

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094752.D
 Acq On : 1 May 2017 15:39
 Operator : SJ/MA
 Sample : I2929-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:37:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

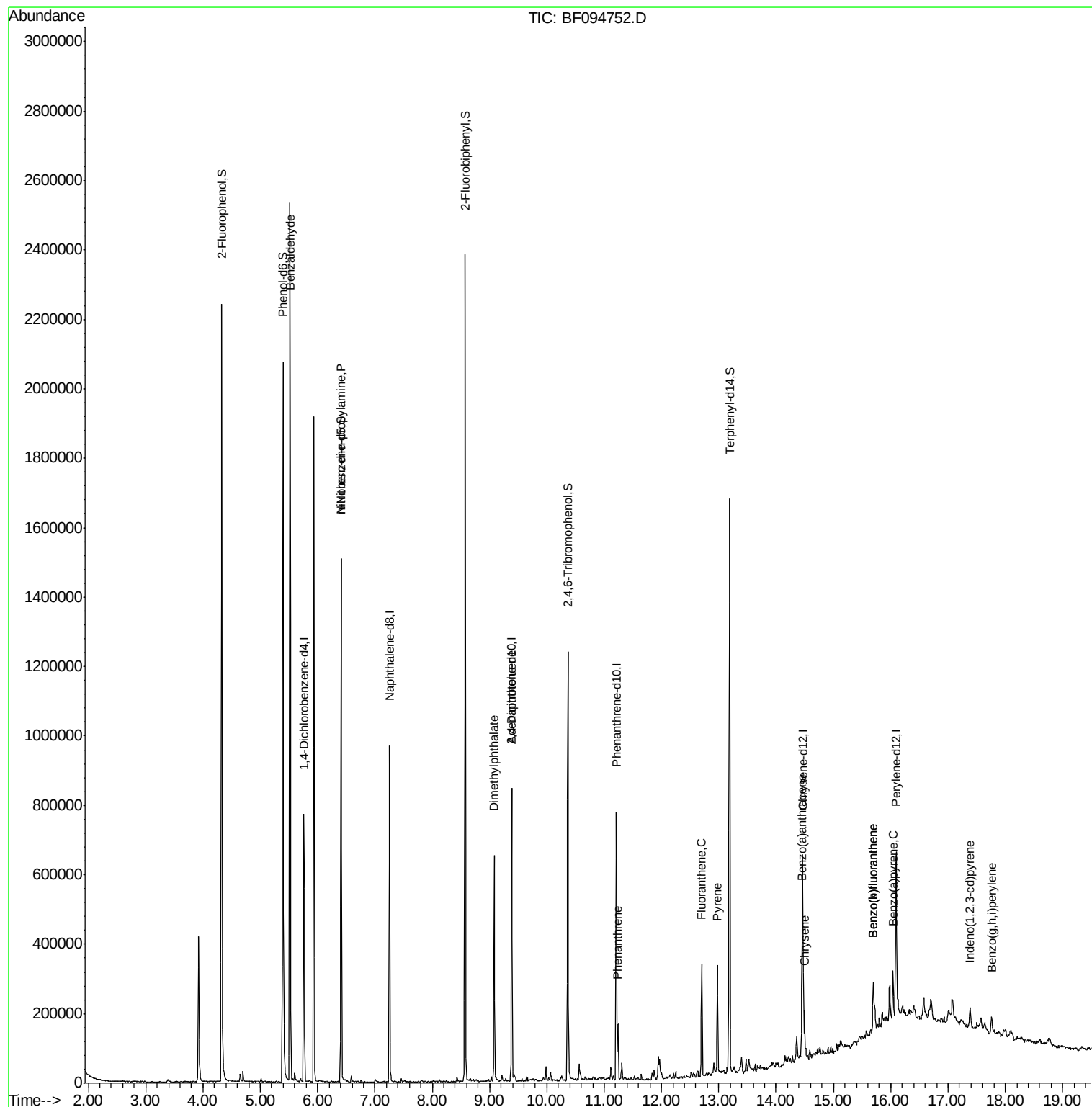
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	118670	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	450429	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	183547	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	303610	20.00	ng	0.00
75) Chrysene-d12	14.46	240	216814	20.00	ng	0.00
86) Perylene-d12	16.09	264	194498	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	685748	95.87	ng	0.02
7) Phenol-d6	5.40	99	830322	98.47	ng	0.00
23) Nitrobenzene-d5	6.41	82	501120	68.70	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	147482	102.73	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	846329	67.84	ng	0.00
78) Terphenyl-d14	13.19	244	561617	69.24	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	14635	2.28	ng	84
19) n-Nitroso-di-n-propylamine	6.41	70	66312	11.87	ng	# 76
49) Dimethylphthalate	9.08	163	312354	22.84	ng	99
56) 2,4-Dinitrotoluene	9.39	165	23724	6.30	ng	# 32
70) Phenanthrene	11.24	178	71720	4.19	ng	96
74) Fluoranthene	12.70	202	151010	8.52	ng	97
77) Pyrene	12.98	202	133384	8.81	ng	98
80) Benzo(a)anthracene	14.45	228	61295	4.86	ng	99
82) Chrysene	14.49	228	52658	4.57	ng	96
85) Indeno(1,2,3-cd)pyrene	17.38	276	32311	2.95	ng	94
87) Benzo(b)fluoranthene	15.69	252	97462	8.19	ng	# 93
88) Benzo(k)fluoranthene	15.69	252	97462	8.66	ng	97
89) Benzo(a)pyrene	16.04	252	54432	4.92	ng	92
91) Benzo(a,h,i)perylene	17.76	276	32040	3.42	ng	96

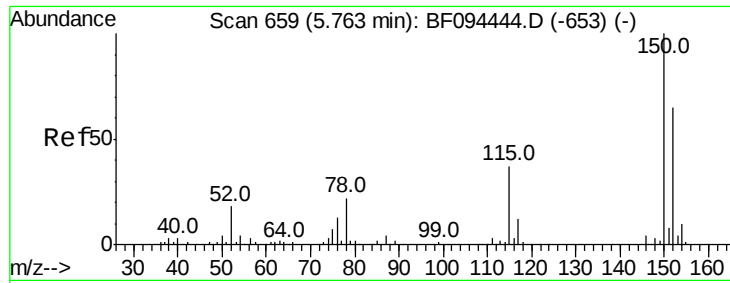
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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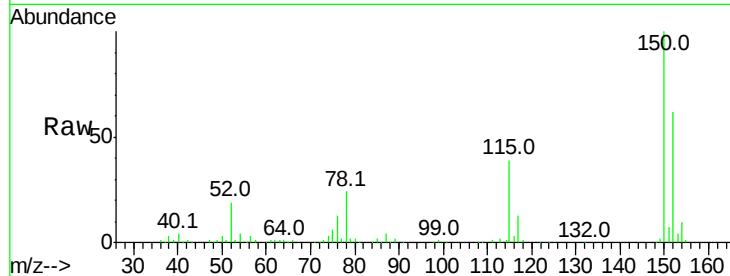


#1

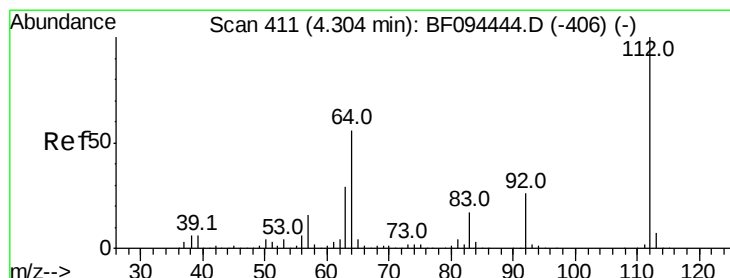
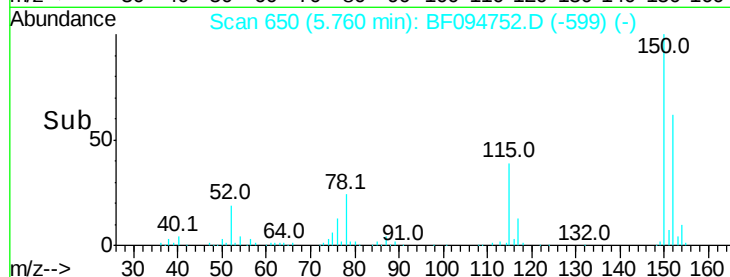
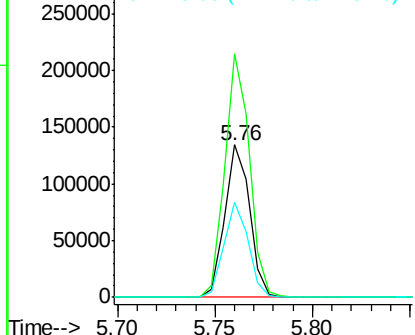
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118670
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 62.8 52.2 78.2



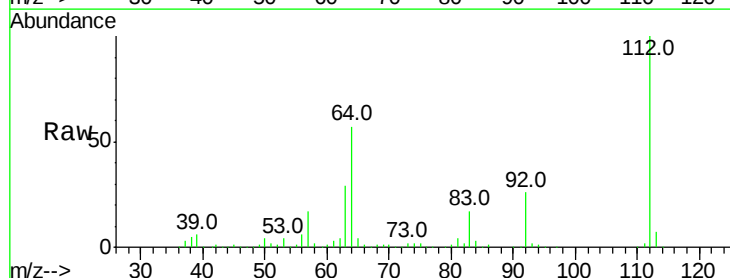
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



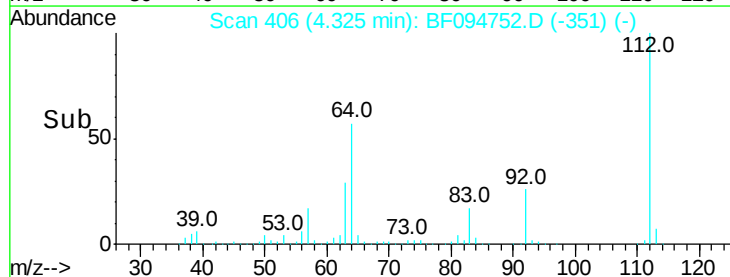
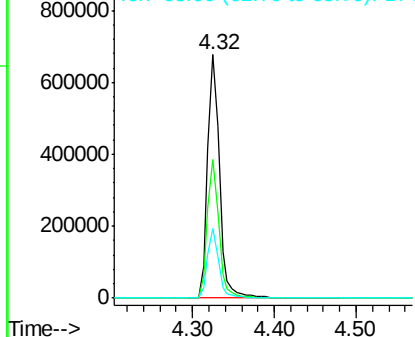
#5

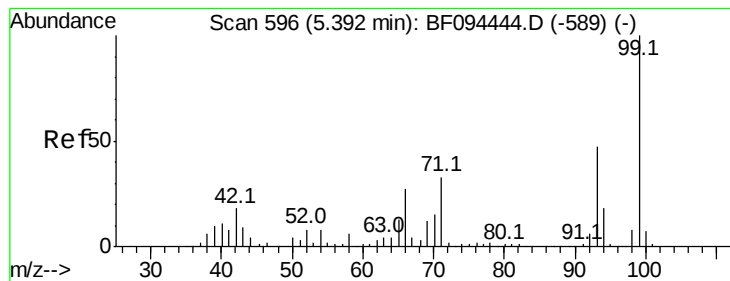
2-Fluorophenol
Concen: 95.87 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Tgt Ion:112 Resp: 685748
Ion Ratio Lower Upper
112 100
64 57.1 46.0 69.0
63 28.8 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: 98.47 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampled :

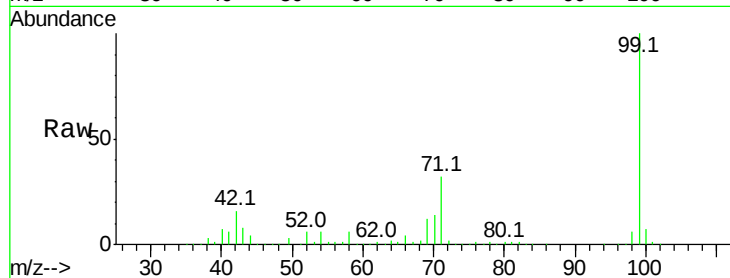
Tot Ion: 99 Resp: 830322

Ion Ratio Lower Upper

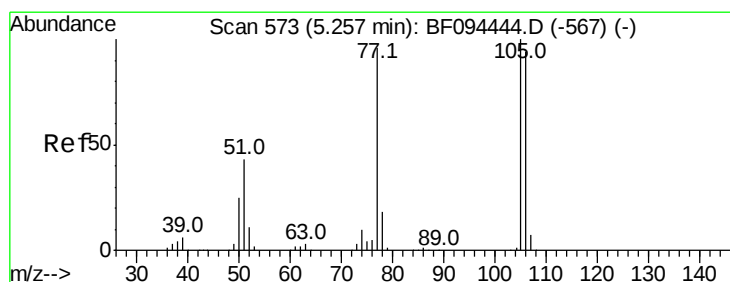
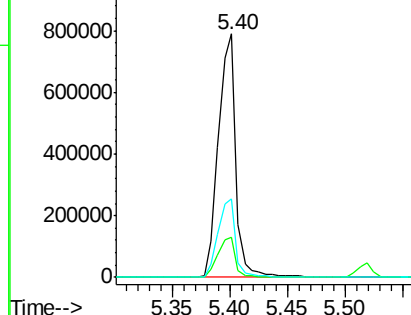
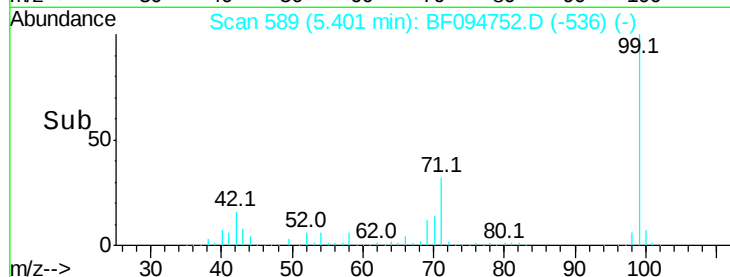
99 100

42 16.3 13.5 20.3

71 32.1 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



#9

Benzaldehyde

Concen: 2.28 ng

RT: 5.52 min Scan# 609

Delta R.T. 0.26 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

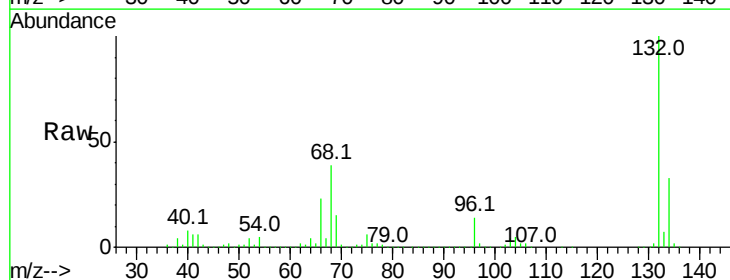
Tgt Ion: 77 Resp: 14635

Ion Ratio Lower Upper

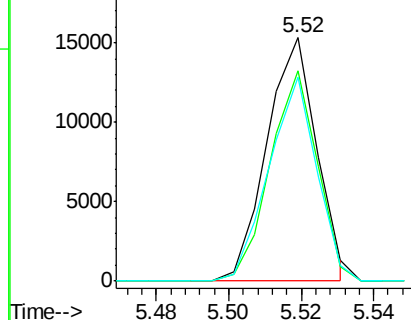
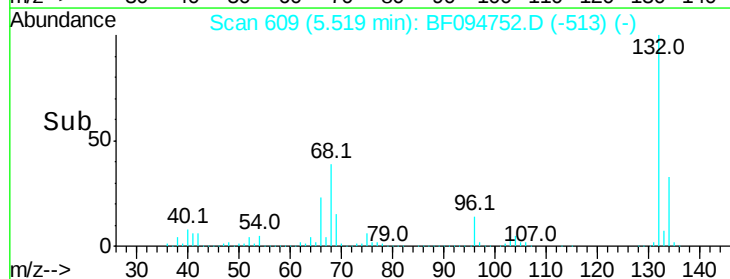
77 100

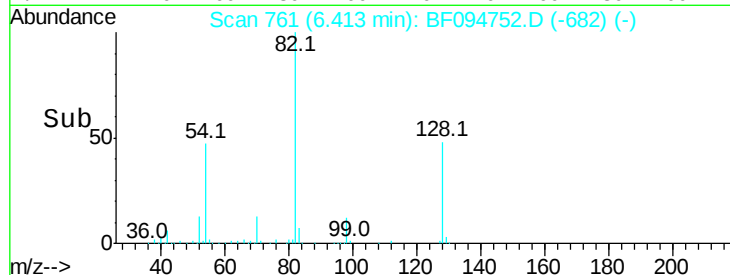
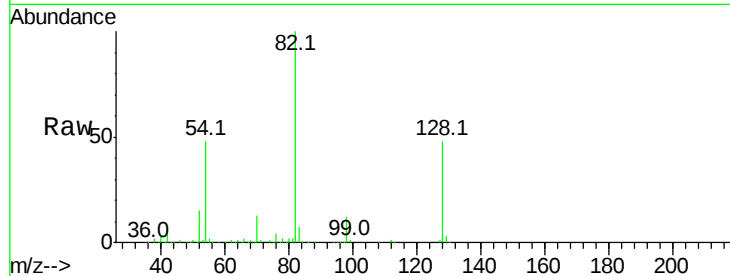
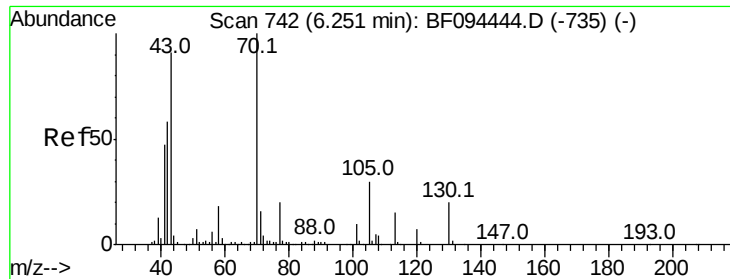
105 86.6 83.8 123.8

106 83.8 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

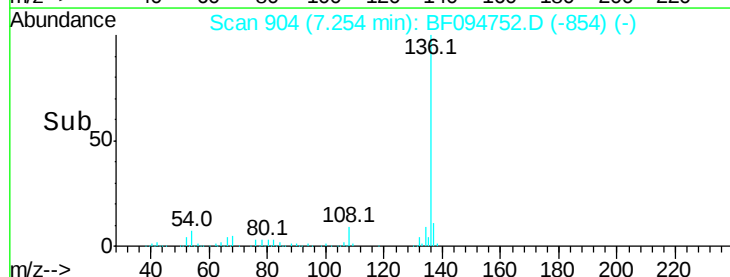
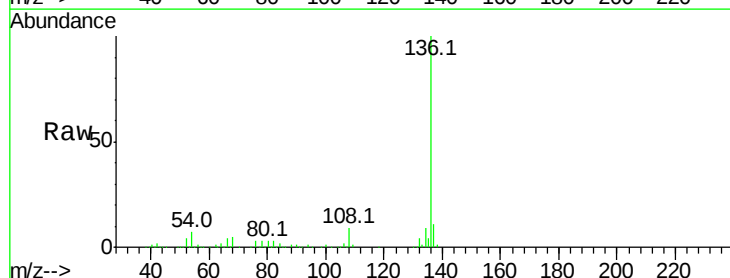
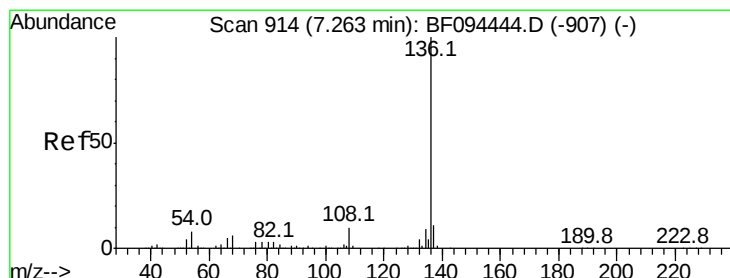
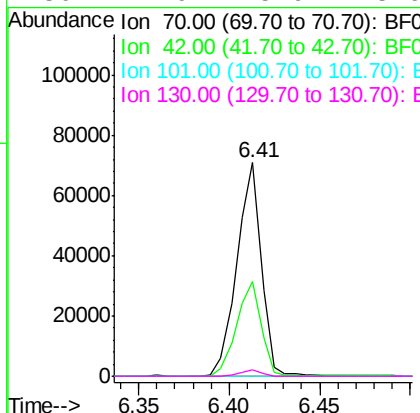




#19
n-Nitroso-di-n-propylamine
Concen: 11.87 ng
RT: 6.41 min Scan# 761
Delta R.T. 0.16 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

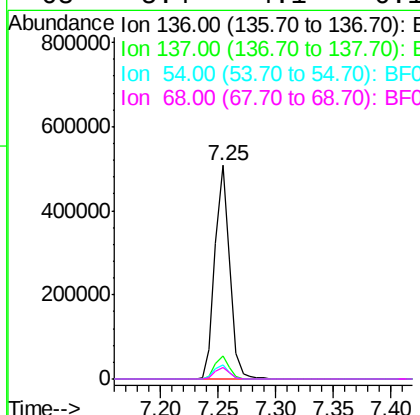
Instrument :
BNA_F
ClientSampled :

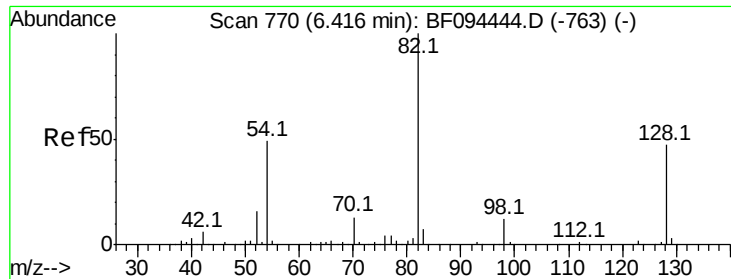
Tot Ion: 70 Resp: 66312
Ion Ratio Lower Upper
70 100
42 44.4 47.2 70.8#
101 0.0 7.2 10.8#
130 2.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Tgt Ion:136 Resp: 450429
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.7 4.9 7.3
68 5.4 4.1 6.1

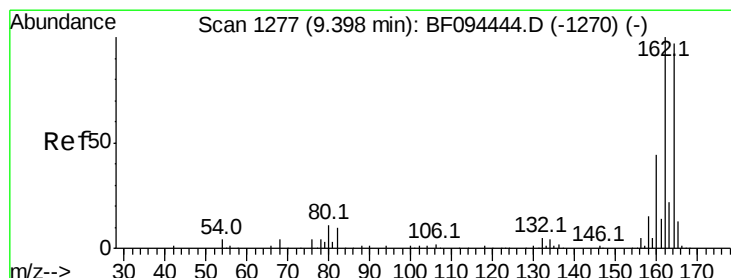
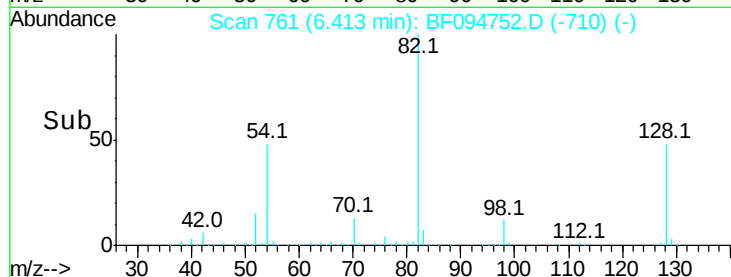
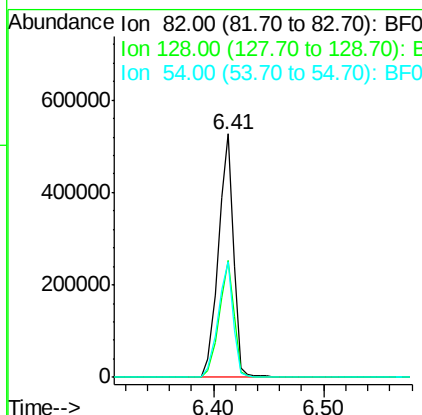
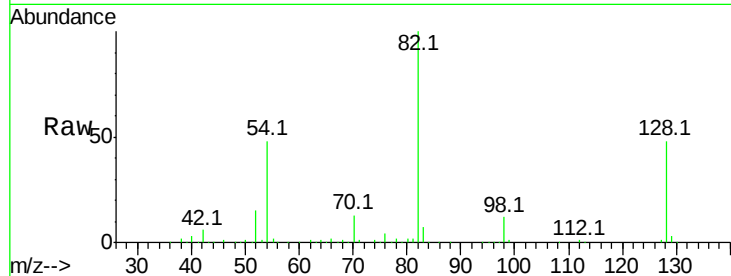




#23
 Nitrobenzene-d5
 Concen: 68.70 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

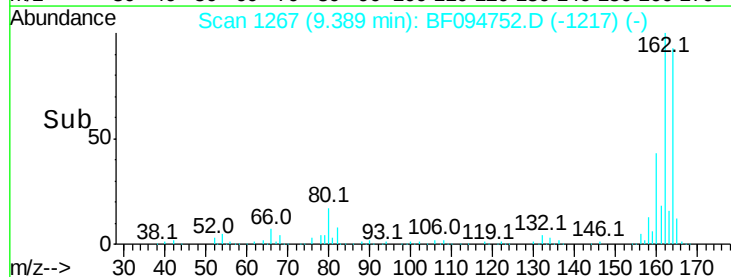
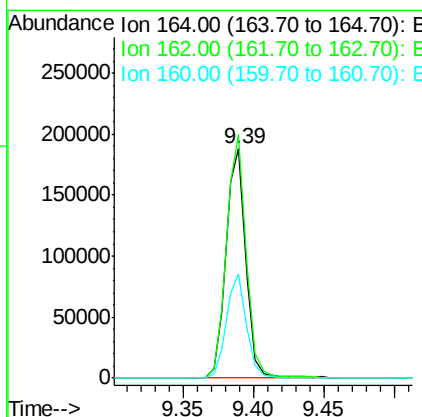
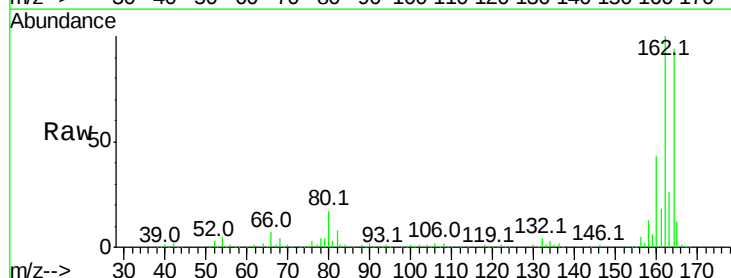
Instrument :
 BNA_F
 ClientSampleId :

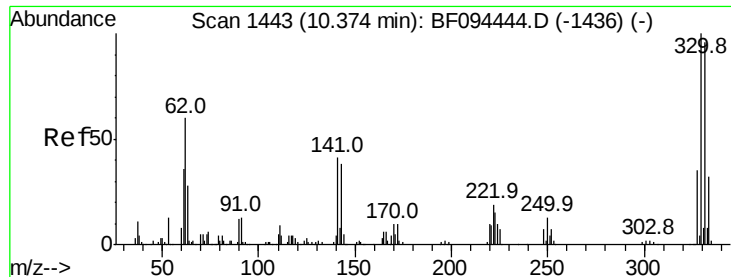
Tot Ion	82	Resp	501120
Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	47.7	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion	164	Resp	183547
Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.6	123.8
160	45.4	36.2	54.2

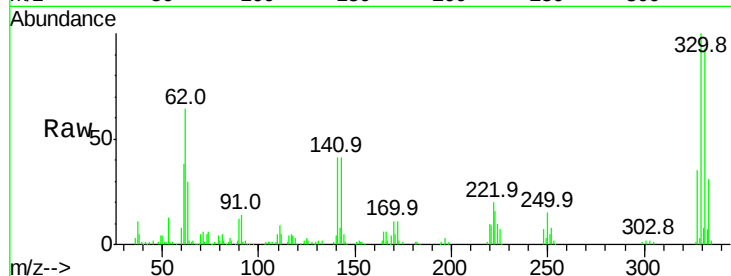




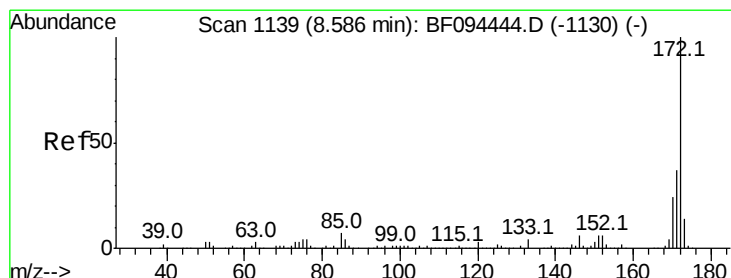
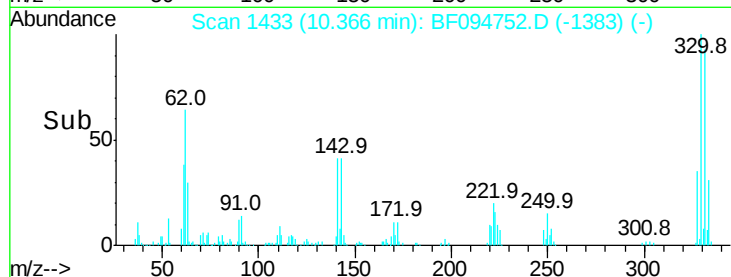
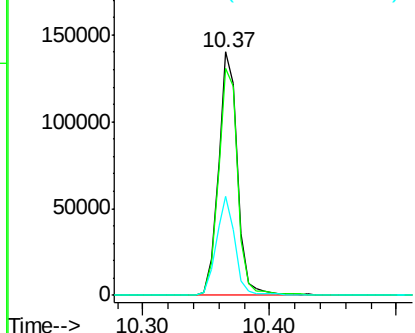
#41
 2,4,6-Tribromophenol
 Concen: 102.73 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 147482
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 40.1 31.4 47.2

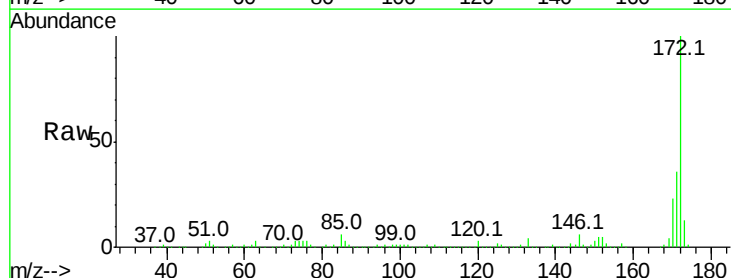


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

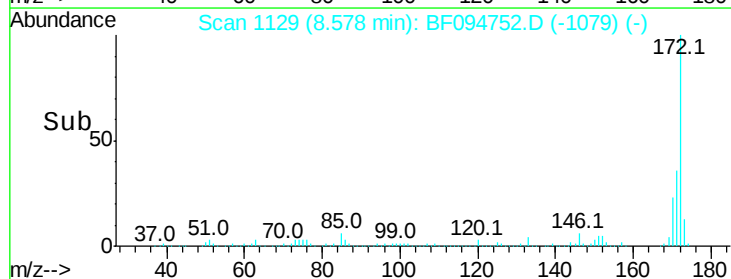
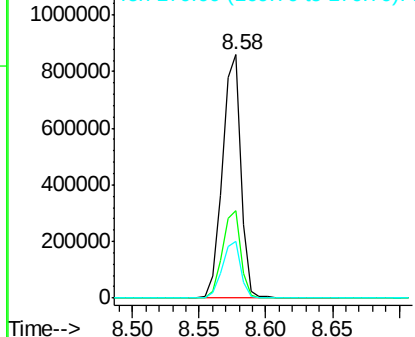


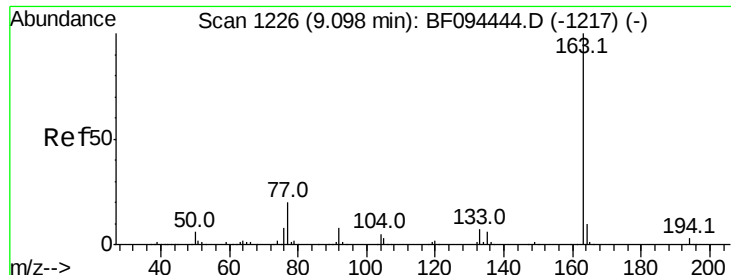
#44
 2-Fluorobiphenyl
 Concen: 67.84 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion:172 Resp: 846329
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.3 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

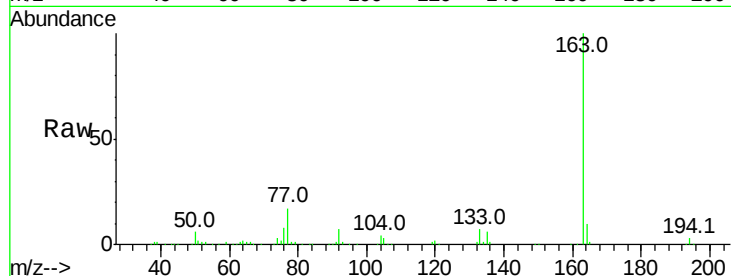




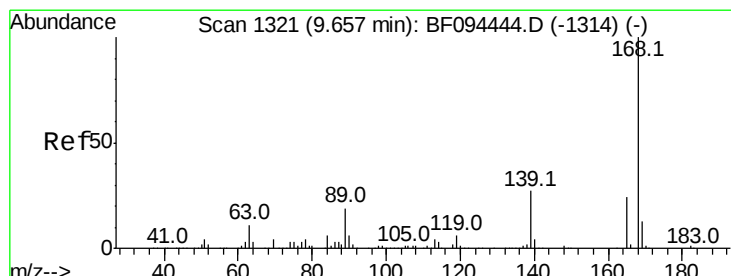
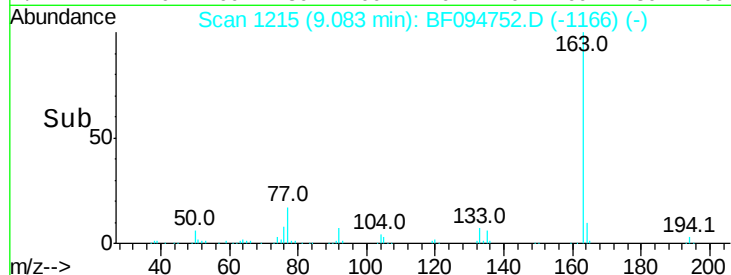
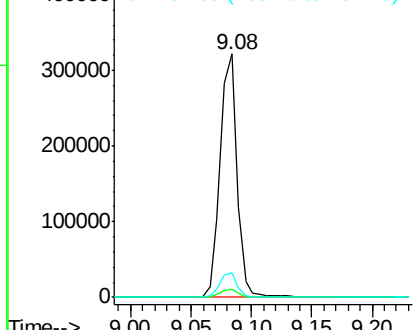
#49
Dimethylphthalate
Concen: 22.84 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 312354
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6

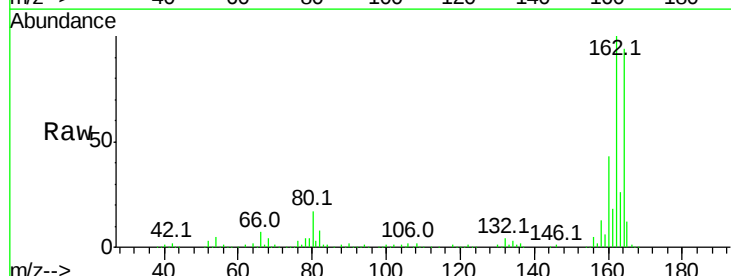


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

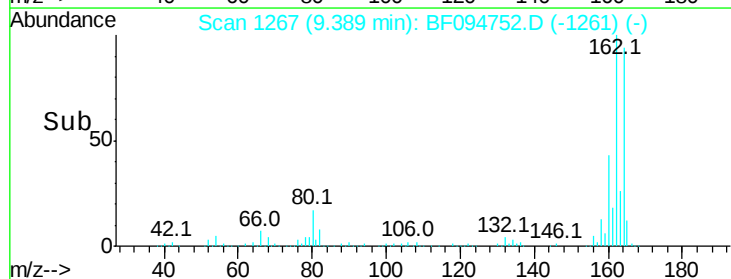
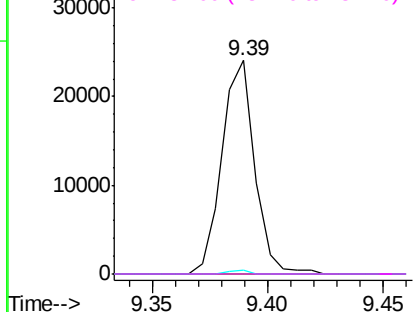


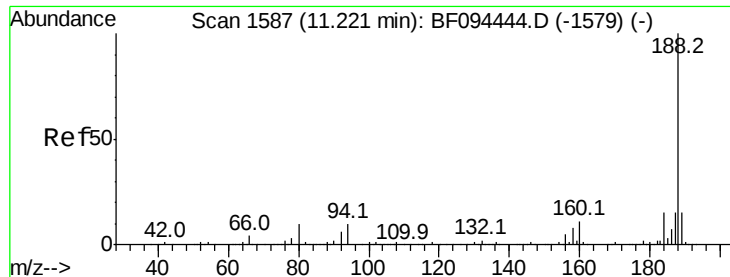
#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.27 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Tgt Ion:165 Resp: 23724
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 1.7 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

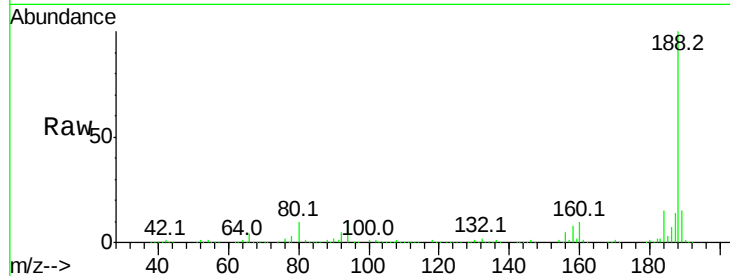




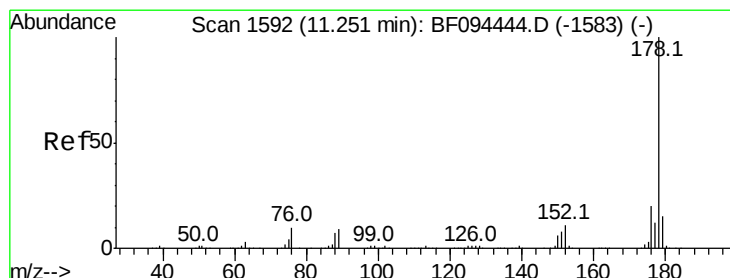
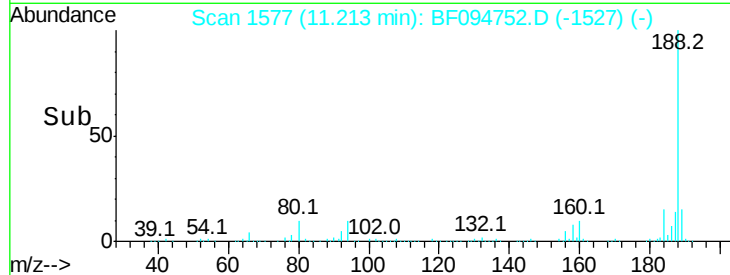
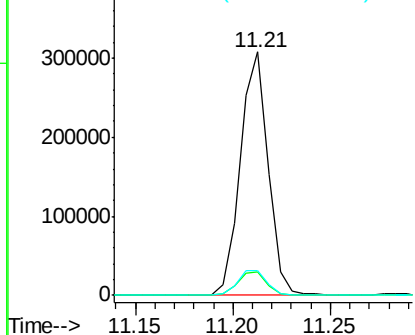
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 303610
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 10.1 10.2 15.2#

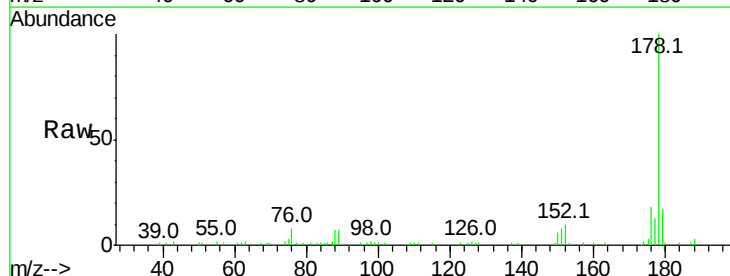


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

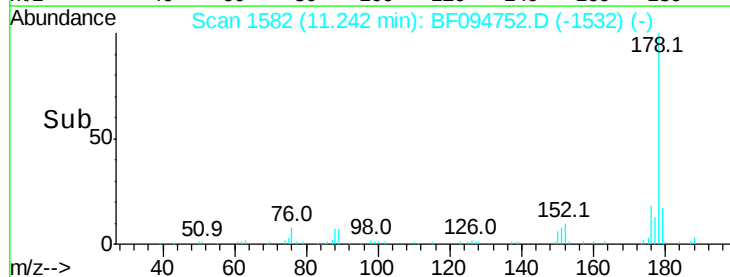
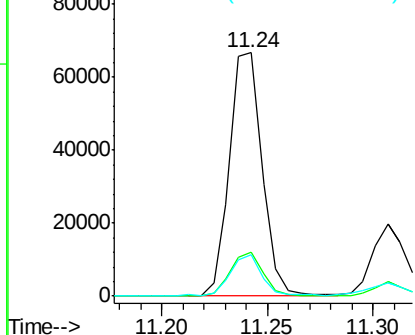


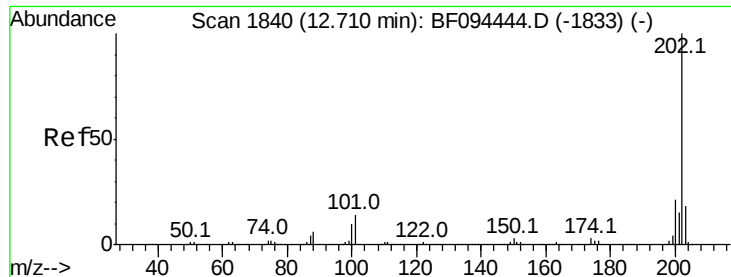
#70
Phenanthrene
Concen: 4.19 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Tgt Ion:178 Resp: 71720
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 16.9 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

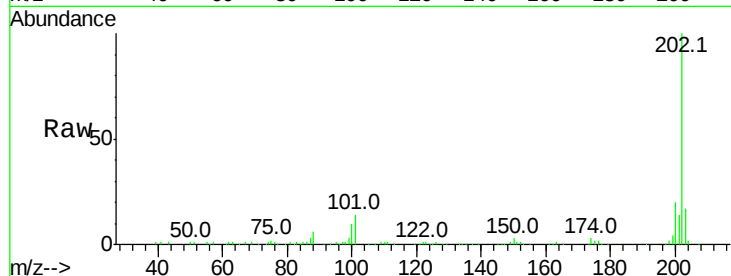




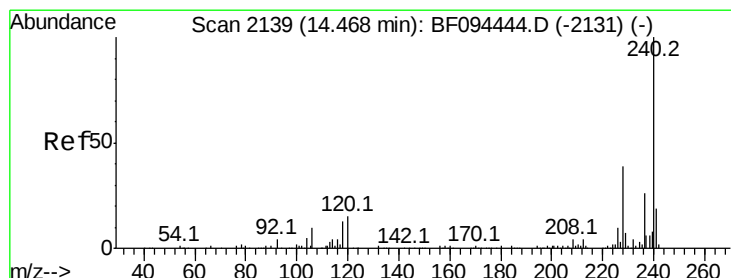
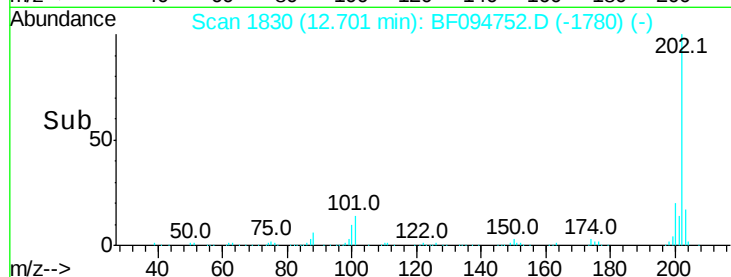
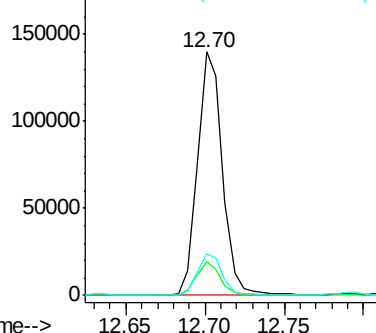
#74
 Fluoranthene
 Concen: 8.52 ng
 RT: 12.70 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	16.8	0.0	38.1

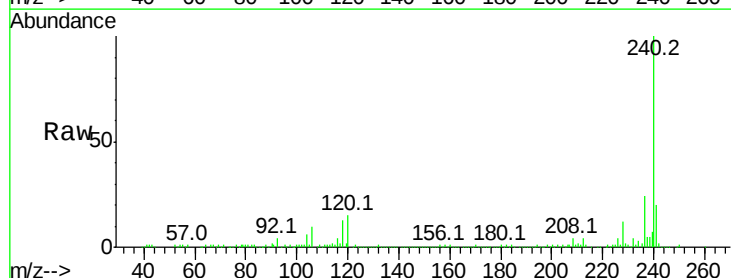


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

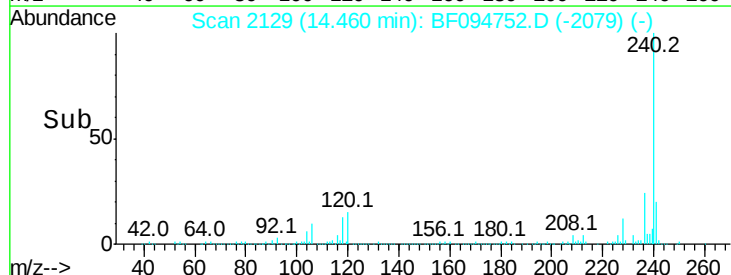
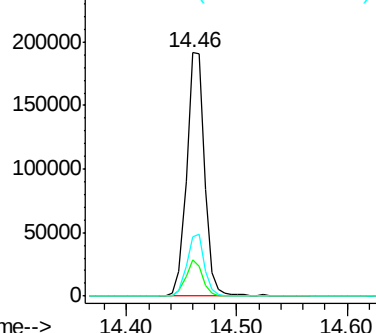


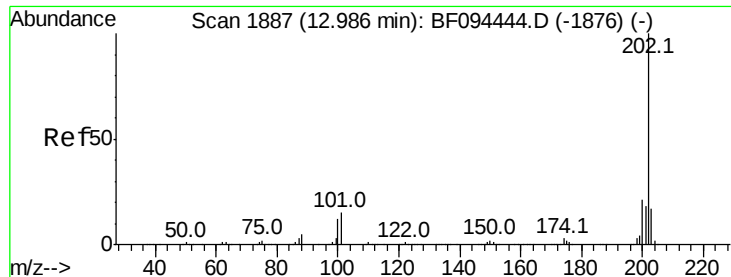
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.46 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	24.3	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

Pvrene

Concen: 8.81 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

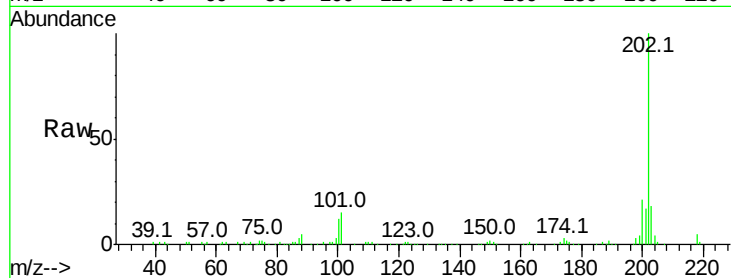
Tot Ion:202 Resp: 133384

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

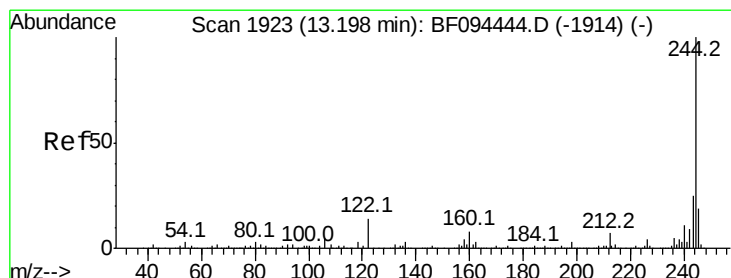
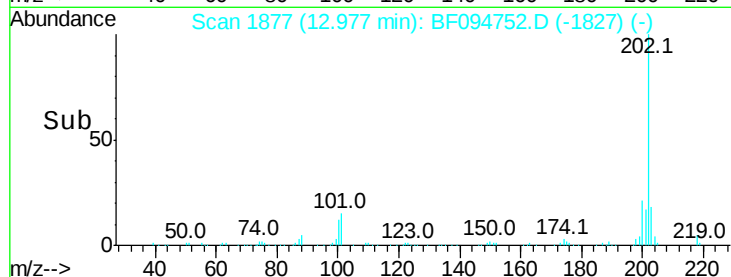
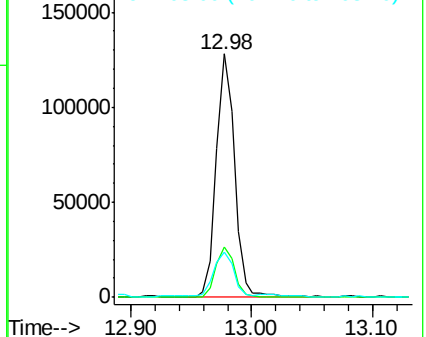
203 18.5 14.4 21.6



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: 69.24 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

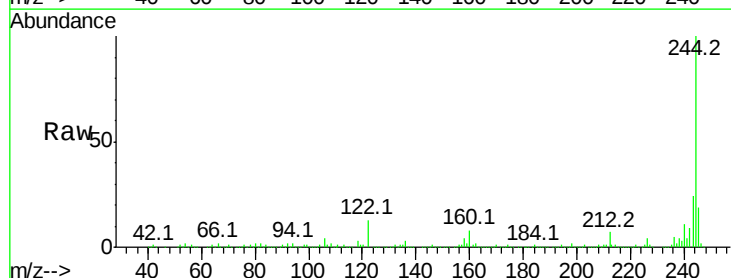
Tgt Ion:244 Resp: 561617

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

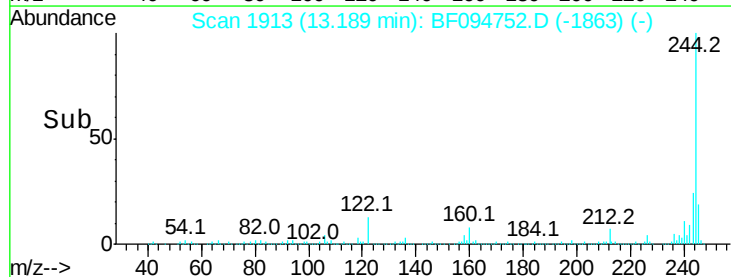
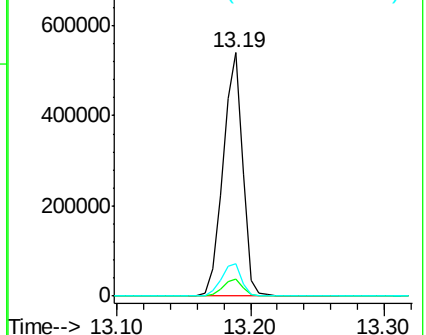
122 13.4 10.3 15.5

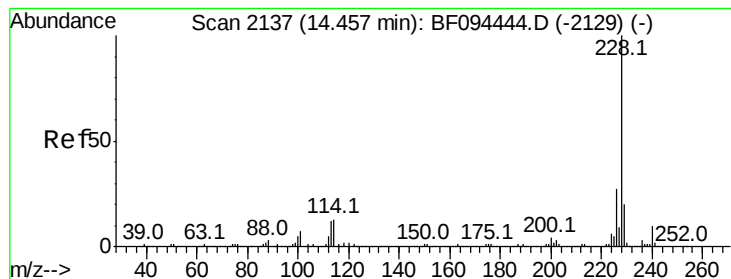


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.86 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

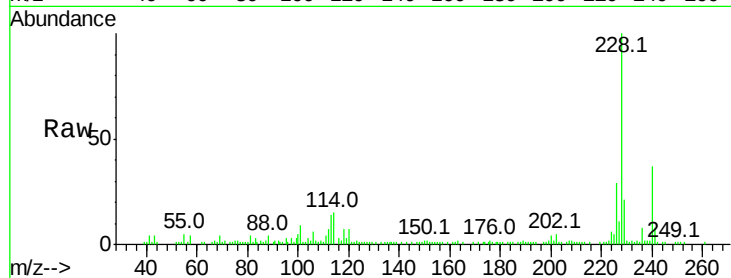
Tot Ion:228 Resp: 61295

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

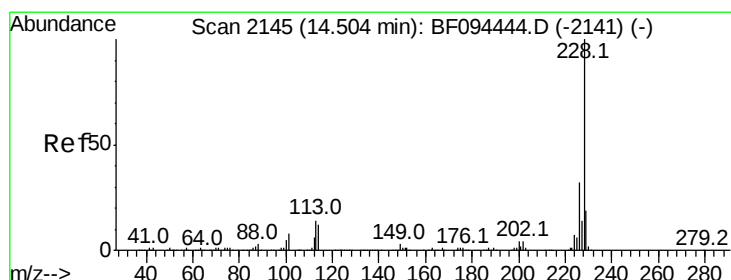
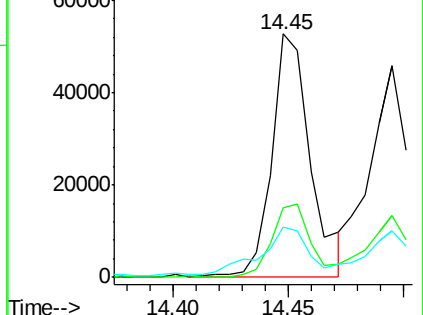
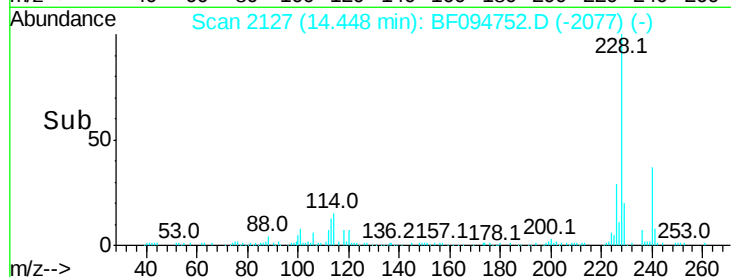
229 20.5 16.3 24.5



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: 4.57 ng

RT: 14.49 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

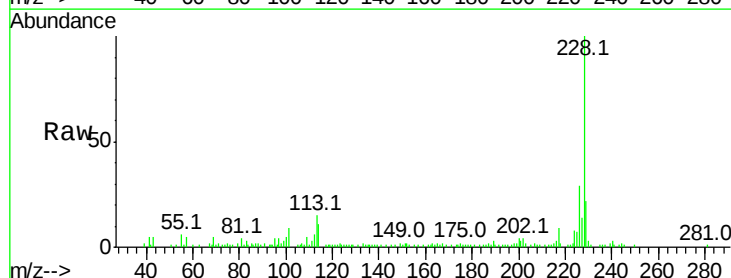
Tgt Ion:228 Resp: 52658

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

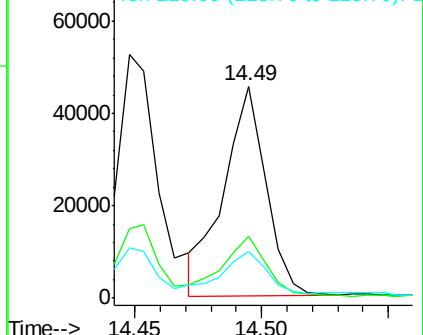
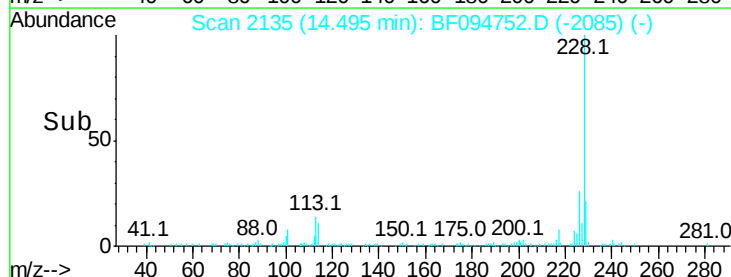
229 21.8 15.8 23.6

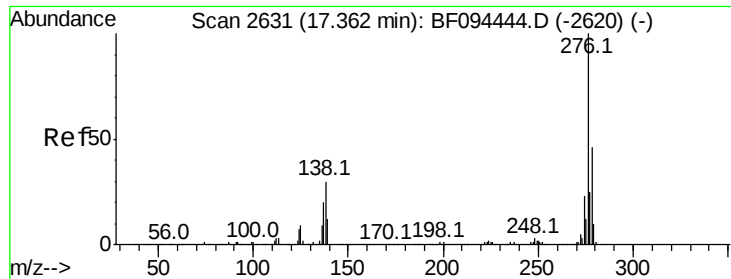


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.95 ng

RT: 17.38 min Scan# 2626

Delta R.T. 0.02 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

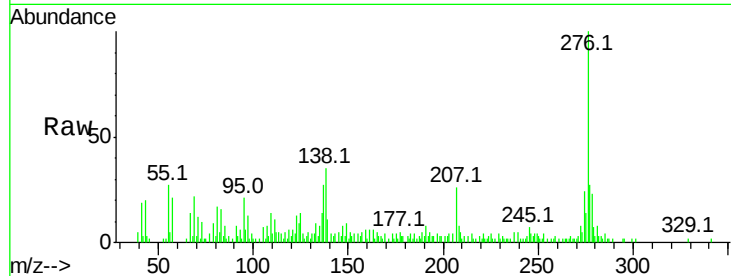
Tot Ion:276 Resp: 32311

Ion Ratio Lower Upper

276 100

138 31.1 27.8 41.6

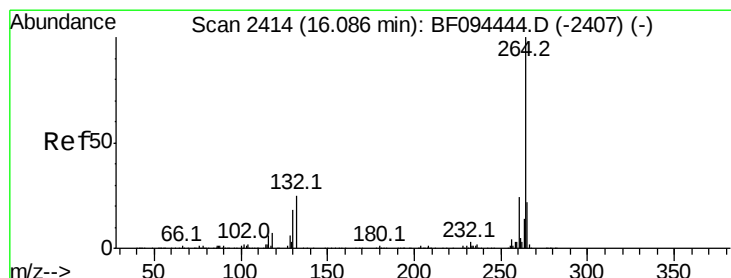
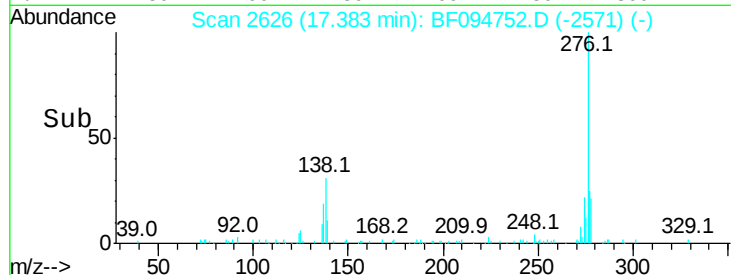
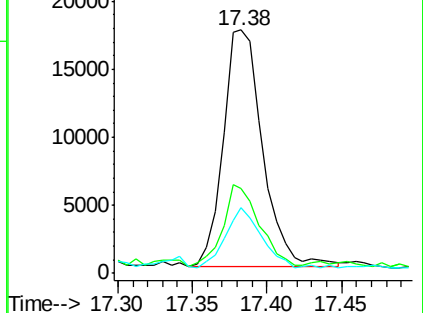
277 22.9 20.2 30.4



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

Perylene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

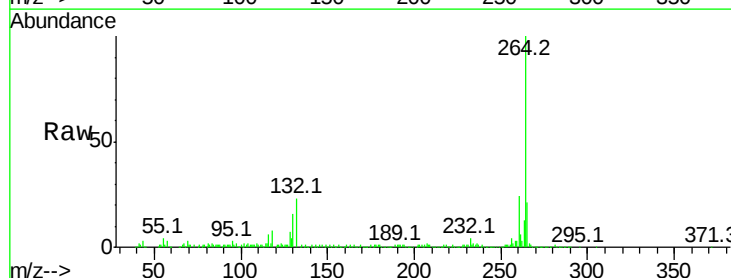
Tgt Ion:264 Resp: 194498

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

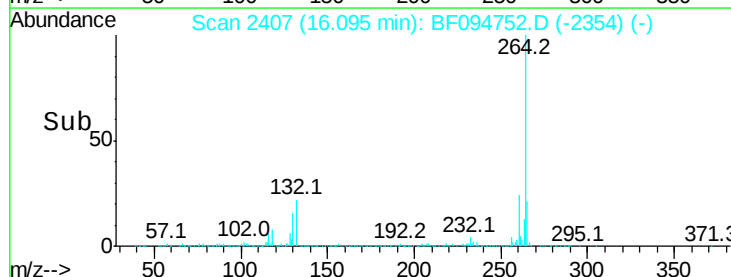
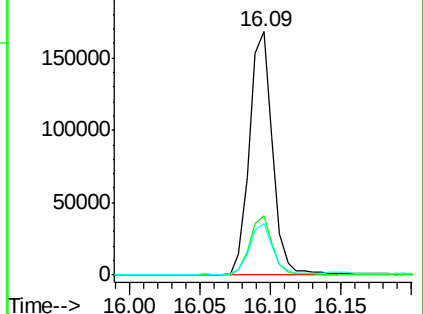
265 21.3 17.2 25.8

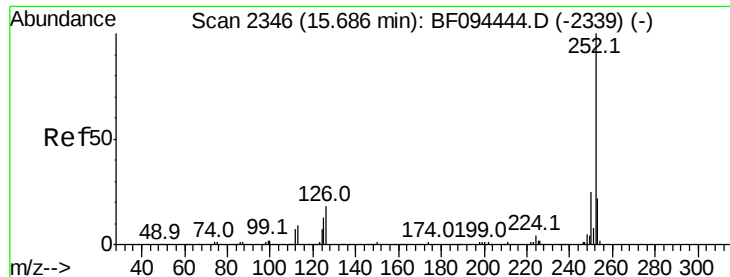


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.19 ng

RT: 15.69 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

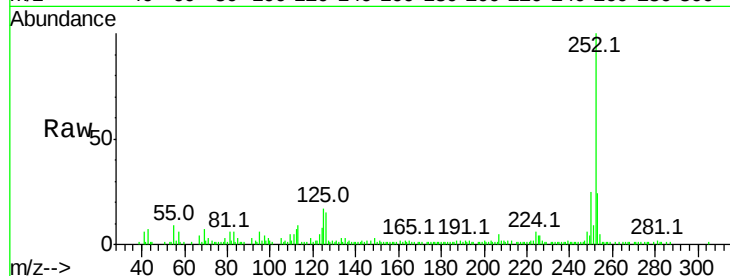
Tot Ion:252 Resp: 97462

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

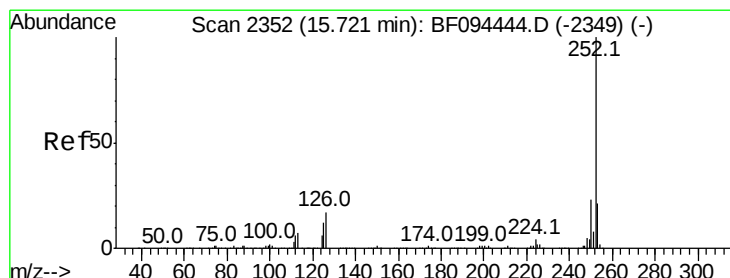
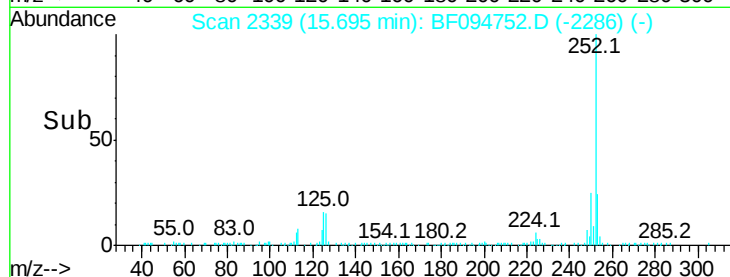
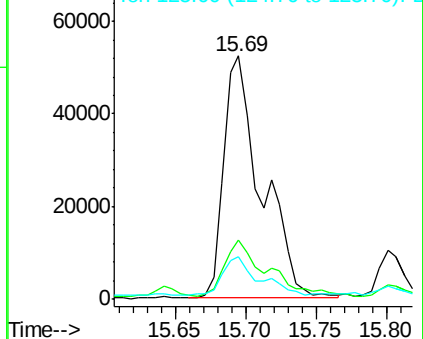
125 17.5 9.8 14.8#



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: 8.66 ng

RT: 15.69 min Scan# 2339

Delta R.T. -0.03 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

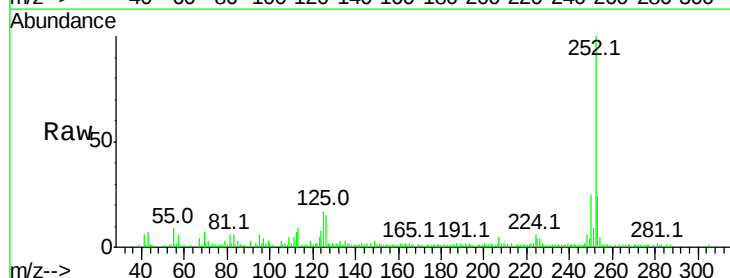
Tgt Ion:252 Resp: 97462

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

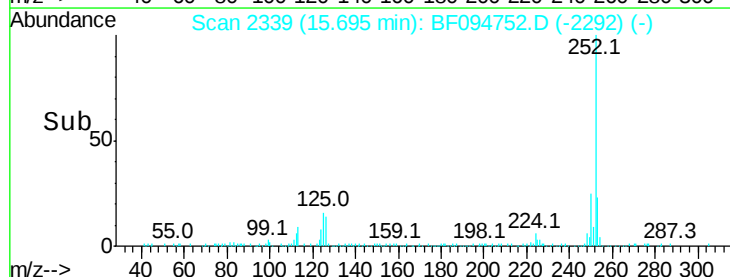
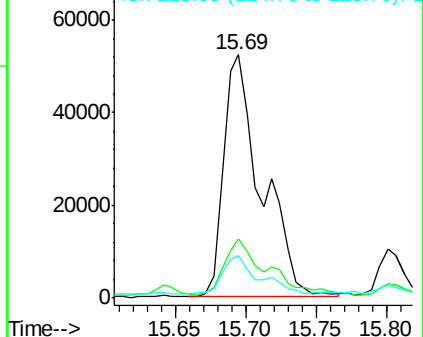
125 17.5 13.1 19.7

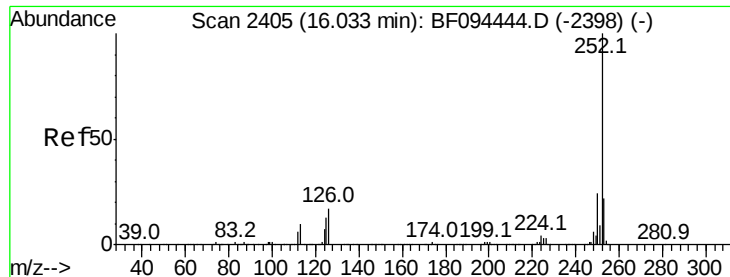


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.92 ng

RT: 16.04 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

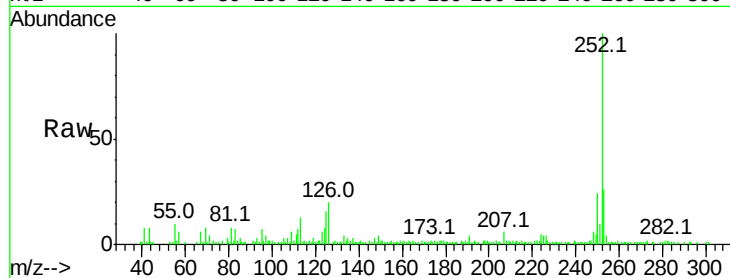
Tot Ion:252 Resp: 54432

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

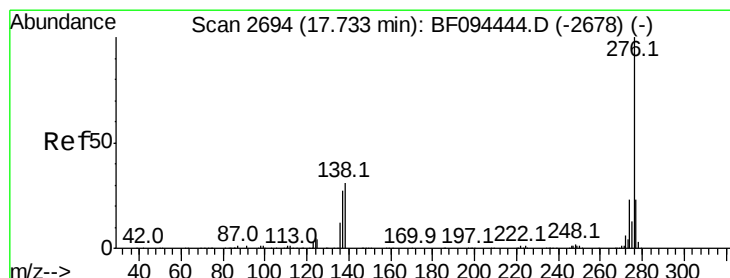
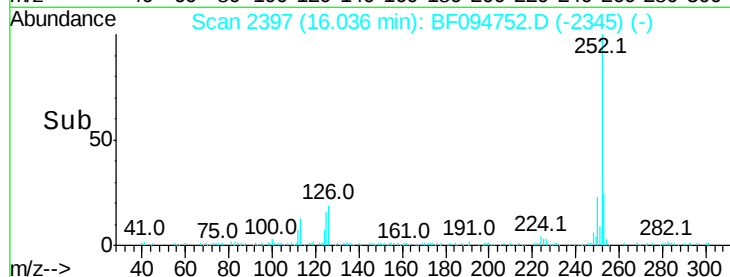
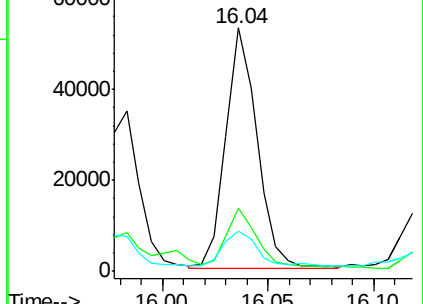
125 16.3 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 3.42 ng

RT: 17.76 min Scan# 2690

Delta R.T. 0.03 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

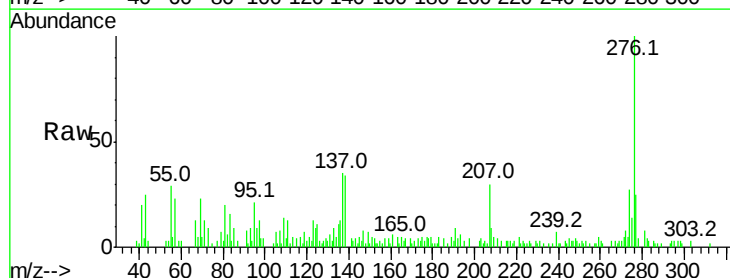
Tgt Ion:276 Resp: 32040

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 34.2 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

