

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102575.D
 Acq On : 28 Jan 2018 23:18
 Operator : SJ/JU
 Sample : J1290-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 03:21:01 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	191594	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	750594	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	287575	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	364137	20.00	ng	0.00
75) Chrysene-d12	13.88	240	296340	20.00	ng	0.00
86) Perylene-d12	15.31	264	189442	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1149519	90.97	ng	0.01
7) Phenol-d6	6.37	99	1389584	91.22	ng	0.00
23) Nitrobenzene-d5	7.29	82	841129	64.40	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	181448	63.68	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1037415	53.04	ng	0.00
78) Terphenyl-d14	12.82	244	627667	47.75	ng	0.00

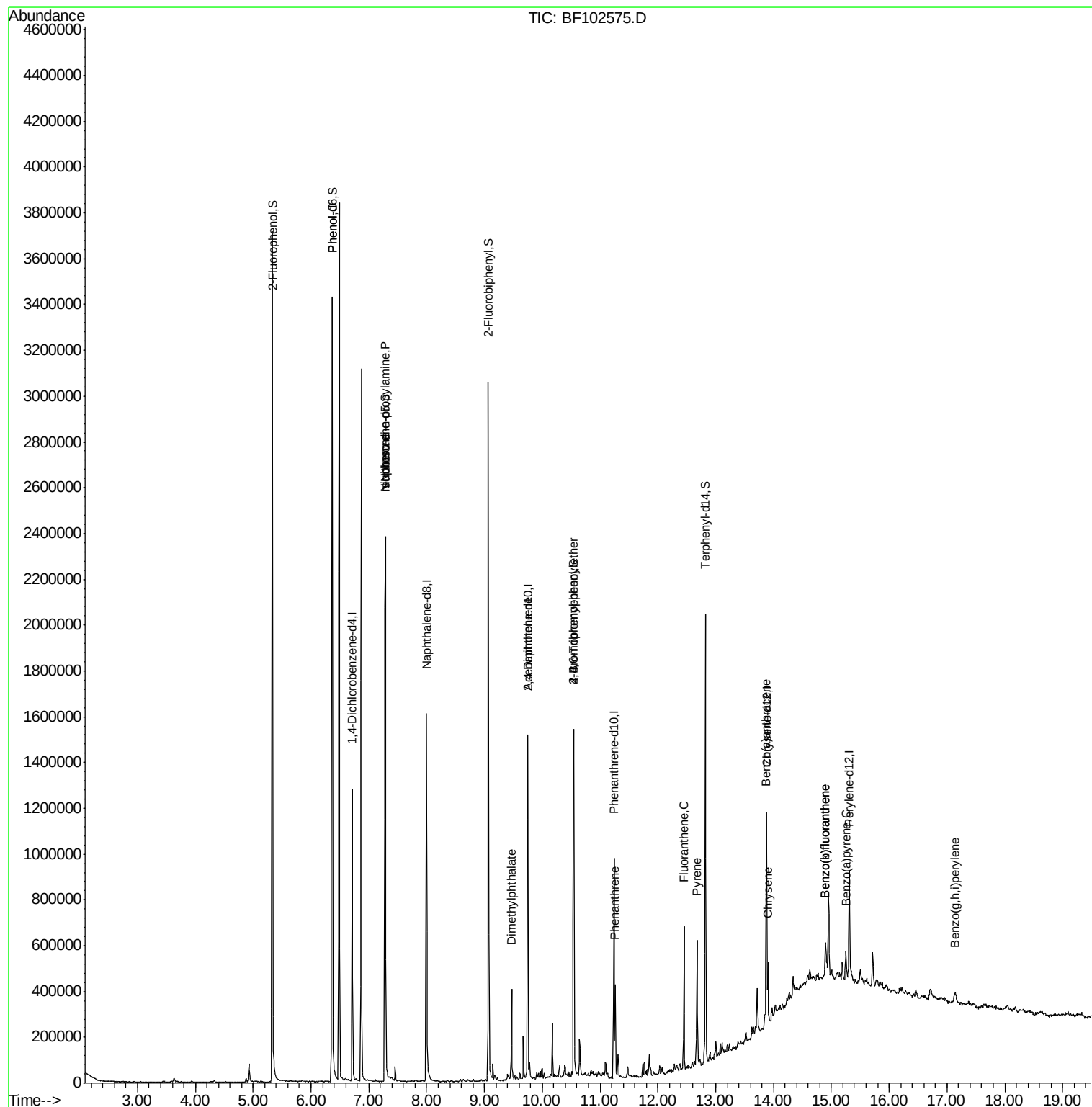
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	45942	2.762	ng	84
19) n-Nitroso-di-n-propylamine	7.29	70	111660	11.977	ng	# 77
25) Isophorone	7.29	82	841118	36.123	ng	# 64
49) Dimethylphthalate	9.47	163	153847	6.472	ng	99
56) 2,4-Dinitrotoluene	9.75	165	36911	5.857	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	12141	3.097	ng	# 1
70) Phenanthrene	11.26	178	154011	7.258	ng	97
74) Fluoranthene	12.45	202	239465	11.067	ng	96
77) Pyrene	12.68	202	216901	9.467	ng	97
80) Benzo(a)anthracene	13.87	228	110804	6.073	ng	99
82) Chrysene	13.90	228	93469	5.045	ng	97
87) Benzo(b)fluoranthene	14.90	252	110738	9.019	ng	# 88
88) Benzo(k)fluoranthene	14.90	252	110738	9.546	ng	# 91
89) Benzo(a)pyrene	15.25	252	53974	4.874	ng	# 90
91) Benzo(a,h,i)perylene	17.14	276	26509	2.993	ng	# 94

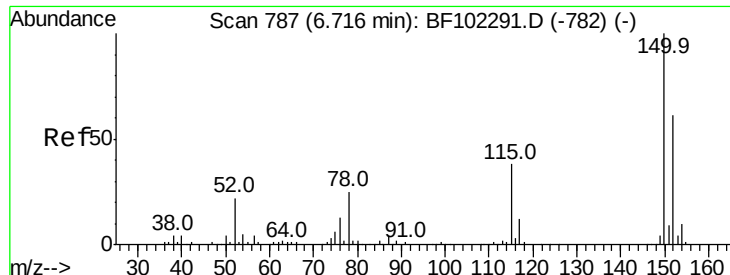
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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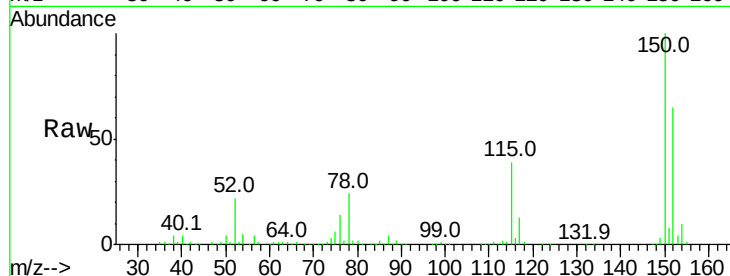


#1

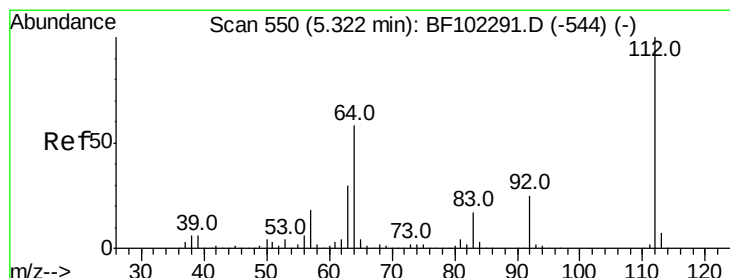
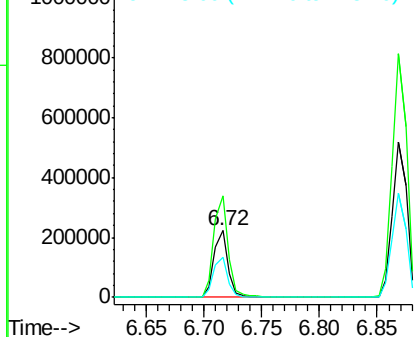
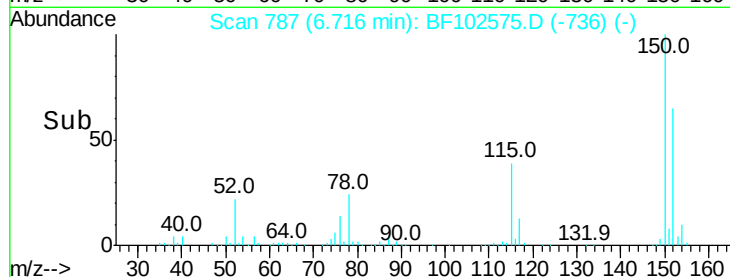
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 191594
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 60.5 50.1 75.1



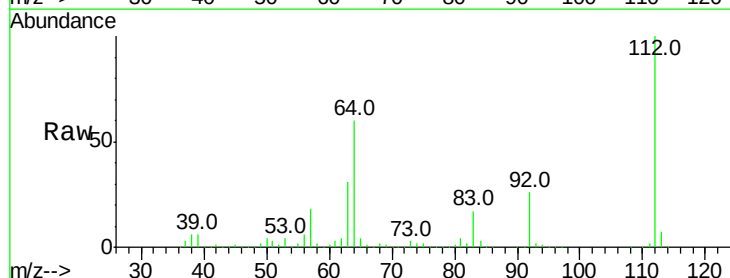
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



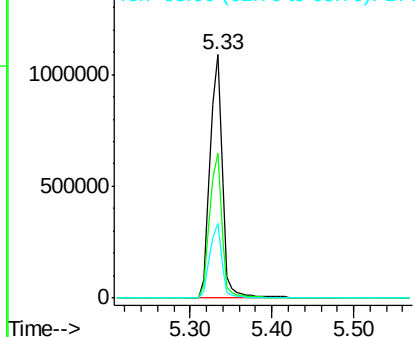
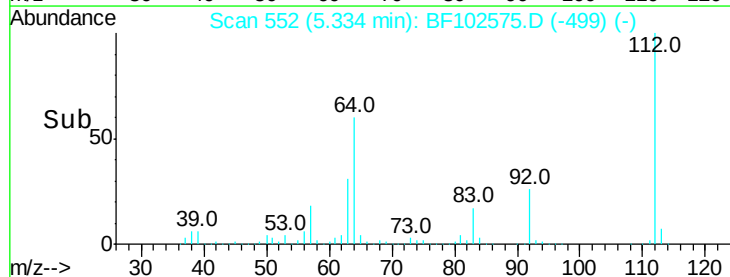
#5

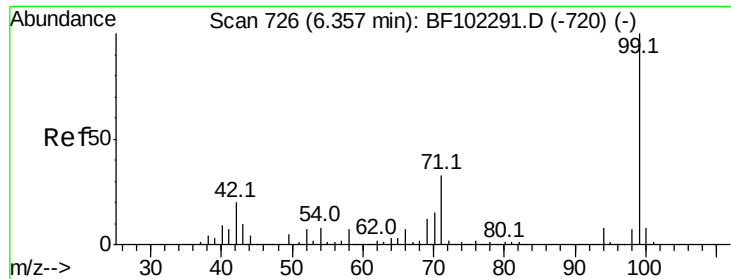
2-Fluorophenol
Concen: 90.972 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion:112 Resp: 1149519
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.6 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: 91.217 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

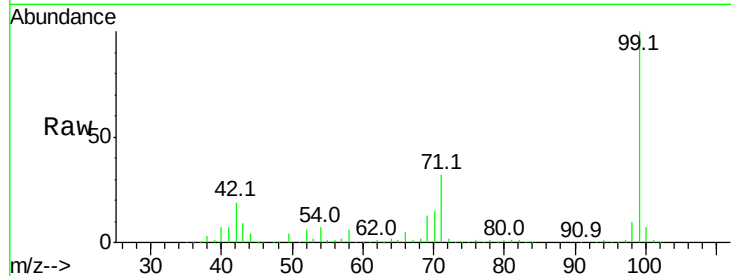
Tot Ion: 99 Resp: 1389584

Ion Ratio Lower Upper

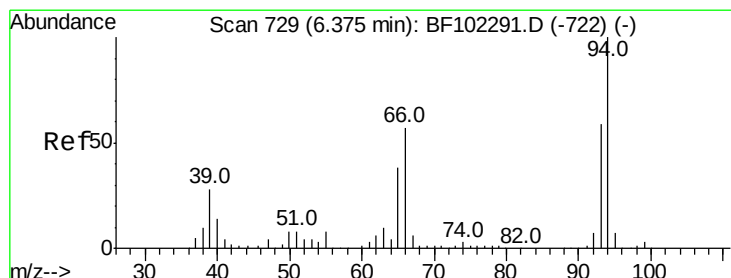
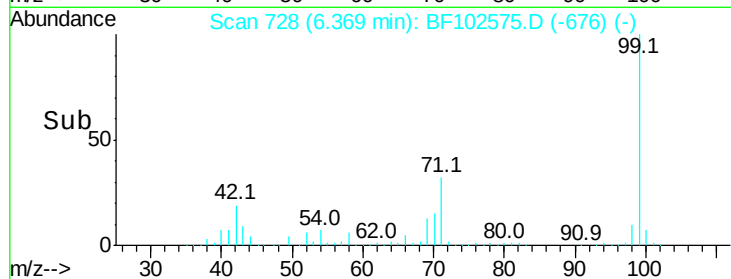
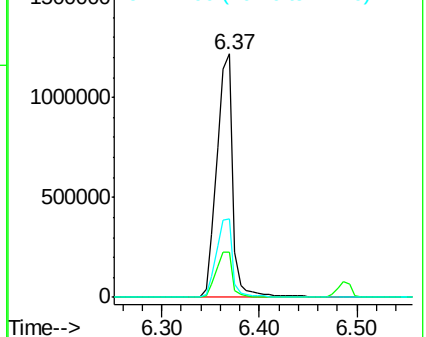
99 100

42 18.6 14.5 21.7

71 32.1 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



#10

Phenol

Concen: 2.762 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

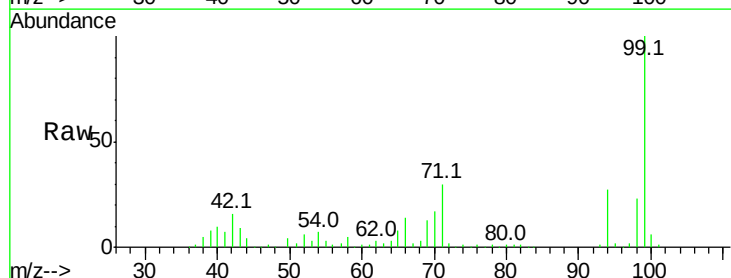
Tgt Ion: 94 Resp: 45942

Ion Ratio Lower Upper

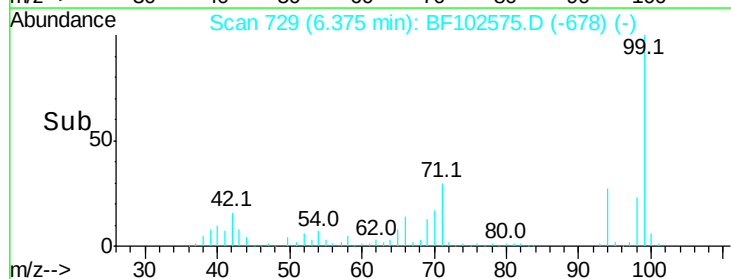
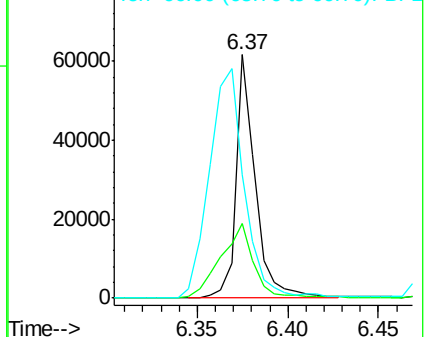
94 100

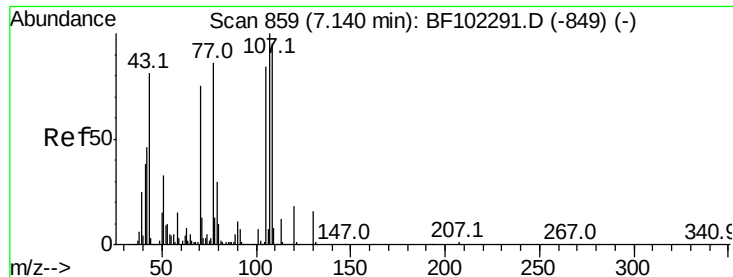
65 30.8 7.9 47.9

66 50.7 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

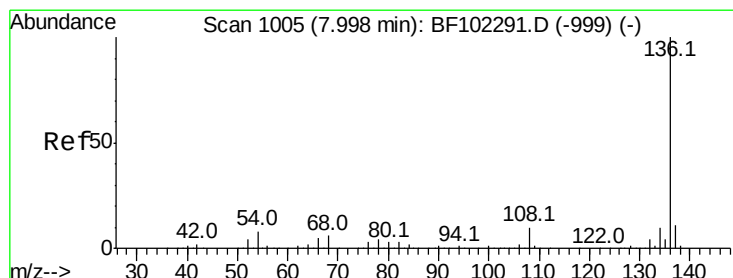
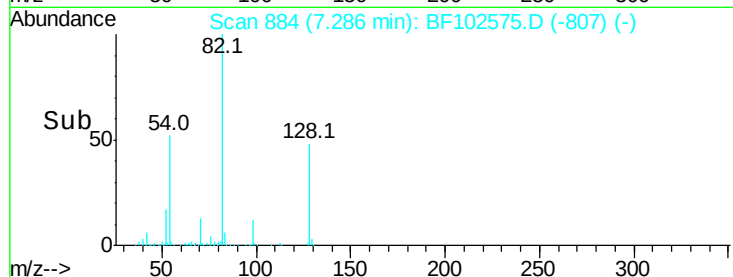
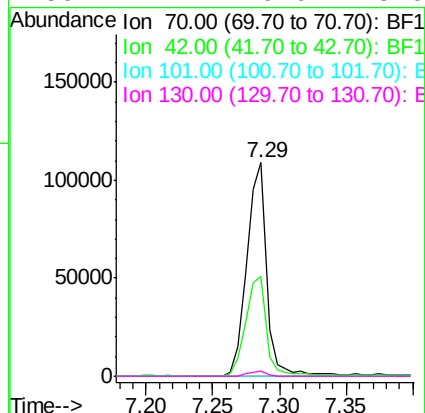
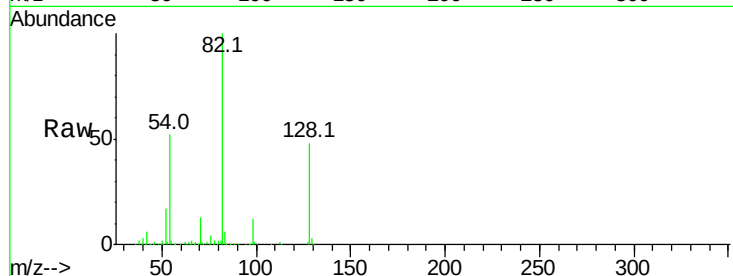




#19
n-Nitroso-di-n-propylamine
Concen: 11.977 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

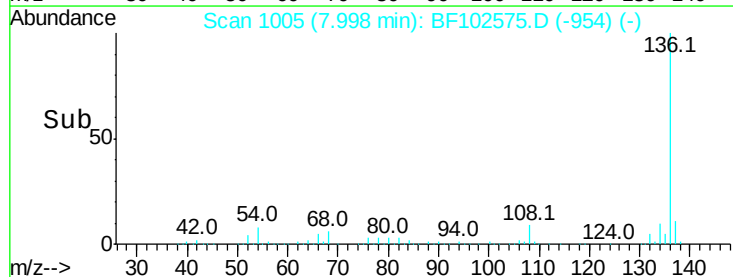
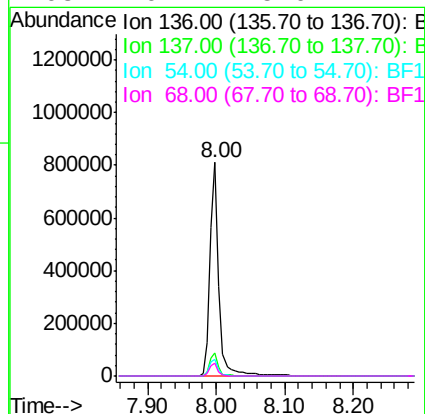
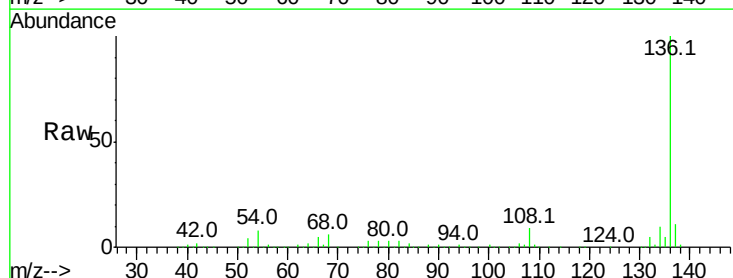
Instrument :
BNA_F
ClientSampleId :

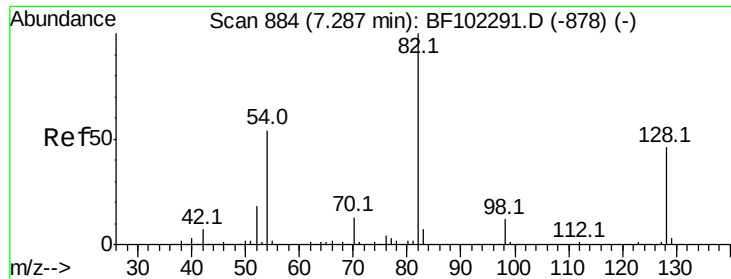
Tot Ion: 70 Resp: 111660
Ion Ratio Lower Upper
70 100
42 46.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion:136 Resp: 750594
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.1 6.6 9.8
68 6.1 5.0 7.4

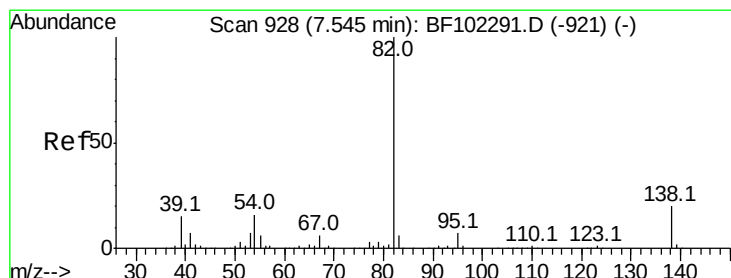
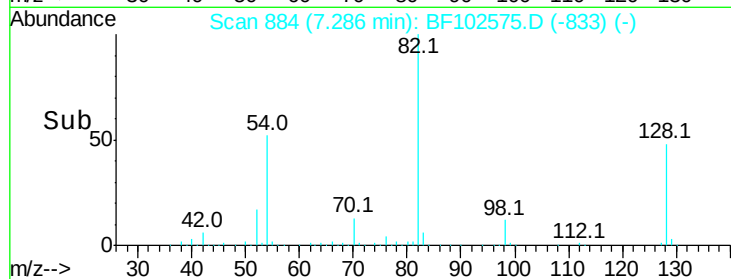
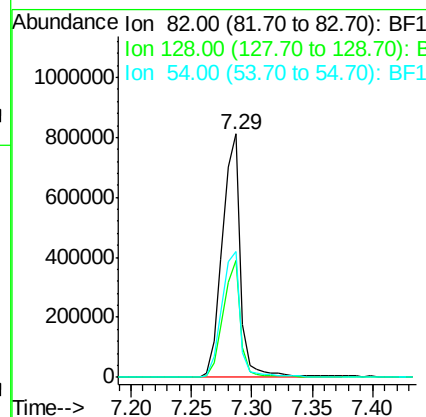
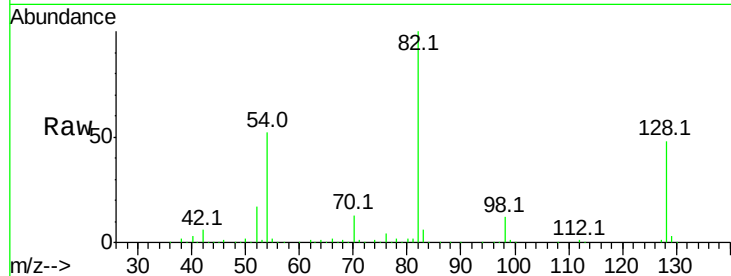




#23
 Nitrobenzene-d5
 Concen: 64.398 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: BF102575.D
 Acq: 28 Jan 2018 23:18

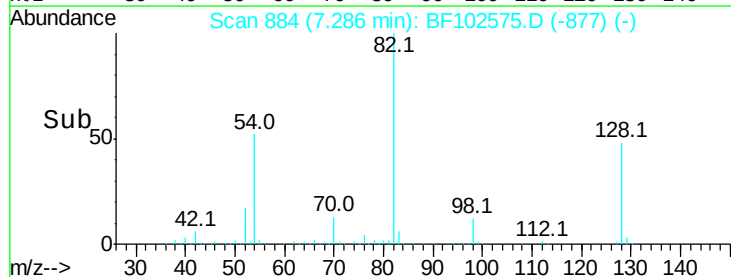
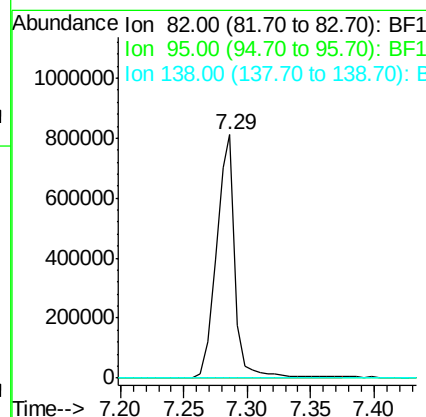
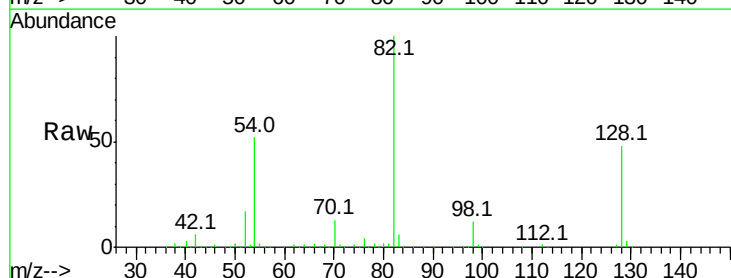
Instrument :
 BNA_F
 ClientSampled :

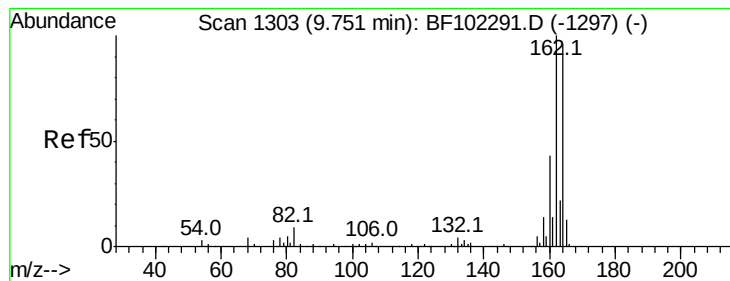
Tot Ion: 82 Resp: 841129
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.1 54.1
 54 51.7 41.4 62.2



#25
 Isophorone
 Concen: 36.123 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF102575.D
 Acq: 28 Jan 2018 23:18

Tgt Ion: 82 Resp: 841118
 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: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

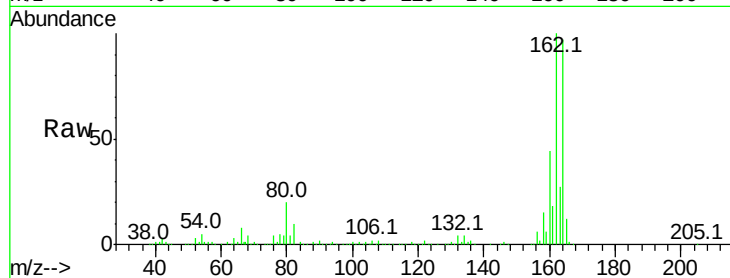
Tot Ion:164 Resp: 287575

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

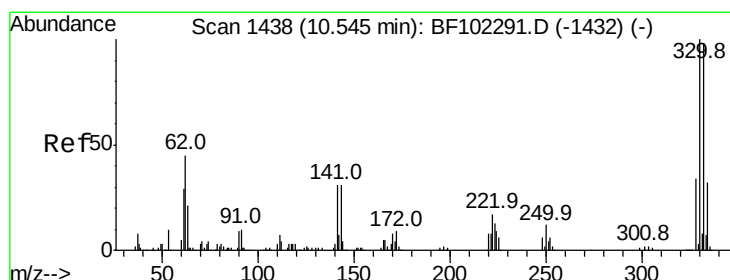
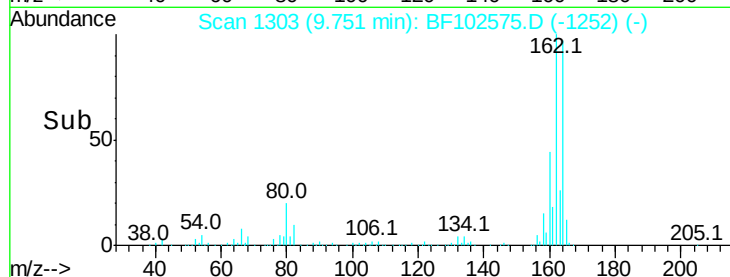
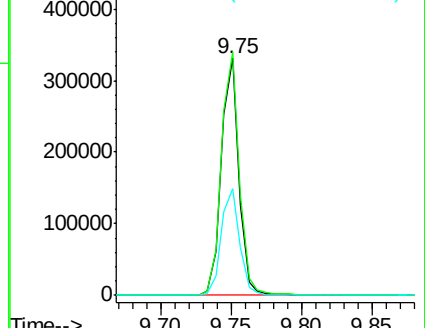
160 44.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 63.678 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

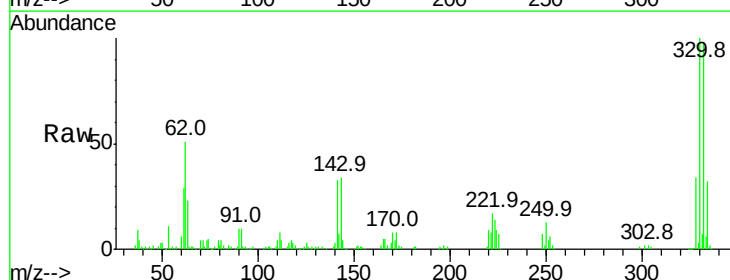
Tgt Ion:330 Resp: 181448

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

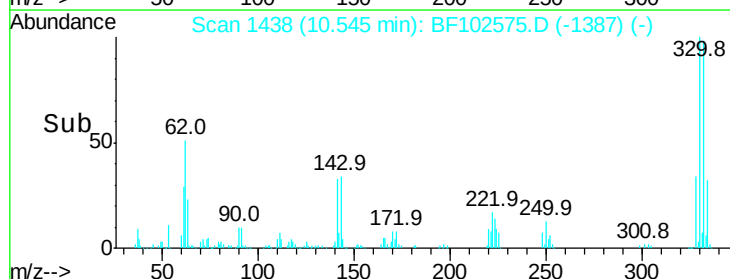
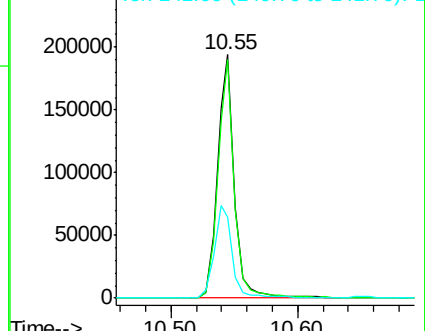
141 41.2 29.9 44.9

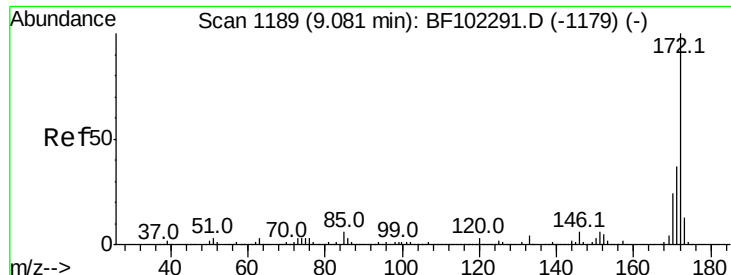


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

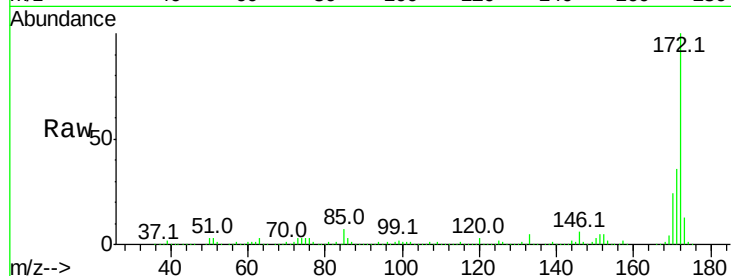




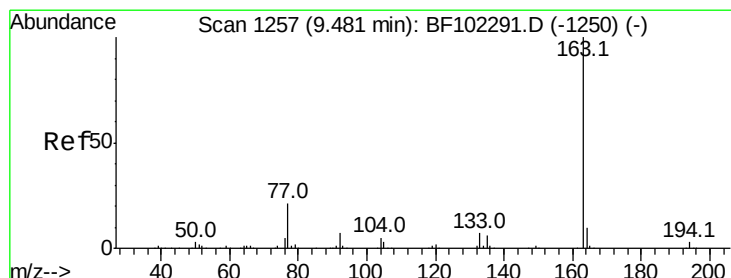
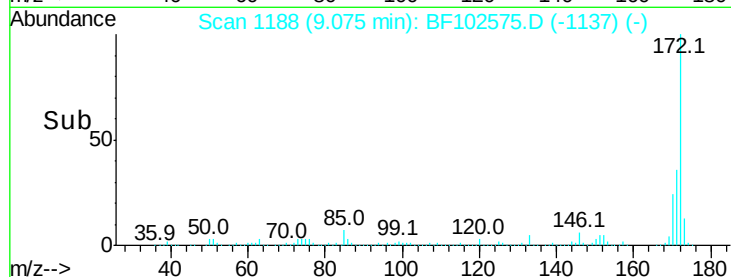
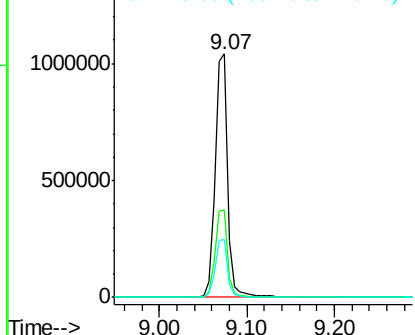
#44
2-Fluorobiphenyl
Concen: 53.042 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1037415
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.7 19.6 29.4

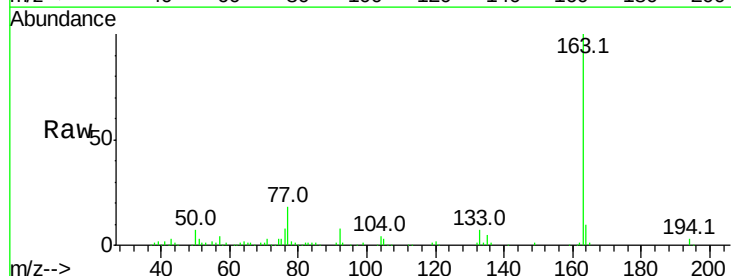


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

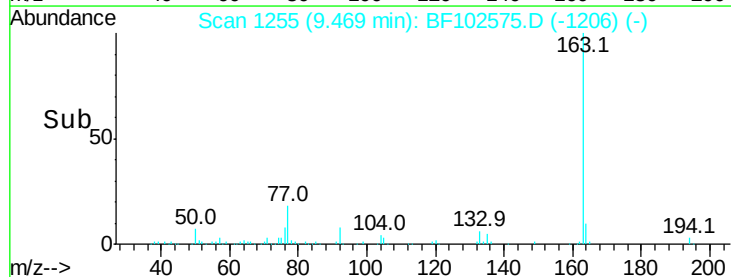
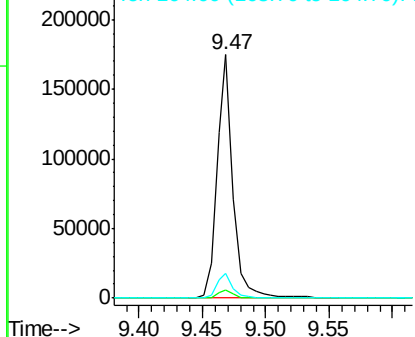


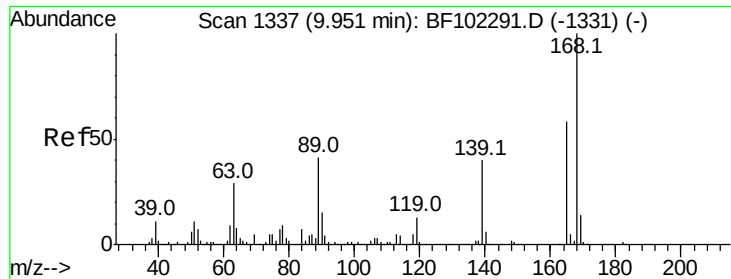
#49
Dimethylphthalate
Concen: 6.472 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion:163 Resp: 153847
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.0 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

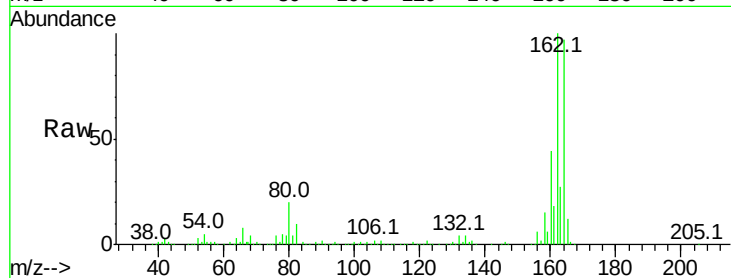




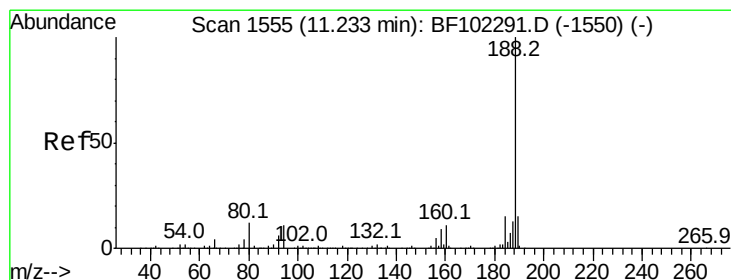
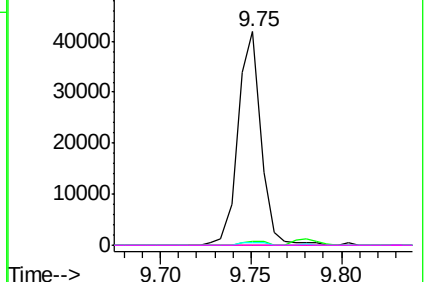
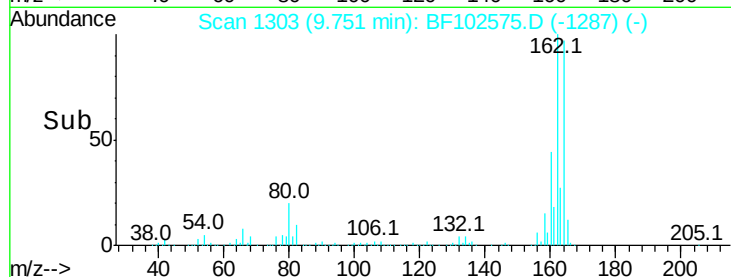
#56
 2,4-Dinitrotoluene
 Concen: 5.857 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102575.D
 Acq: 28 Jan 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 36911
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

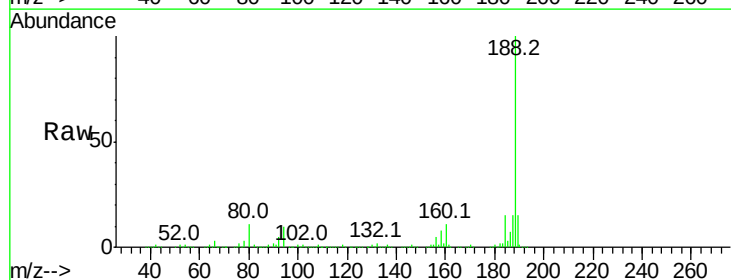


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

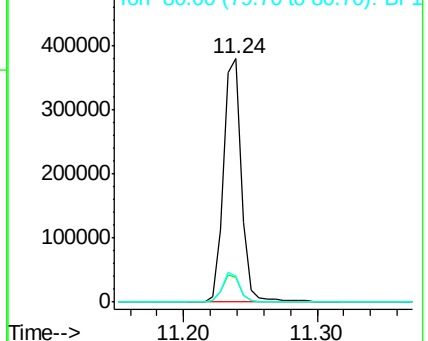
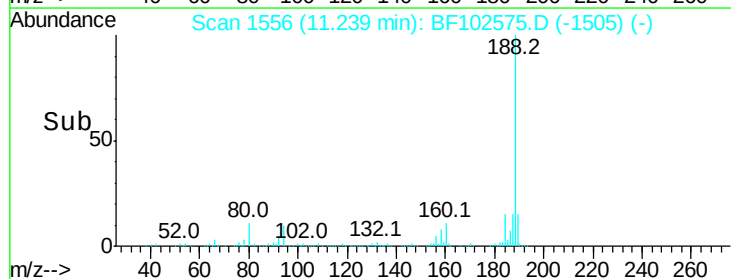


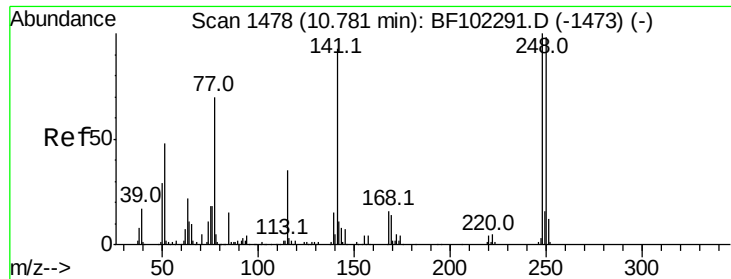
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: BF102575.D
 Acq: 28 Jan 2018 23:18

Tgt Ion:188 Resp: 364137
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.8 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

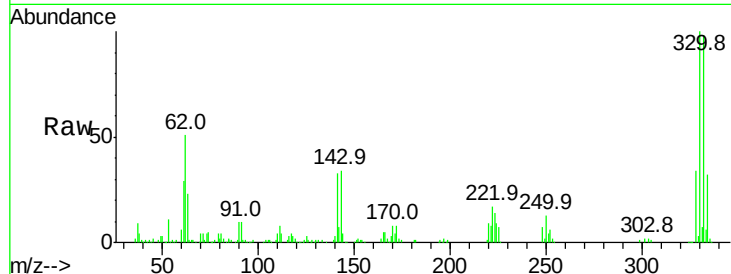




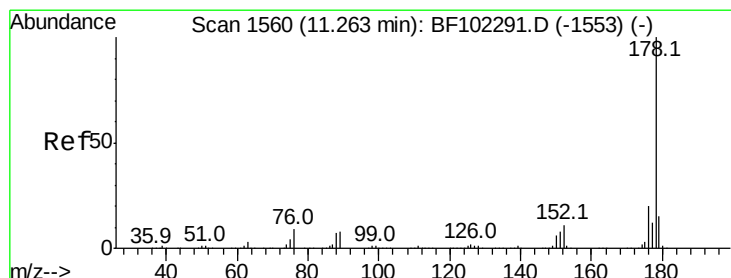
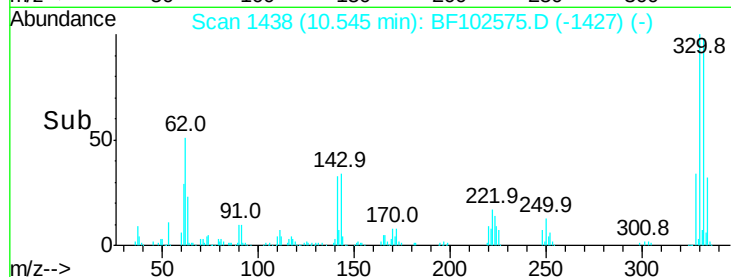
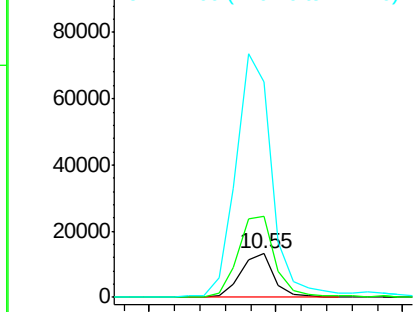
#66
4-Bromophenyl-phenylether
Concen: 3.097 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12141
Ion Ratio Lower Upper
248 100
250 188.3 76.9 115.3#
141 495.7 74.4 111.6#

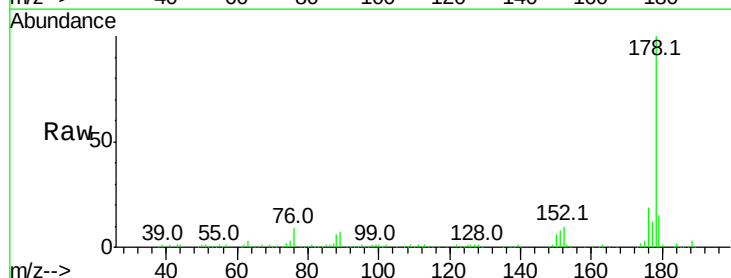


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

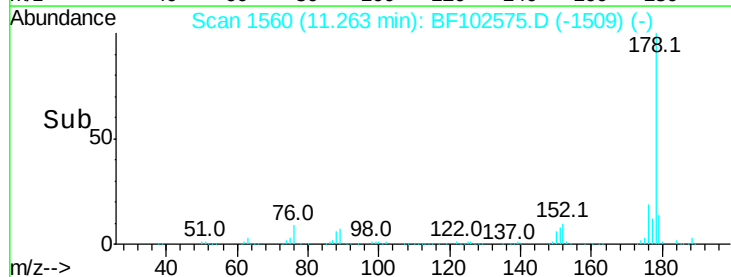
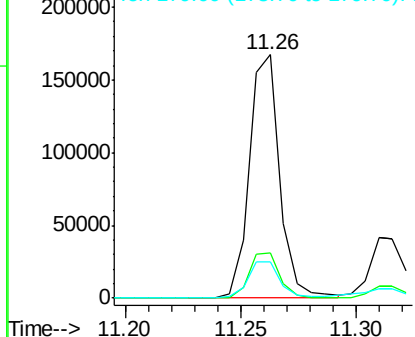


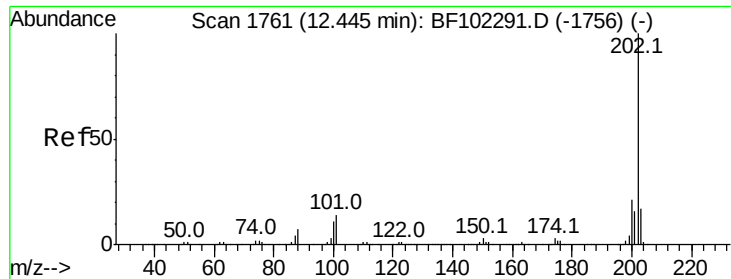
#70
Phenanthrene
Concen: 7.258 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion:178 Resp: 154011
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.7 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: 11.067 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102575.D

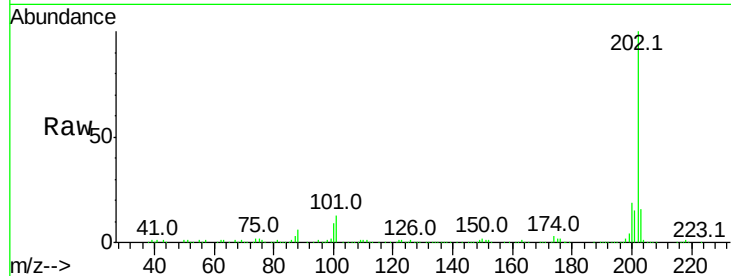
Acq: 28 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

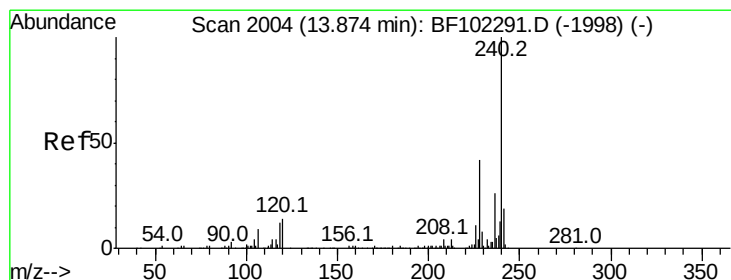
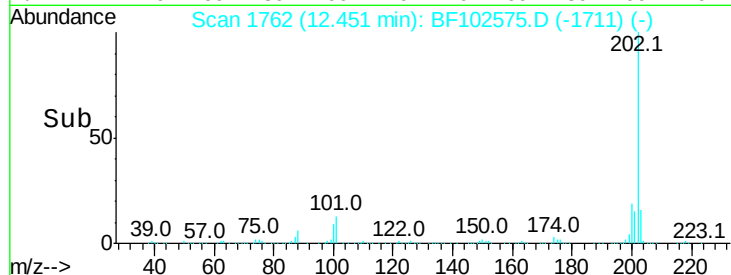
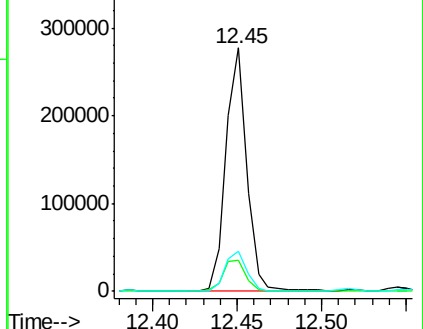
Tot Ion:	202	Resp:	239465
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	16.4	0.0	38.1



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

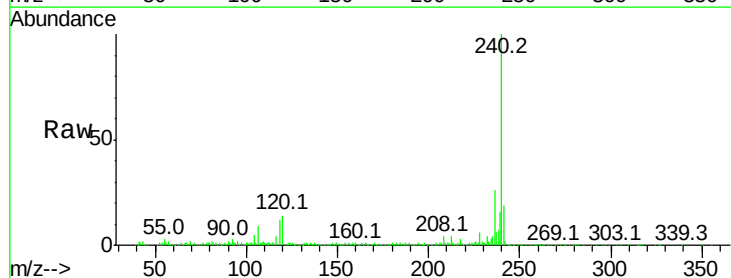
RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

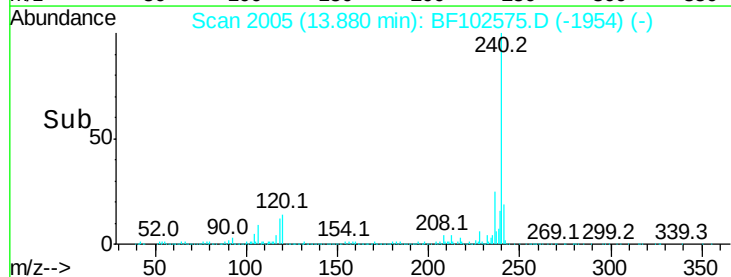
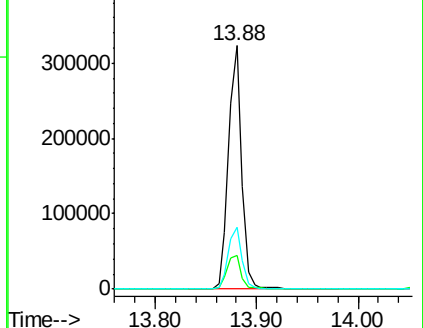
Tgt Ion:	240	Resp:	296340
Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.5	14.3
236	25.6	20.7	31.1

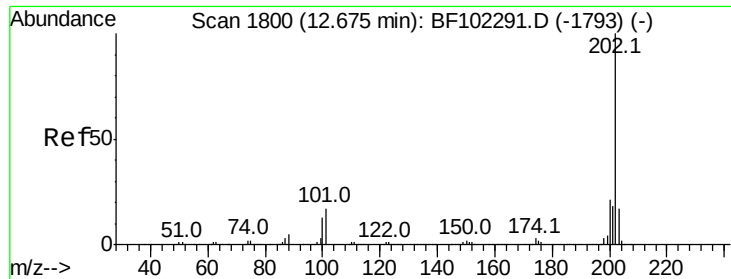


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.467 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

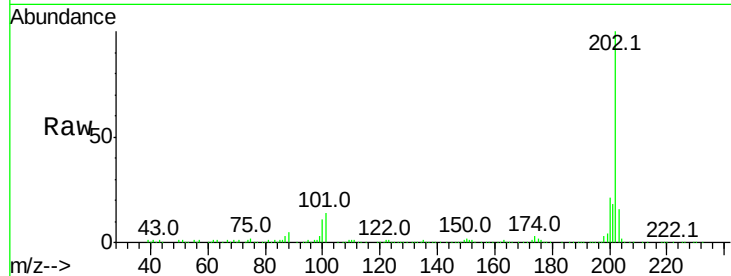
Tot Ion:202 Resp: 216901

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

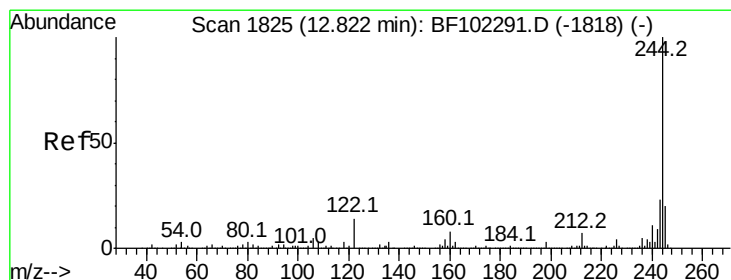
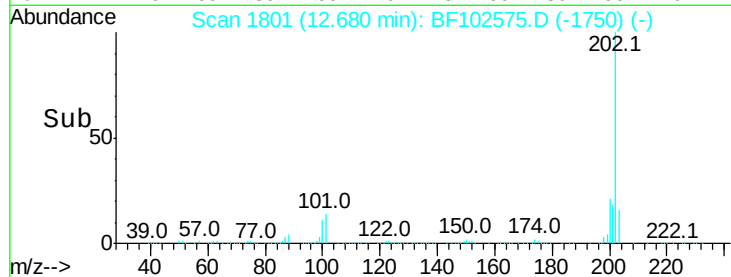
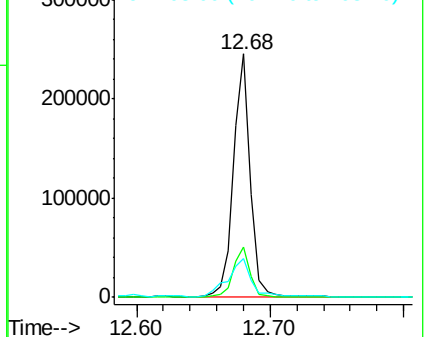
203 16.0 14.3 21.5



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: 47.749 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

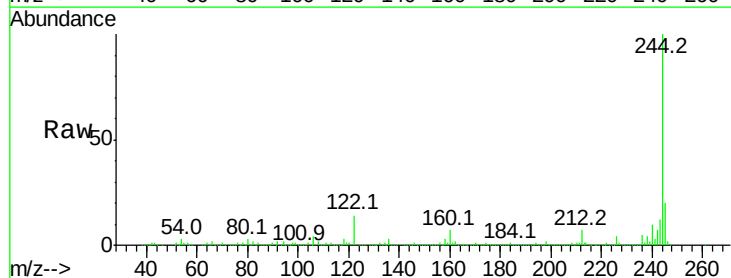
Tgt Ion:244 Resp: 627667

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

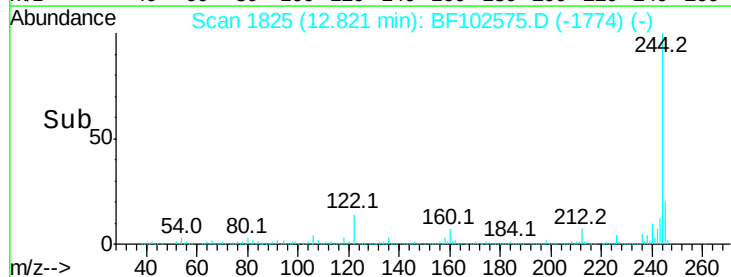
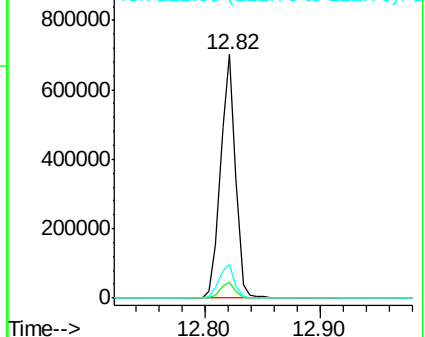
122 13.7 11.0 16.4

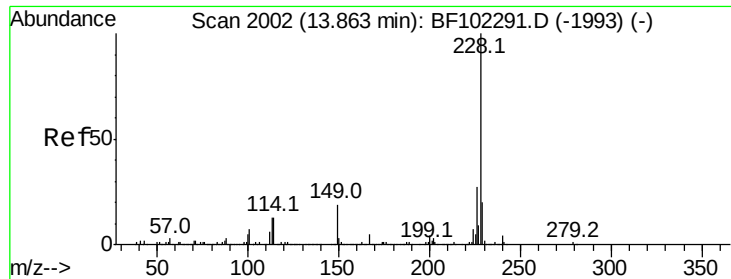


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

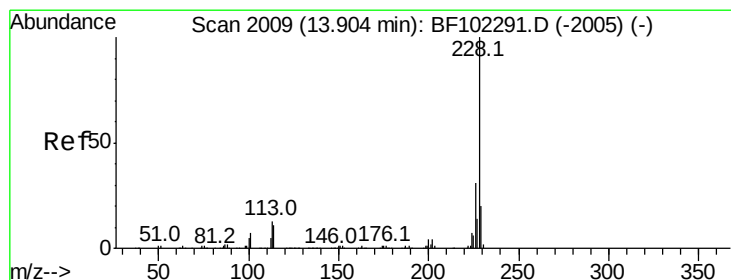
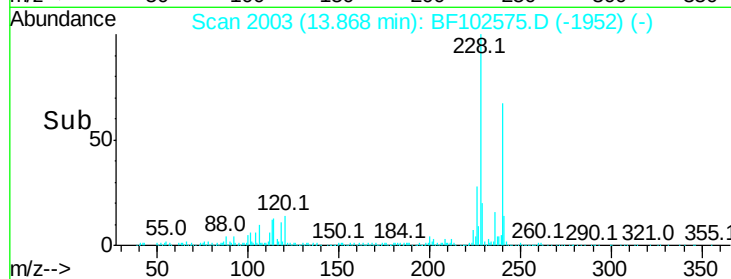
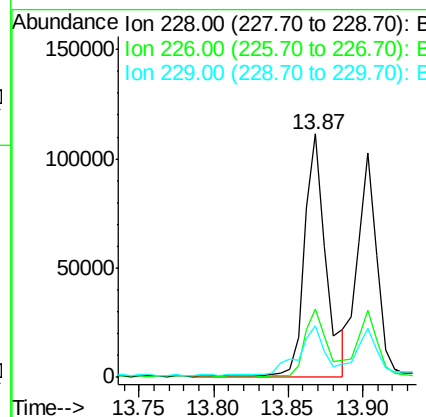
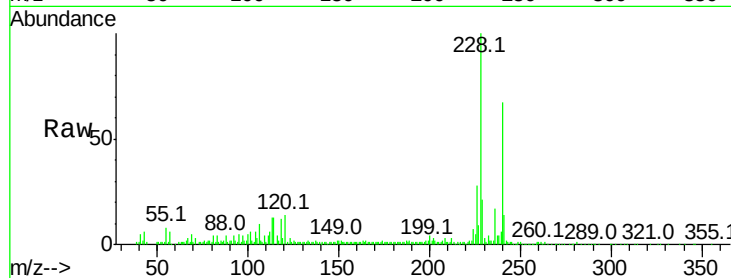




#80
Benzo(a)anthracene
Concen: 6.073 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

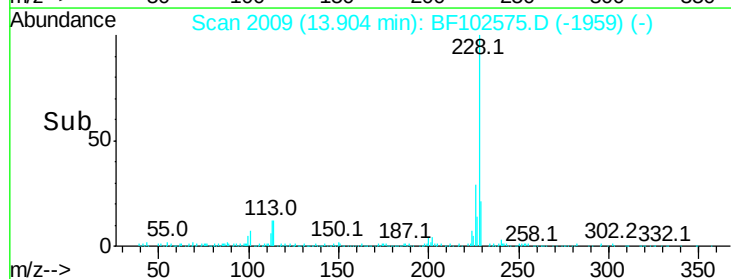
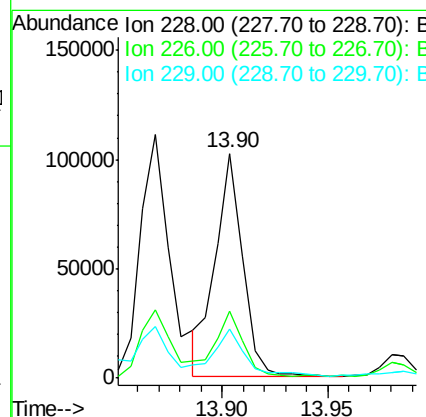
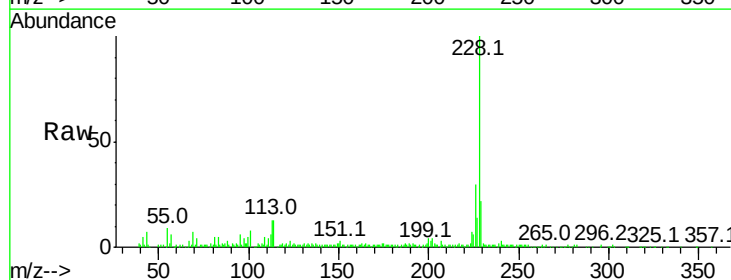
Instrument :
BNA_F
ClientSampled :

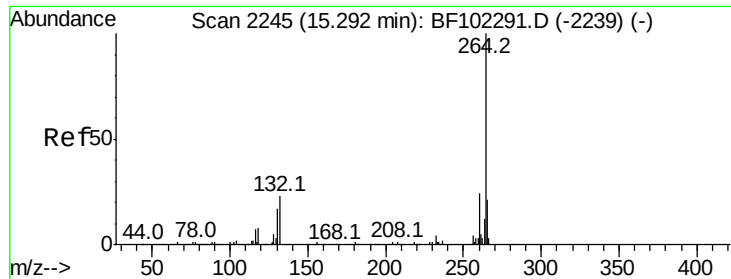
Tot Ion:228 Resp: 110804
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 21.0 15.8 23.6



#82
Chrysene
Concen: 5.045 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion:228 Resp: 93469
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.1 16.2 24.4

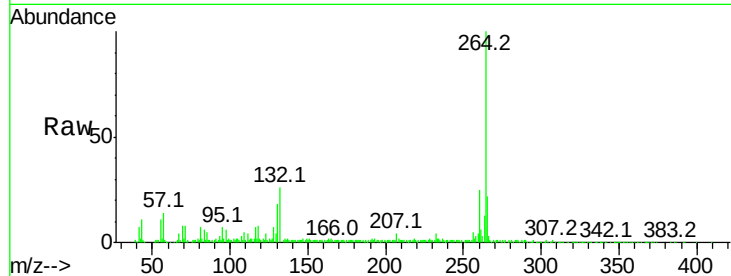




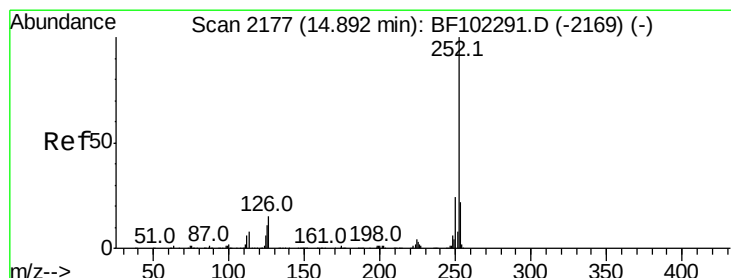
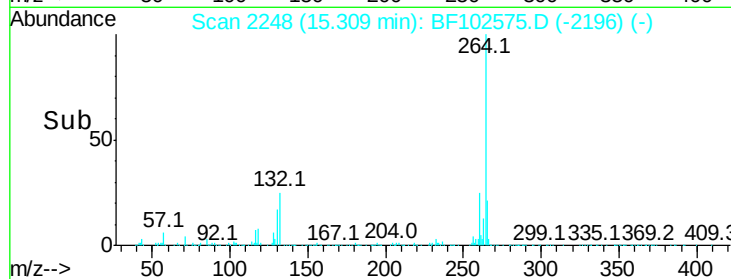
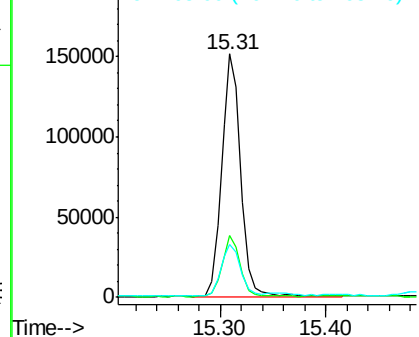
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.7	17.5	26.3

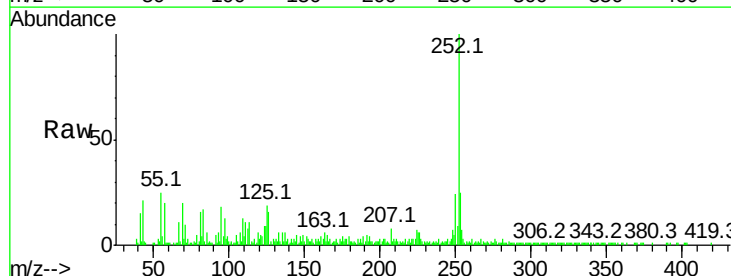


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

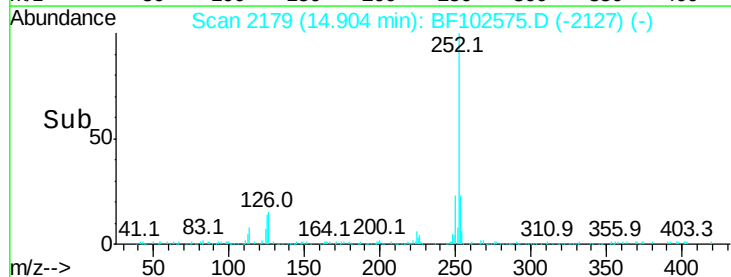
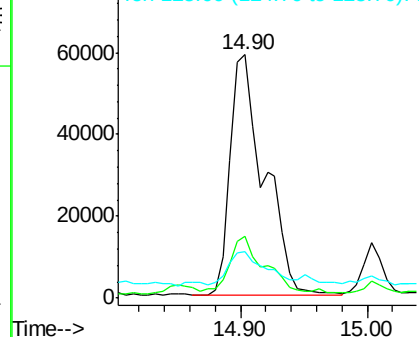


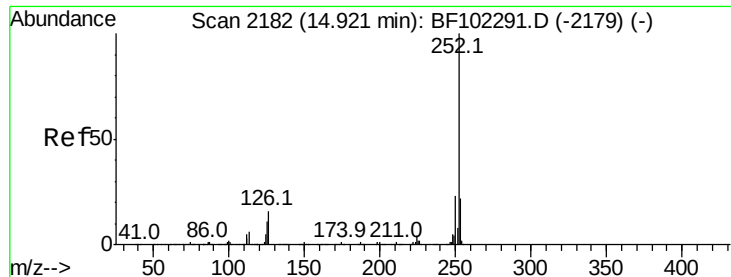
#87
Benzo(b)fluoranthene
Concen: 9.019 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	18.9	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

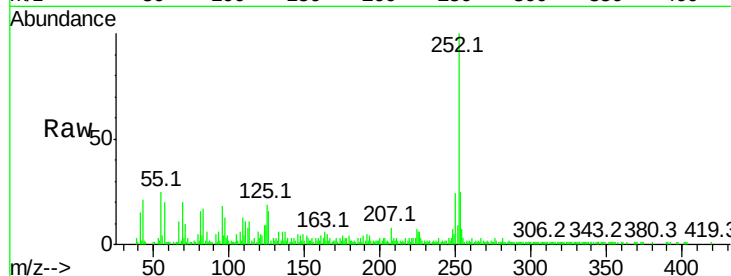




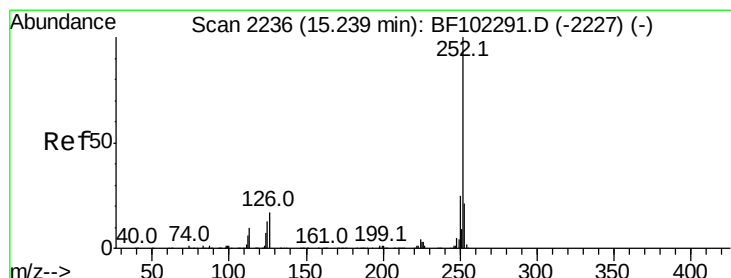
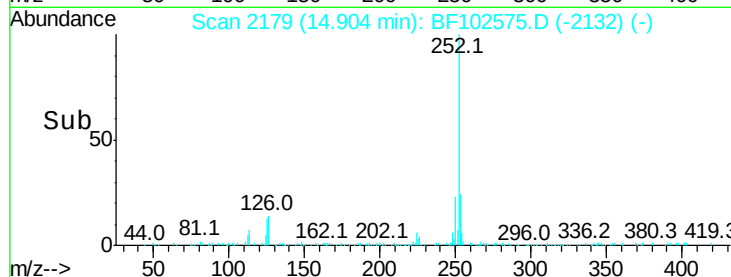
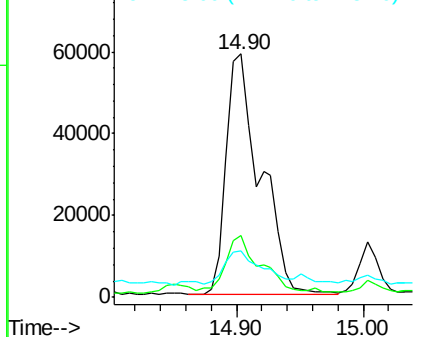
#88
Benzo(k)fluoranthene
Concen: 9.546 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	18.9	10.2	15.2

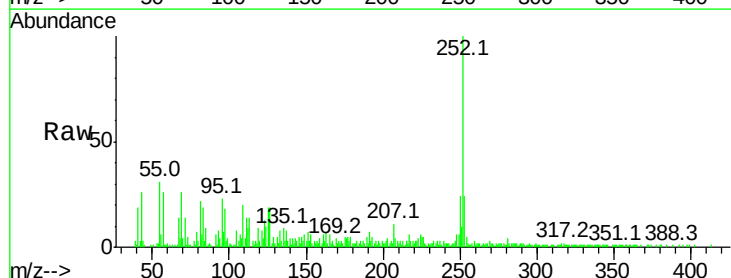


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

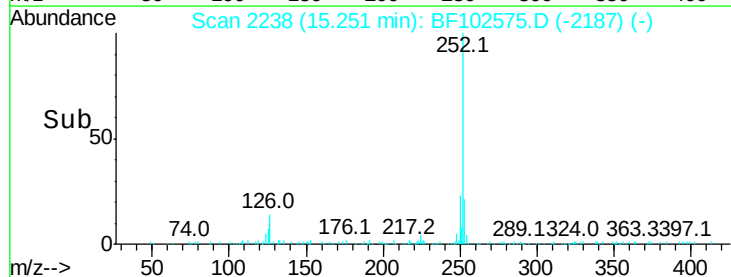
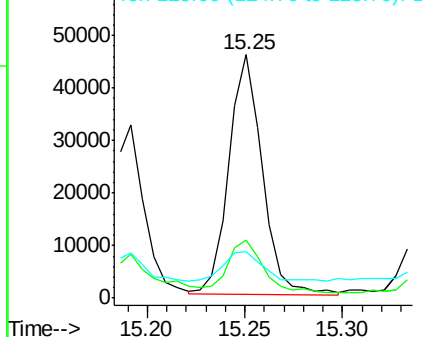


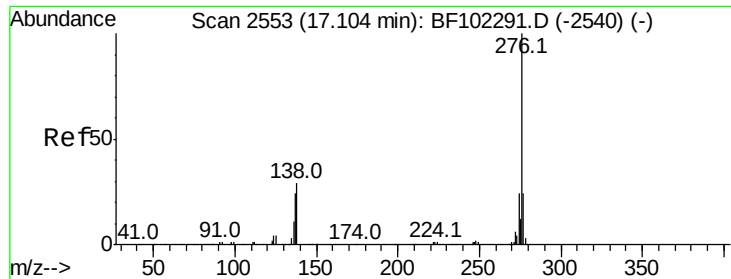
#89
Benzo(a)pyrene
Concen: 4.874 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF102575.D
Acq: 28 Jan 2018 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	19.1	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(a,h,i)perylene

Concen: 2.993 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102575.D

Acq: 28 Jan 2018 23:18

Instrument :

BNA_F

ClientSampleId :

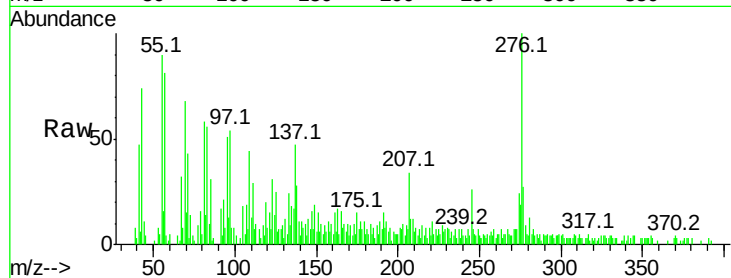
Tot Ion:276 Resp: 26509

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 28.4 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

