

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111161.D
 Acq On : 7 Dec 2018 1:49
 Operator : JU/SJ
 Sample : J6194-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 07:32:00 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	531045	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2029419	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	860581	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1156126	20.00	ng	0.00
76) Chrysene-d12	13.96	240	987071	20.00	ng	0.00
87) Perylene-d12	15.40	264	707989	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1629929	47.89	ng	0.00
7) Phenol-d6	6.43	99	2051635	46.80	ng	0.00
23) Nitrobenzene-d5	7.36	82	1232284	35.95	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	295311	43.17	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1992621	34.28	ng	0.00
79) Terphenyl-d14	12.91	244	1226409	25.45	ng	0.00

Target Compounds

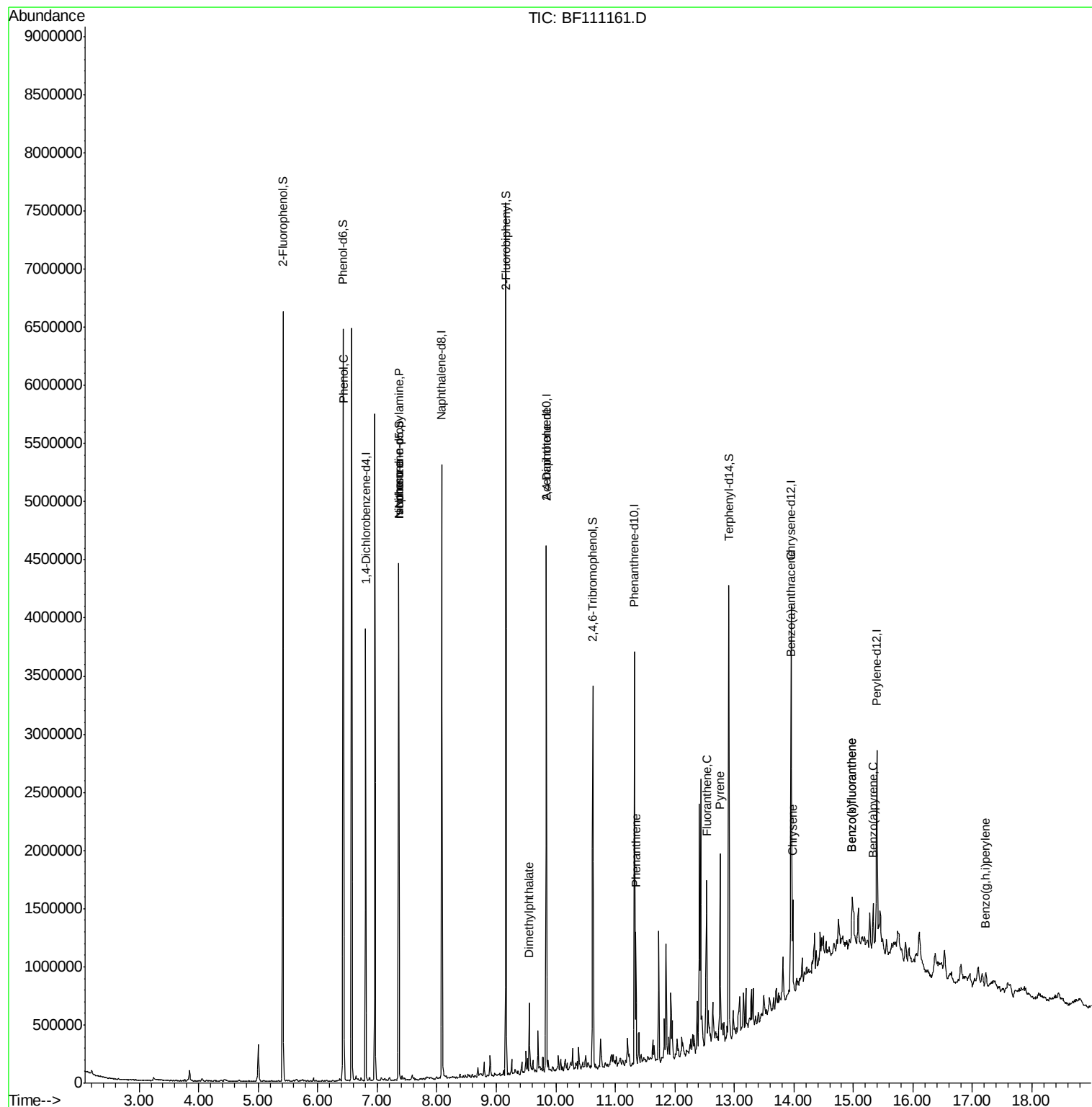
						Qvalue
9) Benzaldehyde	6.43	77	4748	Below Cal	#	1
10) Phenol	6.44	94	145033	3.034	ng	99
19) n-Nitroso-di-n-propylamine	7.36	70	170801	5.798	ng	# 70
25) Isophorone	7.36	82	1227423	19.511	ng	# 65
50) Dimethylphthalate	9.56	163	213043	3.557	ng	96
57) 2,4-Dinitrotoluene	9.84	165	113657	6.930	ng	# 23
71) Phenanthrene	11.35	178	356790	6.416	ng	95
75) Fluoranthene	12.53	202	506214	9.302	ng	95
77) Benzidine	12.65	184	3187	Below Cal	#	1
78) Pyrene	12.76	202	658102	8.558	ng	95
81) Benzo(a)anthracene	13.94	228	290169	5.017	ng	# 90
83) Chrysene	13.98	228	283534	4.939	ng	94
88) Benzo(b)fluoranthene	14.98	252	312600	7.792	ng	# 92
89) Benzo(k)fluoranthene	14.98	252	312600	8.060	ng	# 92
90) Benzo(a)pyrene	15.33	252	180507	4.905	ng	96
92) Benzo(g,h,i)perylene	17.23	276	98298	3.168	ng	97

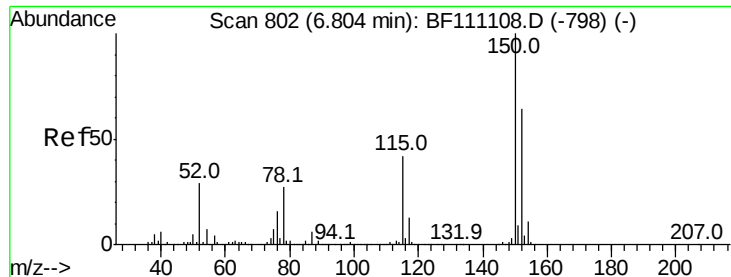
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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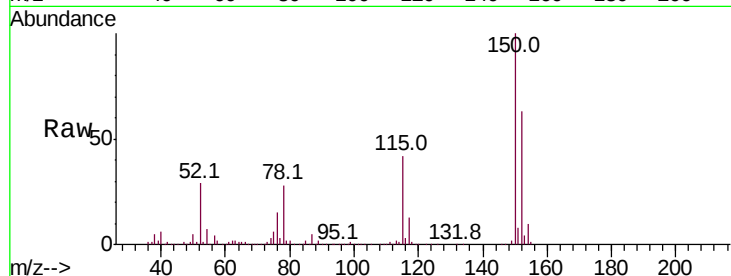


#1

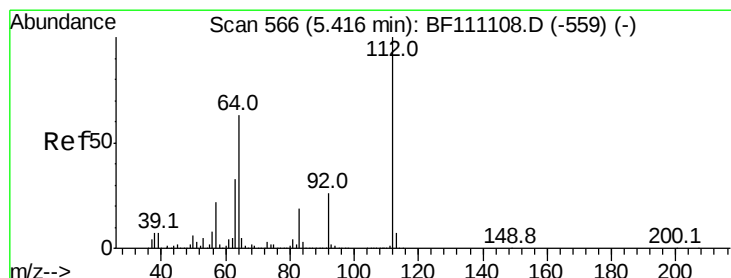
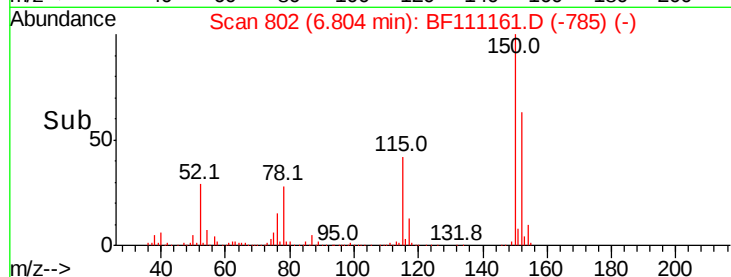
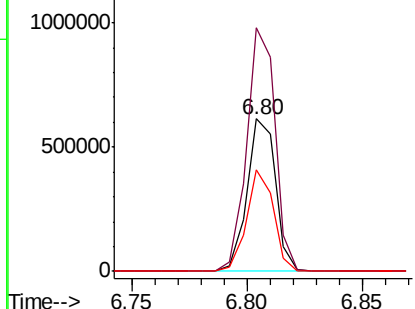
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 531045
Ion Ratio Lower Upper
152 100
150 159.5 124.6 187.0
115 66.7 52.2 78.2



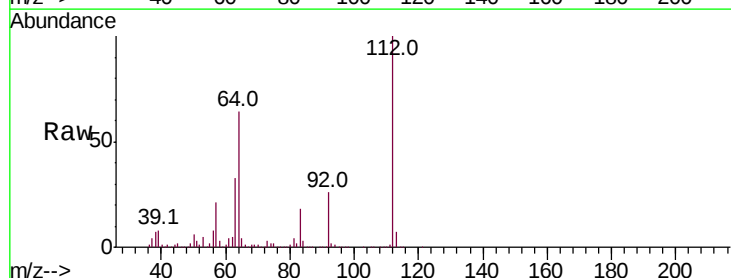
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



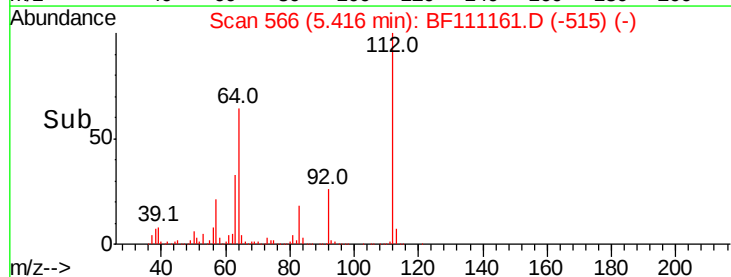
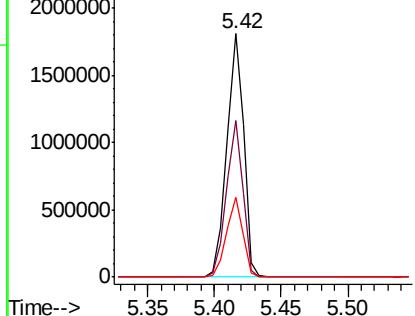
#5

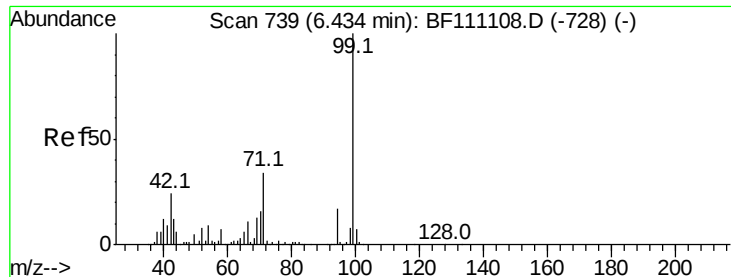
2-Fluorophenol
Concen: 47.895 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion:112 Resp: 1629929
Ion Ratio Lower Upper
112 100
64 64.3 50.2 75.4
63 32.7 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: 46.800 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

Instrument :

BNA_F

ClientSampled :

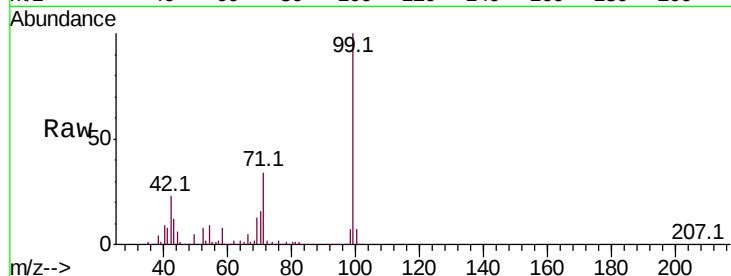
Tot Ion: 99 Resp: 2051635

Ion Ratio Lower Upper

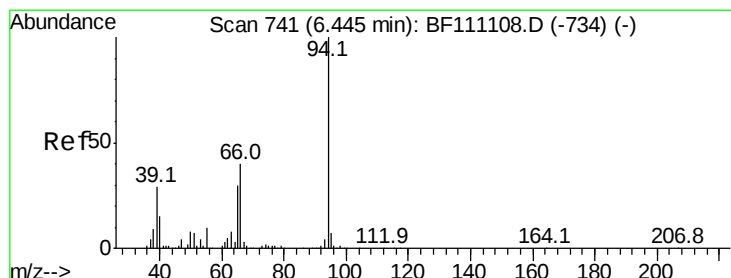
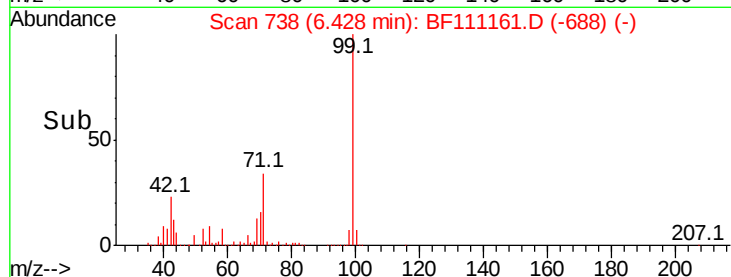
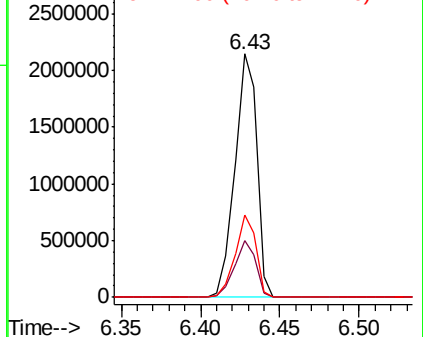
99 100

42 23.4 19.3 28.9

71 33.9 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: 3.034 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

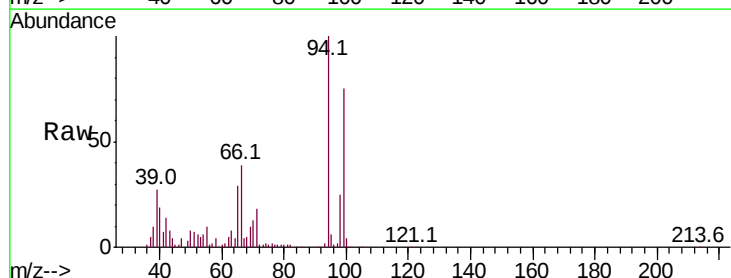
Tgt Ion: 94 Resp: 145033

Ion Ratio Lower Upper

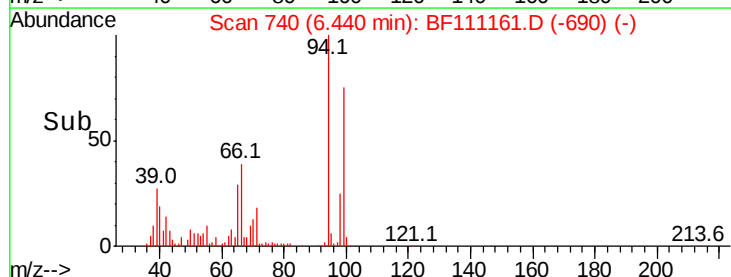
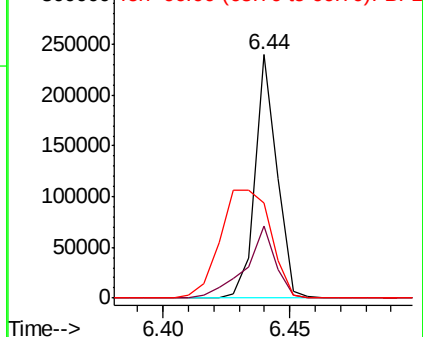
94 100

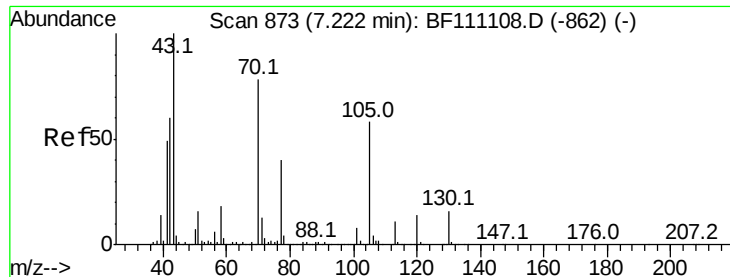
65 29.4 10.5 50.5

66 39.2 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

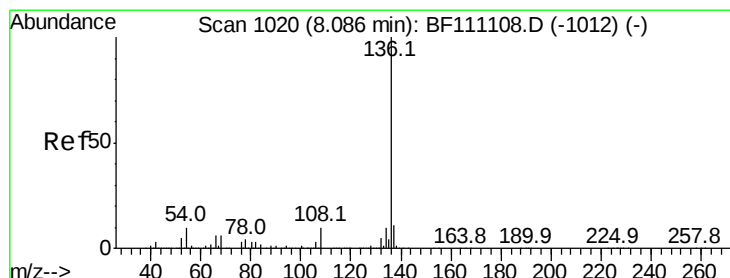
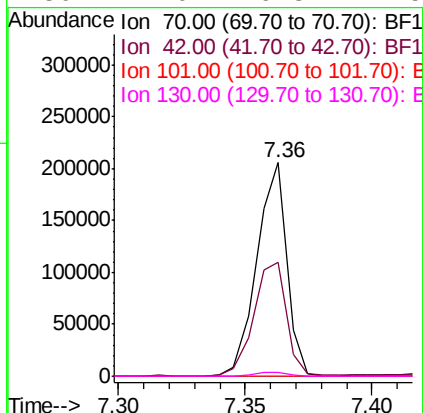
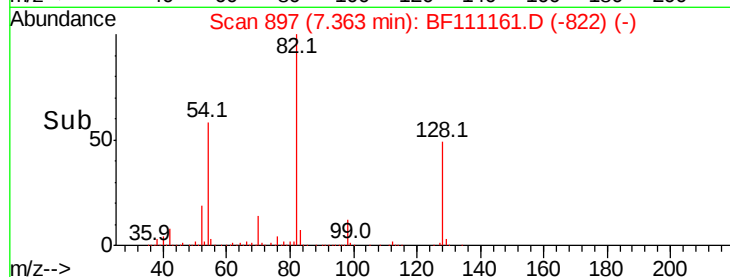
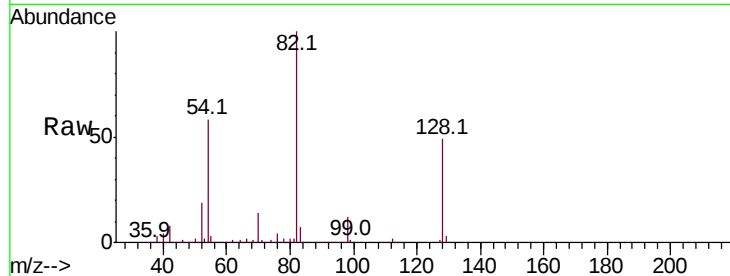




#19
n-Nitroso-di-n-propylamine
Concen: 5.798 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

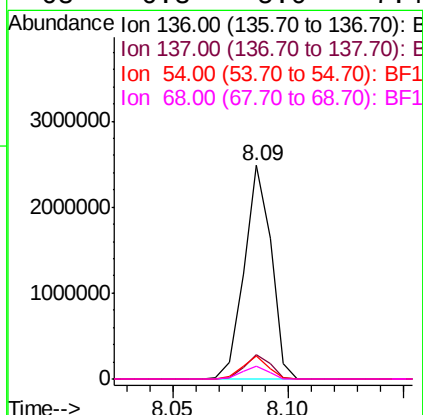
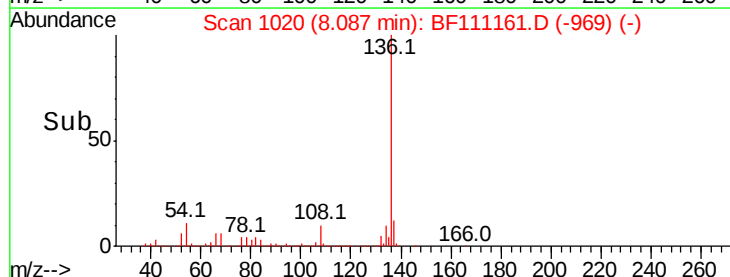
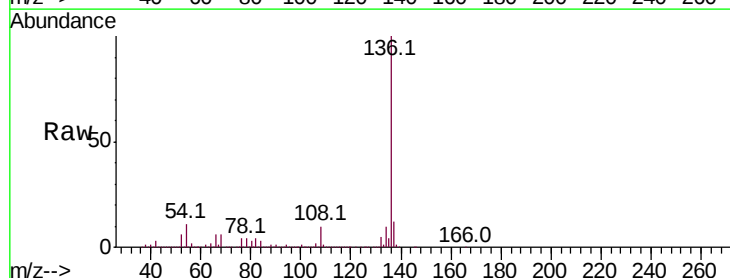
Instrument :
BNA_F
ClientSampleId :

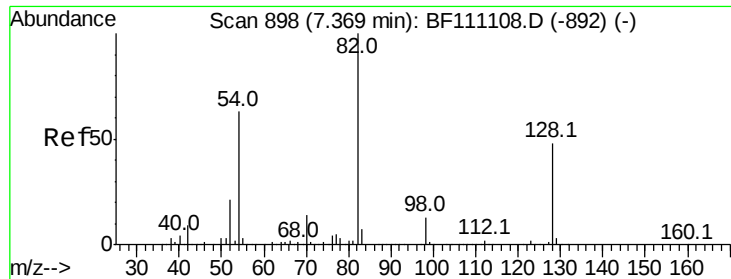
Tot Ion: 70 Resp: 170801
Ion Ratio Lower Upper
70 100
42 53.1 61.3 91.9#
101 0.0 7.7 11.5#
130 2.0 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion:136 Resp: 2029419
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.6 8.4 12.6
68 6.3 5.0 7.4

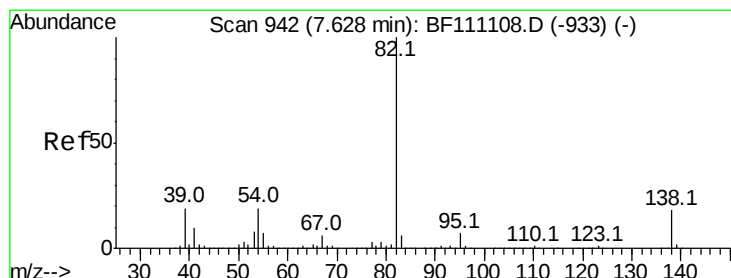
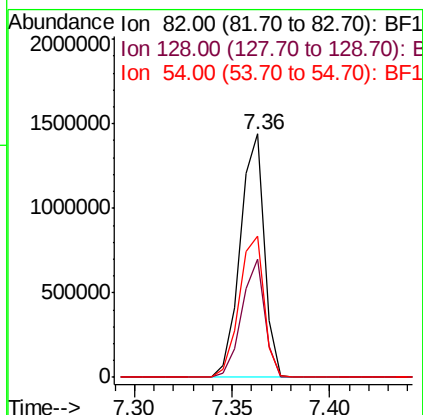
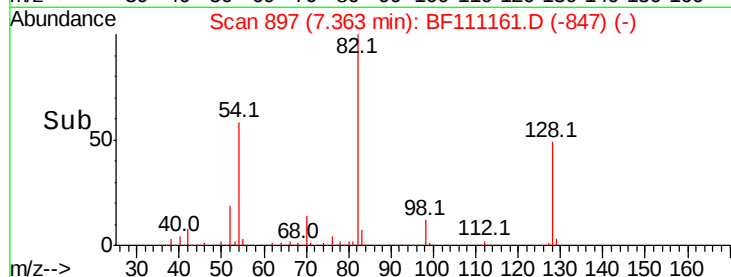
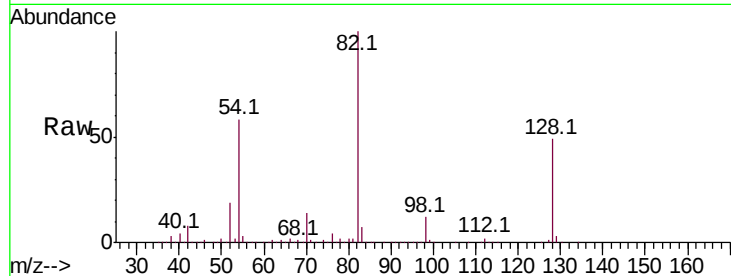




#23
Nitrobenzene-d5
Concen: 35.949 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

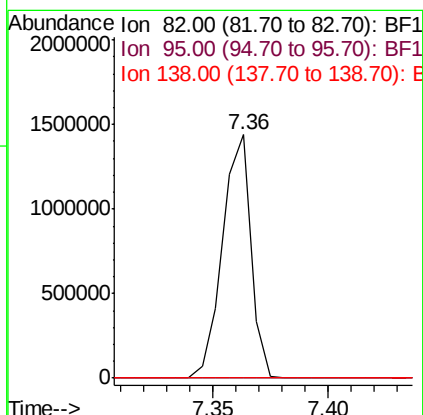
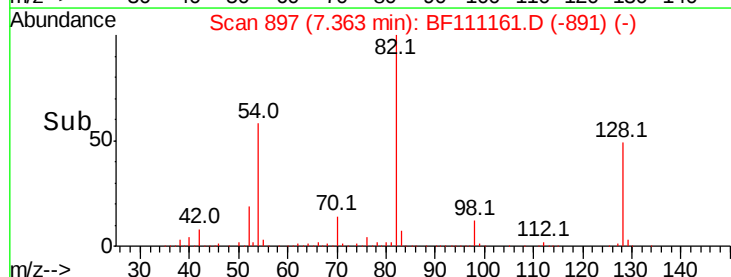
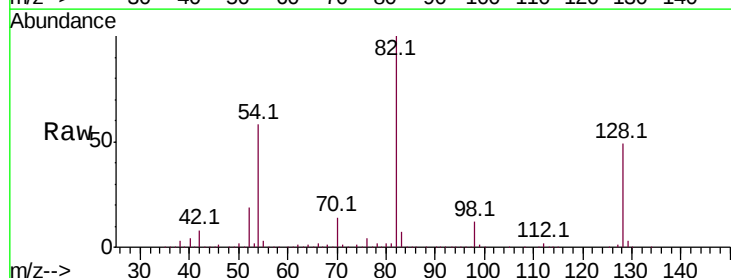
Instrument :
BNA_F
ClientSampleId :

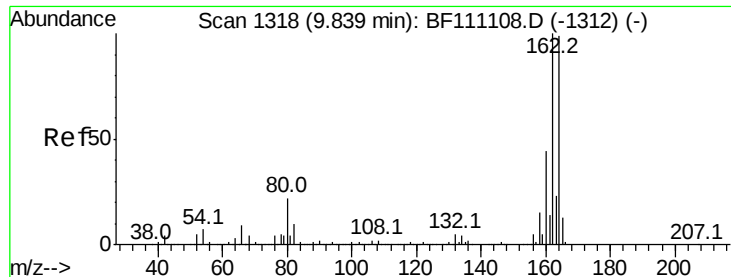
Tot Ion: 82 Resp: 1232284
Ion Ratio Lower Upper
82 100
128 48.7 38.1 57.1
54 58.0 50.3 75.5



#25
Isophorone
Concen: 19.511 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion: 82 Resp: 1227423
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#

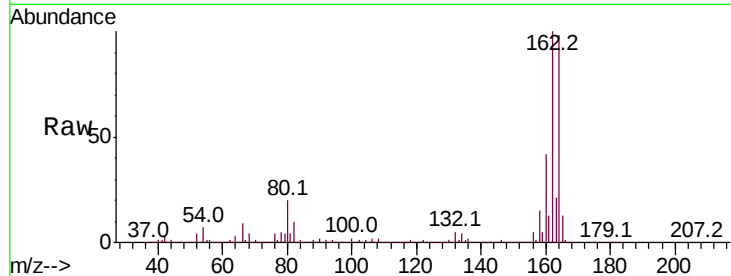




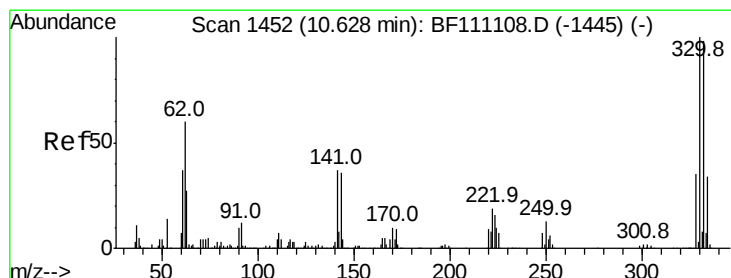
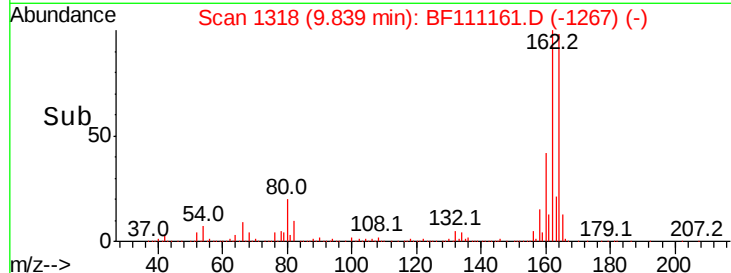
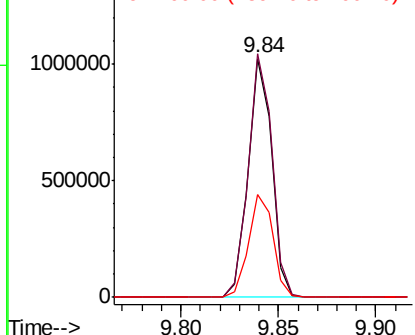
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.6	120.8
160	43.3	35.5	53.3

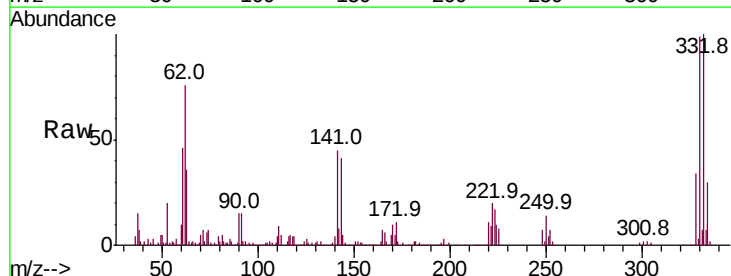


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

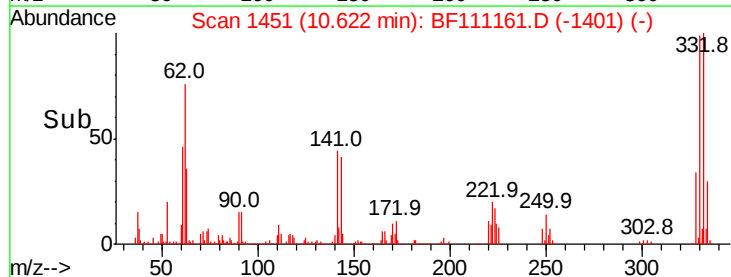
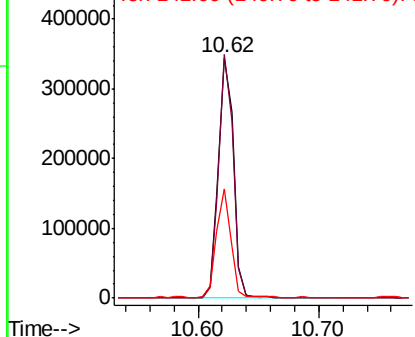


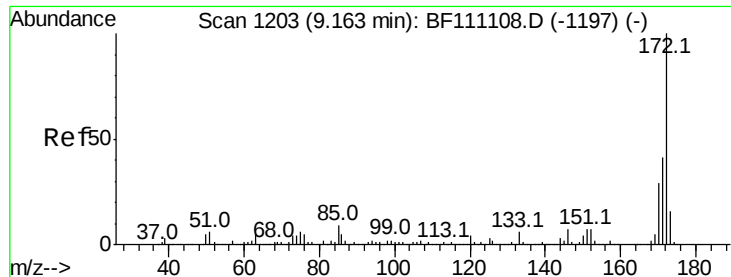
#42
2,4,6-Tribromophenol
Concen: 43.170 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.2	115.8
141	43.2	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

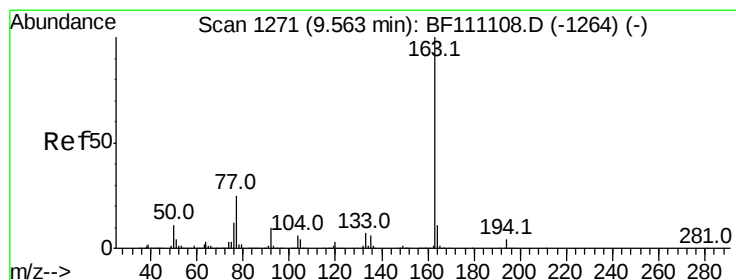
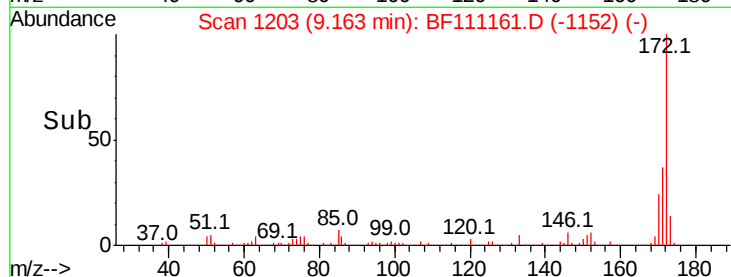
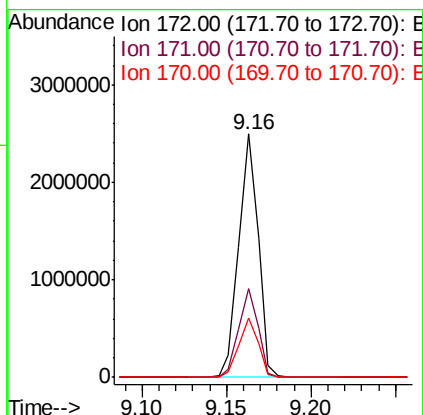
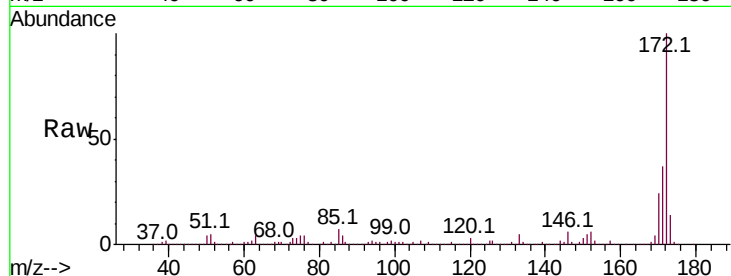




#45
2-Fluorobiphenyl
Concen: 34.283 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

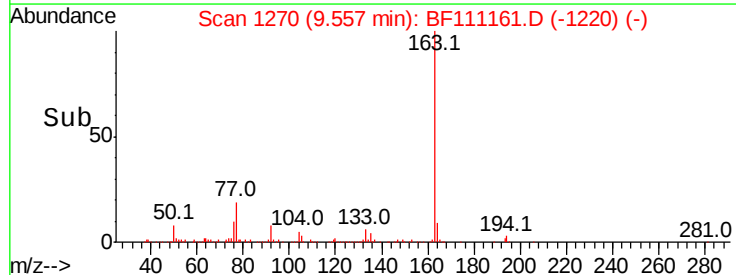
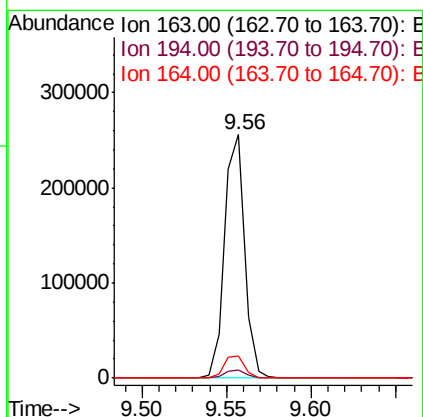
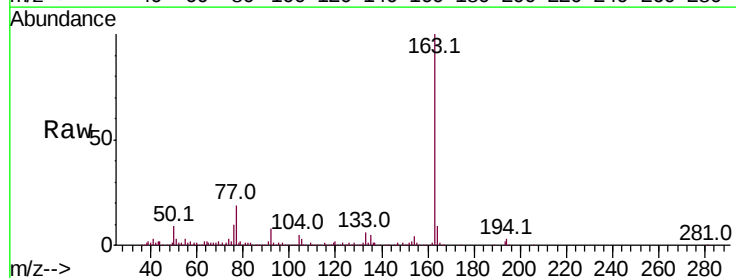
Instrument :
BNA_F
ClientSampleId :

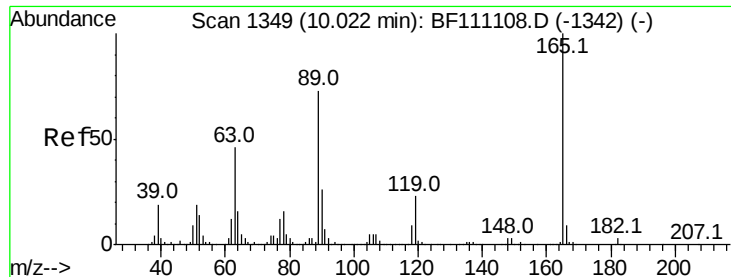
Tot Ion:172 Resp: 1992621
Ion Ratio Lower Upper
172 100
171 36.7 33.2 49.8
170 24.4 22.9 34.3



#50
Dimethylphthalate
Concen: 3.557 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion:163 Resp: 213043
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.1 8.9 13.3

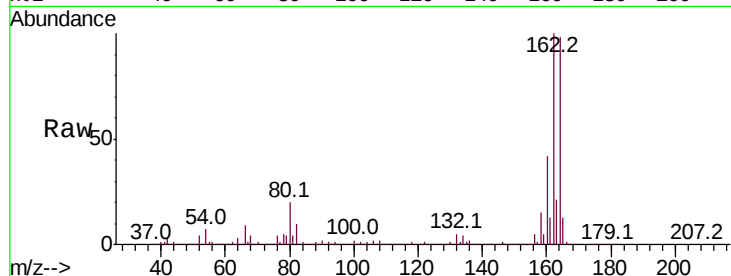




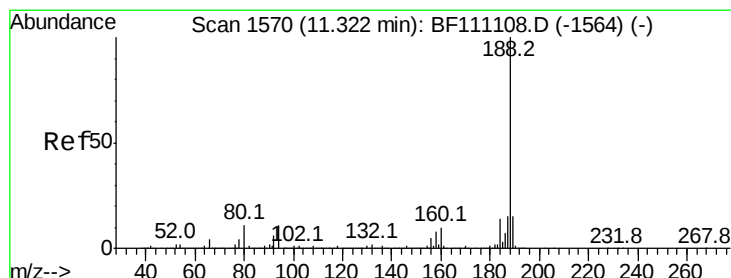
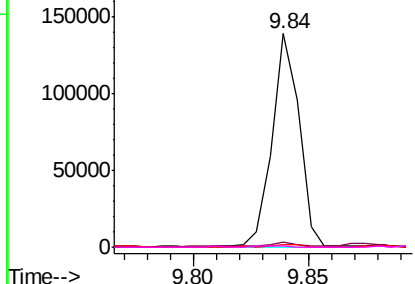
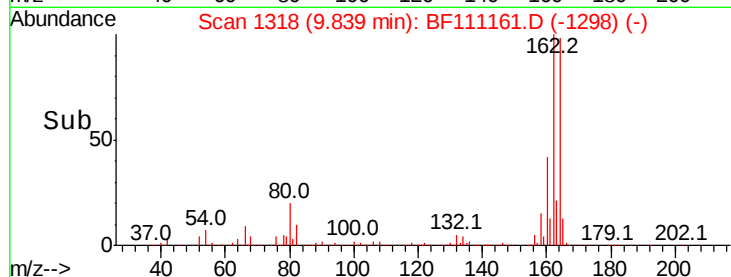
#57
 2,4-Dinitrotoluene
 Concen: 6.930 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.18 min
 Lab File: BF111161.D
 Acq: 7 Dec 2018 1:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.7	55.1#
89	1.0	58.4	87.6#
182	0.4	2.1	3.1#

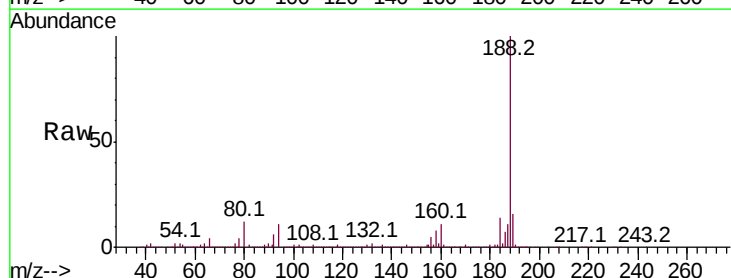


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

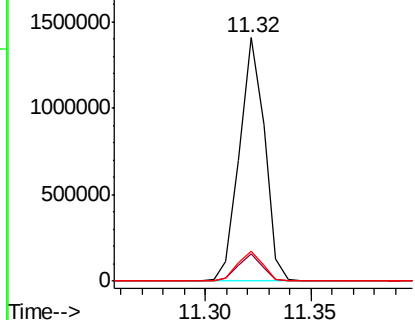
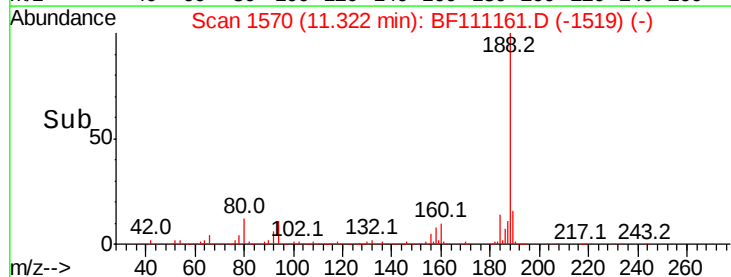


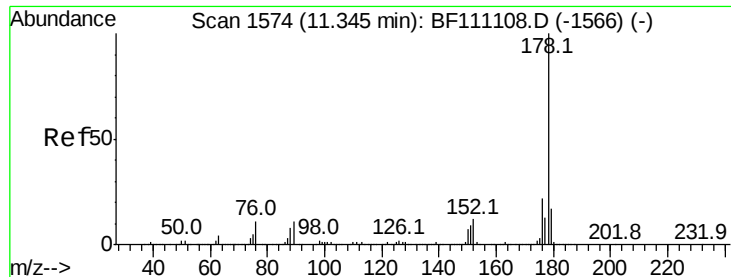
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF111161.D
 Acq: 7 Dec 2018 1:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.3	9.0	13.6



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





#71

Phenanthrene

Concen: 6.416 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

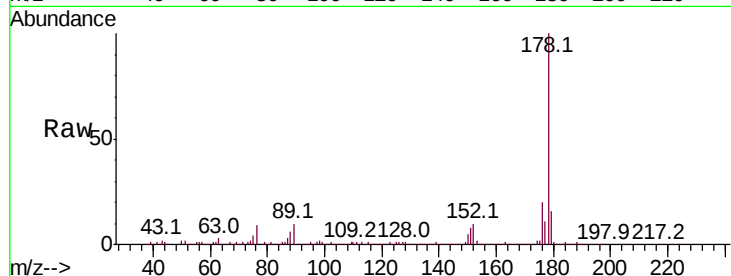
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 356790

Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.7	26.5
179	15.9	14.0	21.0

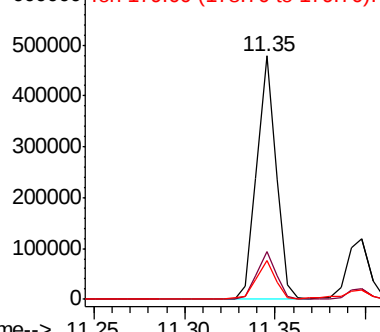


Abundance

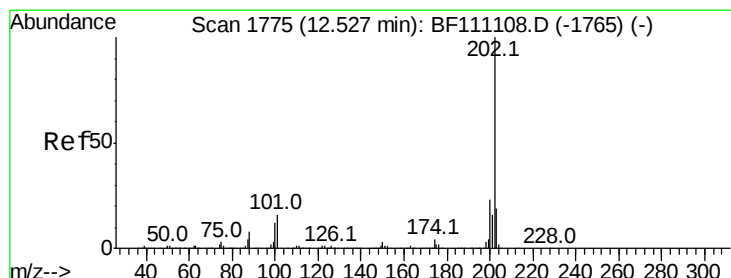
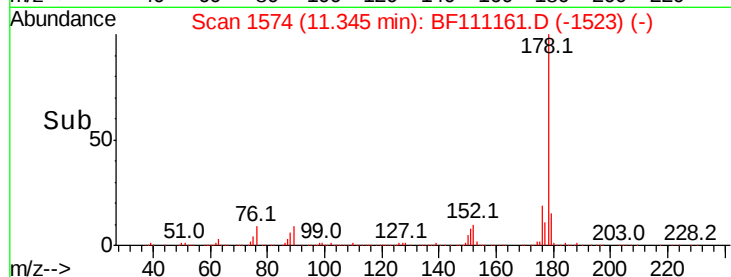
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.25 11.30 11.35



#75

Fluoranthene

Concen: 9.302 ng

RT: 12.53 min Scan# 1776

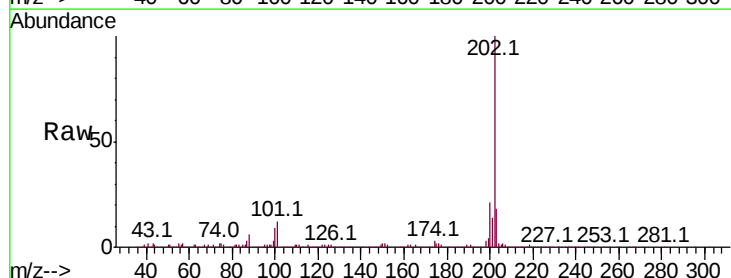
Delta R.T. 0.01 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

Tgt Ion:202 Resp: 506214

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	35.8
203	17.6	0.0	38.6

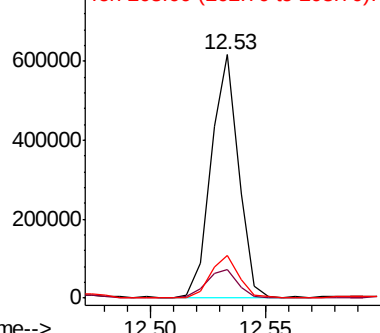


Abundance

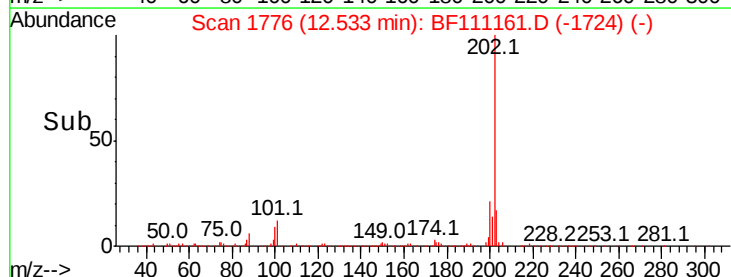
Ion 202.00 (201.70 to 202.70): E

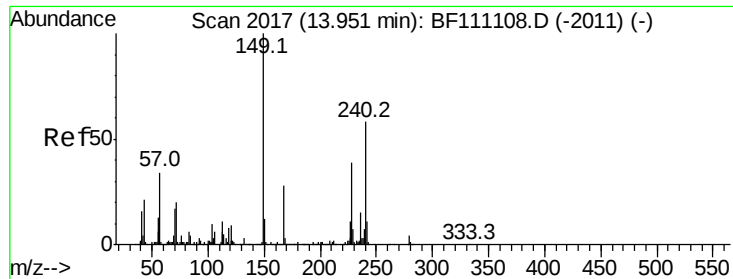
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.50 12.55

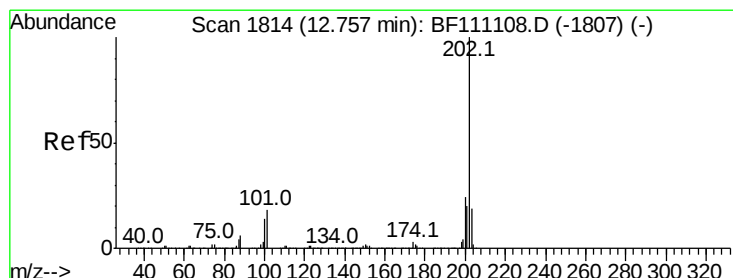
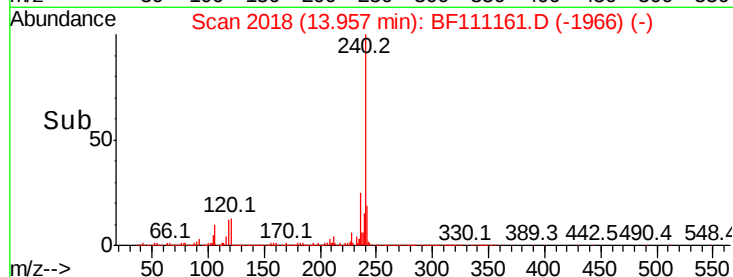
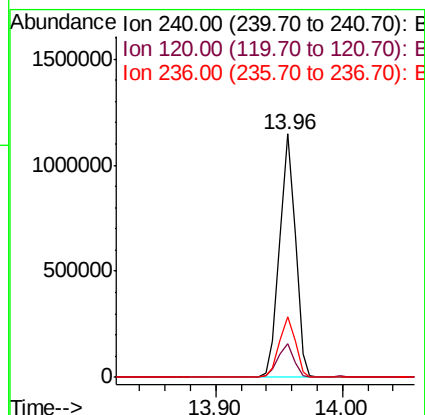
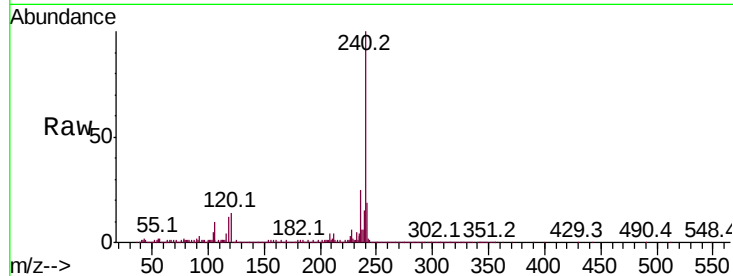




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

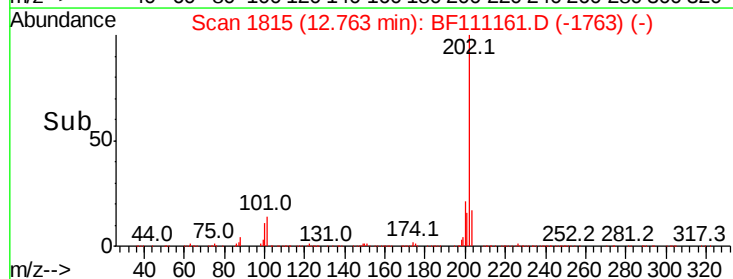
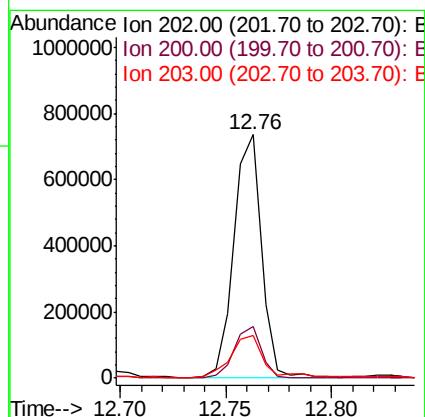
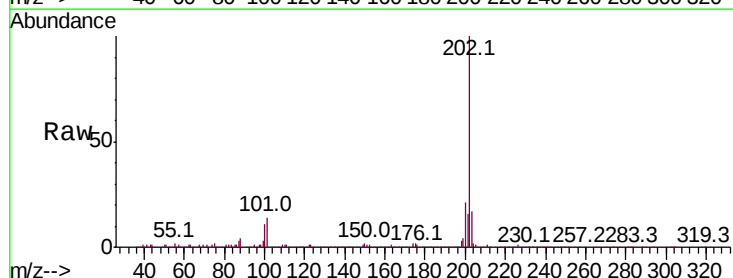
Instrument :
BNA_F
ClientSampleId :

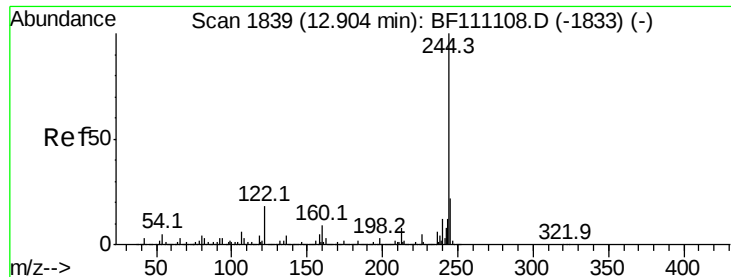
Tot Ion:240 Resp: 987071
Ion Ratio Lower Upper
240 100
120 13.6 12.8 19.2
236 25.0 21.1 31.7



#78
Pyrene
Concen: 8.558 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion:202 Resp: 658102
Ion Ratio Lower Upper
202 100
200 21.1 19.3 28.9
203 17.3 15.4 23.2

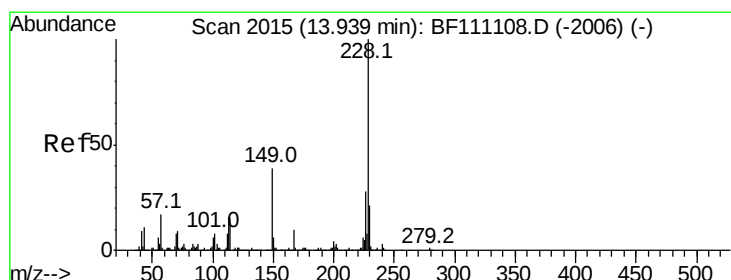
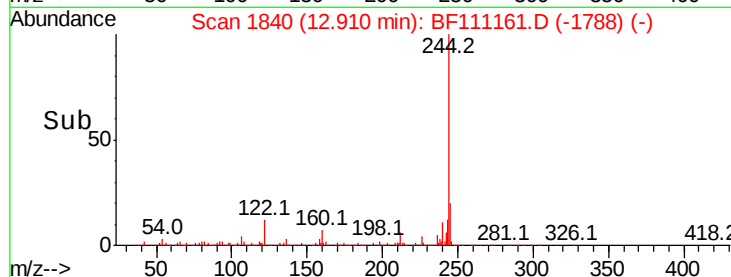
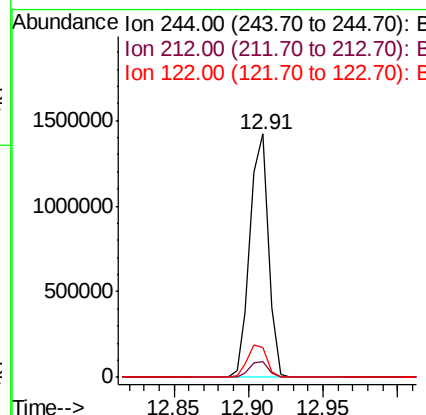
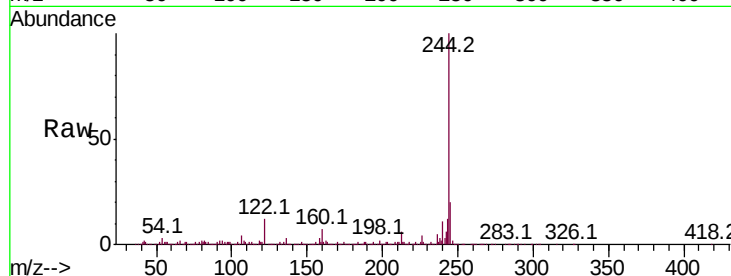




#79
 Terphenyl-d14
 Concen: 25.446 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111161.D
 Acq: 7 Dec 2018 1:49

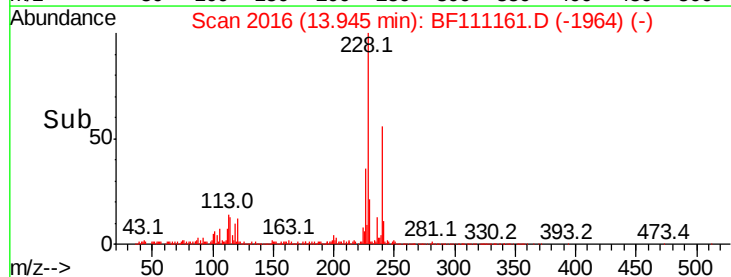
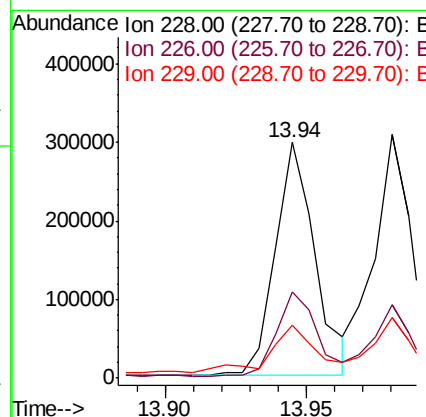
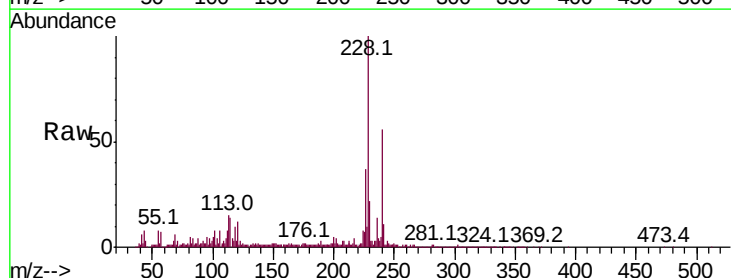
Instrument :
 BNA_F
 ClientSampleId :

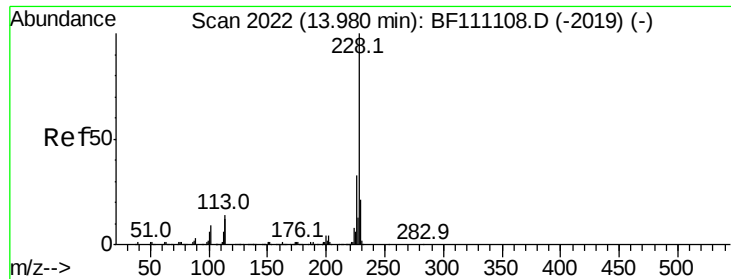
Tot Ion:244 Resp: 1226409
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.6 9.8#
 122 12.4 14.2 21.2#



#81
 Benzo(a)anthracene
 Concen: 5.017 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF111161.D
 Acq: 7 Dec 2018 1:49

Tgt Ion:228 Resp: 290169
 Ion Ratio Lower Upper
 228 100
 226 36.8 22.6 34.0#
 229 22.2 16.7 25.1

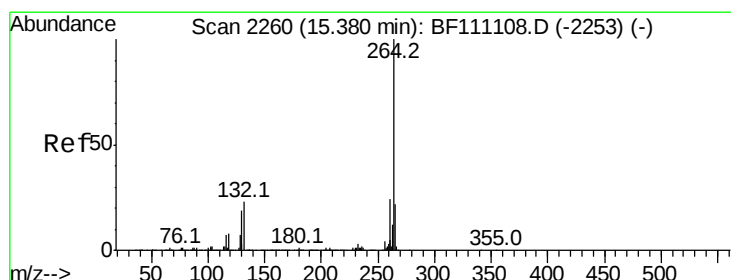
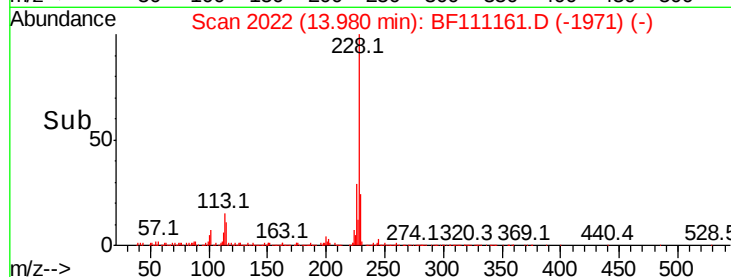
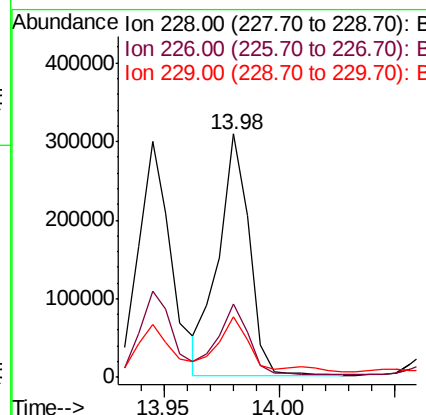
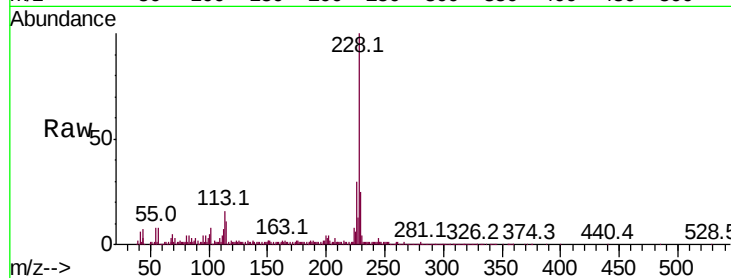




#83
Chrysene
Concen: 4.939 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

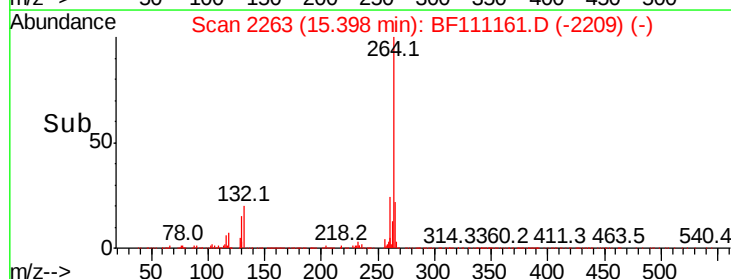
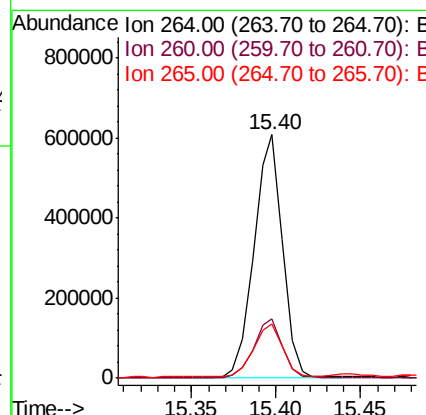
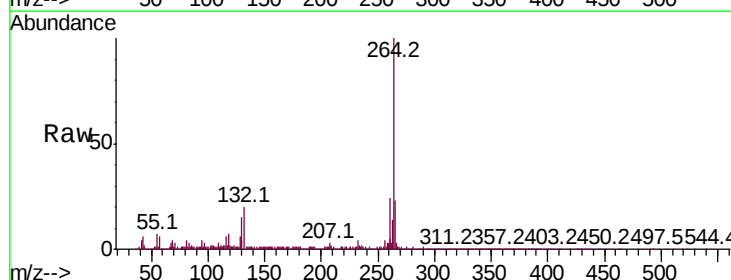
Instrument :
BNA_F
ClientSampleId :

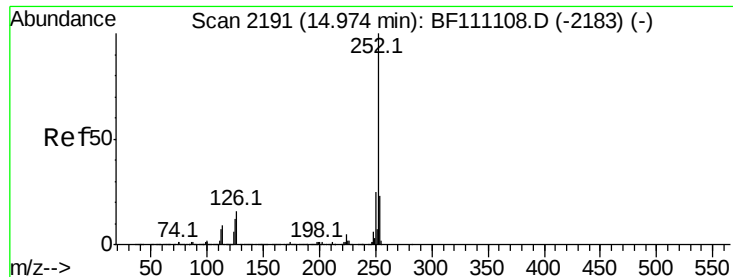
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.2	39.2
229	25.1	16.9	25.3



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF111161.D
Acq: 7 Dec 2018 1:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.5	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 7.792 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111161.D

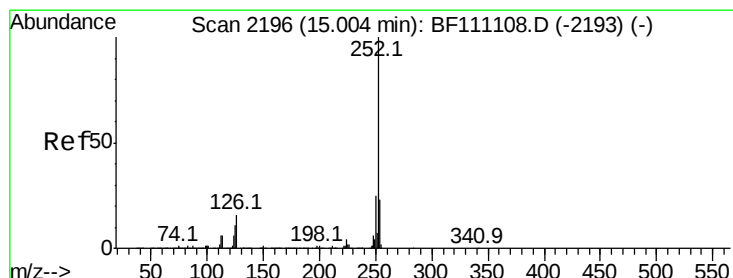
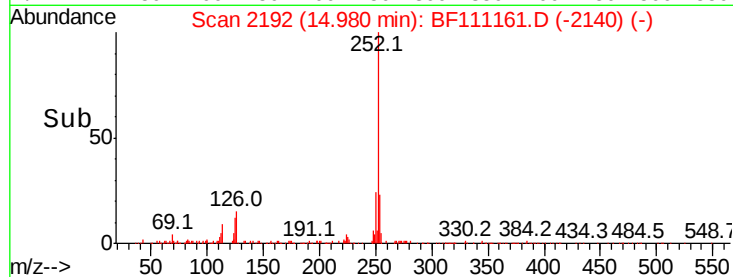
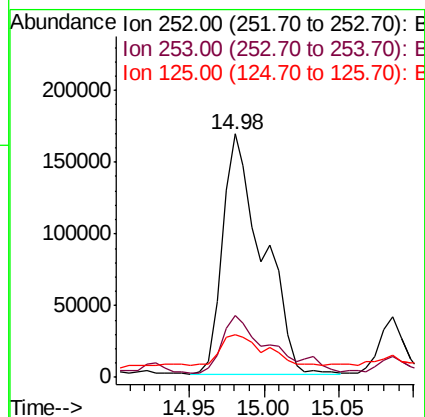
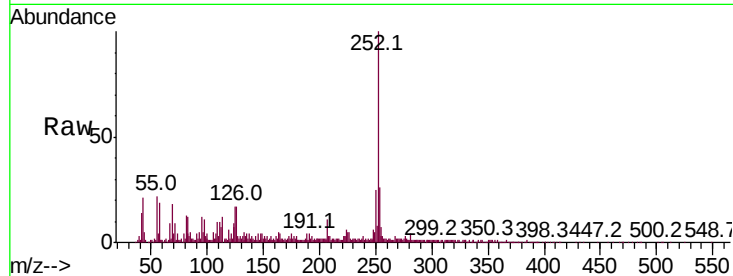
Acq: 7 Dec 2018 1:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	312600
Ion Ratio	Lower	Upper
252	100	
253	25.6	18.5 27.7
125	17.4	9.9 14.9#



#89

Benzo(k)fluoranthene

Concen: 8.060 ng

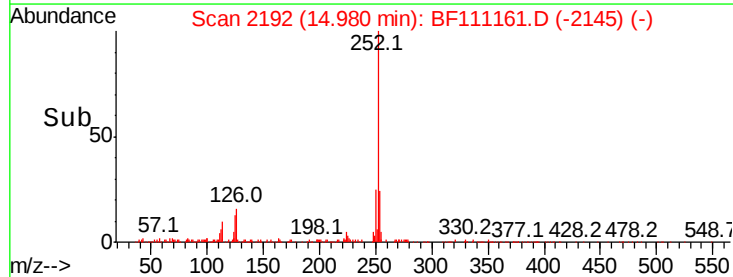
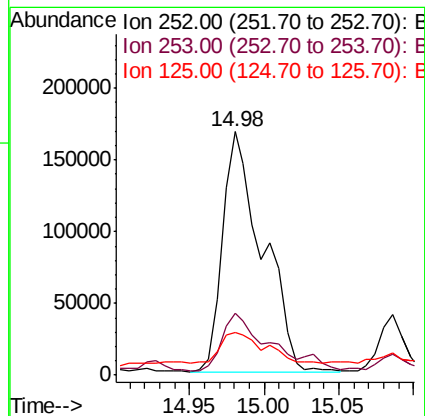
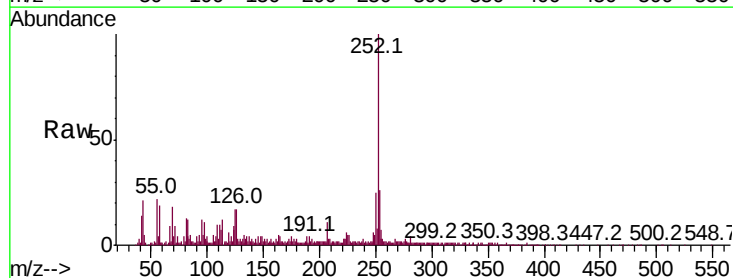
RT: 14.98 min Scan# 2192

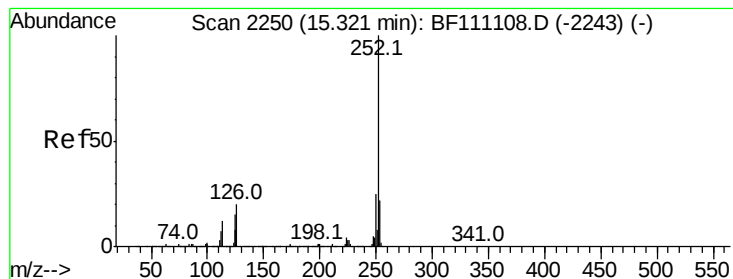
Delta R.T. -0.02 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

Tgt Ion:252	Resp:	312600
Ion Ratio	Lower	Upper
252	100	
253	25.6	18.2 27.4
125	17.4	9.9 14.9#





#90

Benzo(a)pyrene

Concen: 4.905 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

Instrument :

BNA_F

ClientSampled :

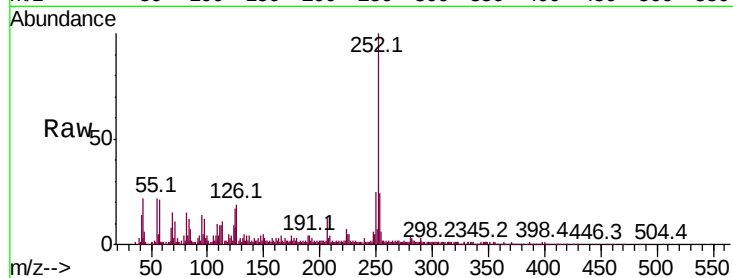
Tot Ion:252 Resp: 180507

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

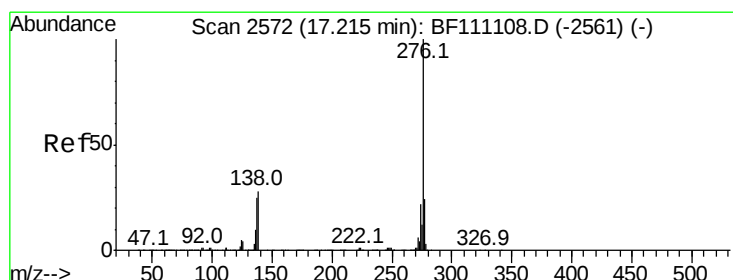
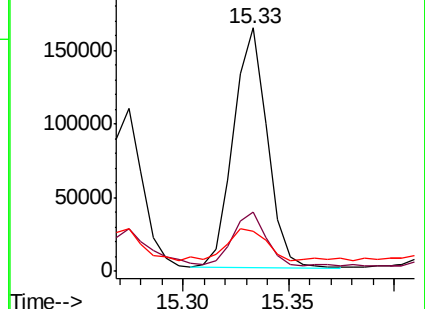
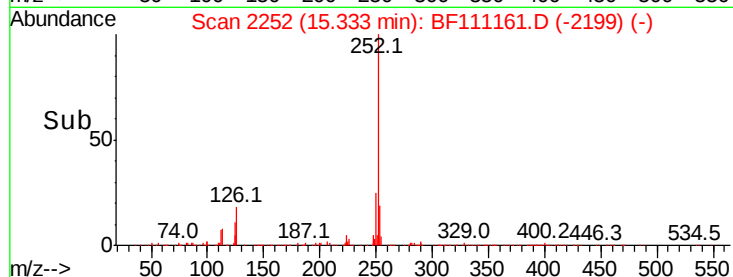
125 16.7 12.4 18.6



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



#92

Benzo(g,h,i)perylene

Concen: 3.168 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BF111161.D

Acq: 7 Dec 2018 1:49

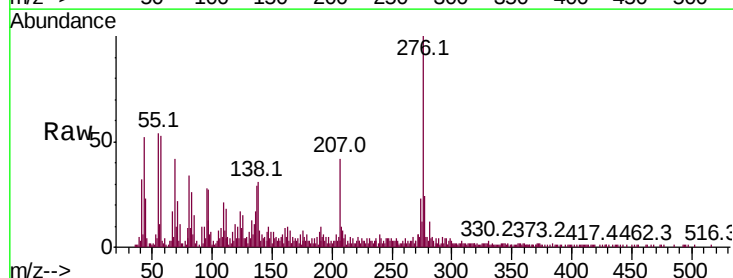
Tgt Ion:276 Resp: 98298

Ion Ratio Lower Upper

276 100

277 24.1 19.3 28.9

138 31.0 22.3 33.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

