

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104049.D
 Acq On : 29 Mar 2018 14:30
 Operator : JU/SJ
 Sample : J1756-11 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 16:28:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	120382	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	518542	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	224794	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	352722	20.00	ng	0.00
75) Chrysene-d12	14.16	240	244053	20.00	ng	0.00
86) Perylene-d12	15.70	264	217835	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	128135	16.97	ng	0.00
7) Phenol-d6	6.60	99	222695	23.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	121856	14.37	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	51125	20.42	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	280776	19.70	ng	0.00
78) Terphenyl-d14	13.08	244	198891	18.82	ng	0.00

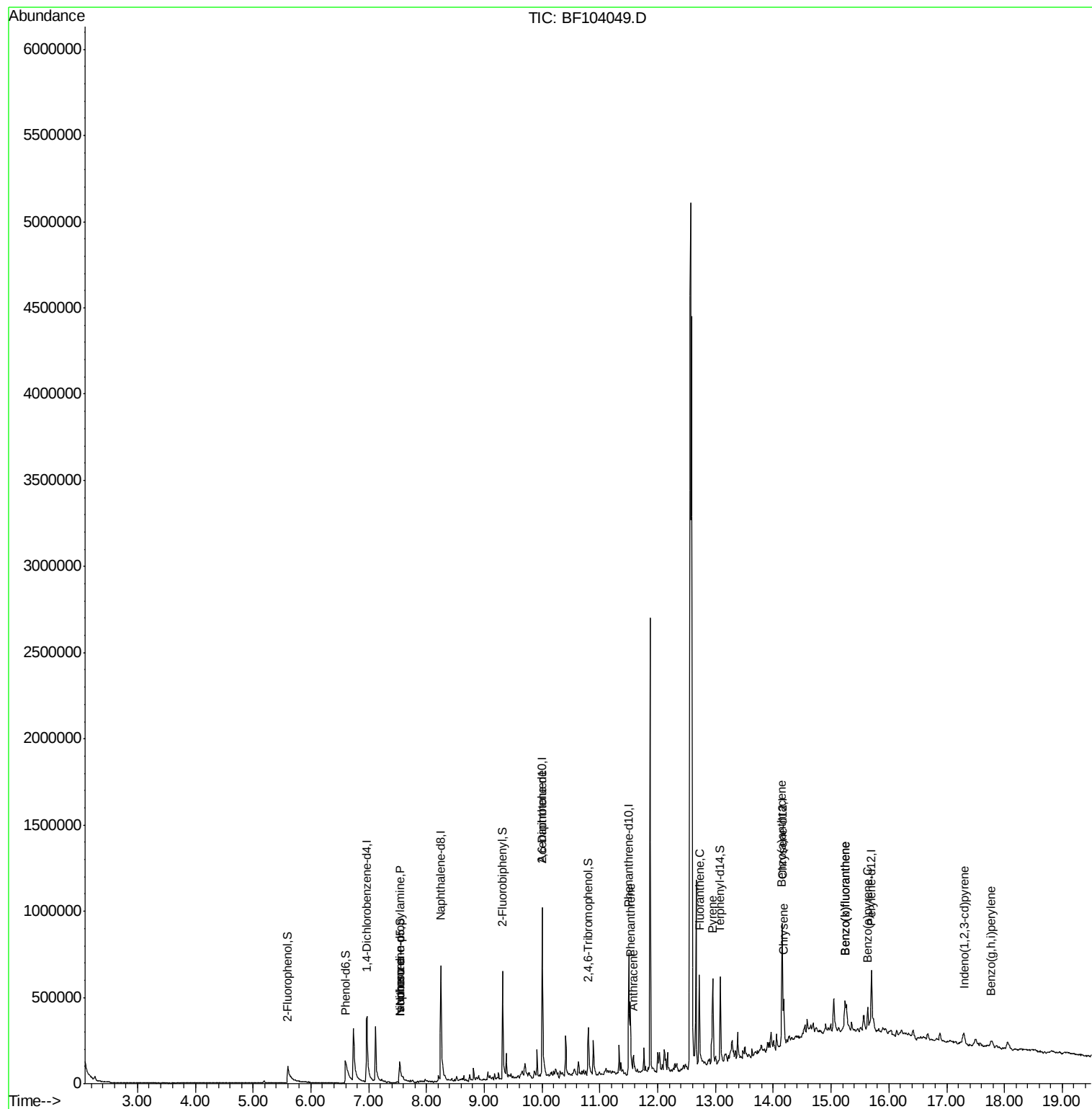
Target Compounds				Qvalue		
9) Benzaldehyde	6.61	77	126	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	15359	2.787	ng	70
25) Isophorone	7.53	82	121856	7.798	ng	64
50) 2,6-Dinitrotoluene	10.00	165	30322	7.941	ng	26
70) Phenanthrene	11.53	178	176855	9.261	ng	99
71) Anthracene	11.58	178	67585	3.388	ng	99
74) Fluoranthene	12.72	202	249131	12.273	ng	96
77) Pyrene	12.95	202	244033	13.910	ng	98
80) Benzo(a)anthracene	14.14	228	126966	8.314	ng	97
82) Chrysene	14.18	228	96394	6.445	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	39326	2.537	ng	90
87) Benzo(b)fluoranthene	15.24	252	150679	11.366	ng	91
88) Benzo(k)fluoranthene	15.24	252	150679	12.066	ng	94
89) Benzo(a)pyrene	15.63	252	86261	7.021	ng	93
91) Benzo(a,h,i)perylene	17.77	276	35987	3.163	ng	90

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

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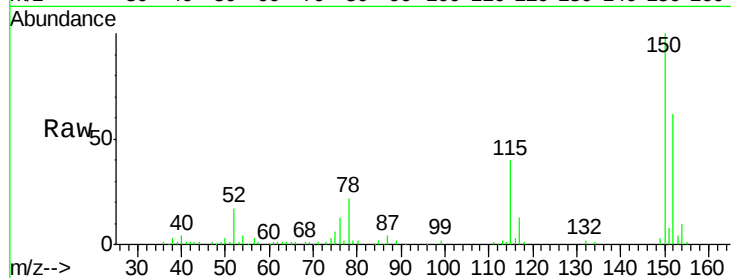


#1

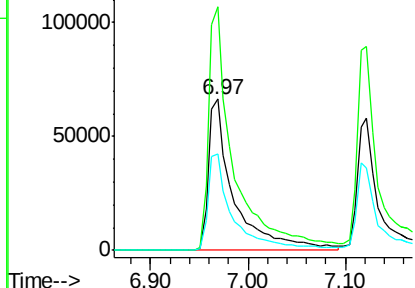
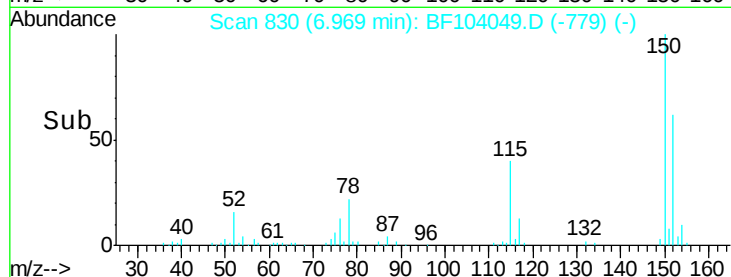
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 120382
Ion Ratio Lower Upper
152 100
150 161.4 124.6 186.8
115 64.2 50.1 75.1



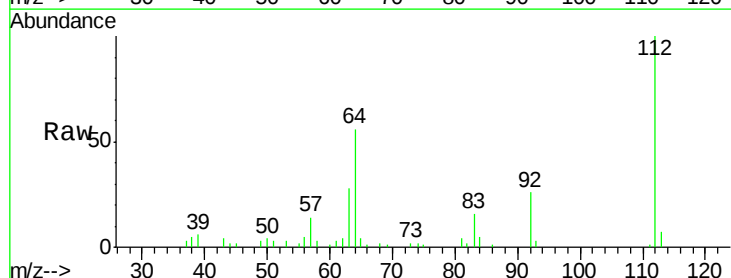
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



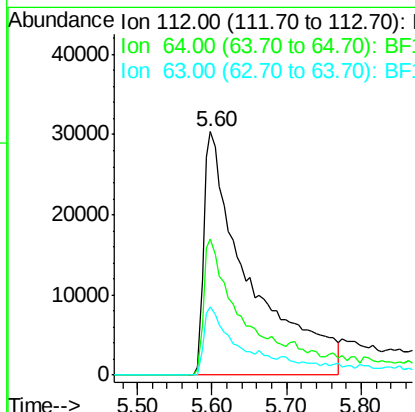
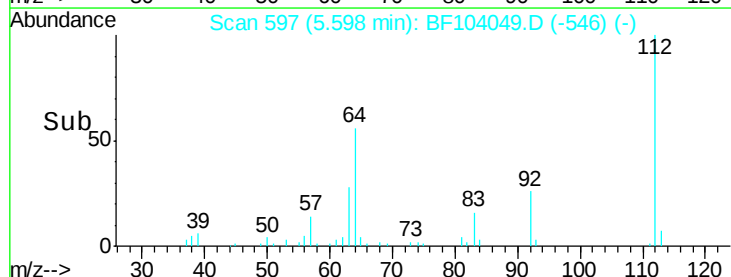
#5

2-Fluorophenol
Concen: 16.975 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion:112 Resp: 128135
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 27.8 23.7 35.5



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: 23.979 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

ClientSampleId :

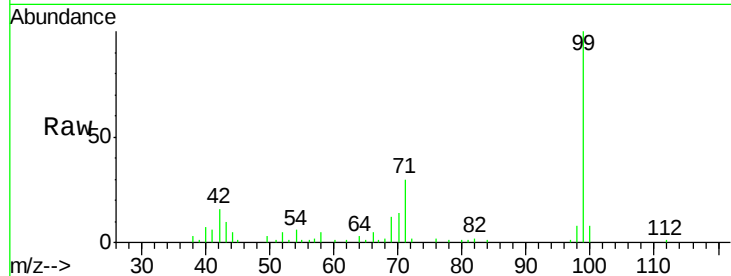
Tot Ion: 99 Resp: 222695

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

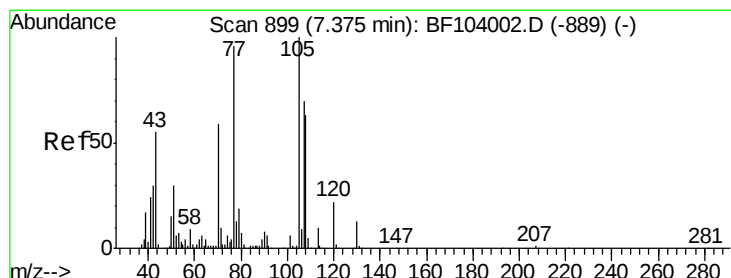
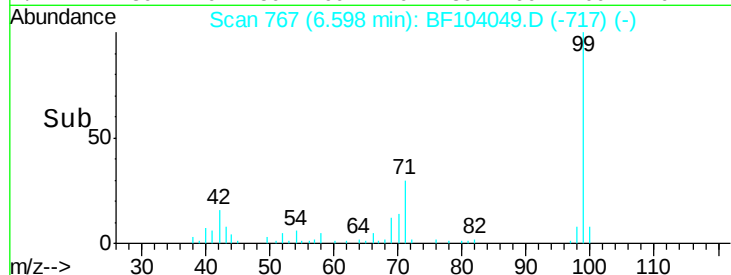
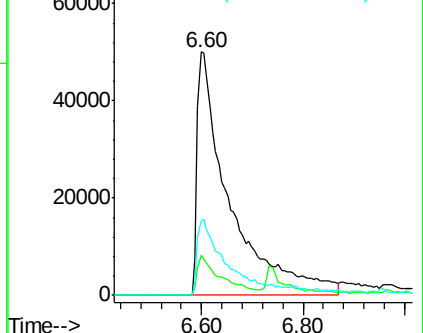
71 30.4 25.4 38.0



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: 2.787 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.16 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Tgt Ion: 70 Resp: 15359

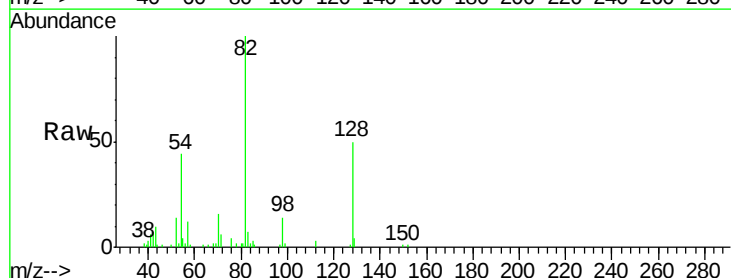
Ion Ratio Lower Upper

70 100

42 40.1 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

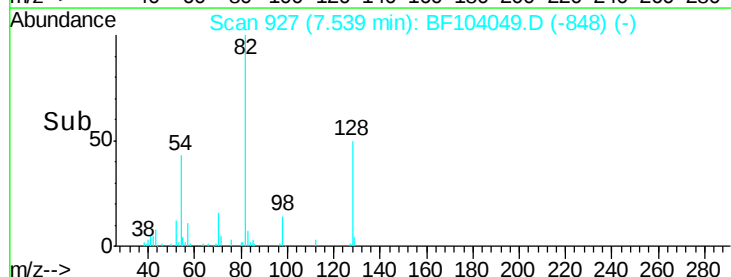
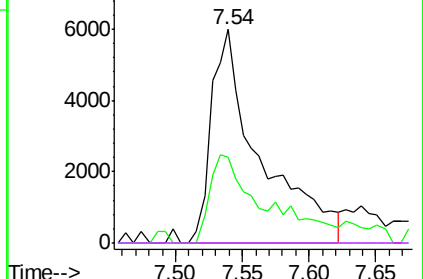


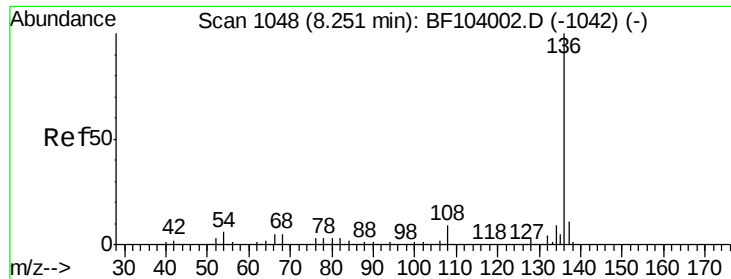
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 518542

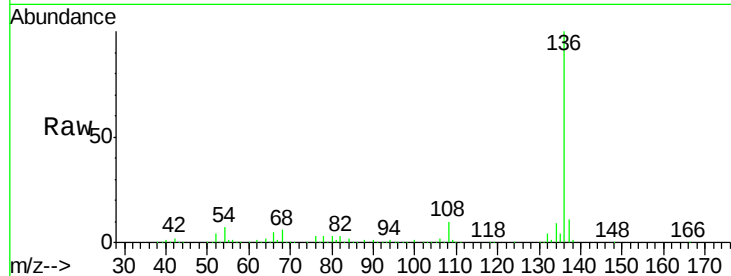
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.9 6.6 9.8

68 6.4 5.0 7.4

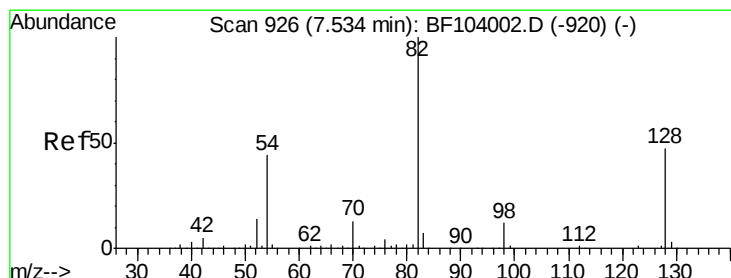
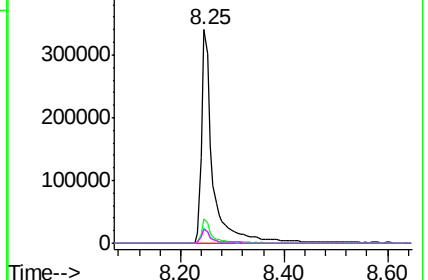
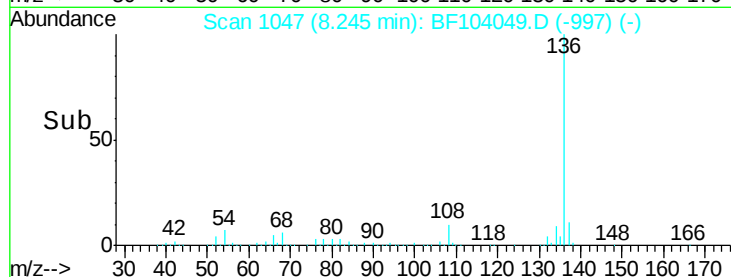


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.371 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

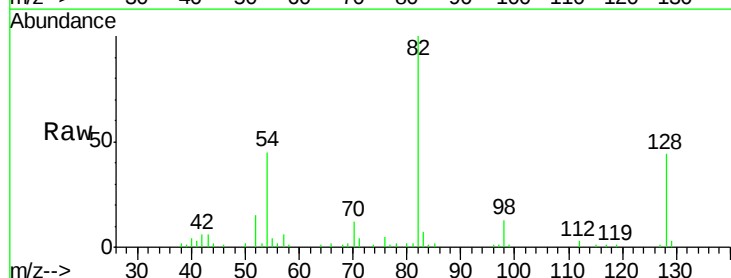
Tgt Ion: 82 Resp: 121856

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

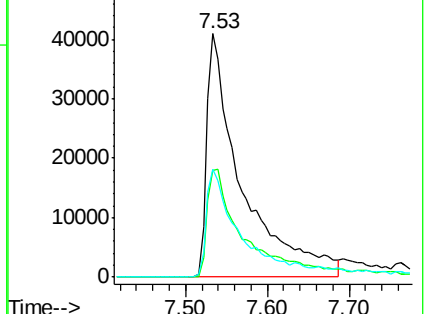
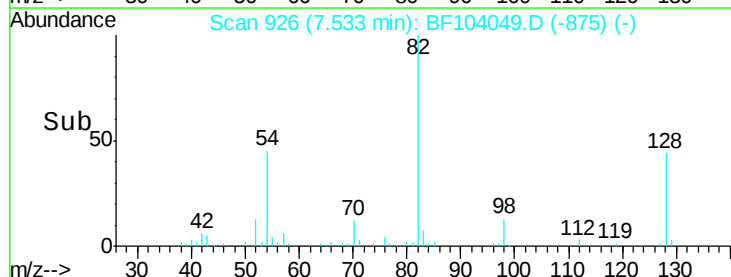
54 44.5 41.4 62.2

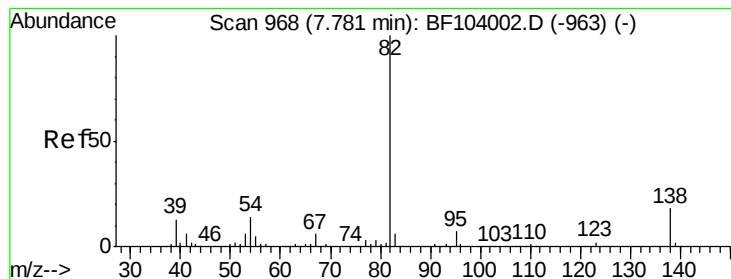


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.798 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

ClientSampled :

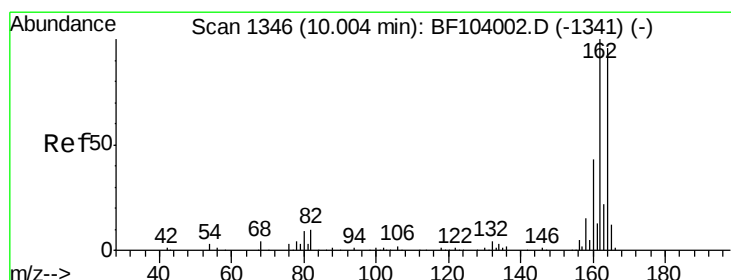
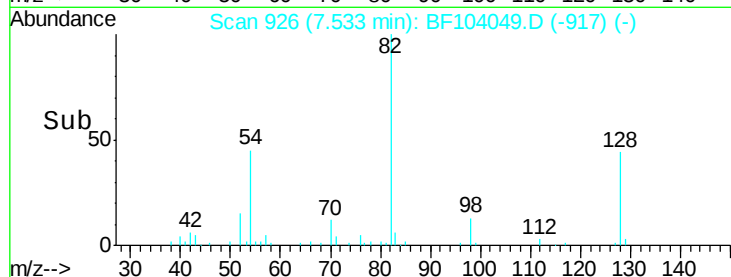
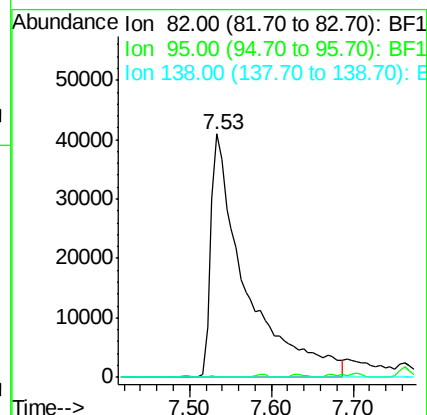
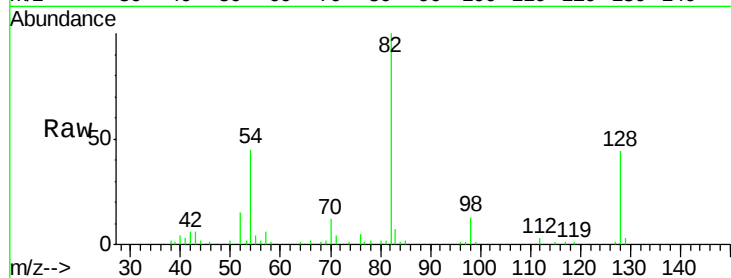
Tot Ion: 82 Resp: 121856

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

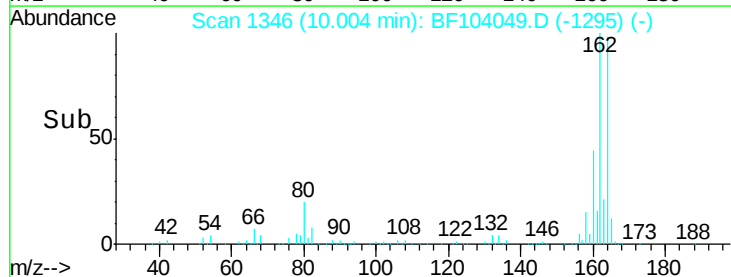
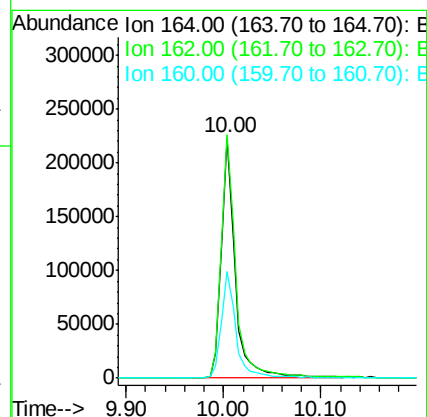
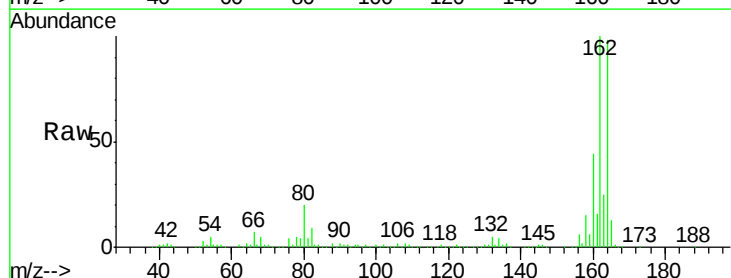
Tgt Ion: 164 Resp: 224794

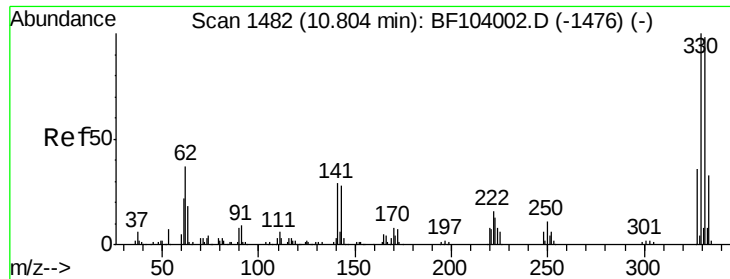
Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

160 44.6 38.3 57.5

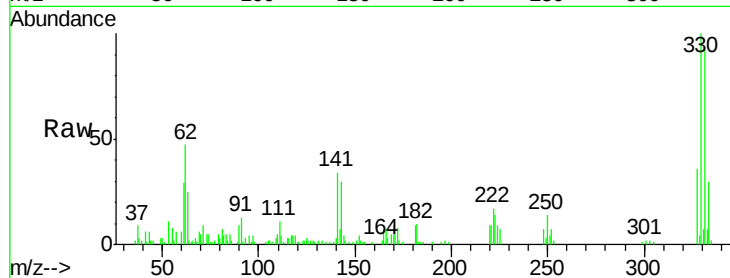




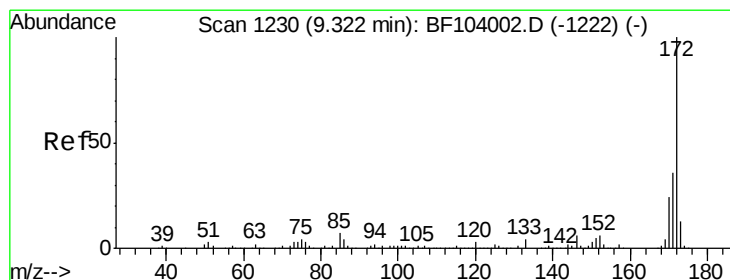
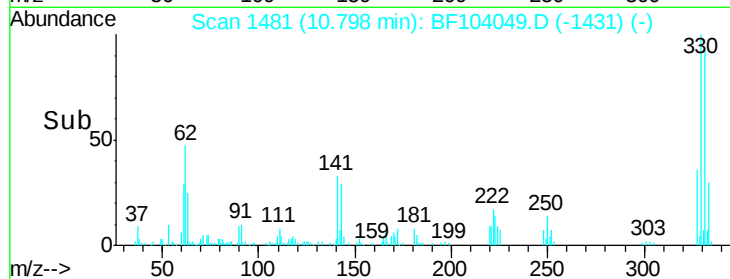
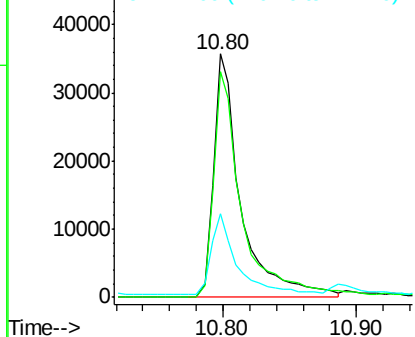
#41
 2,4,6-Tribromophenol
 Concen: 20.425 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 51125
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 32.0 29.9 44.9

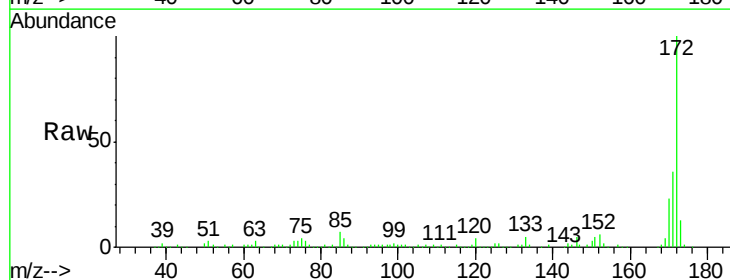


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

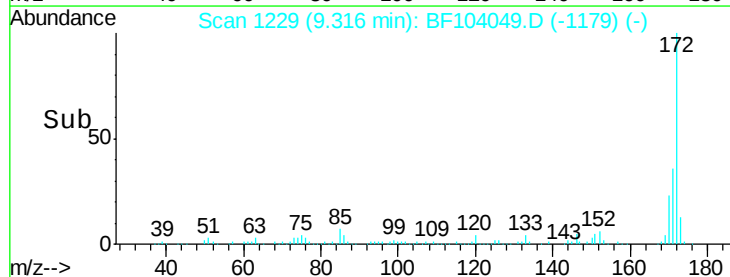
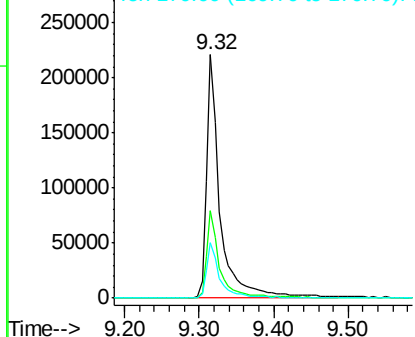


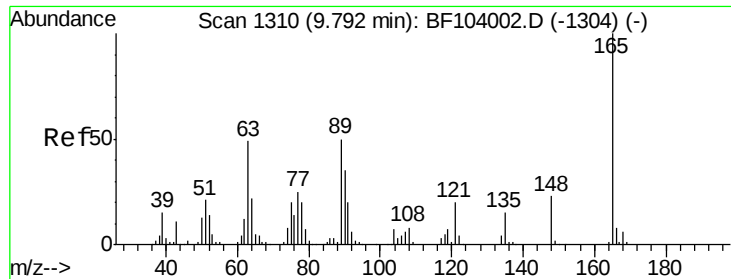
#44
 2-Fluorobiphenyl
 Concen: 19.696 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104049.D
 Acq: 29 Mar 2018 14:30

Tgt Ion:172 Resp: 280776
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 22.8 19.6 29.4



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

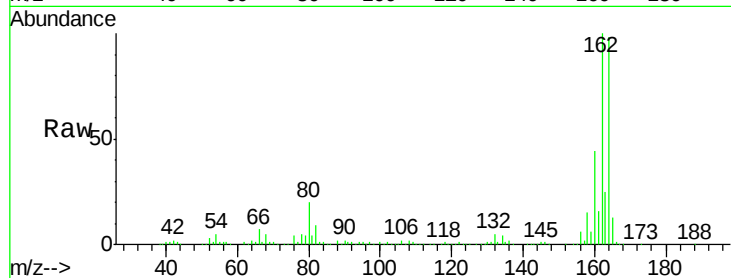




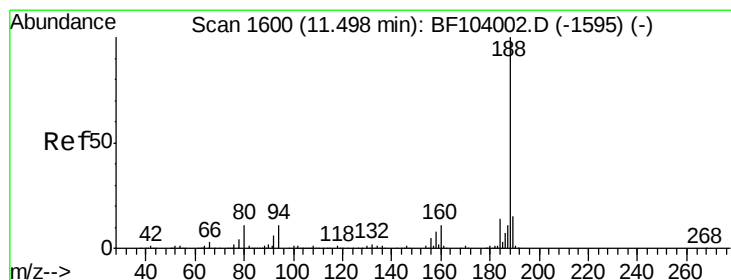
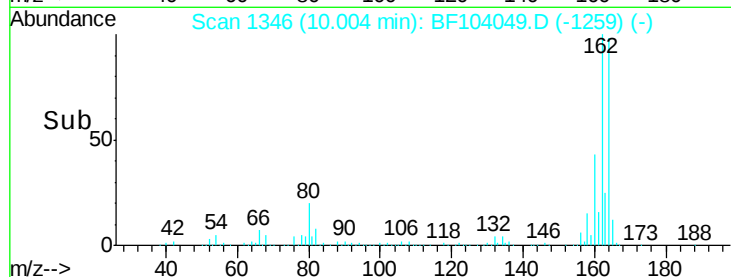
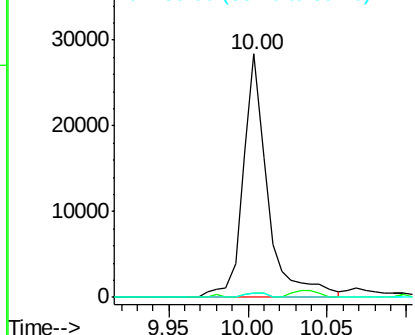
#50
2,6-Dinitrotoluene
Concen: 7.941 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 30322
Ion Ratio Lower Upper
165 100
63 1.8 44.7 67.1#
89 1.6 44.0 66.0#

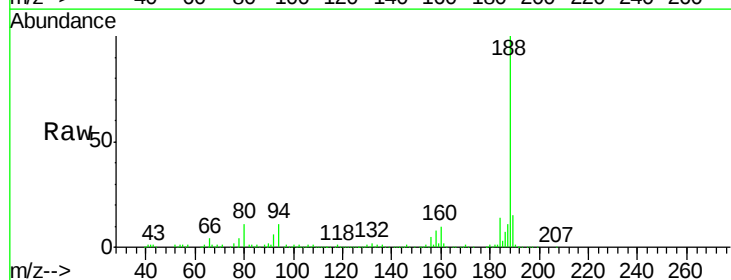


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

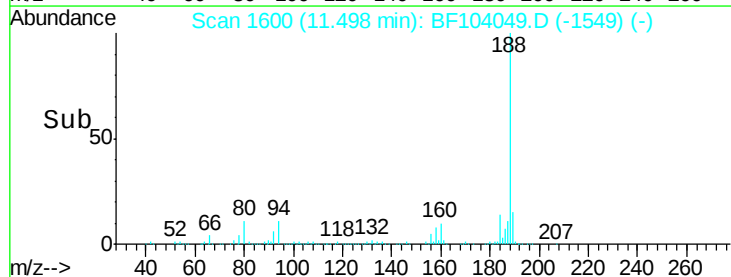
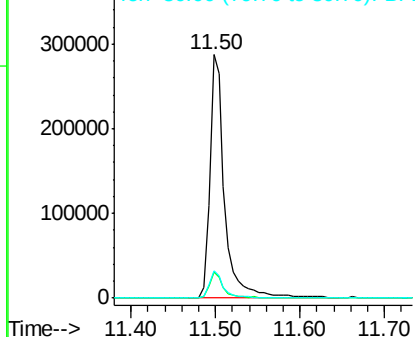


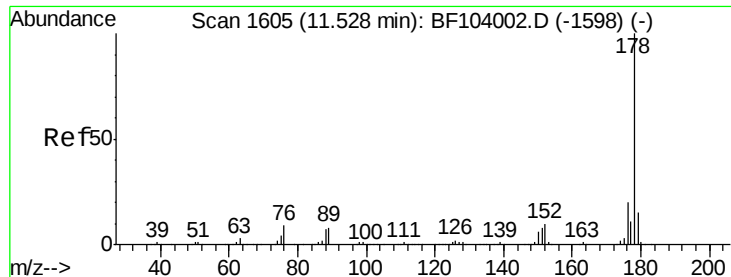
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion:188 Resp: 352722
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.4 9.2 13.8



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





#70

Phenanthrene

Concen: 9.261 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

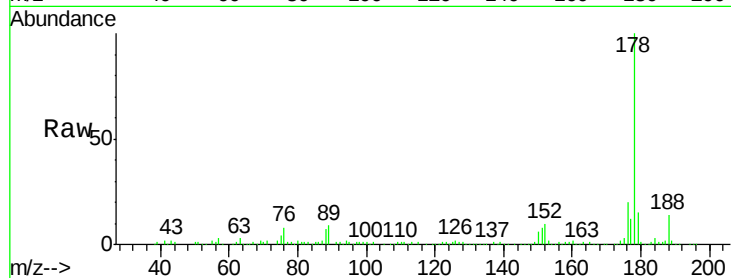
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 176855

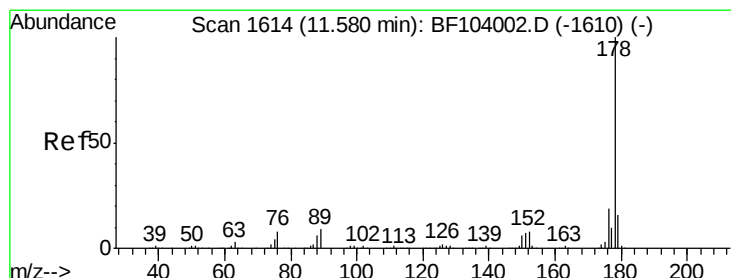
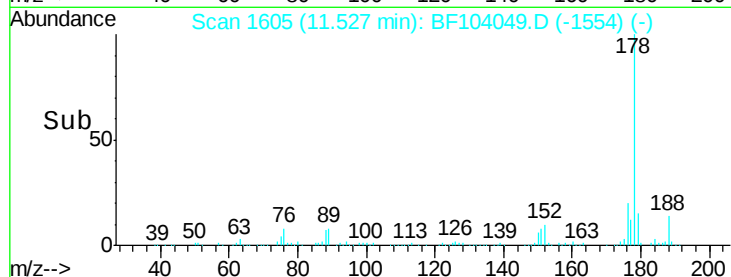
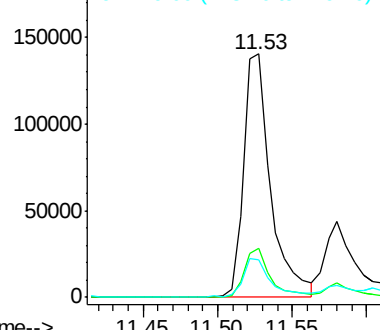
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.4	13.0	19.6



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



#71

Anthracene

Concen: 3.388 ng

RT: 11.58 min Scan# 1614

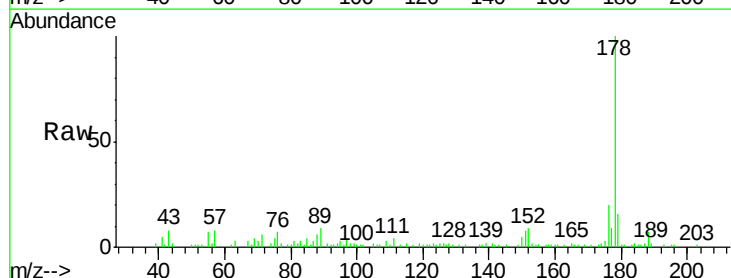
Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Tgt Ion:178 Resp: 67585

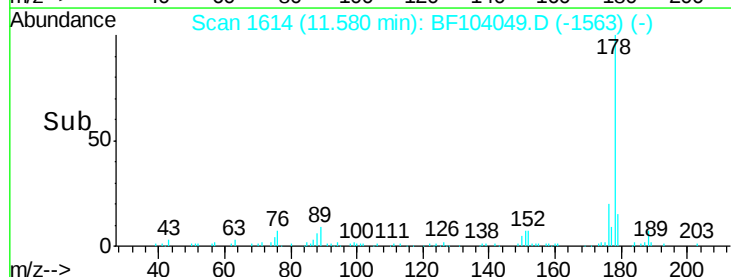
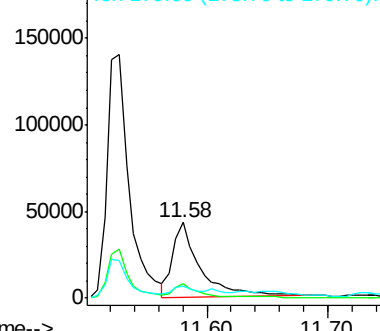
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.6	19.0

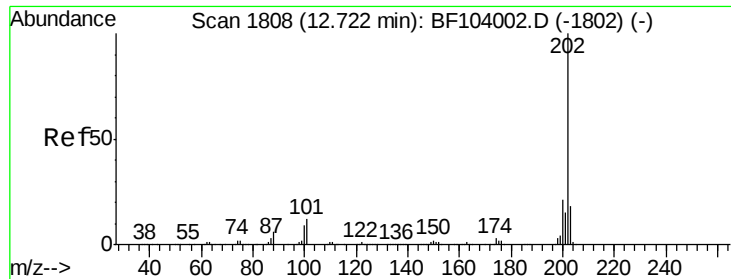


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.273 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

ClientSampleId :

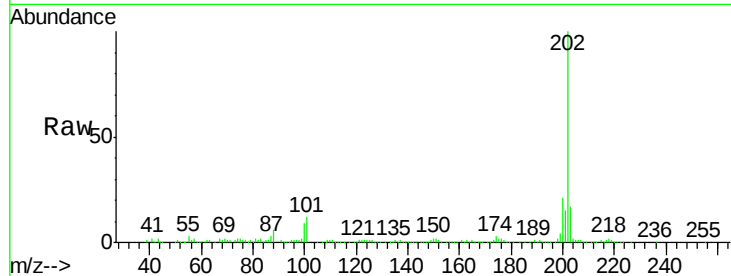
Tot Ion:202 Resp: 249131

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

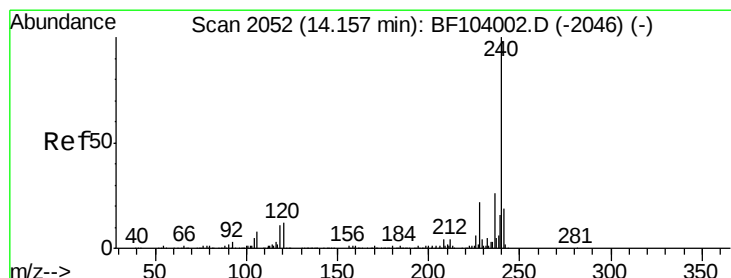
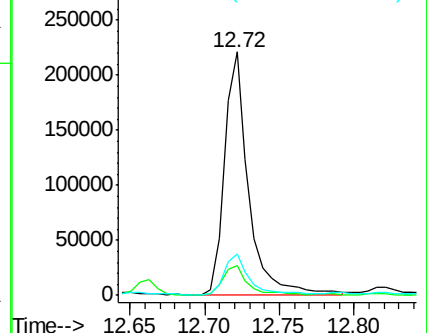
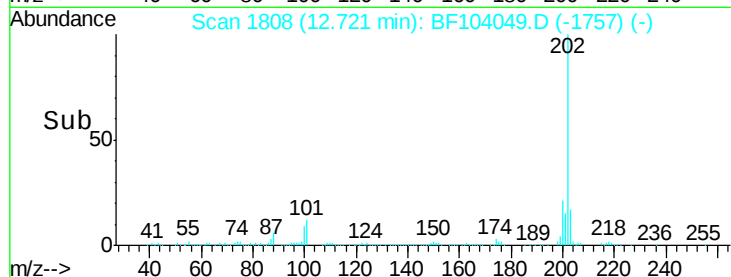
203 17.0 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

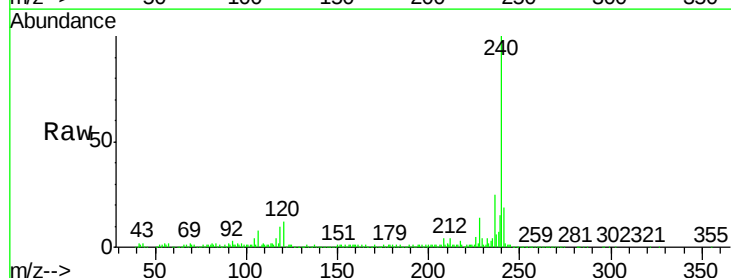
Tgt Ion:240 Resp: 244053

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

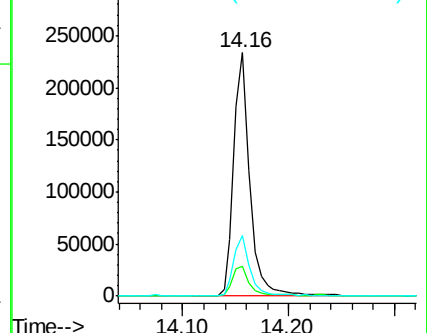
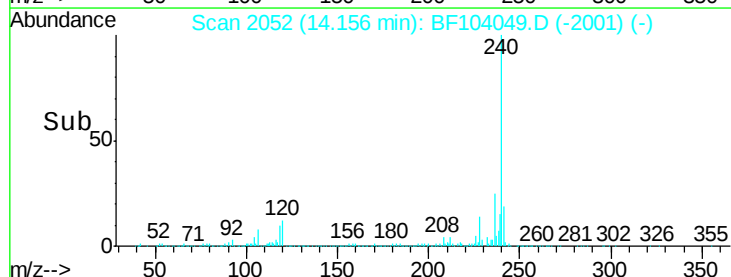
236 24.9 20.7 31.1

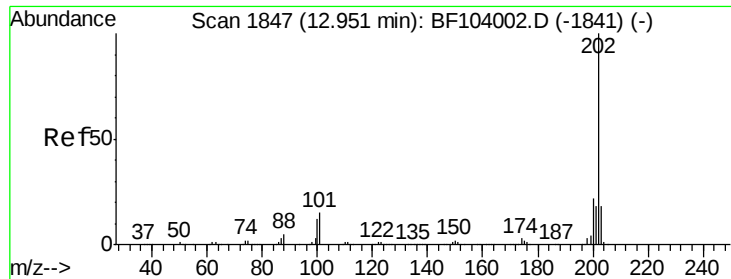


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

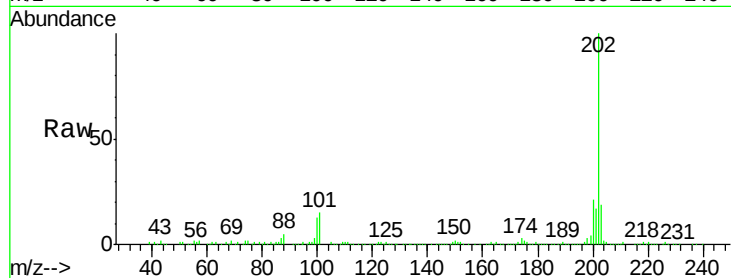




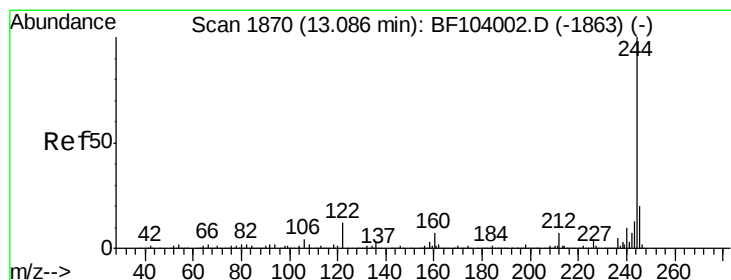
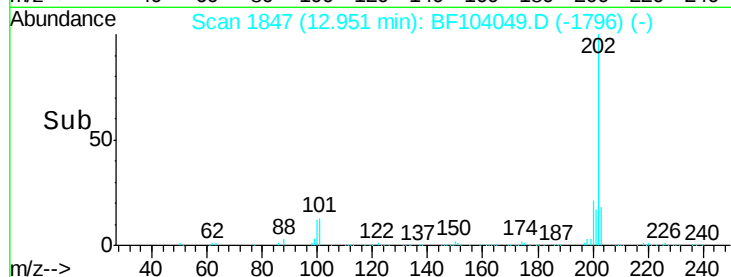
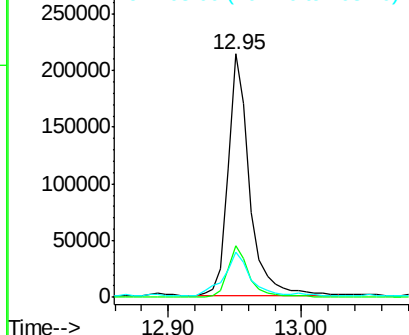
#77
Pvrene
Concen: 13.910 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 244033
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.8 14.3 21.5

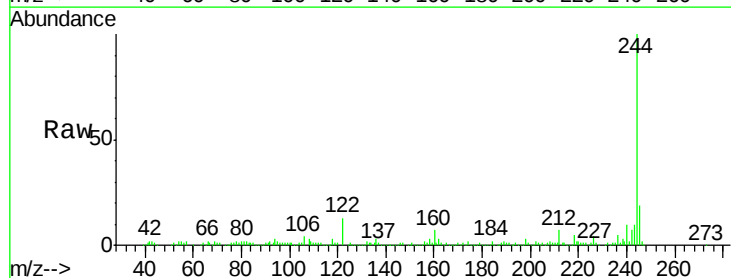


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

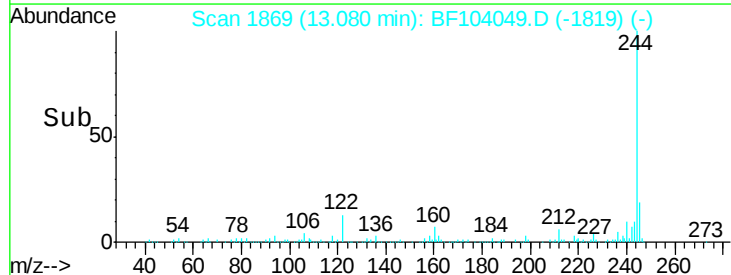
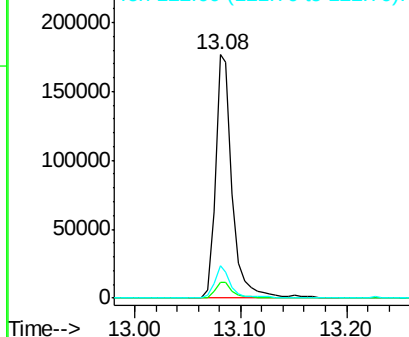


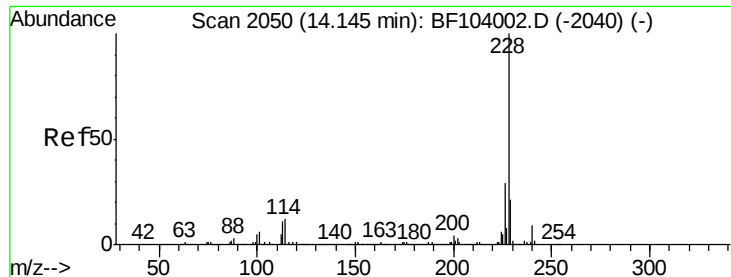
#78
Terphenyl-d14
Concen: 18.817 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion:244 Resp: 198891
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 13.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

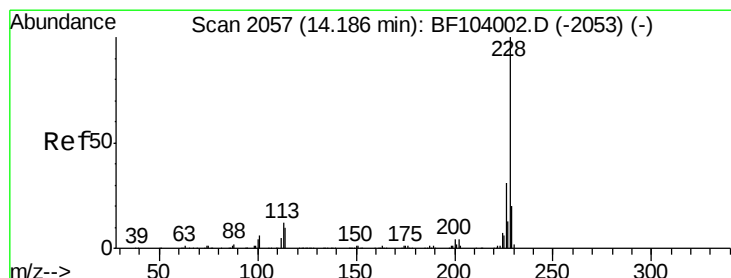
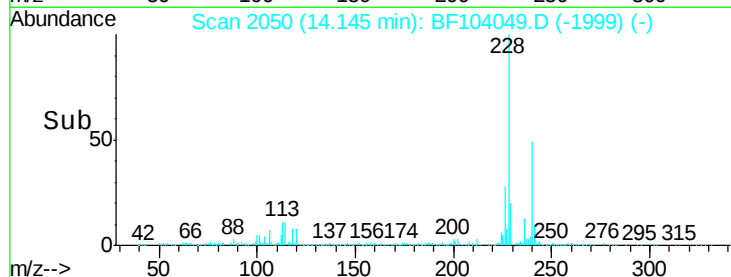
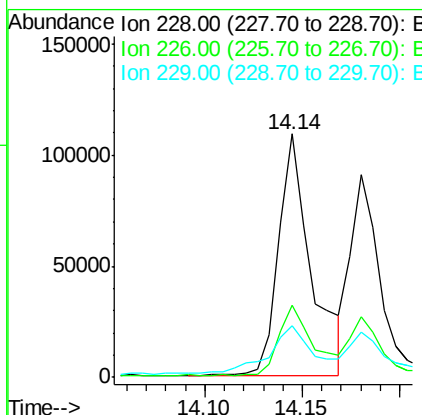
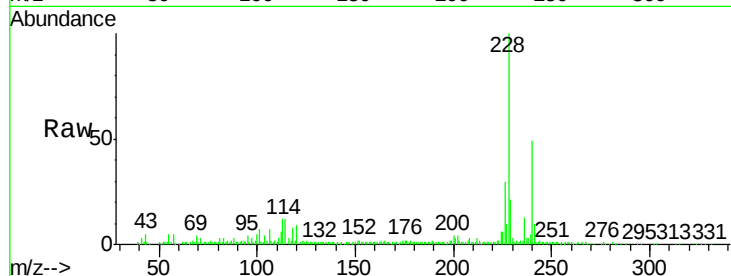




#80
Benzo(a)anthracene
Concen: 8.314 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

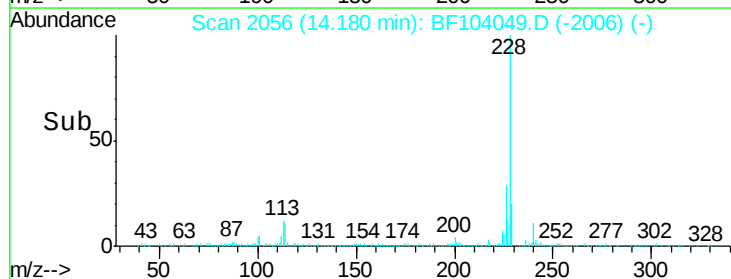
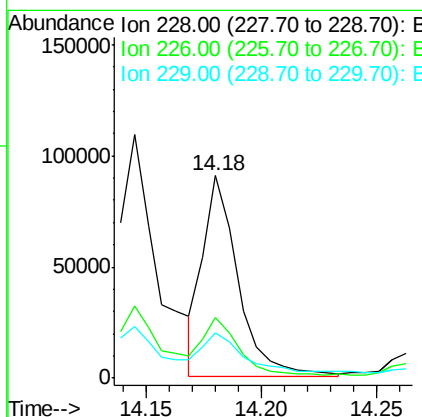
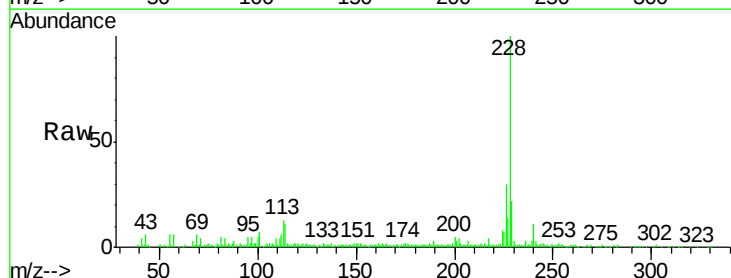
Instrument :
BNA_F
ClientSampled :

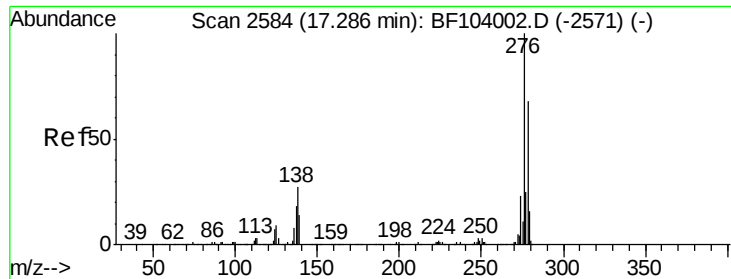
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	21.3	15.8	23.6



#82
Chrysene
Concen: 6.445 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.537 ng

RT: 17.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

Instrument :

BNA_F

ClientSampleId :

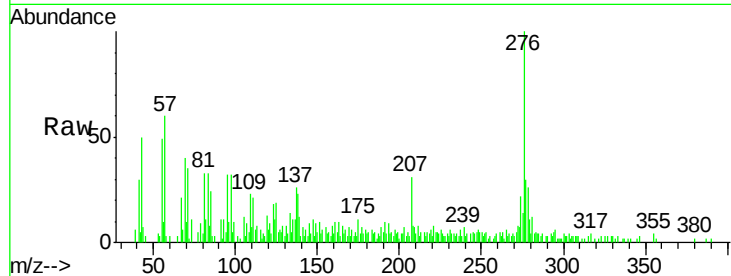
Tot Ion:276 Resp: 39326

Ion Ratio Lower Upper

276 100

138 24.4 25.0 37.6#

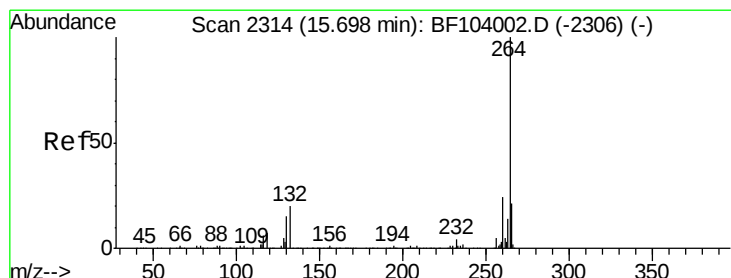
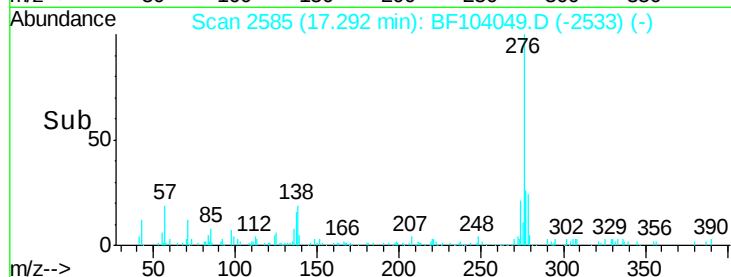
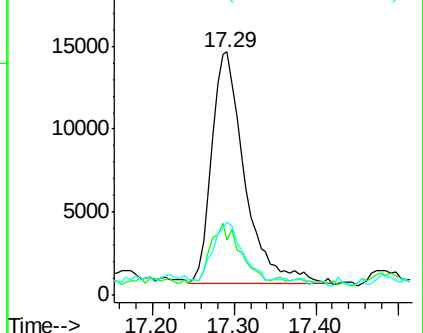
277 21.6 20.1 30.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. -0.00 min

Lab File: BF104049.D

Acq: 29 Mar 2018 14:30

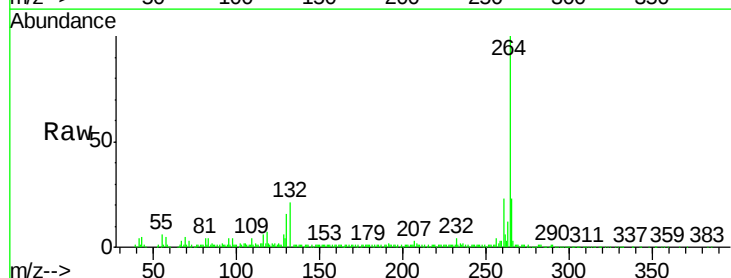
Tgt Ion:264 Resp: 217835

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

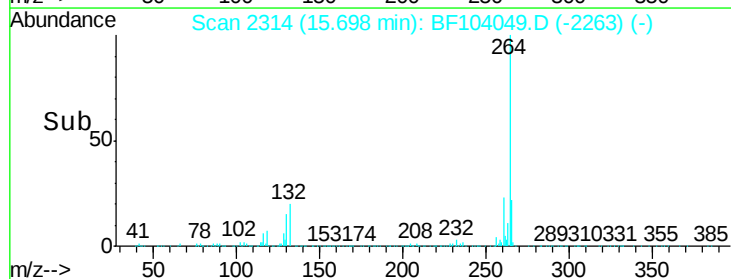
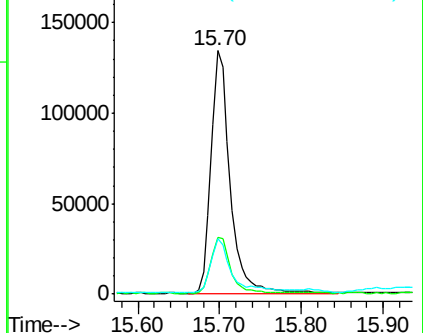
265 22.6 17.5 26.3

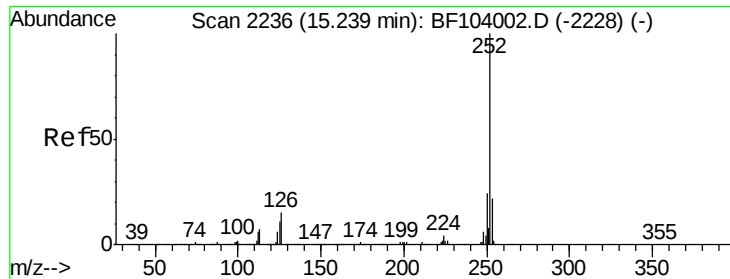


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

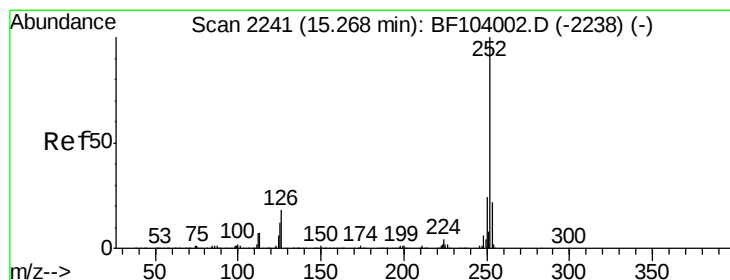
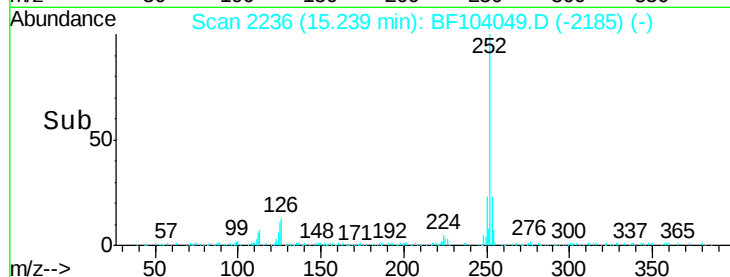
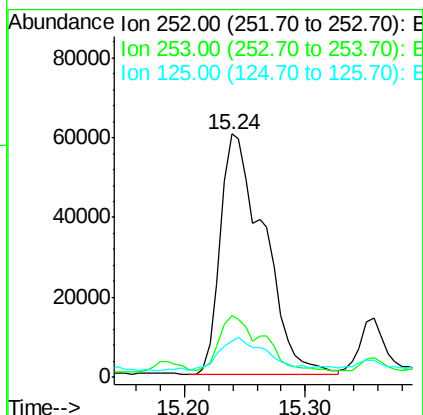
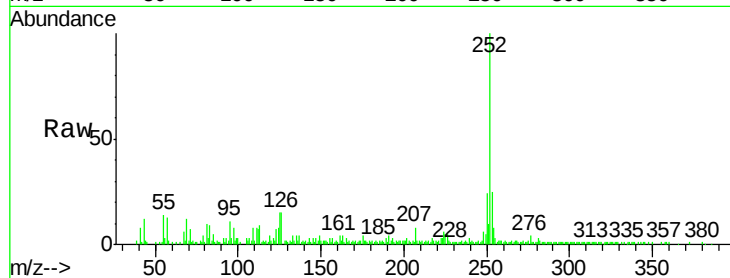




#87
Benzo(b)fluoranthene
Concen: 11.366 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

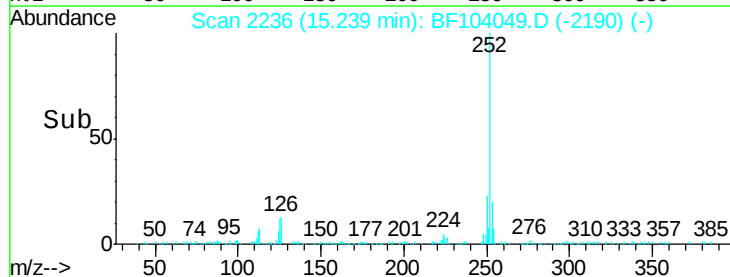
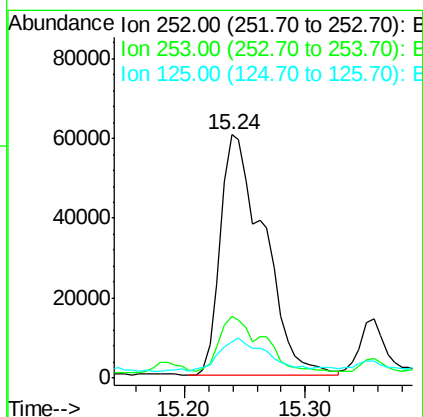
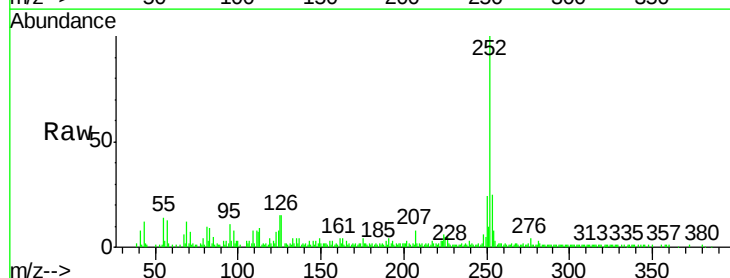
Instrument :
BNA_F
ClientSampleId :

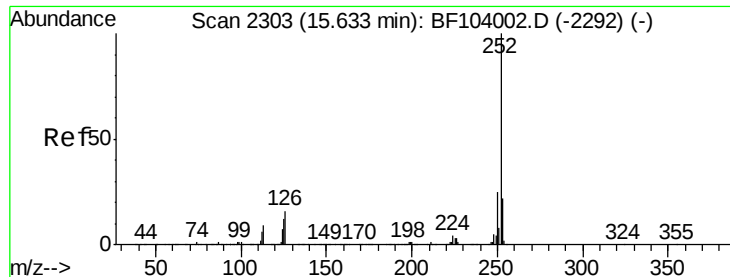
Tot Ion:252 Resp: 150679
Ion Ratio Lower Upper
252 100
253 25.2 17.0 25.6
125 15.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 12.066 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion:252 Resp: 150679
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 15.0 10.2 15.2

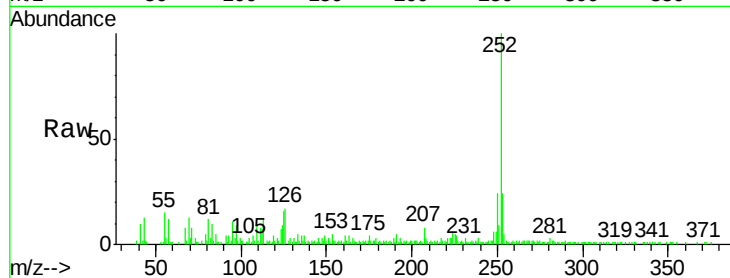




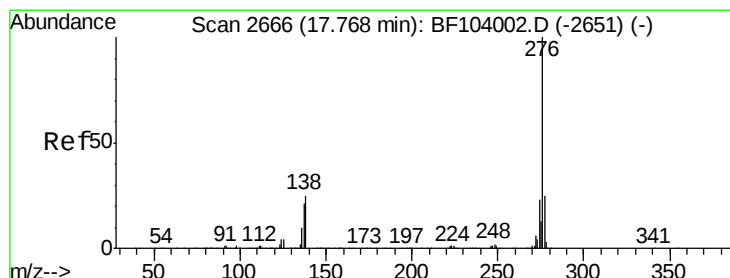
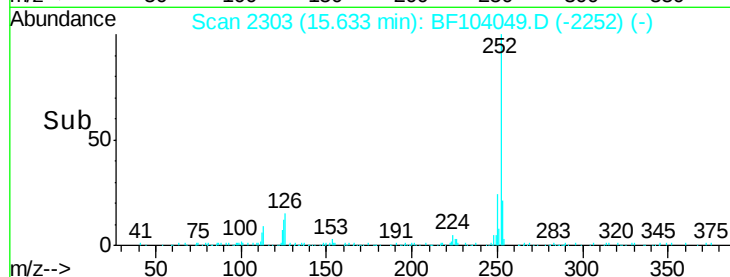
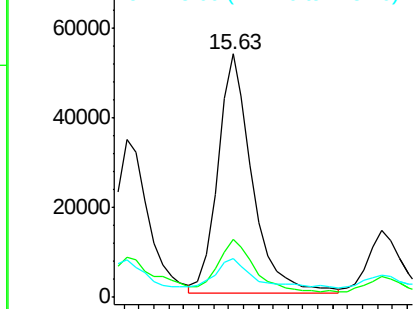
#89
Benzo(a)pyrene
Concen: 7.021 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 86261
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 15.9 9.8 14.6#

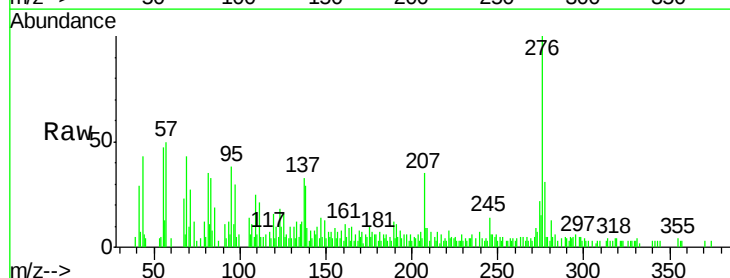


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.163 ng
RT: 17.77 min Scan# 2667
Delta R.T. 0.01 min
Lab File: BF104049.D
Acq: 29 Mar 2018 14:30

Tgt Ion:276 Resp: 35987
Ion Ratio Lower Upper
276 100
277 30.5 17.9 26.9#
138 29.2 21.8 32.8



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

