

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094659.D
 Acq On : 26 Apr 2017 20:50
 Operator : SJ/MA
 Sample : I2813-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:25:54 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

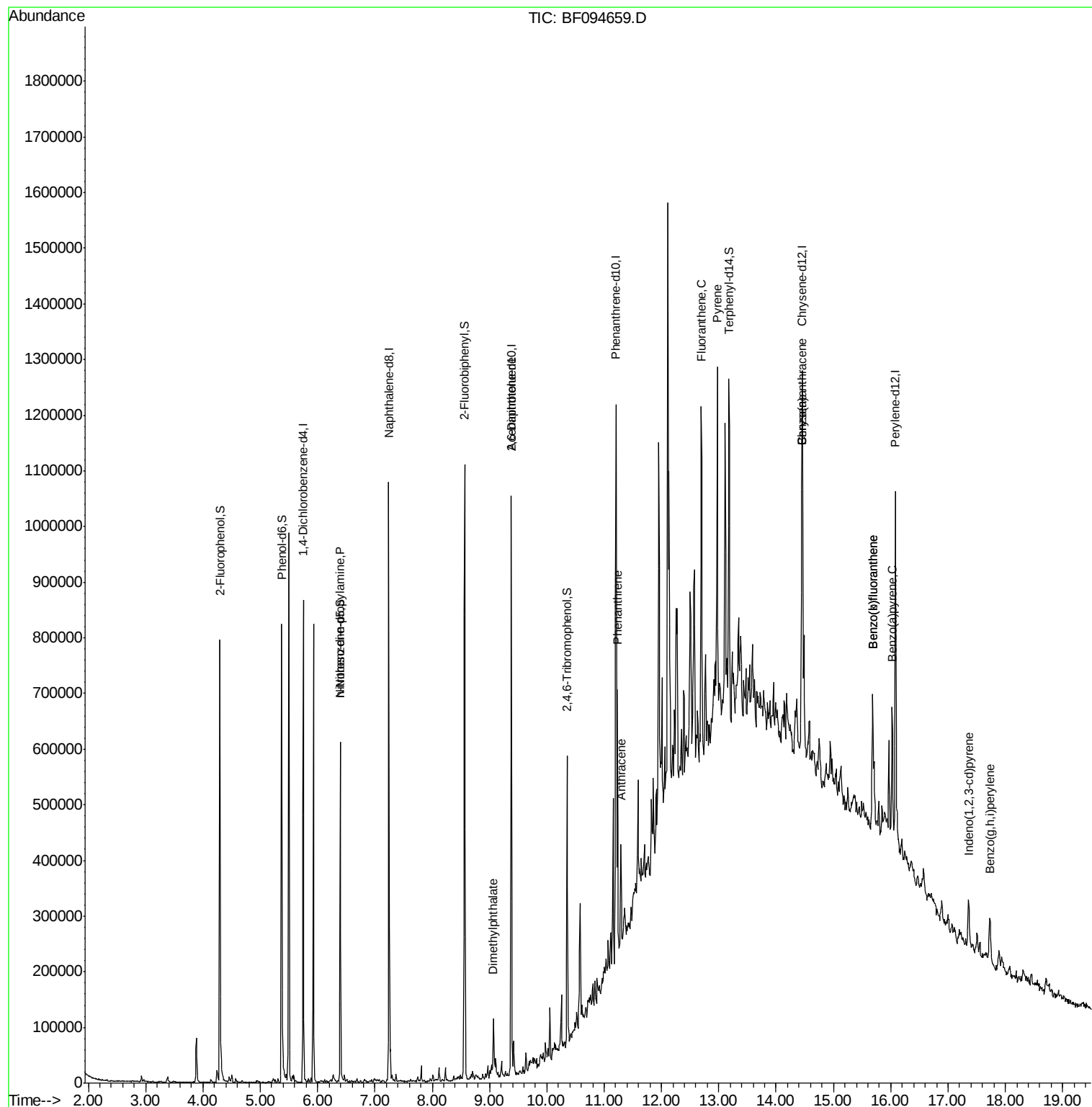
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	129693	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	535025	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	229116	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	378581	20.00	ng	-0.02
75) Chrysene-d12	14.46	240	270746	20.00	ng	0.00
86) Perylene-d12	16.08	264	247480	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	269145	34.43	ng	0.00
7) Phenol-d6	5.37	99	340511	36.95	ng	-0.02
23) Nitrobenzene-d5	6.40	82	201766	23.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	57658	32.17	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	350668	22.52	ng	-0.02
78) Terphenyl-d14	13.18	244	202753	20.02	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.40	70	25278	4.14	ng	# 80
49) Dimethylphthalate	9.07	163	40701	2.38	ng	98
50) 2,6-Dinitrotoluene	9.38	165	29075	7.59	ng	# 33
70) Phenanthrene	11.23	178	187878	8.81	ng	97
71) Anthracene	11.30	178	56282	2.55	ng	96
74) Fluoranthene	12.70	202	268498	12.15	ng	99
77) Pyrene	12.97	202	278916	14.75	ng	98
80) Benzo(a)anthracene	14.44	228	107842	6.85	ng	96
82) Chrysene	14.44	228	107842	7.50	ng	96
85) Indeno(1,2,3-cd)pyrene	17.36	276	52305	3.82	ng	95
87) Benzo(b)fluoranthene	15.68	252	155131	10.25	ng	# 93
88) Benzo(k)fluoranthene	15.68	252	155131	10.83	ng	96
89) Benzo(a)pyrene	16.02	252	98795	7.01	ng	# 93
91) Benzo(a,h,i)perylene	17.73	276	54352	4.56	ng	95

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

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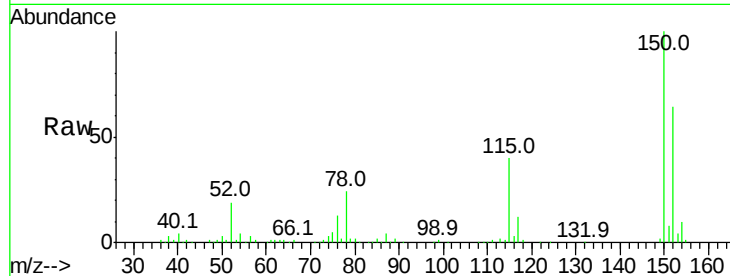


#1

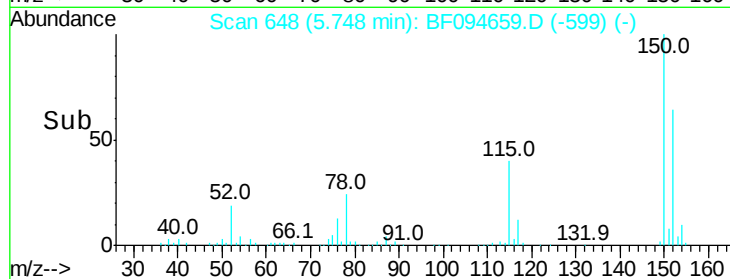
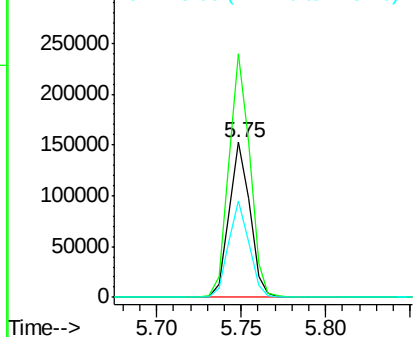
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 129693
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 62.7 52.2 78.2



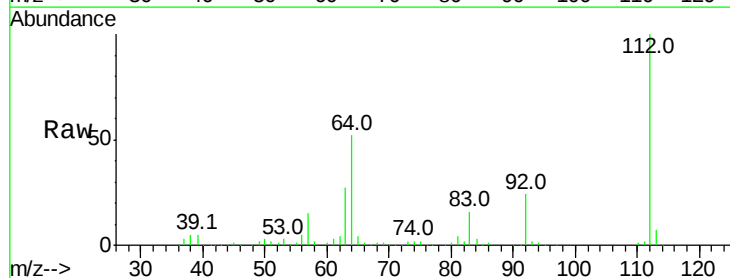
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



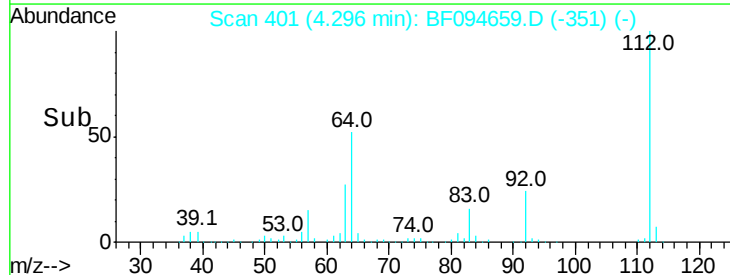
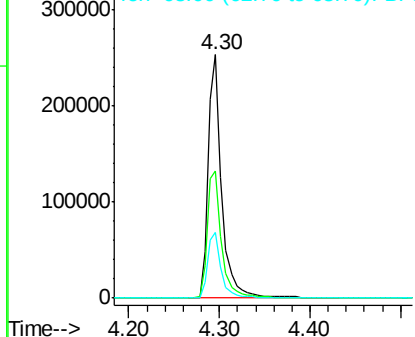
#5

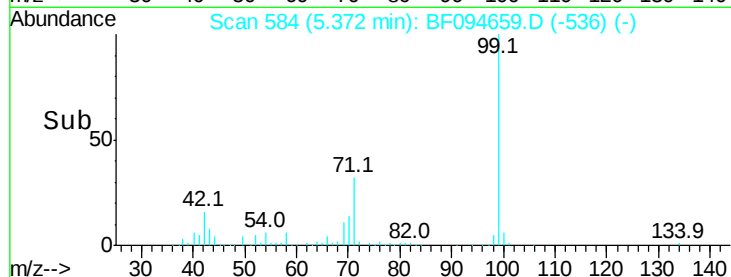
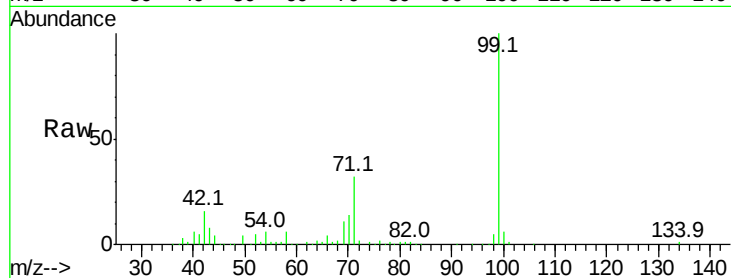
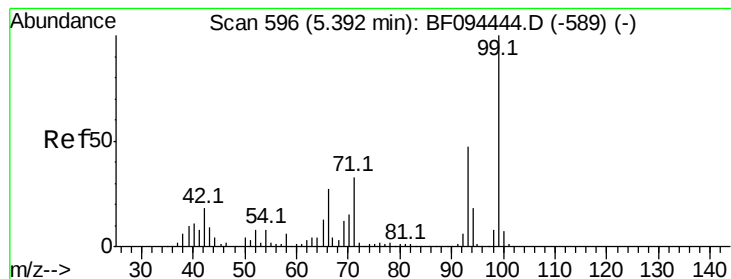
2-Fluorophenol
Concen: 34.43 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

Tgt Ion:112 Resp: 269145
Ion Ratio Lower Upper
112 100
64 52.0 46.0 69.0
63 26.8 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: 36.95 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Instrument :

BNA_F

ClientSampleId :

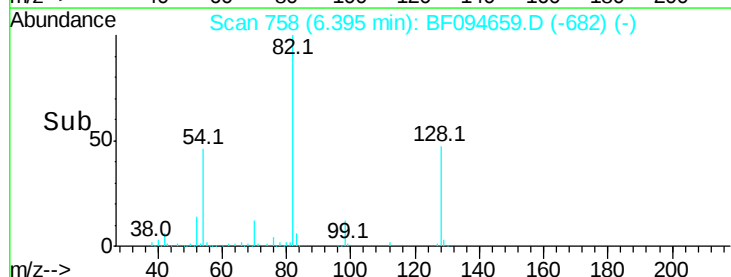
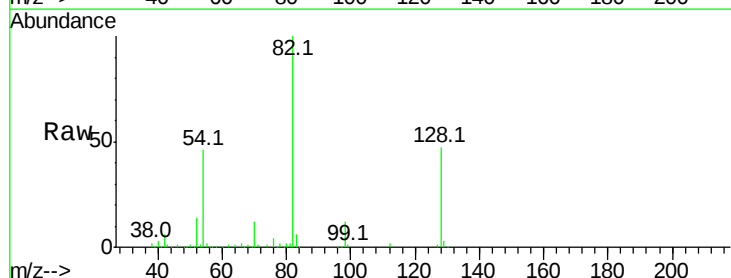
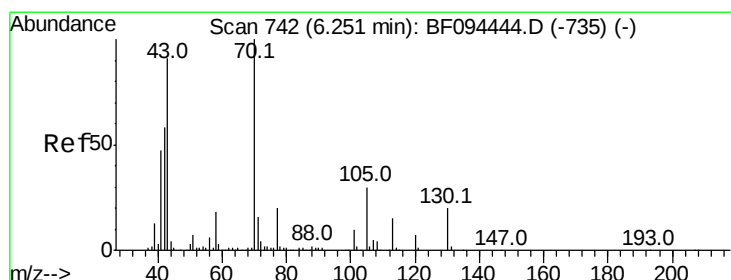
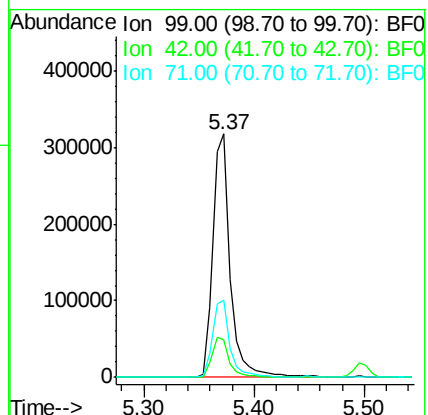
Tot Ion: 99 Resp: 340511

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 4.14 ng

RT: 6.40 min Scan# 758

Delta R.T. 0.14 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Tgt Ion: 70 Resp: 25278

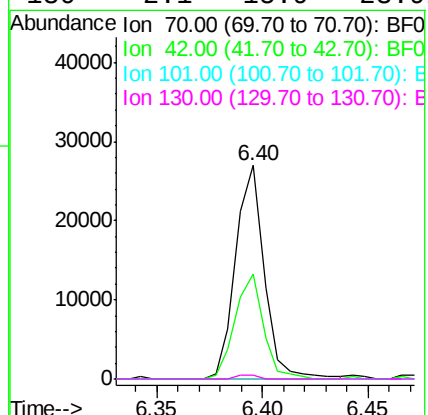
Ion Ratio Lower Upper

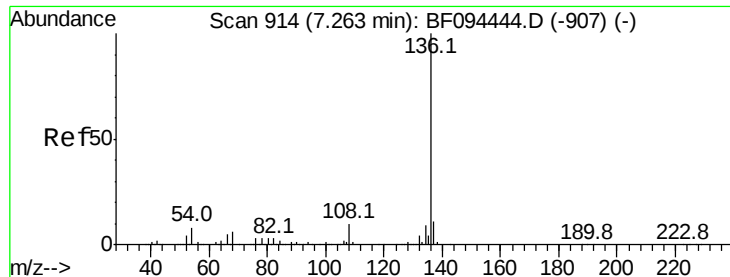
70 100

42 49.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.24 min Scan# 902

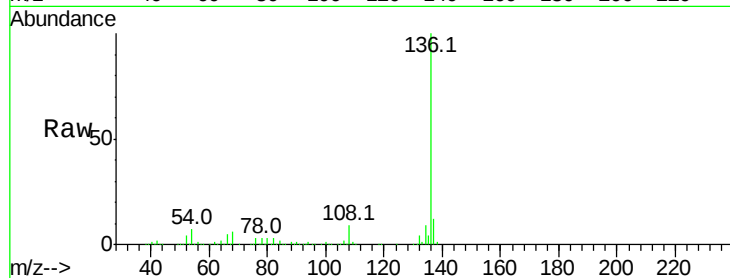
Delta R.T. -0.02 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	535025
Ion Ratio	Lower	Upper
136	100	
137	11.7	8.5 12.7
54	7.3	4.9 7.3#
68	5.9	4.1 6.1

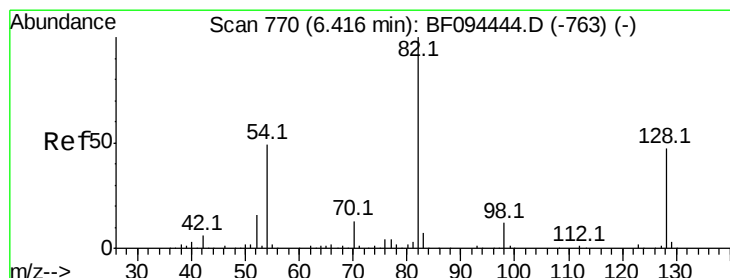
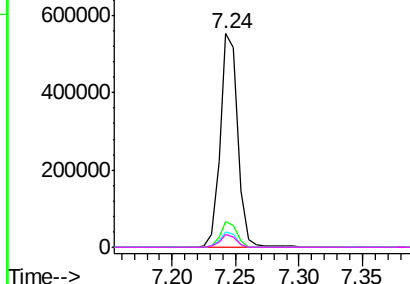
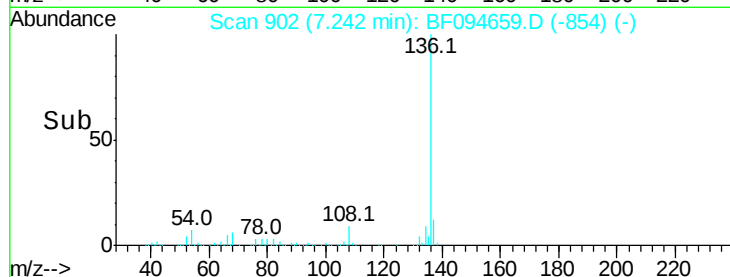


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 23.29 ng

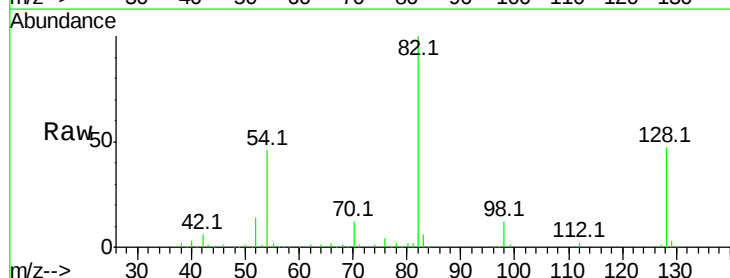
RT: 6.40 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

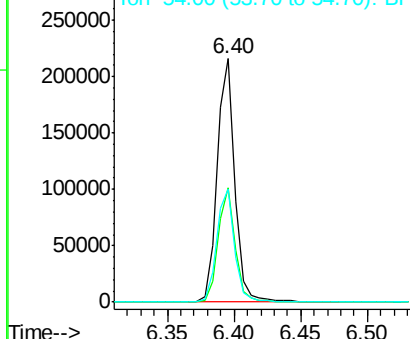
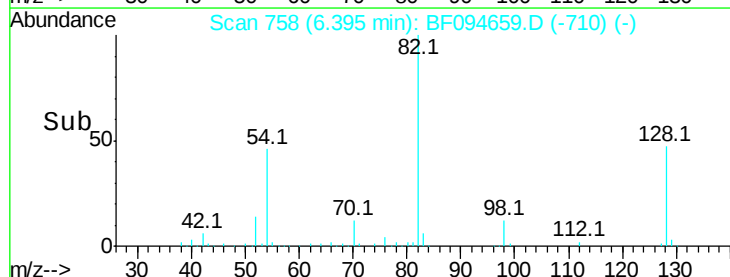
Tgt Ion: 82	Resp:	201766
Ion Ratio	Lower	Upper
82	100	
128	47.2	34.0 51.0
54	46.3	42.2 63.2

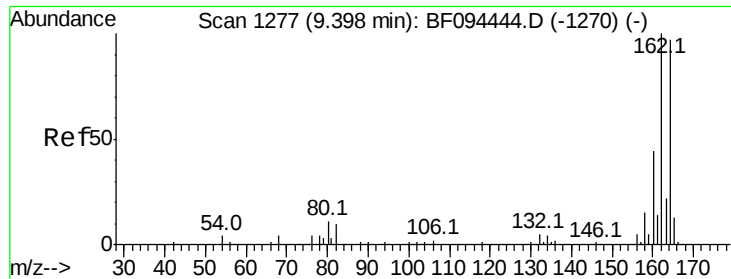


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

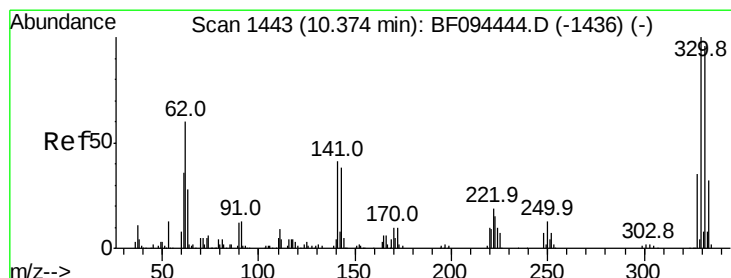
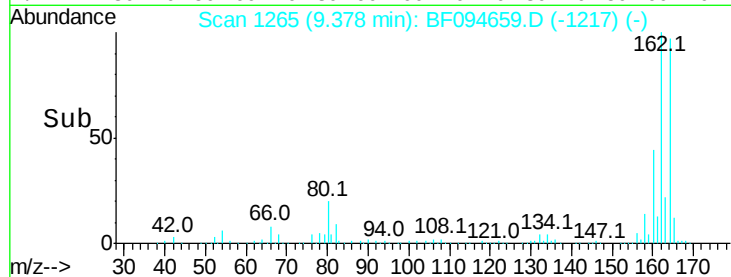
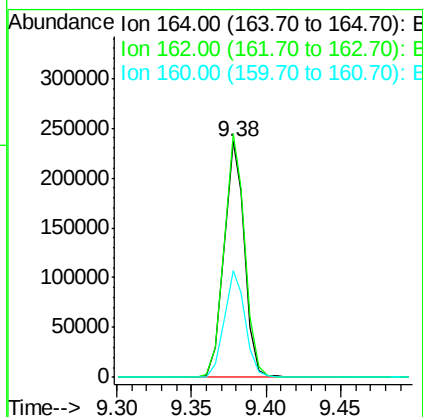
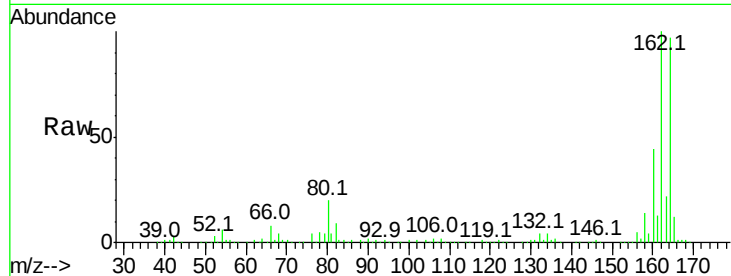




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094659.D
 Acq: 26 Apr 2017 20:50

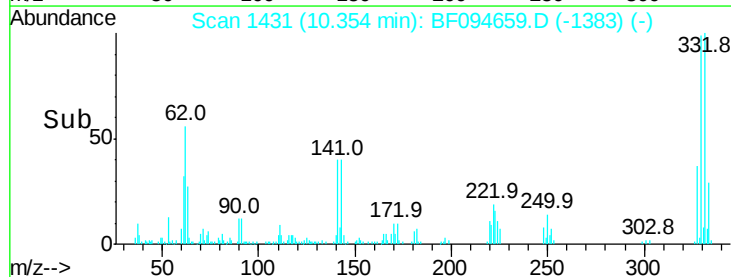
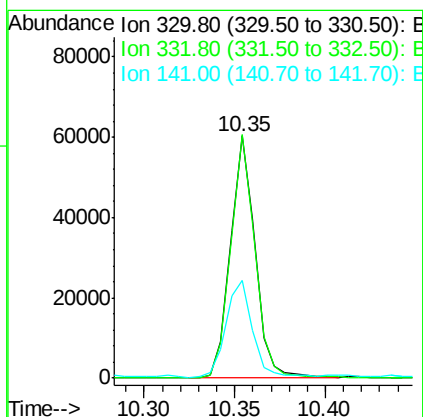
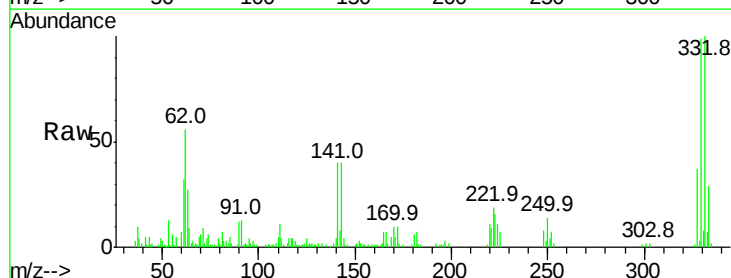
Instrument :
 BNA_F
 ClientSampleId :

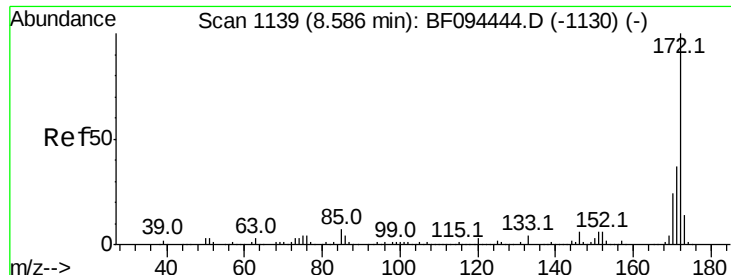
Tot Ion:164 Resp: 229116
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 45.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 32.17 ng
 RT: 10.35 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF094659.D
 Acq: 26 Apr 2017 20:50

Tgt Ion:330 Resp: 57658
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 115.0
 141 43.7 31.4 47.2

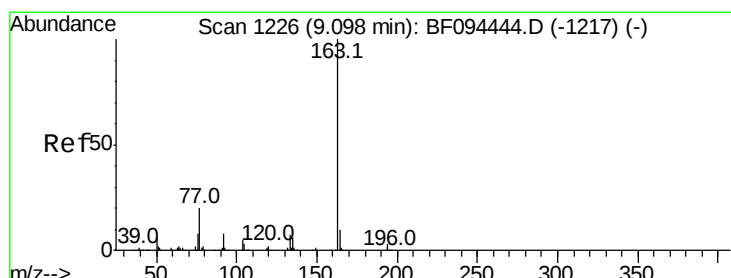
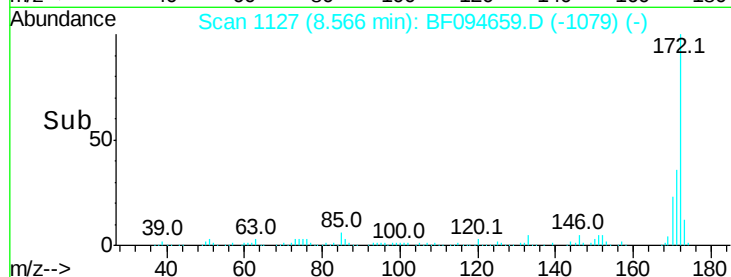
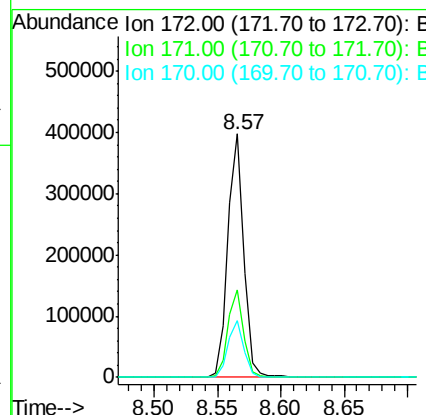
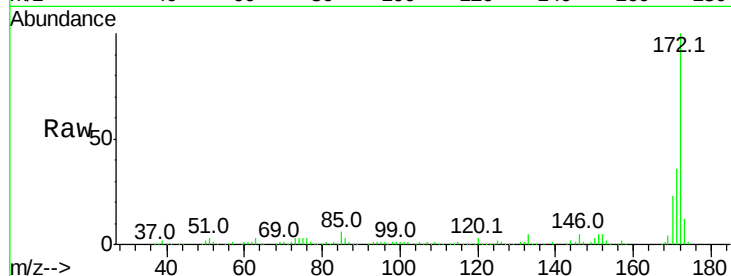




#44
2-Fluorobiphenyl
Concen: 22.52 ng
RT: 8.57 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

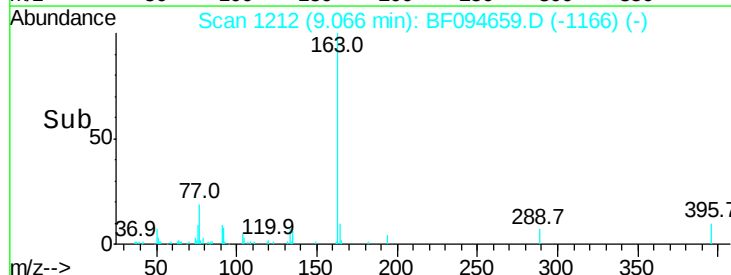
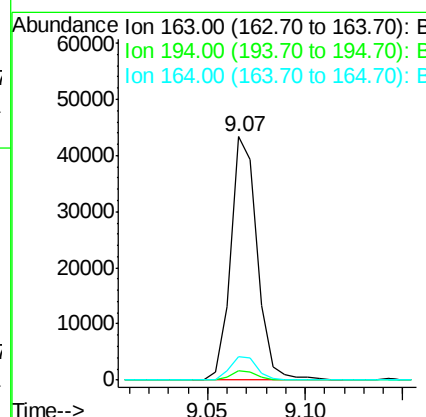
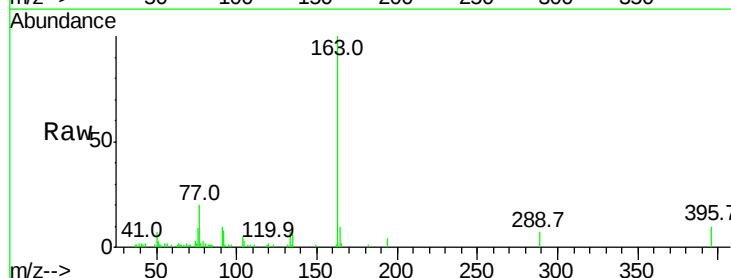
Instrument :
BNA_F
ClientSampleId :

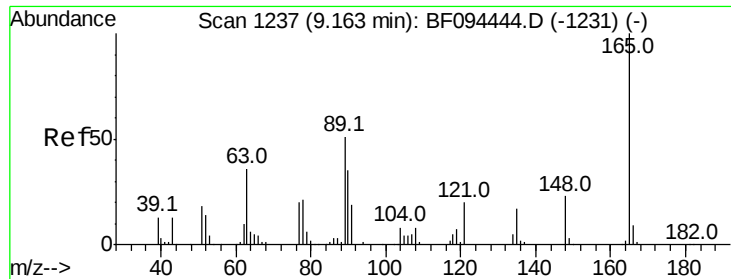
Tot Ion:172 Resp: 350668
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 2.38 ng
RT: 9.07 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

Tgt Ion:163 Resp: 40701
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.8 8.4 12.6

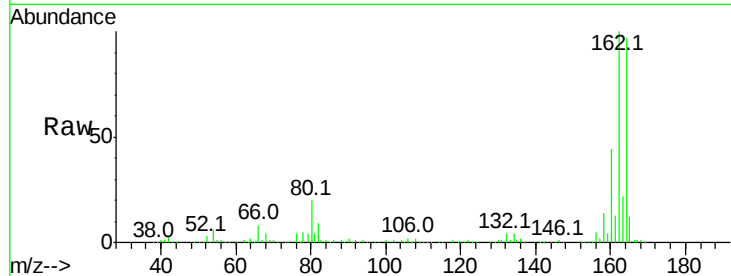




#50
 2,6-Dinitrotoluene
 Concen: 7.59 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.21 min
 Lab File: BF094659.D
 Acq: 26 Apr 2017 20:50

Instrument :
 BNA_F
 ClientSampleId :

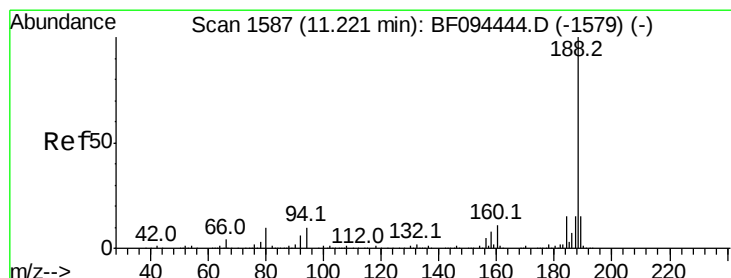
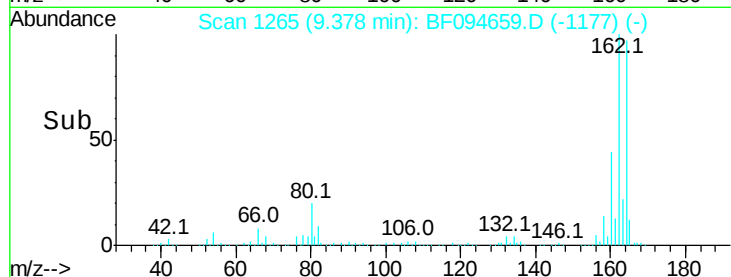
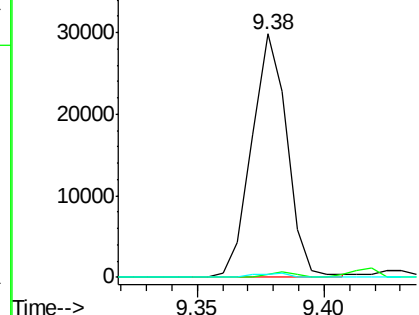
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.3	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

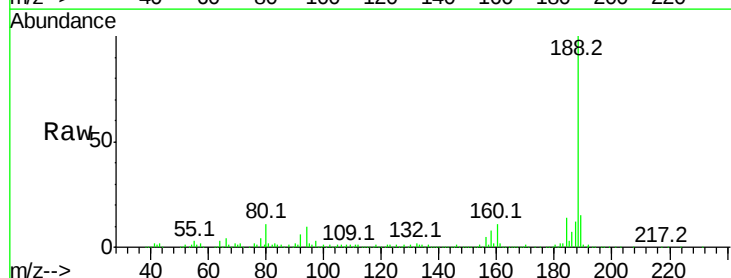
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094659.D
 Acq: 26 Apr 2017 20:50

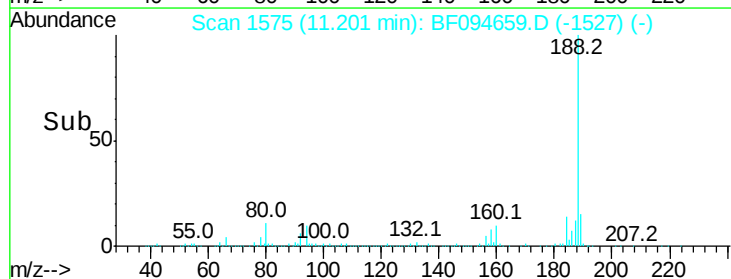
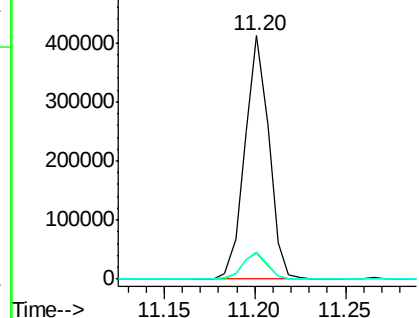
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.1	10.2	15.2

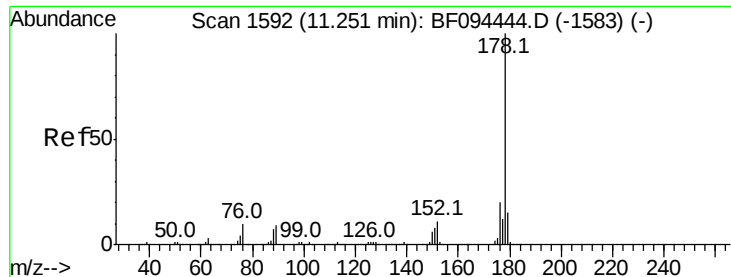


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

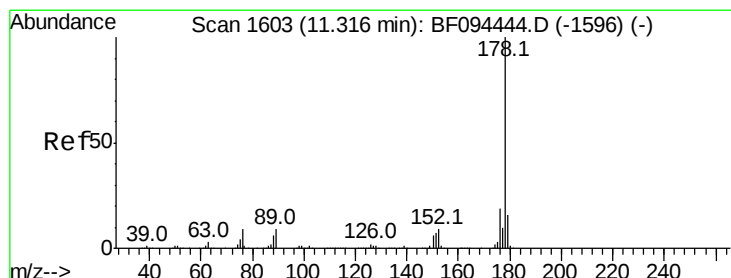
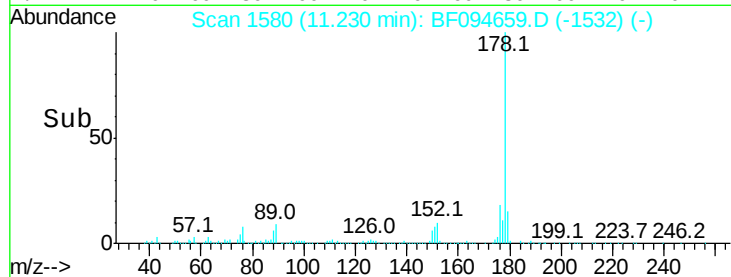
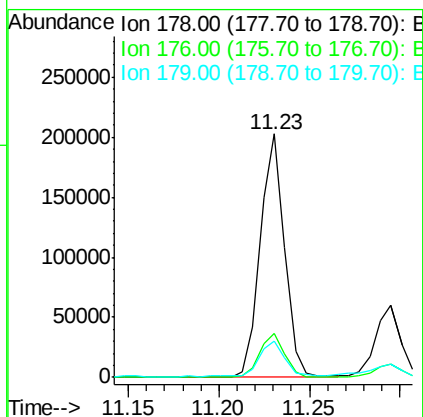
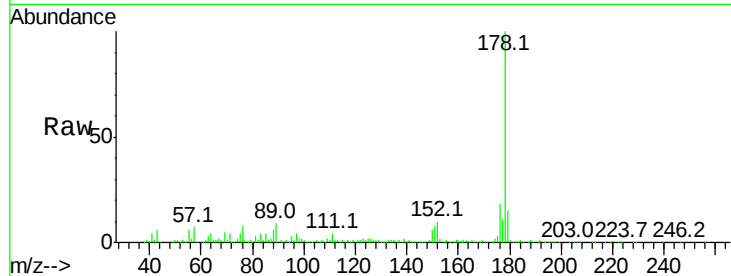




#70
 Phenanthrene
 Concen: 8.81 ng
 RT: 11.23 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF094659.D
 Acq: 26 Apr 2017 20:50

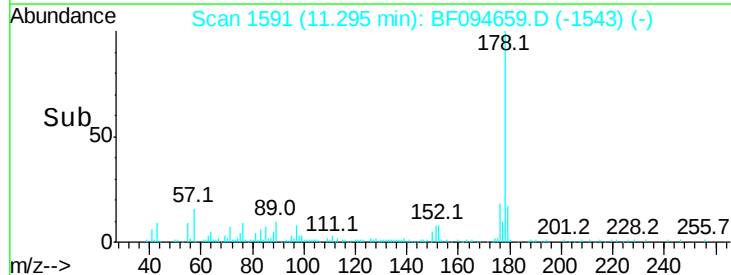
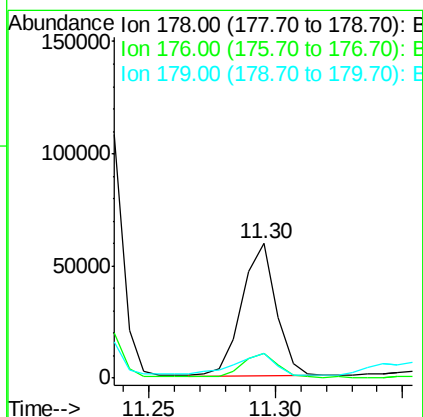
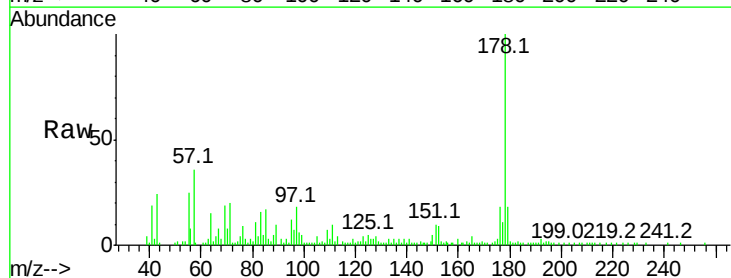
Instrument :
 BNA_F
 ClientSampleId :

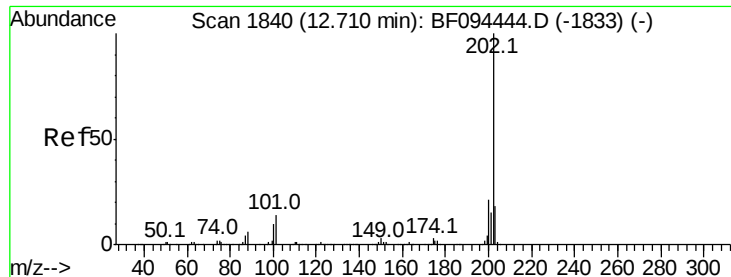
Tot Ion:178 Resp: 187878
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.4
 179 15.2 12.6 19.0



#71
 Anthracene
 Concen: 2.55 ng
 RT: 11.30 min Scan# 1591
 Delta R.T. -0.02 min
 Lab File: BF094659.D
 Acq: 26 Apr 2017 20:50

Tgt Ion:178 Resp: 56282
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 18.2 12.7 19.1





#74

Fluoranthene

Concen: 12.15 ng

RT: 12.70 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Instrument :

BNA_F

ClientSampleId :

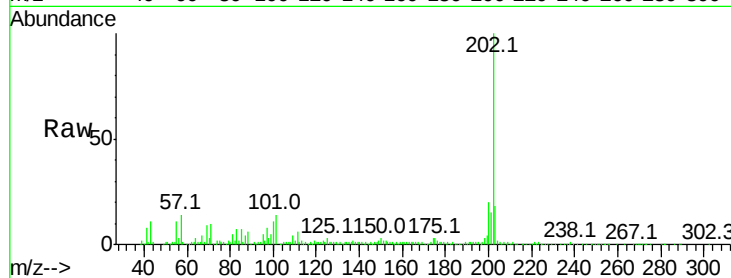
Tot Ion:202 Resp: 268498

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

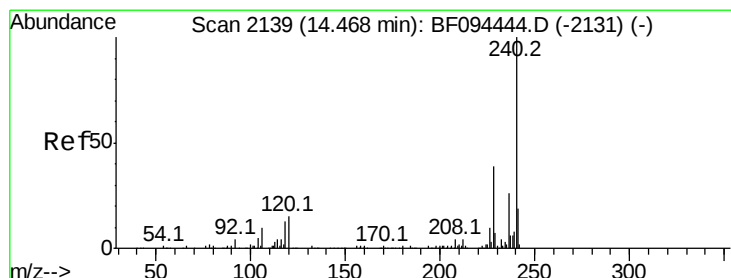
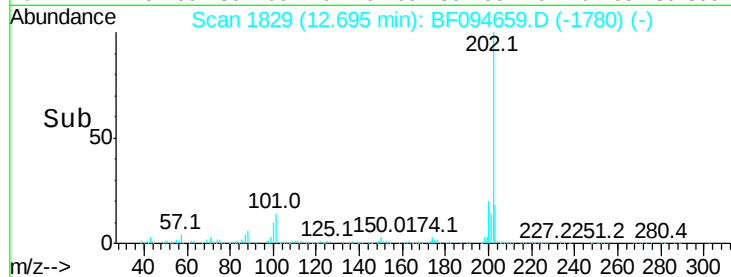
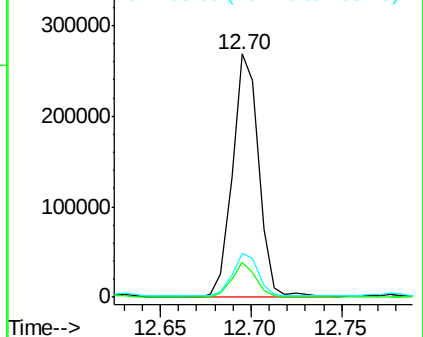
203 18.0 0.0 38.1



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: BF094659.D

Acq: 26 Apr 2017 20:50

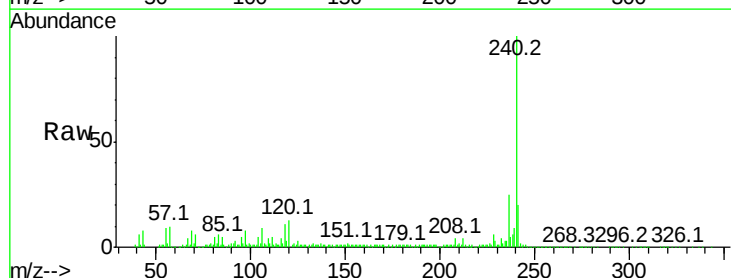
Tgt Ion:240 Resp: 270746

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

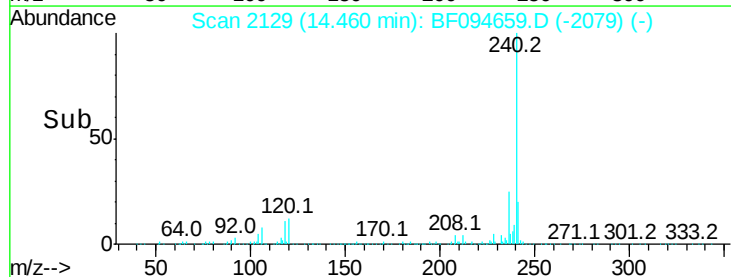
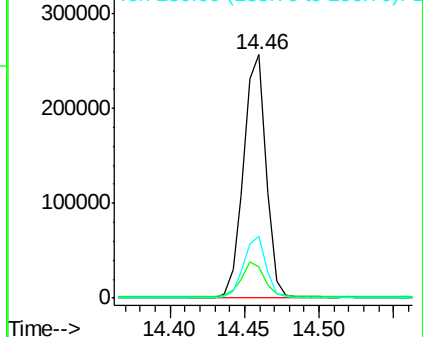
236 25.3 20.5 30.7

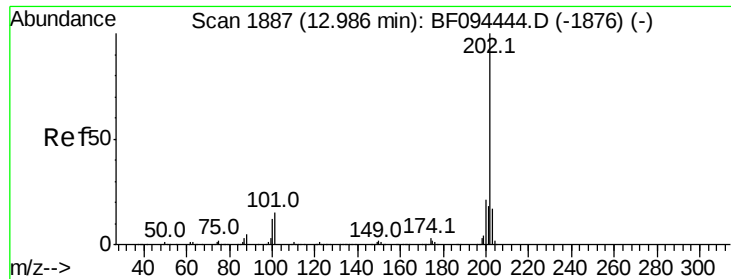


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

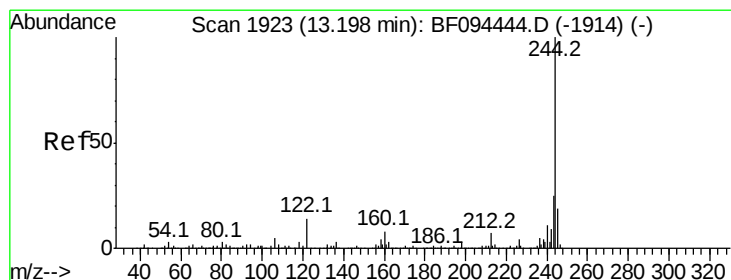
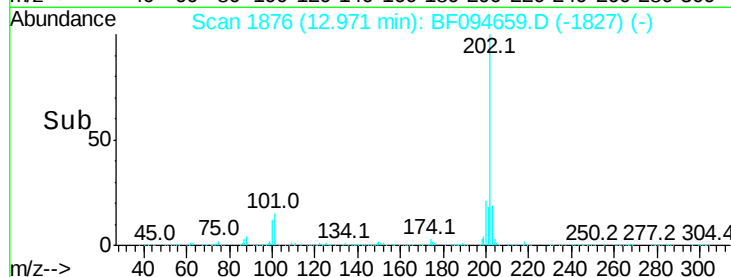
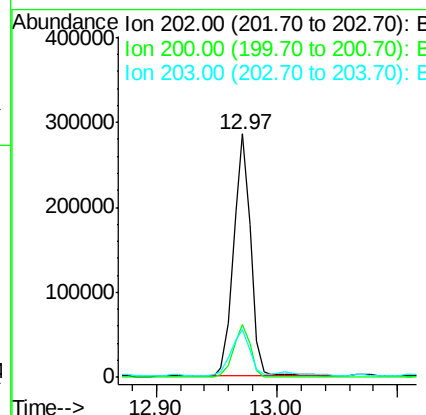
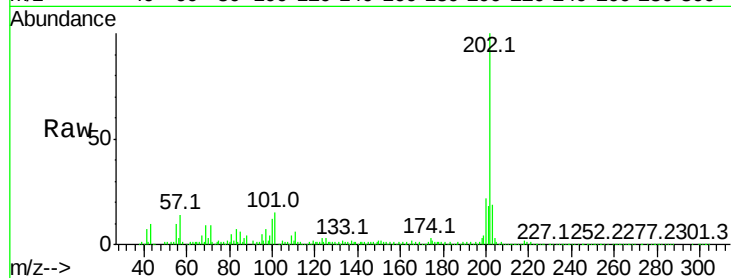




#77
Pvrene
Concen: 14.75 ng
RT: 12.97 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

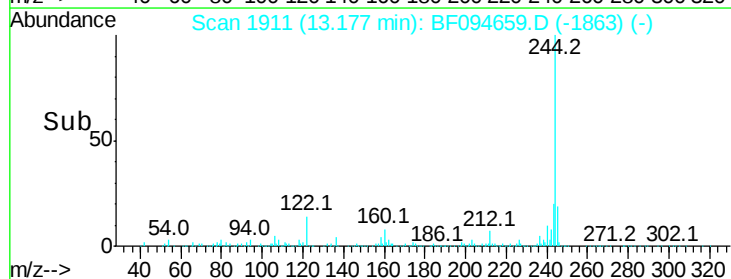
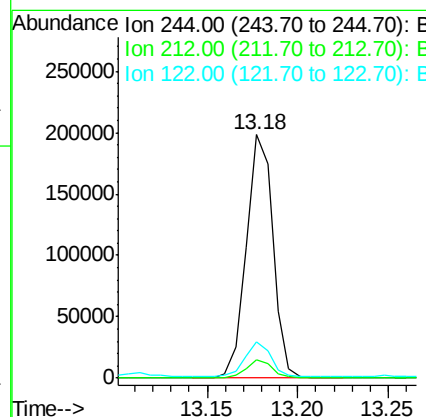
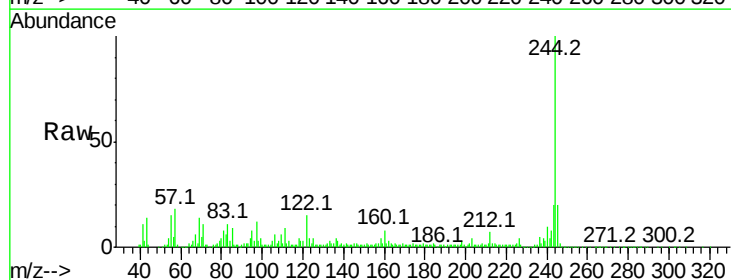
Instrument :
BNA_F
ClientSampleId :

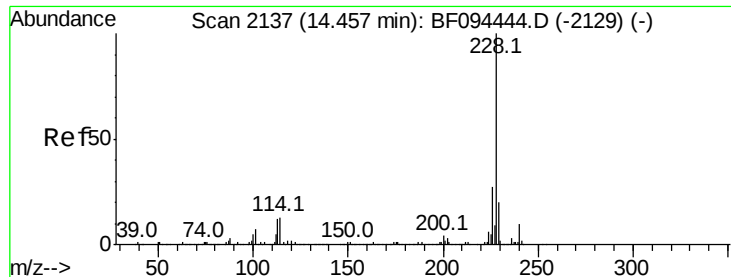
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.4	14.4	21.6



#78
Terphenyl-d14
Concen: 20.02 ng
RT: 13.18 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.7	10.3	15.5

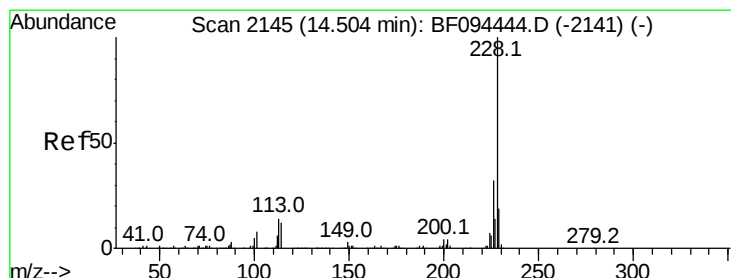
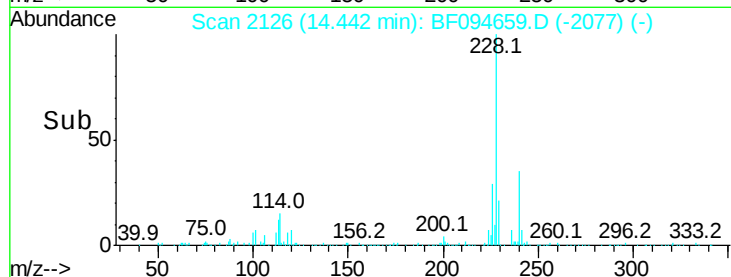
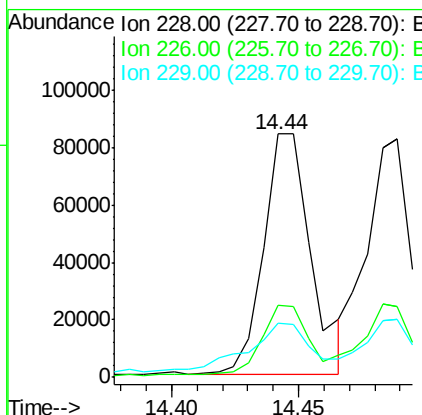
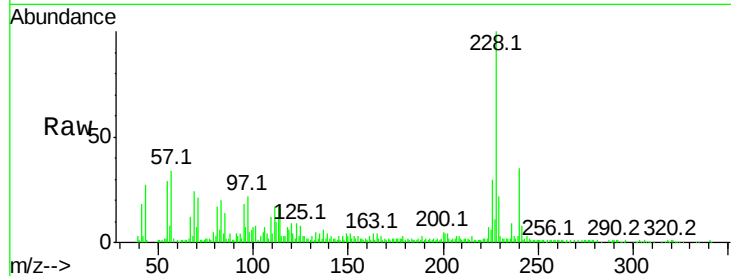




#80
Benzo(a)anthracene
Concen: 6.85 ng
RT: 14.44 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

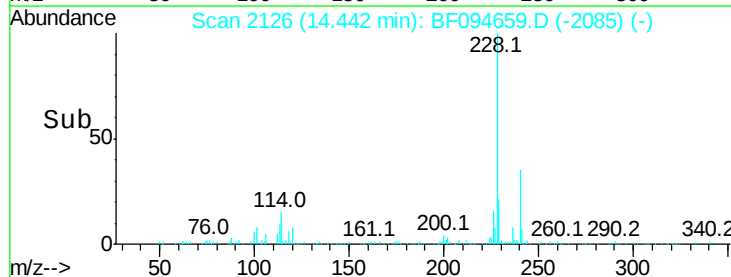
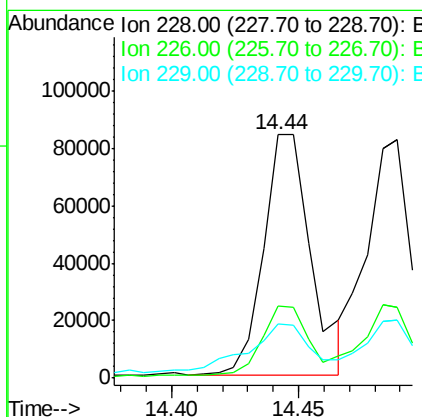
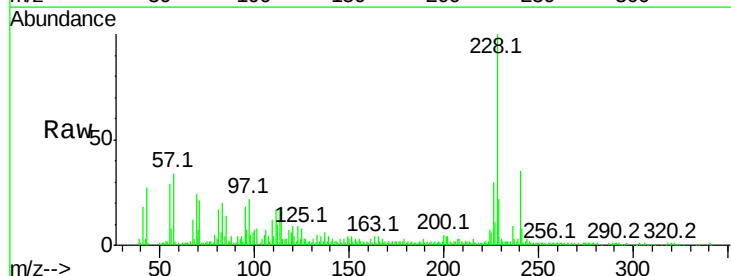
Instrument :
BNA_F
ClientSampleId :

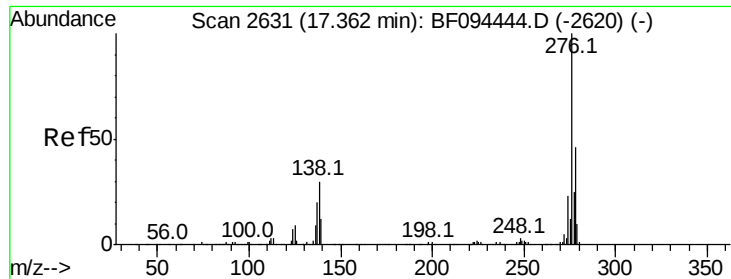
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	22.5	16.3	24.5



#82
Chrysene
Concen: 7.50 ng
RT: 14.44 min Scan# 2126
Delta R.T. -0.06 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	22.5	15.8	23.6

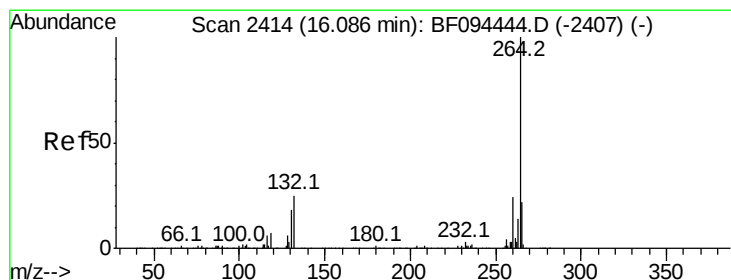
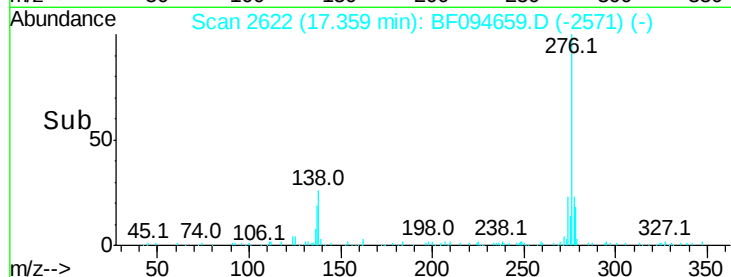
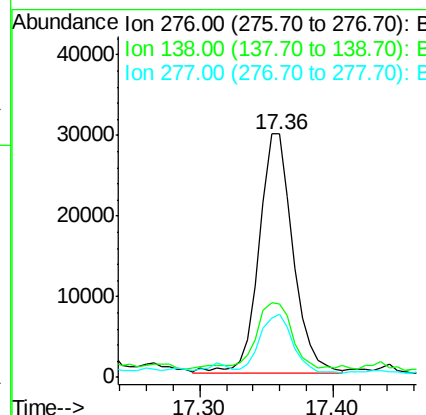
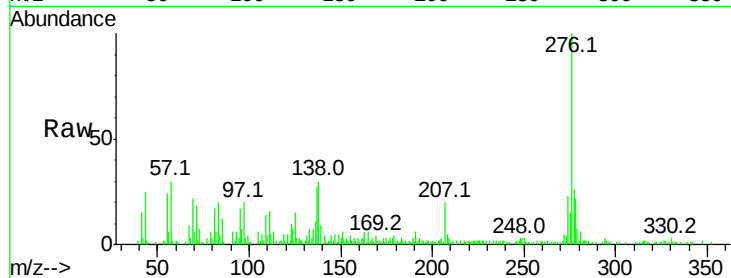




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.82 ng
RT: 17.36 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

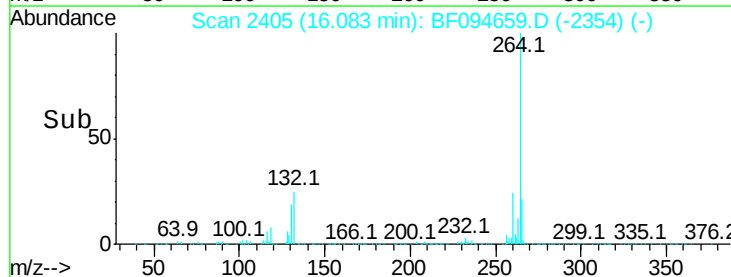
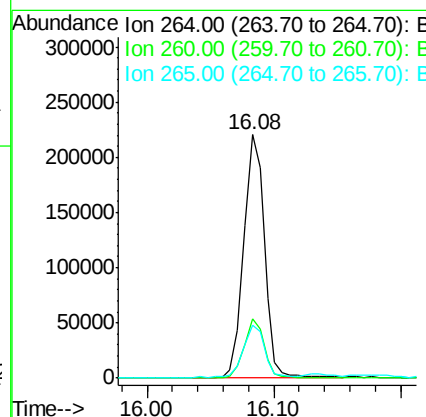
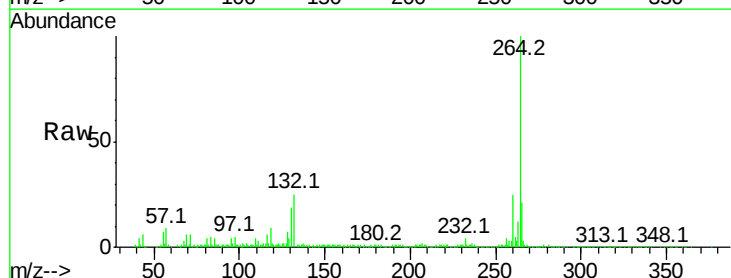
Instrument :
BNA_F
ClientSampleId :

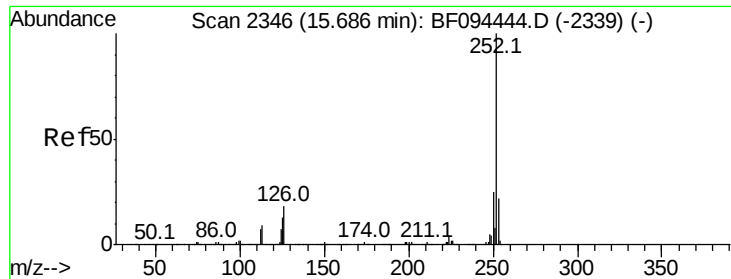
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	23.5	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094659.D
Acq: 26 Apr 2017 20:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.25 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

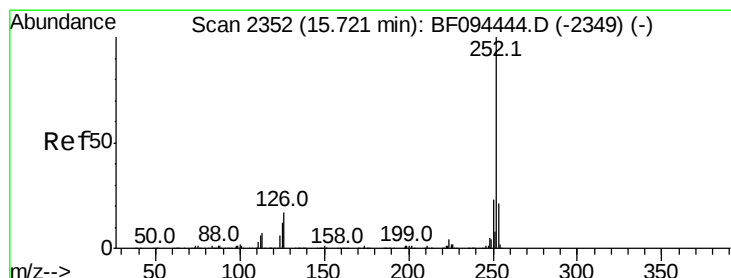
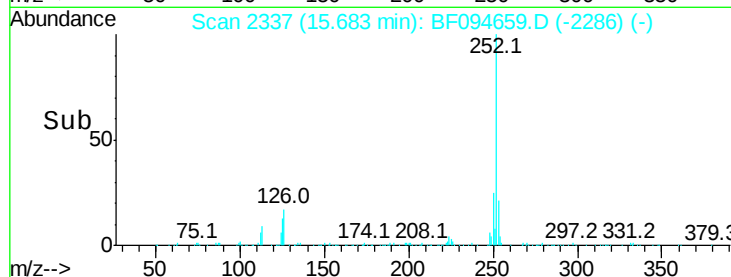
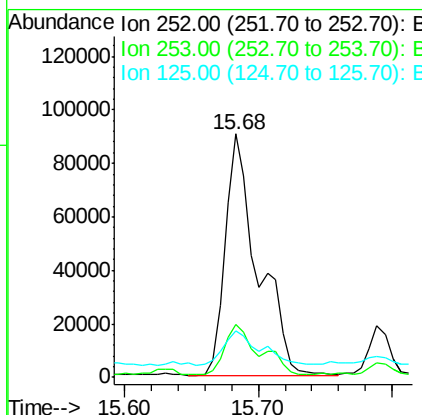
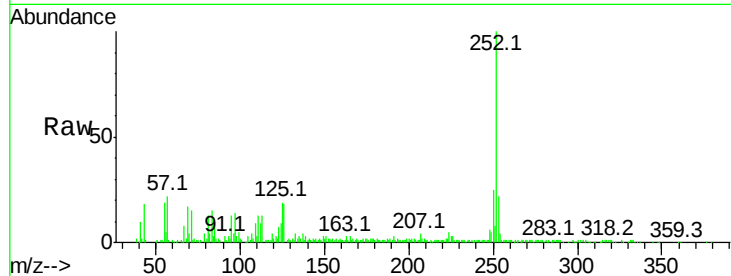
Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 155131

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	19.1	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 10.83 ng

RT: 15.68 min Scan# 2337

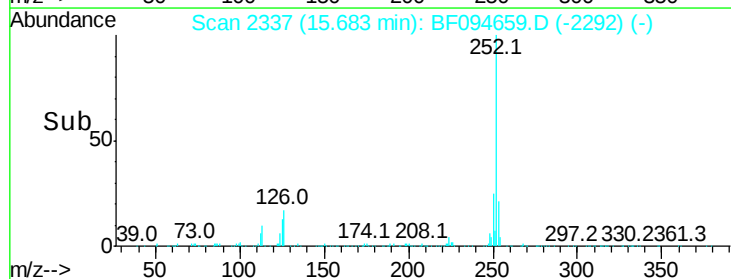
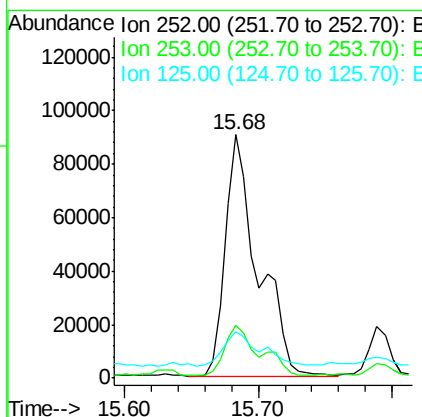
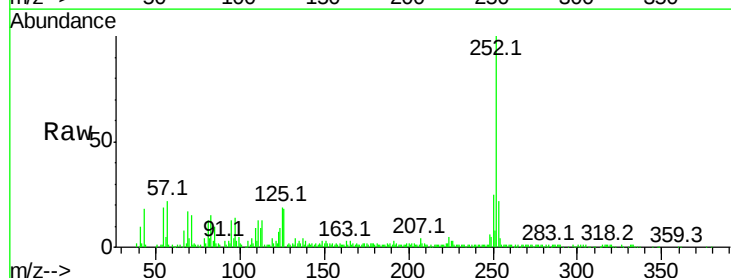
Delta R.T. -0.04 min

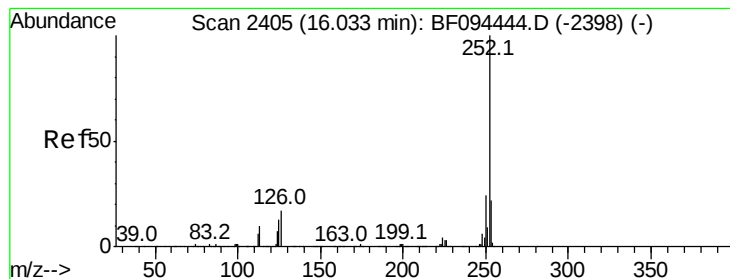
Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Tgt Ion:252 Resp: 155131

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.4	27.6
125	19.1	13.1	19.7





#89

Benzo(a)pyrene

Concen: 7.01 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

Instrument :

BNA_F

ClientSampleId :

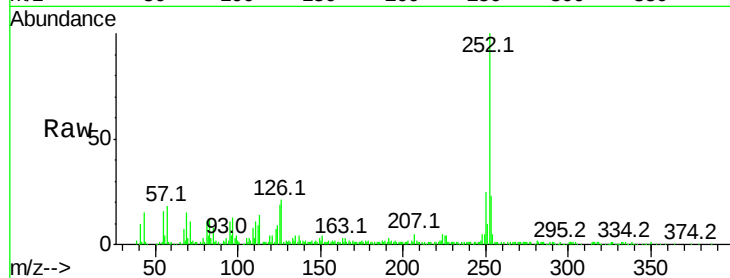
Tot Ion:252 Resp: 98795

Ion Ratio Lower Upper

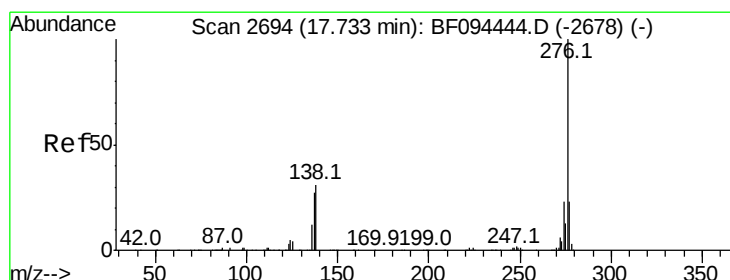
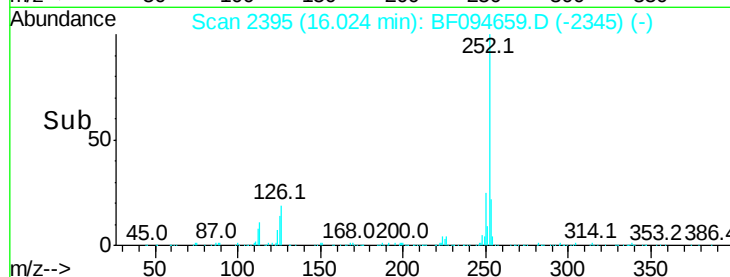
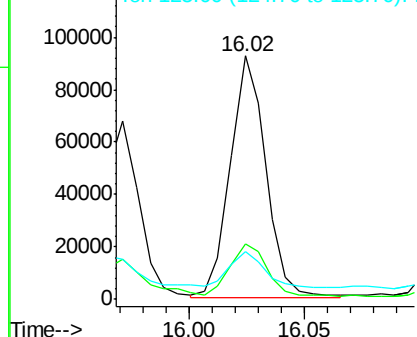
252 100

253 22.9 17.5 26.3

125 19.4 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: 4.56 ng

RT: 17.73 min Scan# 2685

Delta R.T. -0.00 min

Lab File: BF094659.D

Acq: 26 Apr 2017 20:50

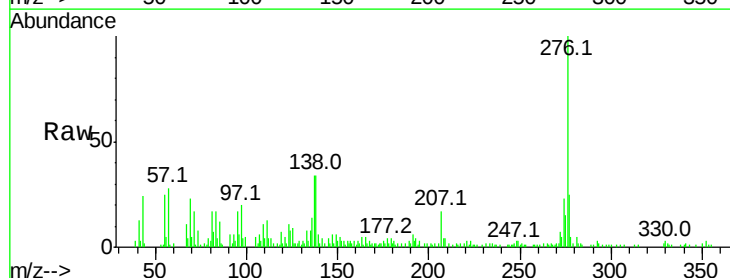
Tgt Ion:276 Resp: 54352

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 34.3 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

