

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102579.D
 Acq On : 29 Jan 2018 1:06
 Operator : SJ/JU
 Sample : J1325-01RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 05:53:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	146165	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	548255	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	201315	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	292846	20.00	ng	0.00
75) Chrysene-d12	13.88	240	279569	20.00	ng	0.00
86) Perylene-d12	15.31	264	212116	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	974423	101.08	ng	0.01
7) Phenol-d6	6.36	99	1148536	98.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	676186	70.88	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	145464	72.92	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1073120	78.38	ng	0.00
78) Terphenyl-d14	12.82	244	781463	63.01	ng	0.00

Target Compounds

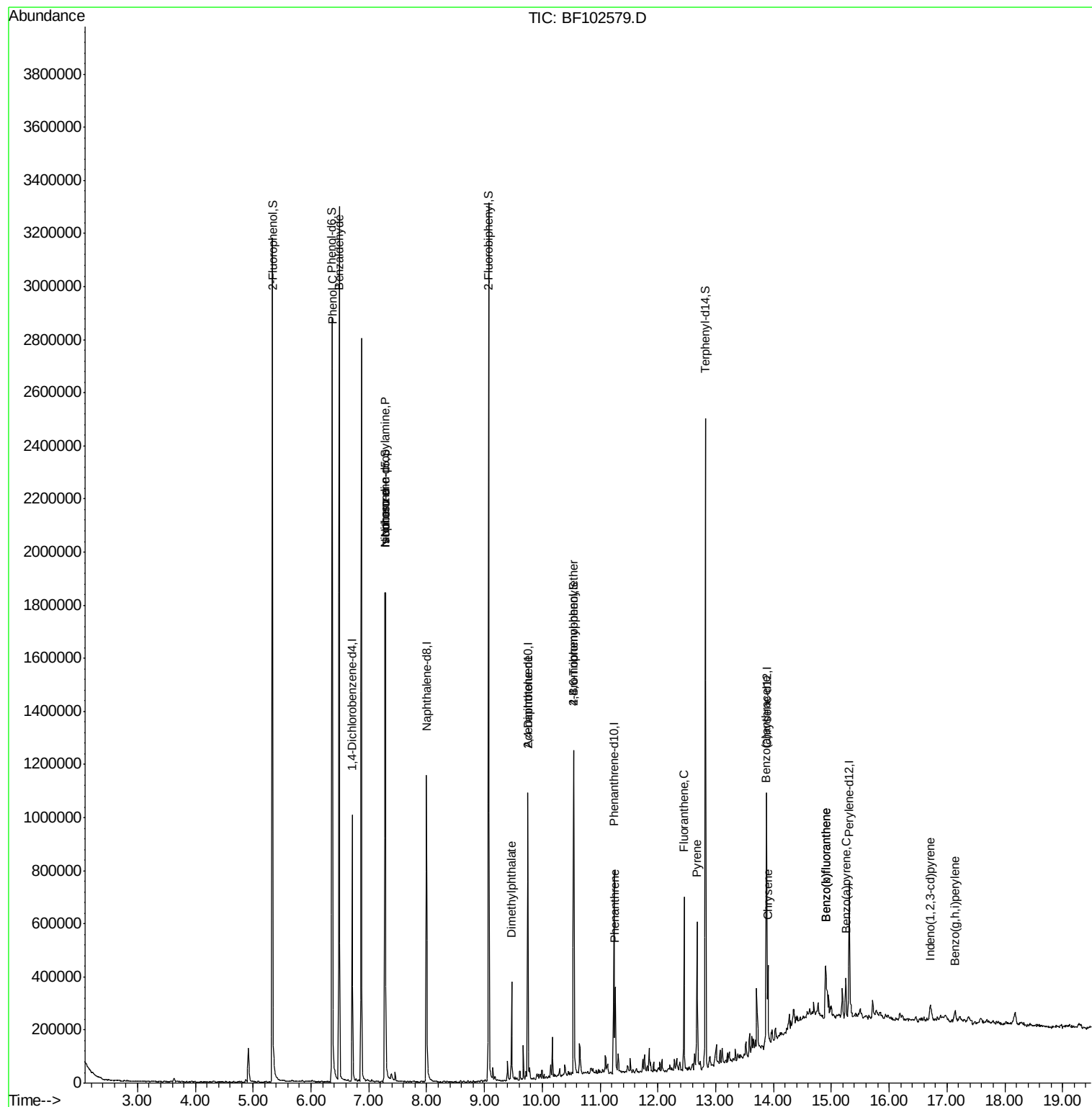
						Qvalue
9) Benzaldehyde	6.49	77	19394	2.425	ng	86
10) Phenol	6.37	94	46566	3.670	ng	85
19) n-Nitroso-di-n-propylamine	7.29	70	90621	12.742	ng	# 78
25) Isophorone	7.29	82	676277	39.762	ng	# 64
49) Dimethylphthalate	9.47	163	145668	8.754	ng	100
56) 2,4-Dinitrotoluene	9.75	165	24559	5.567	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	10106	3.206	ng	# 1
70) Phenanthrene	11.26	178	120784	7.078	ng	96
74) Fluoranthene	12.45	202	237642	13.656	ng	97
77) Pyrene	12.68	202	215590	9.974	ng	99
80) Benzo(a)anthracene	13.87	228	113949	6.620	ng	100
82) Chrysene	13.90	228	107084	6.127	ng	96
85) Indeno(1,2,3-cd)pyrene	16.71	276	32994	2.286	ng	96
87) Benzo(b)fluoranthene	14.90	252	145384	10.575	ng	# 96
88) Benzo(k)fluoranthene	14.90	252	145384	11.193	ng	97
89) Benzo(a)pyrene	15.25	252	69435	5.600	ng	# 94
91) Benzo(a,h,i)perylene	17.14	276	33127	3.340	ng	92

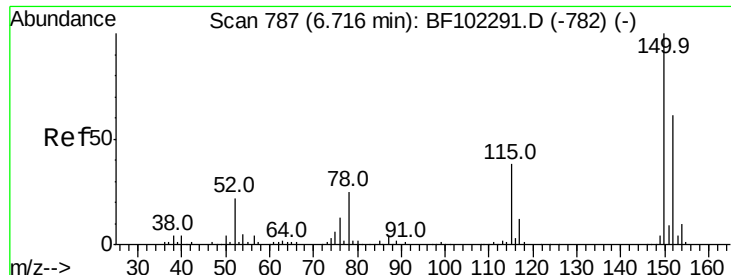
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102579.D
Acq On : 29 Jan 2018 1:06
Operator : SJ/JU
Sample : J1325-01RE
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 29 05:53:02 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 27 20:48:40 2018
Response via : Initial Calibration



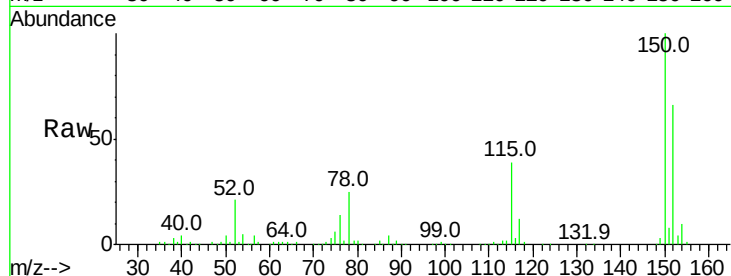


#1

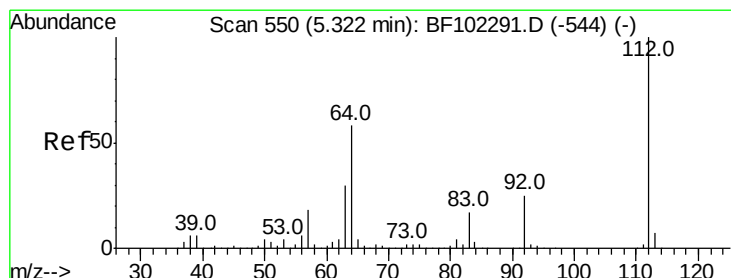
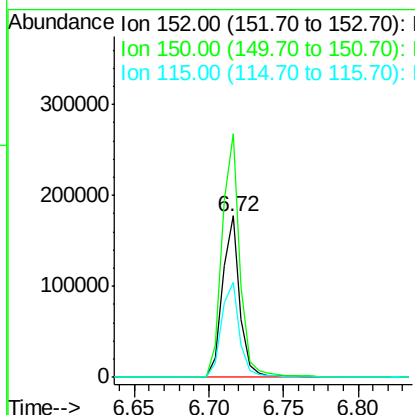
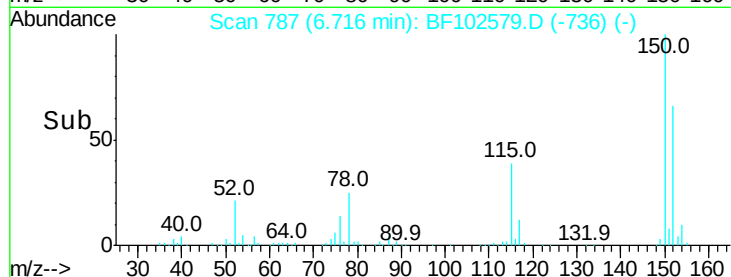
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146165
Ion Ratio Lower Upper
152 100
150 150.9 124.6 186.8
115 59.1 50.1 75.1



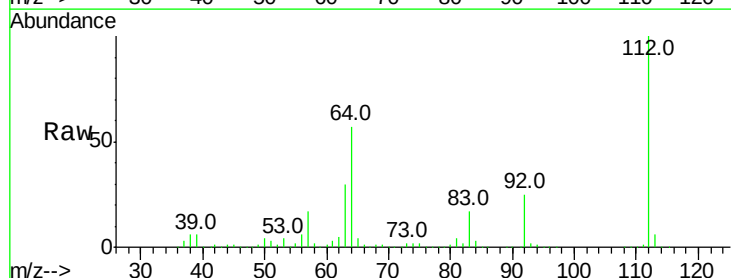
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



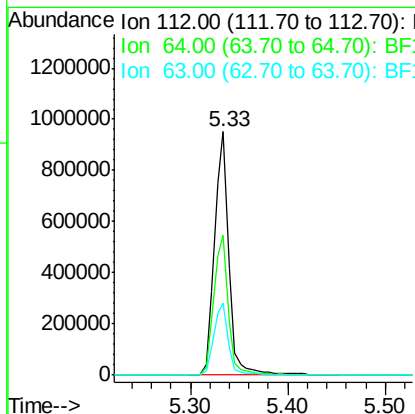
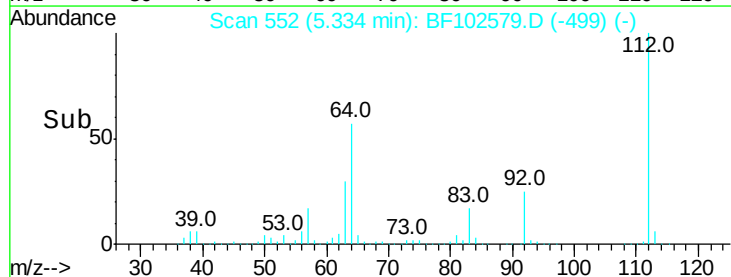
#5

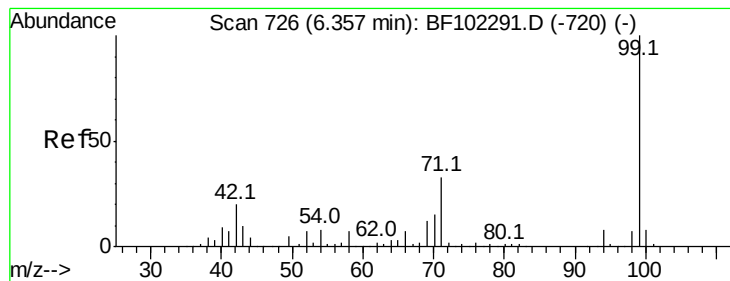
2-Fluorophenol
Concen: 101.083 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion:112 Resp: 974423
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 29.7 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: 98.827 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

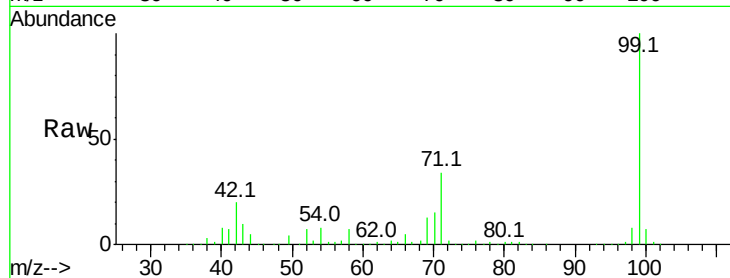
Tot Ion: 99 Resp: 1148536

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

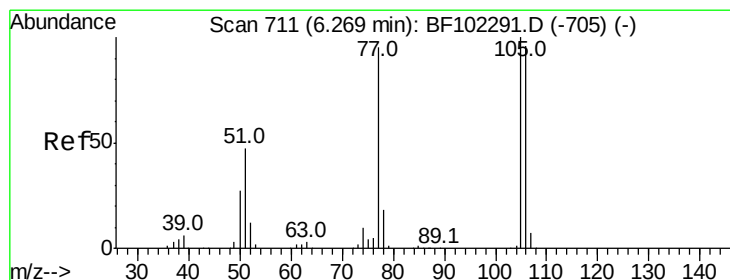
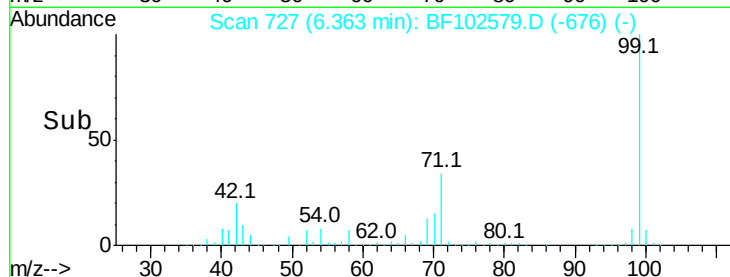
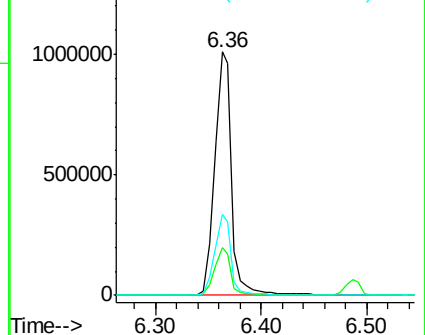
71 33.5 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.425 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

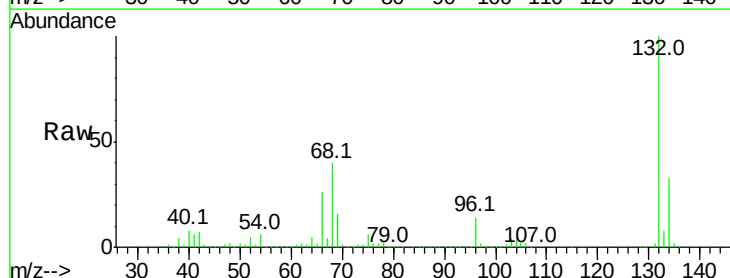
Tgt Ion: 77 Resp: 19394

Ion Ratio Lower Upper

77 100

105 86.5 81.1 121.1

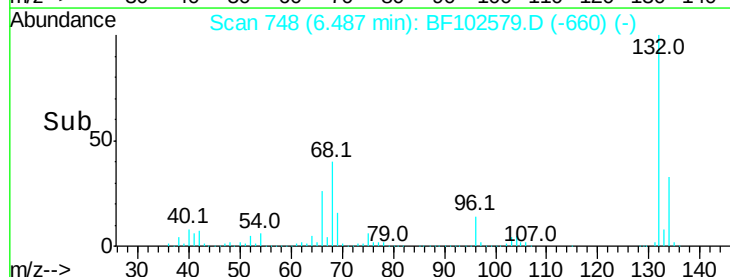
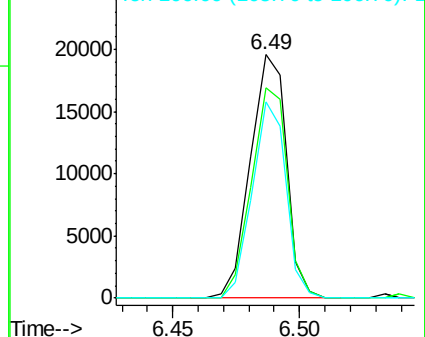
106 80.7 74.5 114.5

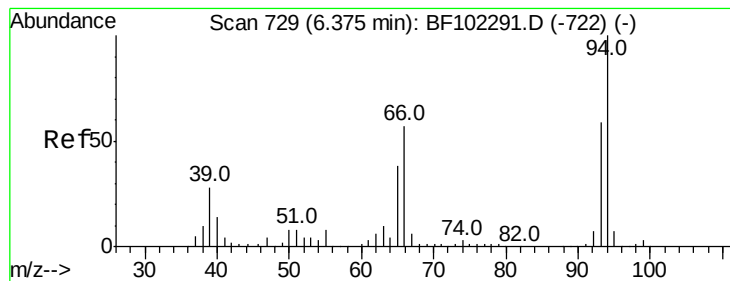


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.670 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

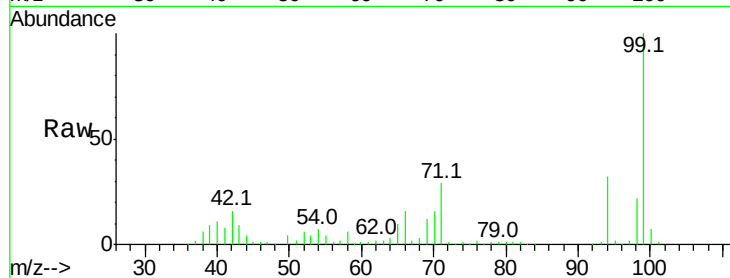
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 46566

Ion	Ratio	Lower	Upper
94	100		
65	31.2	7.9	47.9
66	49.5	16.2	56.2



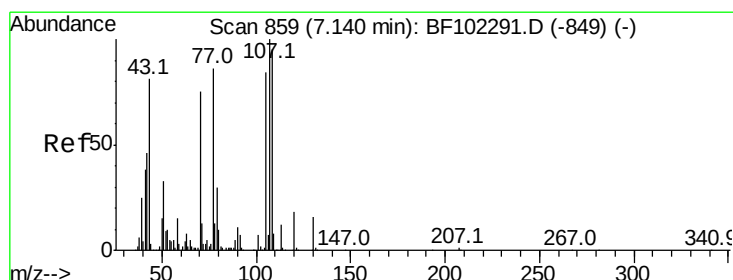
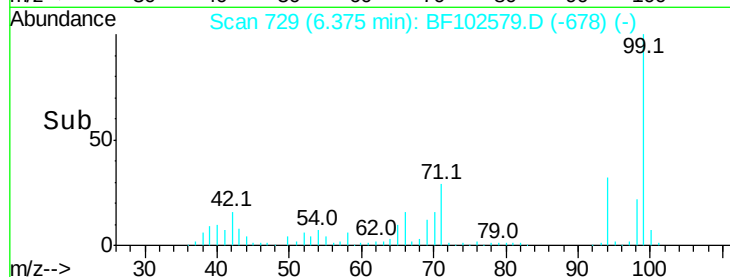
Abundance

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

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.742 ng

RT: 7.29 min Scan# 884

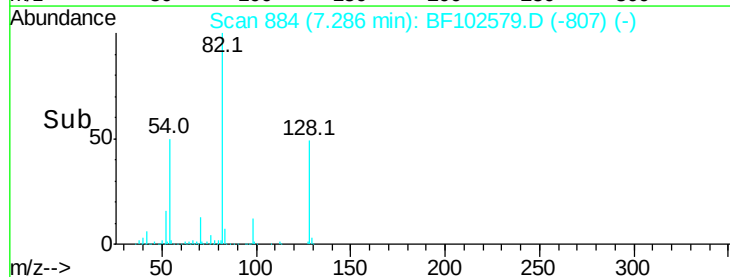
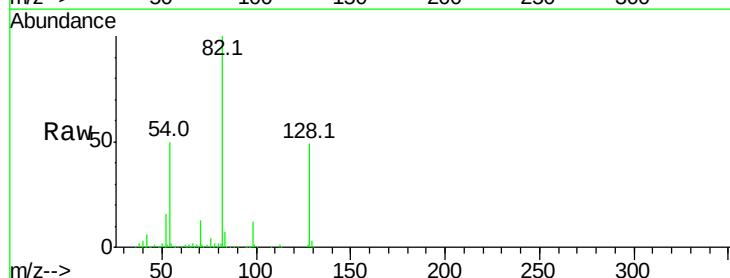
Delta R.T. 0.15 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Tgt Ion: 70 Resp: 90621

Ion	Ratio	Lower	Upper
70	100		
42	48.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



Abundance

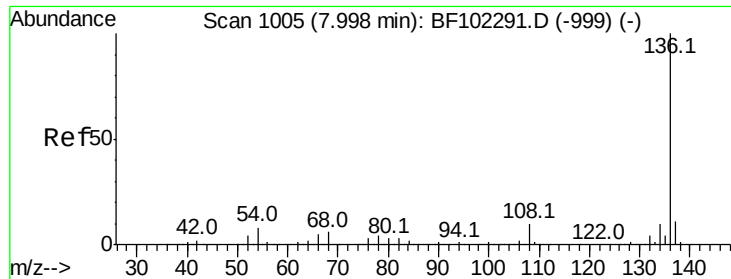
Ion 70.00 (69.70 to 70.70): BF1

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

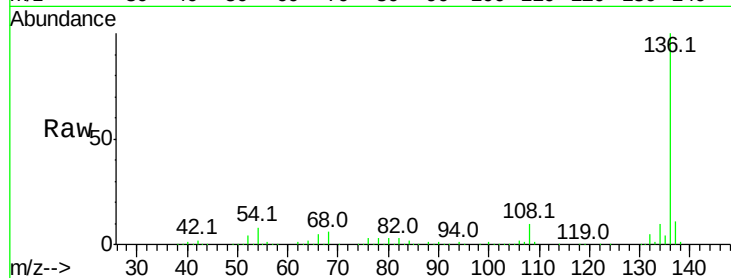
Time-->



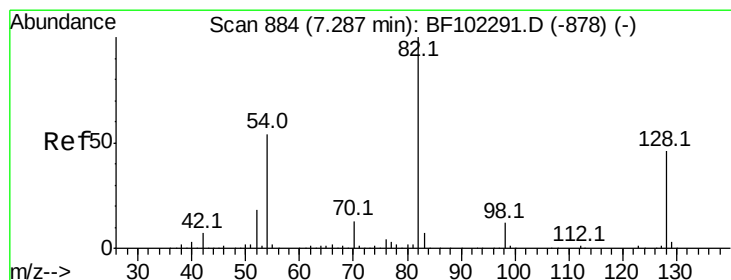
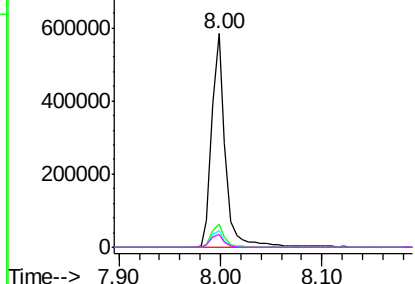
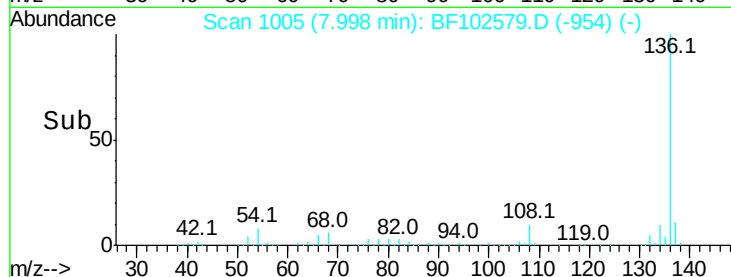
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	548255
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.0	6.6	9.8
68	6.1	5.0	7.4

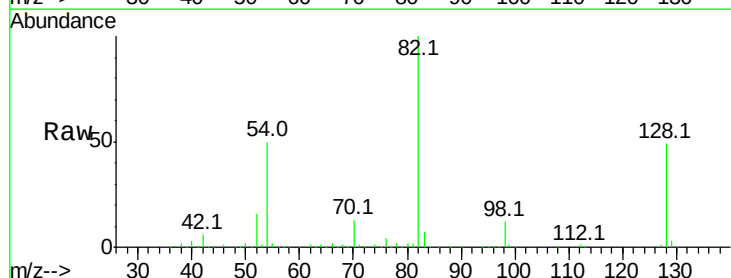


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

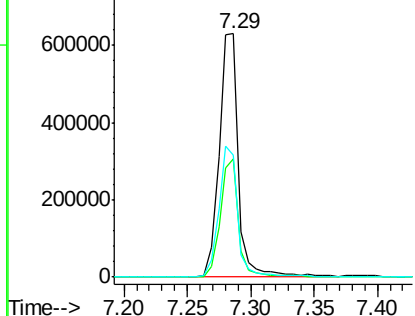
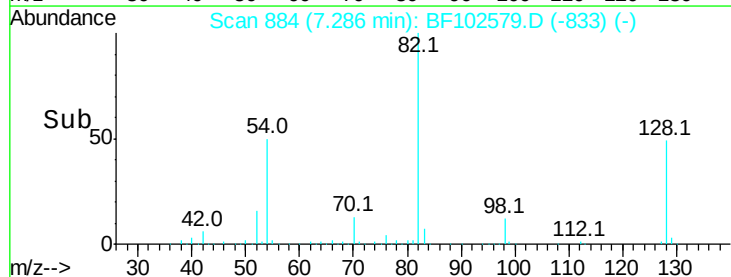


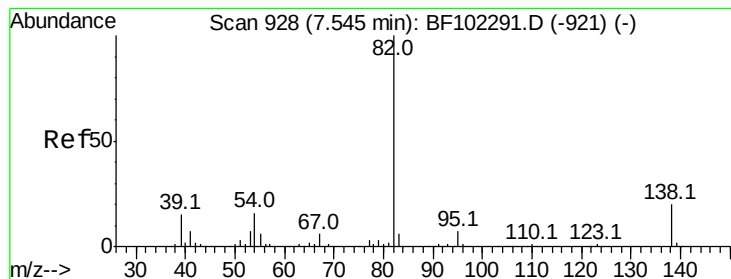
#23
Nitrobenzene-d5
Concen: 70.876 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion:	82	Resp:	676186
Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.1	54.1
54	50.3	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: 39.762 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

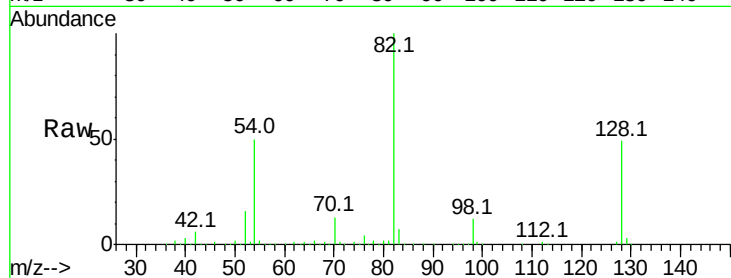
Tot Ion: 82 Resp: 676277

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#

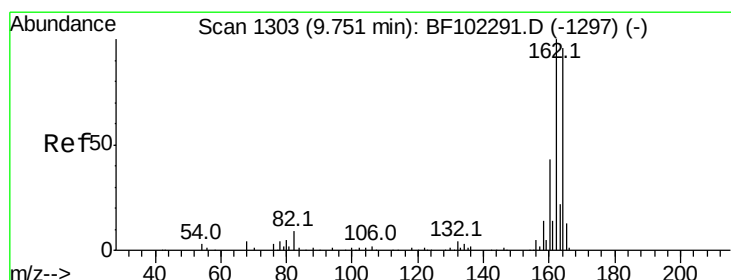
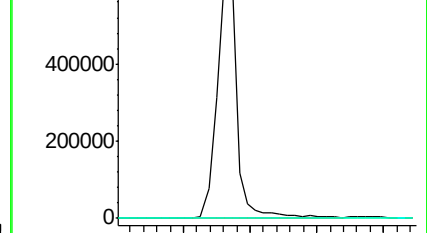
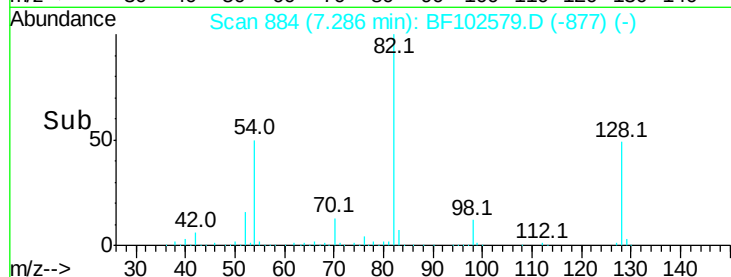


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

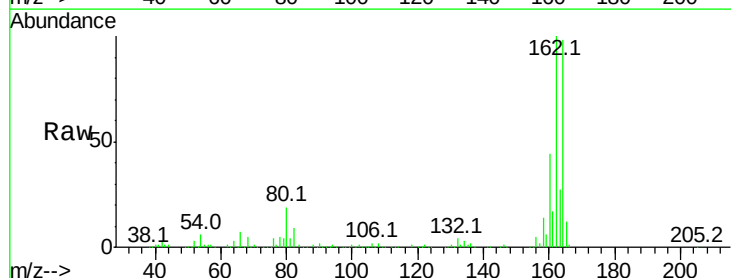
Tgt Ion:164 Resp: 201315

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

160 44.4 38.3 57.5

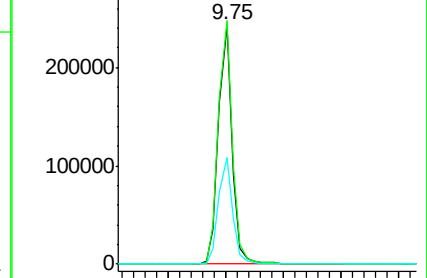
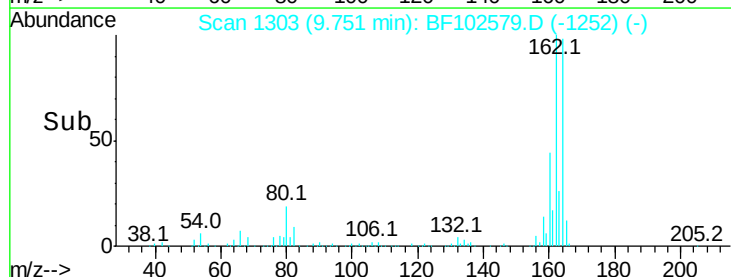


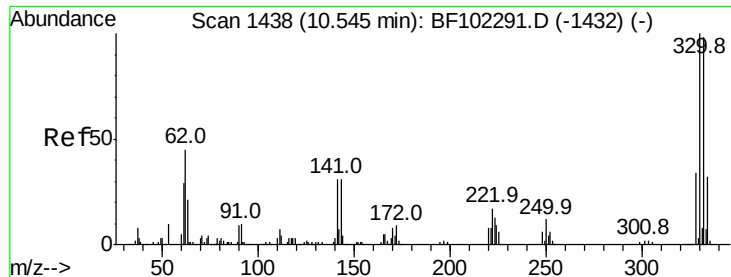
Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

Time-->

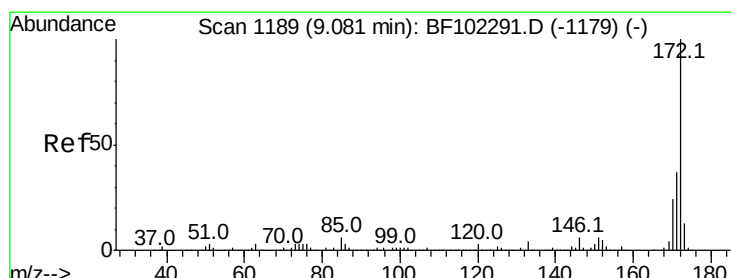
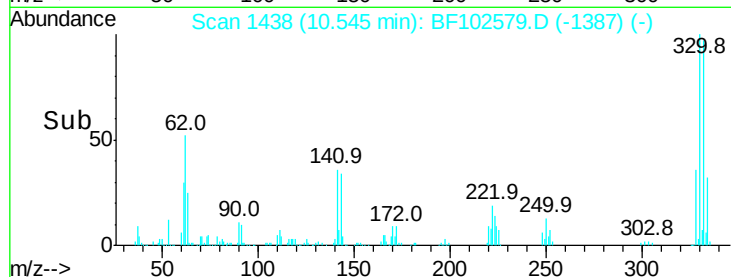
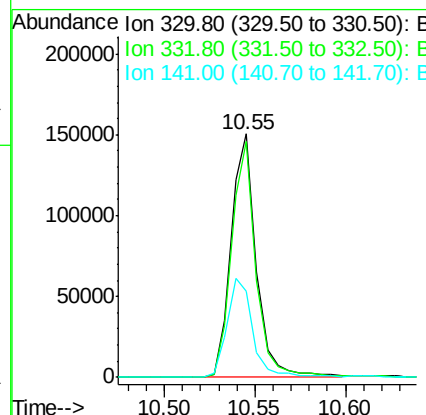
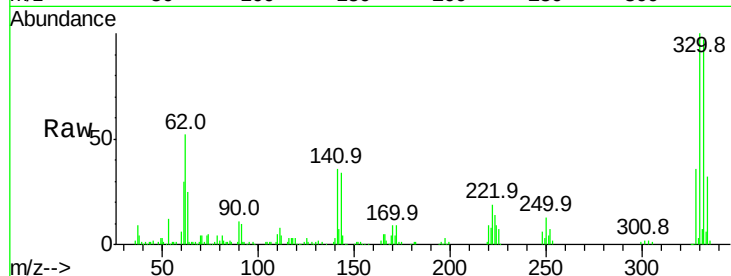




#41
 2,4,6-Tribromophenol
 Concen: 72.924 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102579.D
 Acq: 29 Jan 2018 1:06

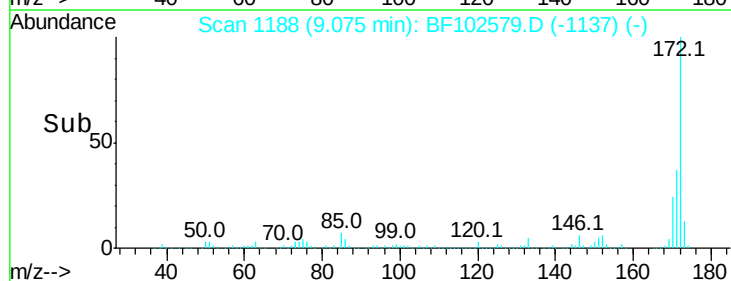
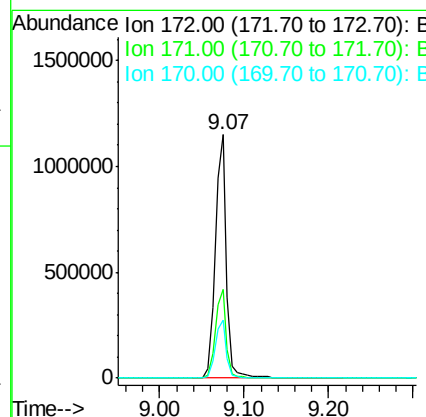
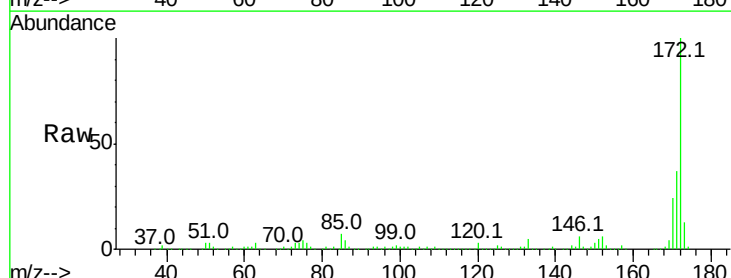
Instrument :
 BNA_F
 ClientSampleId :

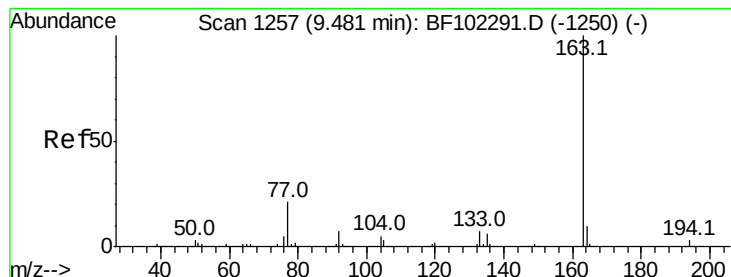
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	41.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 78.378 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102579.D
 Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.0	19.6	29.4





#49

Dimethylphthalate

Concen: 8.754 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

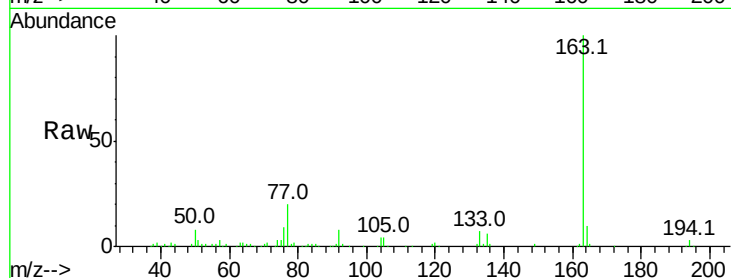
Tot Ion:163 Resp: 145668

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

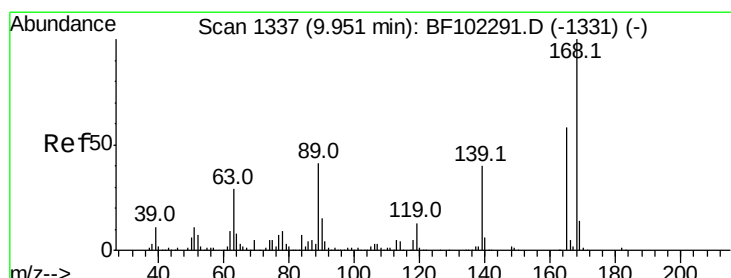
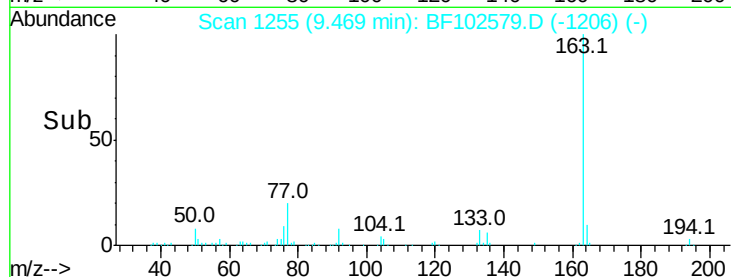
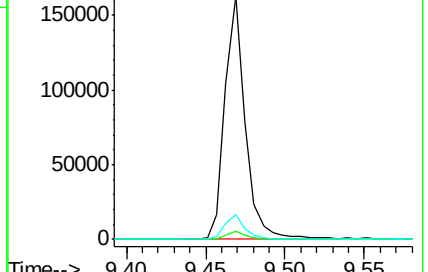
164 10.2 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.567 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Tgt Ion:165 Resp: 24559

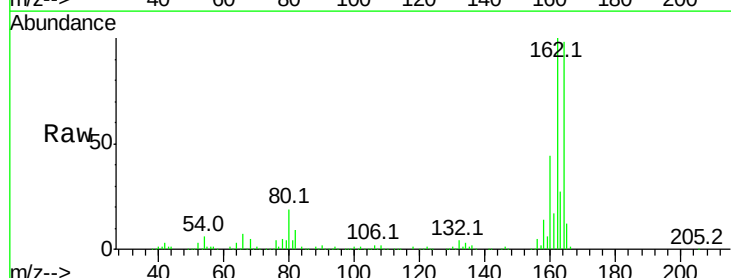
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

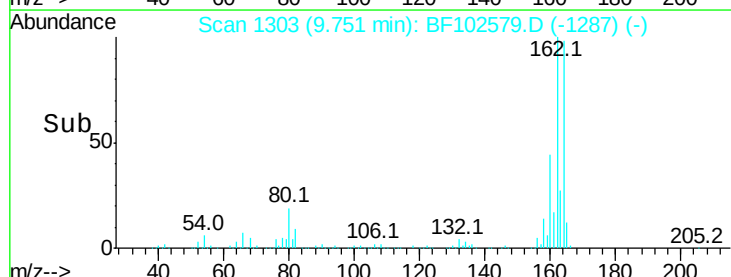
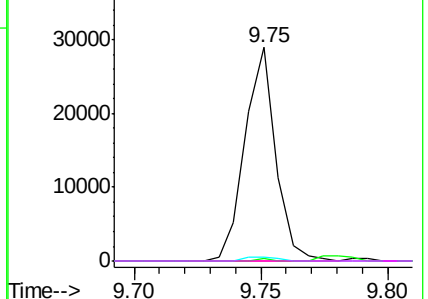


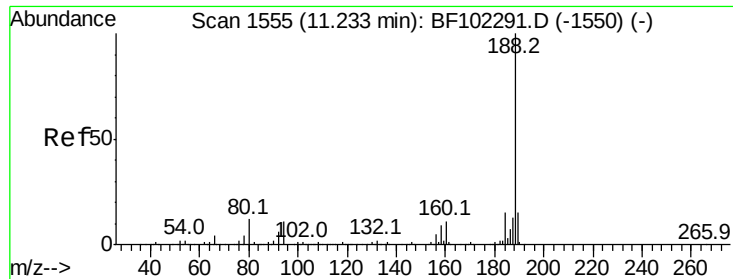
Abundance Ion 165.00 (164.70 to 165.70): E

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

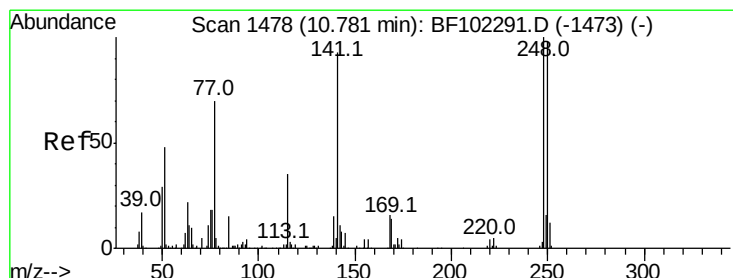
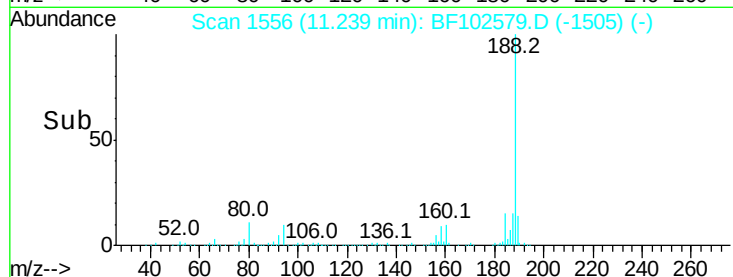
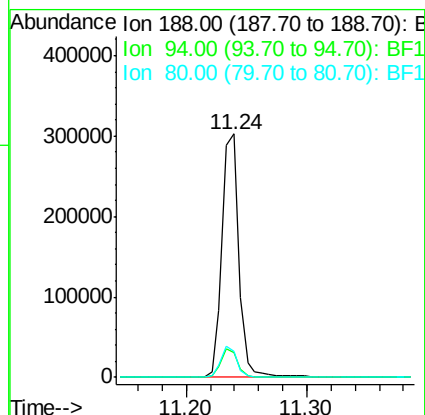
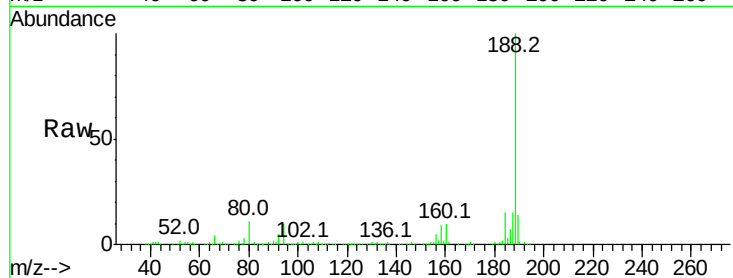




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

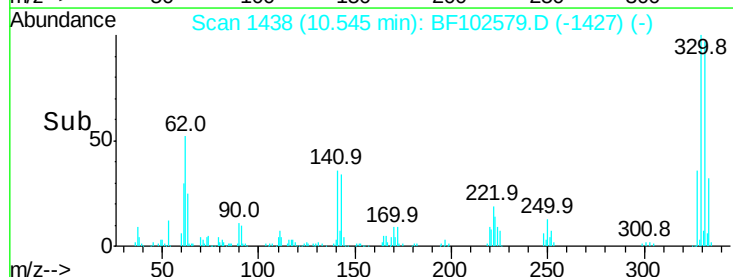
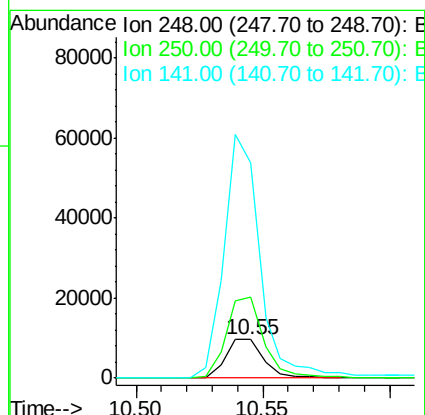
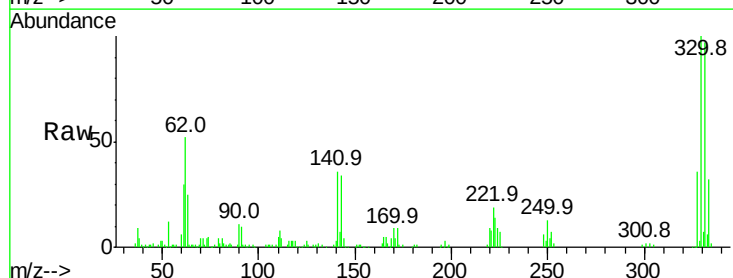
Instrument :
BNA_F
ClientSampleId :

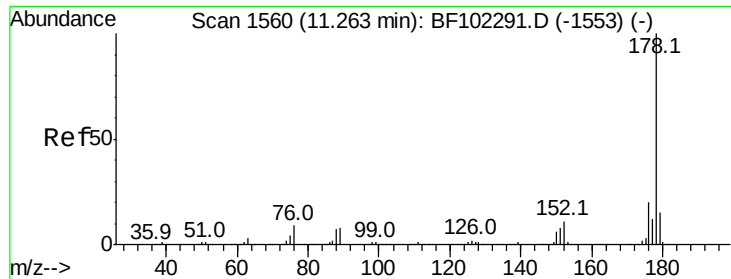
Tot Ion:188 Resp: 292846
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.8 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.206 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion:248 Resp: 10106
Ion Ratio Lower Upper
248 100
250 210.9 76.9 115.3#
141 560.4 74.4 111.6#





#70

Phenanthrene

Concen: 7.078 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

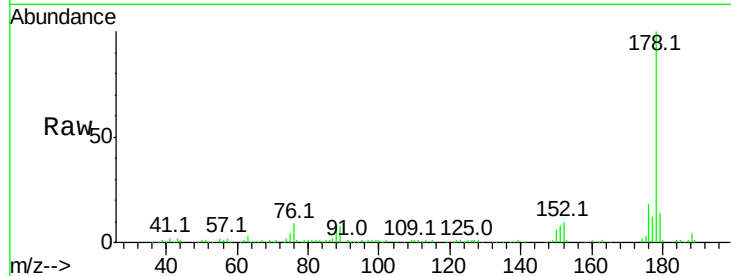
Tot Ion:178 Resp: 120784

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

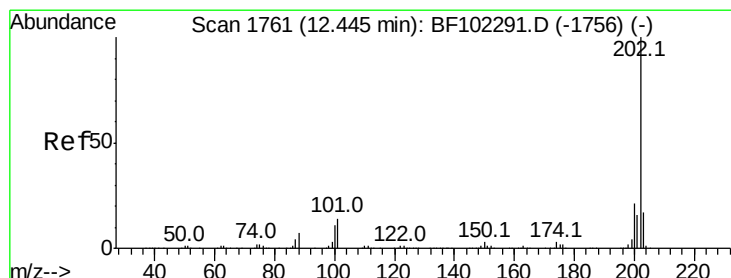
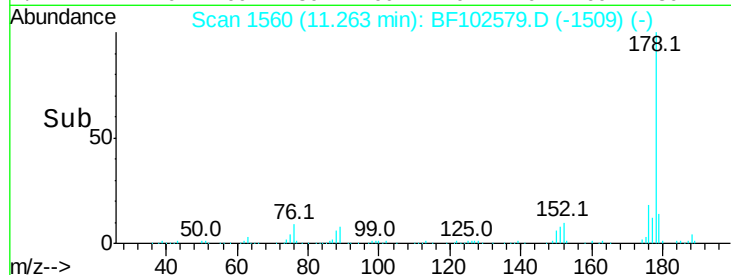
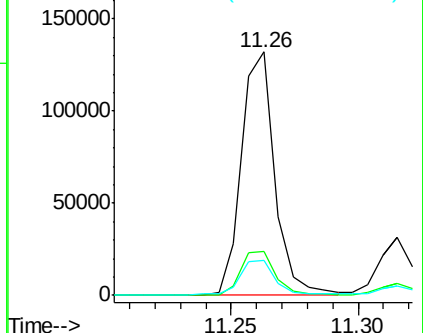
179 14.3 13.0 19.6



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



#74

Fluoranthene

Concen: 13.656 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

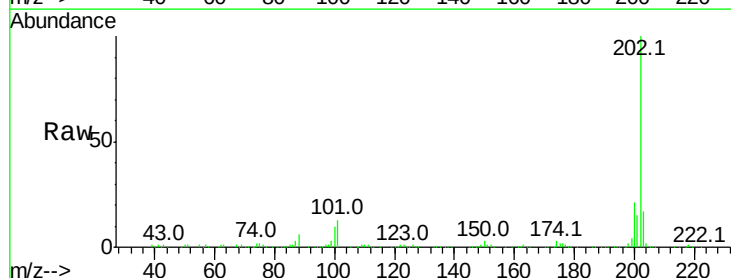
Tgt Ion:202 Resp: 237642

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

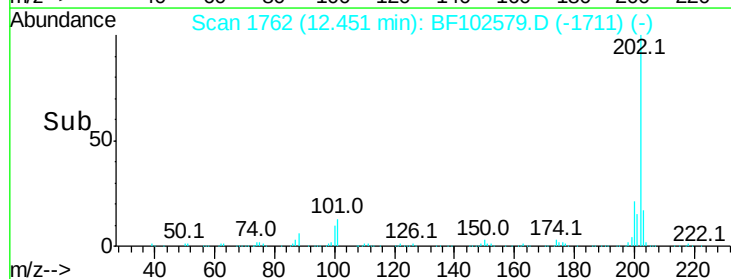
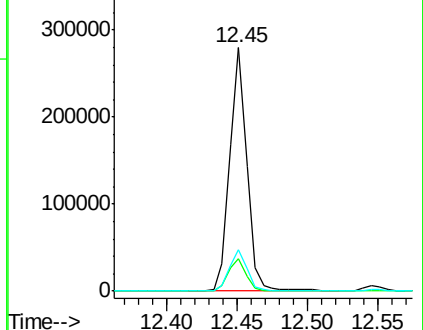
203 16.8 0.0 38.1

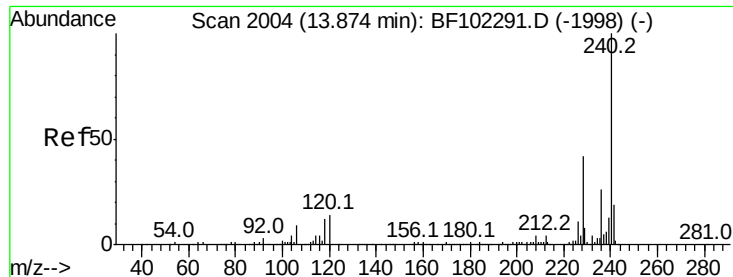


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

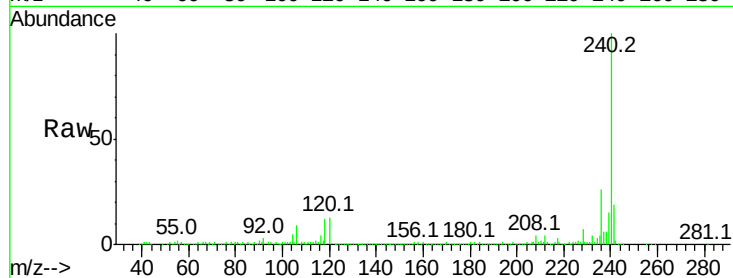
Tot Ion:240 Resp: 279569

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

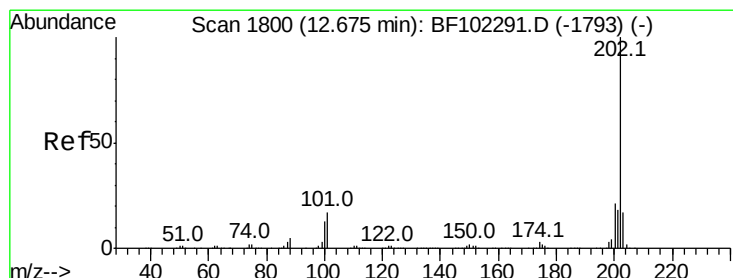
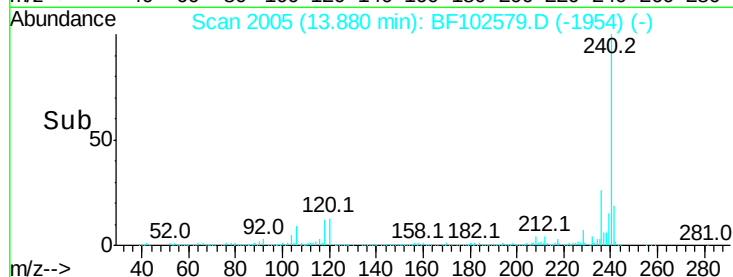
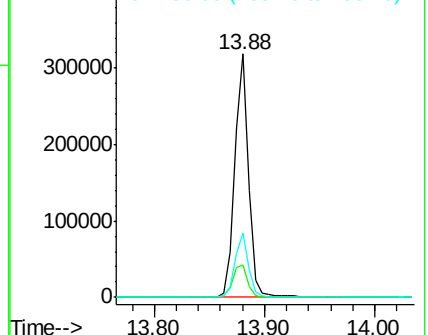
236 26.4 20.7 31.1



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

Pyrene

Concen: 9.974 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

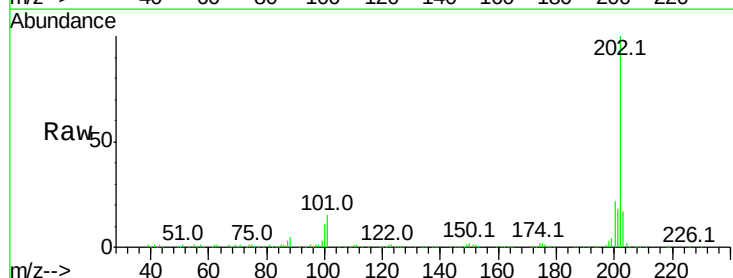
Tgt Ion:202 Resp: 215590

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

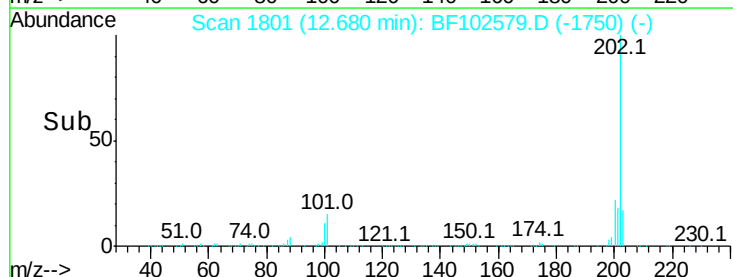
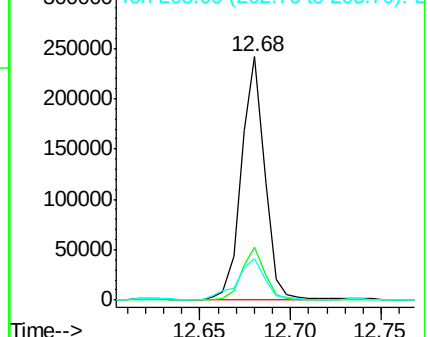
203 16.9 14.3 21.5

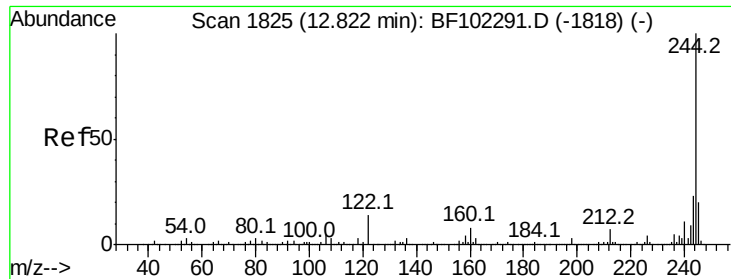


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

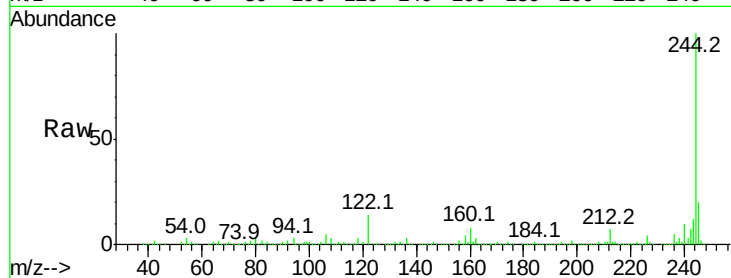




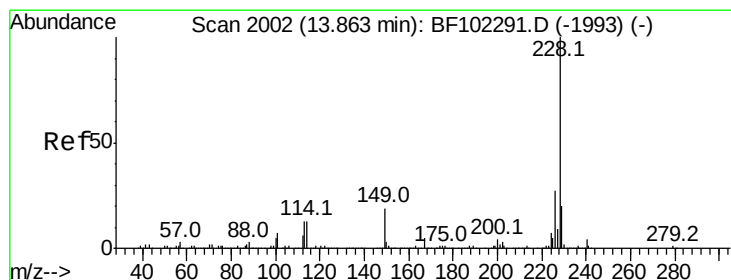
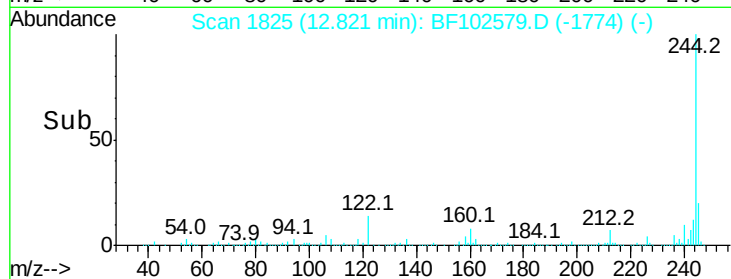
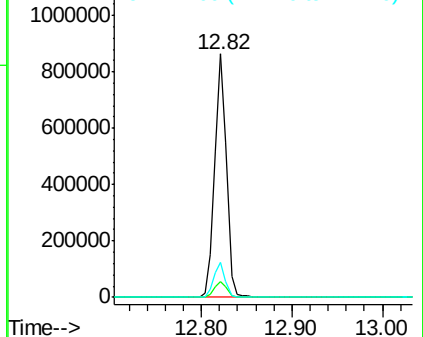
#78
 Terphenyl-d14
 Concen: 63.015 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102579.D
 Acq: 29 Jan 2018 1:06

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 781463
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 14.2 11.0 16.4

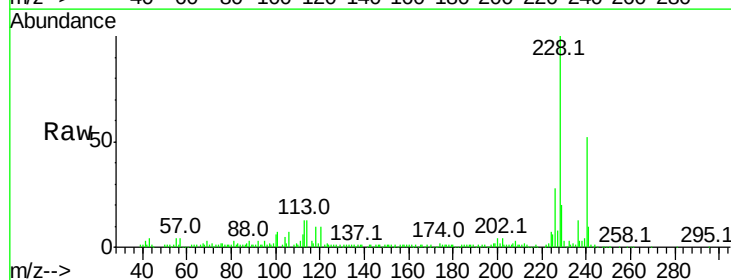


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

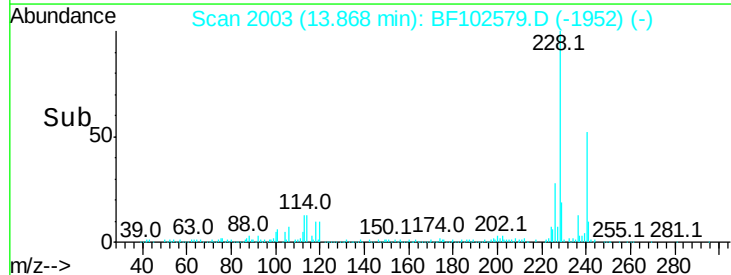
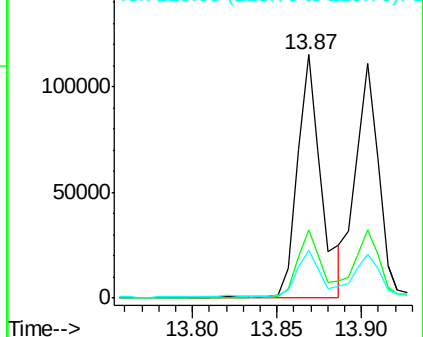


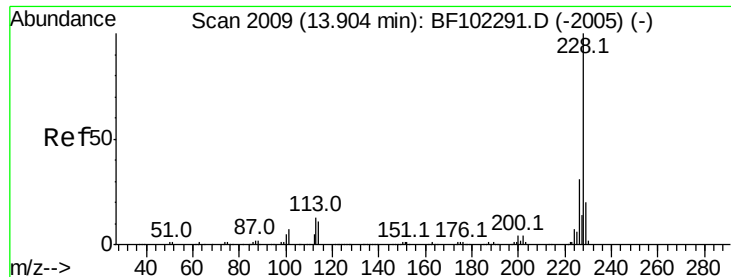
#80
 Benzo(a)anthracene
 Concen: 6.620 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BF102579.D
 Acq: 29 Jan 2018 1:06

Tgt Ion:228 Resp: 113949
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 33.8
 229 19.5 15.8 23.6



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





#82

Chrysene

Concen: 6.127 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

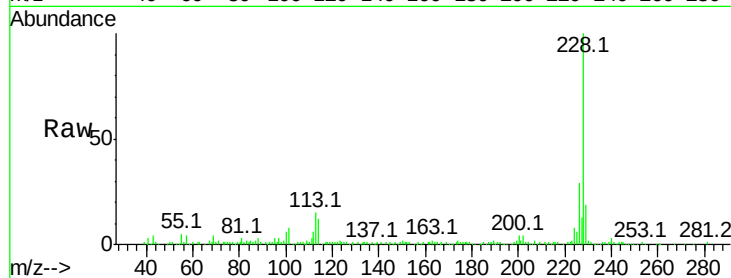
Tot Ion:228 Resp: 107084

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

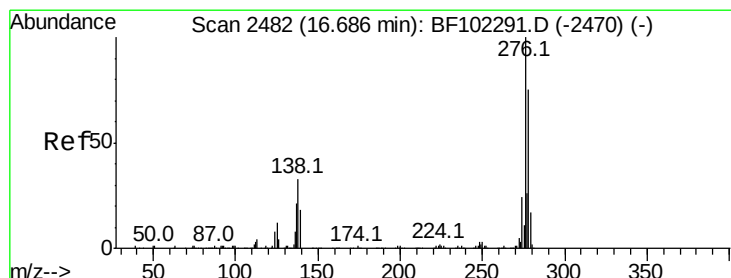
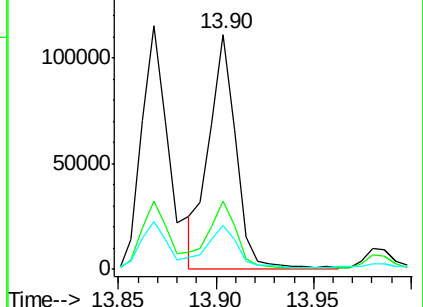
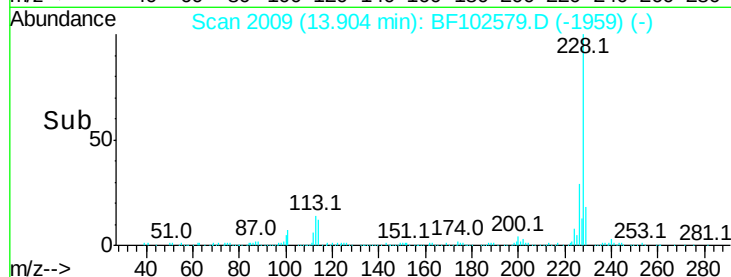
229 18.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.286 ng

RT: 16.71 min Scan# 2486

Delta R.T. -0.00 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

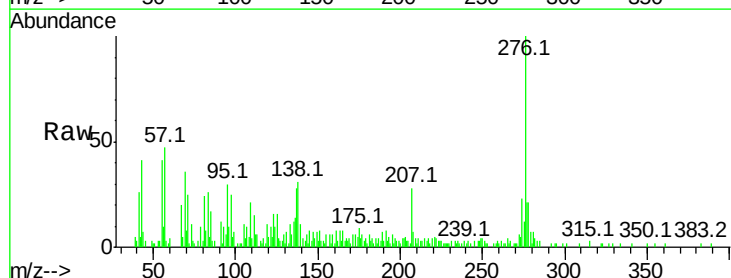
Tgt Ion:276 Resp: 32994

Ion Ratio Lower Upper

276 100

138 34.0 25.0 37.6

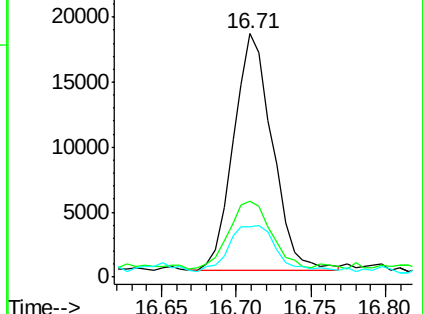
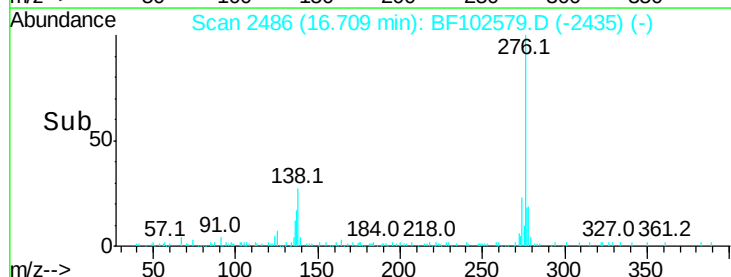
277 23.4 20.1 30.1

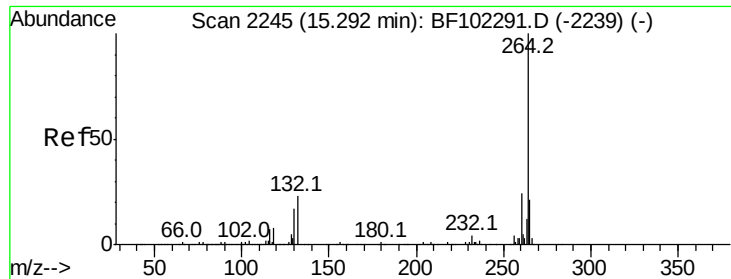


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



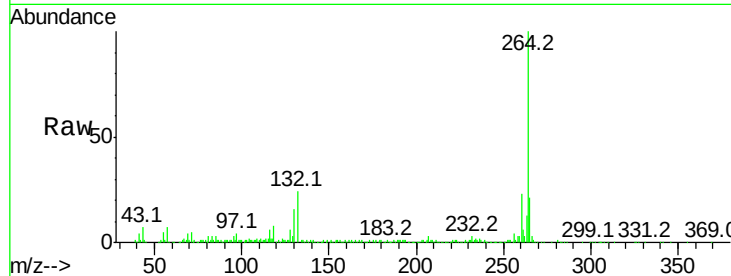


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

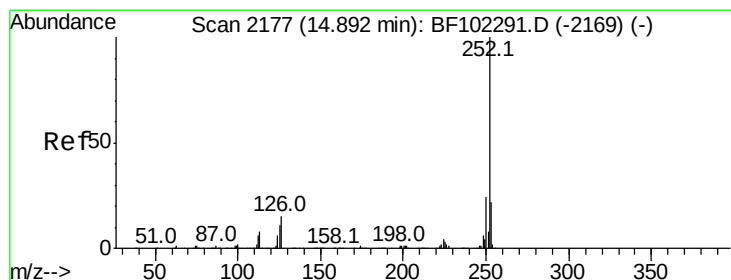
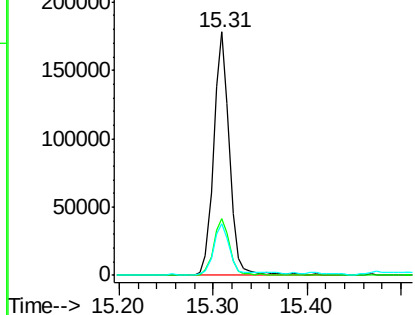
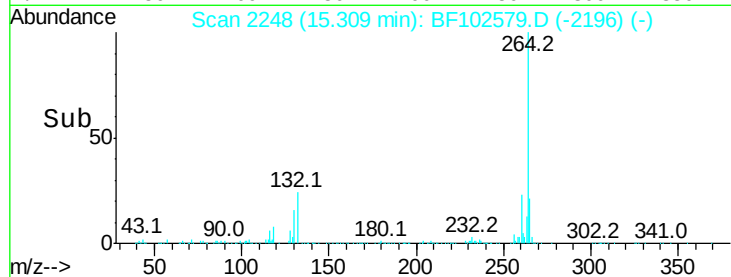
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 212116

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3



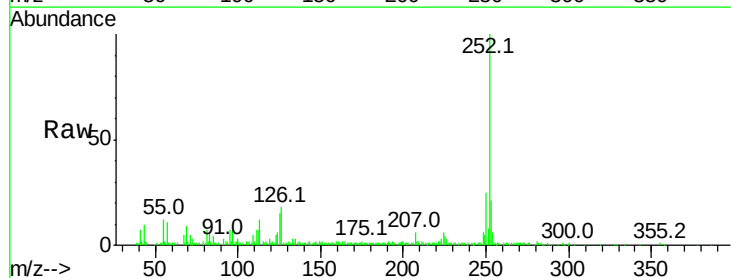
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



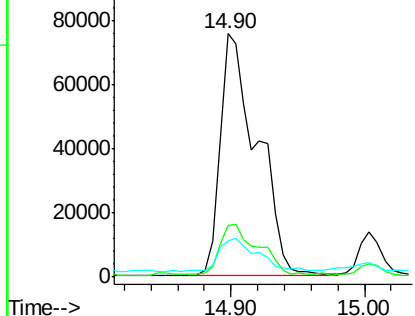
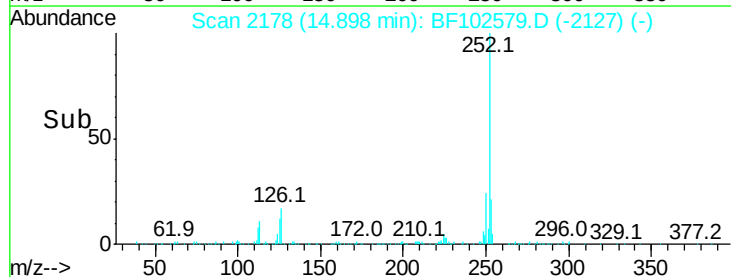
#87
Benzo(b)fluoranthene
Concen: 10.575 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

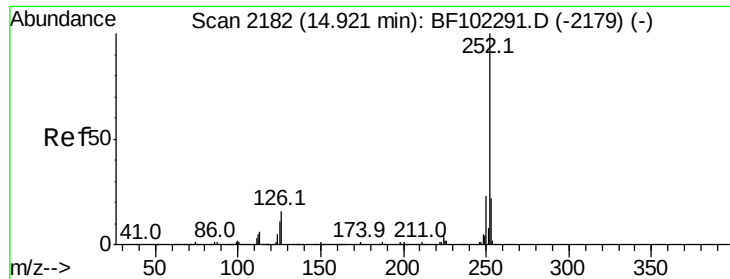
Tgt Ion:252 Resp: 145384

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	15.0	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

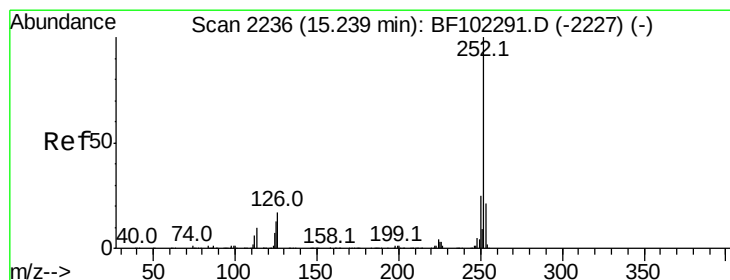
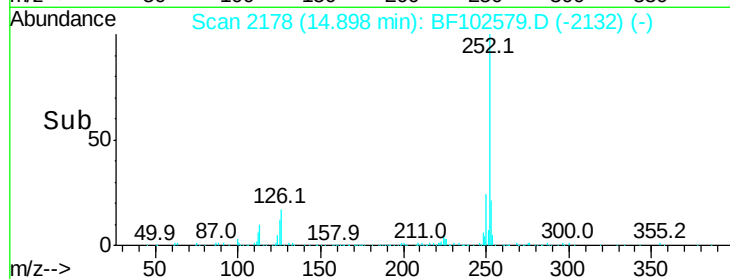
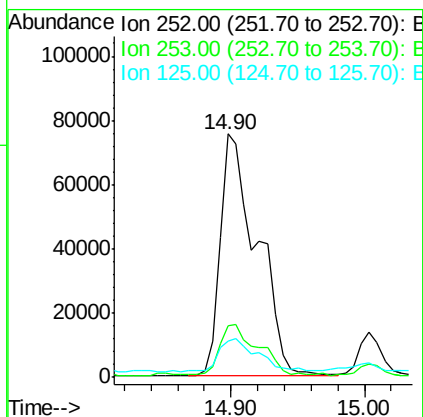
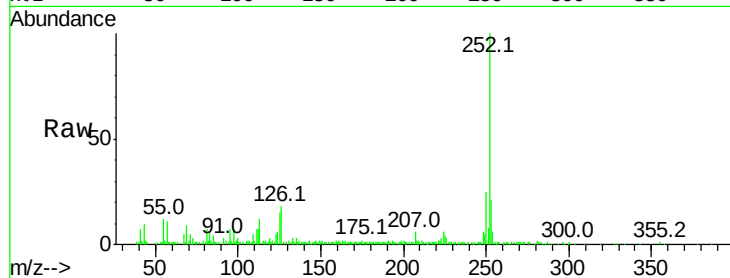




#88
Benzo(k)fluoranthene
Concen: 11.193 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

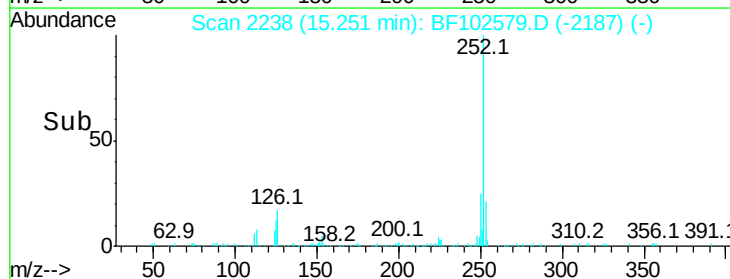
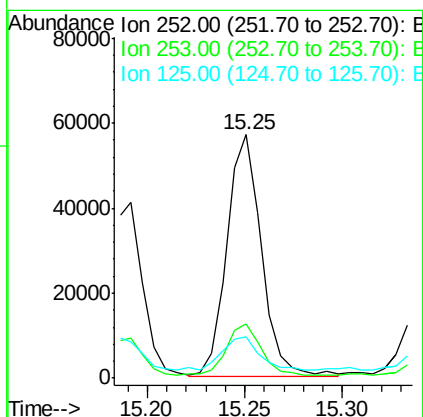
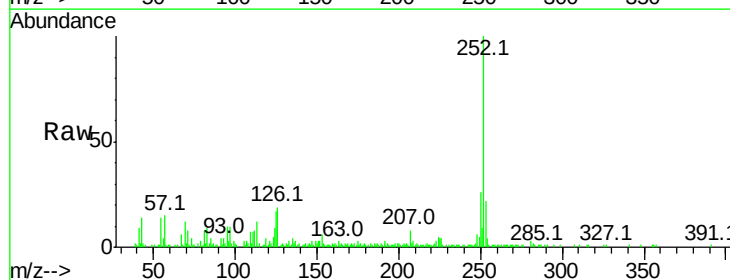
Instrument :
BNA_F
ClientSampleId :

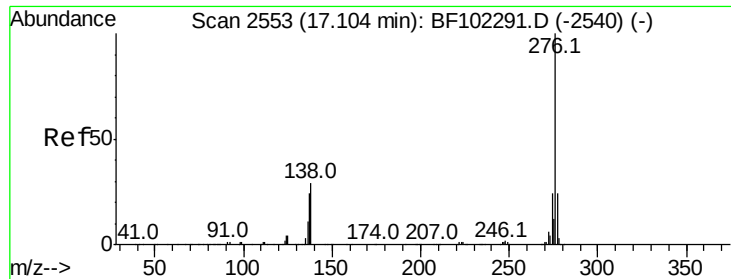
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	15.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.600 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF102579.D
Acq: 29 Jan 2018 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.7	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.340 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102579.D

Acq: 29 Jan 2018 1:06

Instrument :

BNA_F

ClientSampleId :

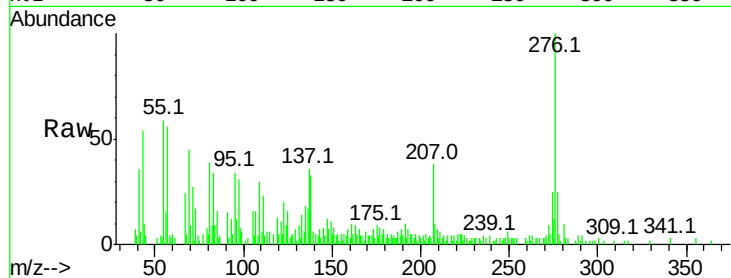
Tot Ion:276 Resp: 33127

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 32.6 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

