

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111908.D
 Acq On : 8 Jan 2019 15:47
 Operator : JU/SJ
 Sample : K1012-05RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 17:55:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

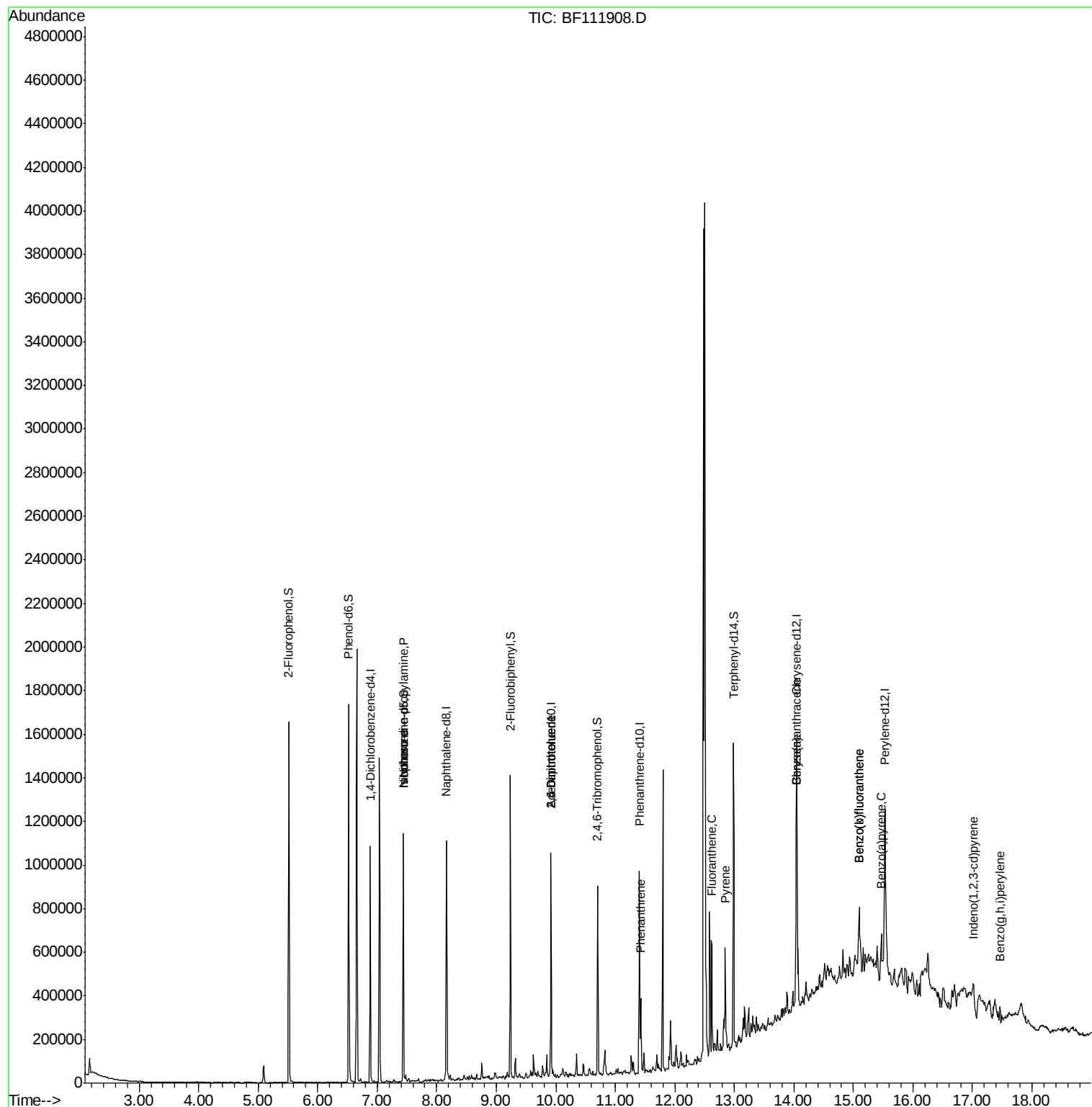
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	161015	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	486912	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	195105	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	325143	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	390827	20.00	ng	-0.01
87) Perylene-d12	15.53	264	358534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	411075	43.68	ng	0.00
7) Phenol-d6	6.52	99	476970	39.32	ng	-0.01
23) Nitrobenzene-d5	7.44	82	322421	35.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	100613	39.65	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	442415	33.07	ng	-0.01
79) Terphenyl-d14	12.99	244	441740	21.46	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	862	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.44	70	43495	5.519	ng	# 77
25) Isophorone	7.44	82	322418	21.855	ng	# 65
51) 2,6-Dinitrotoluene	9.92	165	25804	7.873	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	25804	6.093	ng	# 27
71) Phenanthrene	11.43	178	116535	6.704	ng	97
75) Fluoranthene	12.62	202	214391	12.013	ng	98
78) Pyrene	12.85	202	201518	7.494	ng	98
81) Benzo(a)anthracene	14.03	228	111511	4.958	ng	96
83) Chrysene	14.03	228	111511	5.200	ng	99
86) Indeno(1,2,3-cd)pyrene	17.02	276	56310	3.602	ng	98
88) Benzo(b)fluoranthene	15.09	252	195198	9.101	ng	# 93
89) Benzo(k)fluoranthene	15.09	252	195198	9.682	ng	# 94
90) Benzo(a)pyrene	15.46	252	91326	4.843	ng	# 94
92) Benzo(a,h,i)perylene	17.46	276	39958	2.693	ng	# 93

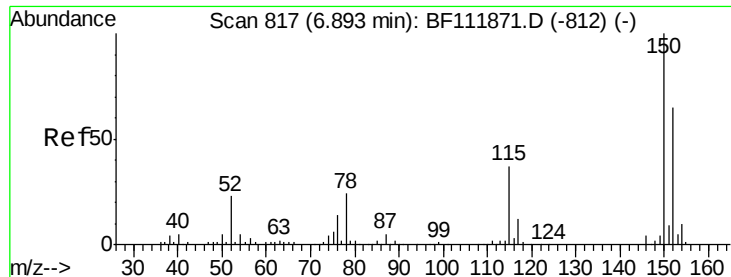
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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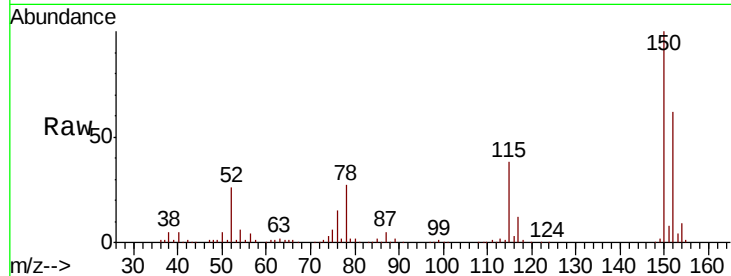


#1

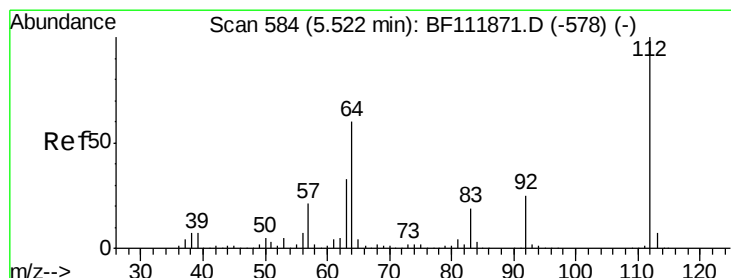
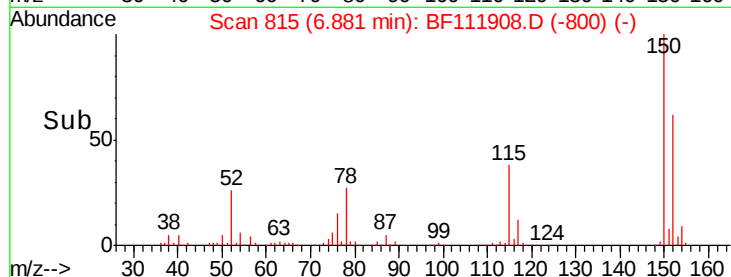
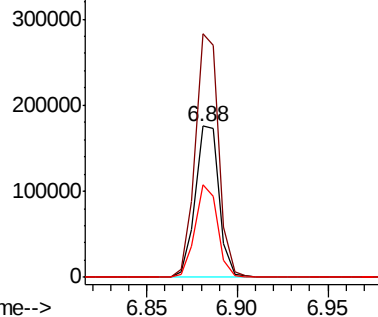
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	122.7	184.1
115	61.4	45.2	67.8



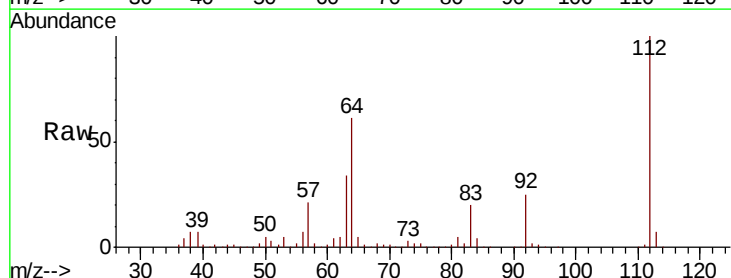
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



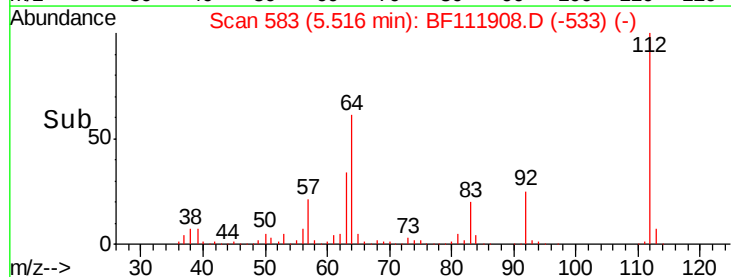
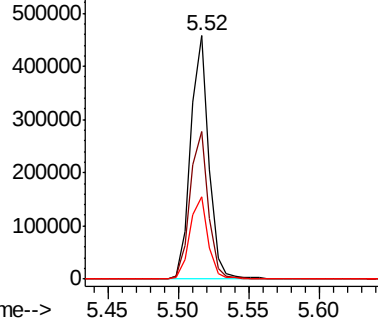
#5

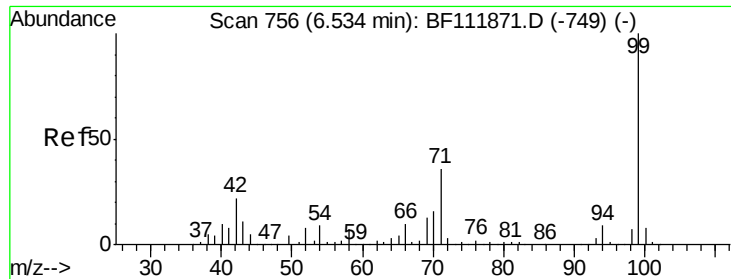
2-Fluorophenol
Concen: 43.678 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.3	72.5
63	33.8	26.1	39.1



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: 39.320 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

ClientSampled :

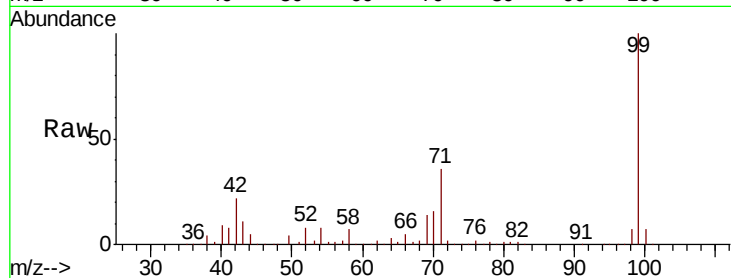
Tot Ion: 99 Resp: 476970

Ion Ratio Lower Upper

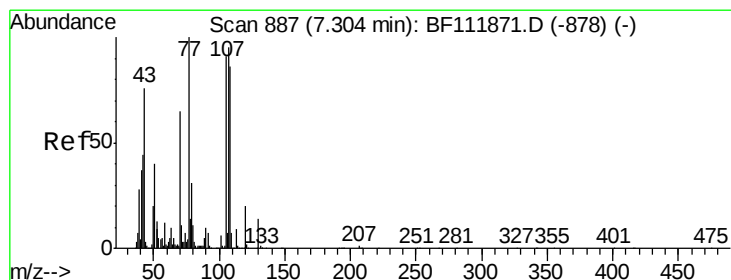
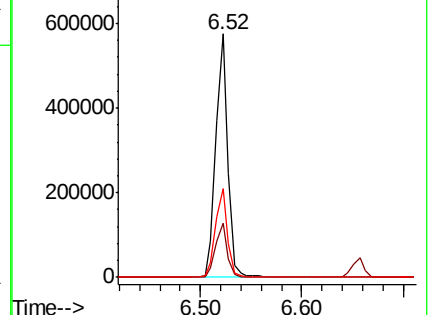
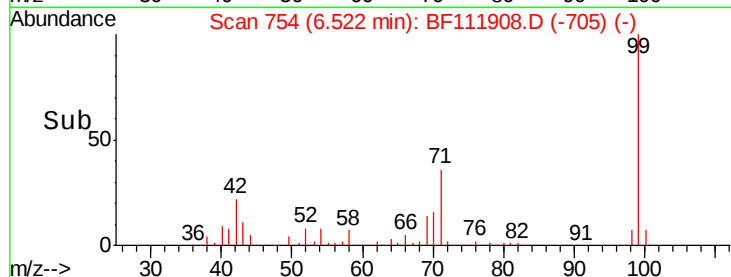
99 100

42 22.1 17.9 26.9

71 36.5 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.519 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Tgt Ion: 70 Resp: 43495

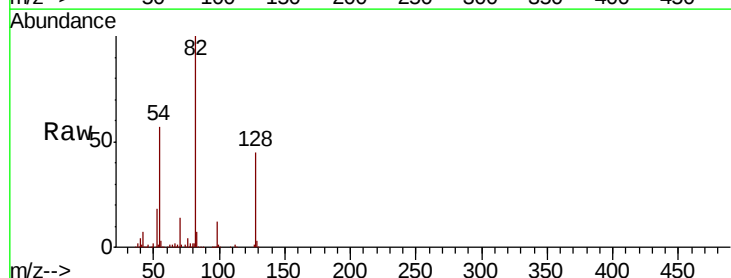
Ion Ratio Lower Upper

70 100

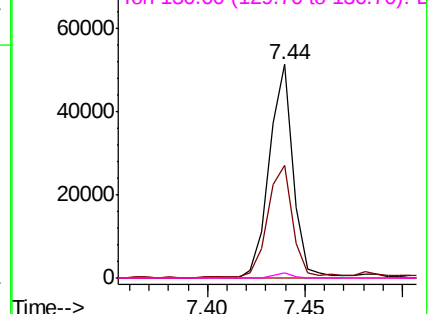
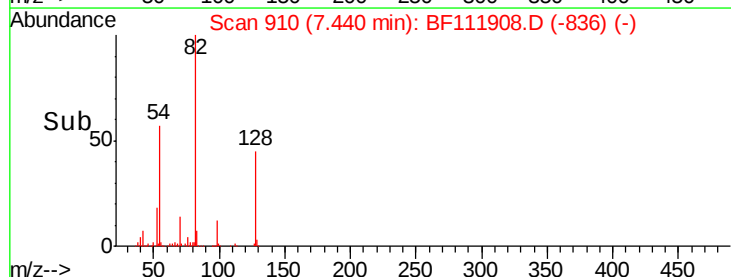
42 52.7 53.6 80.4#

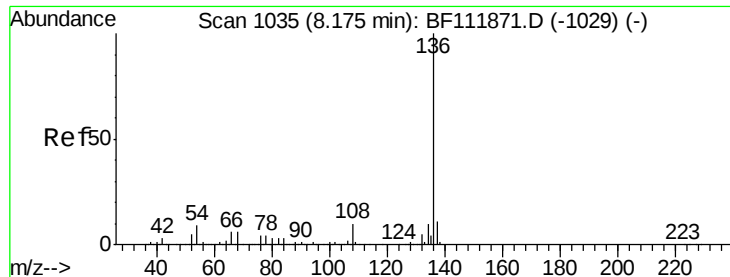
101 0.0 7.3 10.9#

130 2.5 16.8 25.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 486912

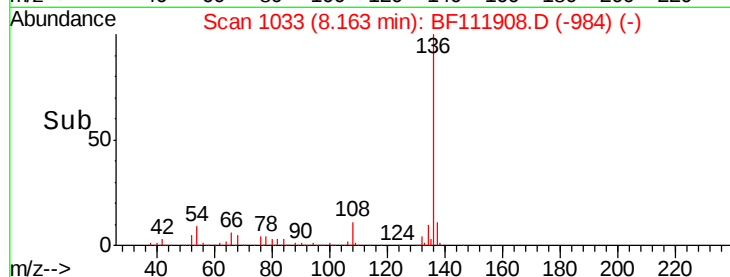
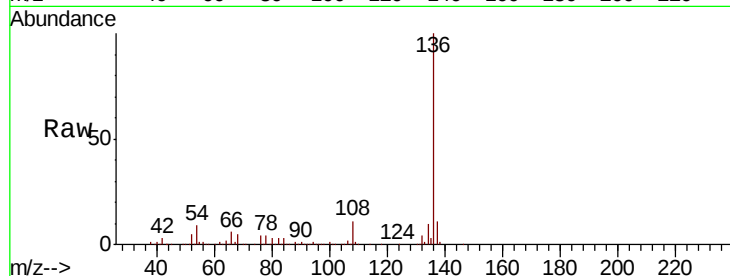
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.0 7.2 10.8

68 5.1 4.4 6.6

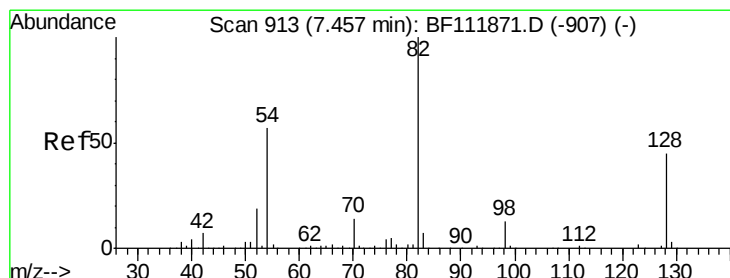
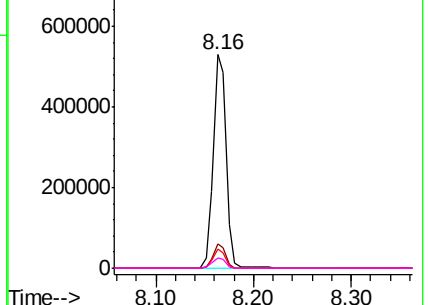


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 35.390 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

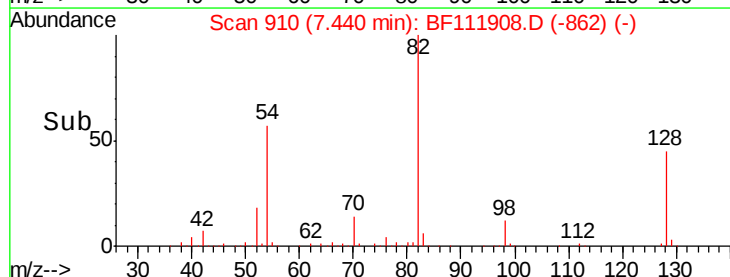
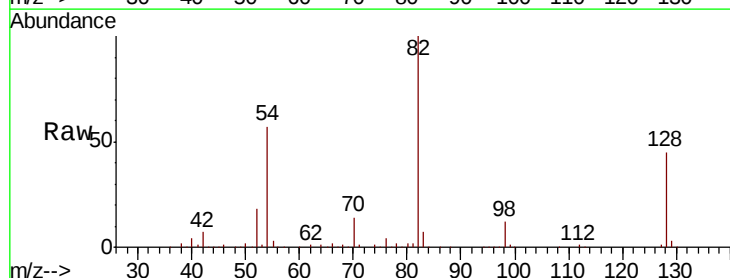
Tgt Ion: 82 Resp: 322421

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

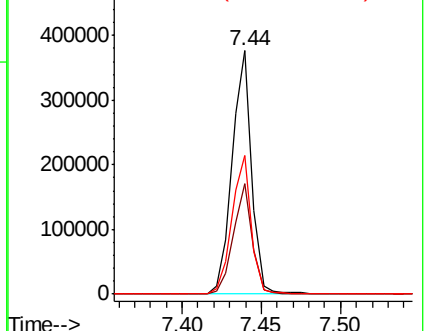
54 57.1 45.8 68.8

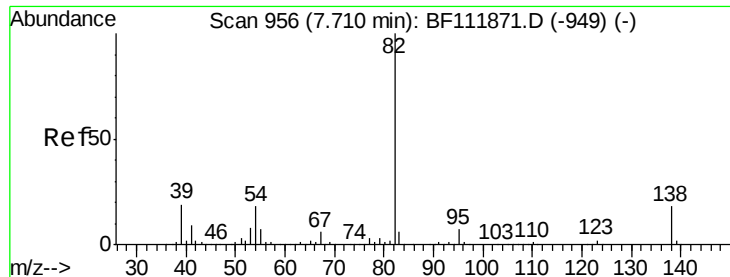


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 21.855 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

ClientSampled :

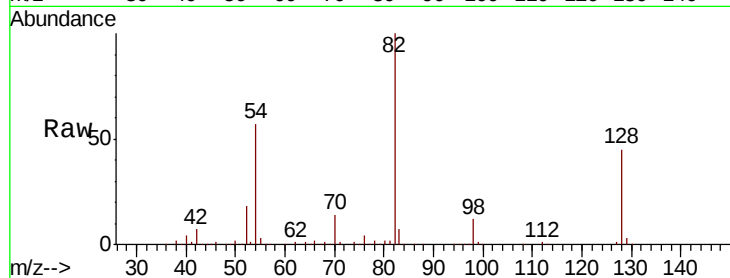
Tot Ion: 82 Resp: 322418

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

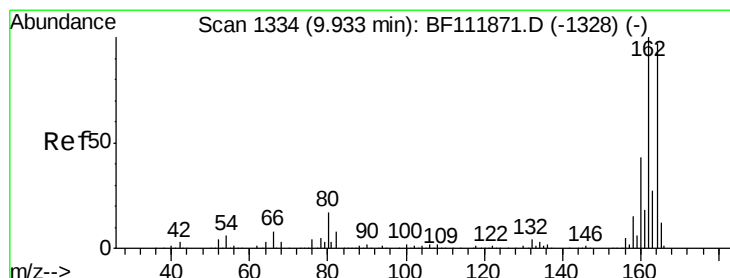
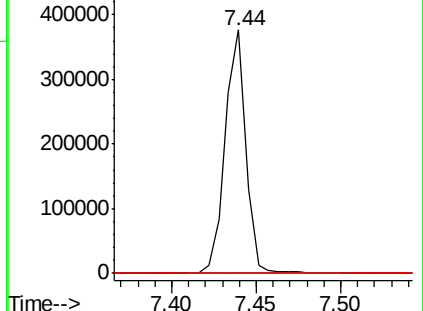
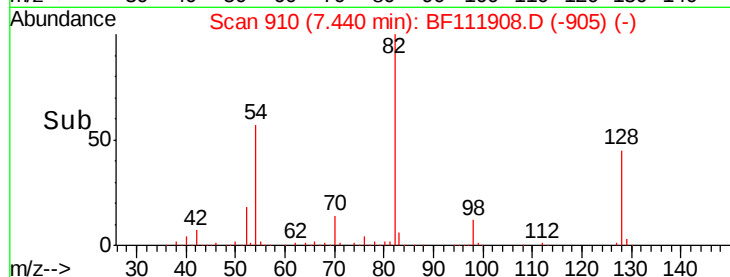
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

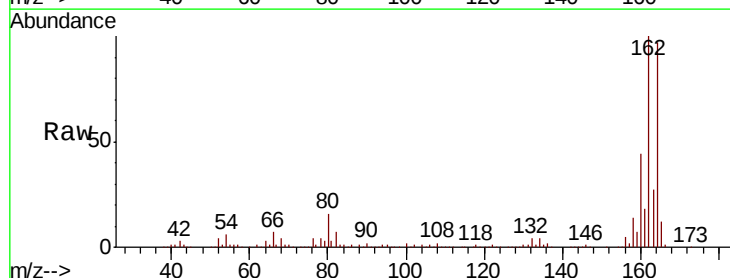
Tgt Ion:164 Resp: 195105

Ion Ratio Lower Upper

164 100

162 103.0 82.2 123.2

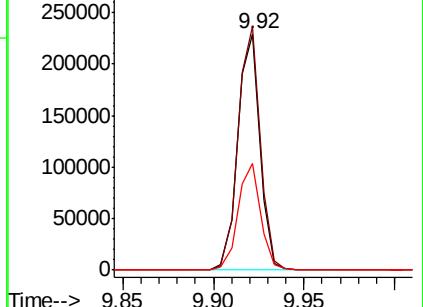
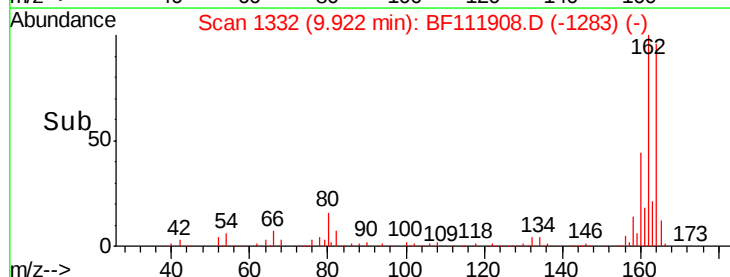
160 45.2 35.5 53.3

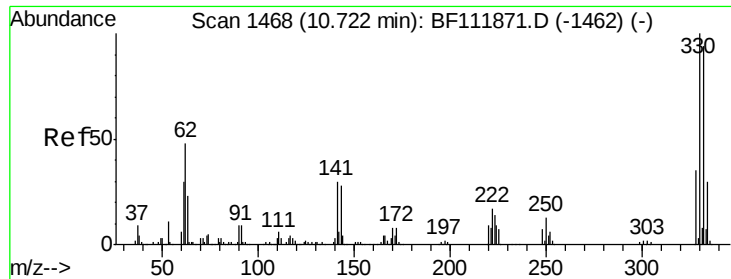


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 39.647 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF111908.D

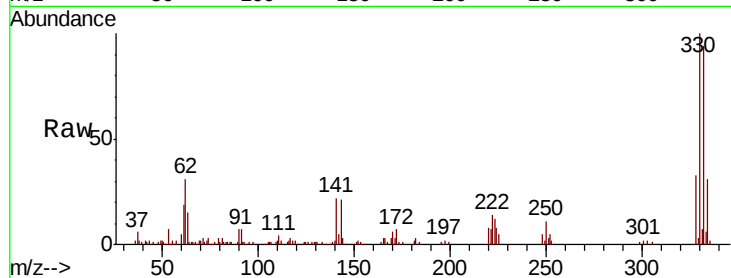
Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	100613
Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	31.1	23.7	35.5

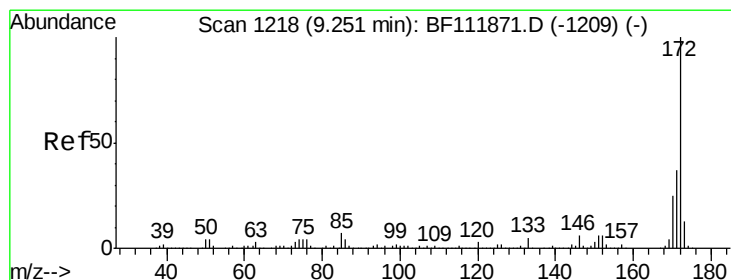
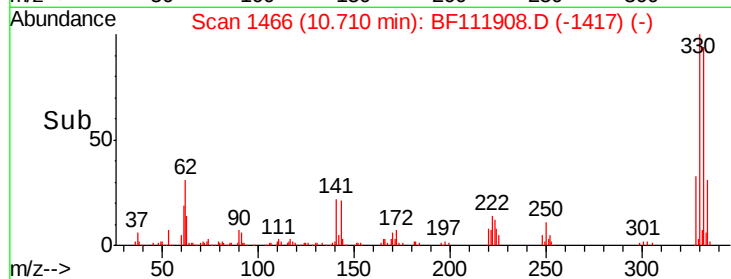
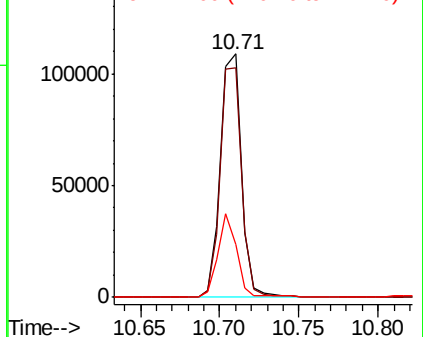


Abundance

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: 33.066 ng

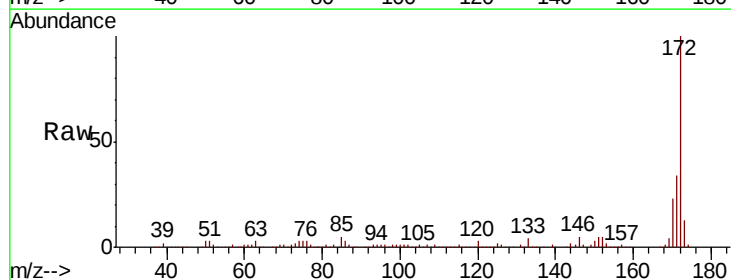
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Tgt Ion:	172	Resp:	442415
Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	22.7	19.8	29.8

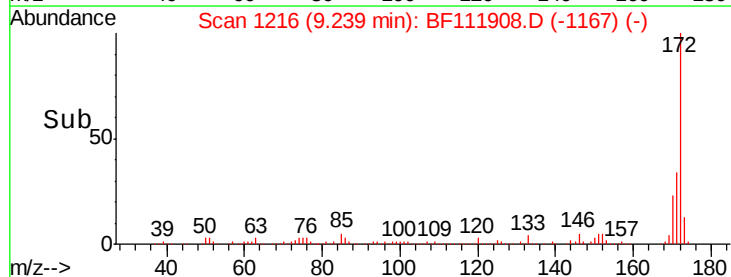
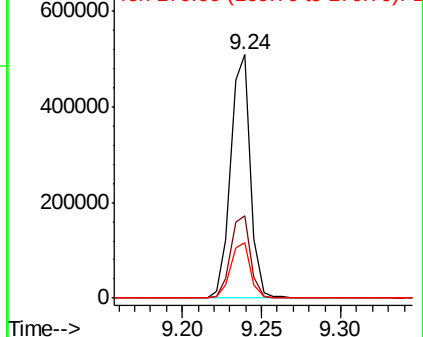


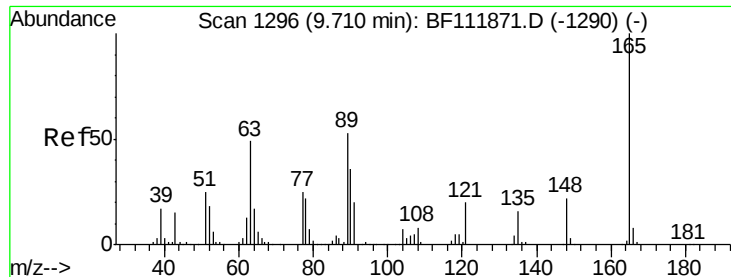
Abundance

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

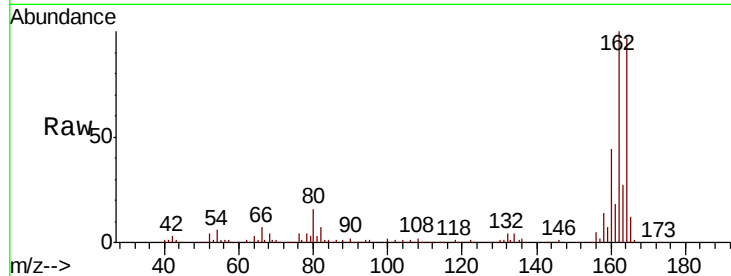




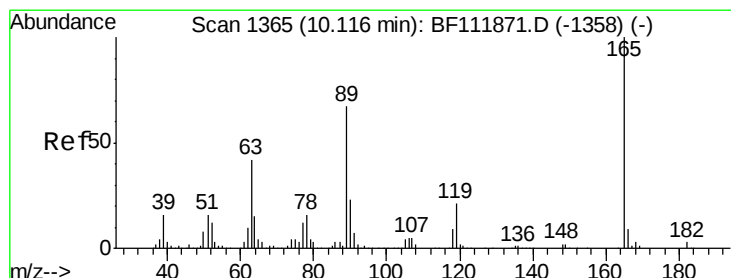
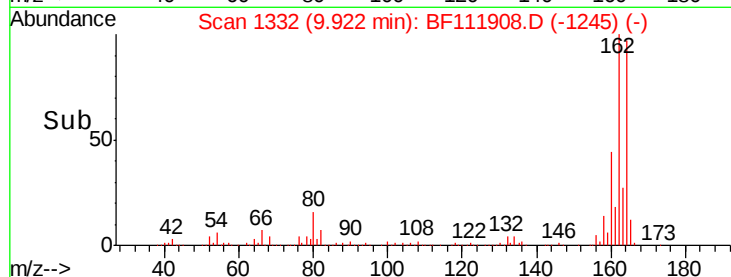
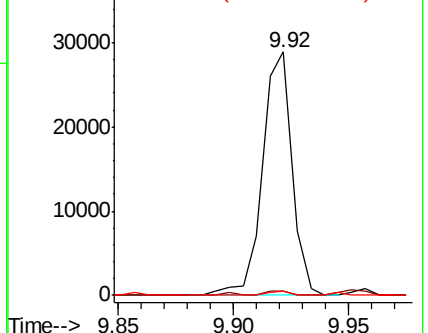
#51
 2,6-Dinitrotoluene
 Concen: 7.873 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.21 min
 Lab File: BF111908.D
 Acq: 8 Jan 2019 15:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	46.2	69.2#
89	1.9	42.2	63.2#

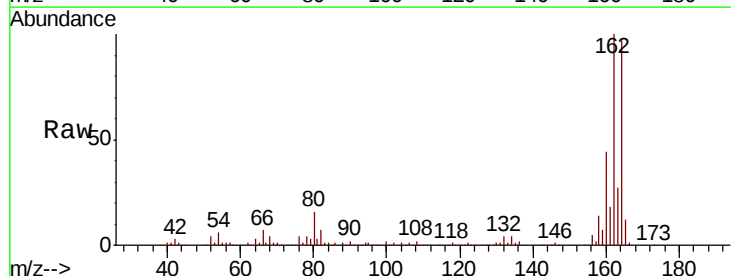


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

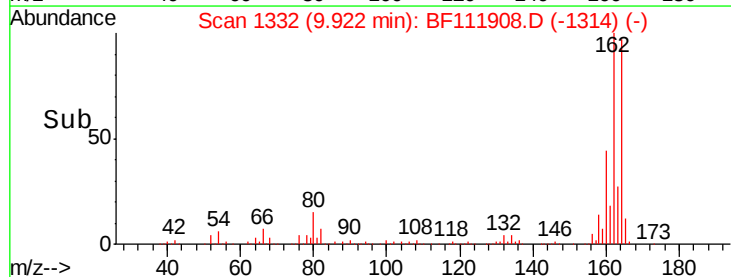
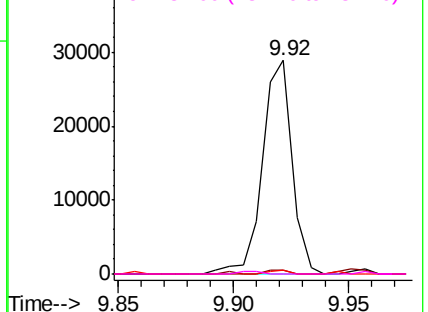


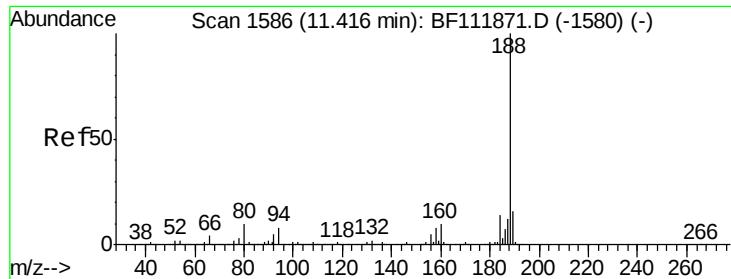
#57
 2,4-Dinitrotoluene
 Concen: 6.093 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111908.D
 Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.1	51.1#
89	1.9	53.5	80.3#
182	0.0	2.0	3.0#



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

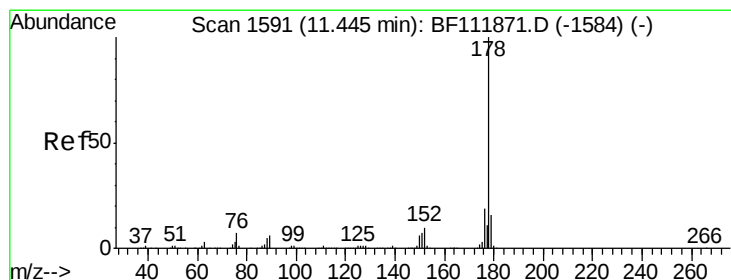
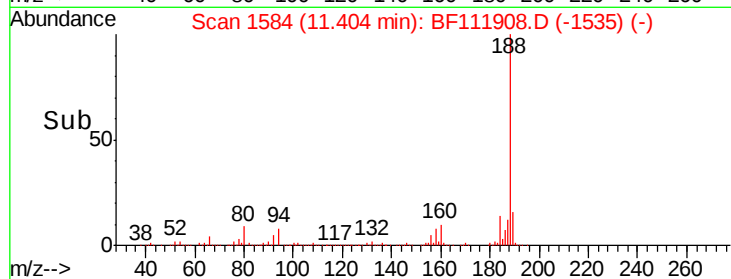
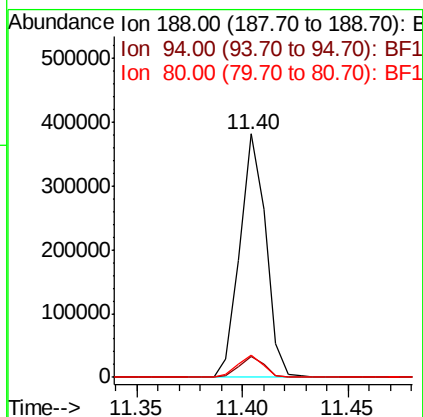
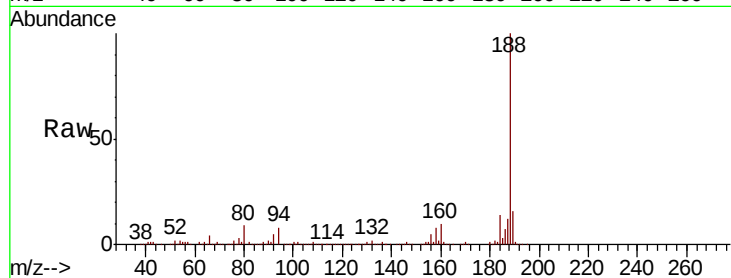




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

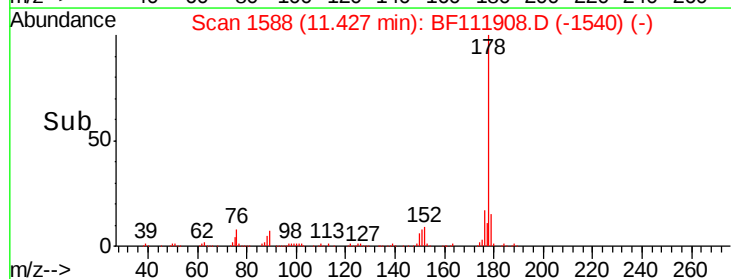
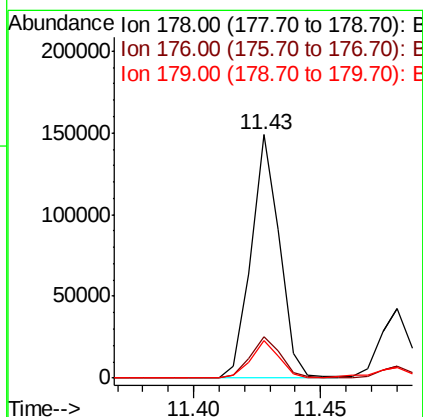
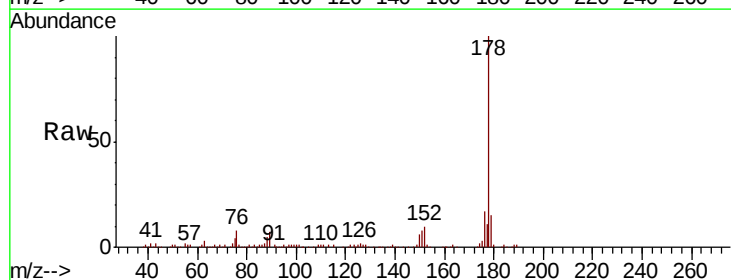
Instrument :
BNA_F
ClientSampleId :

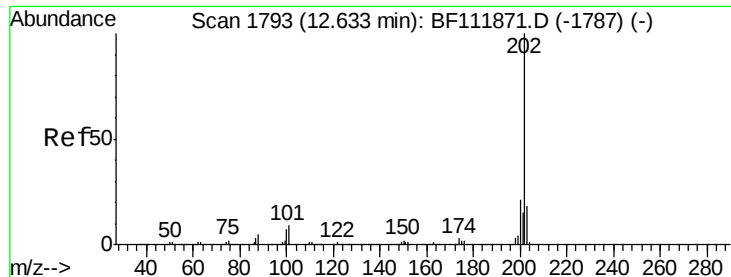
Tot Ion:188 Resp: 325143
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.2 7.7 11.5



#71
Phenanthrene
Concen: 6.704 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion:178 Resp: 116535
Ion Ratio Lower Upper
178 100
176 17.1 15.6 23.4
179 15.3 12.6 18.8





#75

Fluoranthene

Concen: 12.013 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

Instrument :

BNA_F

ClientSampleId :

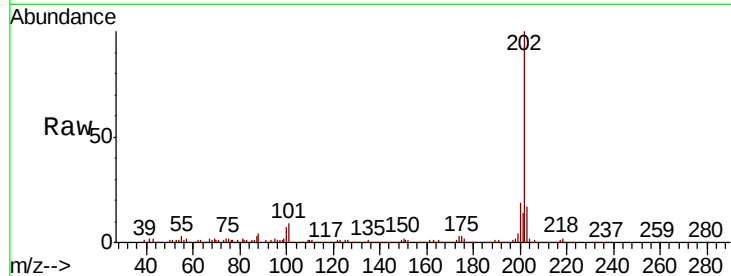
Tot Ion:202 Resp: 214391

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.3

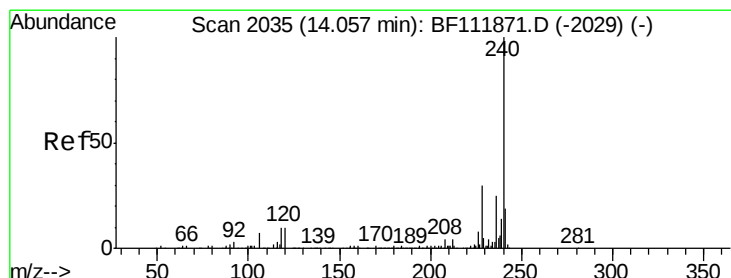
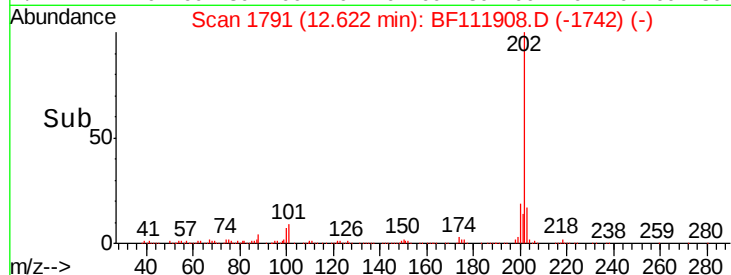
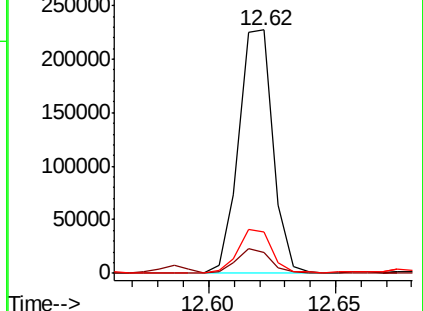
203 16.9 0.0 37.6



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF111908.D

Acq: 8 Jan 2019 15:47

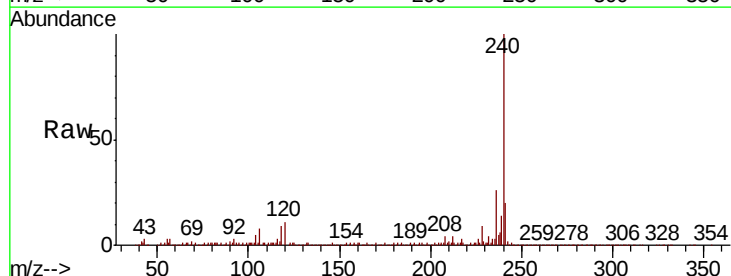
Tgt Ion:240 Resp: 390827

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

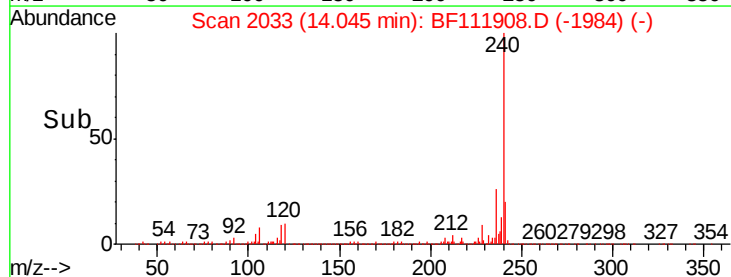
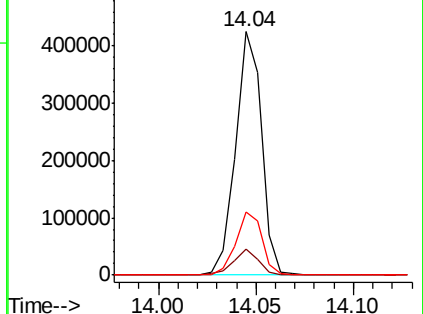
236 25.7 20.2 30.4

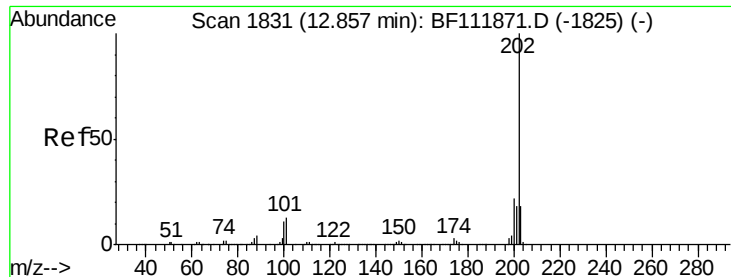


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

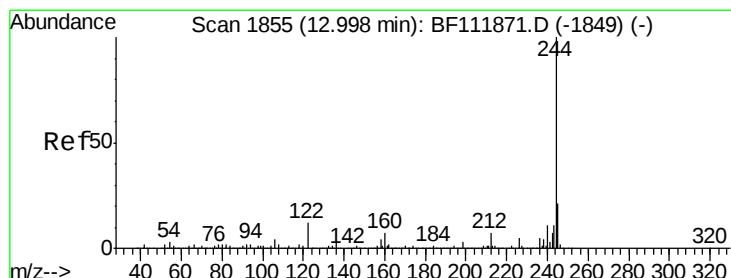
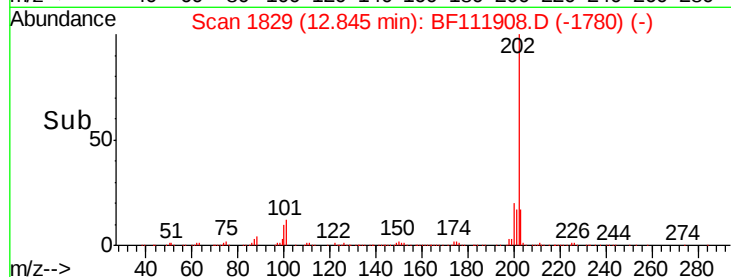
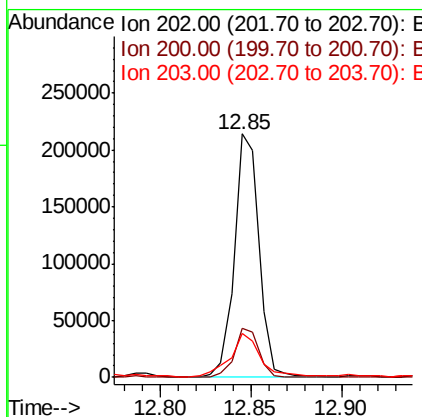
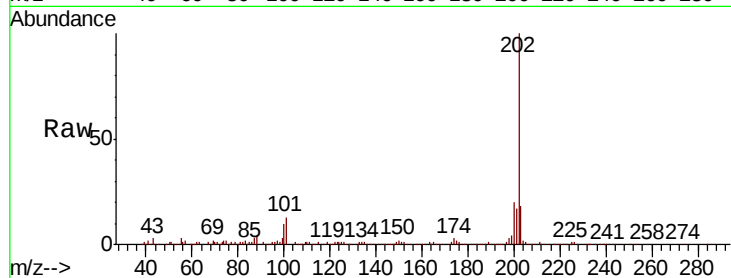




#78
Pvrene
Concen: 7.494 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

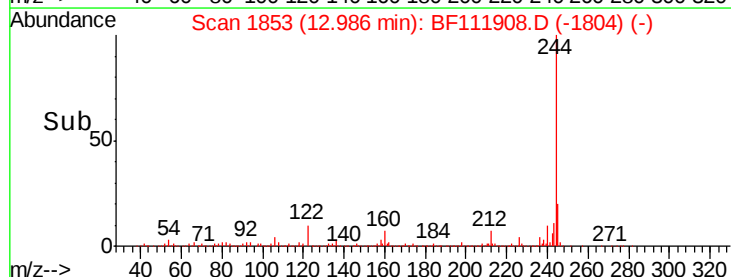
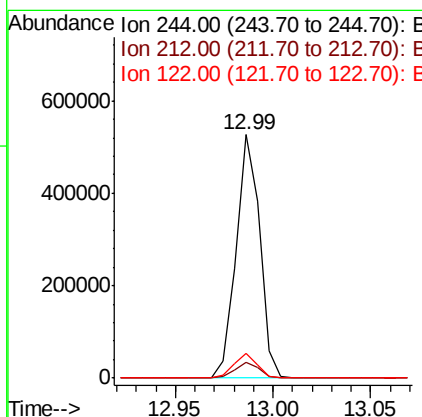
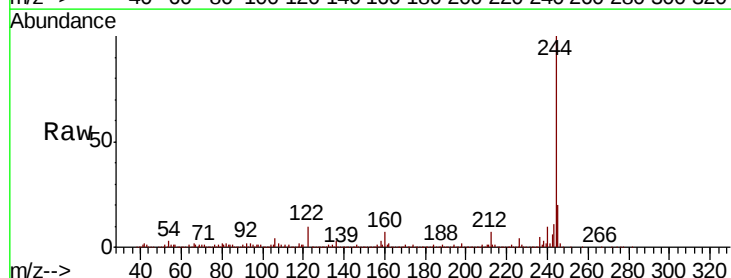
Instrument :
BNA_F
ClientSampled :

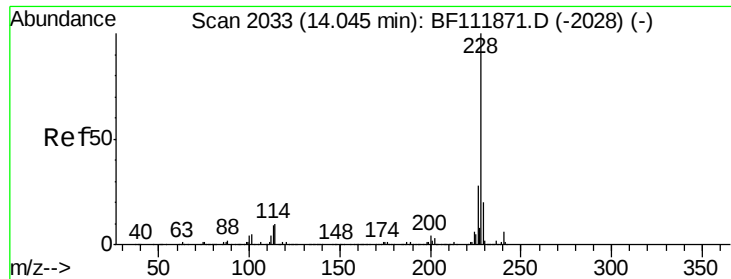
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.8	14.6	21.8



#79
Terphenyl-d14
Concen: 21.455 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.2	9.5	14.3

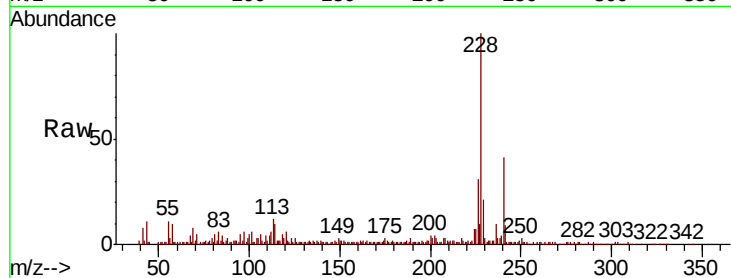




#81
Benzo(a)anthracene
Concen: 4.958 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.2	33.2
229	20.5	16.2	24.2

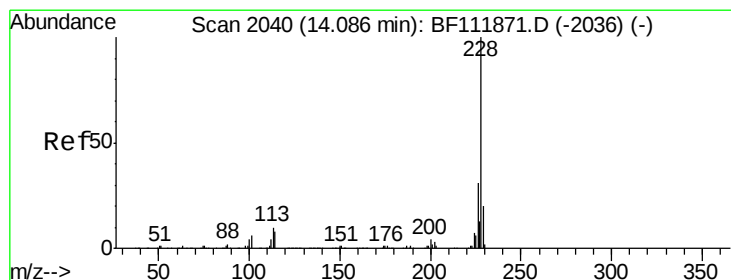
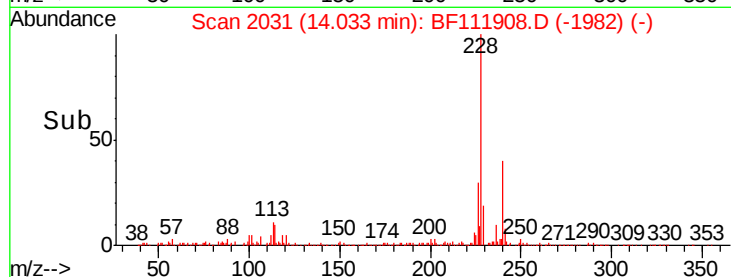
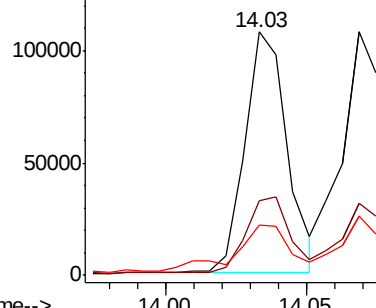


Abundance

Ion 228.00 (227.70 to 228.70): E

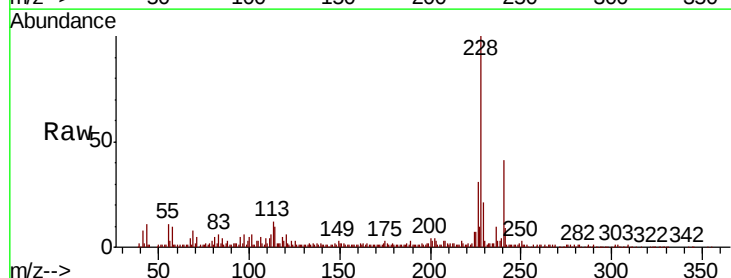
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 5.200 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.05 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	20.5	15.7	23.5

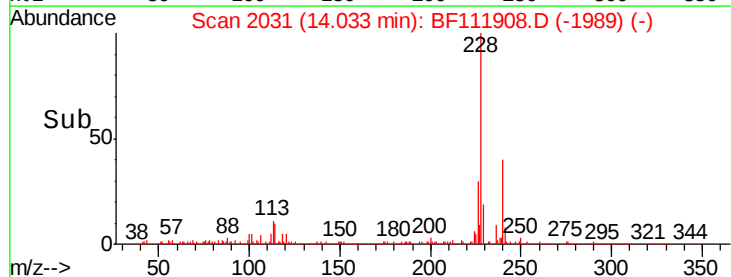
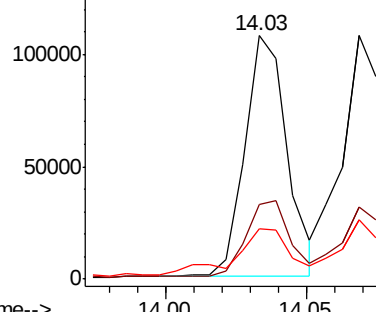


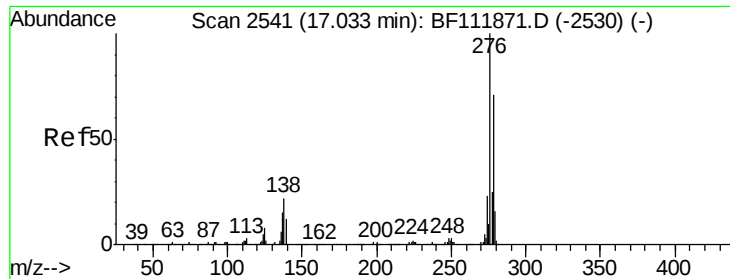
Abundance

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

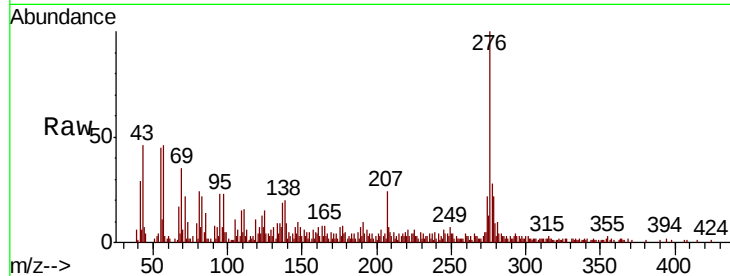




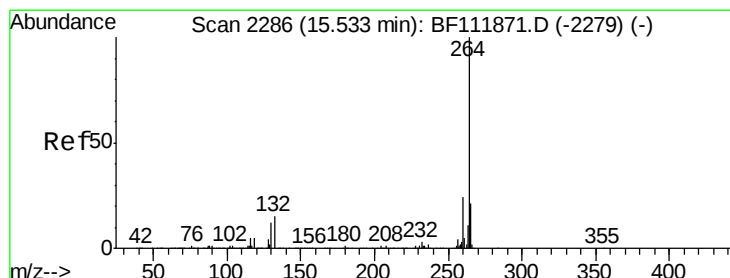
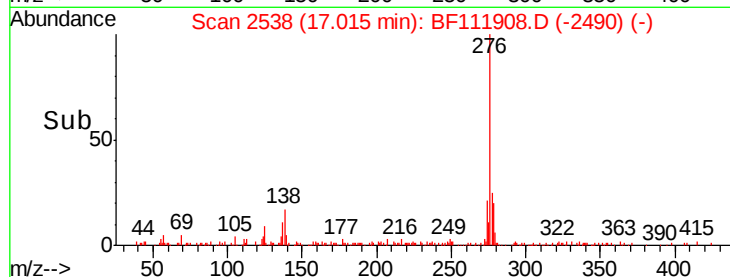
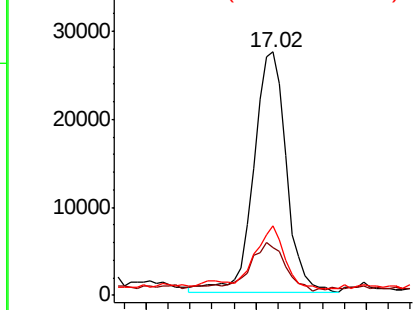
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.602 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.1	27.1
277	23.7	19.9	29.9

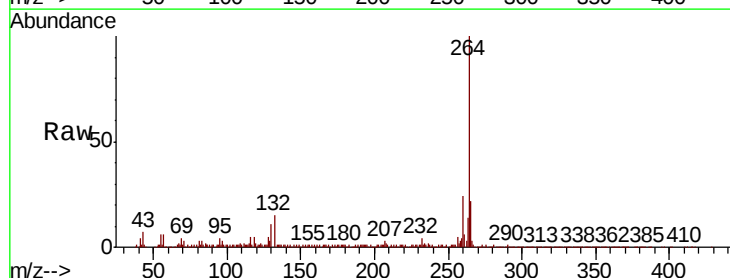


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

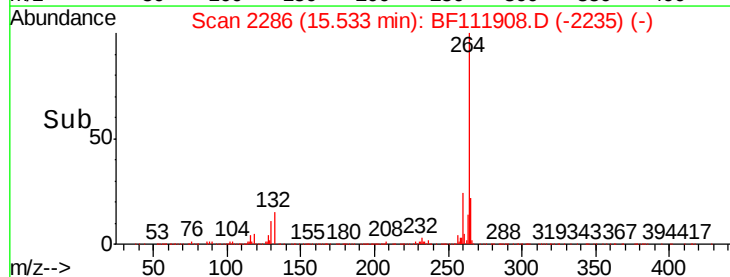
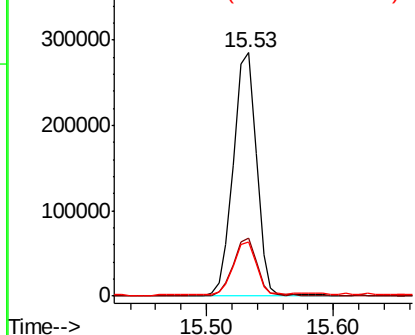


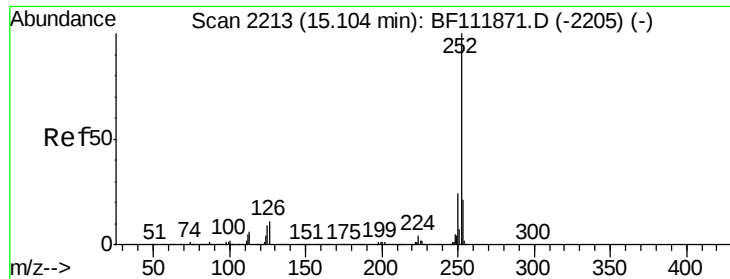
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.00 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.1	25.7



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

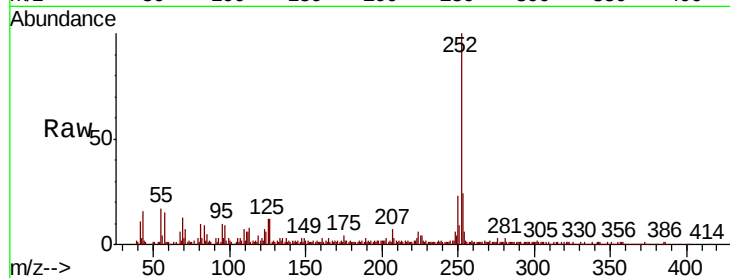




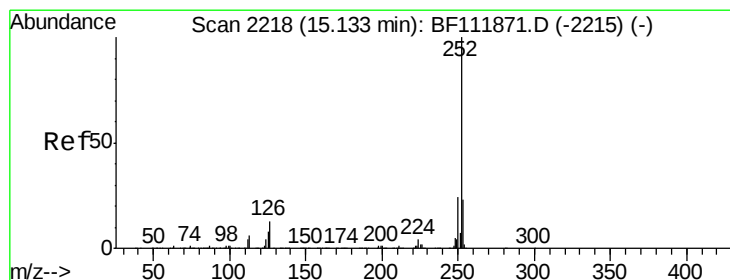
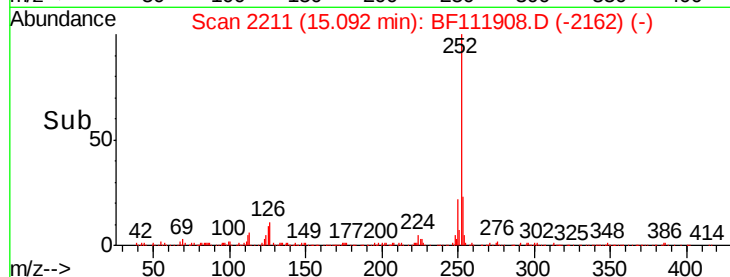
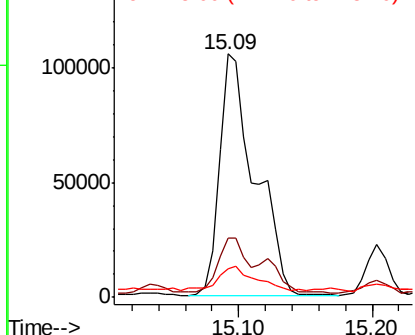
#88
Benzo(b)fluoranthene
Concen: 9.101 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	11.7	7.1	10.7

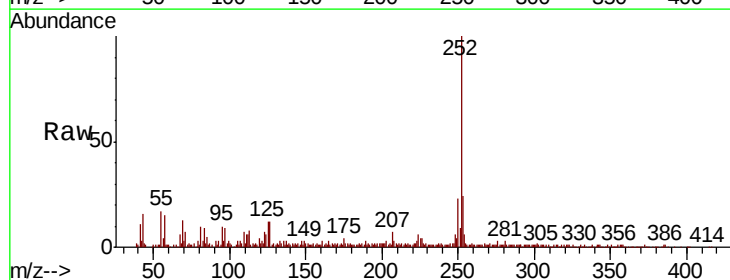


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

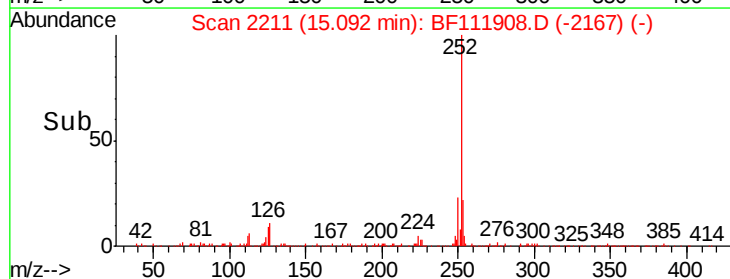
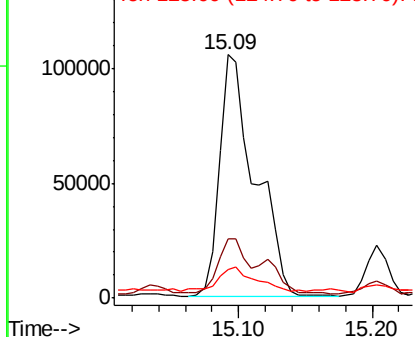


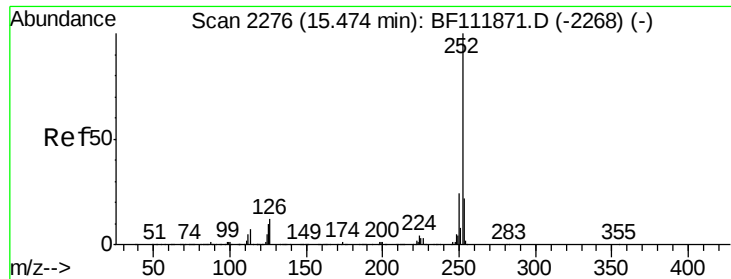
#89
Benzo(k)fluoranthene
Concen: 9.682 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	11.7	7.0	10.4



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

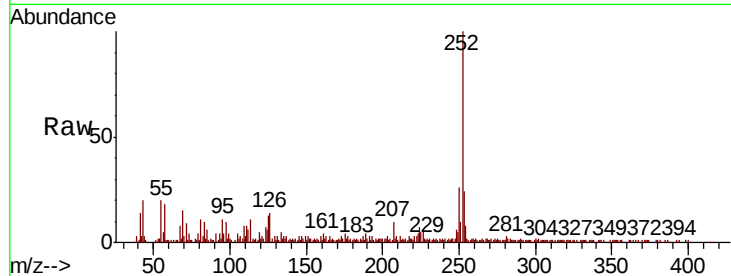




#90
Benzo(a)pyrene
Concen: 4.843 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	12.8	7.9	11.9#

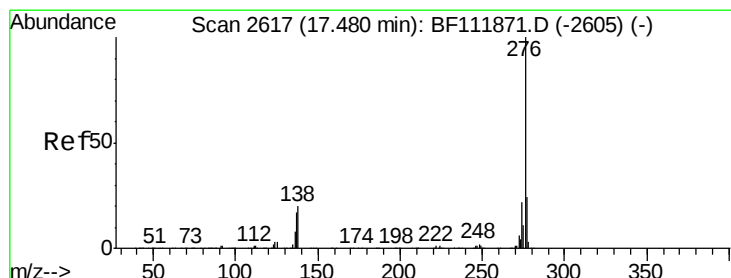
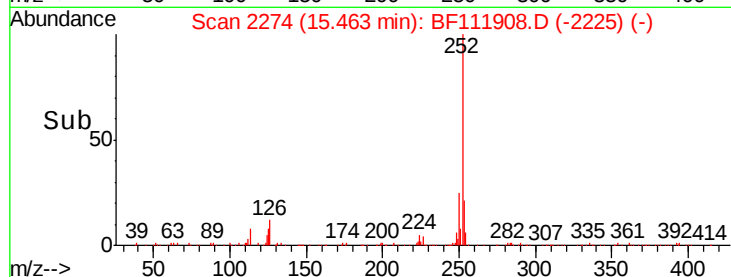
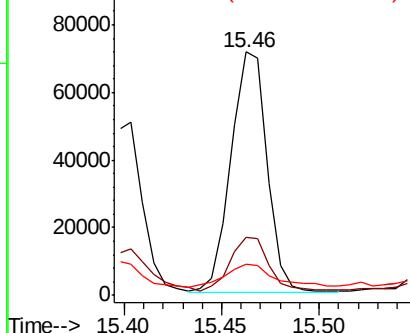


Abundance

Ion 252.00 (251.70 to 252.70): E

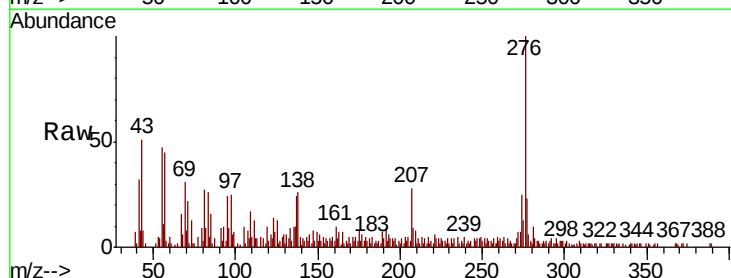
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.693 ng
RT: 17.46 min Scan# 2614
Delta R.T. -0.02 min
Lab File: BF111908.D
Acq: 8 Jan 2019 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	26.0	16.2	24.2#



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

