

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111160.D
 Acq On : 7 Dec 2018 1:22
 Operator : JU/SJ
 Sample : J6194-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 02:11:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	544181	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2151734	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	943775	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1261901	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1013483	20.00	ng	0.00
87) Perylene-d12	15.39	264	773020	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1718726	49.29	ng	0.00
7) Phenol-d6	6.43	99	2158662	48.05	ng	0.00
23) Nitrobenzene-d5	7.36	82	1325201	36.46	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	323382	43.11	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2087292	31.97	ng	0.00
79) Terphenyl-d14	12.91	244	1220731	24.67	ng	0.00

Target Compounds

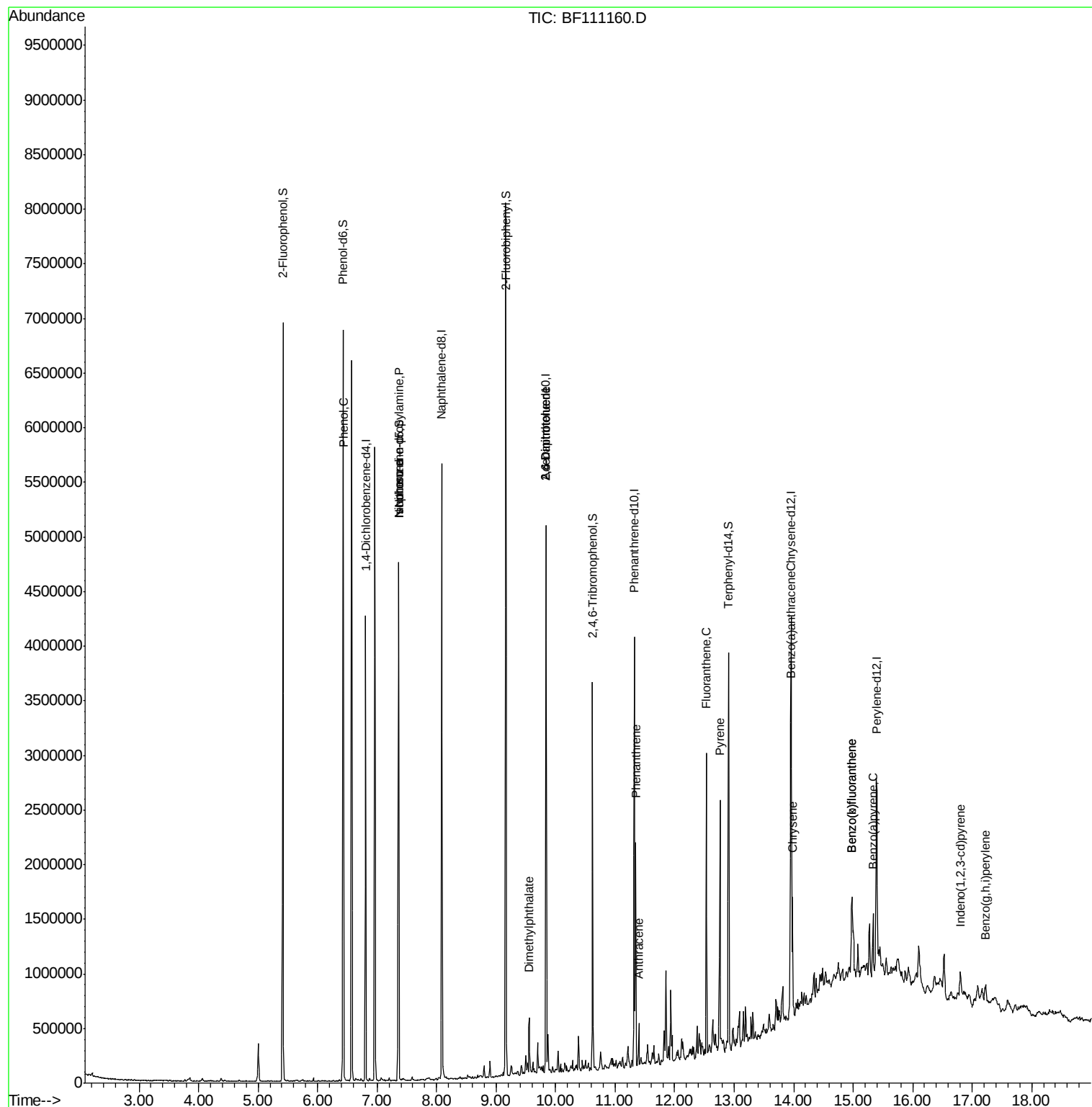
						Qvalue
9) Benzaldehyde	6.43	77	5469	Below Cal	#	4
10) Phenol	6.44	94	138754	2.833	ng	98
19) n-Nitroso-di-n-propylamine	7.36	70	178450	5.911	ng	# 71
25) Isophorone	7.36	82	1320131	19.792	ng	# 65
50) Dimethylphthalate	9.56	163	163150	2.484	ng	# 94
51) 2,6-Dinitrotoluene	9.84	165	122610	8.805	ng	# 26
57) 2,4-Dinitrotoluene	9.84	165	122610	6.817	ng	# 23
71) Phenanthrene	11.34	178	638371	10.517	ng	95
72) Anthracene	11.40	178	143186	2.340	ng	97
75) Fluoranthene	12.53	202	966203	16.267	ng	96
77) Benzidine	12.70	184	886	Below Cal	#	1
78) Pyrene	12.76	202	952985	12.070	ng	95
81) Benzo(a)anthracene	13.94	228	397439	6.693	ng	96
83) Chrysene	13.98	228	388611	6.592	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	127641	2.697	ng	# 93
88) Benzo(b)fluoranthene	14.98	252	515805	11.776	ng	# 96
89) Benzo(k)fluoranthene	14.98	252	515805	12.181	ng	# 96
90) Benzo(a)pyrene	15.33	252	264359	6.580	ng	97
92) Benzo(a,h,i)perylene	17.23	276	121312	3.580	ng	# 93

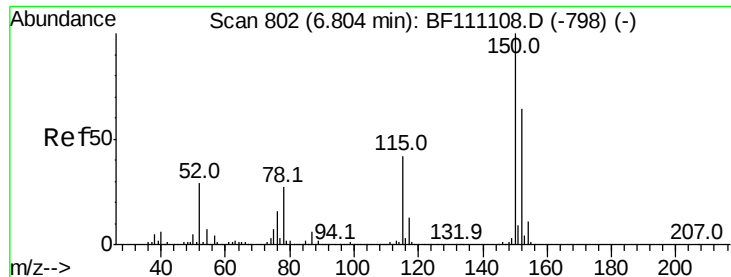
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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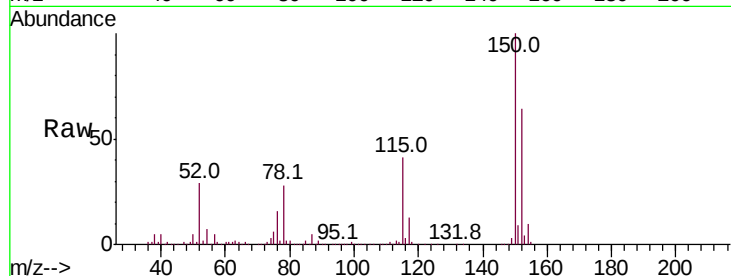


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	187.0
115	64.8	52.2	78.2

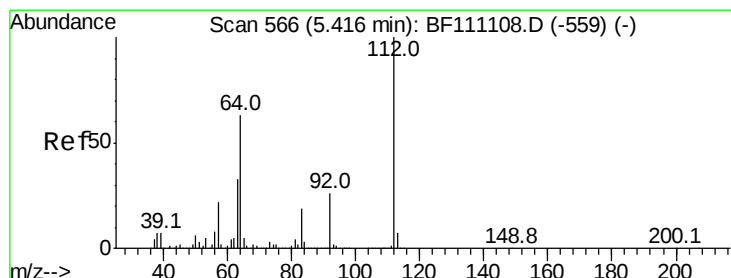
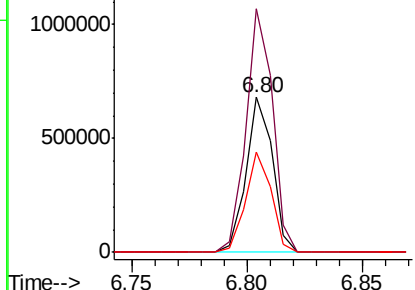
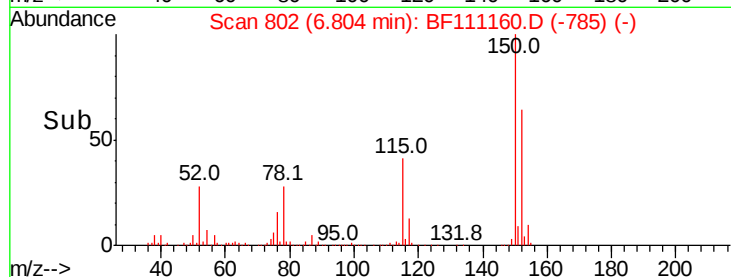


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

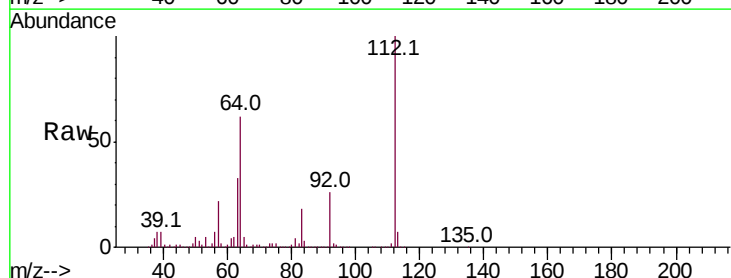
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.285 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.2	75.4
63	33.4	26.6	39.8

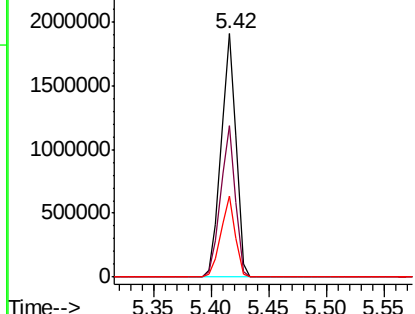
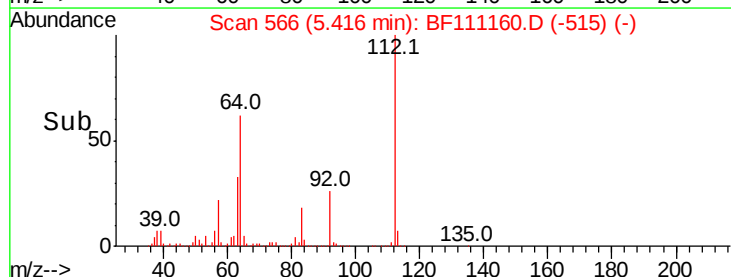


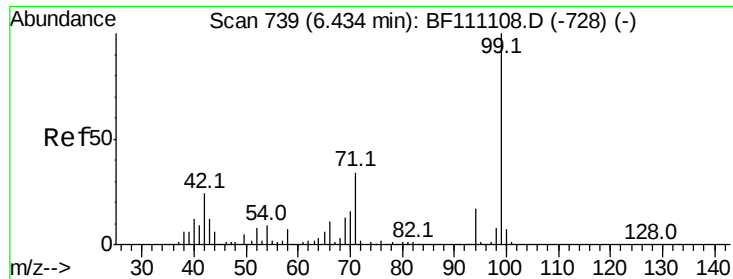
Abundance

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: 48.053 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

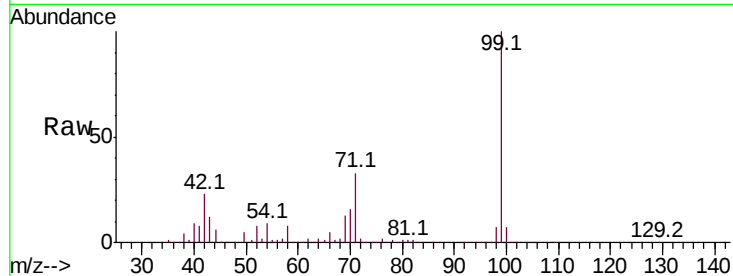
Tot Ion: 99 Resp: 2158662

Ion Ratio Lower Upper

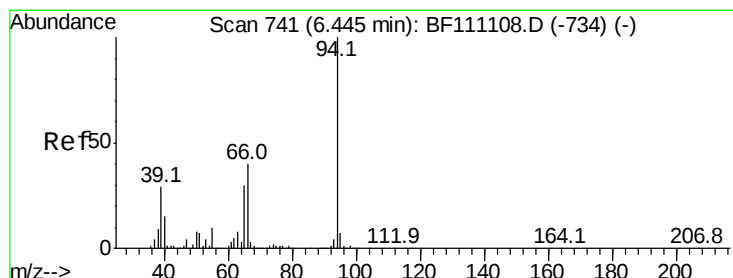
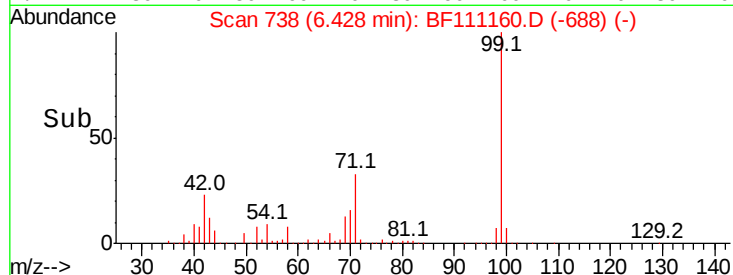
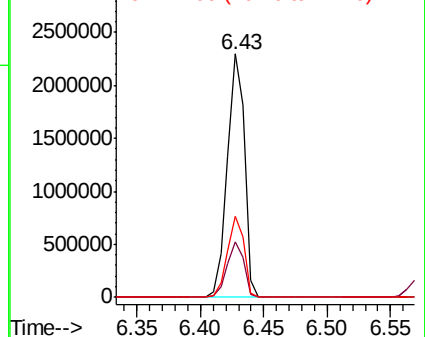
99 100

42 22.6 19.3 28.9

71 33.2 27.4 41.2



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



#10

Phenol

Concen: 2.833 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

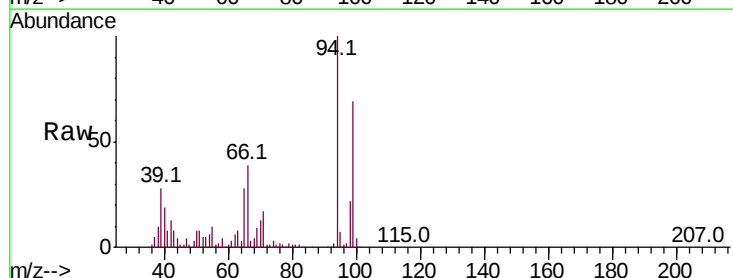
Tgt Ion: 94 Resp: 138754

Ion Ratio Lower Upper

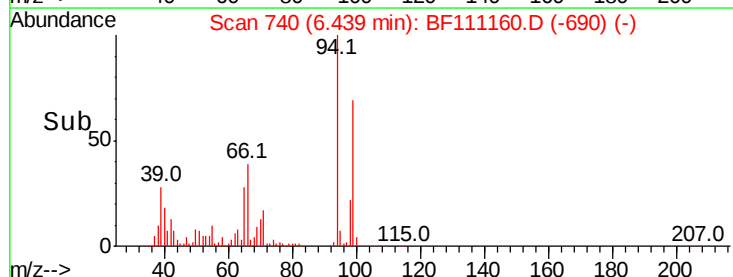
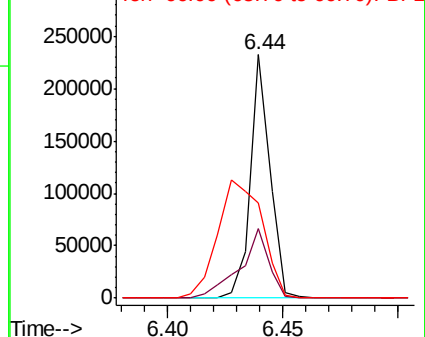
94 100

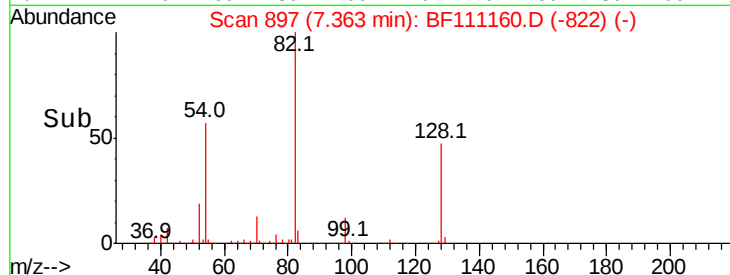
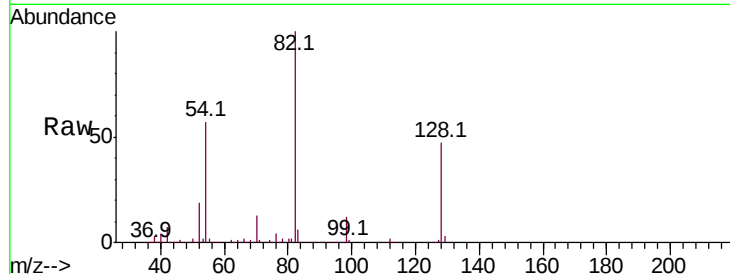
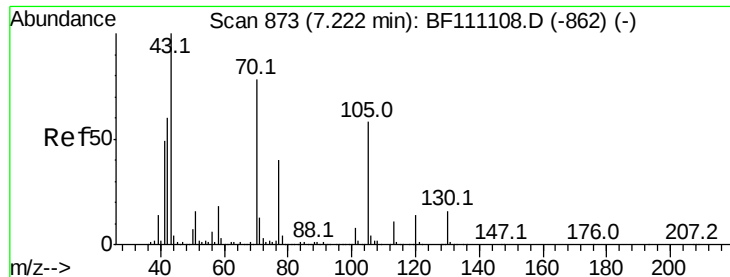
65 28.3 10.5 50.5

66 39.0 19.8 59.8



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

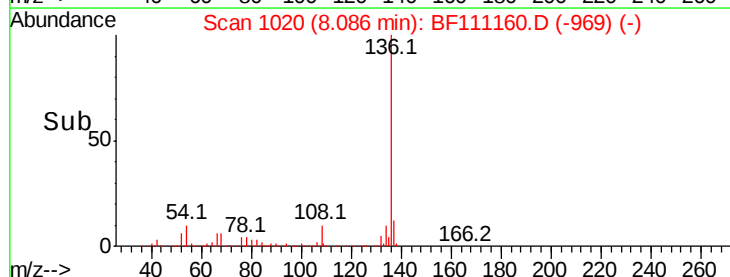
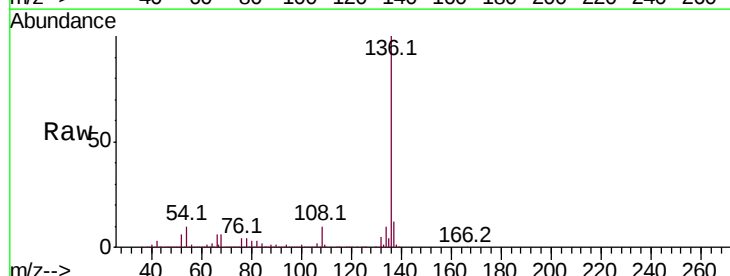
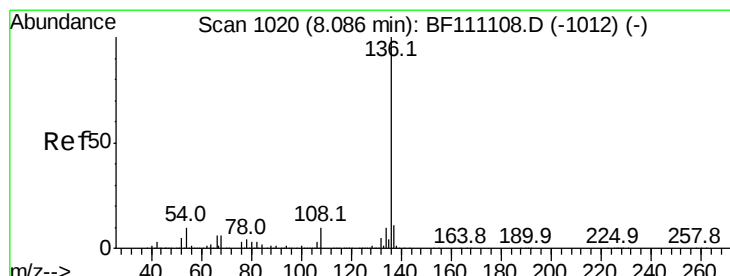
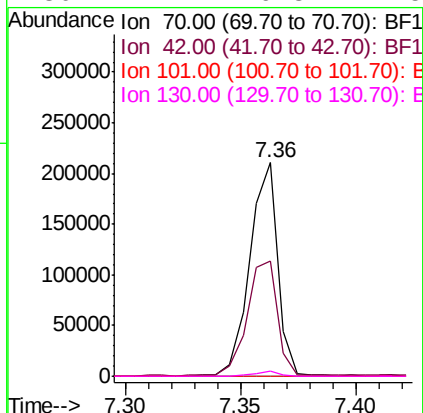




#19
n-Nitroso-di-n-propylamine
Concen: 5.911 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

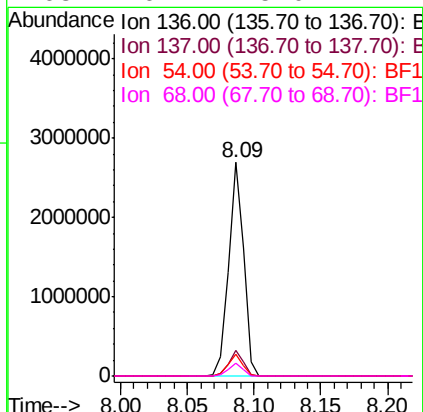
Instrument :
BNA_F
ClientSampleId :

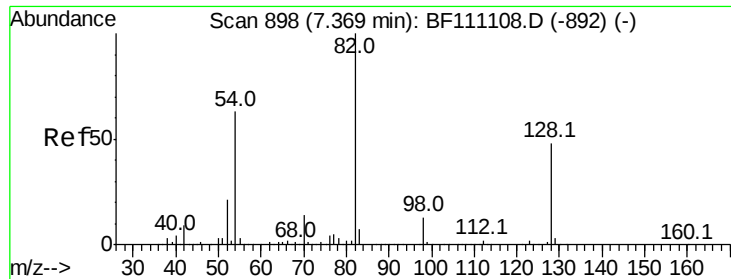
Tot Ion: 70 Resp: 178450
Ion Ratio Lower Upper
70 100
42 54.2 61.3 91.9#
101 0.0 7.7 11.5#
130 2.2 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion:136 Resp: 2151734
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.3 8.4 12.6
68 6.1 5.0 7.4

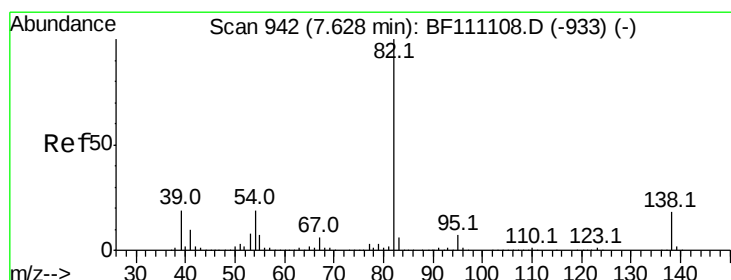
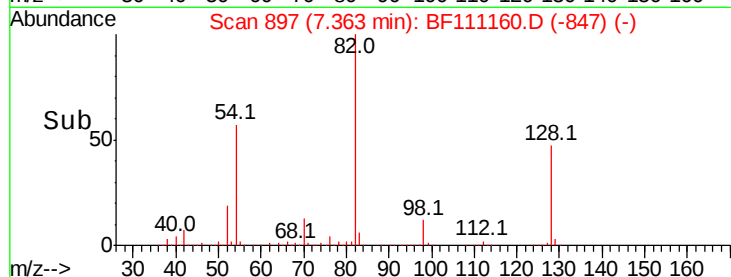
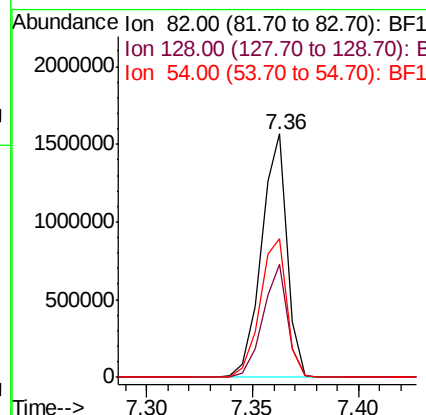
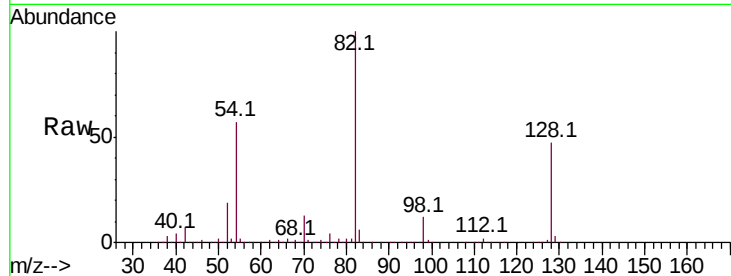




#23
Nitrobenzene-d5
Concen: 36.462 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

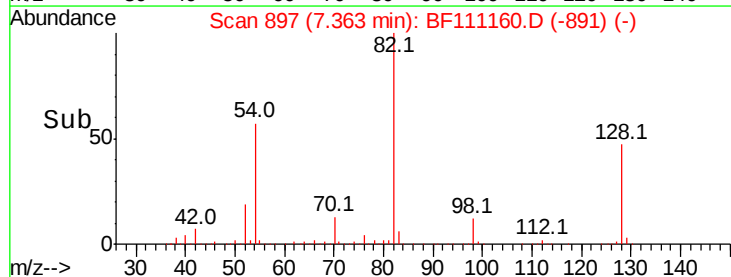
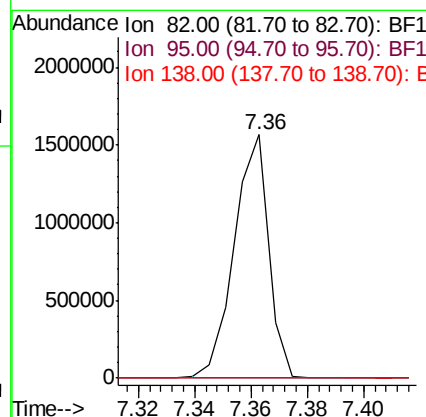
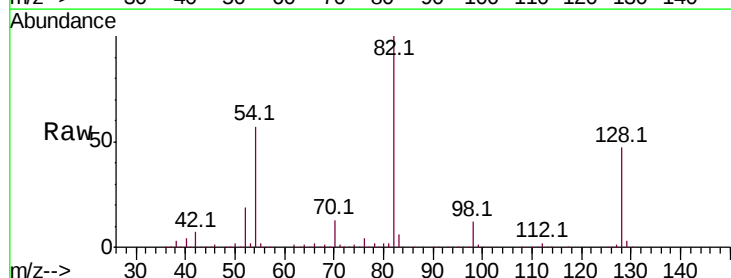
Instrument :
BNA_F
ClientSampleId :

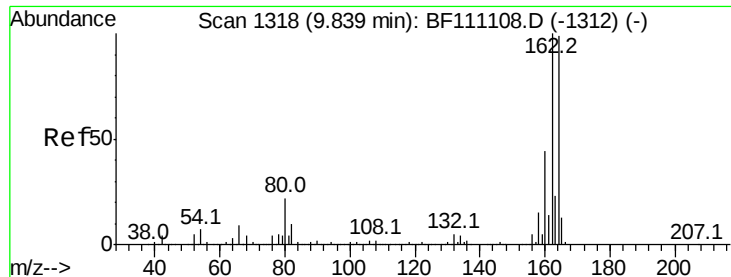
Tot Ion: 82 Resp: 1325201
Ion Ratio Lower Upper
82 100
128 46.7 38.1 57.1
54 56.8 50.3 75.5



#25
Isophorone
Concen: 19.792 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion: 82 Resp: 1320131
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#

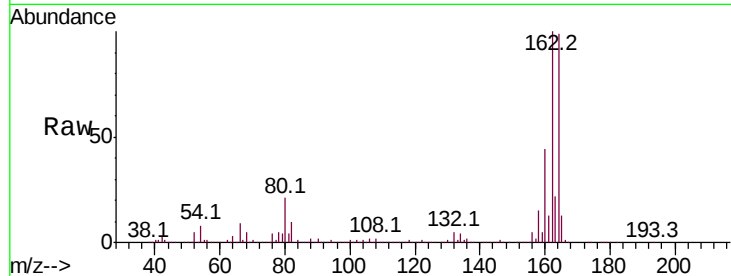




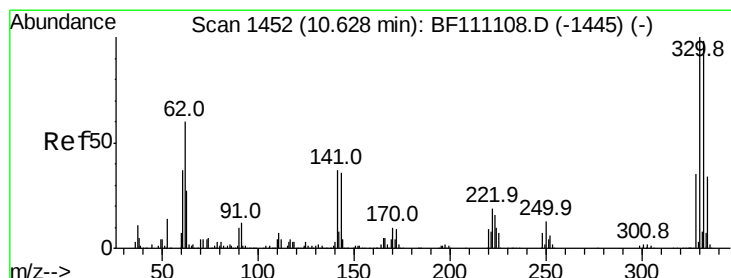
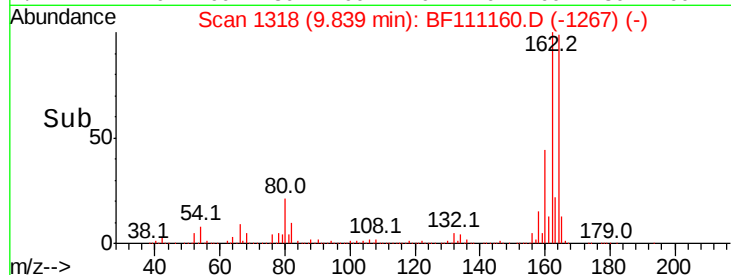
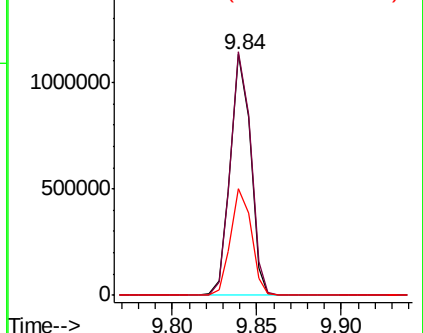
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 943775
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 44.3 35.5 53.3

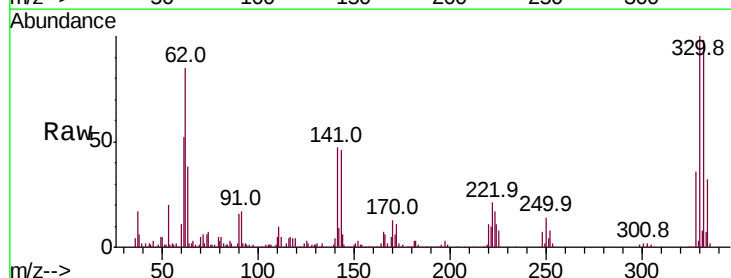


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

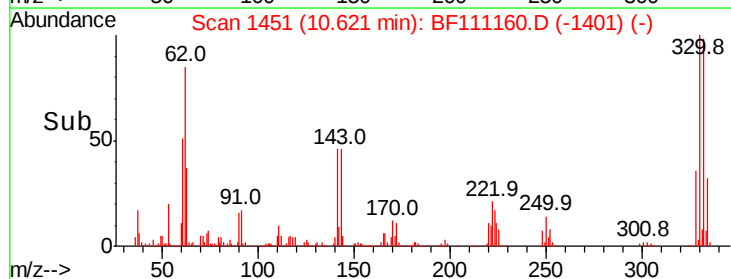
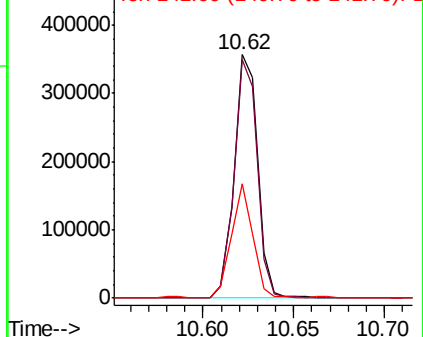


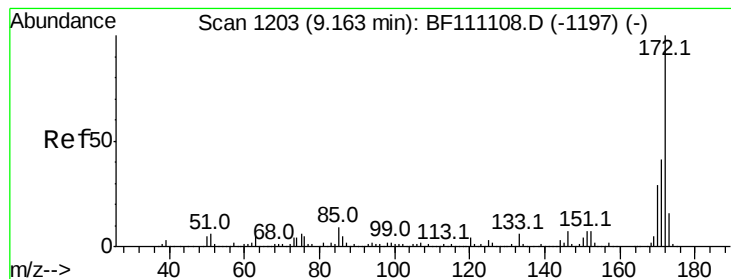
#42
2,4,6-Tribromophenol
Concen: 43.106 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion:330 Resp: 323382
Ion Ratio Lower Upper
330 100
332 96.9 77.2 115.8
141 42.4 36.1 54.1



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: 31.971 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

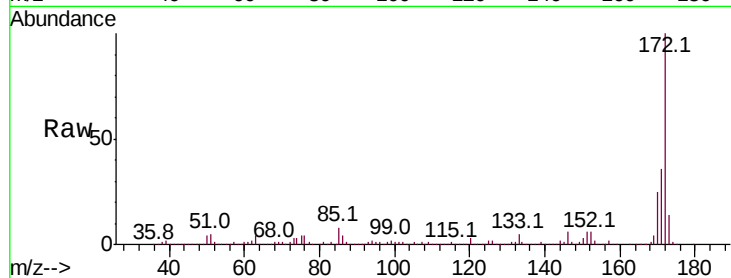
Tot Ion:172 Resp: 2087292

Ion Ratio Lower Upper

172 100

171 36.3 33.2 49.8

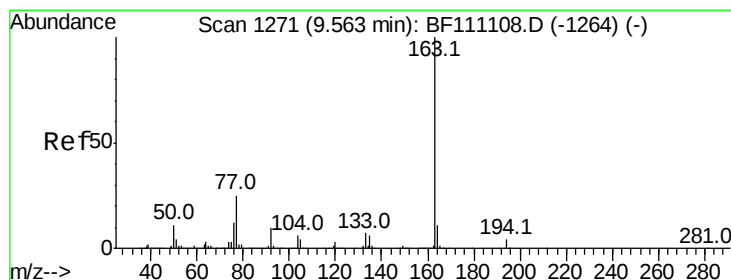
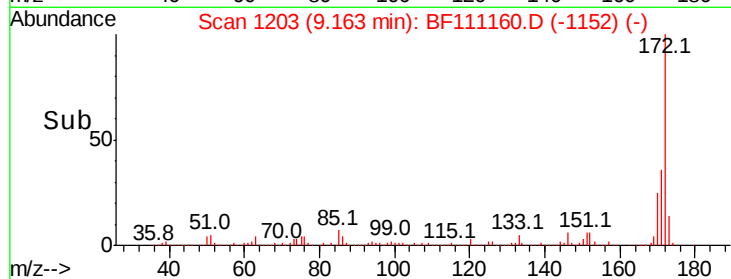
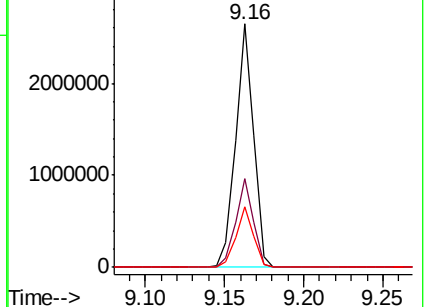
170 24.7 22.9 34.3



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: 2.484 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

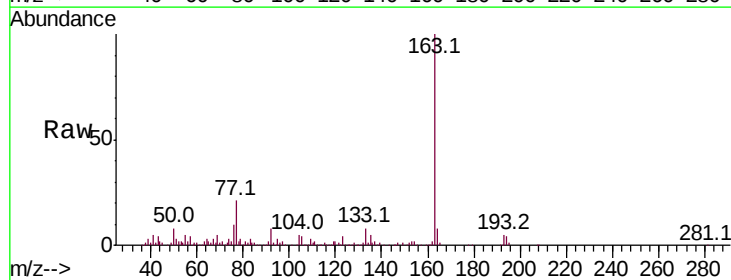
Tgt Ion:163 Resp: 163150

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.4#

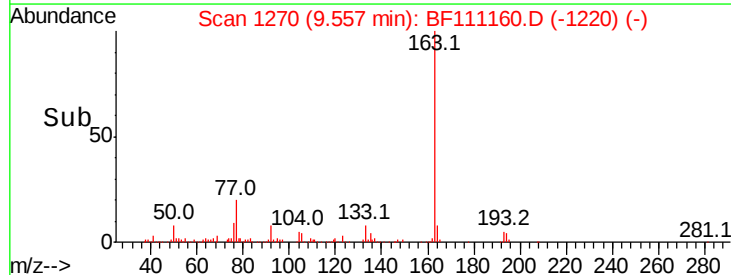
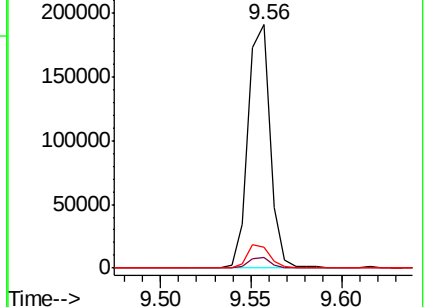
164 8.5 8.9 13.3#

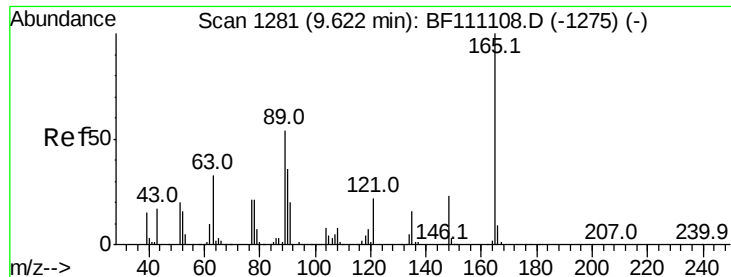


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

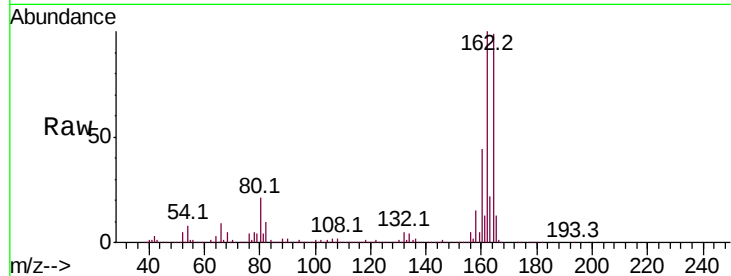




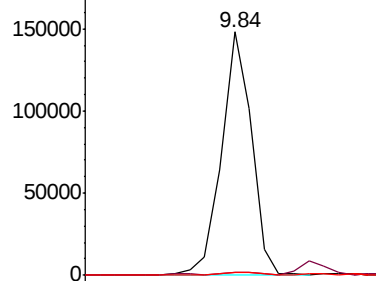
#51
 2,6-Dinitrotoluene
 Concen: 8.805 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.22 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :

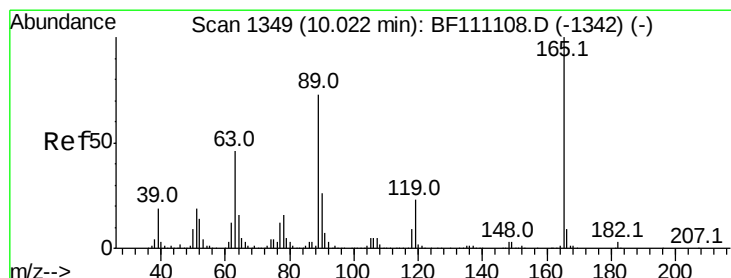
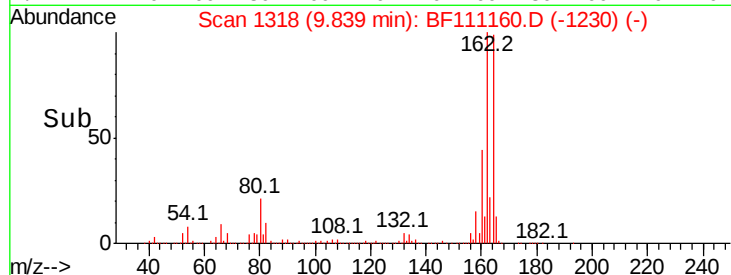
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.4	43.0	64.4#



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

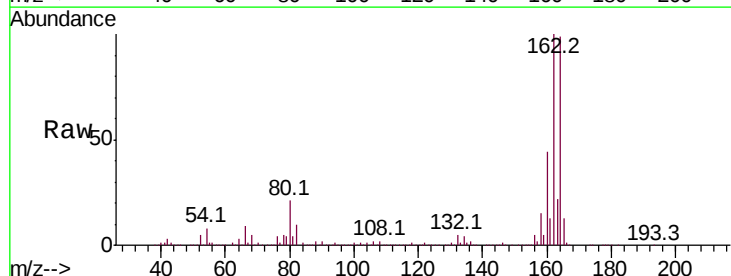


Time-->

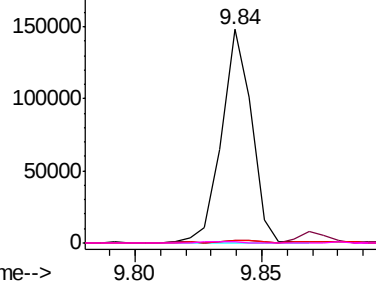


#57
 2,4-Dinitrotoluene
 Concen: 6.817 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.18 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

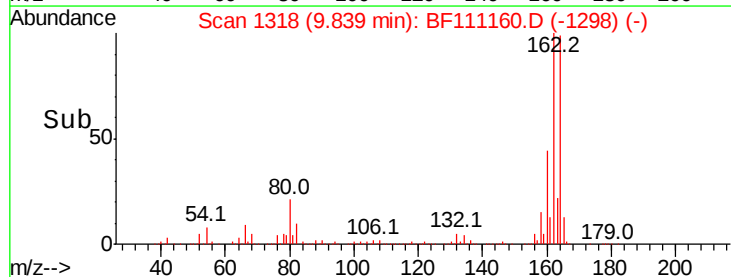
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.7	55.1#
89	1.4	58.4	87.6#
182	0.3	2.1	3.1#

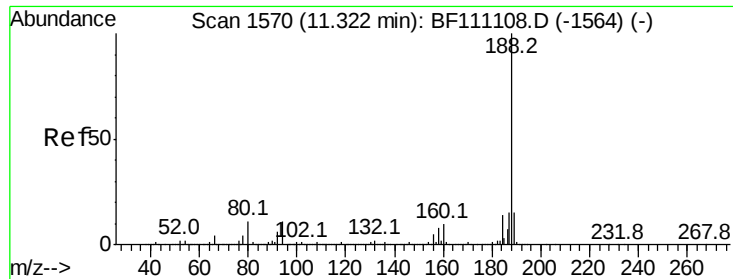


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E



Time-->

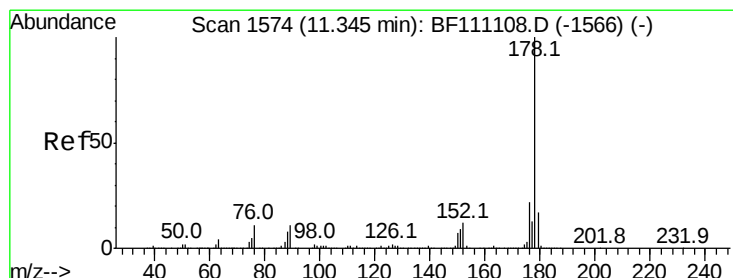
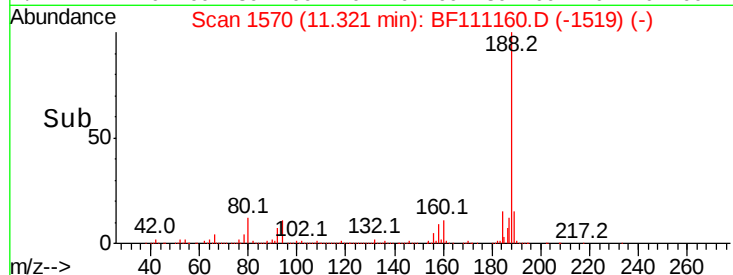
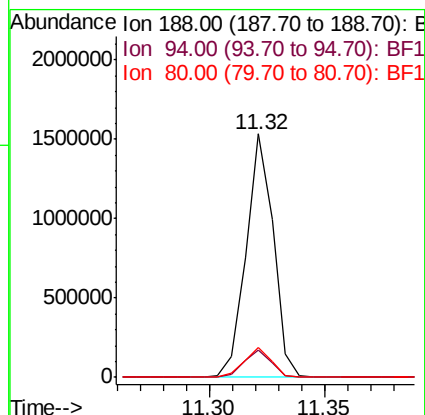
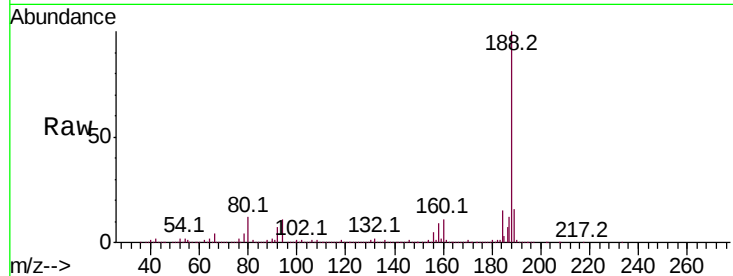




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

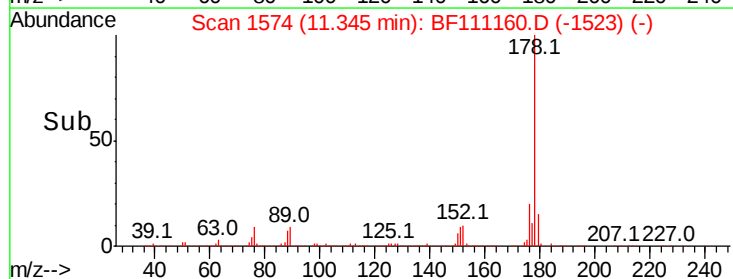
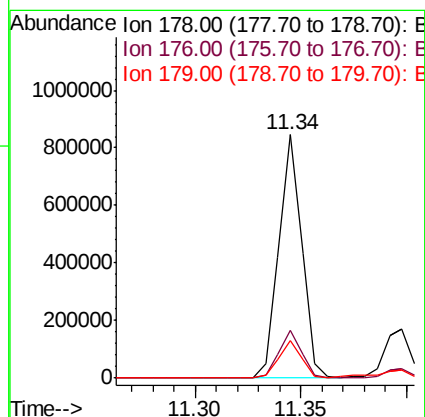
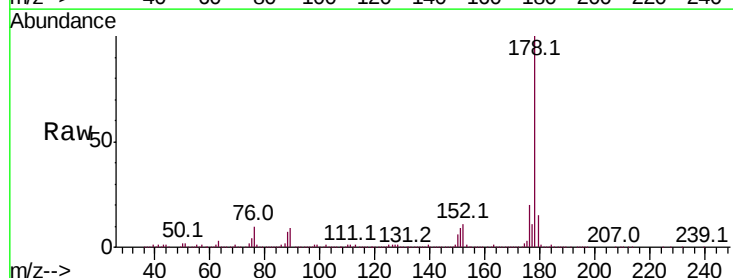
Instrument :
BNA_F
ClientSampleId :

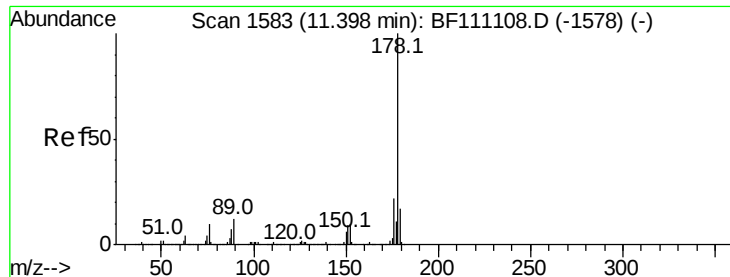
Tot Ion:188 Resp: 1261901
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.3 9.0 13.6



#71
Phenanthrene
Concen: 10.517 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion:178 Resp: 638371
Ion Ratio Lower Upper
178 100
176 19.6 17.7 26.5
179 15.2 14.0 21.0





#72

Anthracene

Concen: 2.340 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampled :

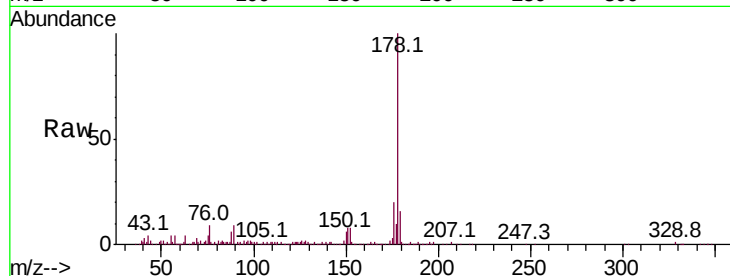
Tot Ion:178 Resp: 143186

Ion Ratio Lower Upper

178 100

176 19.9 17.3 25.9

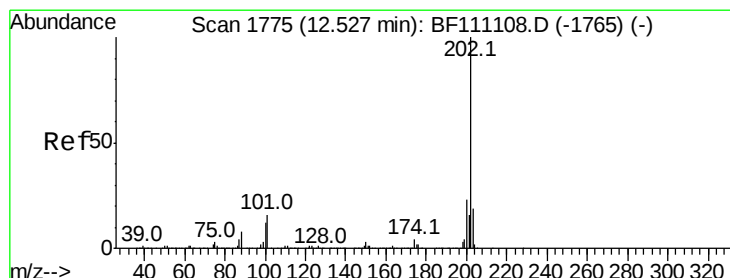
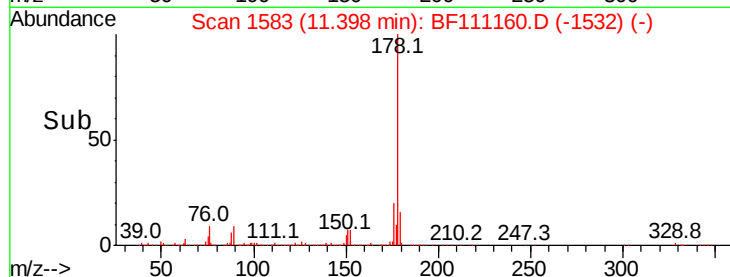
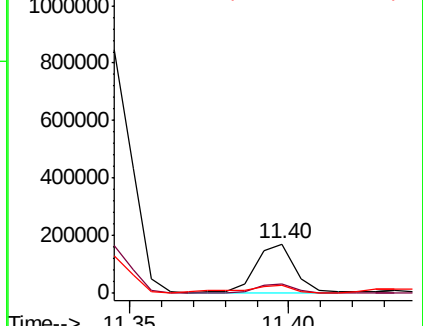
179 15.9 13.8 20.8



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: 16.267 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

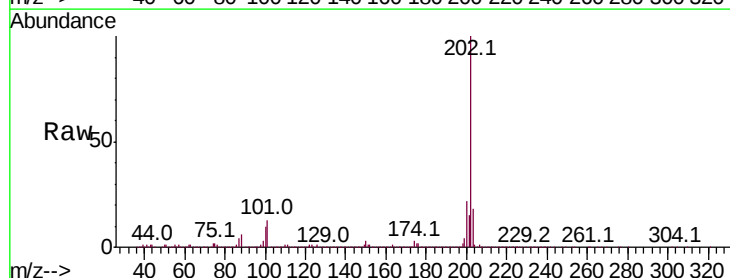
Tgt Ion:202 Resp: 966203

Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.8

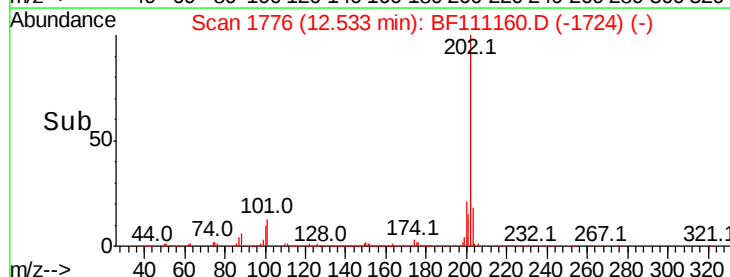
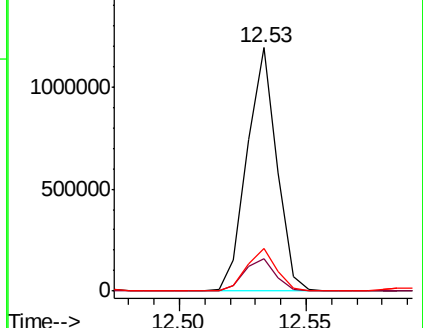
203 17.7 0.0 38.6

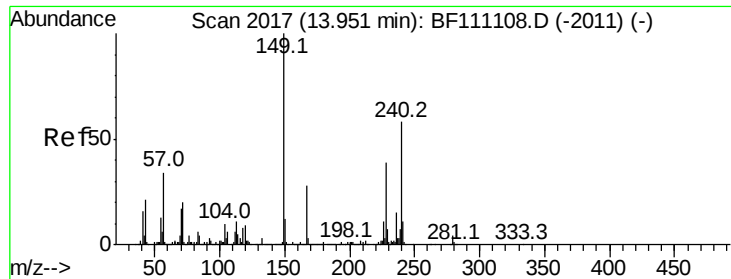


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

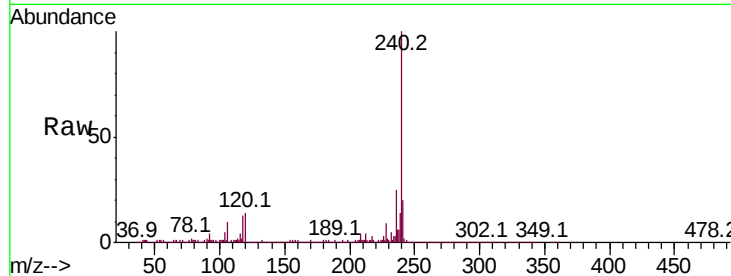
Tot Ion:240 Resp: 1013483

Ion Ratio Lower Upper

240 100

120 14.4 12.8 19.2

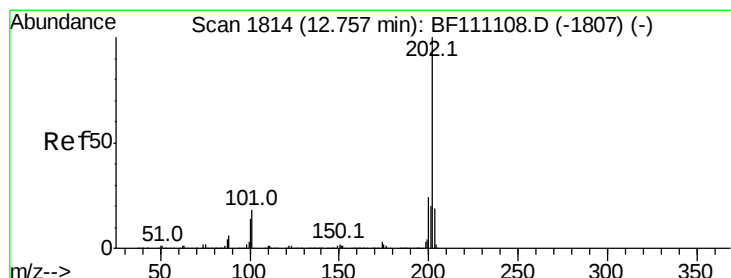
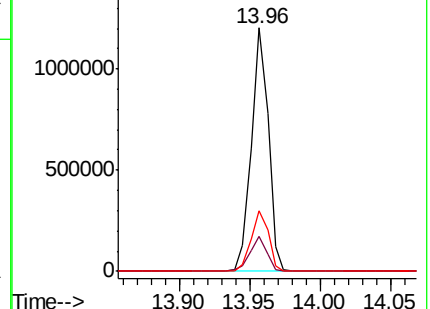
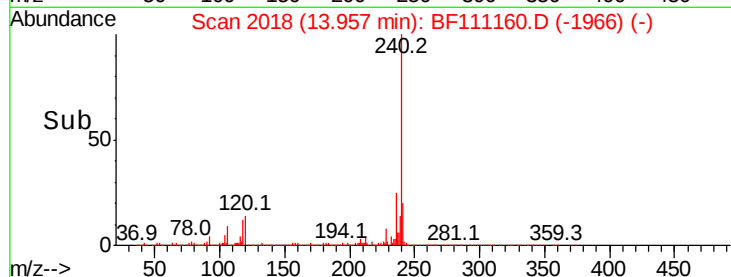
236 25.1 21.1 31.7



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

Pyrene

Concen: 12.070 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

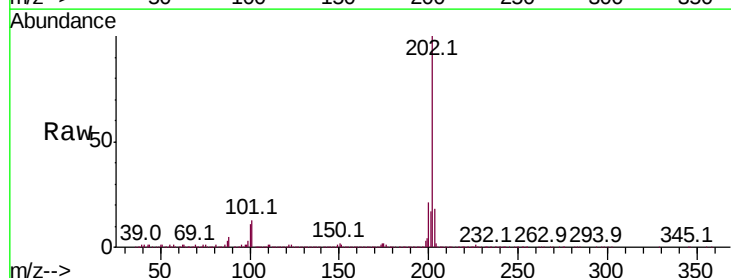
Tgt Ion:202 Resp: 952985

Ion Ratio Lower Upper

202 100

200 21.4 19.3 28.9

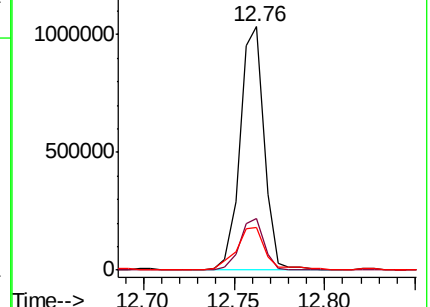
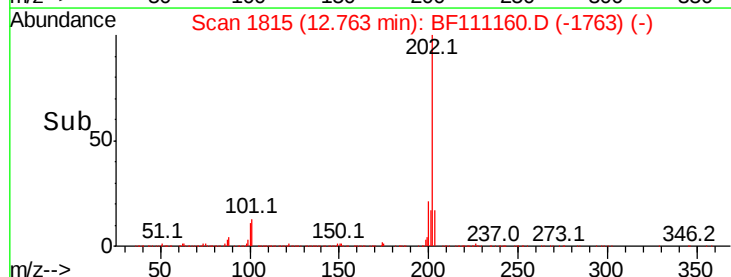
203 17.5 15.4 23.2

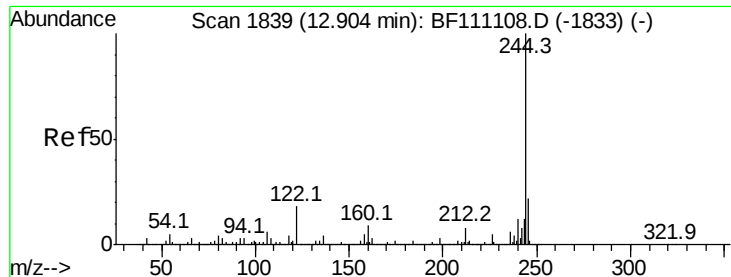


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 24.668 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

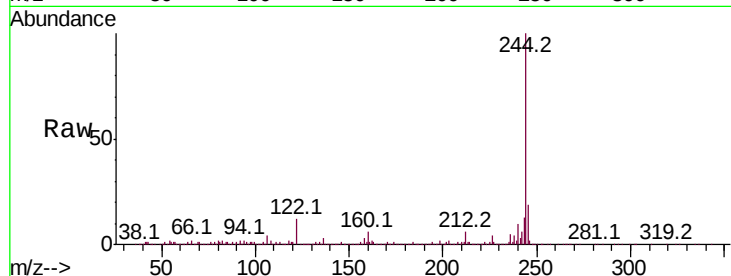
Tot Ion:244 Resp: 1220731

Ion Ratio Lower Upper

244 100

212 6.1 6.6 9.8#

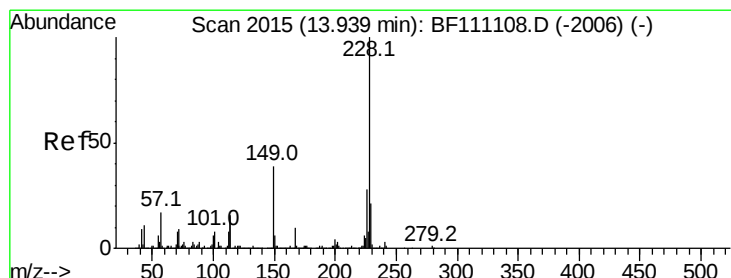
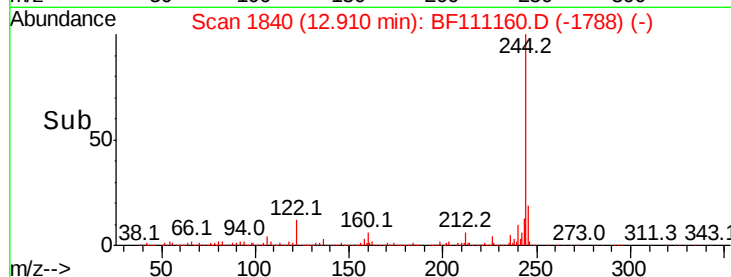
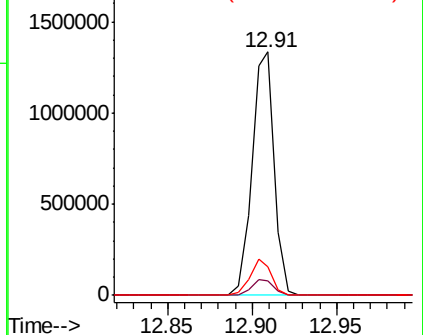
122 11.8 14.2 21.2#



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: 6.693 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

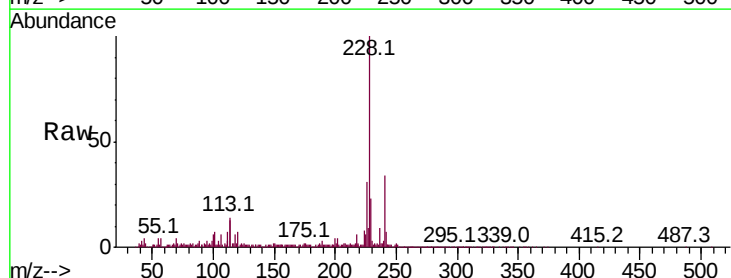
Tgt Ion:228 Resp: 397439

Ion Ratio Lower Upper

228 100

226 31.0 22.6 34.0

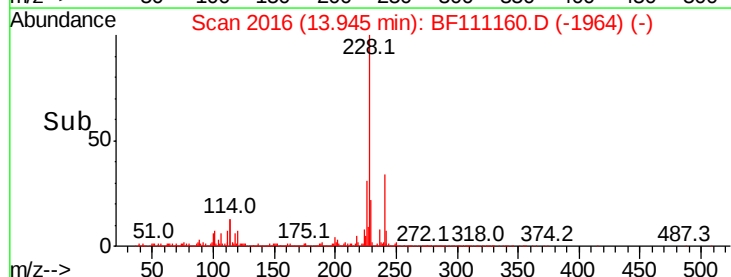
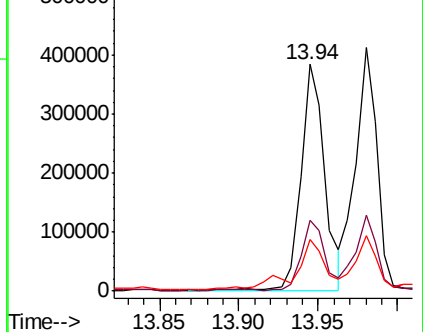
229 22.5 16.7 25.1

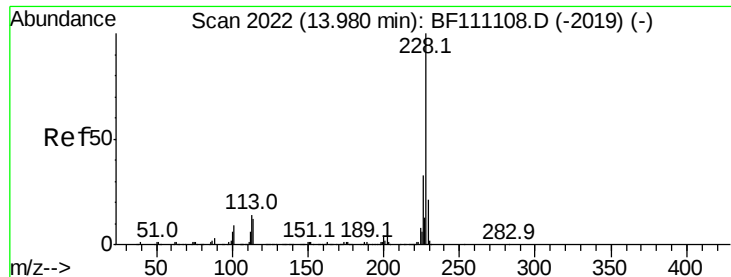


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

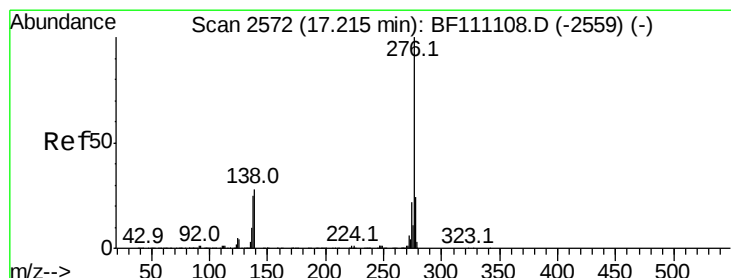
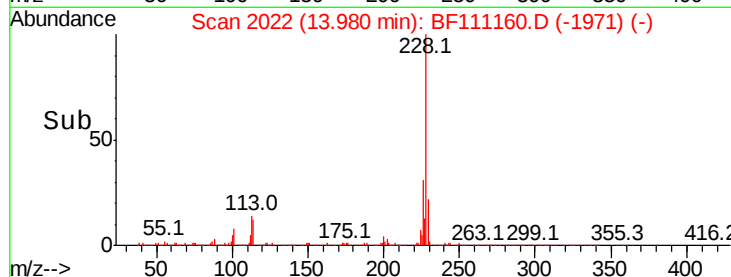
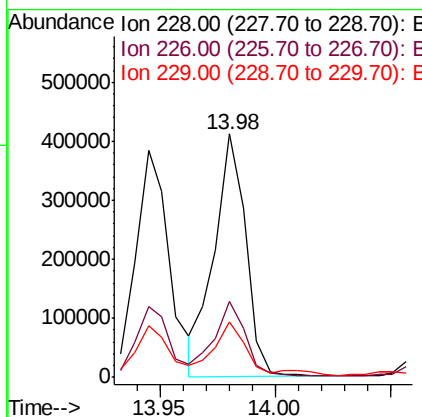
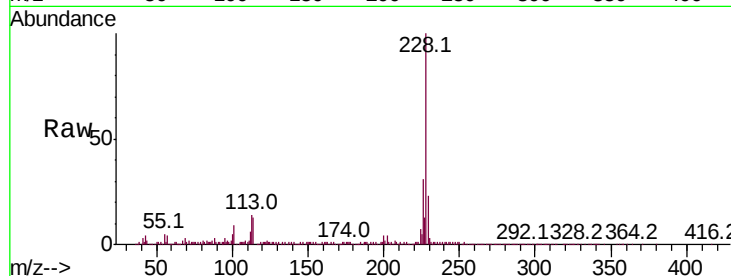




#83
Chrysene
Concen: 6.592 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

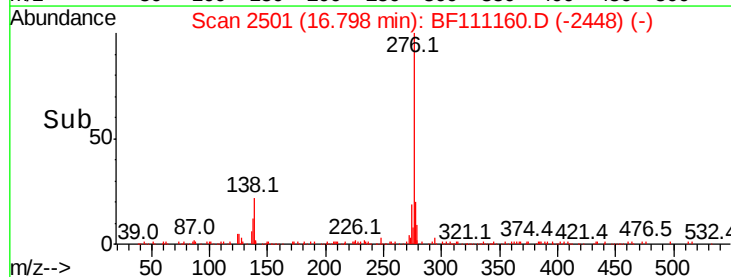
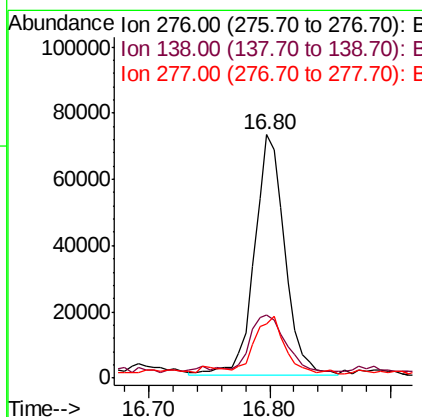
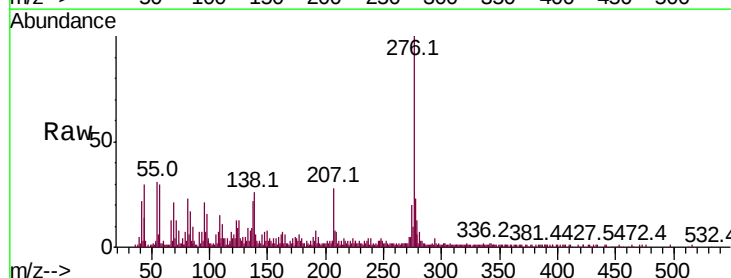
Instrument :
BNA_F
ClientSampleId :

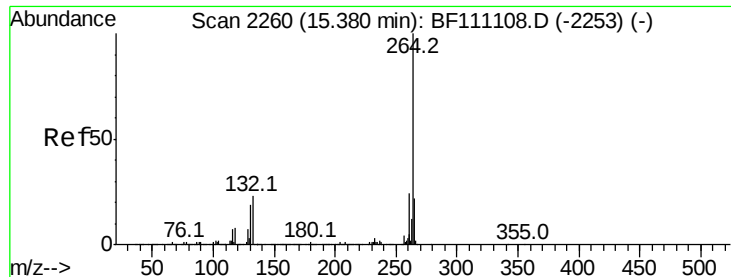
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	26.2	39.2
229	22.9	16.9	25.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.697 ng
RT: 16.80 min Scan# 2501
Delta R.T. 0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	20.2	30.4
277	24.9	15.8	23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

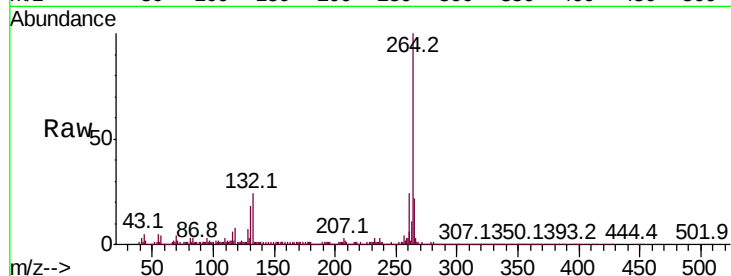
Tot Ion:264 Resp: 773020

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

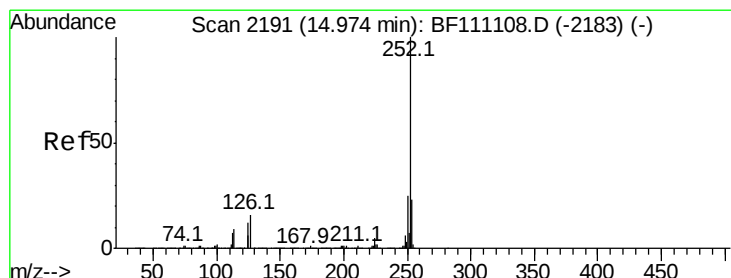
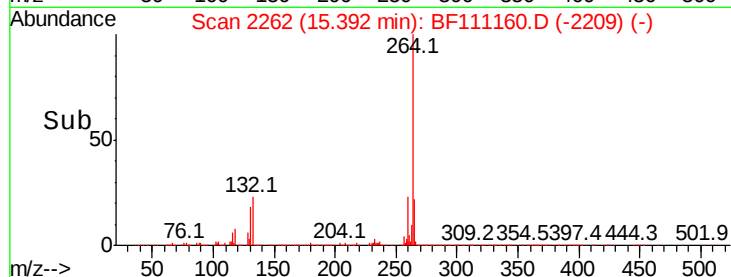
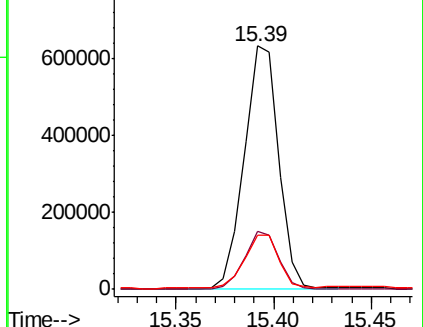
265 22.0 17.4 26.0



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: 11.776 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

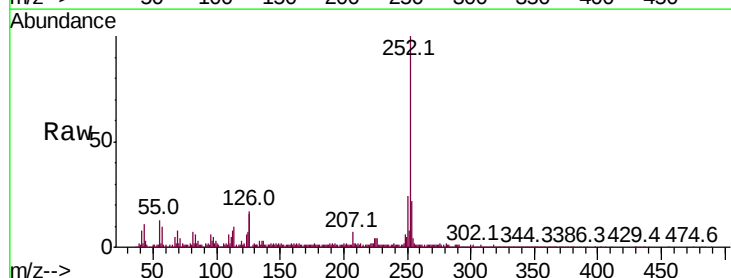
Tgt Ion:252 Resp: 515805

Ion Ratio Lower Upper

252 100

253 22.3 18.5 27.7

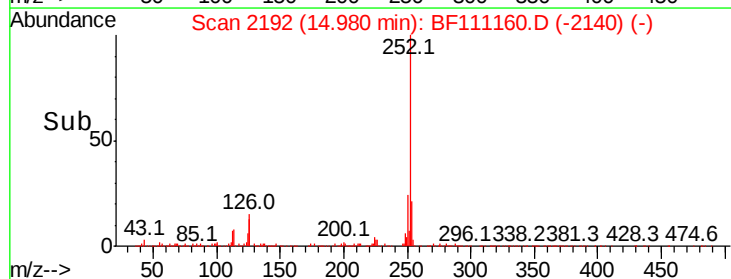
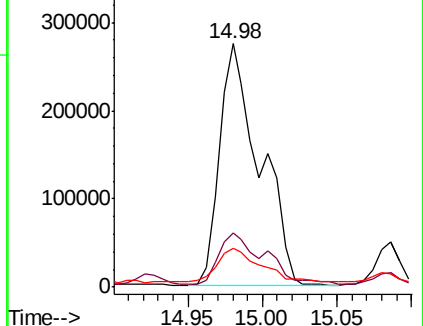
125 15.8 9.9 14.9#

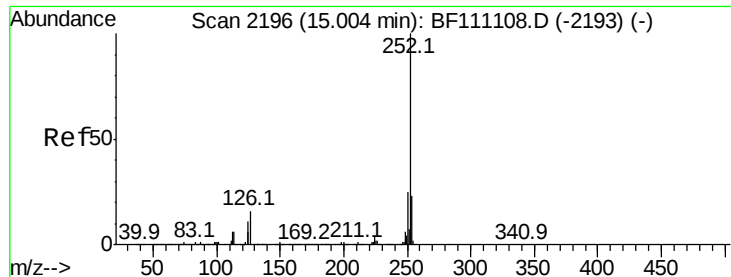


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

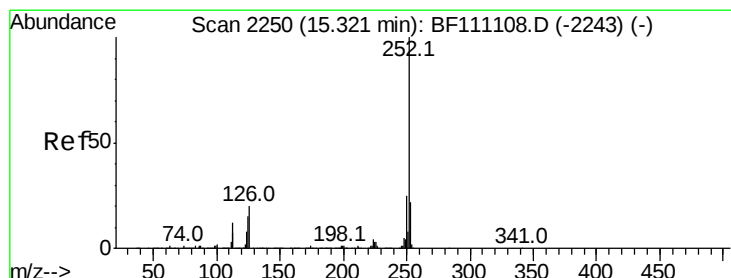
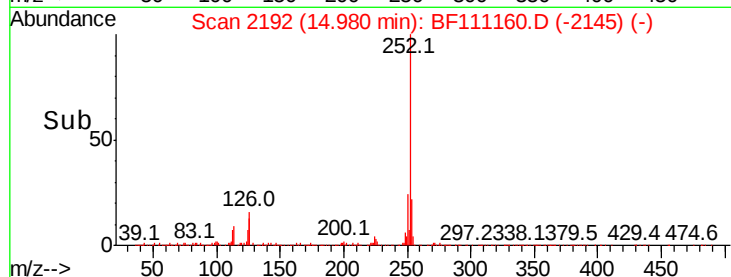
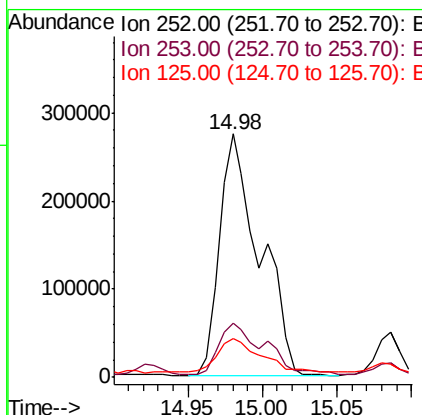
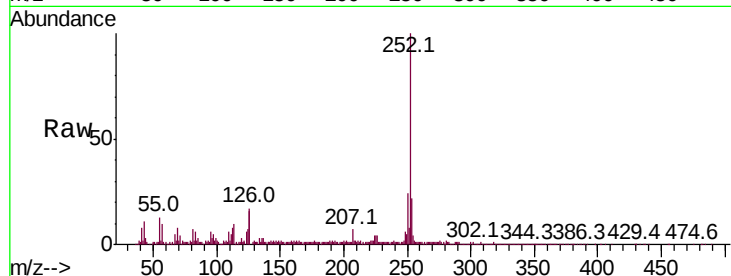




#89
Benzo(k)fluoranthene
Concen: 12.181 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

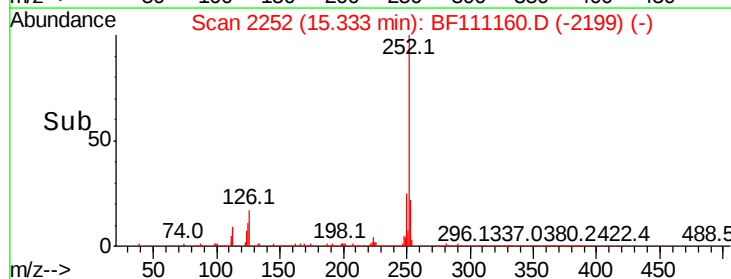
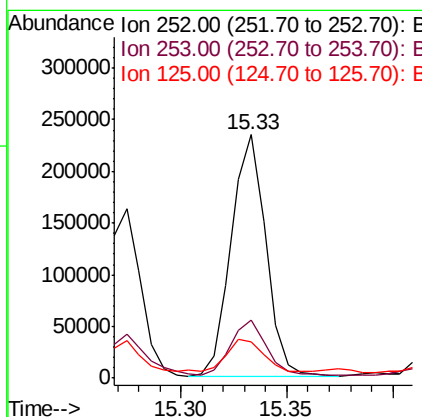
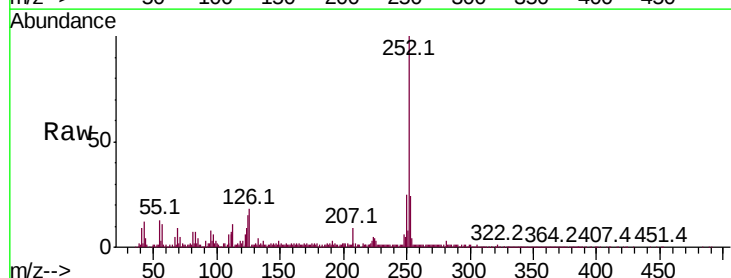
Instrument :
BNA_F
ClientSampleId :

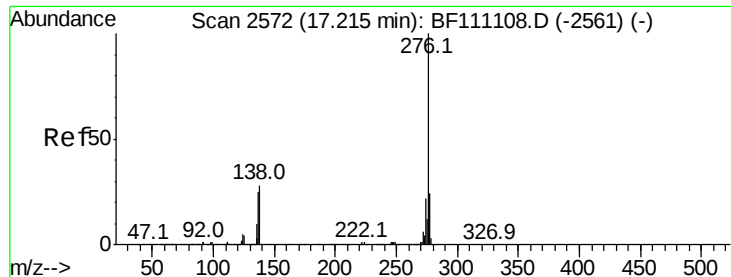
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	15.8	9.9	14.9#



#90
Benzo(a)pyrene
Concen: 6.580 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.7	12.4	18.6





#92

Benzo(a,h,i)perylene

Concen: 3.580 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.3	28.9
138	34.1	22.3	33.5

