

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111970.D
 Acq On : 10 Jan 2019 00:42
 Operator : JU/SJ
 Sample : K1075-15RE 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:55:51 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	102815	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	427969	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	207956	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	340624	20.00	ng	0.00
76) Chrysene-d12	14.06	240	130397	20.00	ng	0.00
87) Perylene-d12	15.55	264	168981	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	148947	24.78	ng	0.00
7) Phenol-d6	6.52	99	165052	21.31	ng	-0.01
23) Nitrobenzene-d5	7.44	82	95520	11.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	37232	13.76	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	209192	14.67	ng	-0.01
79) Terphenyl-d14	12.99	244	91641	13.34	ng	0.00

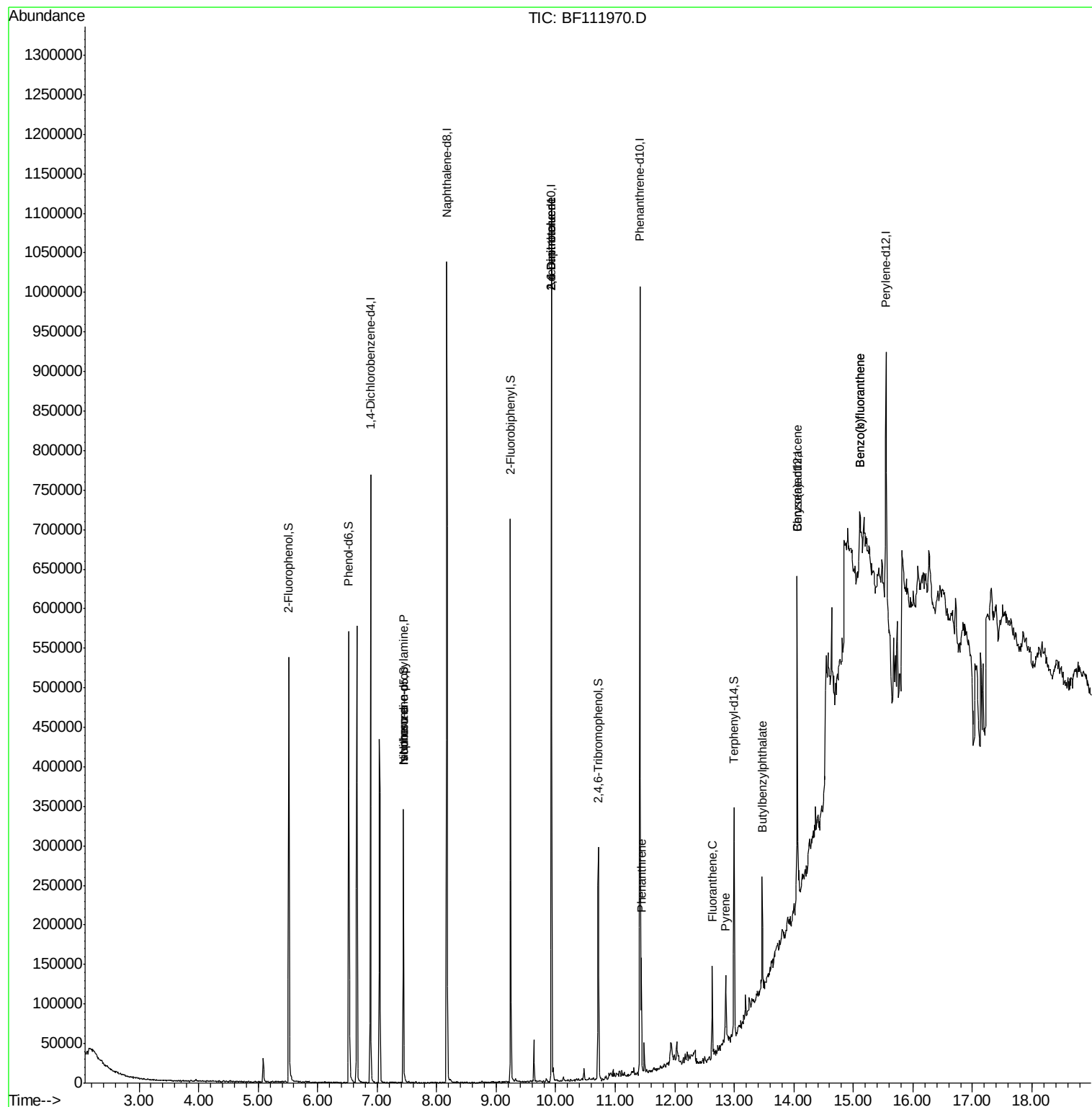
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	3169	Below Cal		# 69
19) n-Nitroso-di-n-propylamine	7.44	70	12033	2.391	ng	# 84
25) Isophorone	7.44	82	95519	7.366	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	26589	7.611	ng	# 26
57) 2,4-Dinitrotoluene	9.93	165	26589	5.890	ng	# 27
71) Phenanthrene	11.44	178	53283	2.926	ng	97
75) Fluoranthene	12.63	202	40963	2.191	ng	98
78) Pyrene	12.86	202	34084	3.799	ng	98
80) Butylbenzylphthalate	13.47	149	30259	7.977	ng	96
81) Benzo(a)anthracene	14.05	228	15034	2.003	ng	93
88) Benzo(b)fluoranthene	15.11	252	33528	3.317	ng	# 63
89) Benzo(k)fluoranthene	15.11	252	33528	3.529	ng	# 65

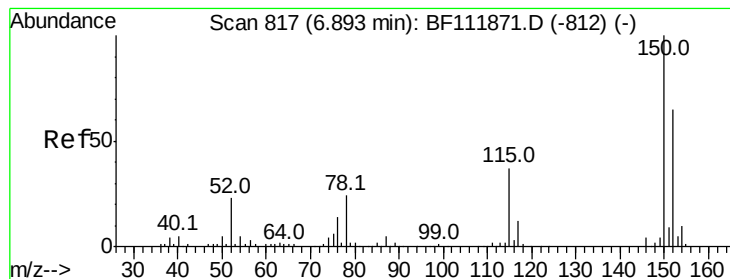
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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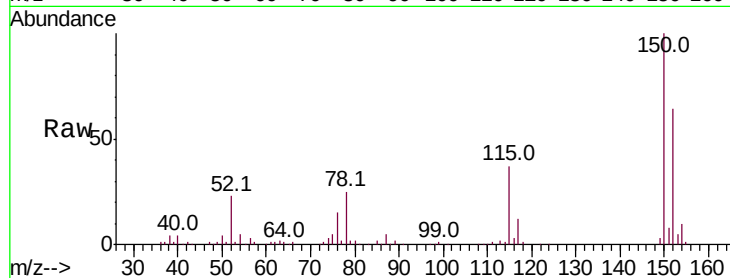


#1

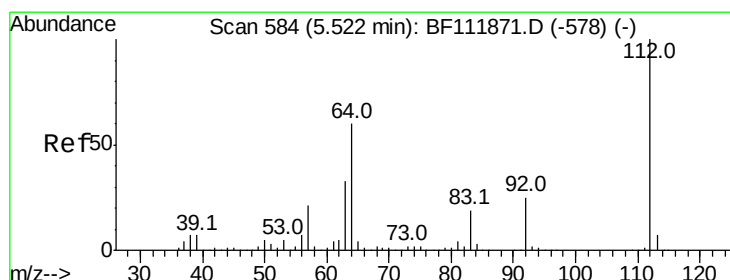
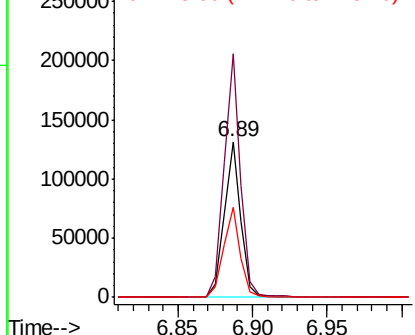
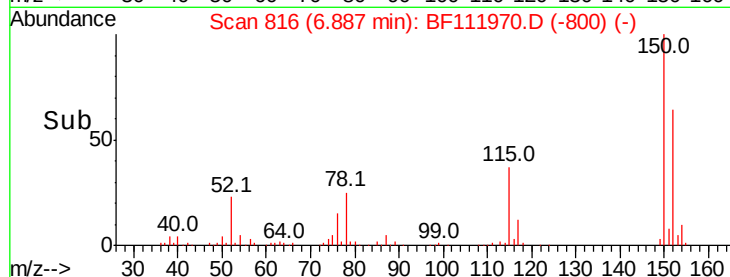
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102815
Ion Ratio Lower Upper
152 100
150 156.7 122.7 184.1
115 57.9 45.2 67.8



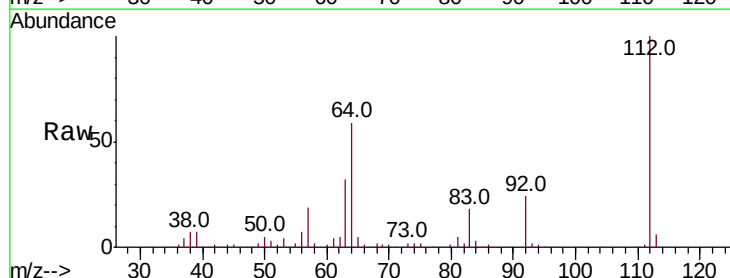
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



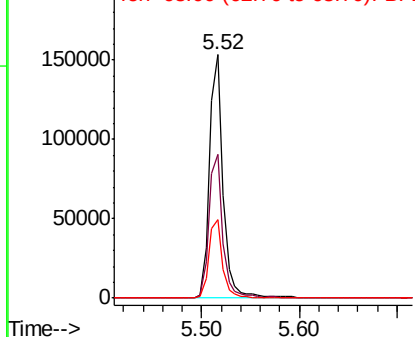
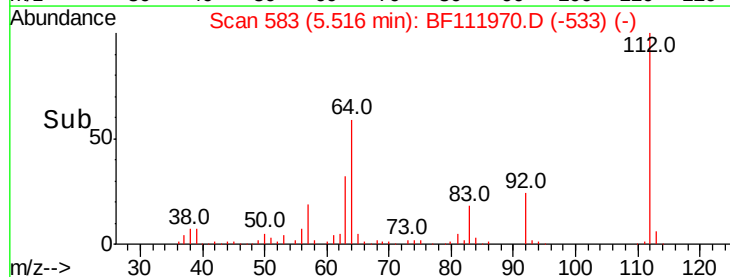
#5

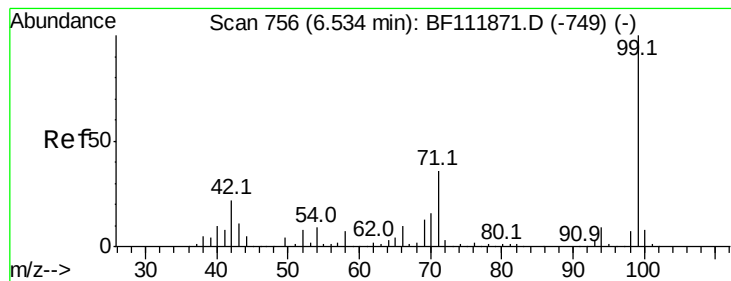
2-Fluorophenol
Concen: 24.784 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

Tgt Ion:112 Resp: 148947
Ion Ratio Lower Upper
112 100
64 58.9 48.3 72.5
63 32.3 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: 21.309 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

Instrument :

BNA_F

ClientSampled :

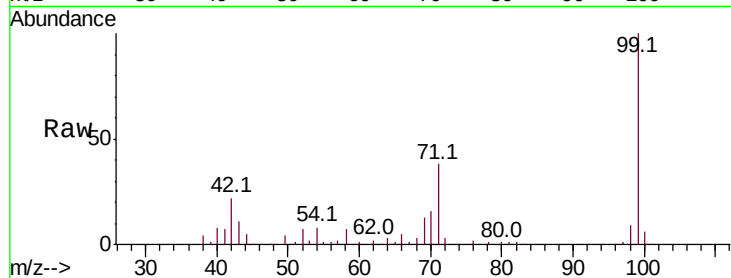
Tot Ion: 99 Resp: 165052

Ion Ratio Lower Upper

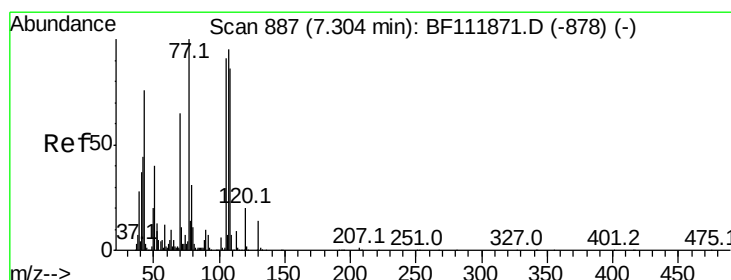
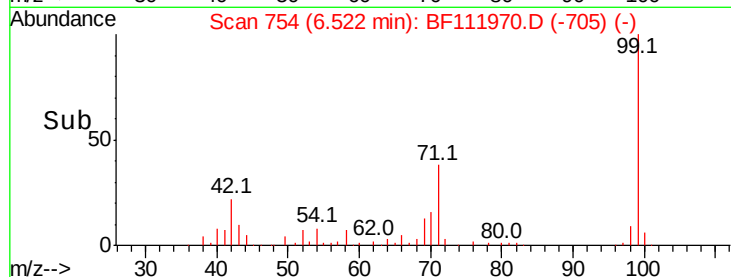
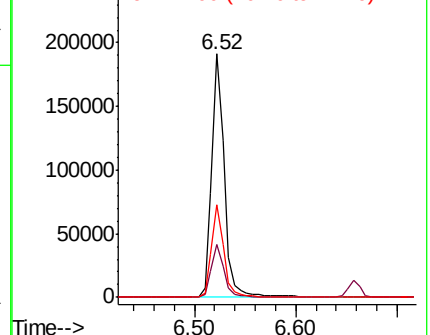
99 100

42 22.0 17.9 26.9

71 38.2 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: 2.391 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

Tgt Ion: 70 Resp: 12033

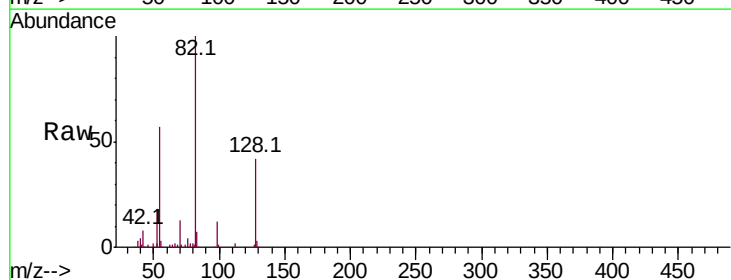
Ion Ratio Lower Upper

70 100

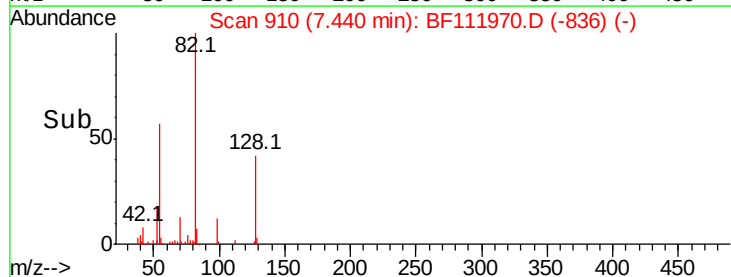
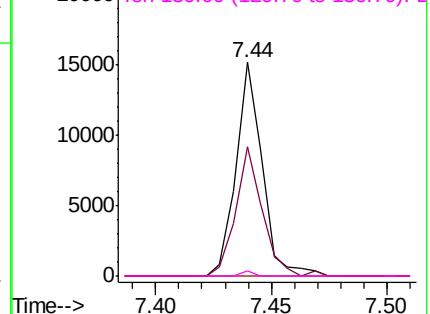
42 60.7 53.6 80.4

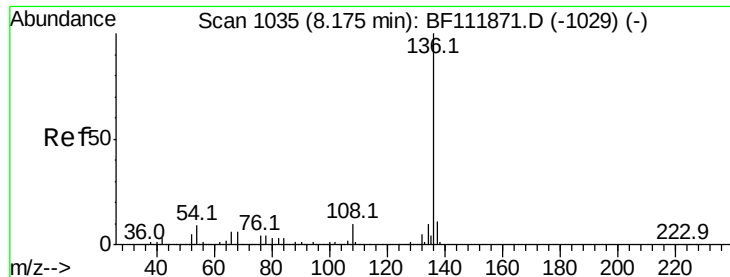
101 0.0 7.3 10.9#

130 2.6 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

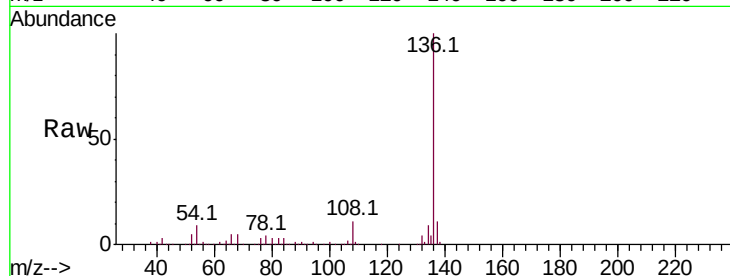




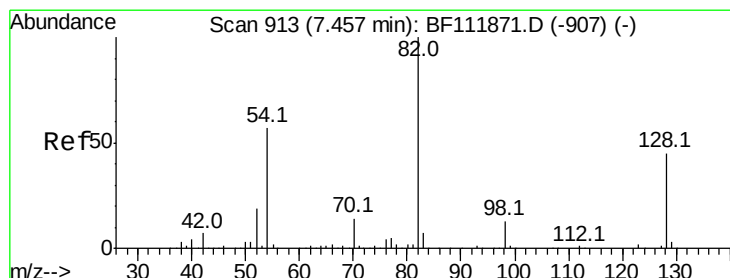
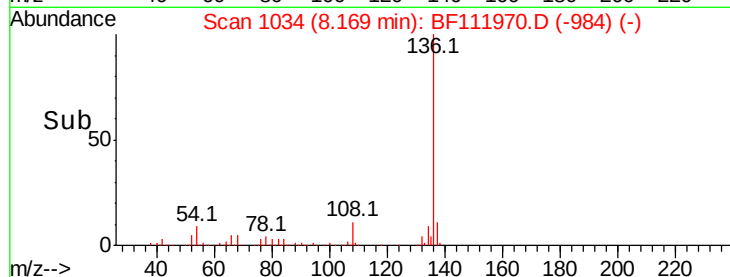
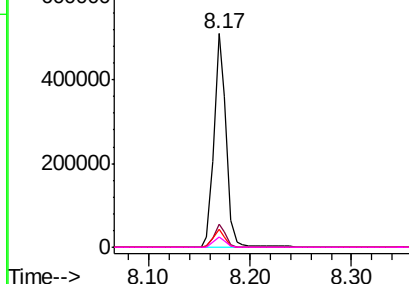
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	427969
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.7	7.2	10.8
68	5.0	4.4	6.6

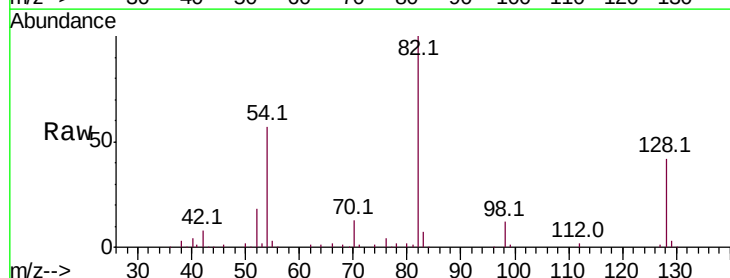


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

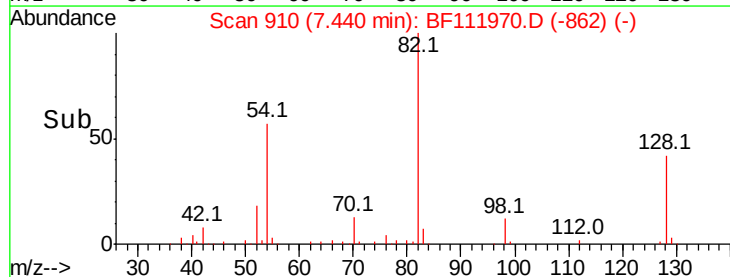
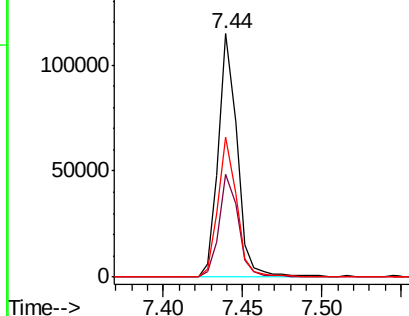


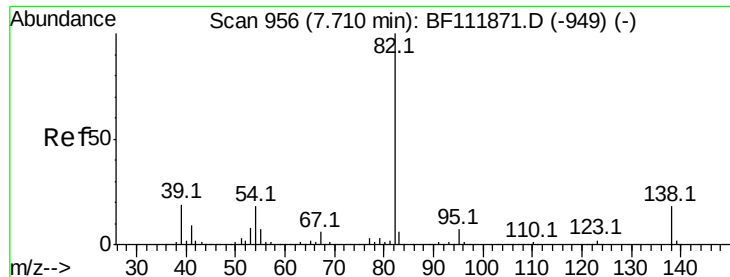
#23
Nitrobenzene-d5
Concen: 11.929 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

Tgt Ion:	82	Resp:	95520
Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.7	53.5
54	57.2	45.8	68.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
150000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.366 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

Instrument :

BNA_F

ClientSampleId :

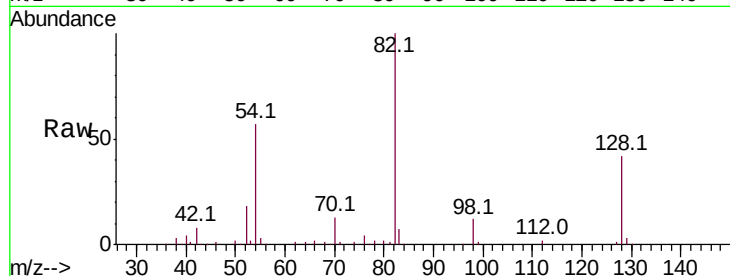
Tot Ion: 82 Resp: 95519

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

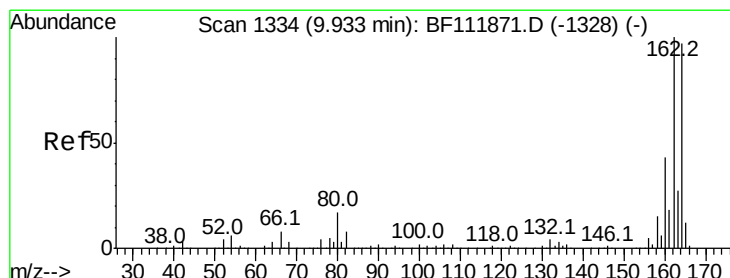
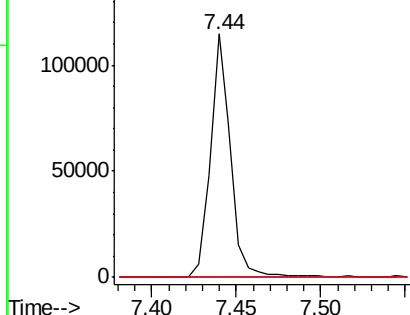
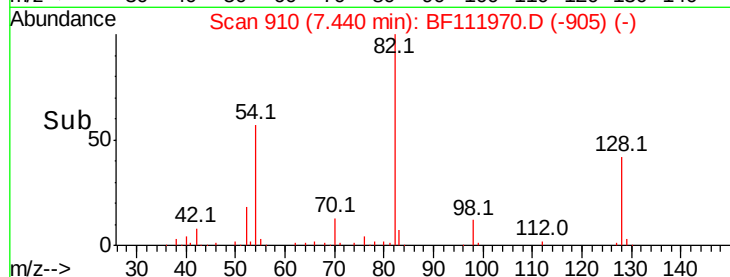
138 0.0 14.4 21.6#



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: BF111970.D

Acq: 10 Jan 2019 00:42

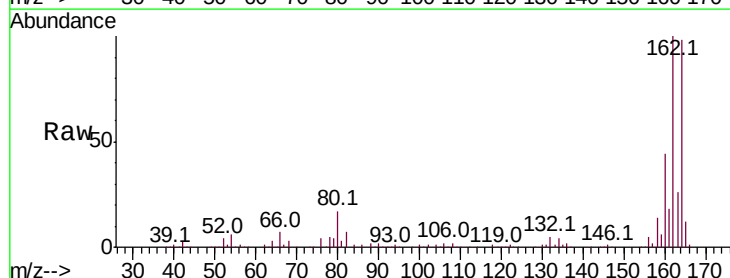
Tgt Ion: 164 Resp: 207956

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.2

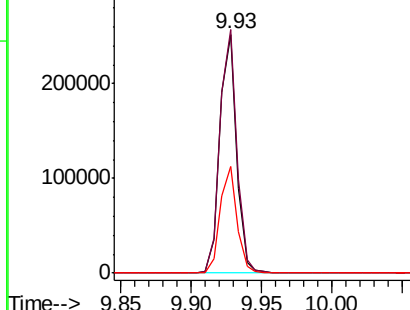
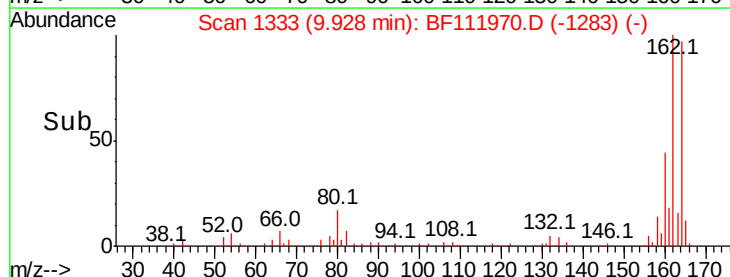
160 44.6 35.5 53.3

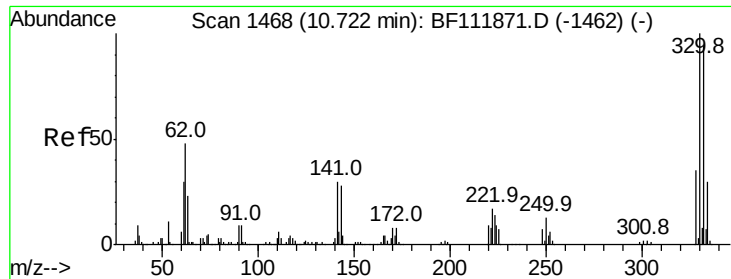


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

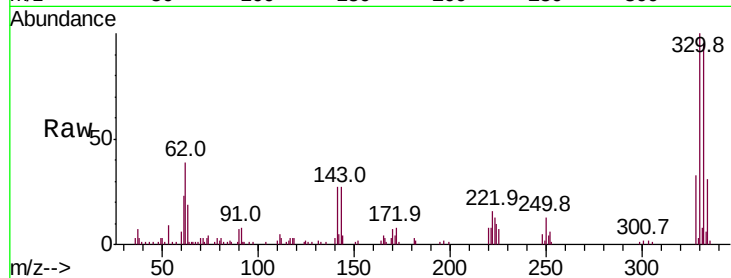




#42
 2,4,6-Tribromophenol
 Concen: 13.765 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111970.D
 Acq: 10 Jan 2019 00:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	30.2	23.7	35.5

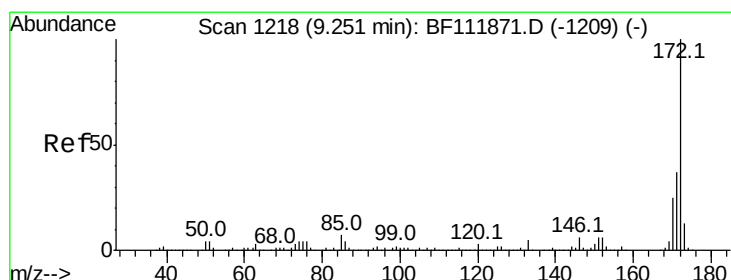
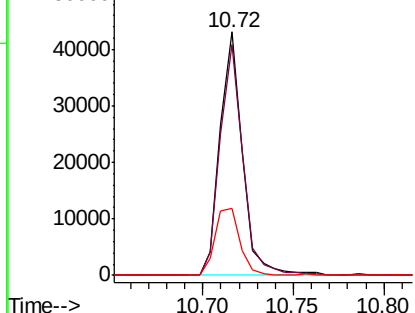
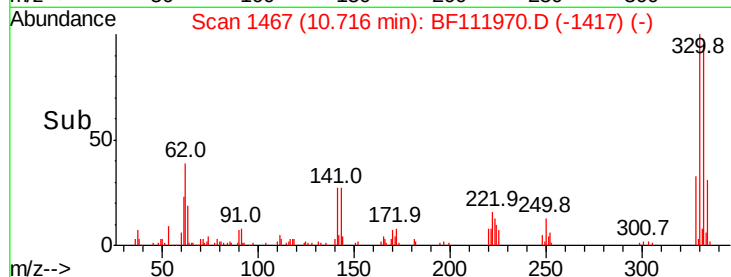


Abundance

Ion 329.80 (329.50 to 330.50): E

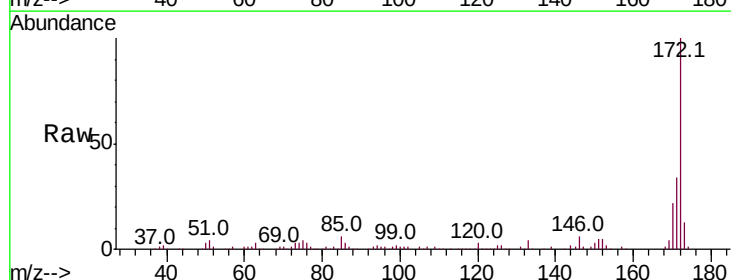
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.669 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111970.D
 Acq: 10 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	21.9	19.8	29.8

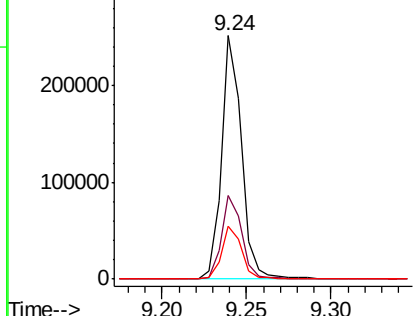
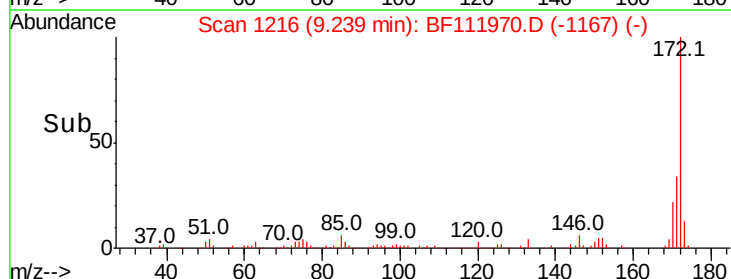


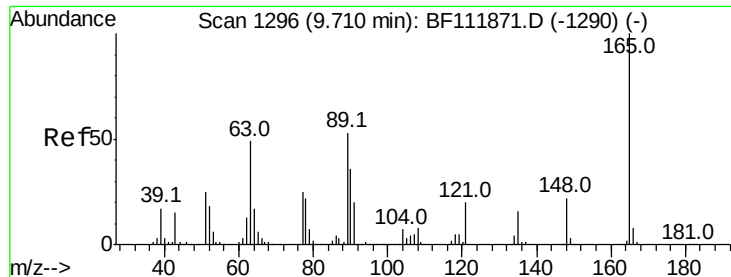
Abundance

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

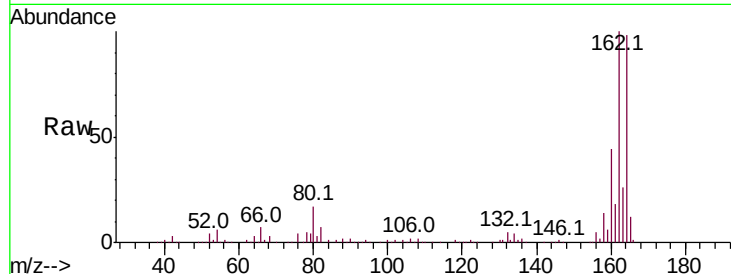




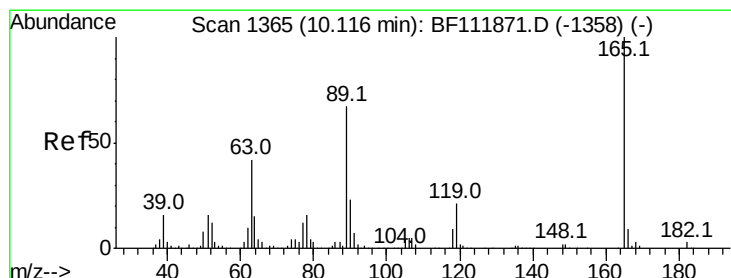
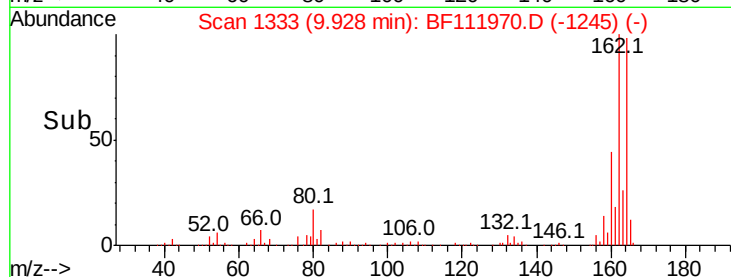
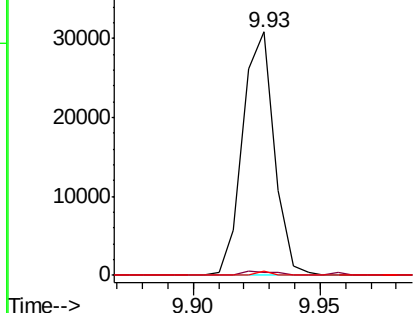
#51
 2,6-Dinitrotoluene
 Concen: 7.611 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111970.D
 Acq: 10 Jan 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	46.2	69.2#
89	1.9	42.2	63.2#

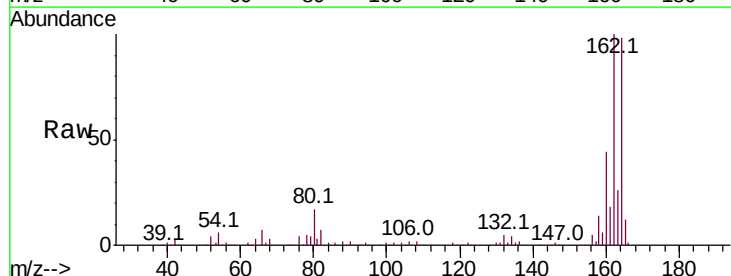


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

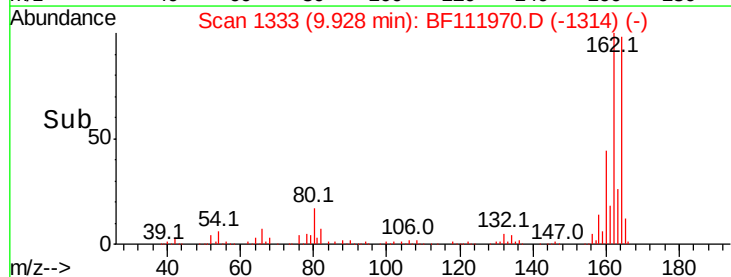
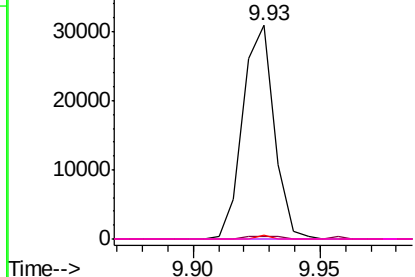


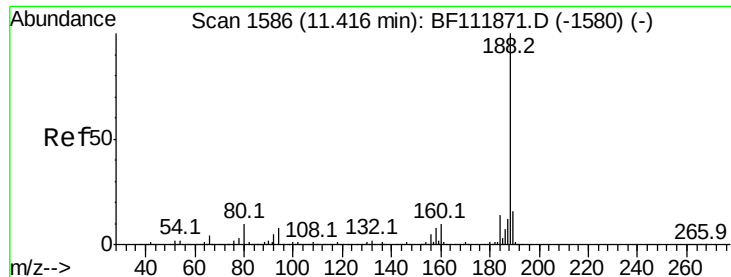
#57
 2,4-Dinitrotoluene
 Concen: 5.890 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF111970.D
 Acq: 10 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	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: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

Instrument :

BNA_F

ClientSampleId :

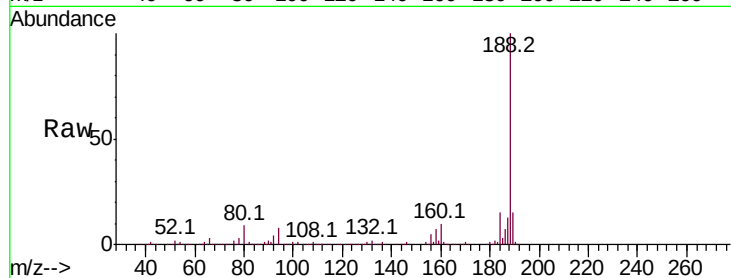
Tot Ion:188 Resp: 340624

Ion Ratio Lower Upper

188 100

94 7.6 6.6 10.0

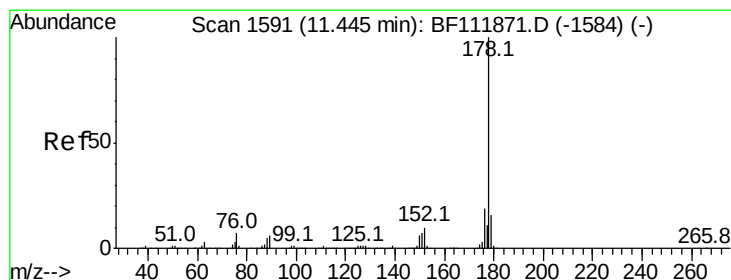
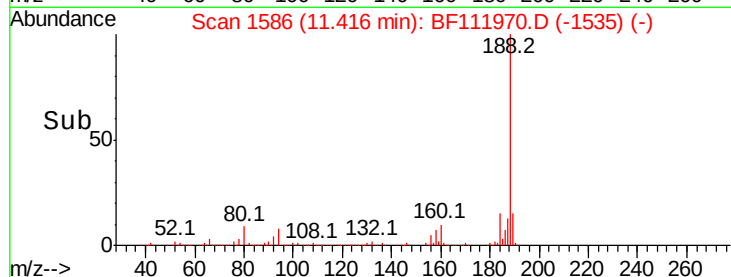
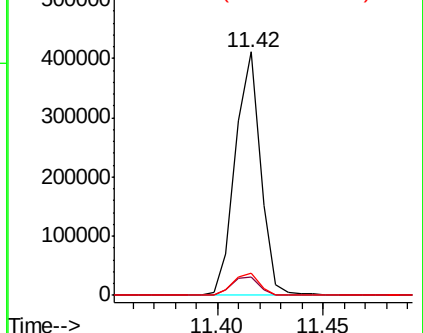
80 8.9 7.7 11.5



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



#71

Phenanthrene

Concen: 2.926 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

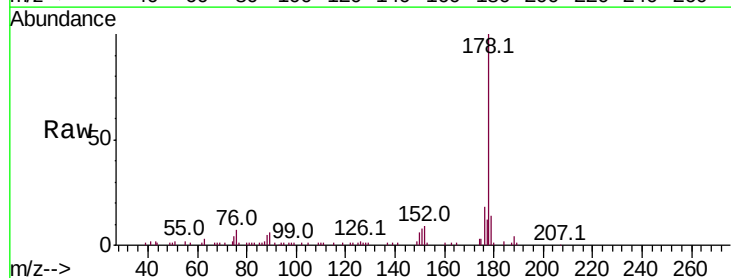
Tgt Ion:178 Resp: 53283

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

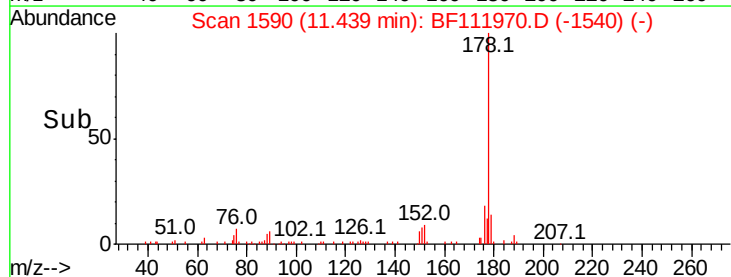
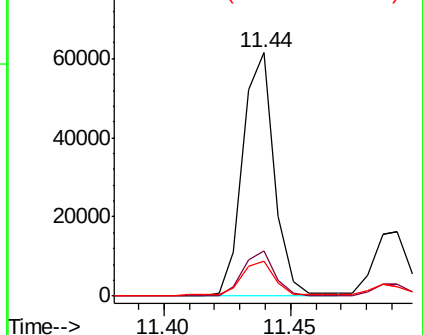
179 14.2 12.6 18.8

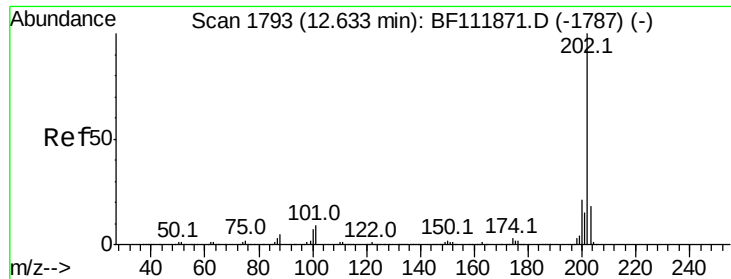


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.191 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

Instrument :

BNA_F

ClientSampleId :

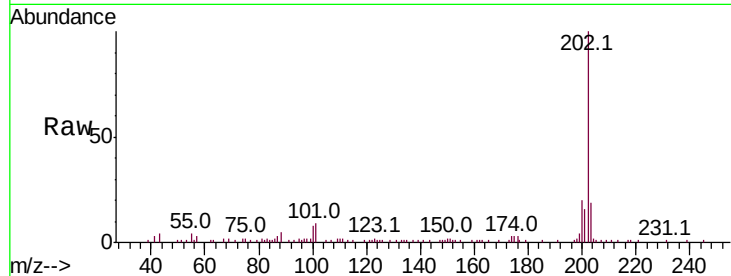
Tot Ion:202 Resp: 40963

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.3

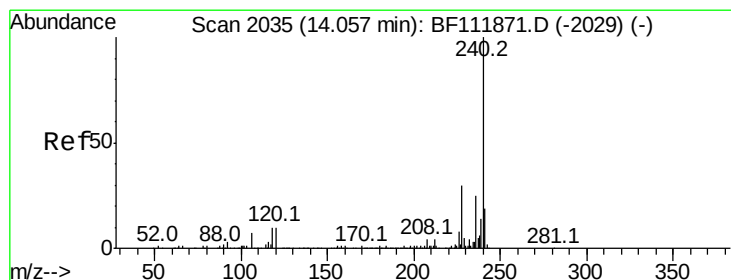
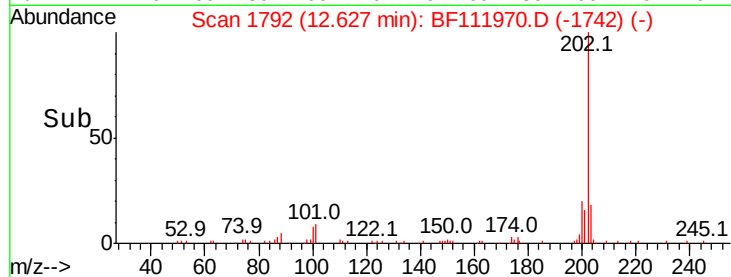
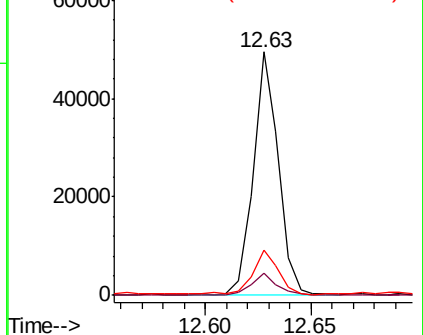
203 18.8 0.0 37.6



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: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

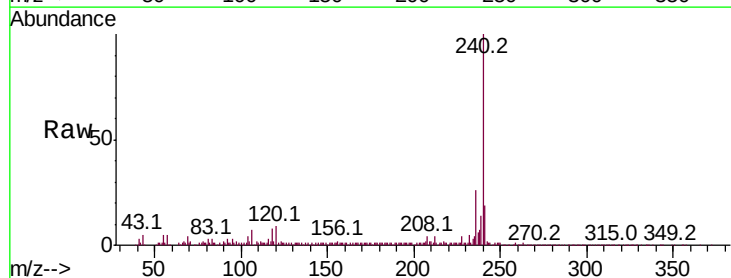
Tgt Ion:240 Resp: 130397

Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

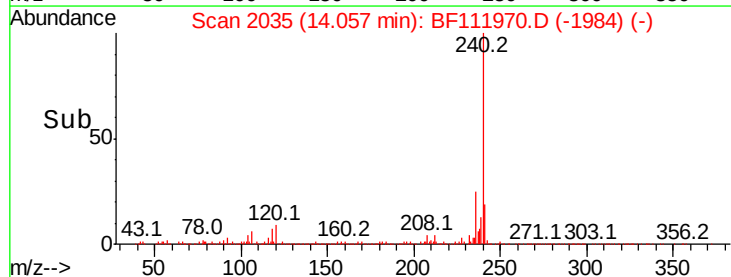
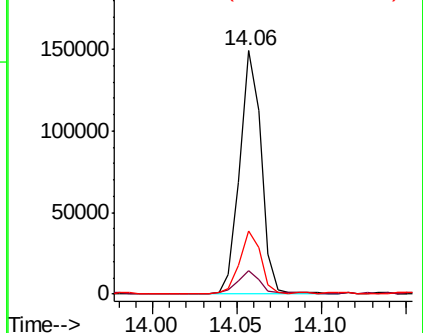
236 25.7 20.2 30.4

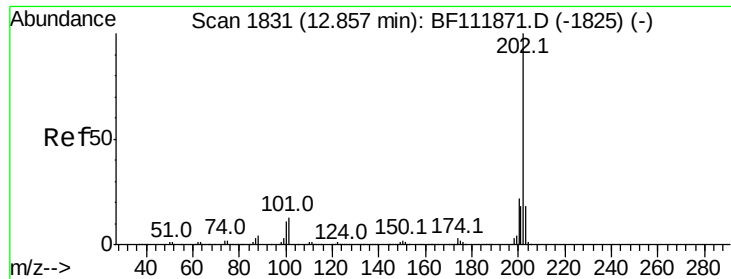


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

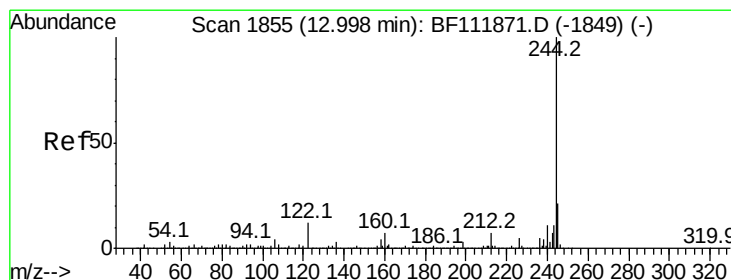
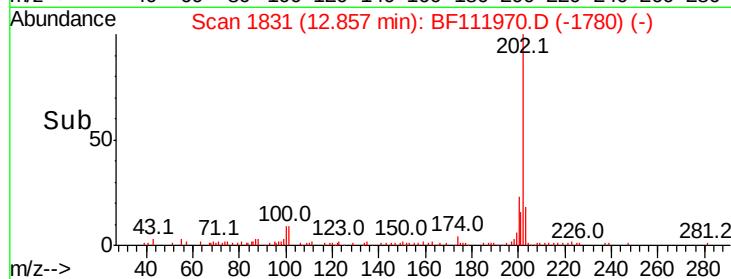
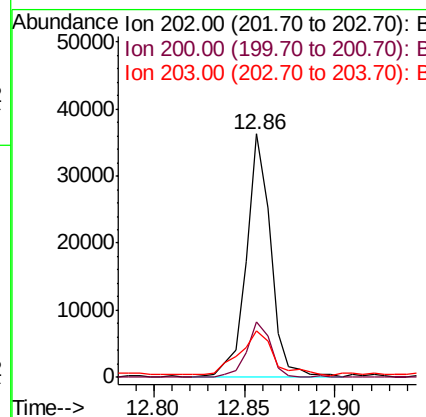
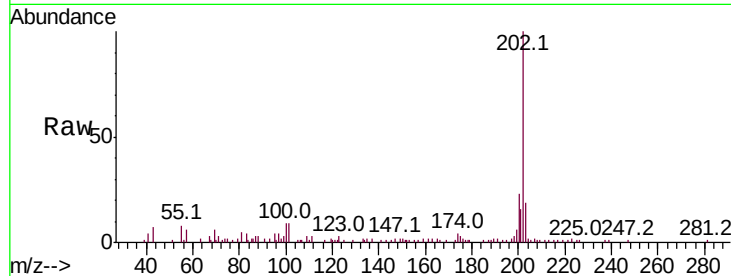




#78
Pvrene
Concen: 3.799 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

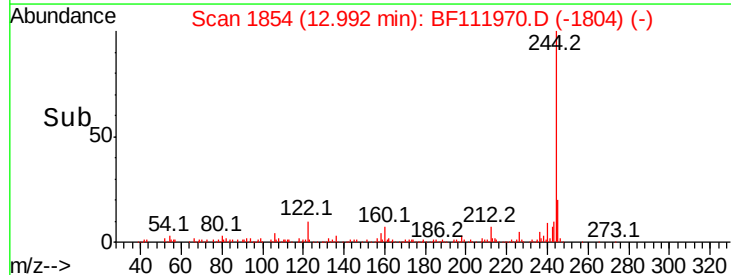
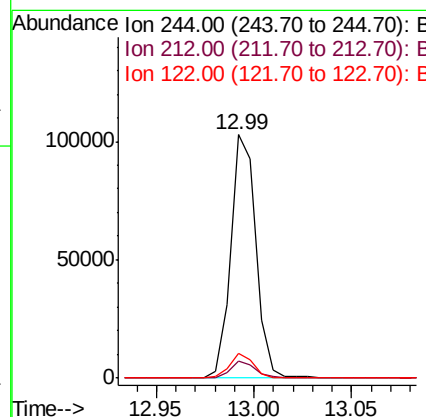
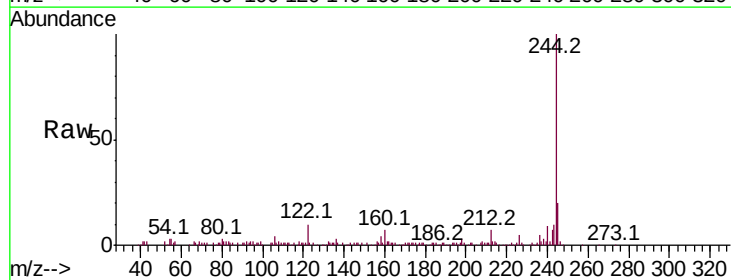
Instrument :
BNA_F
ClientSampled :

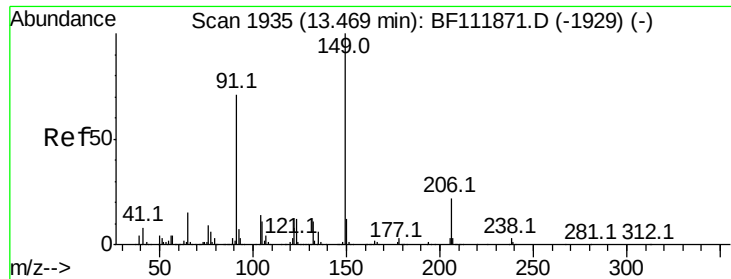
Tot Ion:202 Resp: 34084
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 19.0 14.6 21.8



#79
Terphenyl-d14
Concen: 13.340 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

Tgt Ion:244 Resp: 91641
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 10.3 9.5 14.3

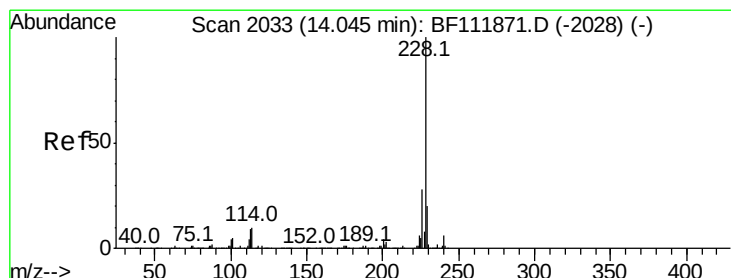
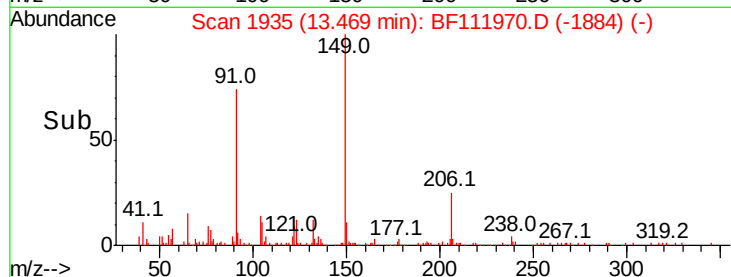
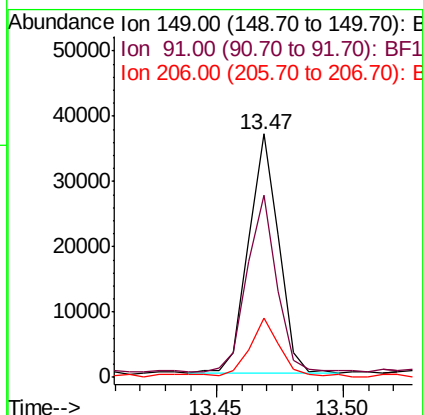
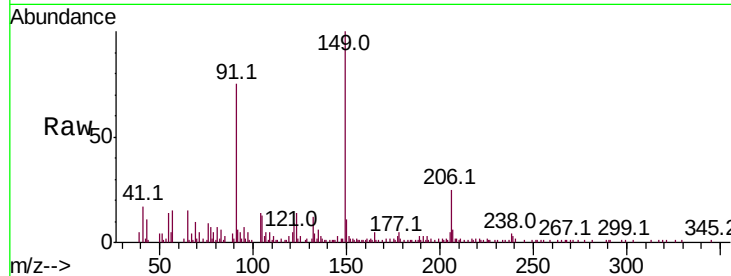




#80
Butylbenzylphthalate
Concen: 7.977 ng
RT: 13.47 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

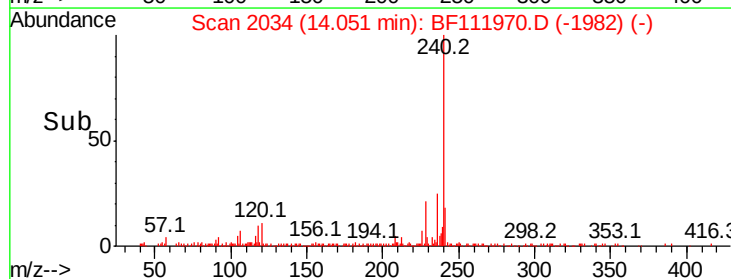
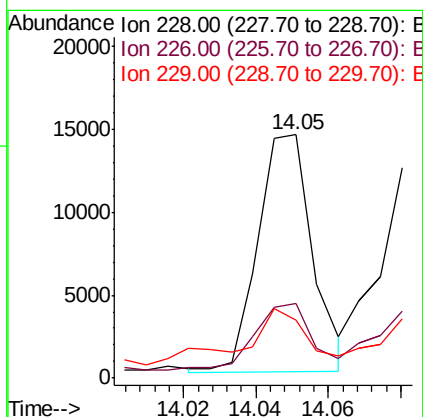
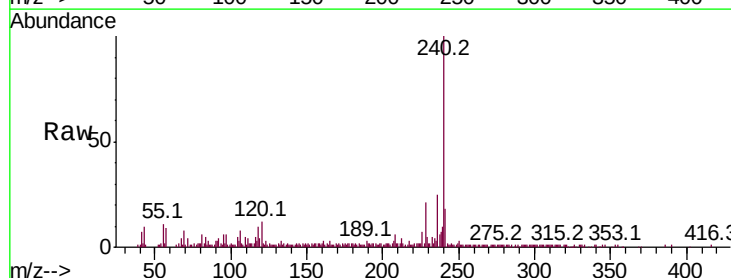
Instrument :
BNA_F
ClientSampled :

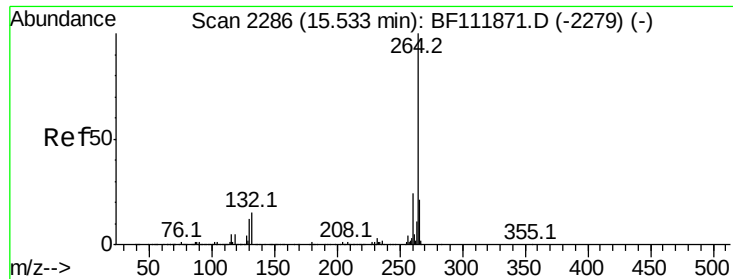
Tot Ion	Ratio	Lower	Upper
149	100		
91	74.7	57.2	85.8
206	24.6	17.3	25.9



#81
Benzo(a)anthracene
Concen: 2.003 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111970.D
Acq: 10 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.2	33.2
229	24.0	16.2	24.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. 0.02 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

Instrument :

BNA_F

ClientSampleId :

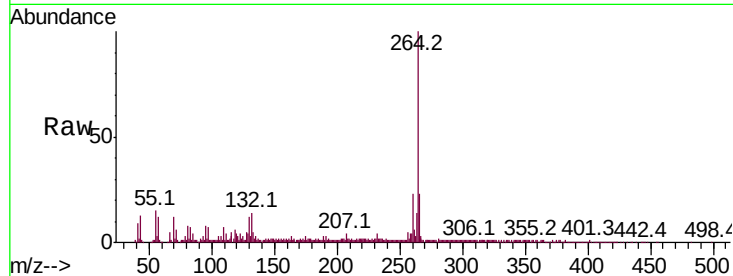
Tot Ion:264 Resp: 168981

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

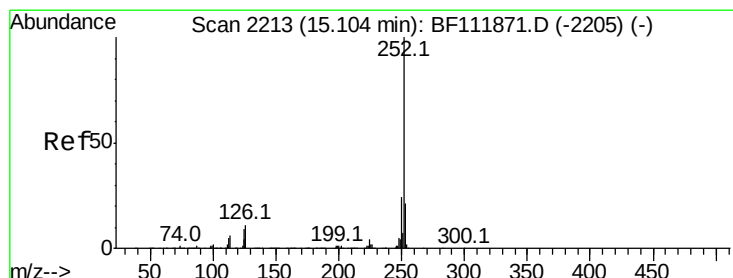
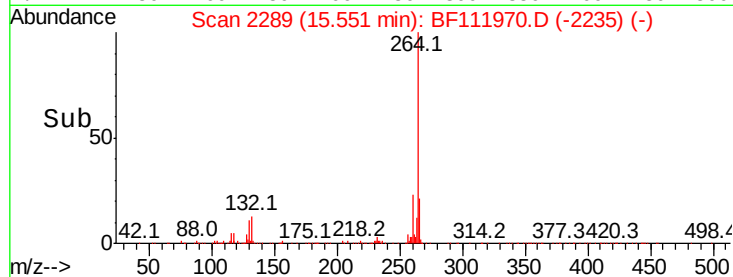
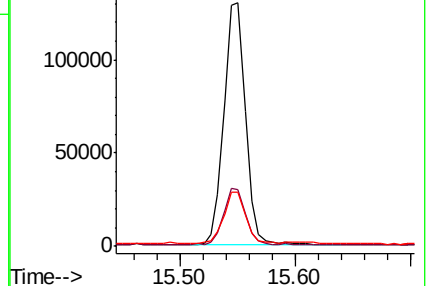
265 22.5 17.1 25.7



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: 3.317 ng

RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

Lab File: BF111970.D

Acq: 10 Jan 2019 00:42

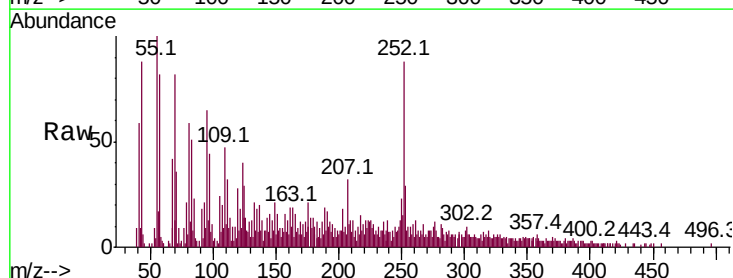
Tgt Ion:252 Resp: 33528

Ion Ratio Lower Upper

252 100

253 32.7 17.0 25.6#

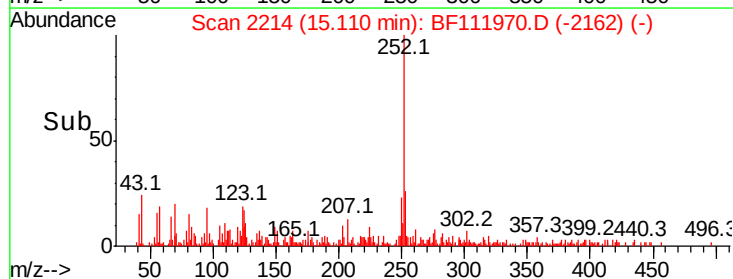
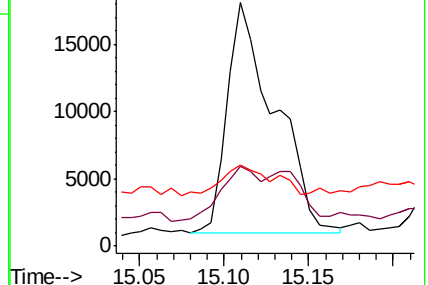
125 33.1 7.1 10.7#

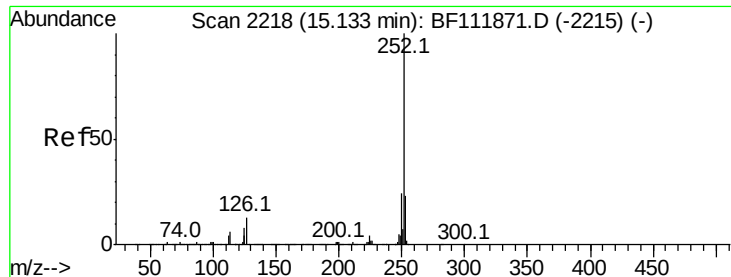


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

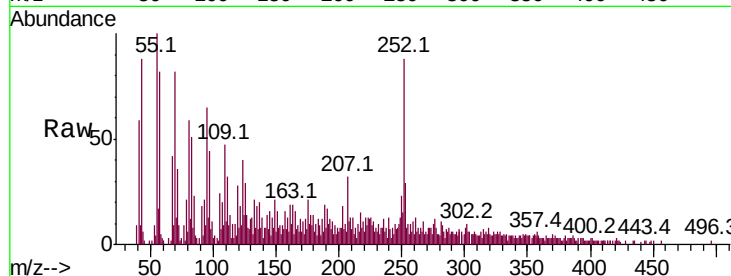




#89
 Benzo(k)fluoranthene
 Concen: 3.529 ng
 RT: 15.11 min Scan# 2214
 Delta R.T. -0.02 min
 Lab File: BF111970.D
 Acq: 10 Jan 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.7	17.8	26.6#
125	33.1	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

