

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103713.D
 Acq On : 16 Mar 2018 22:53
 Operator : JU/SJ
 Sample : J1938-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 17 03:21:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	181249	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	738684	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	316118	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	473595	20.00	ng	0.00
75) Chrysene-d12	14.15	240	333045	20.00	ng	0.00
86) Perylene-d12	15.69	264	284584	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1078775	90.53	ng	0.02
7) Phenol-d6	6.59	99	1342695	92.10	ng	0.00
23) Nitrobenzene-d5	7.53	82	797724	75.31	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	247020	90.88	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1249962	63.07	ng	0.00
78) Terphenyl-d14	13.09	244	870980	60.70	ng	0.00

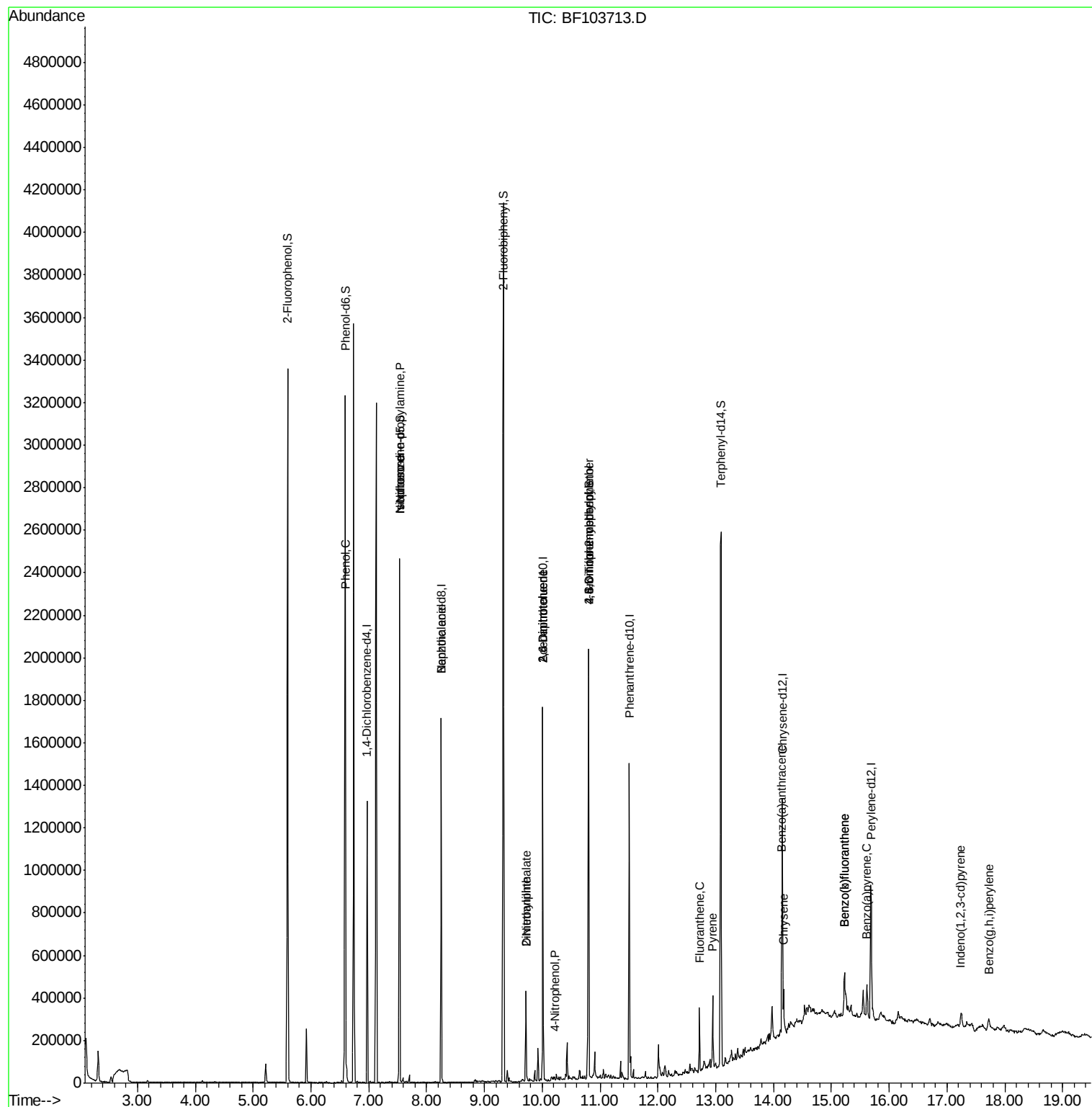
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	42076	2.716	ng	99
19) n-Nitroso-di-n-propylamine	7.53	70	105171	11.256	ng	# 74
25) Isophorone	7.53	82	797713	32.532	ng	# 64
32) Benzoic acid	8.25	122	147	9.921	ng	# 1
47) 2-Nitroaniline	9.72	65	1253	7.011	ng	# 1
49) Dimethylphthalate	9.72	163	134418	5.573	ng	99
50) 2,6-Dinitrotoluene	10.01	165	40886	12.020	ng	# 26
55) 4-Nitrophenol	10.22	139	649	5.108	ng	# 31
56) 2,4-Dinitrotoluene	10.01	165	40886	12.235	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	531	8.452	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15221	3.130	ng	# 1
74) Fluoranthene	12.72	202	112172	4.203	ng	96
77) Pyrene	12.95	202	120124	4.911	ng	99
80) Benzo(a)anthracene	14.14	228	85086	4.036	ng	98
82) Chrysene	14.17	228	80760	4.019	ng	97
85) Indeno(1,2,3-cd)pyrene	17.24	276	43296	2.467	ng	95
87) Benzo(b)fluoranthene	15.23	252	148512	8.260	ng	# 92
88) Benzo(k)fluoranthene	15.23	252	148557	8.596	ng	# 95
89) Benzo(a)pyrene	15.62	252	75973	4.659	ng	# 94
91) Benzo(a,h,i)perylene	17.72	276	40311	2.934	ng	96

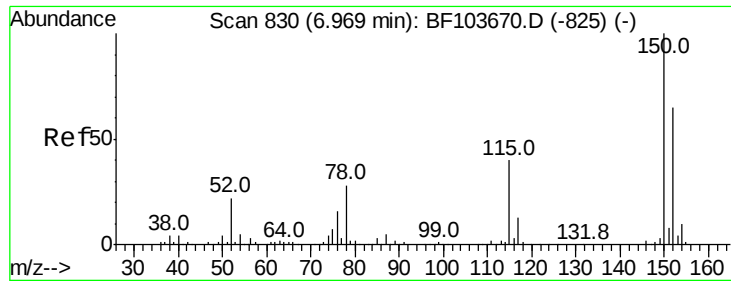
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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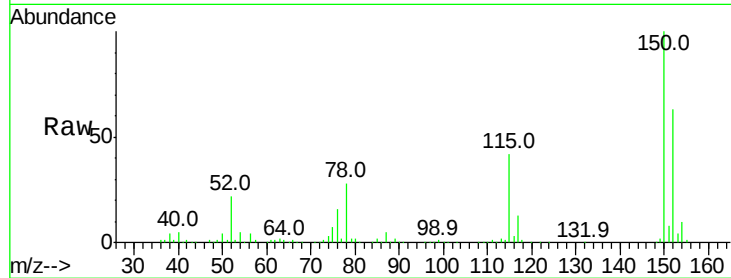


#1

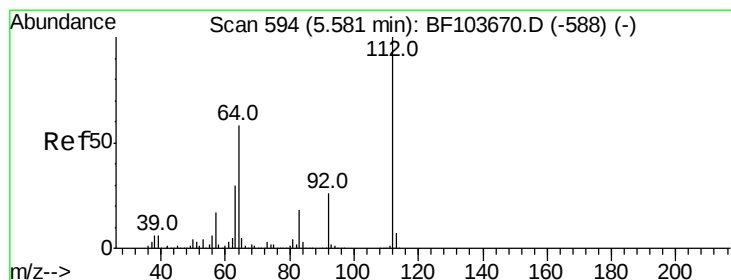
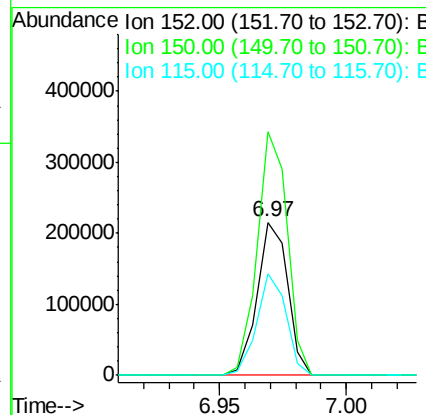
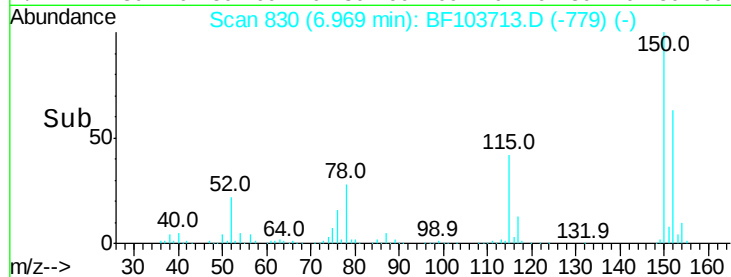
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 181249
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 66.7 50.1 75.1



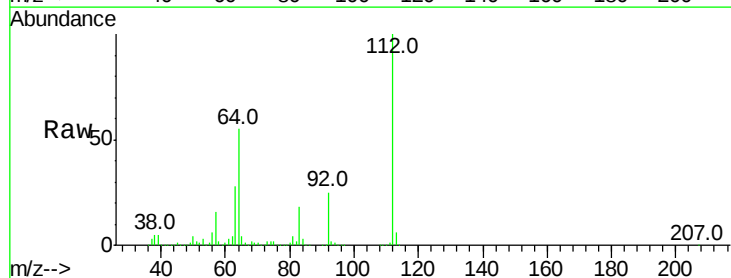
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



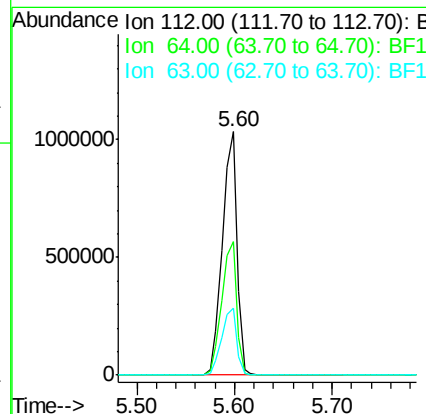
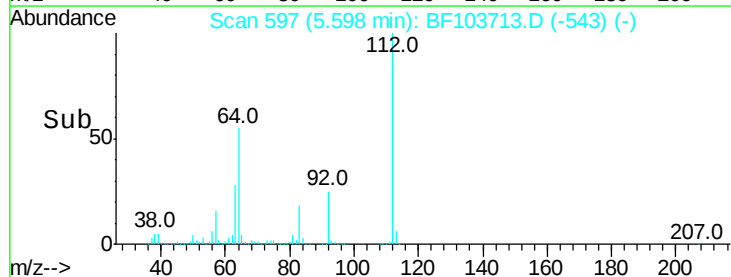
#5

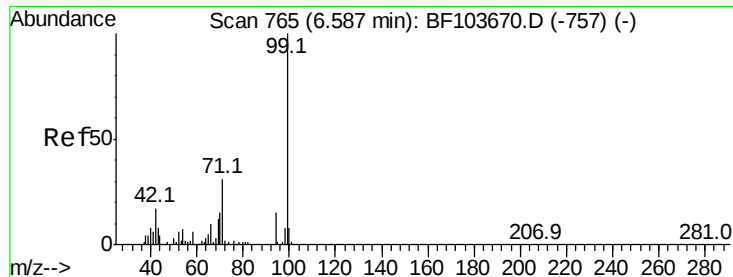
2-Fluorophenol
Concen: 90.528 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Tgt Ion:112 Resp: 1078775
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.7 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: 92.098 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampleId :

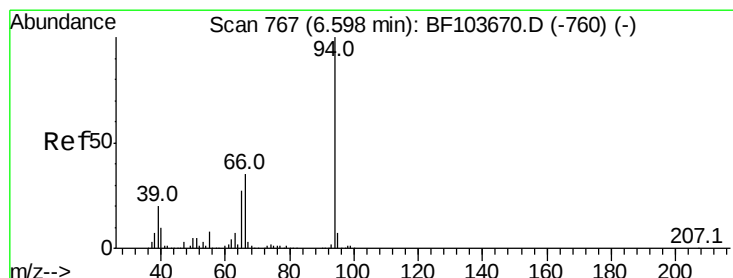
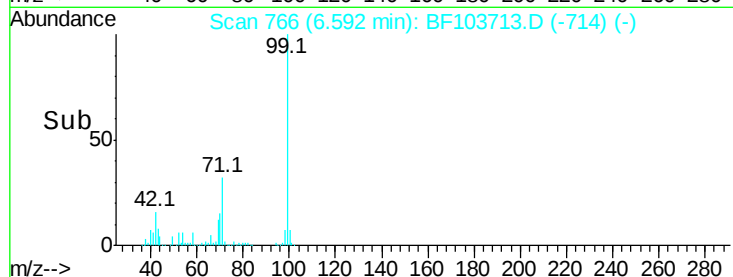
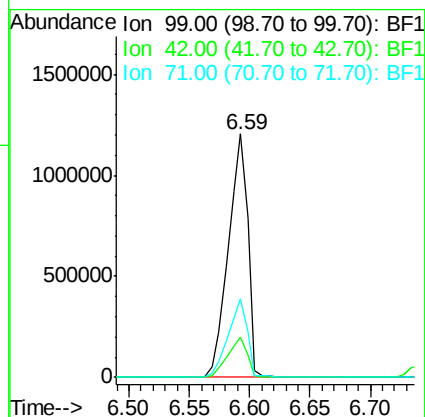
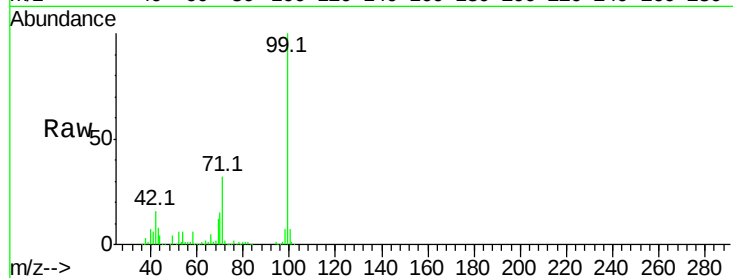
Tot Ion: 99 Resp: 1342695

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.0 25.4 38.0



#10

Phenol

Concen: 2.716 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

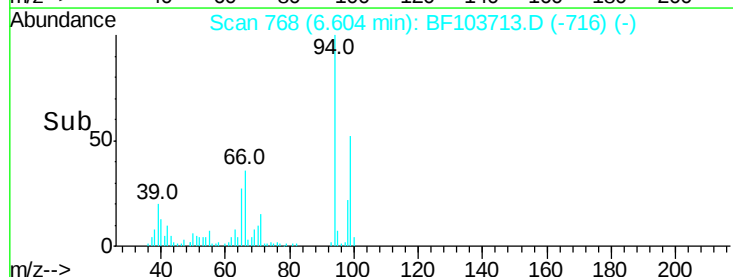
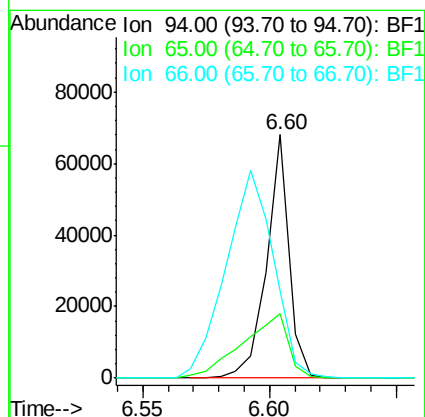
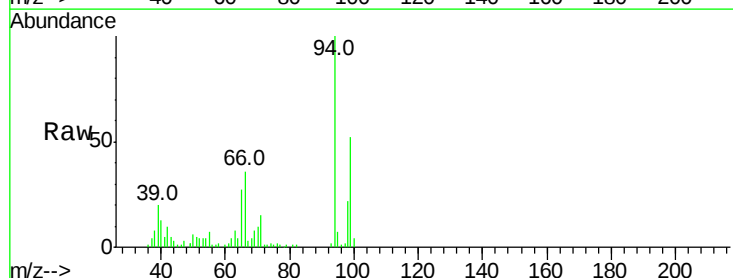
Tgt Ion: 94 Resp: 42076

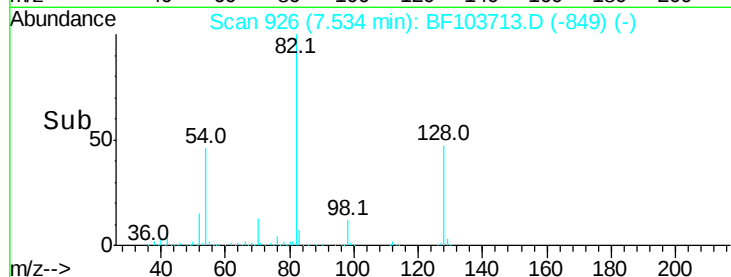
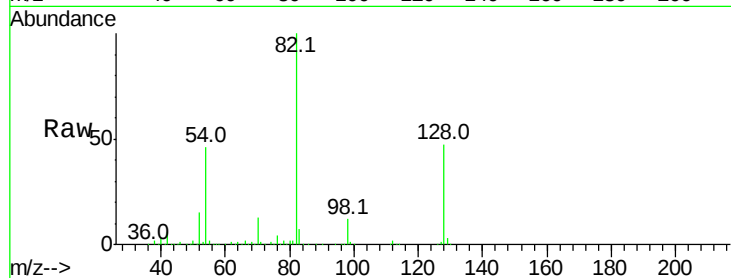
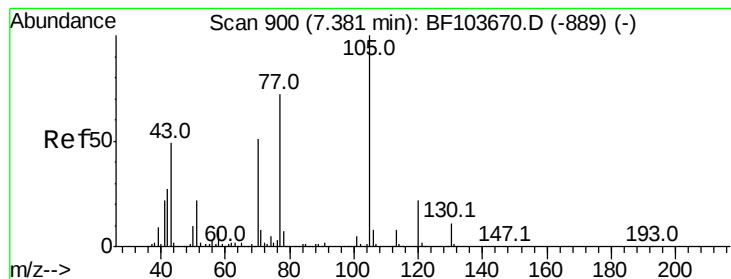
Ion Ratio Lower Upper

94 100

65 26.6 7.9 47.9

66 35.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.256 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 105171

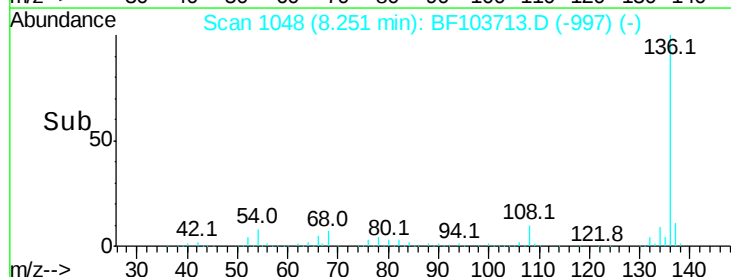
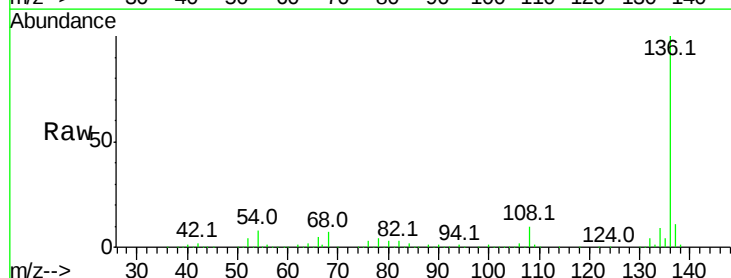
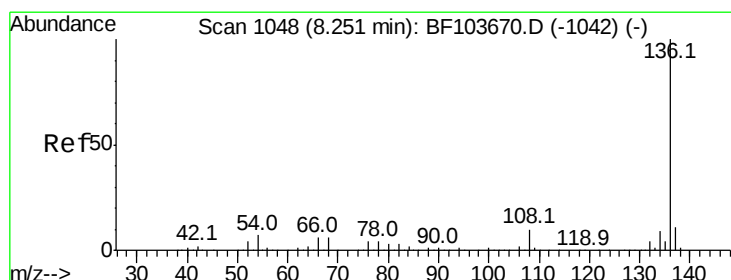
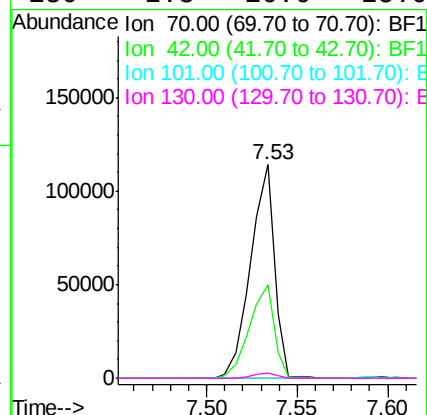
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Tgt Ion:136 Resp: 738684

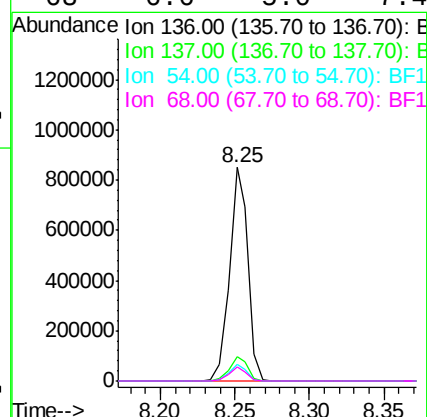
Ion Ratio Lower Upper

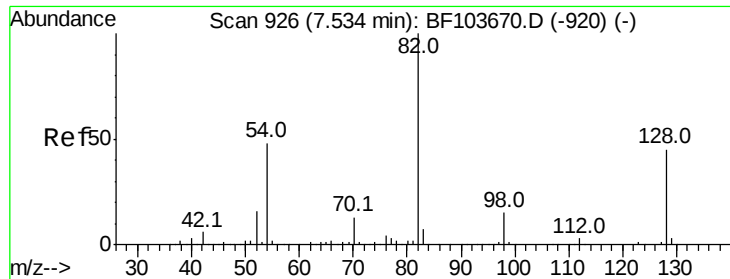
136 100

137 11.3 8.9 13.3

54 7.6 6.6 9.8

68 6.6 5.0 7.4

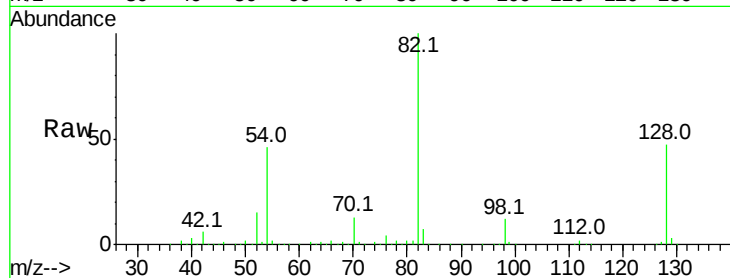




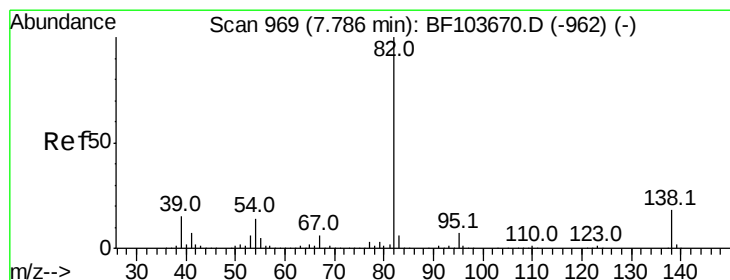
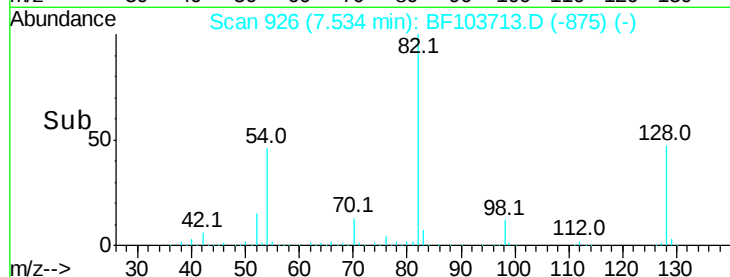
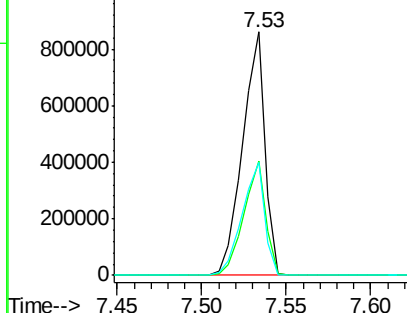
#23
Nitrobenzene-d5
Concen: 75.310 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 797724
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 46.2 41.4 62.2

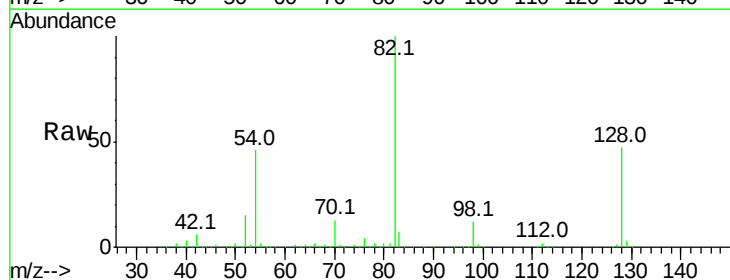


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

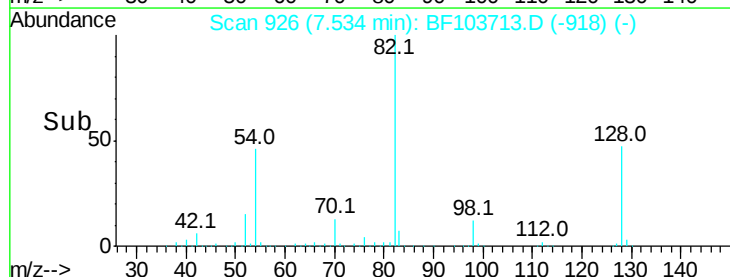
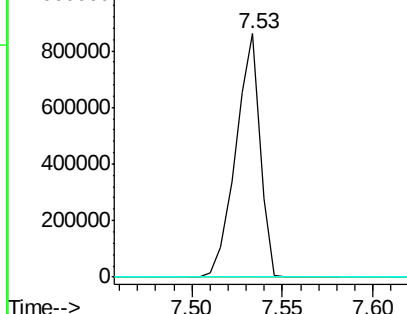


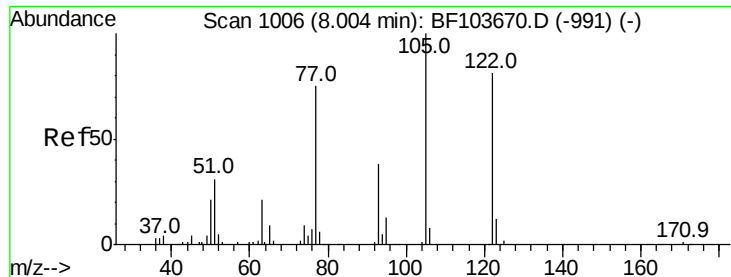
#25
Isophorone
Concen: 32.532 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Tgt Ion: 82 Resp: 797713
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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





#32

Benzoic acid

Concen: 9.921 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.25 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampleId :

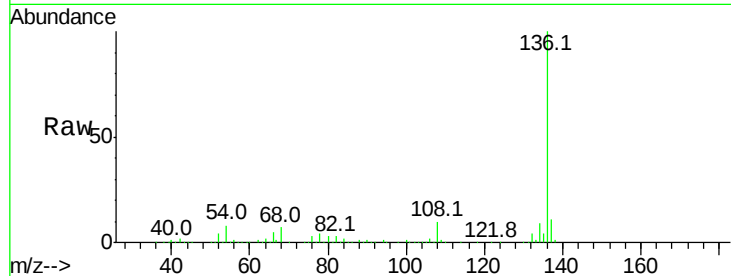
Tot Ion:122 Resp: 147

Ion Ratio Lower Upper

122 100

105 201.2 101.1 141.1#

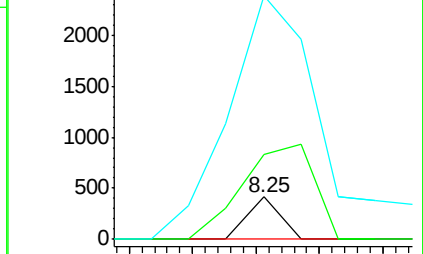
77 573.6 70.7 110.7#



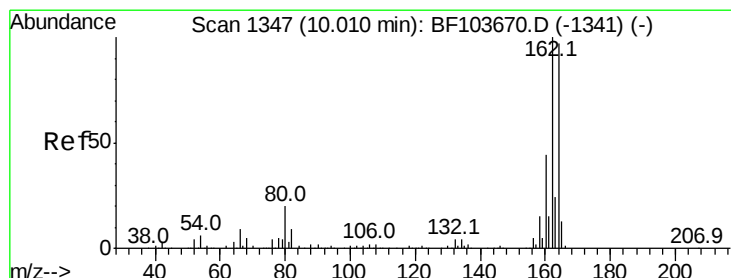
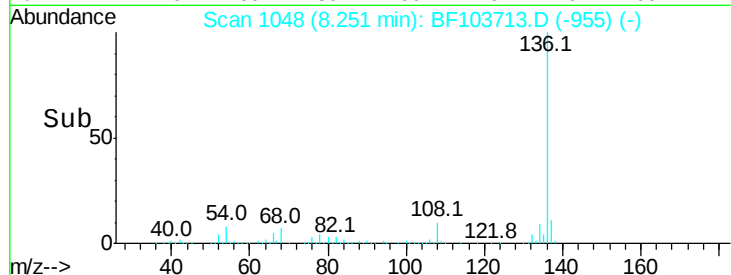
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



Time--> 8.23 8.24 8.25 8.26 8.27



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

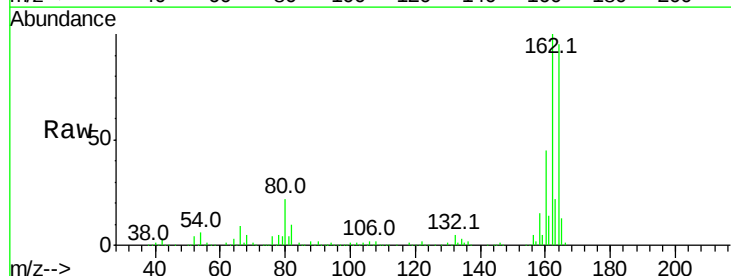
Tgt Ion:164 Resp: 316118

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

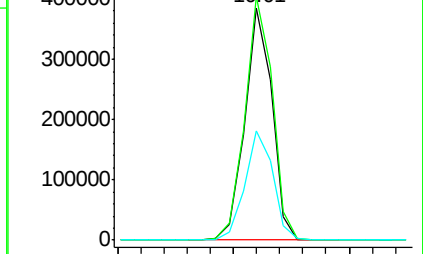
160 47.1 38.3 57.5



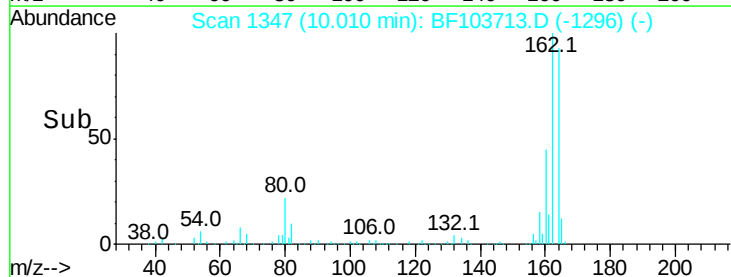
Abundance Ion 164.00 (163.70 to 164.70): E

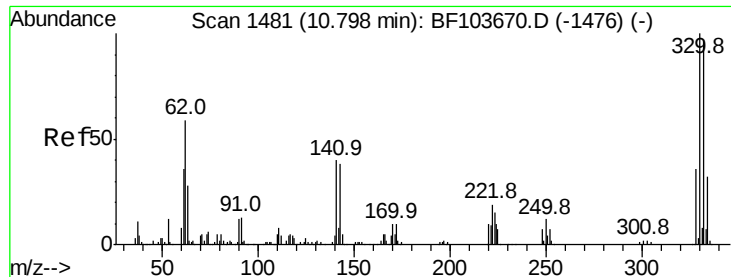
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 9.95 10.00 10.05

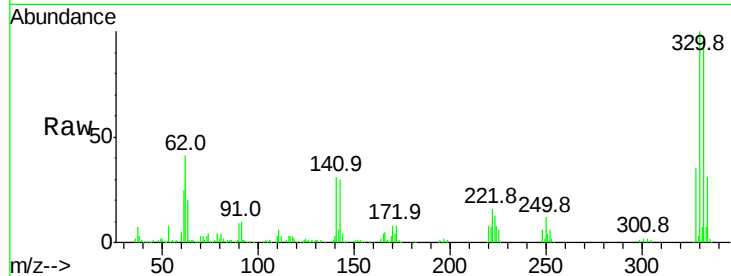




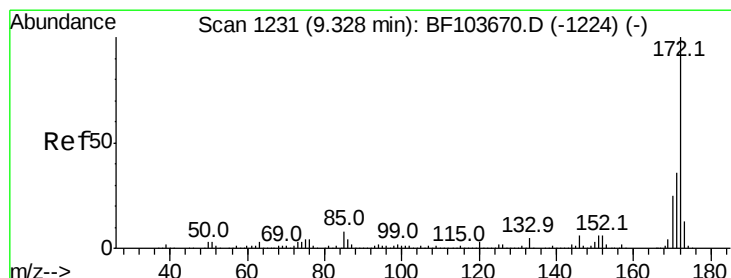
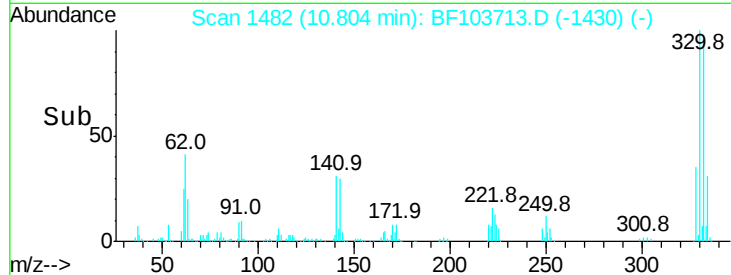
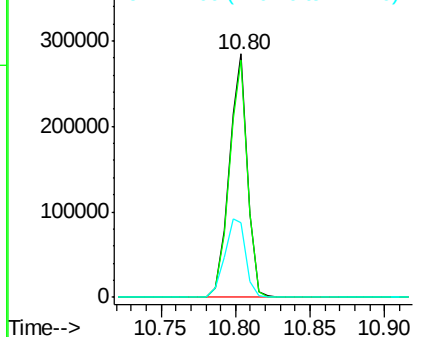
#41
 2,4,6-Tribromophenol
 Concen: 90.883 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103713.D
 Acq: 16 Mar 2018 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	37.1	29.9	44.9

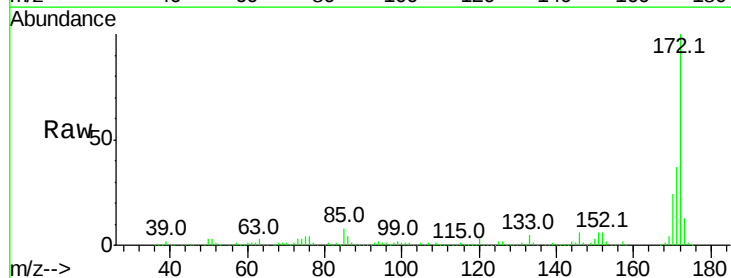


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

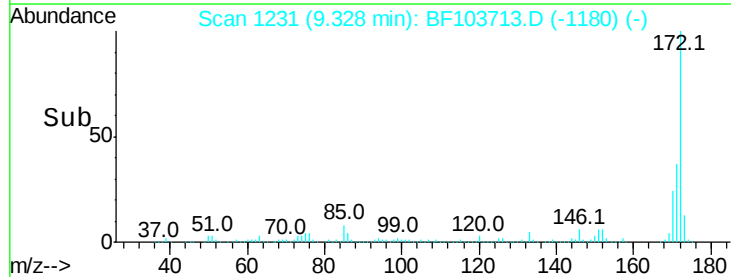
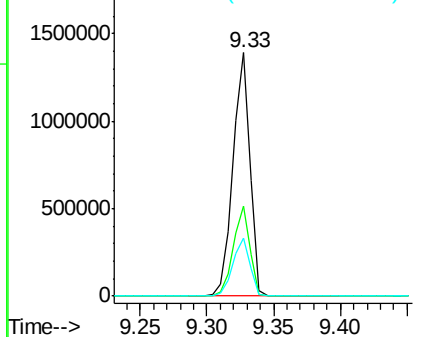


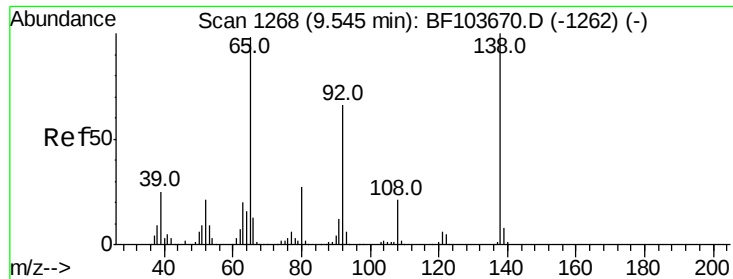
#44
 2-Fluorobiphenyl
 Concen: 63.074 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103713.D
 Acq: 16 Mar 2018 22:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	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

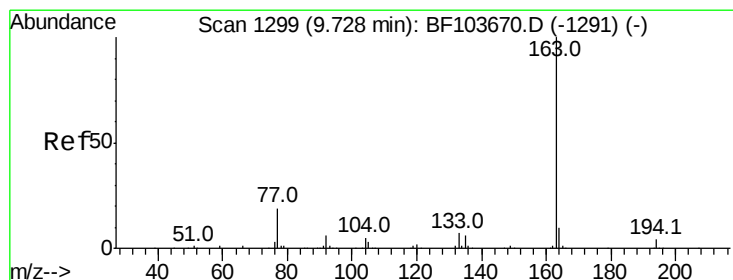
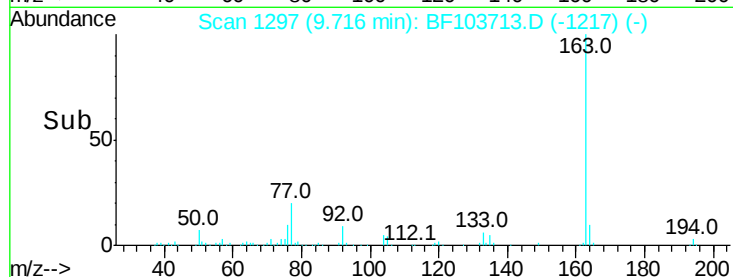
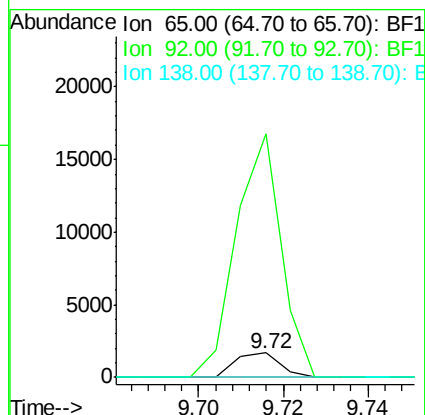
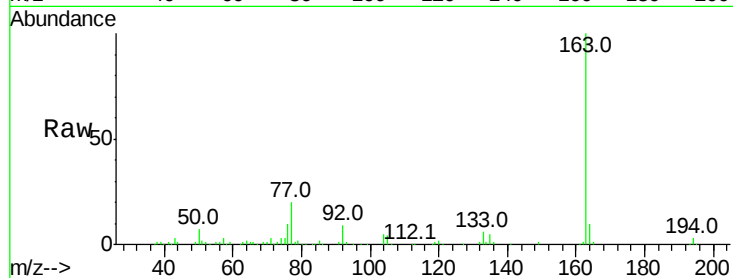




#47
2-Nitroaniline
Concen: 7.011 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.17 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

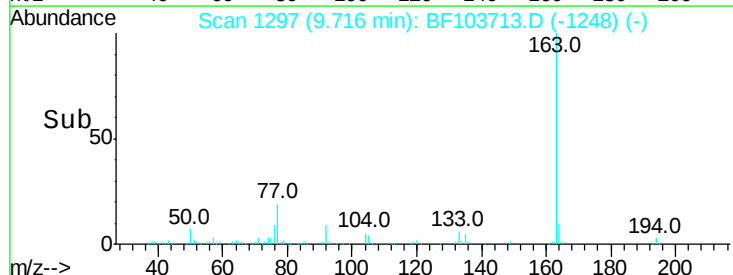
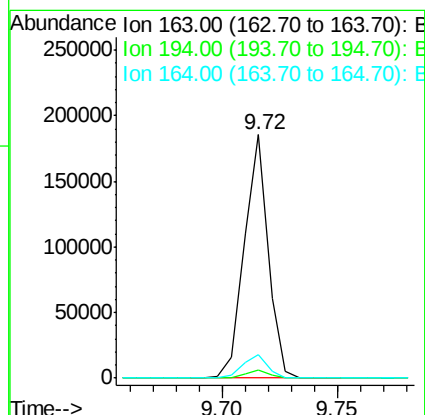
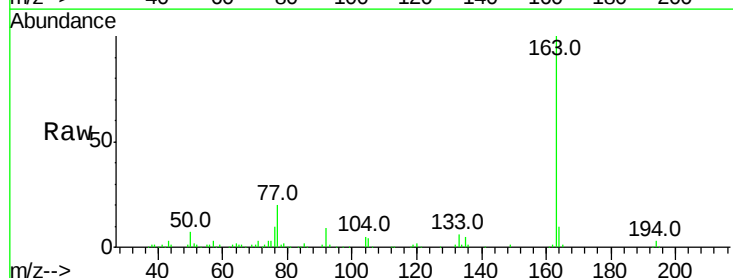
Instrument :
BNA_F
ClientSampleId :

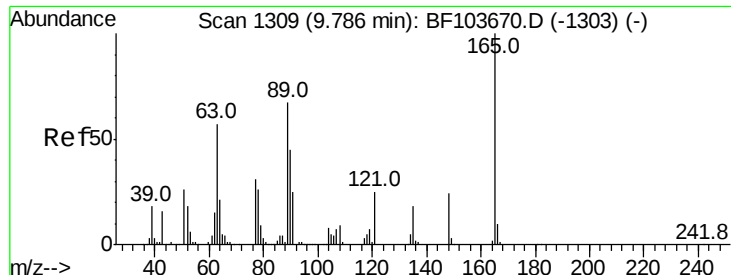
Tot Ion: 65 Resp: 1253
Ion Ratio Lower Upper
65 100
92 995.7 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 5.573 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Tgt Ion:163 Resp: 134418
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.9 8.2 12.2

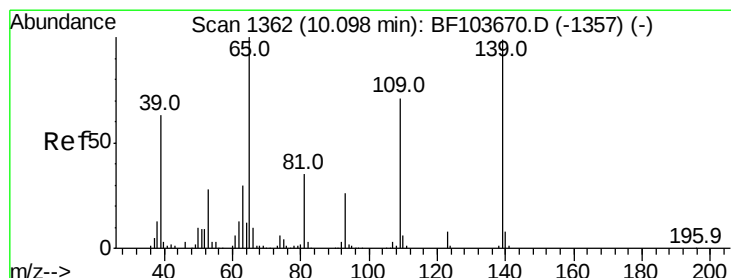
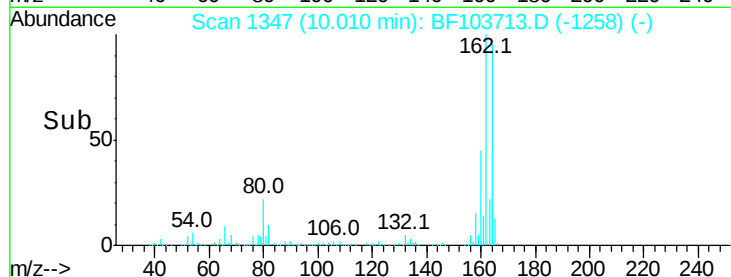
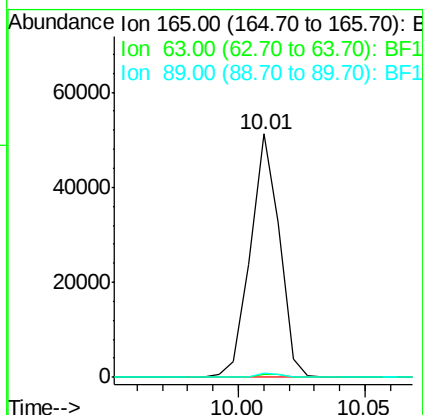
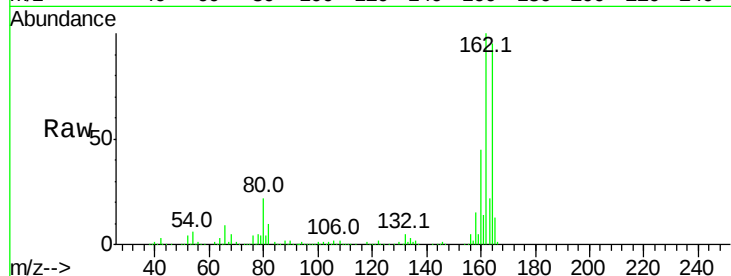




#50
 2,6-Dinitrotoluene
 Concen: 12.020 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103713.D
 Acq: 16 Mar 2018 22:53

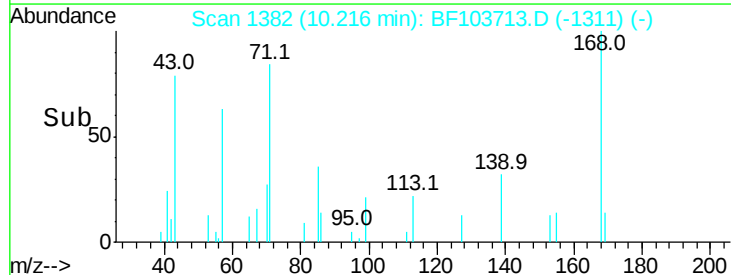
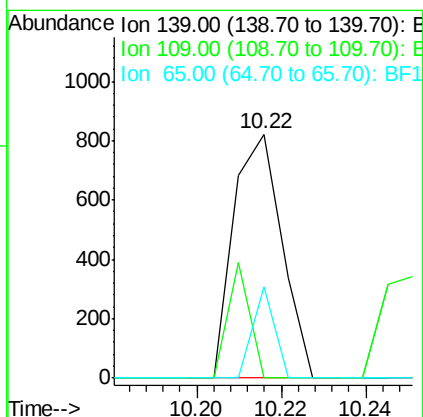
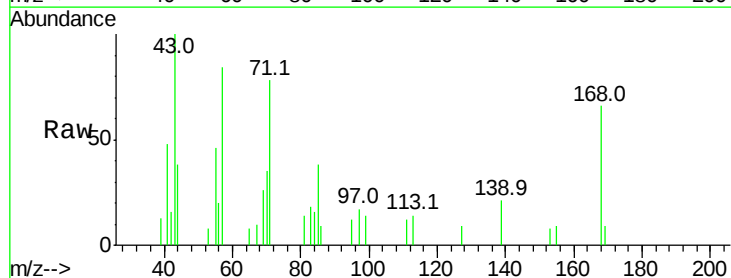
Instrument :
 BNA_F
 ClientSampleId :

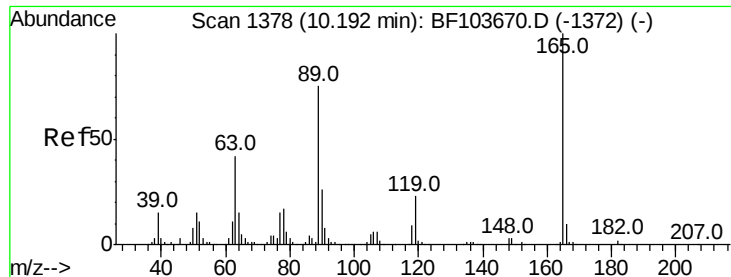
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.8	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 5.108 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: BF103713.D
 Acq: 16 Mar 2018 22:53

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	37.3	72.6	112.6#

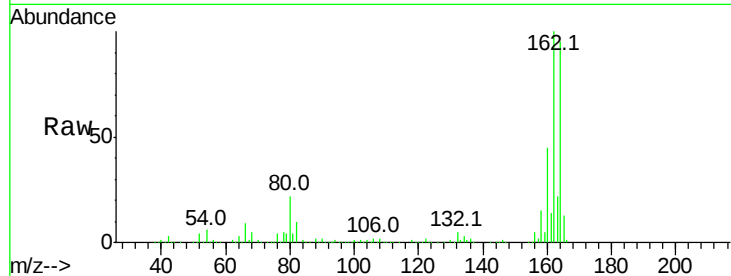




#56
 2,4-Dinitrotoluene
 Concen: 12.235 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103713.D
 Acq: 16 Mar 2018 22:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#

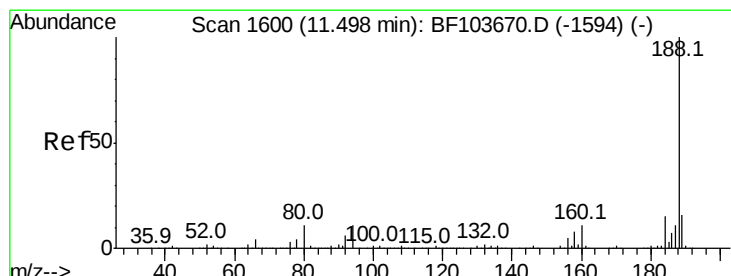
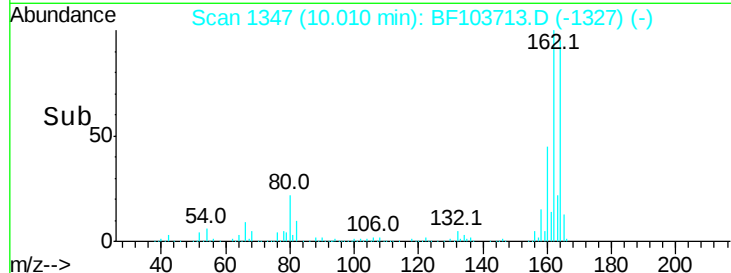
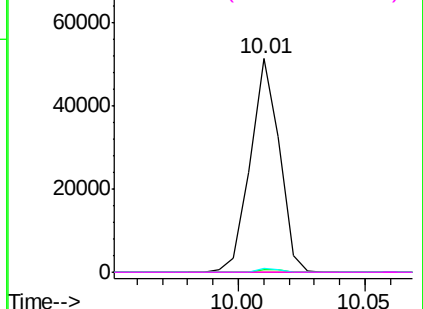


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

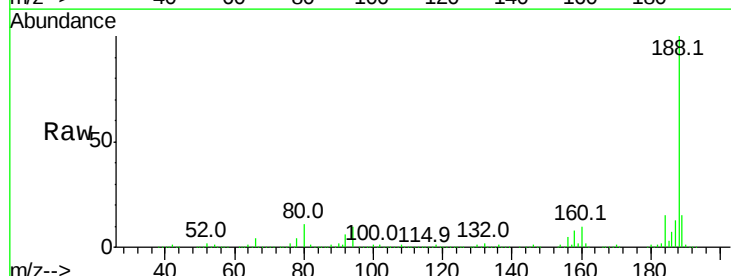
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103713.D
 Acq: 16 Mar 2018 22:53

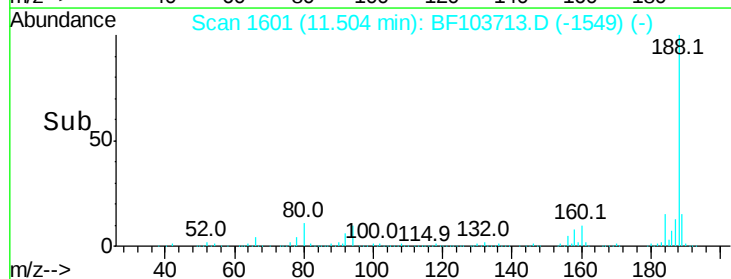
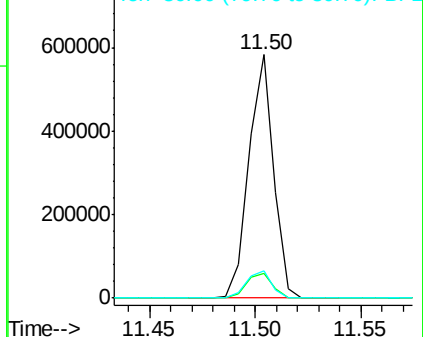
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.1	9.2	13.8

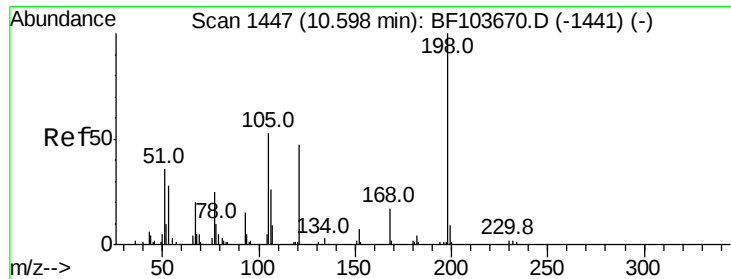


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.452 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.20 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampled :

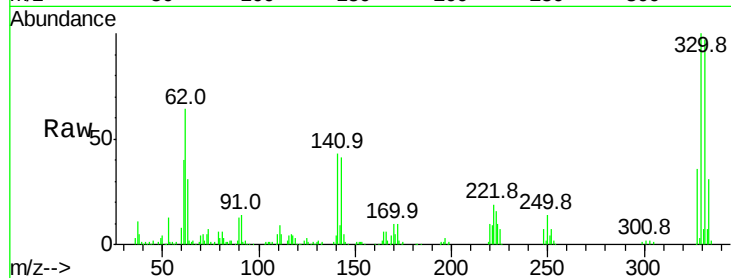
Tot Ion:198 Resp: 531

Ion Ratio Lower Upper

198 100

51 175.3 37.7 77.7#

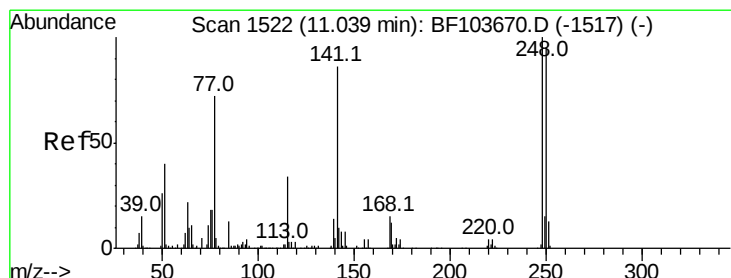
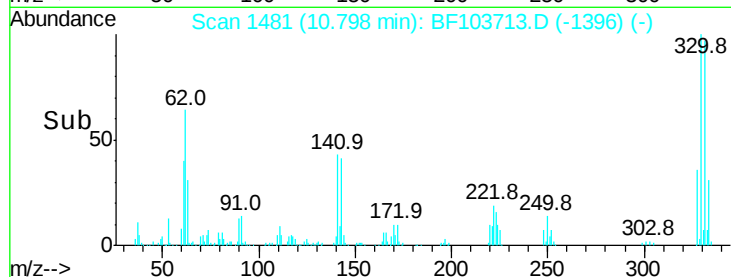
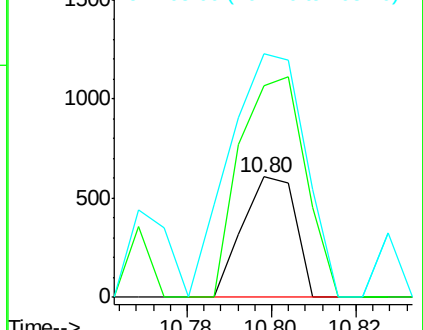
105 202.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.130 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

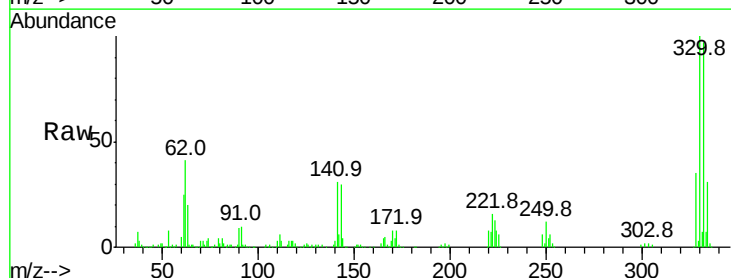
Tgt Ion:248 Resp: 15221

Ion Ratio Lower Upper

248 100

250 202.6 76.9 115.3#

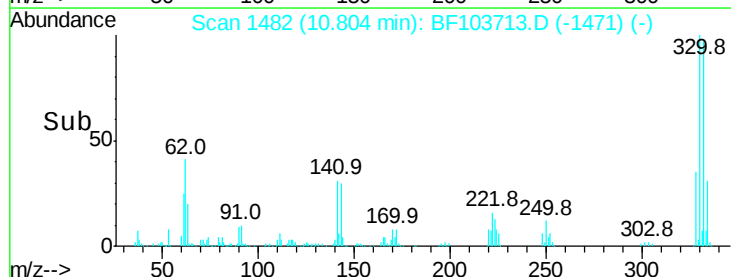
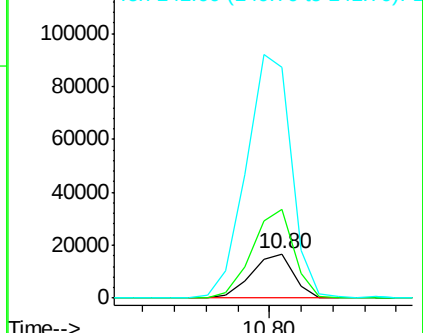
141 525.9 74.4 111.6#

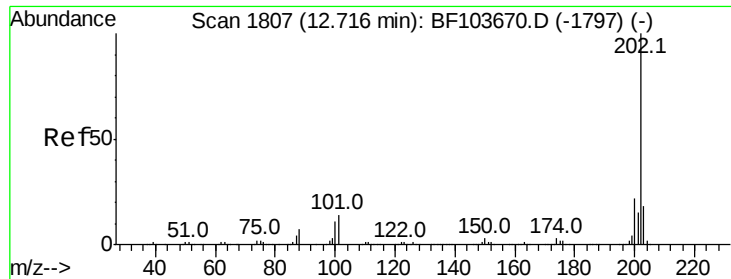


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 4.203 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampleId :

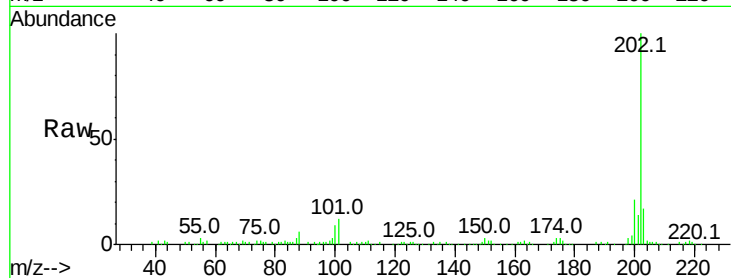
Tot Ion:202 Resp: 112172

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

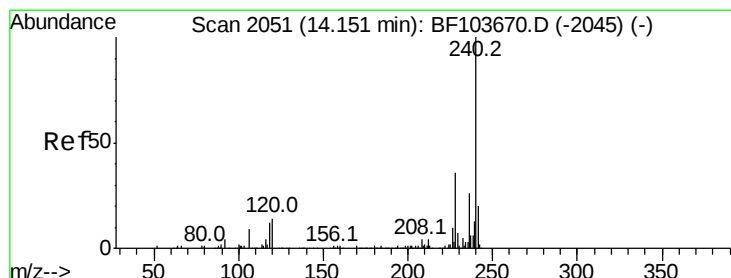
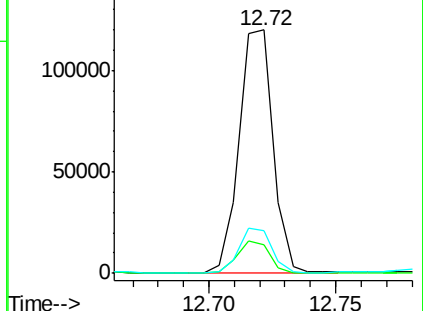
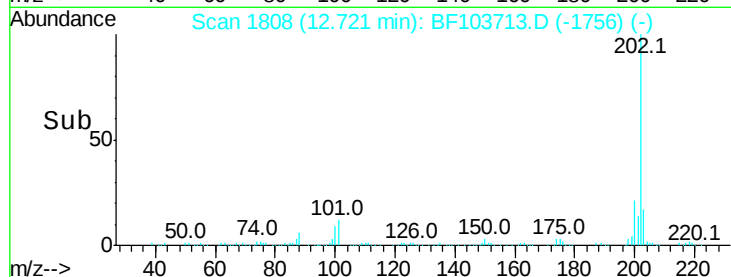
203 17.3 0.0 38.1



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: 14.15 min Scan# 2051

Delta R.T. 0.00 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

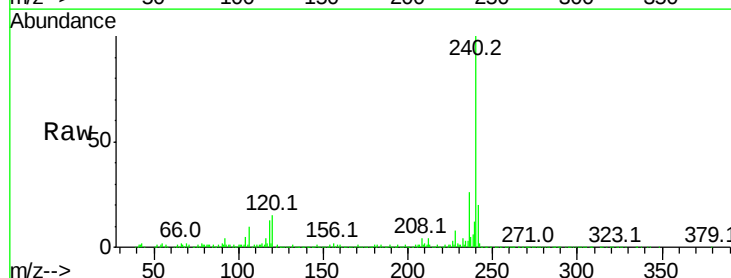
Tgt Ion:240 Resp: 333045

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

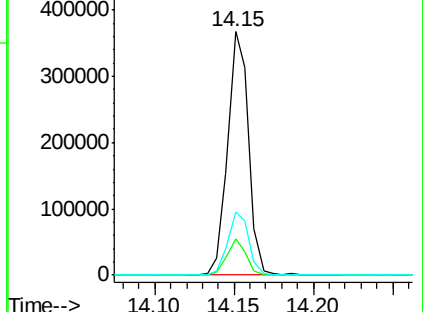
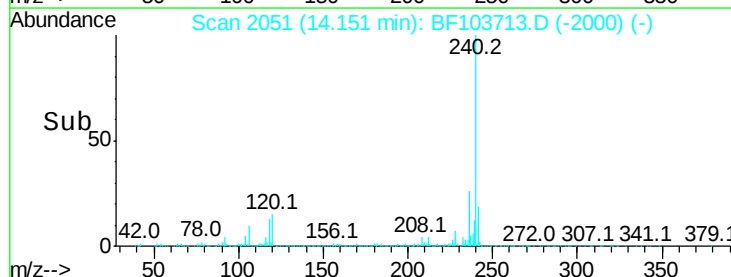
236 25.9 20.7 31.1

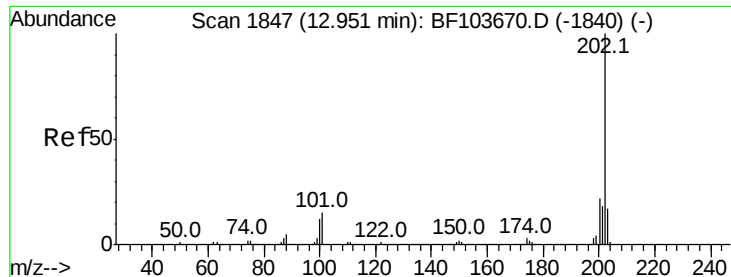


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

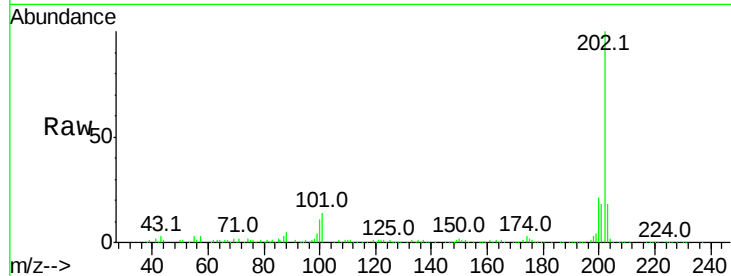




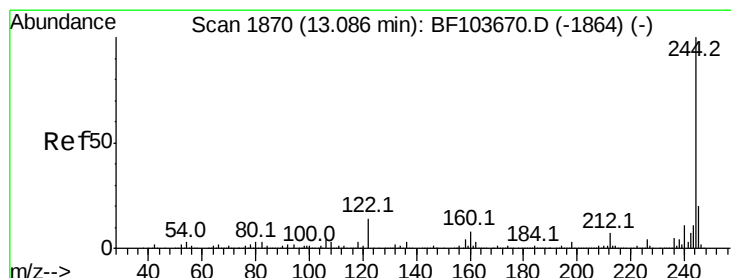
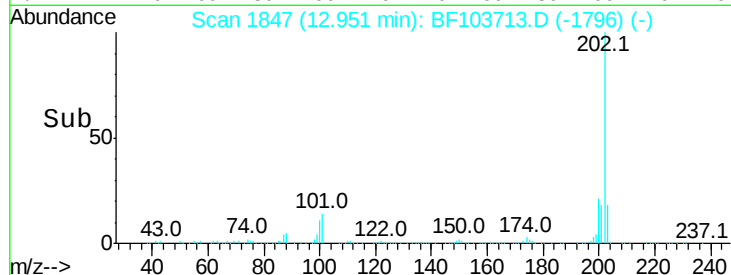
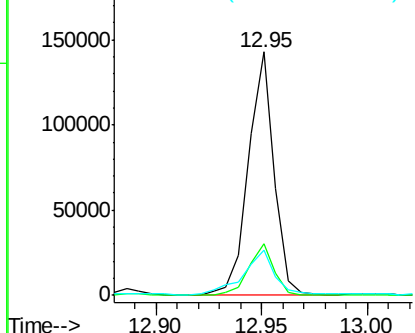
#77
Pvrene
Concen: 4.911 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.4	14.3	21.5

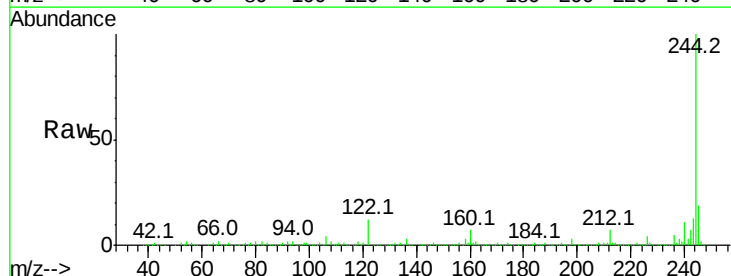


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

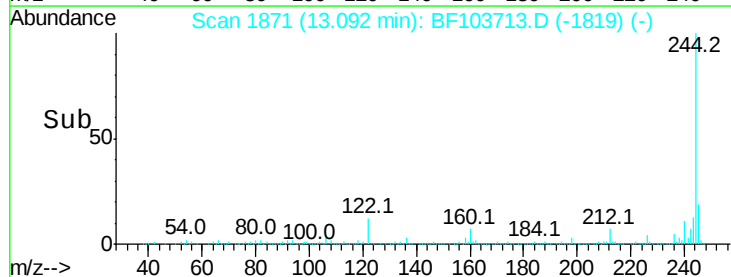
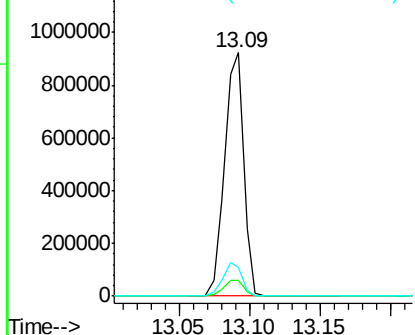


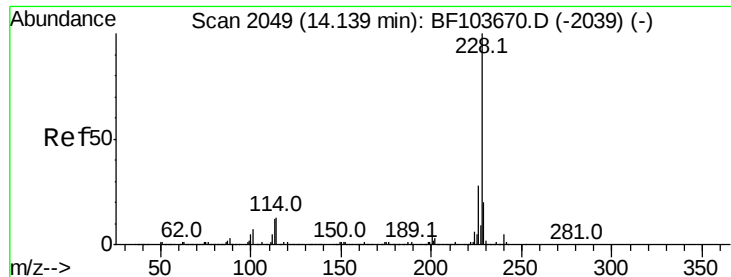
#78
Terphenyl-d14
Concen: 60.703 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.9	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

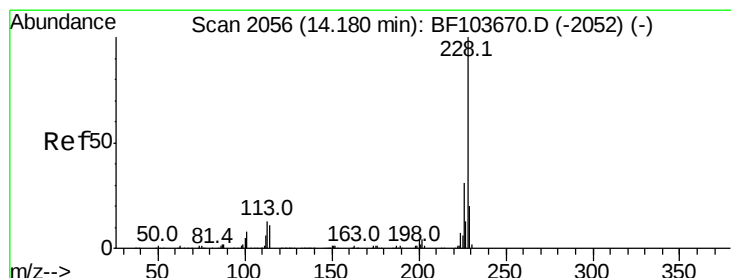
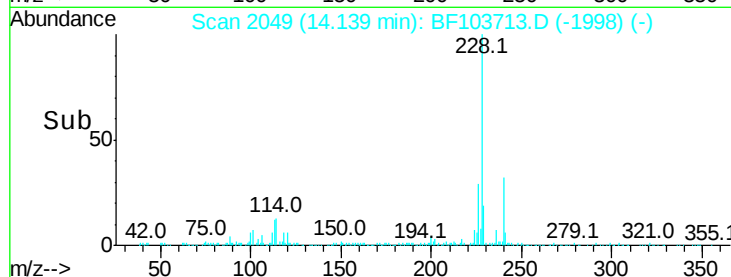
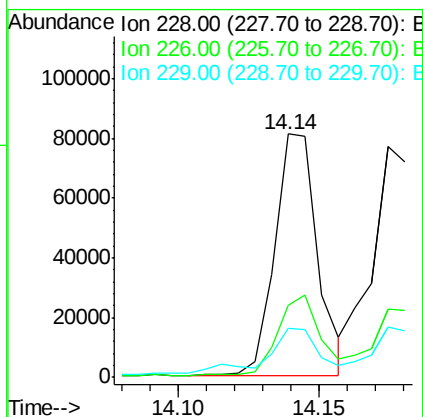
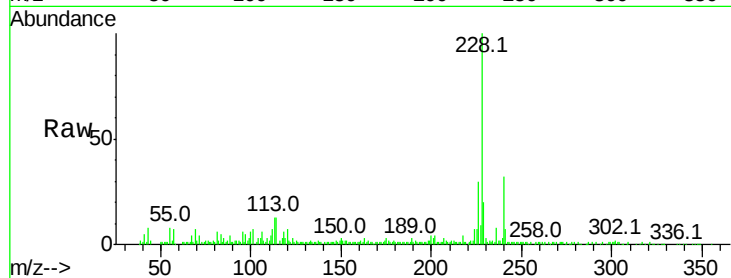




#80
Benzo(a)anthracene
Concen: 4.036 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

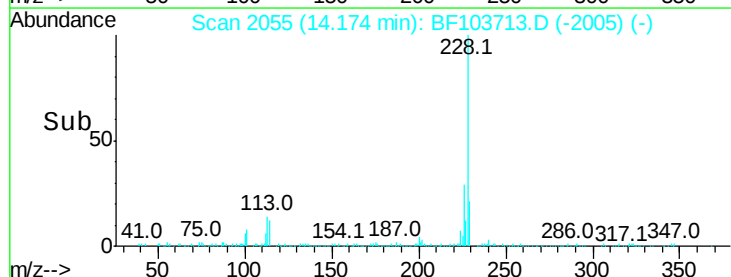
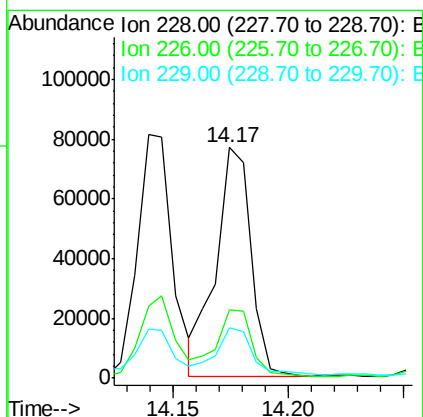
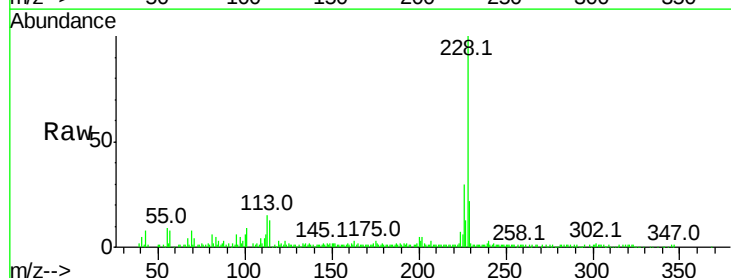
Instrument :
BNA_F
ClientSampled :

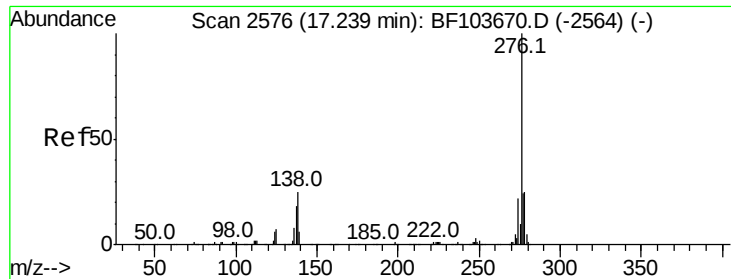
Tot Ion:228 Resp: 85086
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 20.4 15.8 23.6



#82
Chrysene
Concen: 4.019 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF103713.D
Acq: 16 Mar 2018 22:53

Tgt Ion:228 Resp: 80760
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 22.1 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.467 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampled :

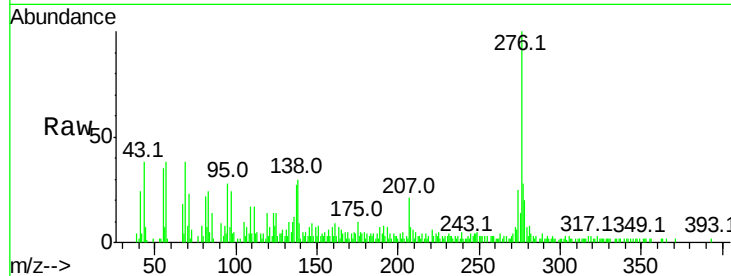
Tot Ion:276 Resp: 43296

Ion Ratio Lower Upper

276 100

138 27.3 25.0 37.6

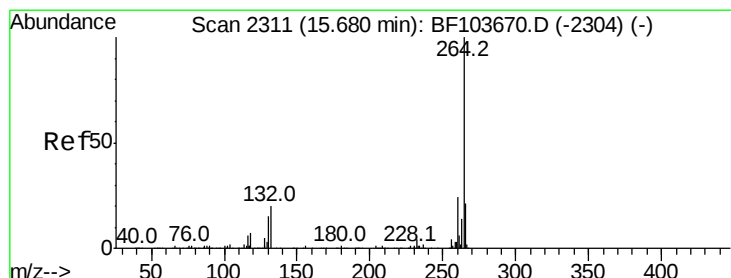
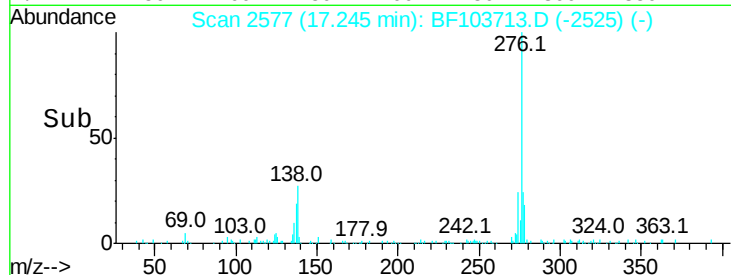
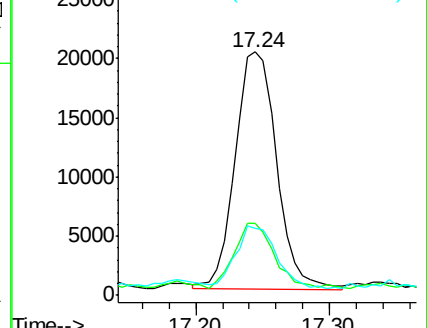
277 26.1 20.1 30.1



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: 15.69 min Scan# 2312

Delta R.T. 0.01 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

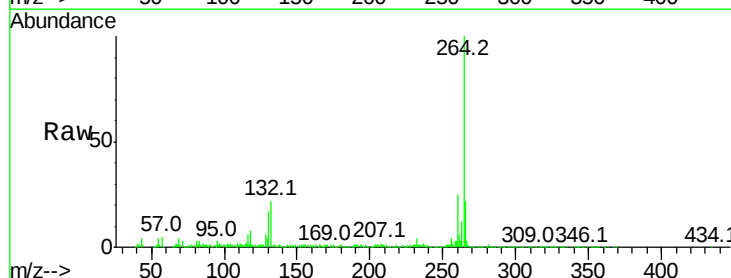
Tgt Ion:264 Resp: 284584

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

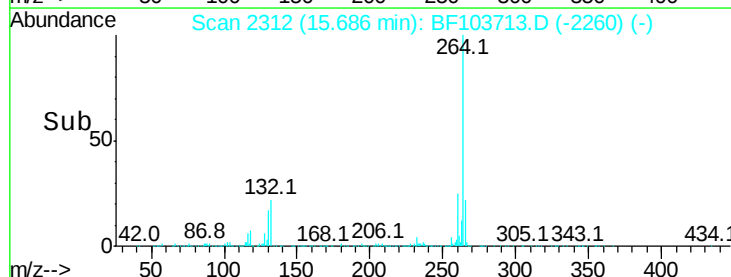
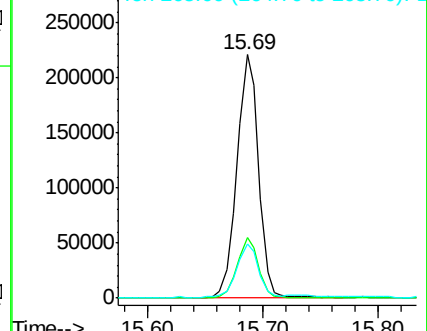
265 22.1 17.5 26.3

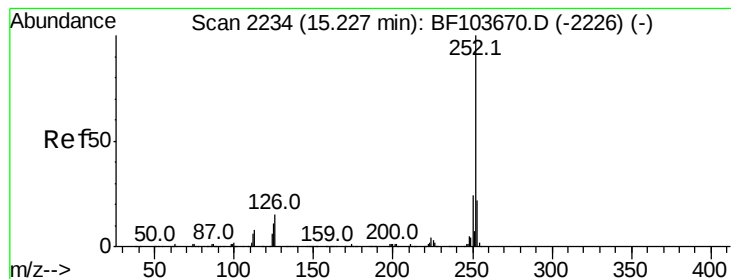


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.260 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampleId :

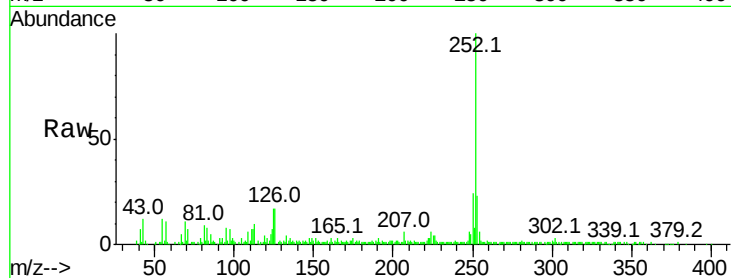
Tot Ion:252 Resp: 148512

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

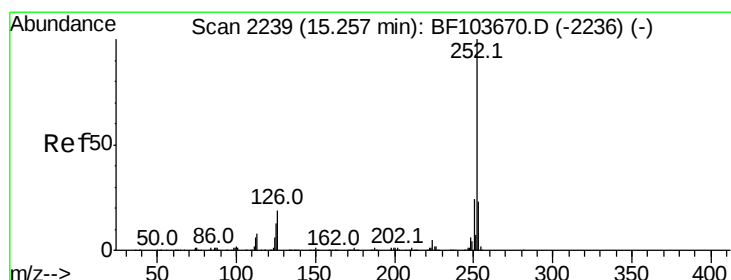
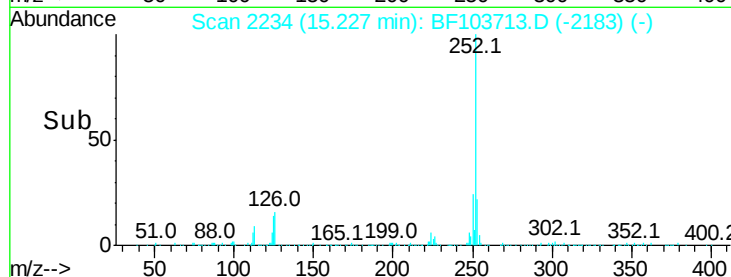
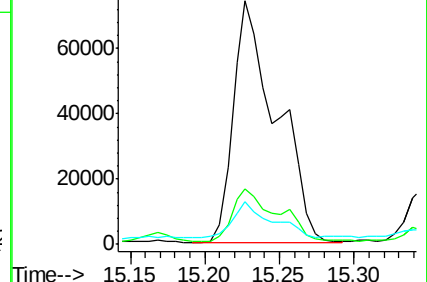
125 17.5 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 8.596 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

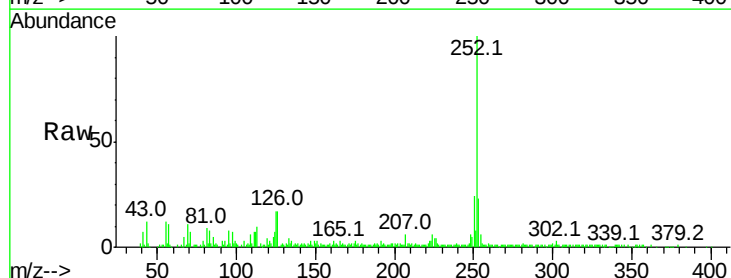
Tgt Ion:252 Resp: 148557

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

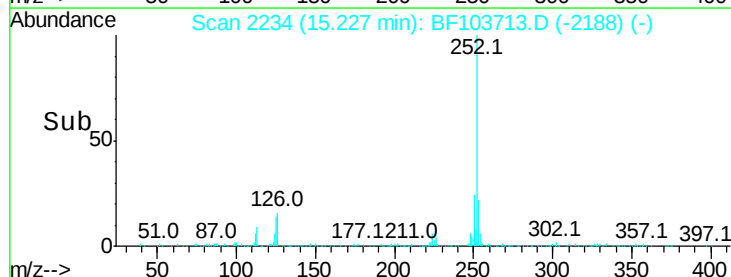
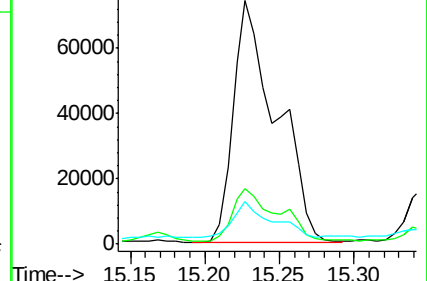
125 17.5 10.2 15.2#

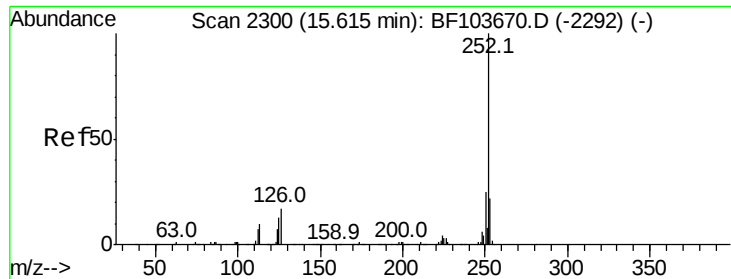


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.659 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

Instrument :

BNA_F

ClientSampleId :

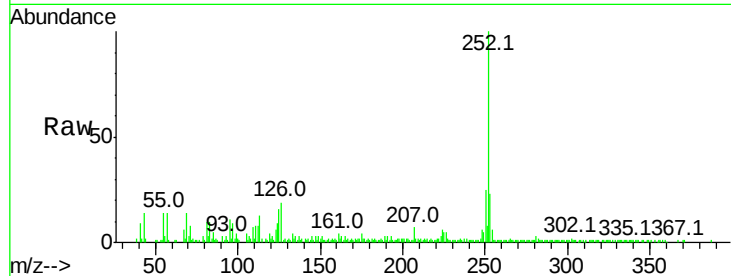
Tot Ion:252 Resp: 75973

Ion Ratio Lower Upper

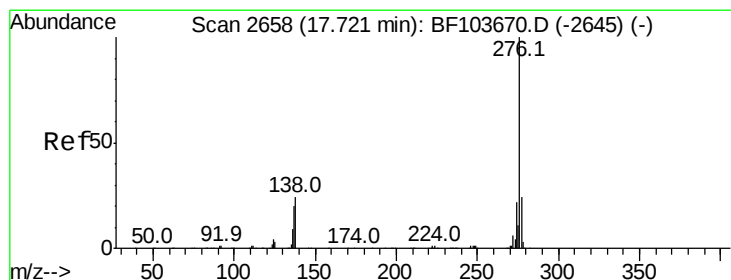
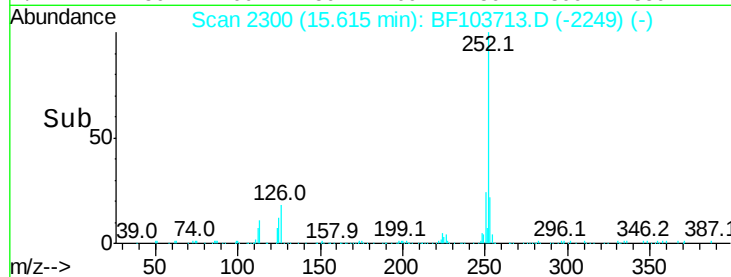
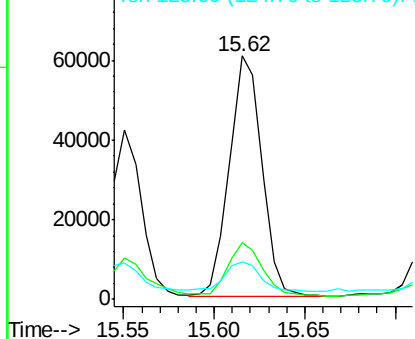
252 100

253 23.5 17.1 25.7

125 15.6 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: 2.934 ng

RT: 17.72 min Scan# 2658

Delta R.T. 0.00 min

Lab File: BF103713.D

Acq: 16 Mar 2018 22:53

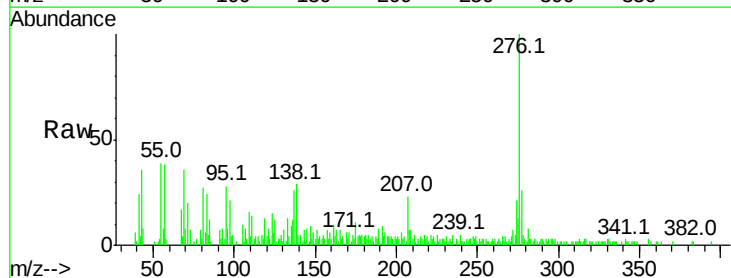
Tgt Ion:276 Resp: 40311

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 28.7 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

