

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090617\
 Data File : BF098293.D
 Acq On : 7 Sep 2017 00:51
 Operator : SJ/JU
 Sample : I5075-10 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 292

Quant Time: Sep 07 03:42:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

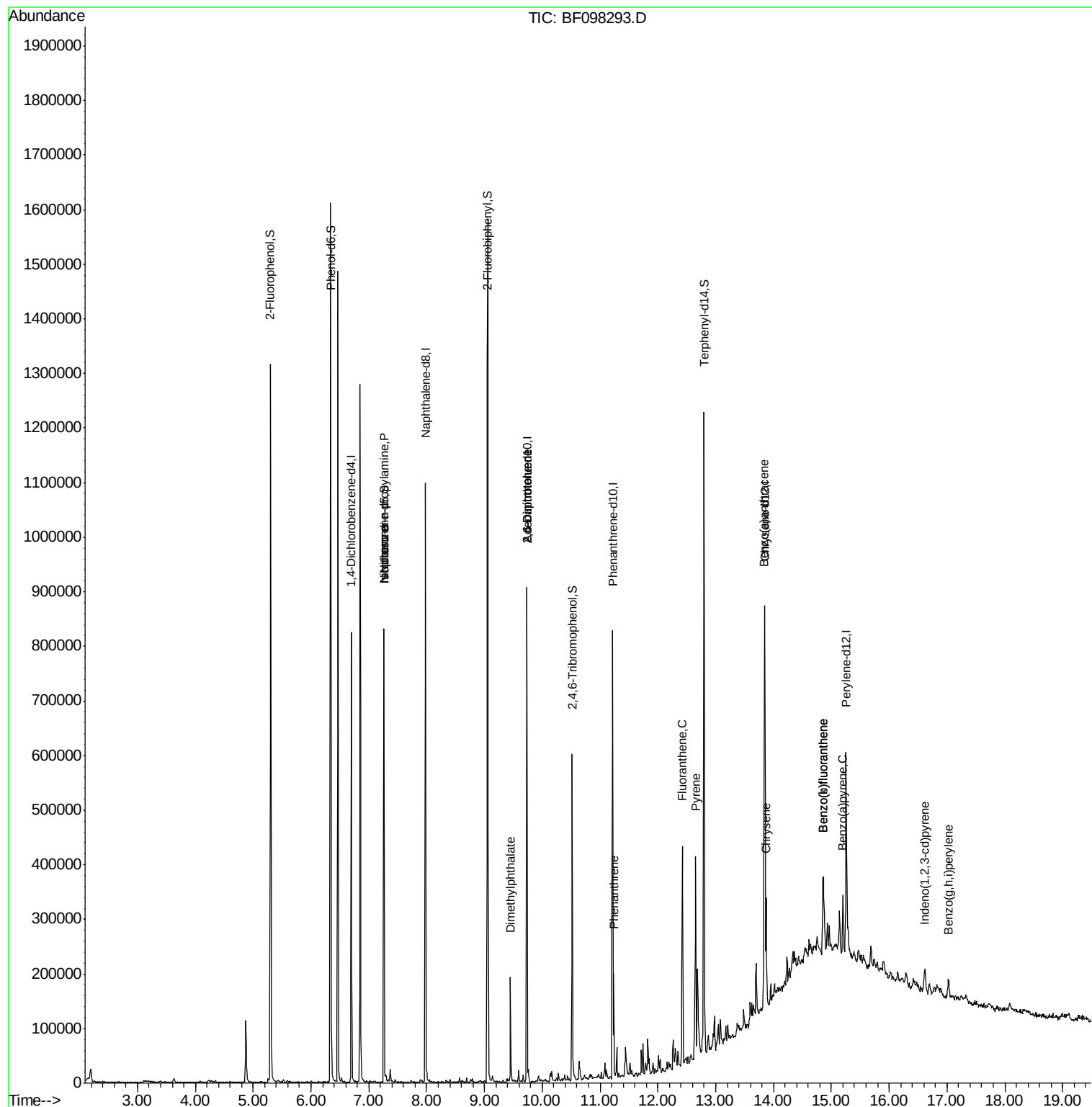
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	116684	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	435367	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	165765	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	269974	20.00	ng	0.00
75) Chrysene-d12	13.85	240	242332	20.00	ng	-0.01
86) Perylene-d12	15.26	264	168122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	396351	51.67	ng	0.00
7) Phenol-d6	6.34	99	524040	50.28	ng	-0.01
23) Nitrobenzene-d5	7.26	82	299518	37.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	64447	44.81	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	468626	41.54	ng	-0.01
78) Terphenyl-d14	12.80	244	318316	27.39	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	39413	5.52	ng	# 70
25) Isophorone	7.26	82	295660	17.74	ng	# 67
49) Dimethylphthalate	9.45	163	69461	5.73	ng	99
50) 2,6-Dinitrotoluene	9.73	165	21193	8.76	ng	# 34
56) 2,4-Dinitrotoluene	9.73	165	21193	6.98	ng	# 34
70) Phenanthrene	11.24	178	69007	4.80	ng	98
74) Fluoranthene	12.42	202	146755	9.77	ng	98
77) Pyrene	12.65	202	139567	7.04	ng	97
80) Benzo(a)anthracene	13.84	228	72545	4.99	ng	97
82) Chrysene	13.87	228	64770	4.48	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	24419	2.30	ng	95
87) Benzo(b)fluoranthene	14.86	252	90562	8.55	ng	# 94
88) Benzo(k)fluoranthene	14.86	252	90562	9.10	ng	99
89) Benzo(a)pyrene	15.20	252	44800	4.78	ng	# 92
91) Benzo(a,h,i)perylene	17.03	276	26630	3.34	ng	95

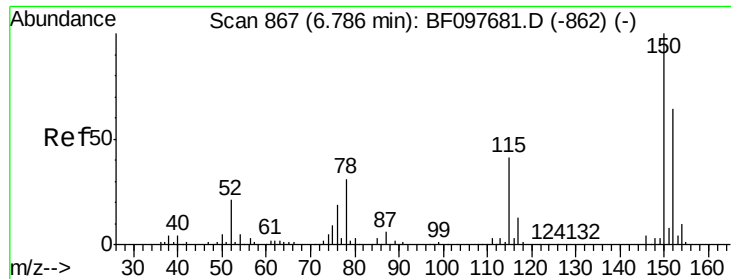
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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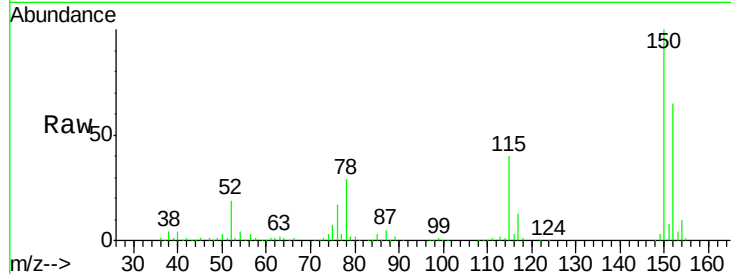


#1

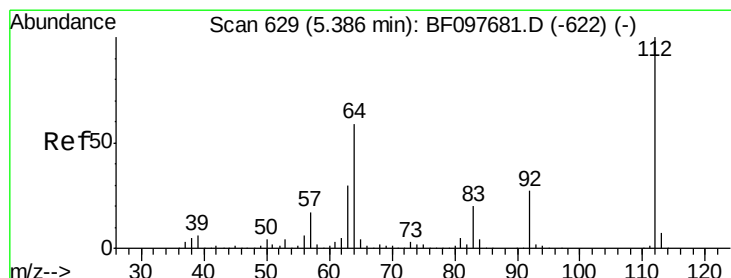
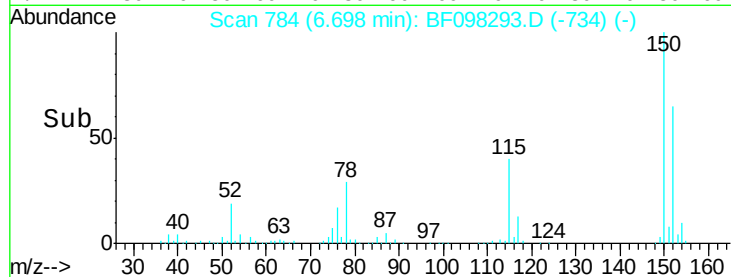
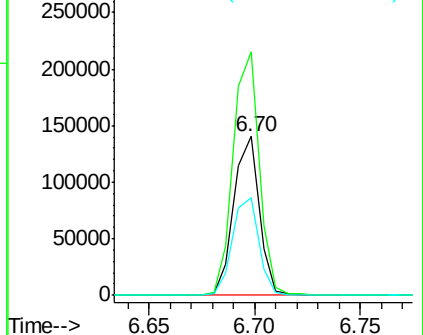
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion:152 Resp: 116684
Ion Ratio Lower Upper
152 100
150 153.2 126.2 189.2
115 61.5 52.2 78.2



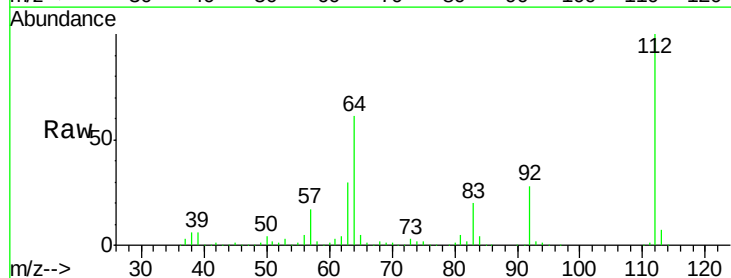
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



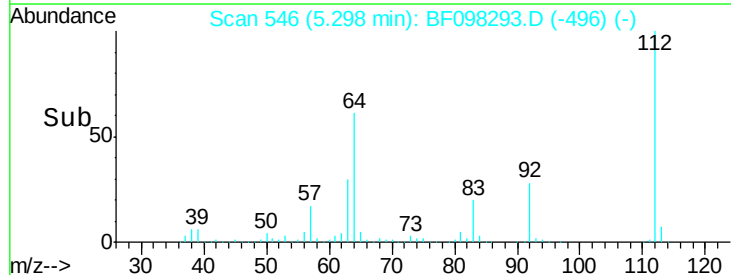
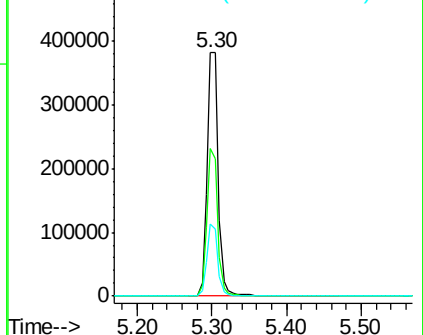
#5

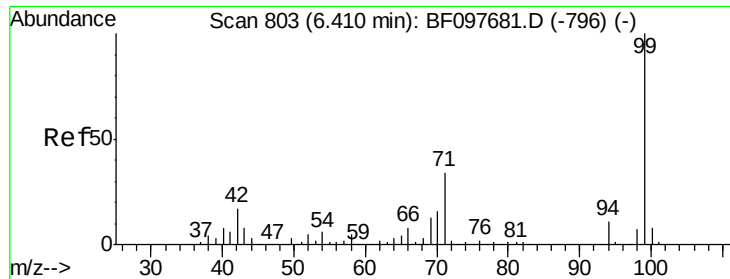
2-Fluorophenol
Concen: 51.67 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Tgt Ion:112 Resp: 396351
Ion Ratio Lower Upper
112 100
64 60.9 46.0 69.0
63 29.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.28 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Instrument :

BNA_F

ClientSampleId :

292

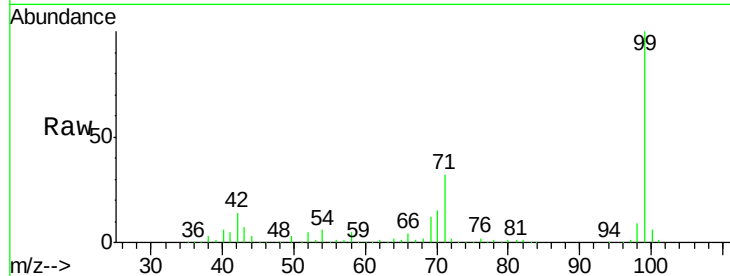
Tot Ion: 99 Resp: 524040

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

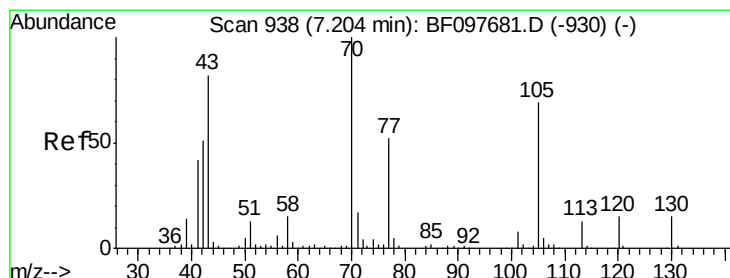
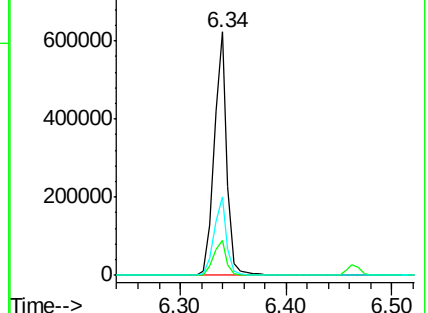
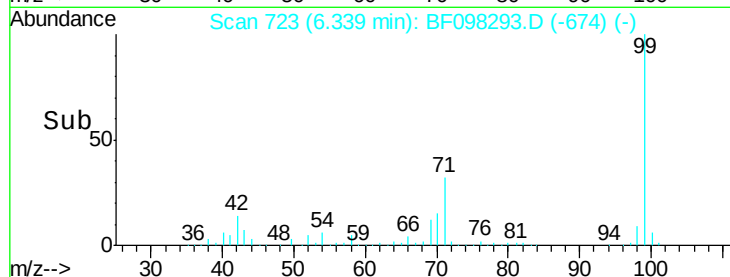
71 32.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 5.52 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Tgt Ion: 70 Resp: 39413

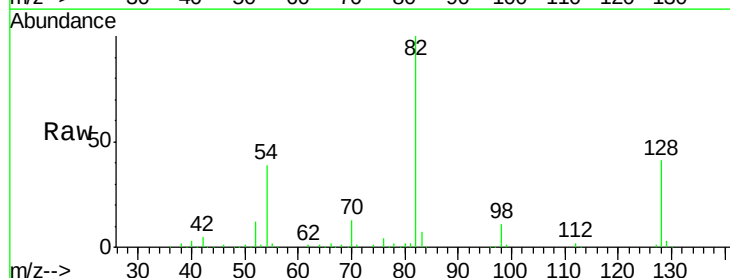
Ion Ratio Lower Upper

70 100

42 37.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

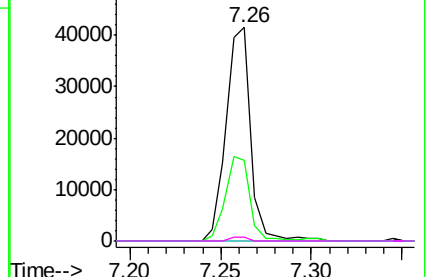
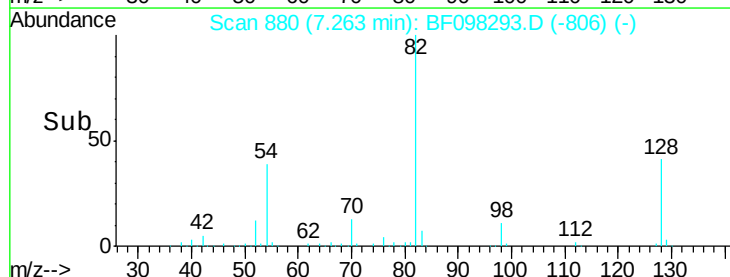


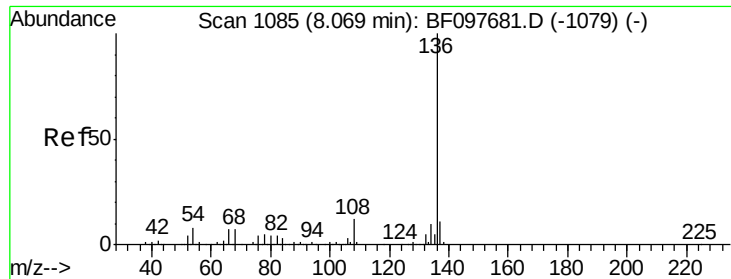
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

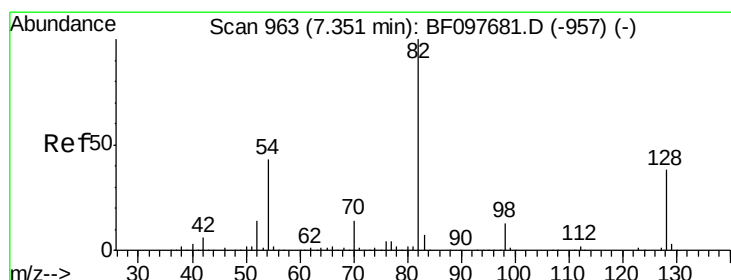
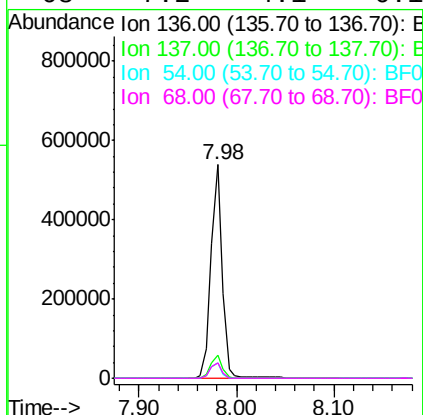
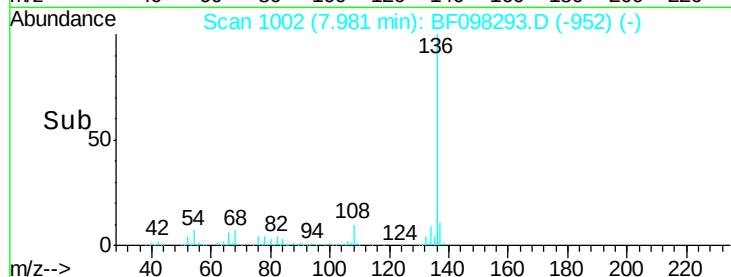
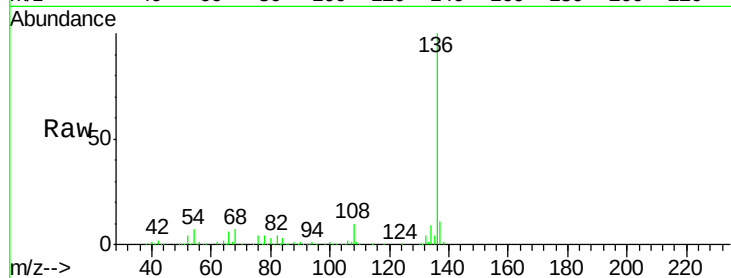




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

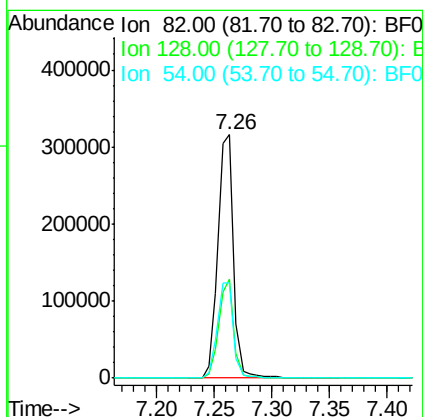
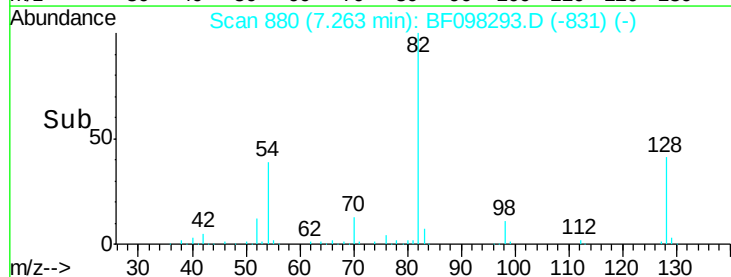
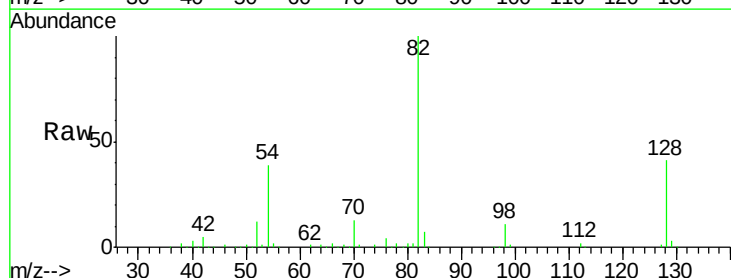
Instrument :
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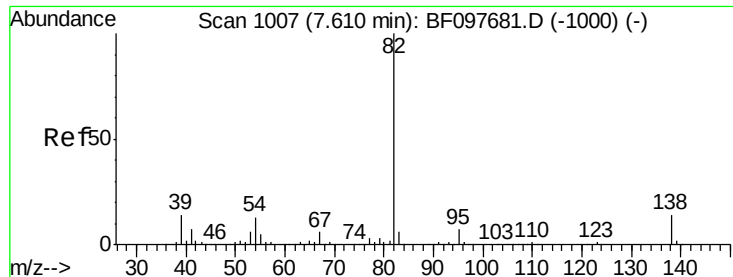
Tot Ion:136	Resp:	435367
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.5 12.7
54	7.3	4.9 7.3
68	7.2	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 37.37 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Tgt Ion: 82	Resp:	299518
Ion	Ratio	Lower Upper
82	100	
128	40.7	34.0 51.0
54	39.3	42.2 63.2#

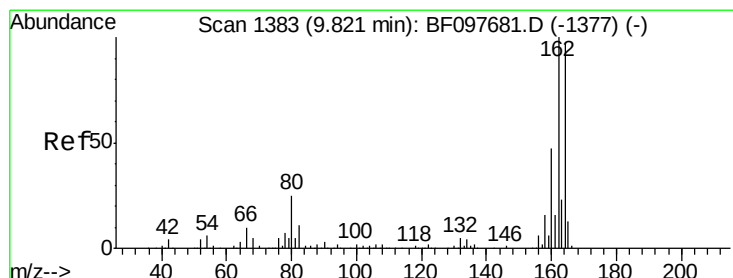
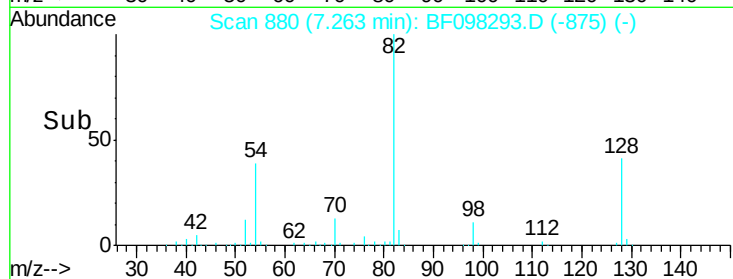
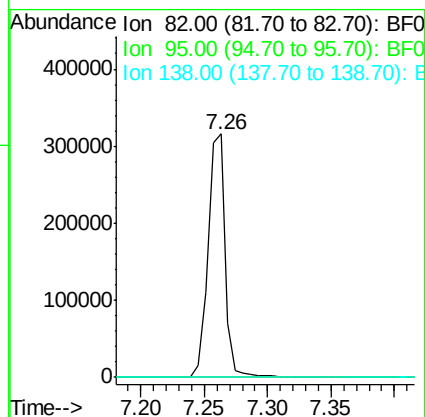
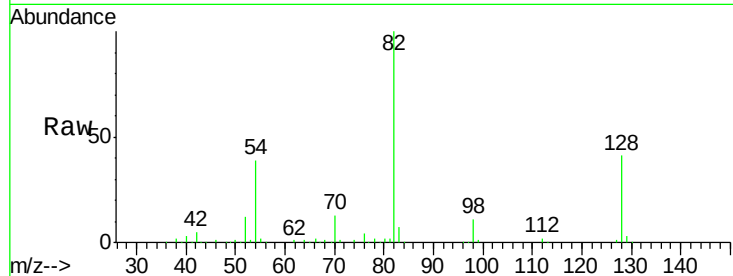




#25
Isophorone
Concen: 17.74 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

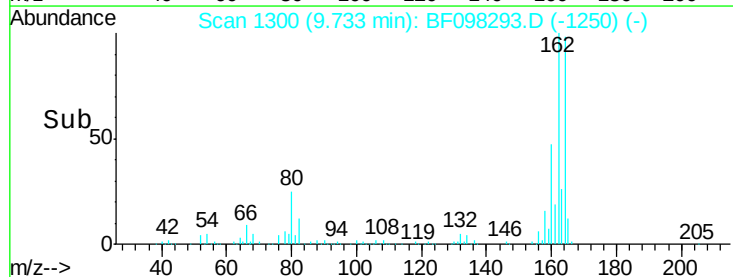
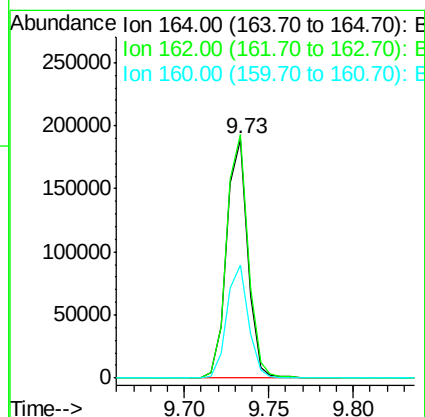
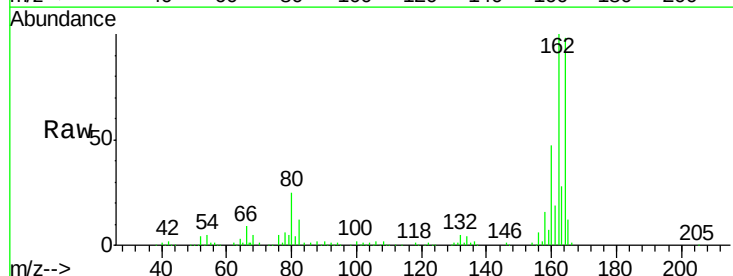
Instrument :
BNA_F
ClientSampleId :
292

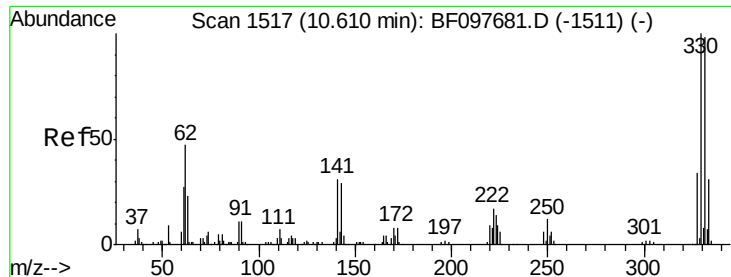
Tot Ion: 82 Resp: 295660
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Tgt Ion: 164 Resp: 165765
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 47.5 36.2 54.2

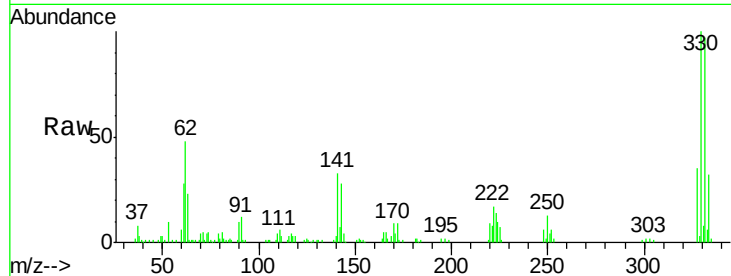




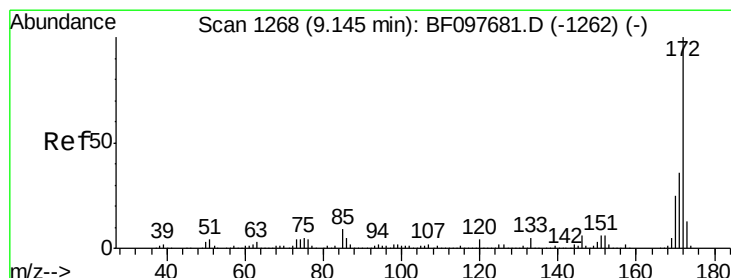
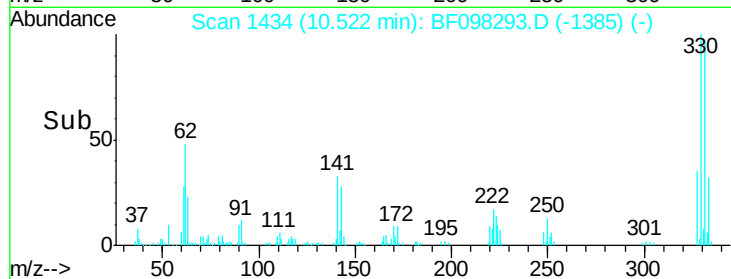
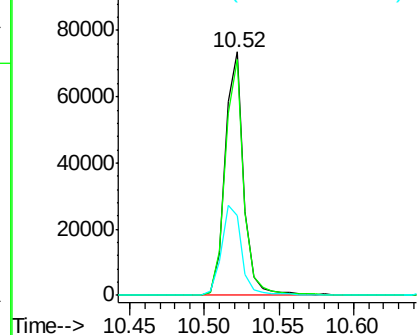
#41
 2,4,6-Tribromophenol
 Concen: 44.81 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF098293.D
 Acq: 7 Sep 2017 00:51

Instrument :
 BNA_F
 ClientSampled :
 292

Tot Ion:330 Resp: 64447
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 39.8 31.4 47.2

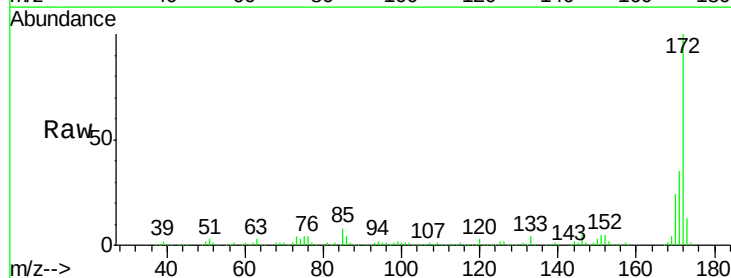


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

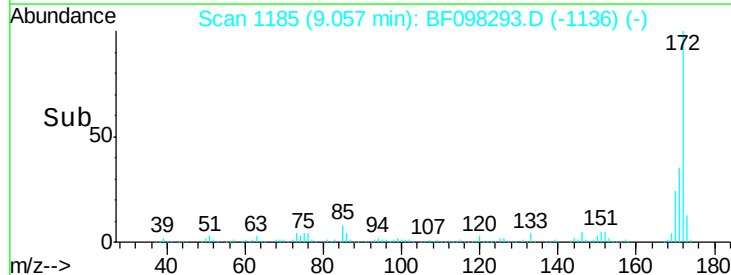
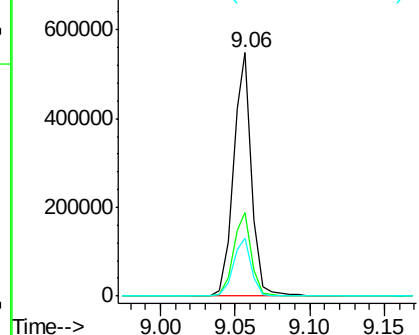


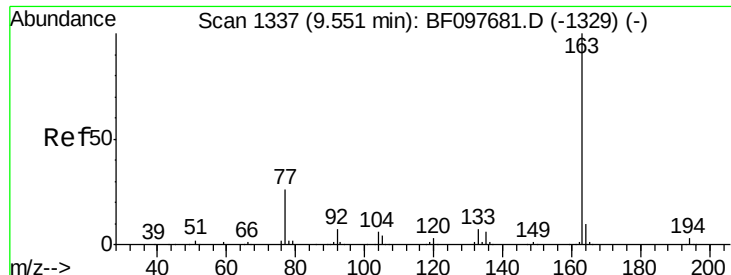
#44
 2-Fluorobiphenyl
 Concen: 41.54 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF098293.D
 Acq: 7 Sep 2017 00:51

Tgt Ion:172 Resp: 468626
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 23.9 19.8 29.8



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

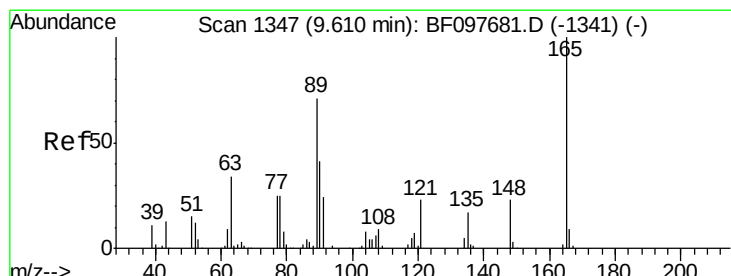
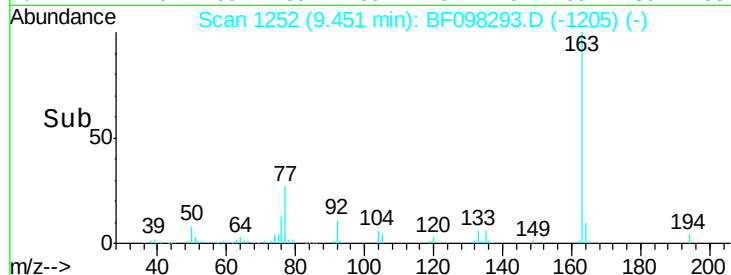
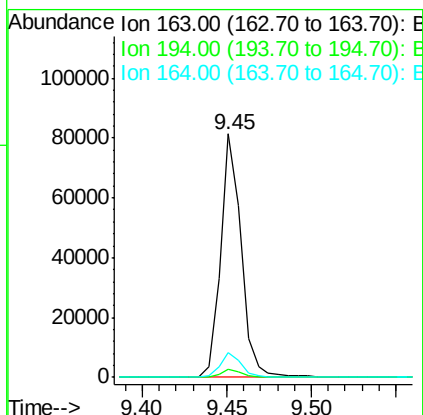
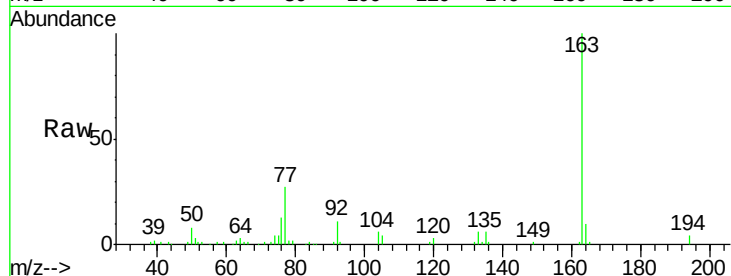




#49
Dimethylphthalate
Concen: 5.73 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

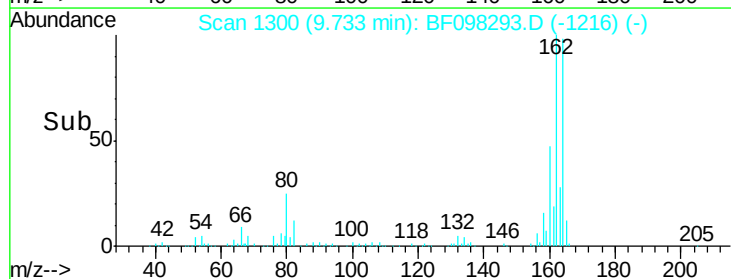
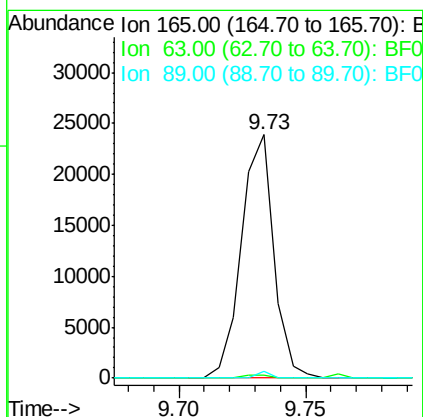
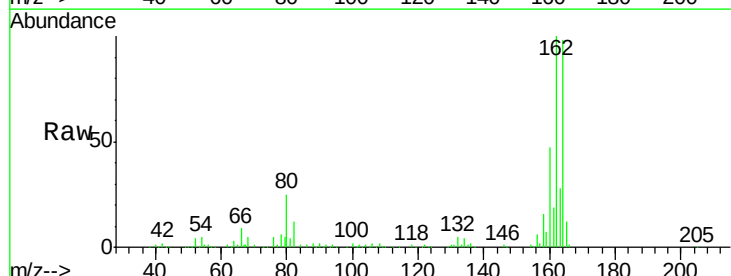
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ClientSampled :
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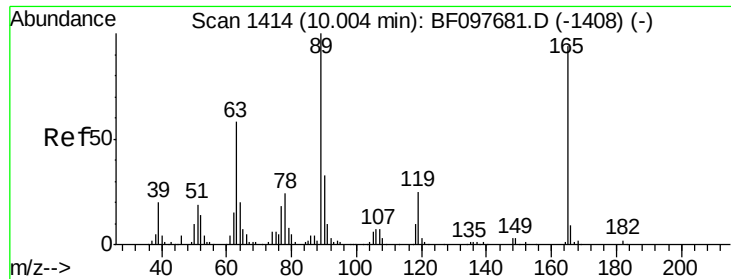
Tot Ion:163 Resp: 69461
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.3 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.76 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.19 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Tgt Ion:165 Resp: 21193
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 2.5 37.1 55.7#

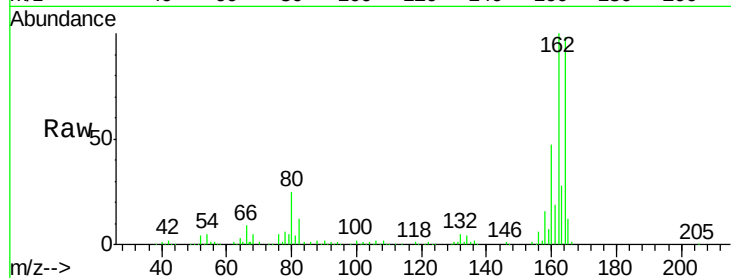




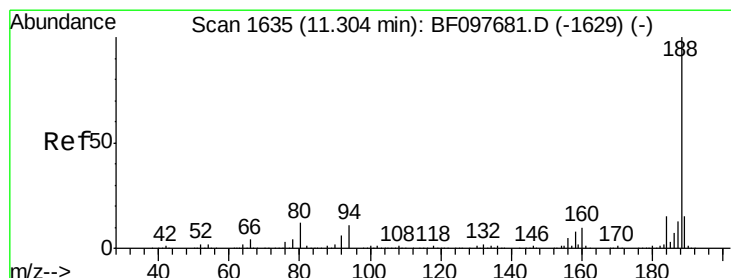
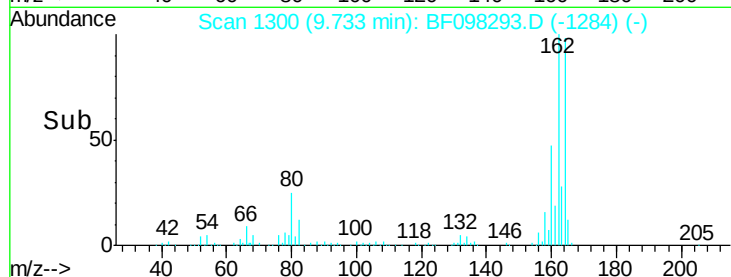
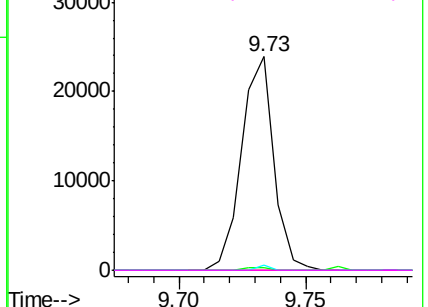
#56
 2,4-Dinitrotoluene
 Concen: 6.98 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF098293.D
 Acq: 7 Sep 2017 00:51

Instrument :
 BNA_F
 ClientSampleId :
 292

Tot Ion:165 Resp: 21193
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 2.5 46.4 69.6#
 182 0.0 1.8 2.6#

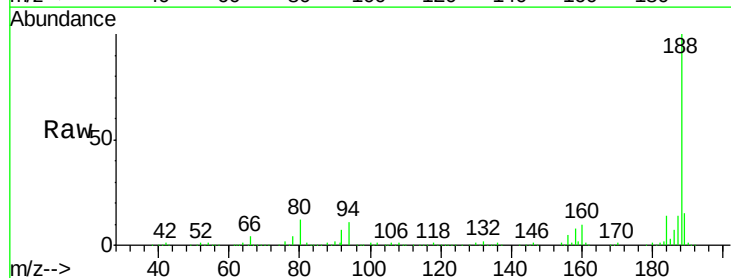


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

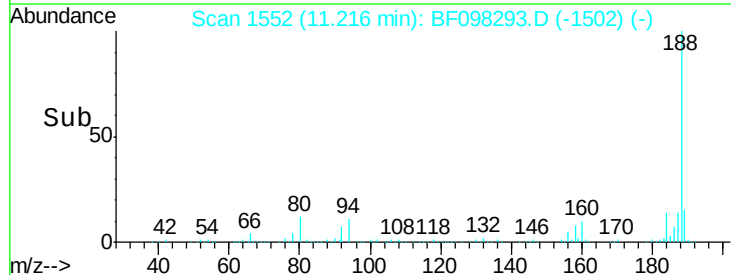
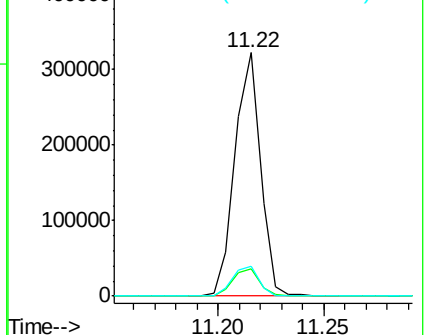


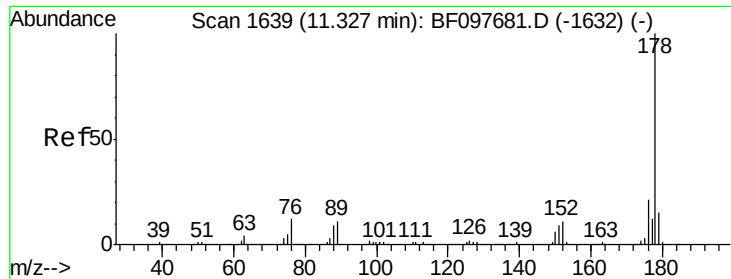
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF098293.D
 Acq: 7 Sep 2017 00:51

Tgt Ion:188 Resp: 269974
 Ion Ratio Lower Upper
 188 100
 94 11.4 9.4 14.2
 80 12.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.80 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Instrument :

BNA_F

ClientSampleId :

292

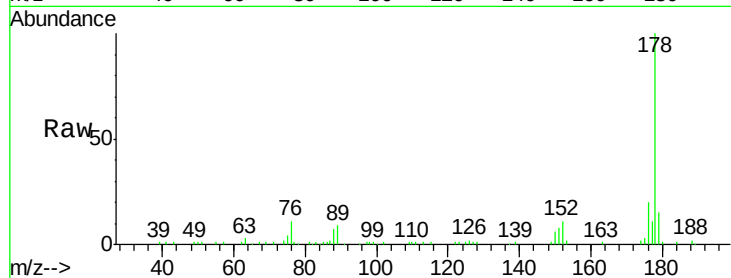
Tot Ion:178 Resp: 69007

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

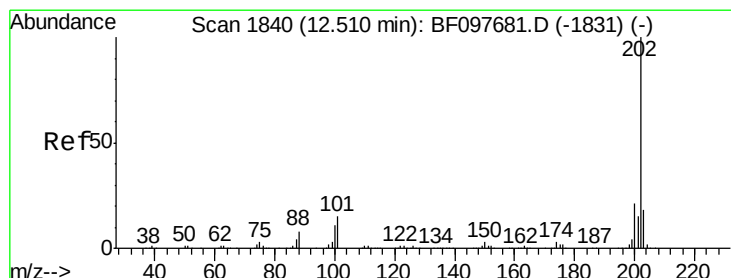
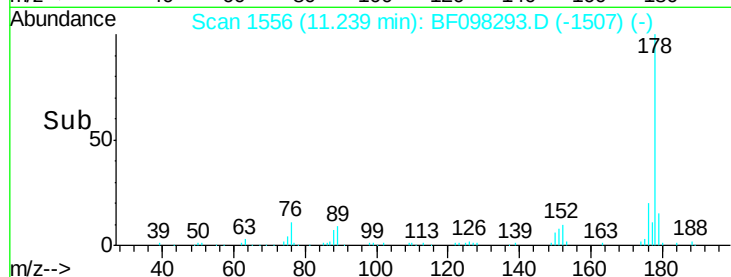
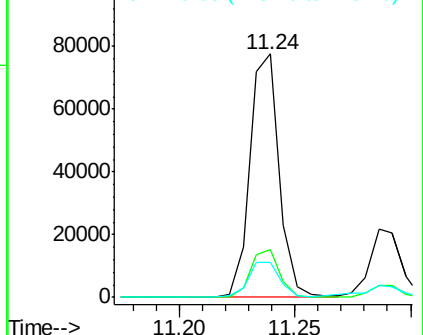
179 14.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.77 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

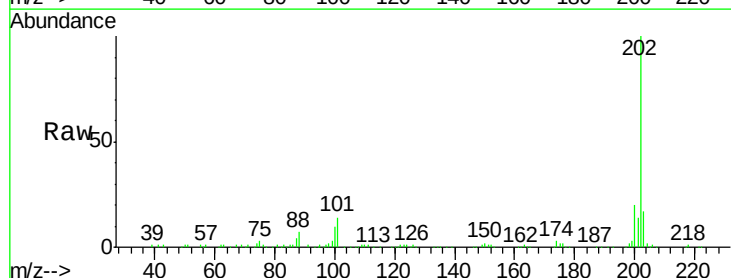
Tgt Ion:202 Resp: 146755

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

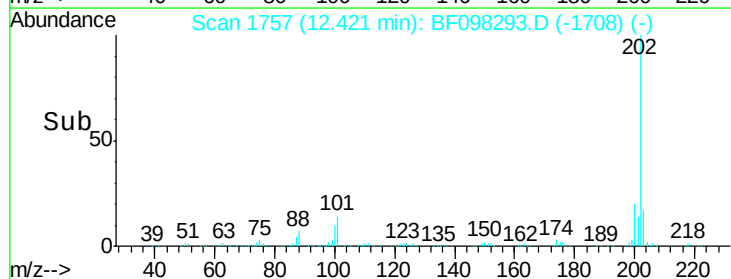
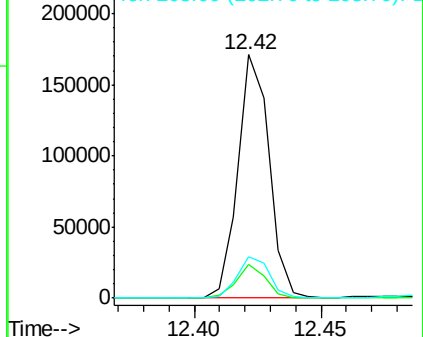
203 17.2 0.0 38.1

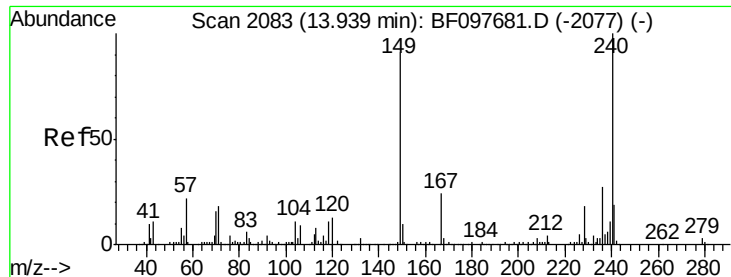


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Instrument :

BNA_F

ClientSampleId :

292

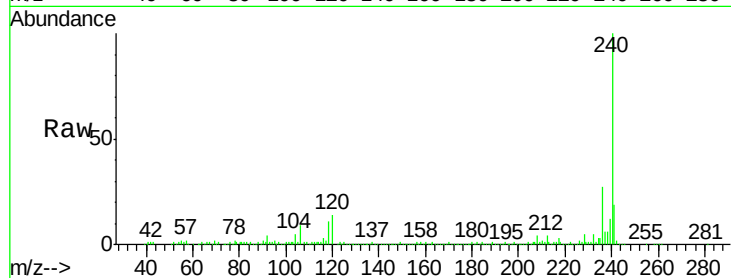
Tot Ion:240 Resp: 242332

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

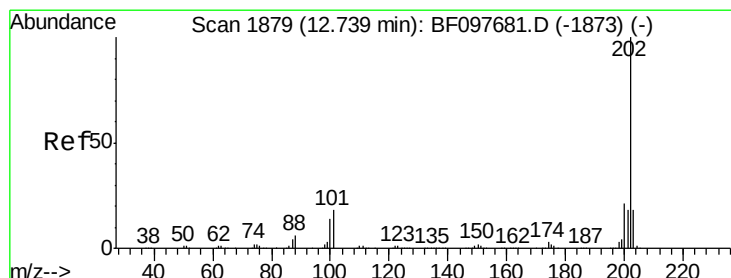
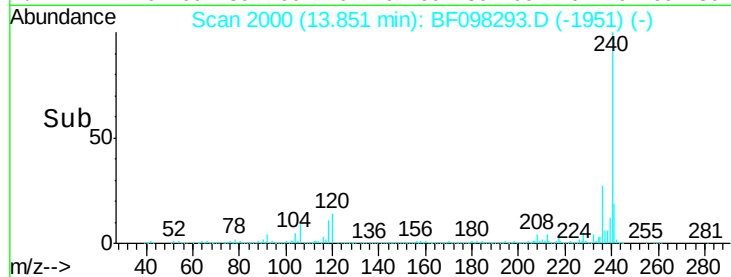
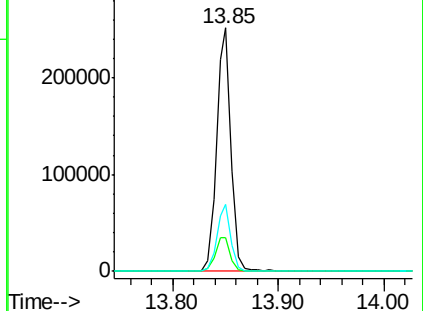
236 27.4 20.5 30.7



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: 7.04 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

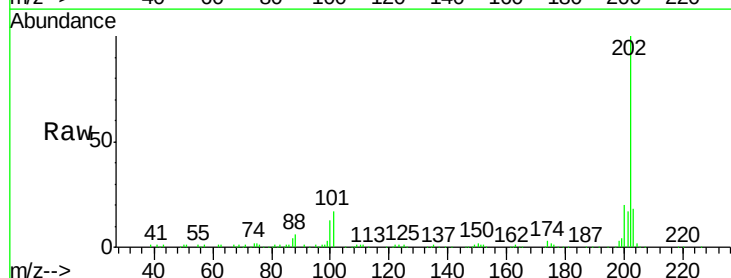
Tgt Ion:202 Resp: 139567

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

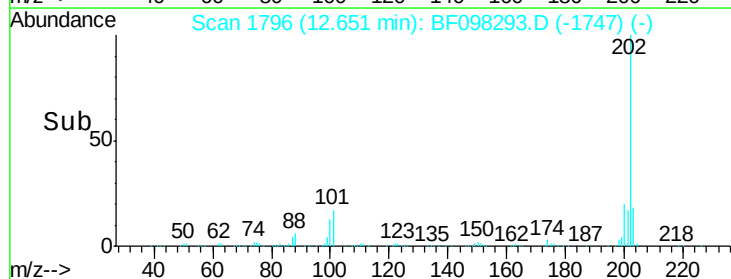
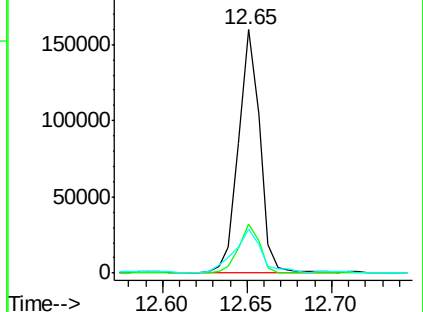
203 18.2 14.4 21.6

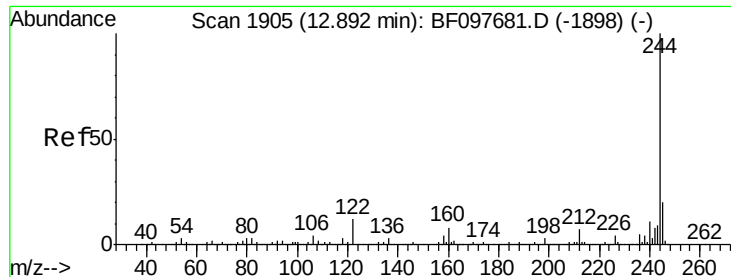


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.39 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Instrument :

BNA_F

ClientSampleId :

292

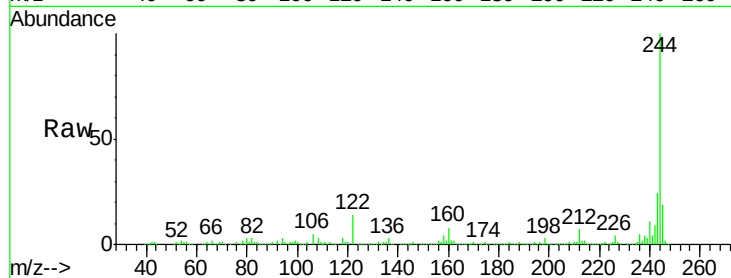
Tot Ion:244 Resp: 318316

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

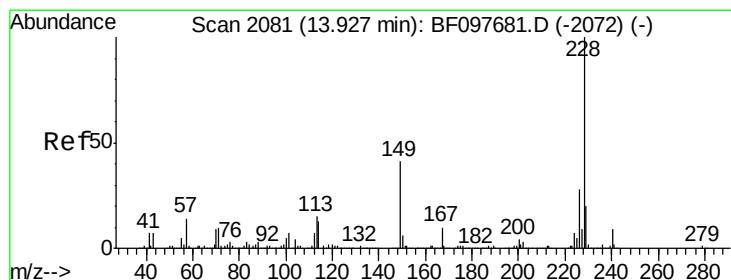
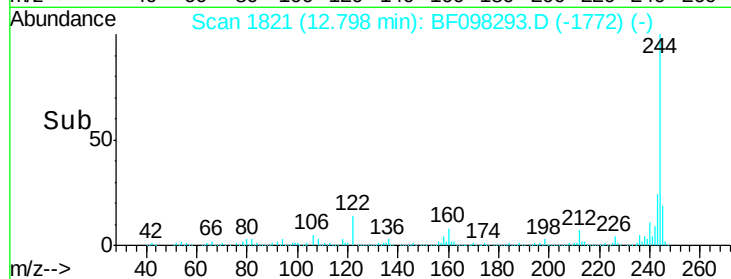
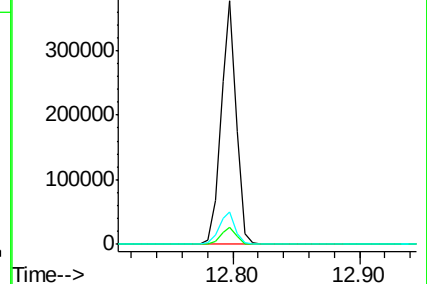
122 13.5 10.3 15.5



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: 4.99 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

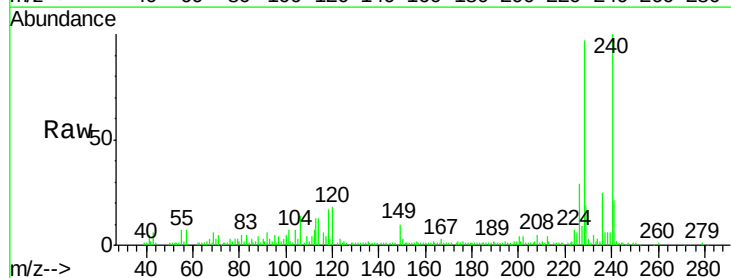
Tgt Ion:228 Resp: 72545

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

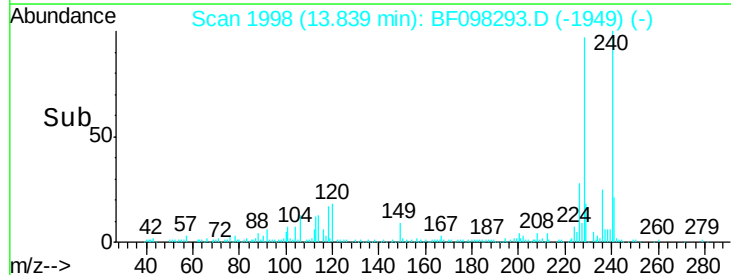
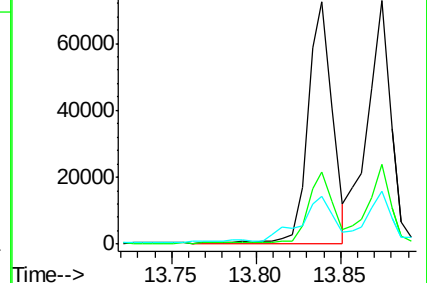
229 19.6 16.3 24.5

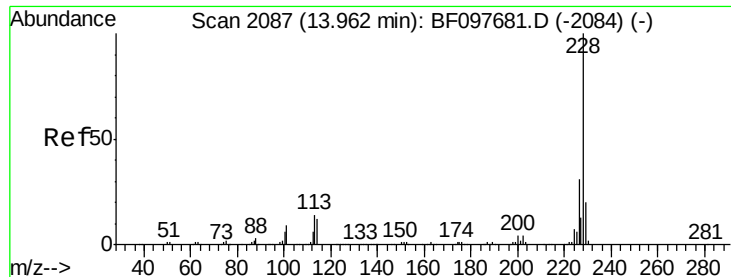


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.48 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Instrument :

BNA_F

ClientSampled :

292

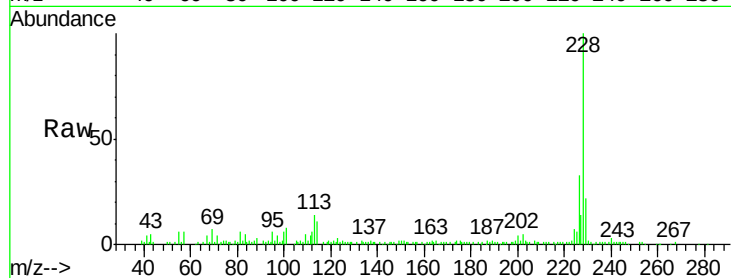
Tot Ion:228 Resp: 64770

Ion Ratio Lower Upper

228 100

226 32.5 24.9 37.3

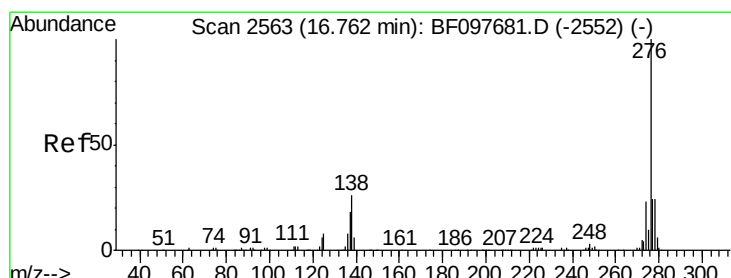
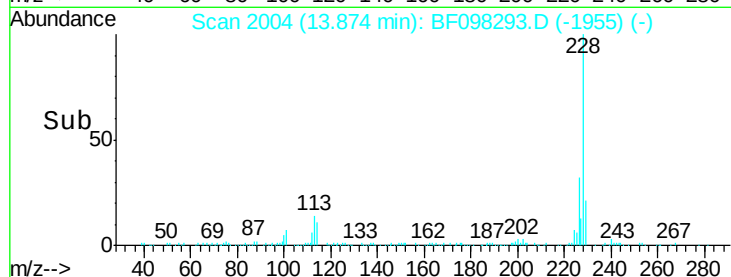
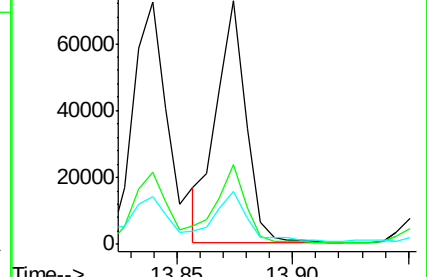
229 21.9 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.30 ng

RT: 16.62 min Scan# 2470

Delta R.T. -0.02 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

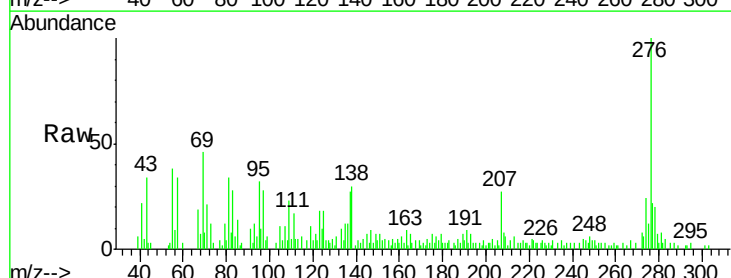
Tgt Ion:276 Resp: 24419

Ion Ratio Lower Upper

276 100

138 31.3 27.8 41.6

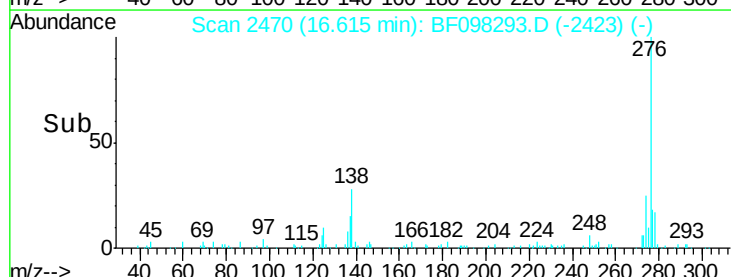
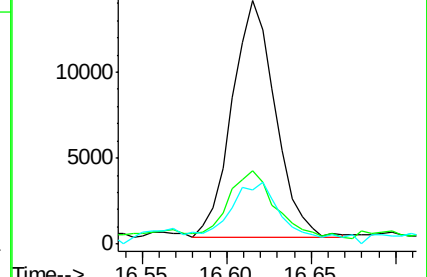
277 26.9 20.2 30.4

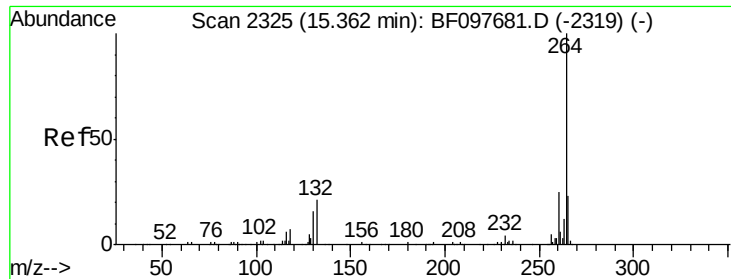


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

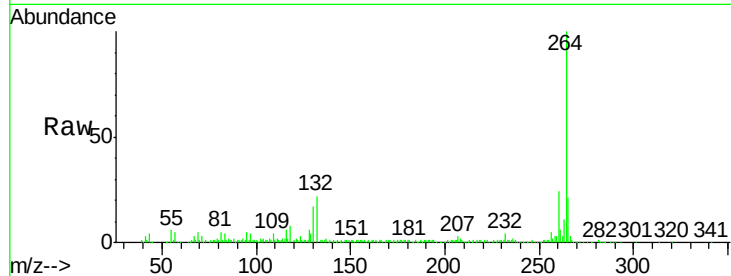




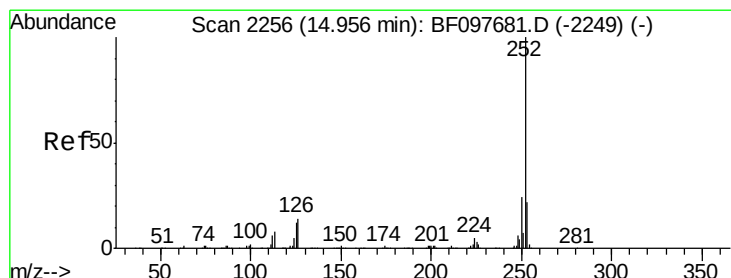
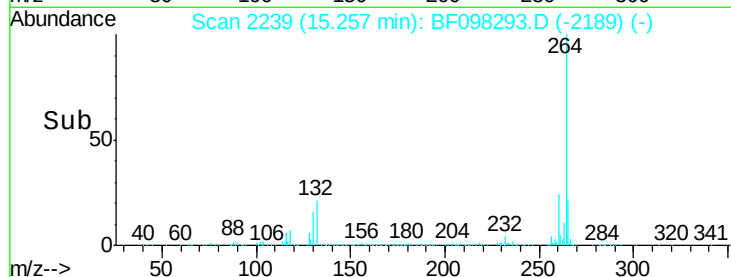
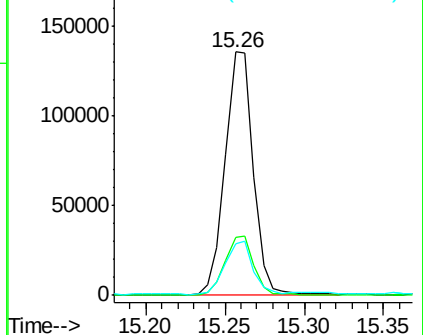
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion:264 Resp: 168122
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.4 17.2 25.8

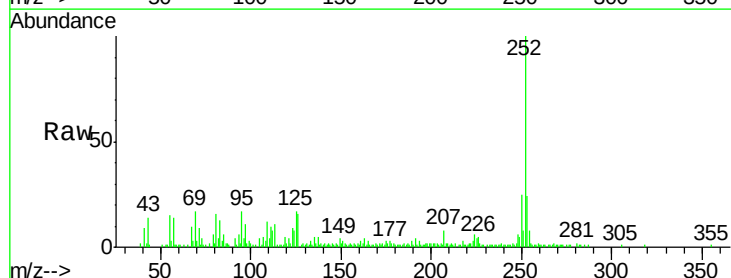


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

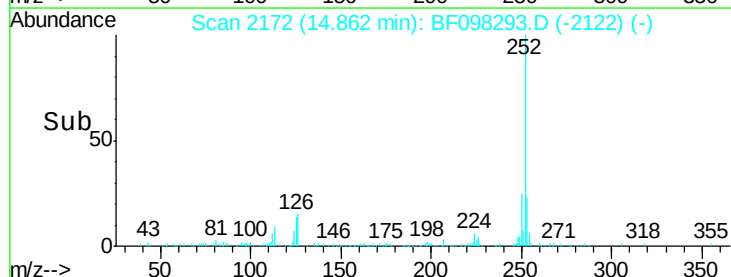
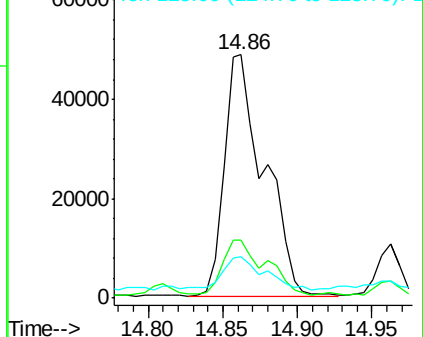


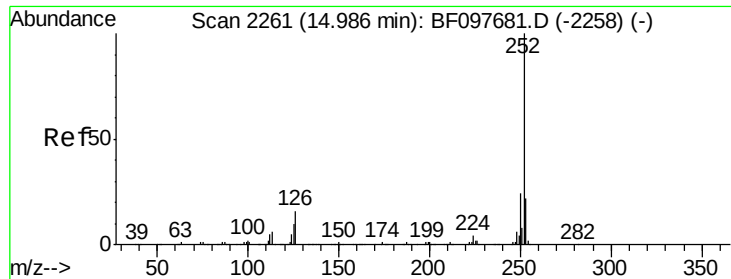
#87
Benzo(b)fluoranthene
Concen: 8.55 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Tgt Ion:252 Resp: 90562
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 16.9 9.8 14.8#



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

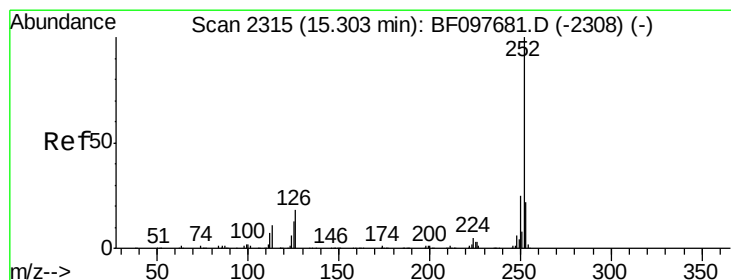
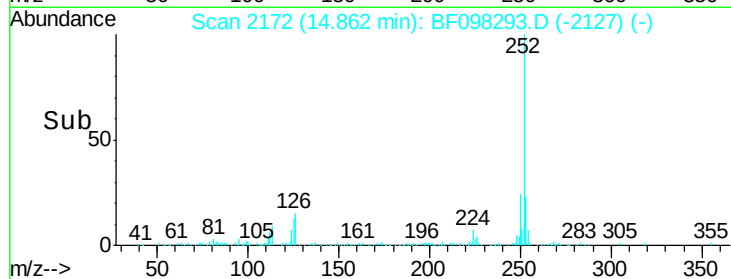
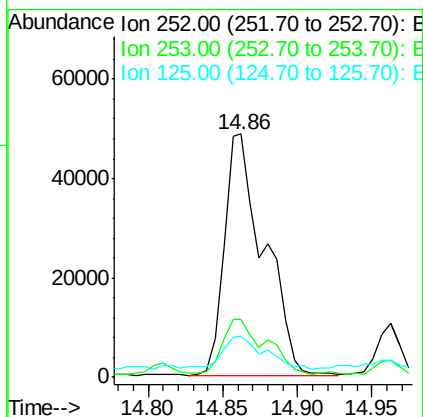
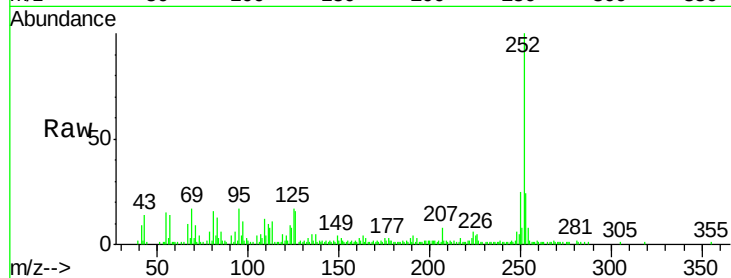




#88
Benzo(k)fluoranthene
Concen: 9.10 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.04 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

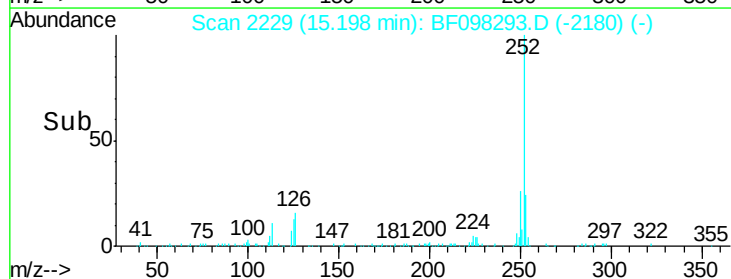
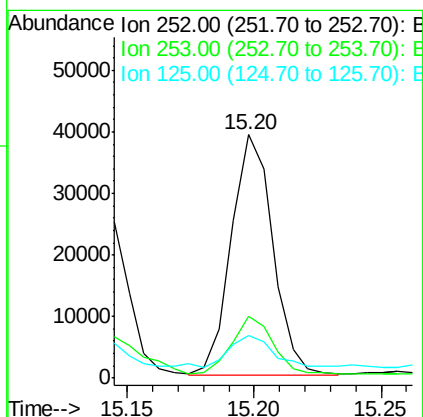
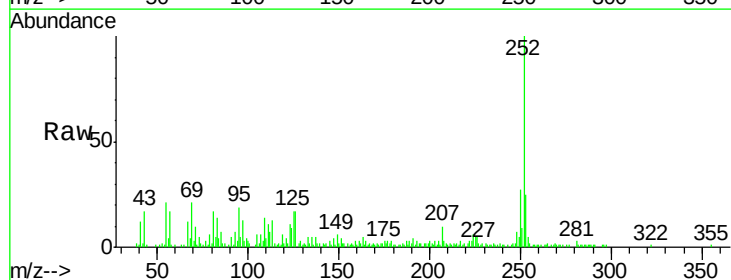
Instrument :
BNA_F
ClientSampleId :
292

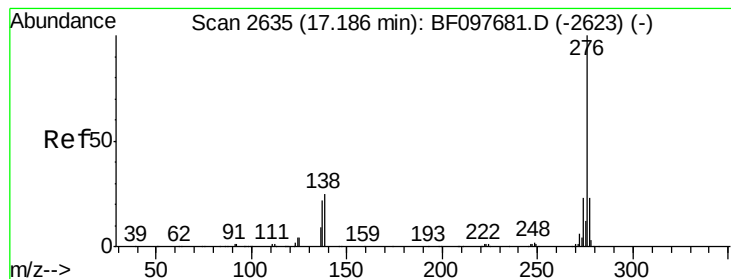
Tot Ion:252 Resp: 90562
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 16.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.78 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF098293.D
Acq: 7 Sep 2017 00:51

Tgt Ion:252 Resp: 44800
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 17.3 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.34 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BF098293.D

Acq: 7 Sep 2017 00:51

Instrument :

BNA_F

ClientSampleId :

292

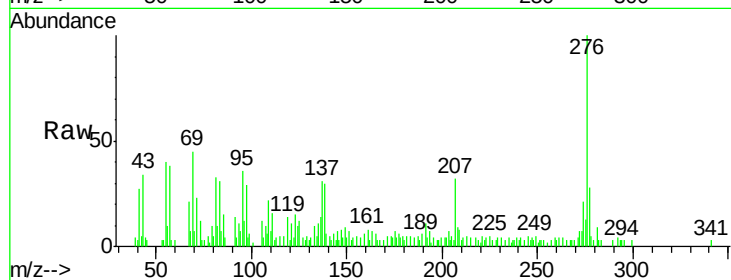
Tot Ion: 276 Resp: 26630

Ion Ratio Lower Upper

276 100

277 27.6 18.6 28.0

138 30.2 25.4 38.0



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

