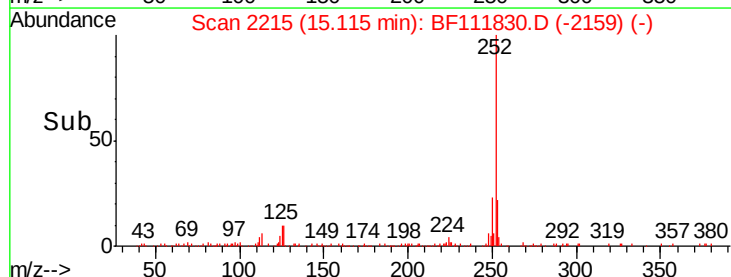
125 12.4 10.4 15.6

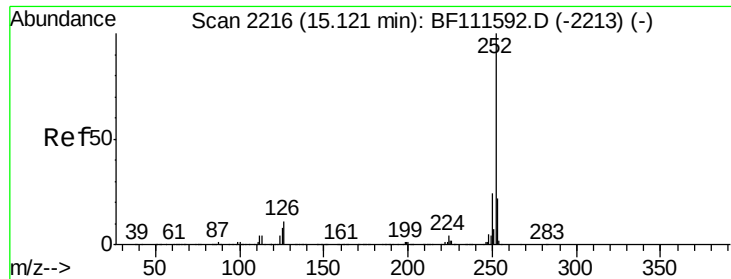


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

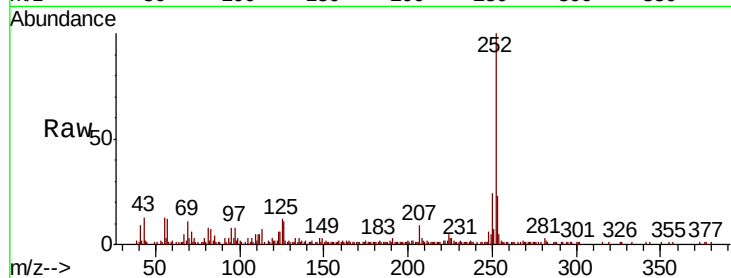




#89
 Benzo(k)fluoranthene
 Concen: 4.266 ng
 RT: 15.12 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: BF111830.D
 Acq: 3 Jan 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.4	9.8	14.8



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

