

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111879.D
 Acq On : 7 Jan 2019 16:32
 Operator : JU/SJ
 Sample : K1041-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 17:06:33 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	6.89	152	180297	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	695889	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	331743	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	609417	20.00	ng	0.00
76) Chrysene-d12	14.05	240	399102	20.00	ng	0.00
87) Perylene-d12	15.54	264	517170	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1116668	105.96	ng	0.00
7) Phenol-d6	6.53	99	1364264	100.44	ng	0.00
23) Nitrobenzene-d5	7.45	82	906258	69.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	402434	93.26	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1608820	70.72	ng	0.00
79) Terphenyl-d14	13.00	244	1411724	67.14	ng	0.00

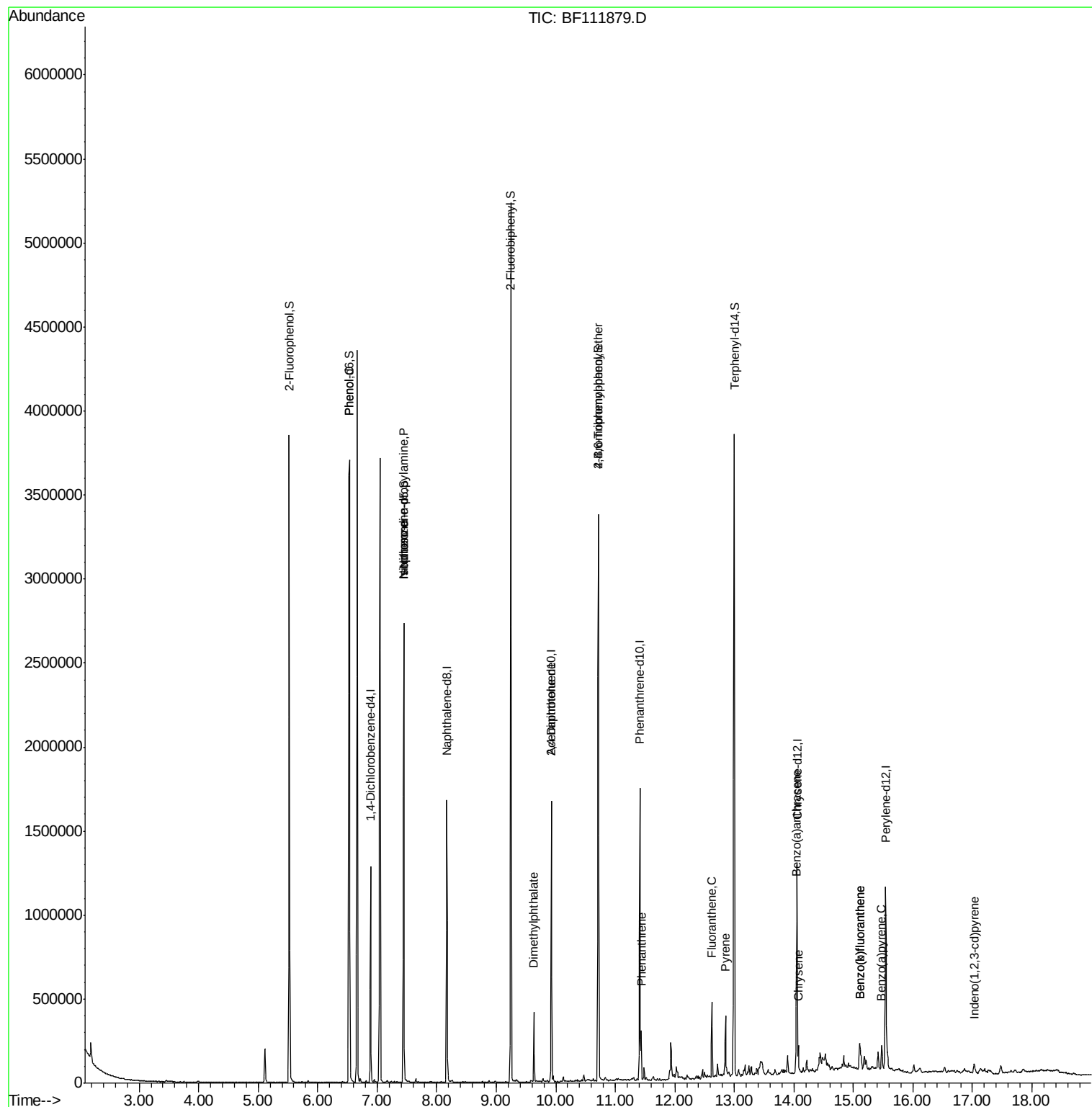
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2890	Below Cal		# 1
10) Phenol	6.54	94	69660	4.719	ng	84
19) n-Nitroso-di-n-propylamine	7.45	70	123696	14.016	ng	# 78
25) Isophorone	7.45	82	906243	42.982	ng	# 65
50) Dimethylphthalate	9.63	163	146284	5.870	ng	98
57) 2,4-Dinitrotoluene	9.93	165	42830	5.948	ng	# 27
67) 4-Bromophenyl-phenylether	10.72	248	24460	3.099	ng	# 1
71) Phenanthrene	11.43	178	99001	3.038	ng	99
75) Fluoranthene	12.62	202	164319	4.913	ng	99
78) Pyrene	12.85	202	141832	5.165	ng	96
81) Benzo(a)anthracene	14.04	228	67350	2.932	ng	98
83) Chrysene	14.07	228	60439	2.760	ng	98
86) Indeno(1,2,3-cd)pyrene	17.03	276	40422	2.532	ng	98
88) Benzo(b)fluoranthene	15.11	252	124558	4.026	ng	# 98
89) Benzo(k)fluoranthene	15.11	252	124558	4.283	ng	# 97
90) Benzo(a)pyrene	15.47	252	73655	2.708	ng	# 98

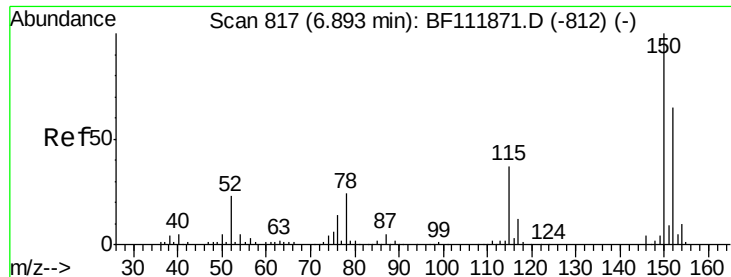
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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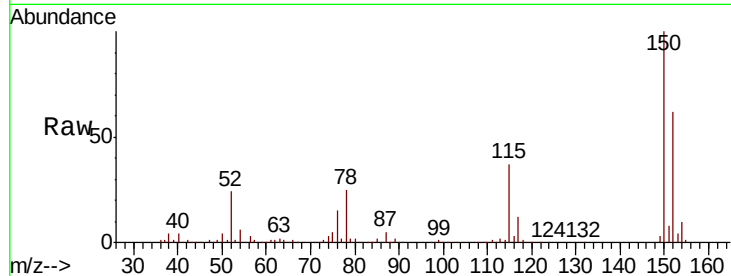


#1

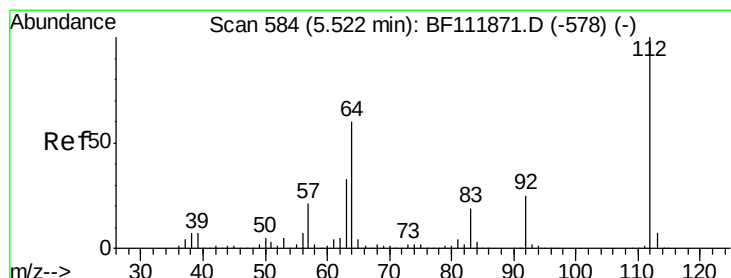
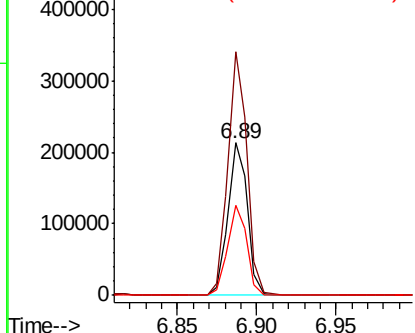
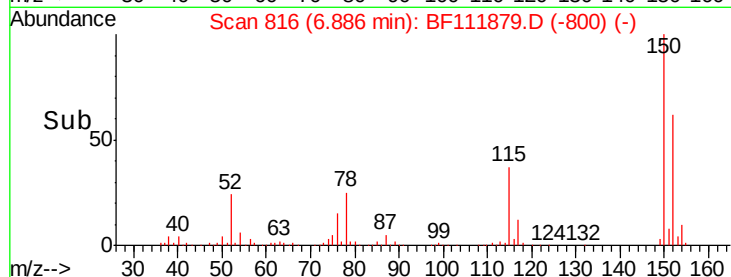
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	122.7	184.1
115	59.6	45.2	67.8



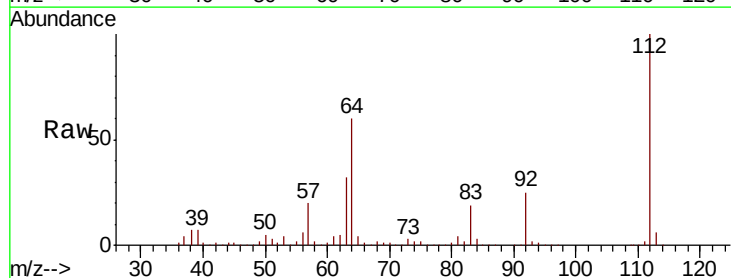
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



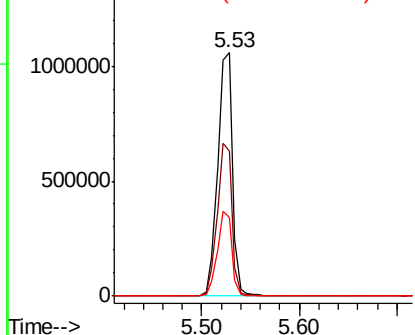
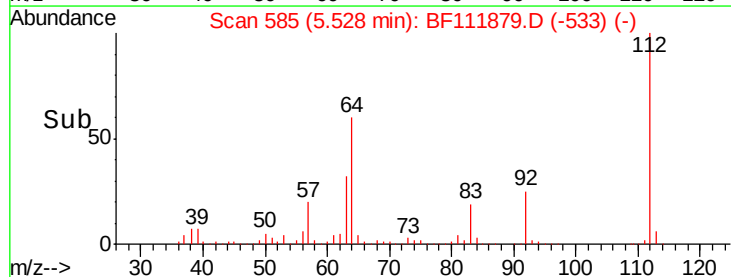
#5

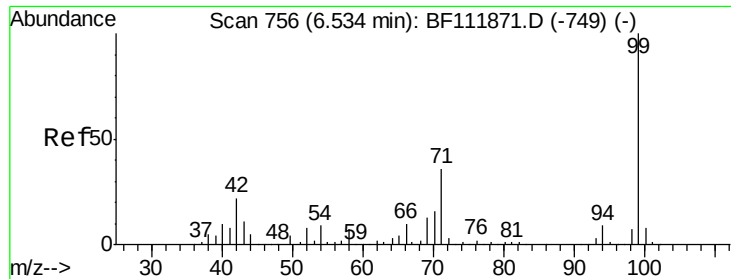
2-Fluorophenol
Concen: 105.959 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.3	72.5
63	32.2	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: 100.439 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

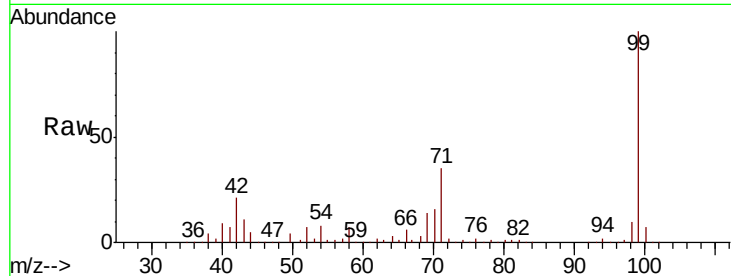
Tot Ion: 99 Resp: 1364264

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.9	26.9
71	34.9	28.7	43.1

99 100

42 20.9 17.9 26.9

71 34.9 28.7 43.1



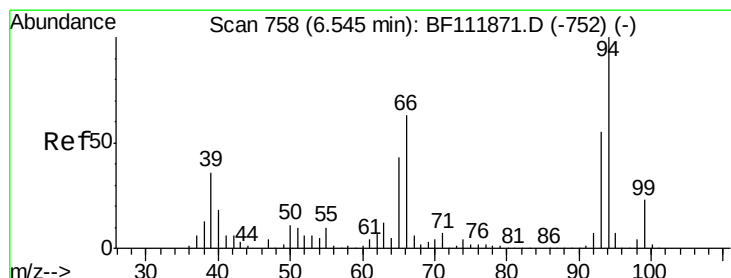
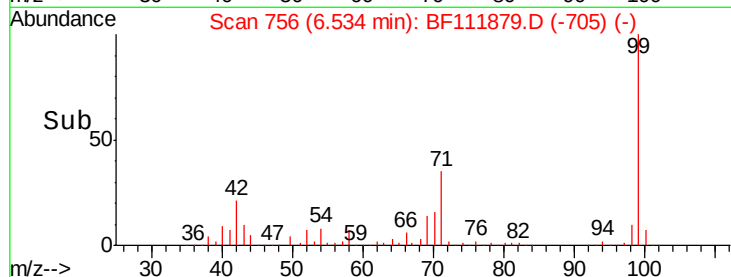
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.53

Time-->



#10

Phenol

Concen: 4.719 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

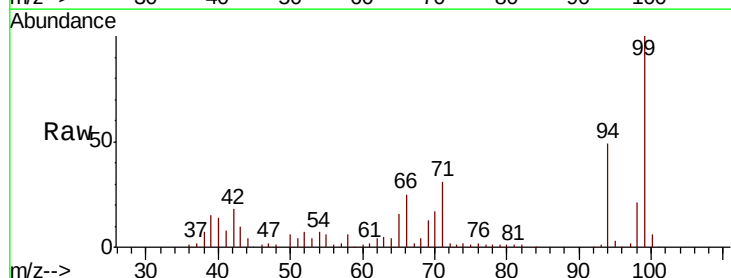
Tgt Ion: 94 Resp: 69660

Ion	Ratio	Lower	Upper
94	100		
65	32.8	22.8	62.8
66	50.7	43.3	83.3

94 100

65 32.8 22.8 62.8

66 50.7 43.3 83.3



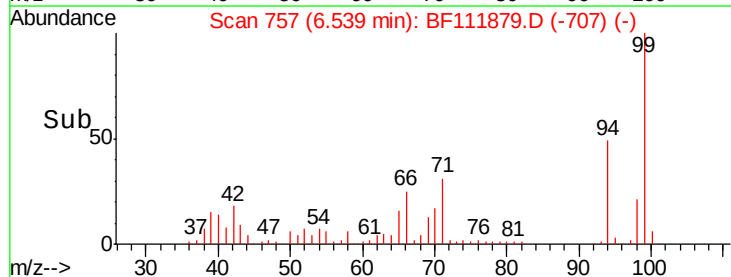
Abundance Ion 94.00 (93.70 to 94.70): BF1

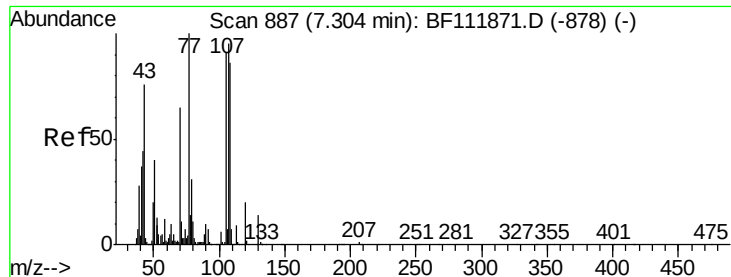
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

6.54

Time-->

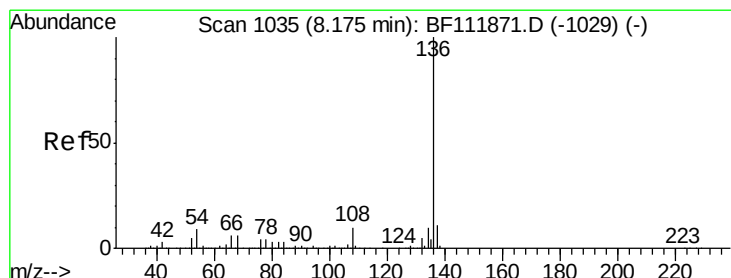
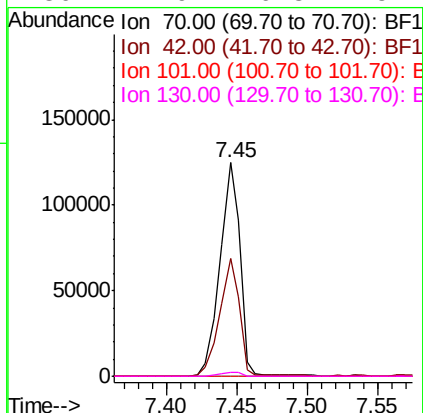
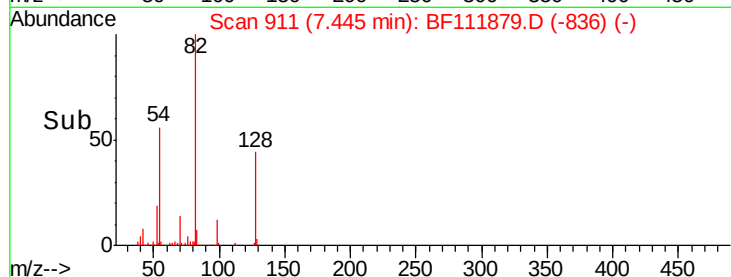
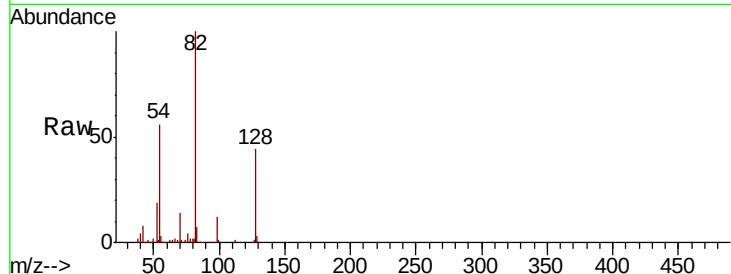




#19
n-Nitroso-di-n-propylamine
Concen: 14.016 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

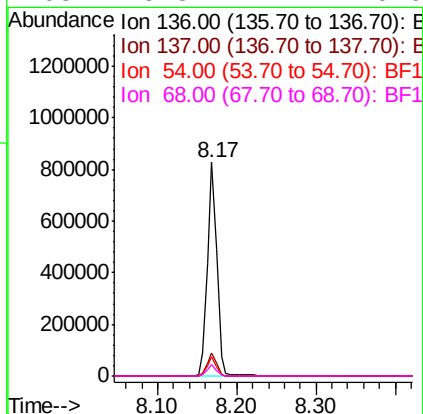
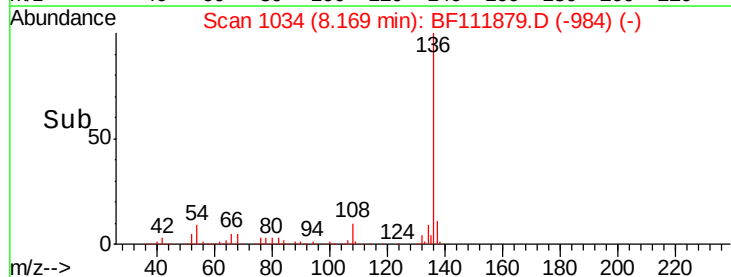
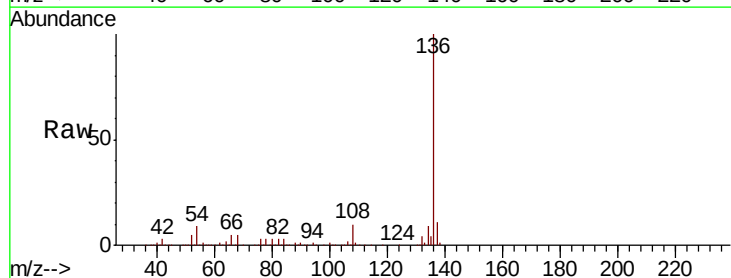
Instrument :
BNA_F
ClientSampleId :

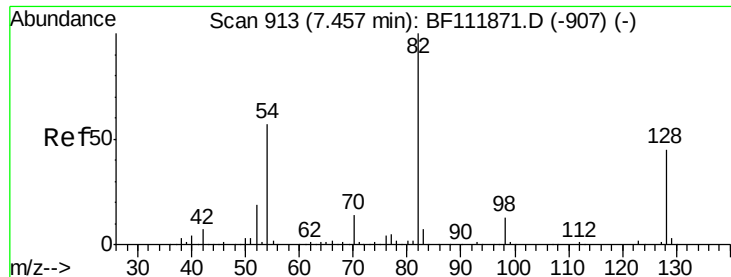
Tot Ion	Ratio	Lower	Upper
70	100		
42	55.0	53.6	80.4
101	0.0	7.3	10.9#
130	1.9	16.8	25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.8	7.2	10.8
68	5.3	4.4	6.6

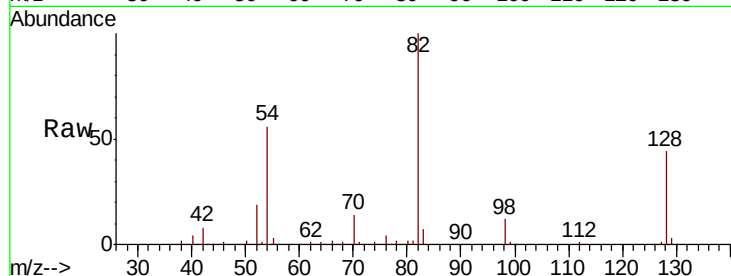




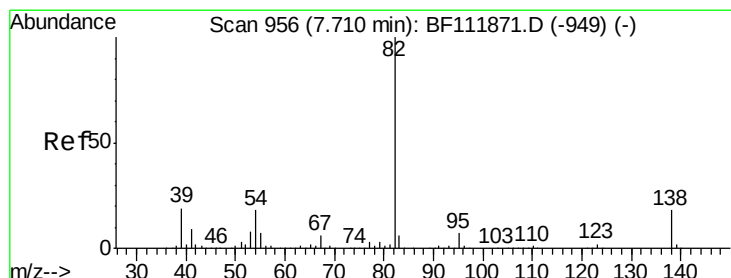
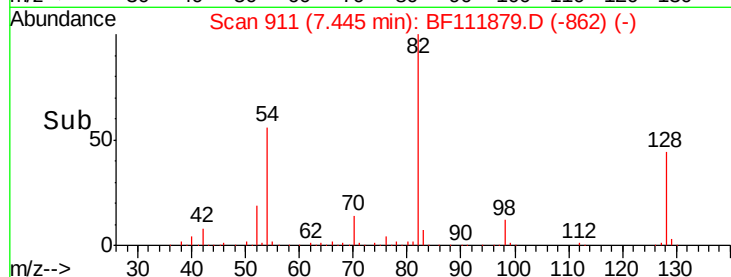
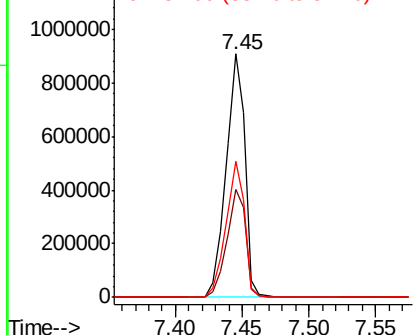
#23
 Nitrobenzene-d5
 Concen: 69.602 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF111879.D
 Acq: 7 Jan 2019 16:32

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 906258
 Ion Ratio Lower Upper
 82 100
 128 44.4 35.7 53.5
 54 56.2 45.8 68.8

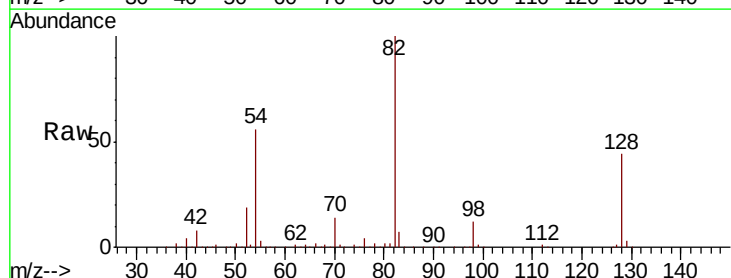


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

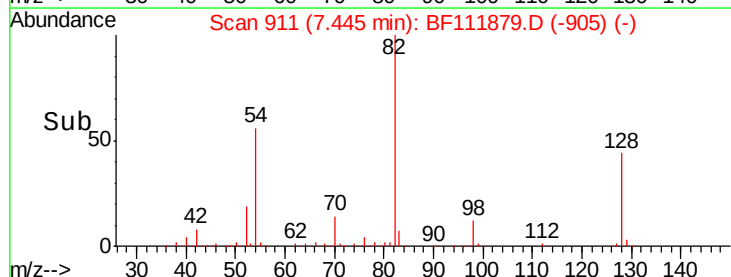
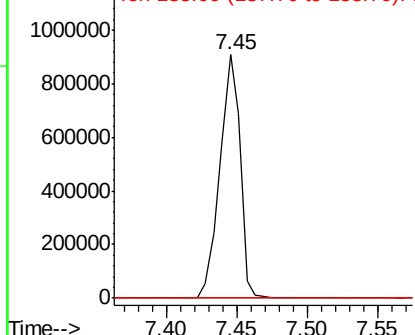


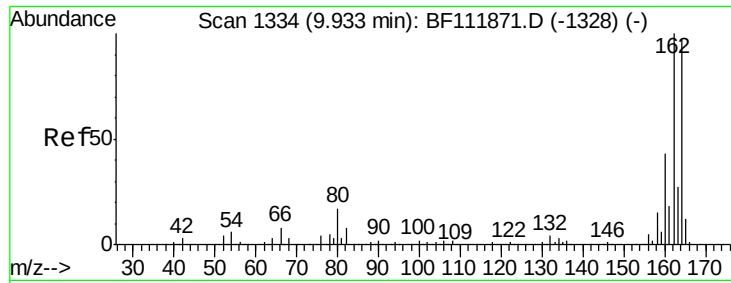
#25
 Isophorone
 Concen: 42.982 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF111879.D
 Acq: 7 Jan 2019 16:32

Tgt Ion: 82 Resp: 906243
 Ion Ratio Lower Upper
 82 100
 95 0.0 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

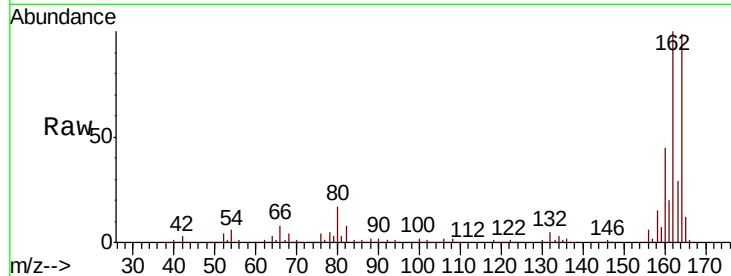




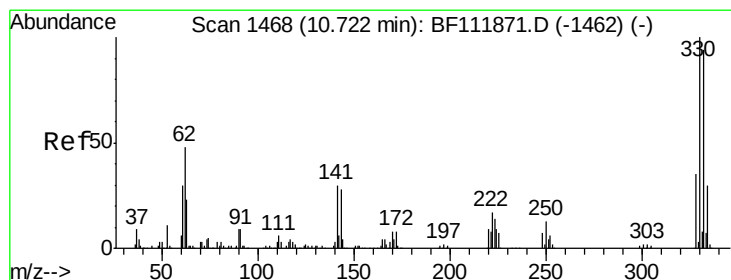
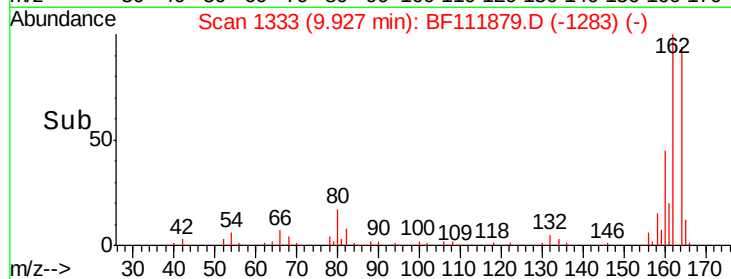
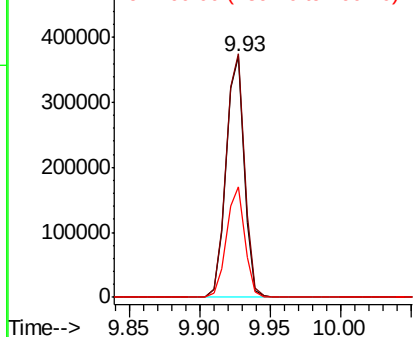
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 331743
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 45.7 35.5 53.3

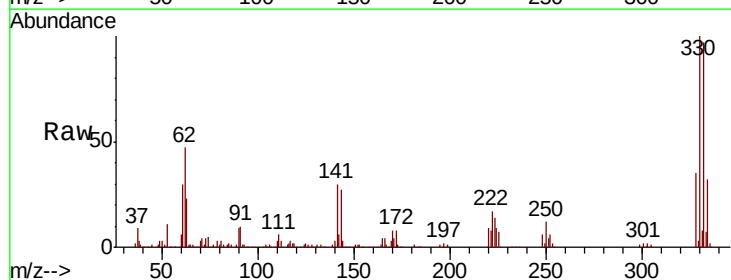


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

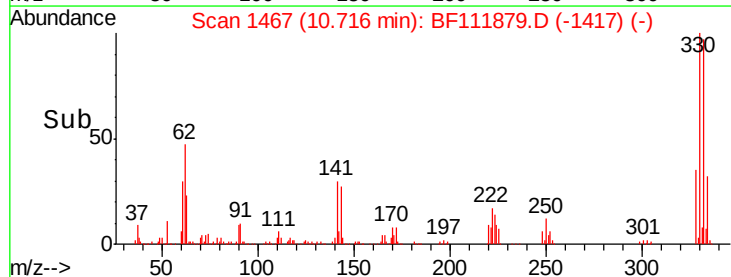
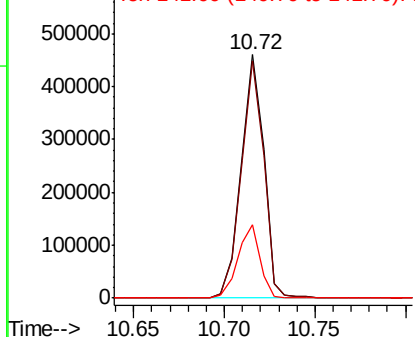


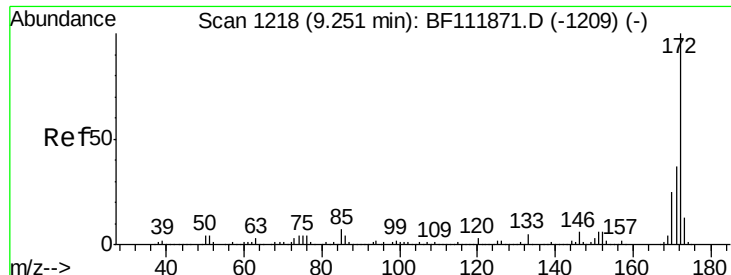
#42
2,4,6-Tribromophenol
Concen: 93.265 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion:330 Resp: 402434
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 29.8 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

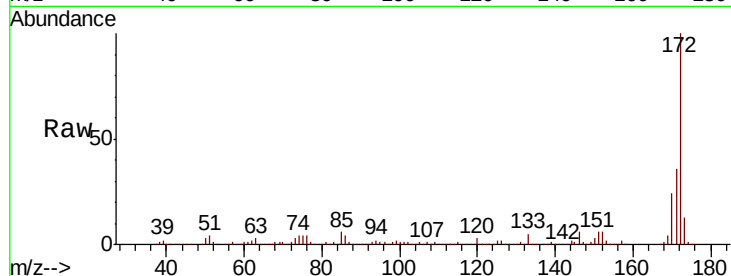




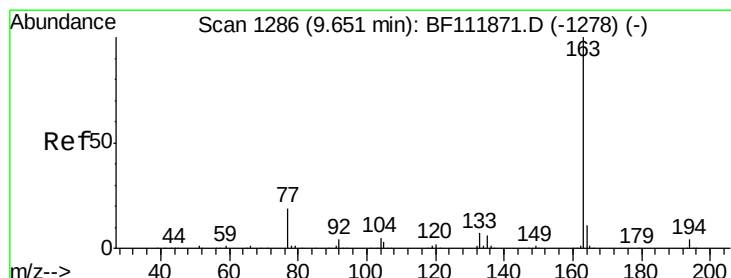
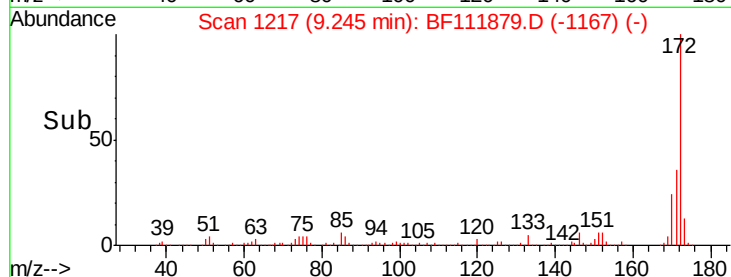
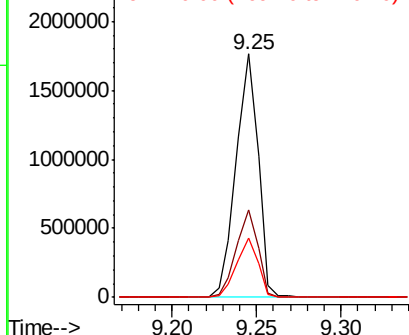
#45
2-Fluorobiphenyl
Concen: 70.717 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1608820
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.2 19.8 29.8

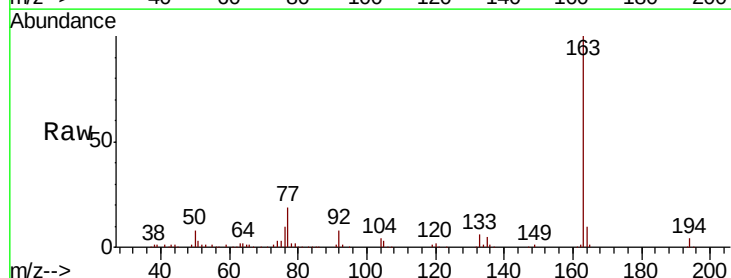


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

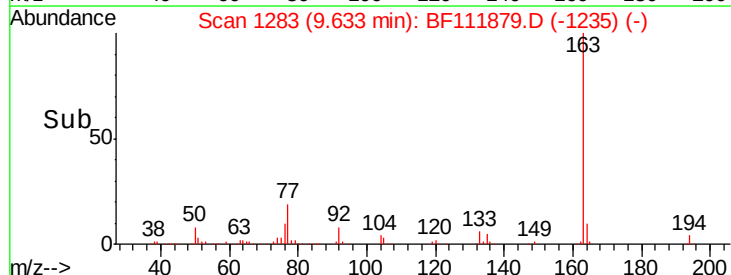
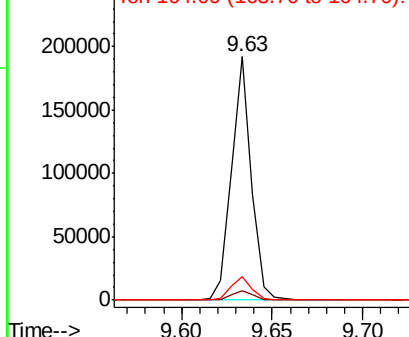


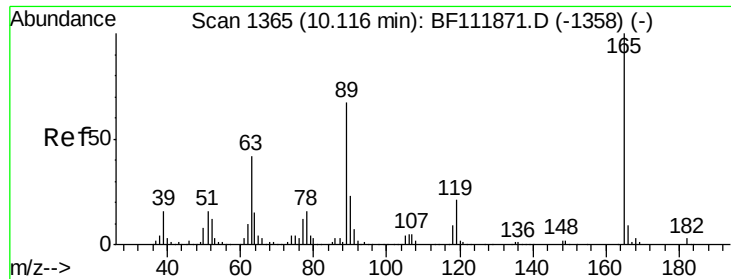
#50
Dimethylphthalate
Concen: 5.870 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion:163 Resp: 146284
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.9 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 5.948 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 42830

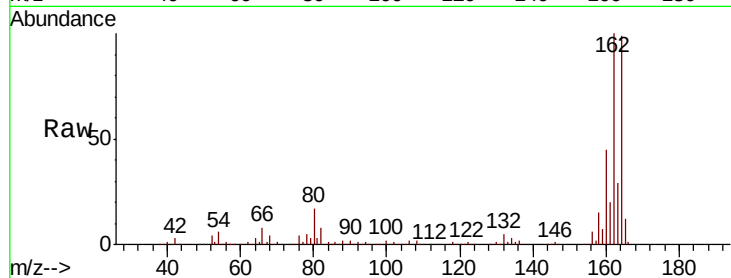
Ion Ratio Lower Upper

165 100

63 1.8 34.1 51.1#

89 1.9 53.5 80.3#

182 0.0 2.0 3.0#

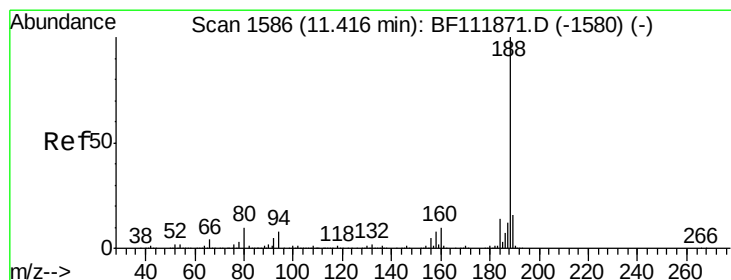
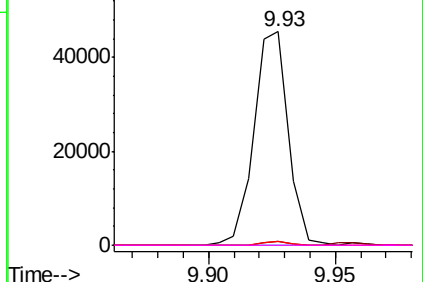
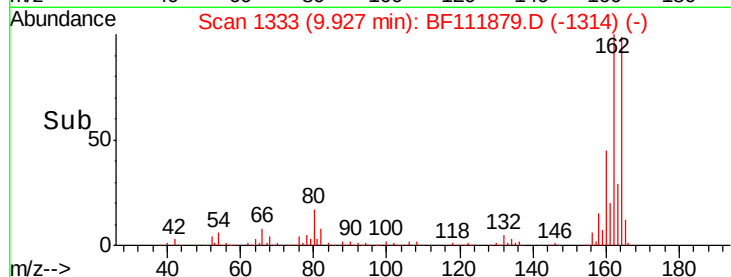


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

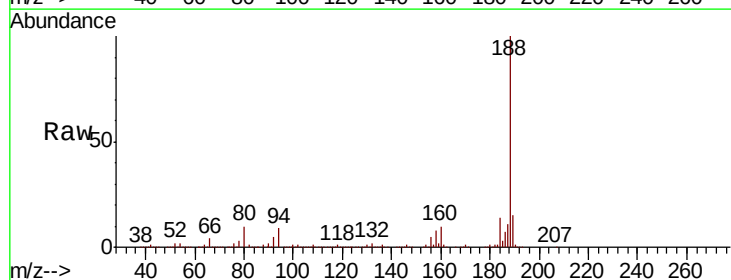
Tgt Ion:188 Resp: 609417

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

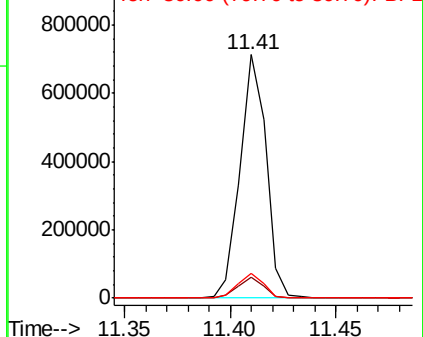
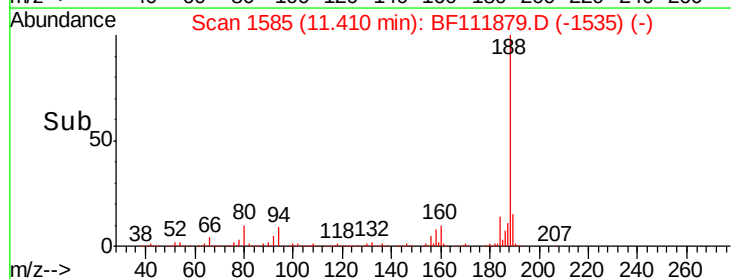
80 10.1 7.7 11.5

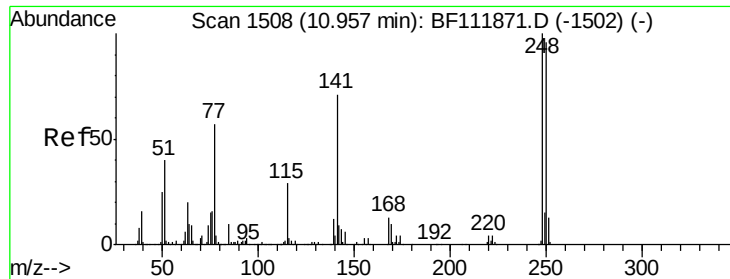


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

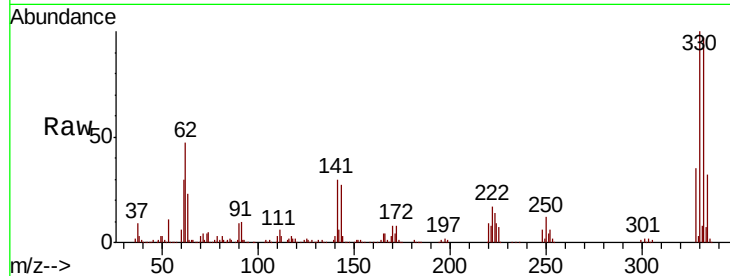




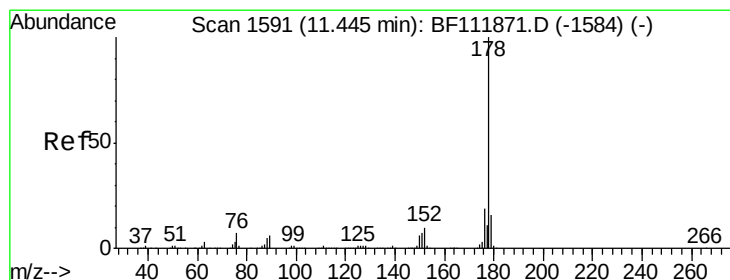
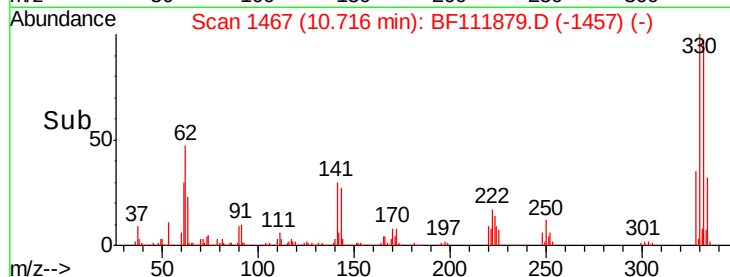
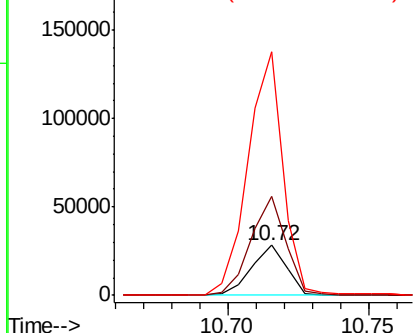
#67
4-Bromophenyl-phenylether
Concen: 3.099 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24460
Ion Ratio Lower Upper
248 100
250 197.9 76.8 115.2#
141 484.6 57.0 85.6#

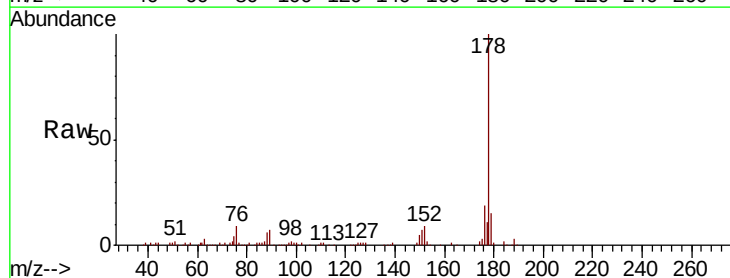


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

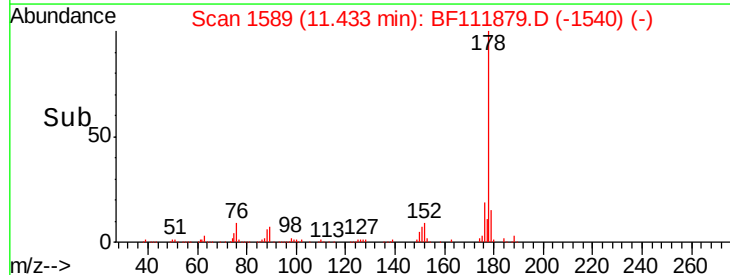
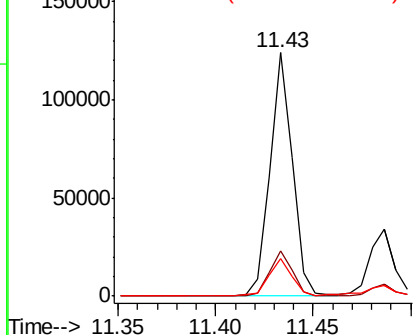


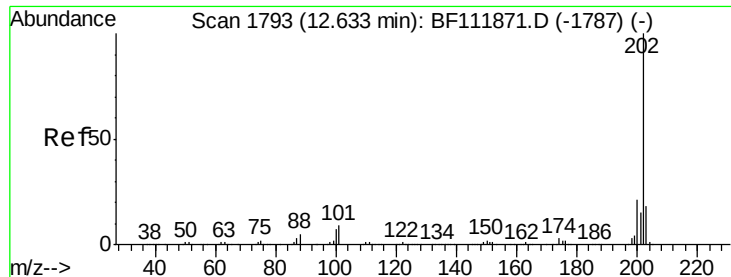
#71
Phenanthrene
Concen: 3.038 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion:178 Resp: 99001
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.3 12.6 18.8



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: 4.913 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

ClientSampled :

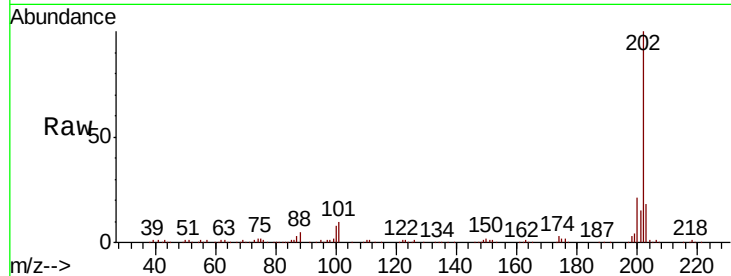
Tot Ion:202 Resp: 164319

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.3

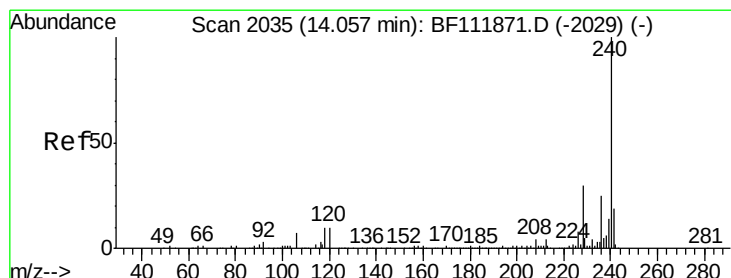
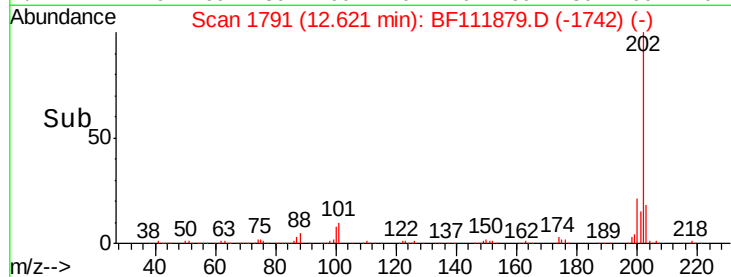
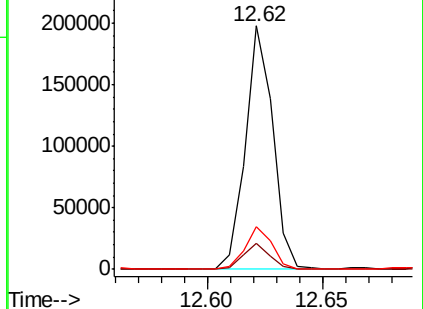
203 17.7 0.0 37.6



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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

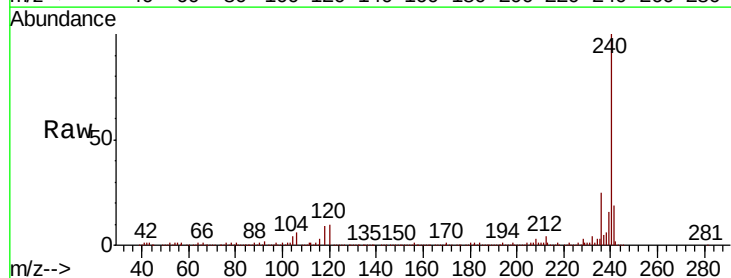
Tgt Ion:240 Resp: 399102

Ion Ratio Lower Upper

240 100

120 9.6 8.2 12.2

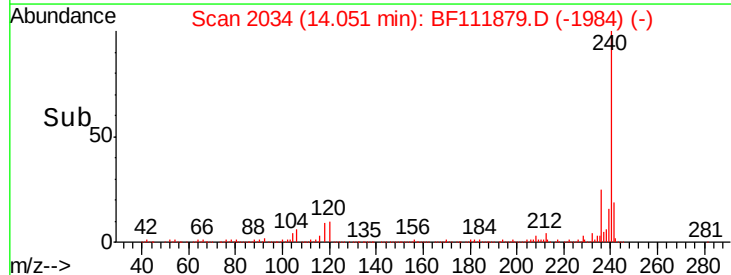
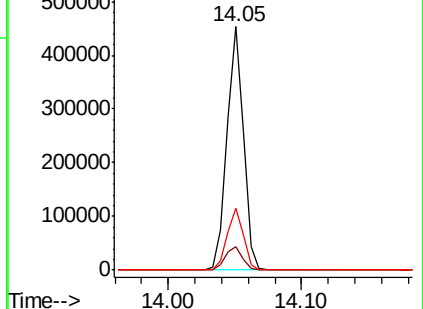
236 25.3 20.2 30.4

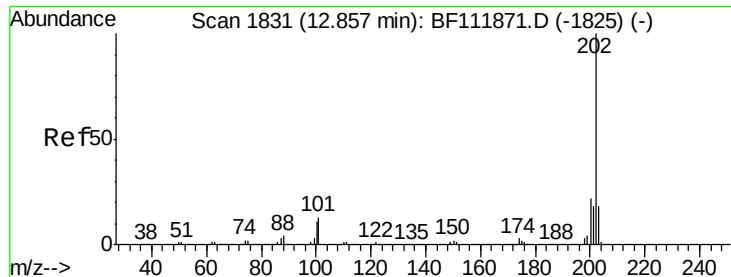


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

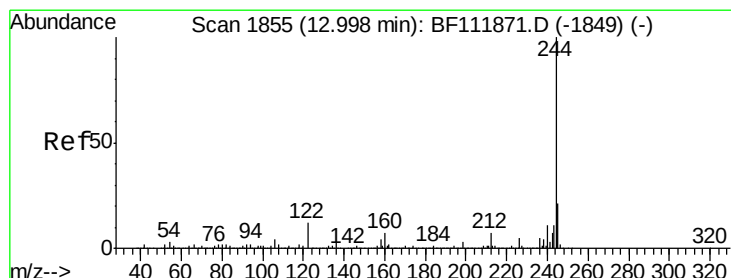
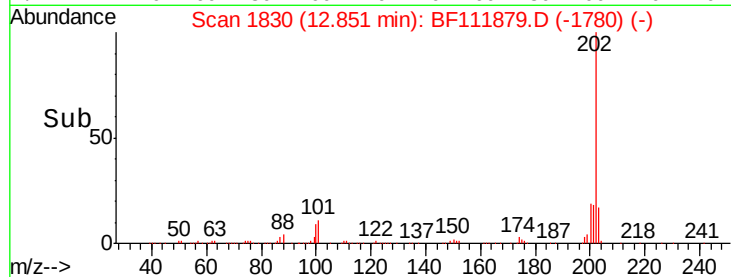
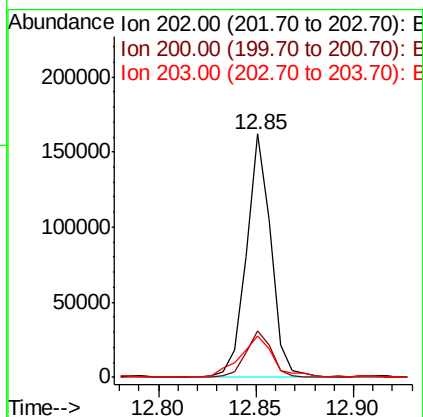
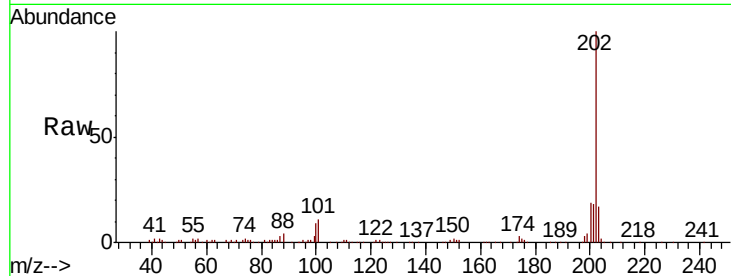




#78
Pvrene
Concen: 5.165 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

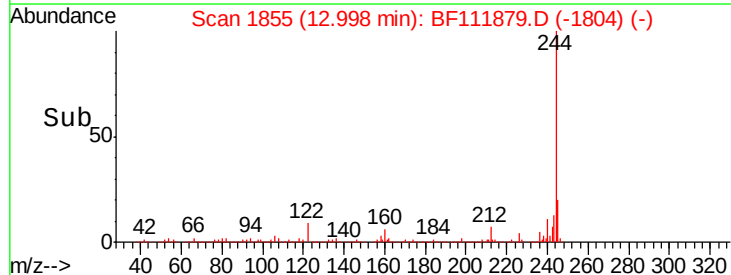
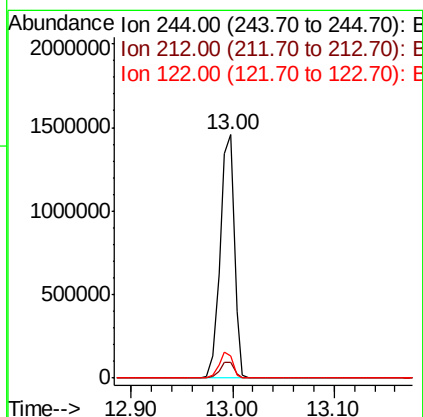
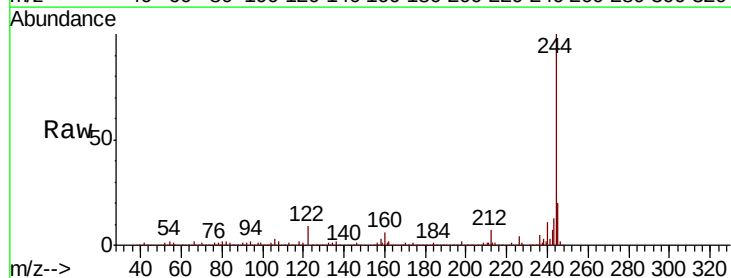
Instrument :
BNA_F
ClientSampleId :

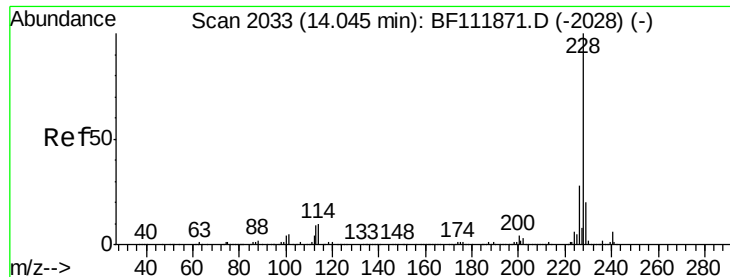
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.9	17.4	26.2
203	17.1	14.6	21.8



#79
Terphenyl-d14
Concen: 67.145 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.2	9.5	14.3#





#81

Benzo(a)anthracene

Concen: 2.932 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

ClientSampled :

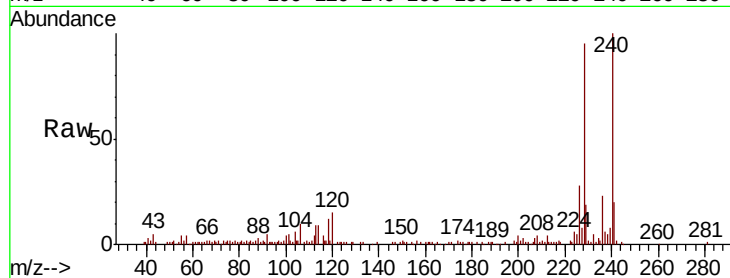
Tot Ion:228 Resp: 67350

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.2

229 20.1 16.2 24.2

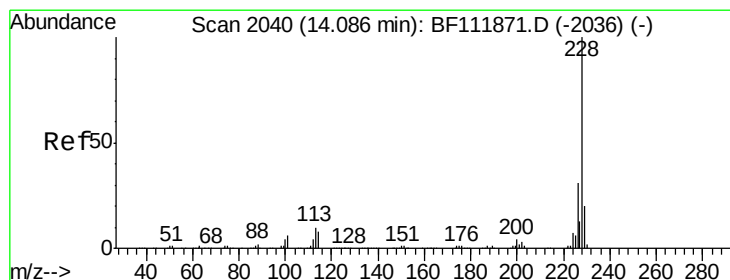
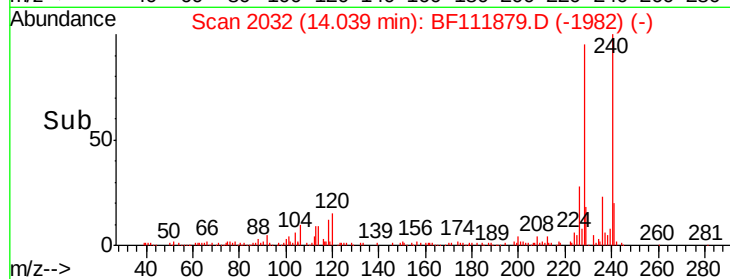
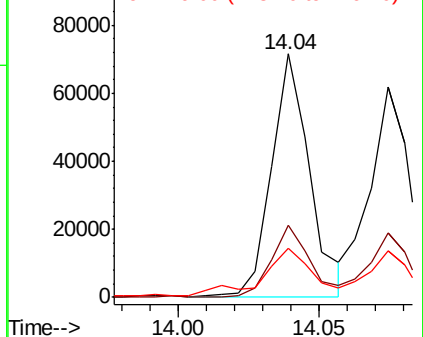


Abundance

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: 2.760 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

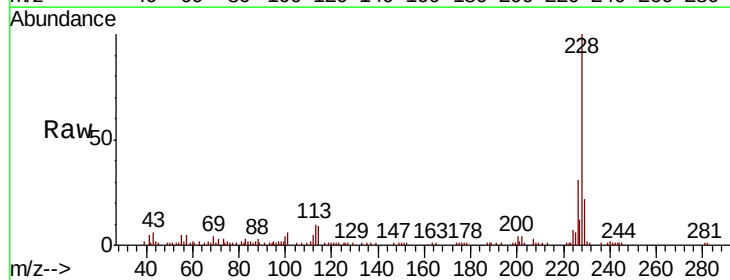
Tgt Ion:228 Resp: 60439

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

229 22.1 15.7 23.5

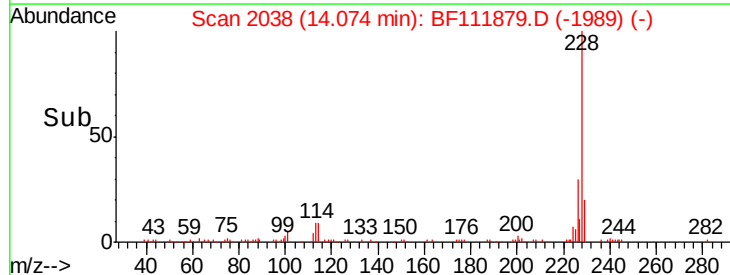
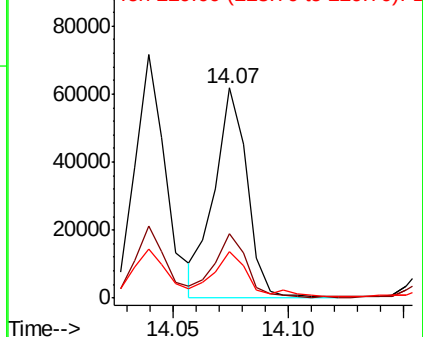


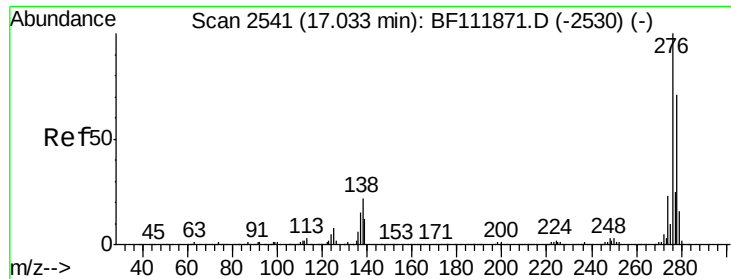
Abundance

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

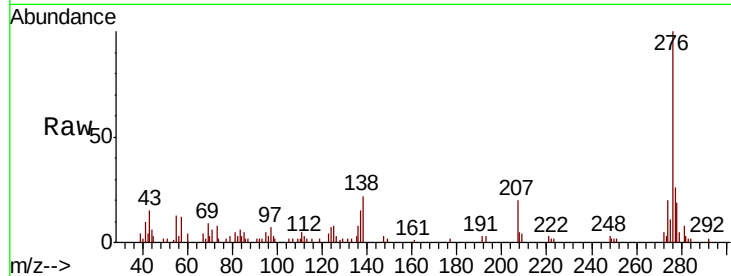




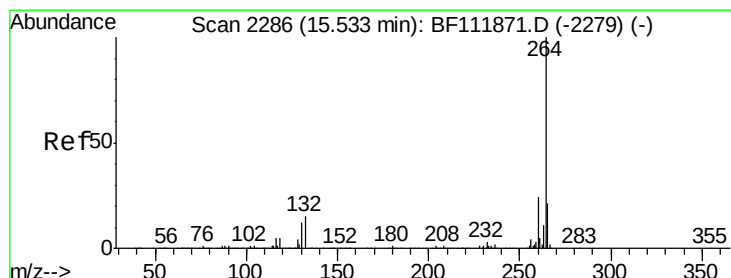
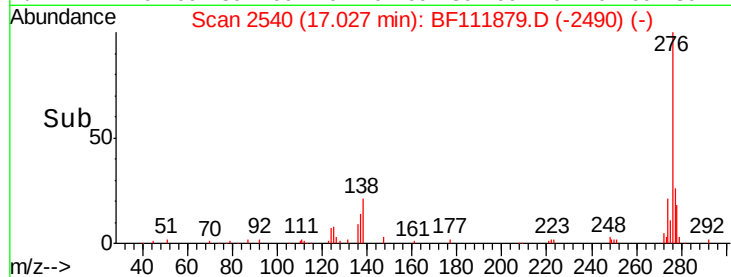
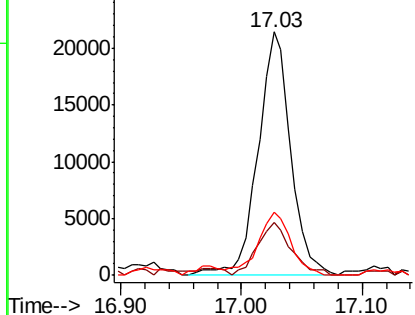
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.532 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 40422
Ion Ratio Lower Upper
276 100
138 22.7 18.1 27.1
277 26.4 19.9 29.9

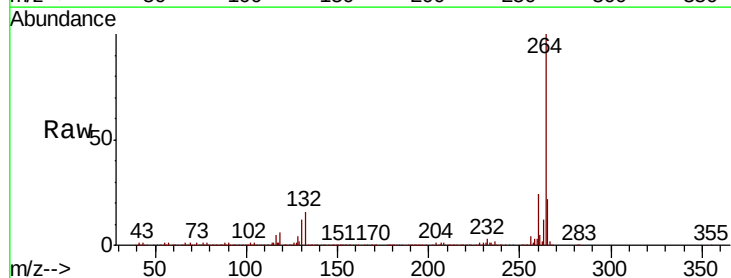


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

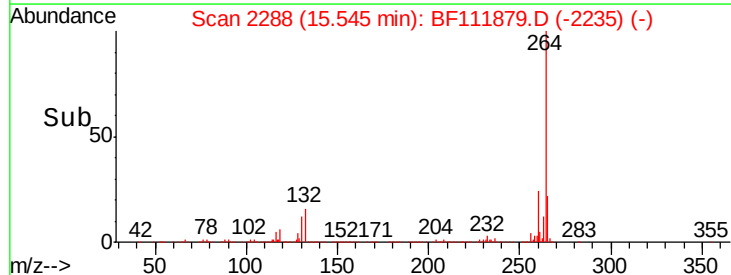
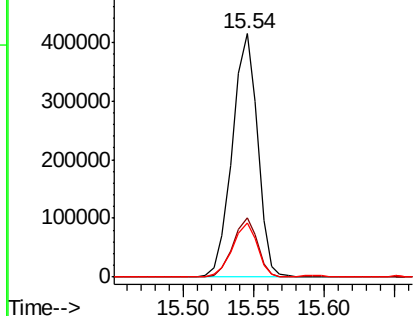


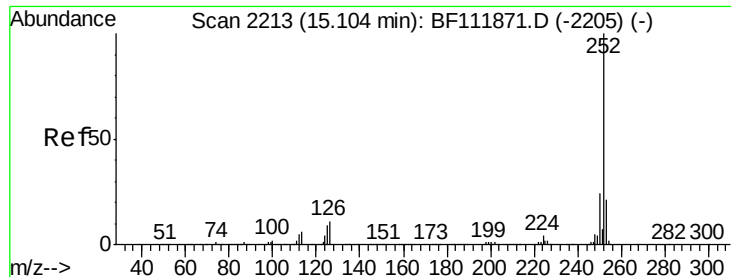
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion:264 Resp: 517170
Ion Ratio Lower Upper
264 100
260 24.3 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

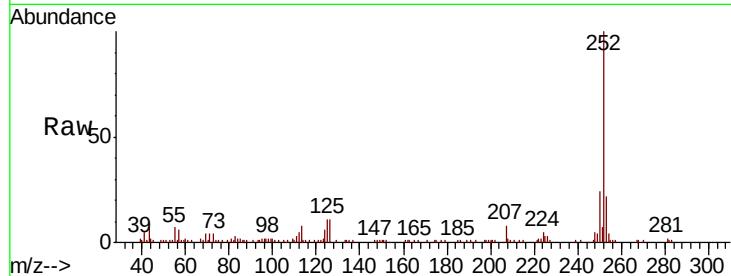




#88
Benzo(b)fluoranthene
Concen: 4.026 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	11.5	7.1	10.7#

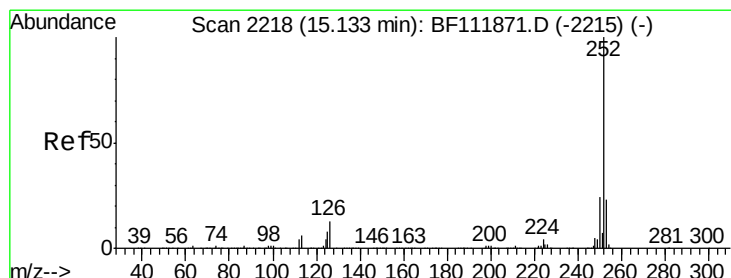
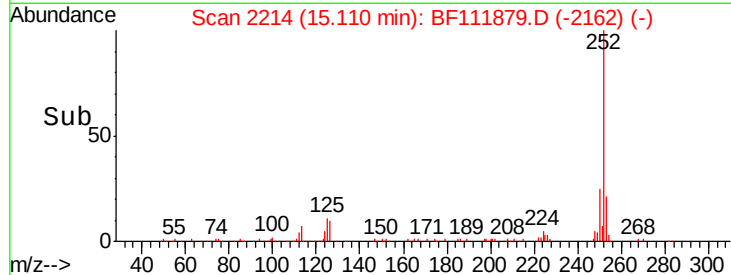
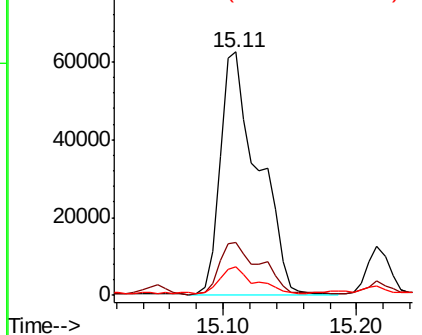


Abundance

Ion 252.00 (251.70 to 252.70): E

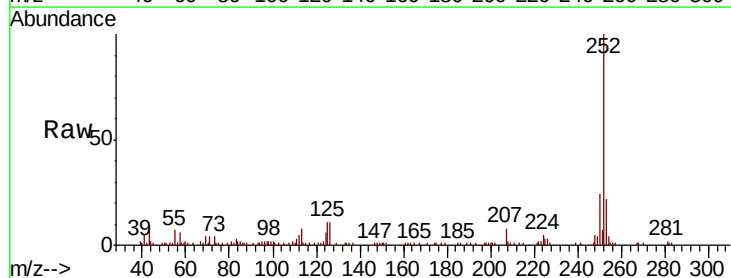
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.283 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF111879.D
Acq: 7 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	11.5	7.0	10.4#

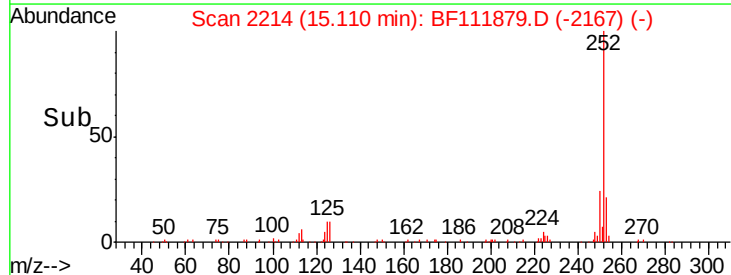
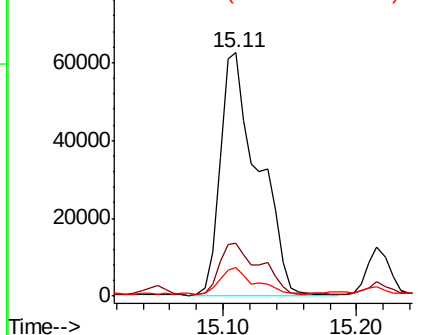


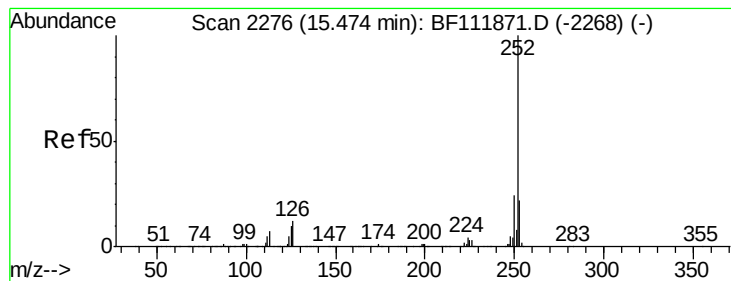
Abundance

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: 2.708 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.00 min

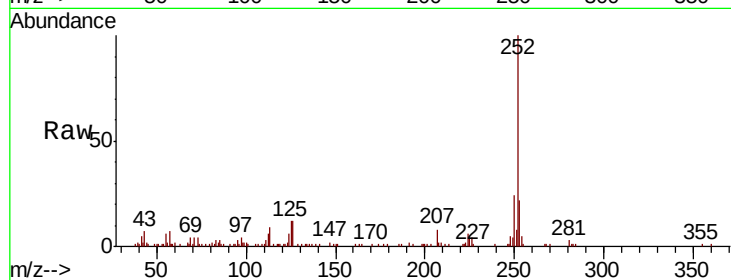
Lab File: BF111879.D

Acq: 7 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :



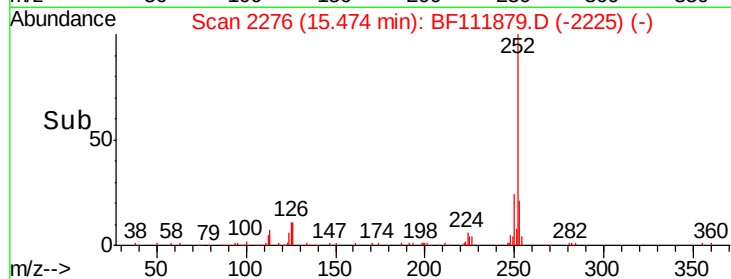
Tot Ion: 252 Resp: 73655

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 12.0 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

