

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094587.D
 Acq On : 24 Apr 2017 16:09
 Operator : SJ/MA
 Sample : I2780-07DL 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4DL

Quant Time: Apr 25 01:05:24 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	133248	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	520658	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	219645	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	350788	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	254673	20.00	ng	-0.01
86) Perylene-d12	16.08	264	252331	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.30	112	64412	8.02	ng	0.00
7) Phenol-d6	5.37	99	79174	8.36	ng	-0.02
23) Nitrobenzene-d5	6.40	82	45330	5.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	11148	6.49	ng	-0.02
44) 2-Fluorobiphenyl	8.57	172	90177	6.04	ng	-0.02
78) Terphenyl-d14	13.17	244	53899	5.66	ng	-0.03

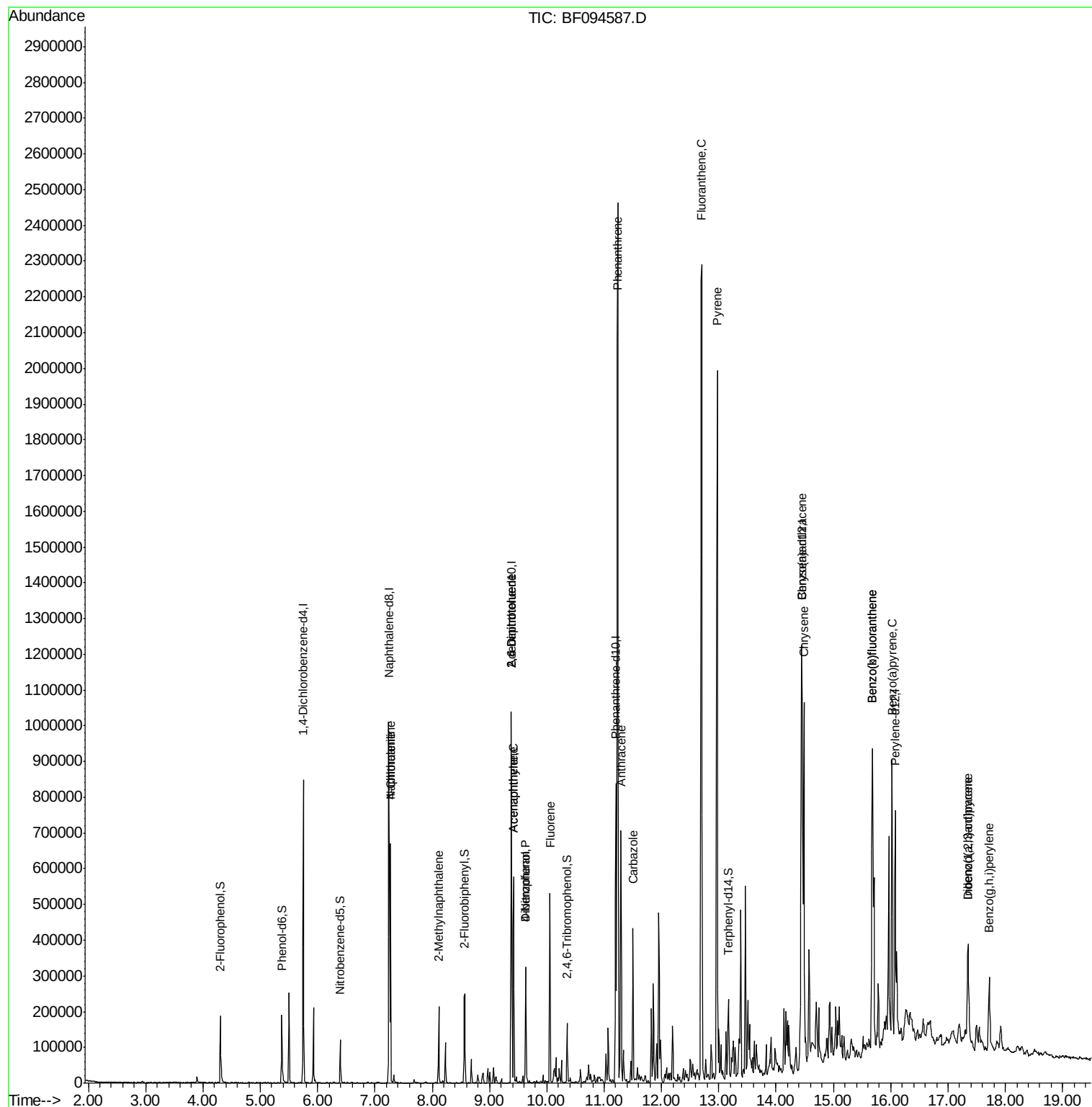
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.27	128	300429	12.00	ng	98
33) 4-Chloroaniline	7.27	127	38459	3.69	ng	# 31
37) 2-Methylnaphthalene	8.11	142	64472	3.76	ng	98
48) Acenaphthylene	9.42	152	68774	3.09	ng	# 1
50) 2,6-Dinitrotoluene	9.38	165	29936	8.15	ng	# 34
51) Acenaphthene	9.42	154	125584	9.43	ng	97
54) Dibenzofuran	9.63	168	139009	7.18	ng	98
55) 4-Nitrophenol	9.63	139	49047	16.33	ng	# 27
56) 2,4-Dinitrotoluene	9.38	165	29936	6.64	ng	# 33
57) Fluorene	10.05	166	160702	10.66	ng	98
70) Phenanthrene	11.24	178	1053255	53.32	ng	98
71) Anthracene	11.29	178	300626	14.71	ng	97
72) Carbazole	11.50	167	173033	9.02	ng	96
74) Fluoranthene	12.70	202	1166890	57.00	ng	99
77) Pyrene	12.97	202	962798	54.11	ng	97
80) Benzo(a)anthracene	14.44	228	467980	31.61	ng	99
82) Chrysene	14.48	228	436502	32.27	ng	97
85) Indeno(1,2,3-cd)pyrene	17.35	276	151027	11.73	ng	97
87) Benzo(b)fluoranthene	15.68	252	643010	41.66	ng	# 97
88) Benzo(k)fluoranthene	15.68	252	643010	44.02	ng	99
89) Benzo(a)pyrene	16.02	252	333965	23.26	ng	98
90) Dibenzo(a,h)anthracene	17.35	278	37681	3.16	ng	95
91) Benzo(g,h,i)perylene	17.72	276	139382	11.48	ng	96

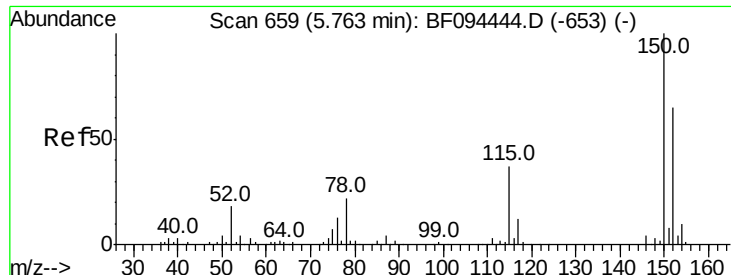
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.75 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PE-4DL

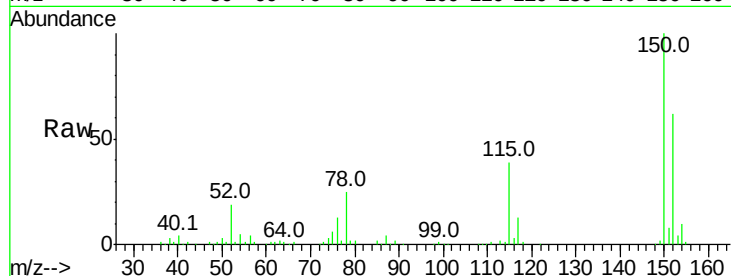
Tot Ion:152 Resp: 133248

Ion Ratio Lower Upper

152 100

150 160.0 126.2 189.2

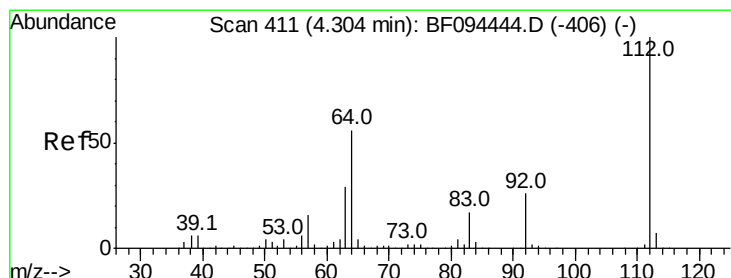
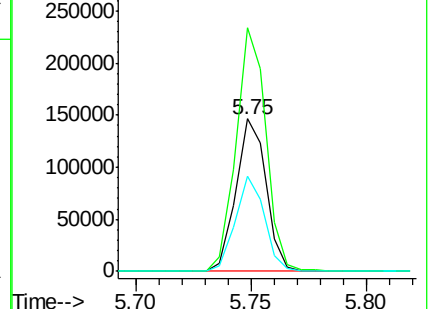
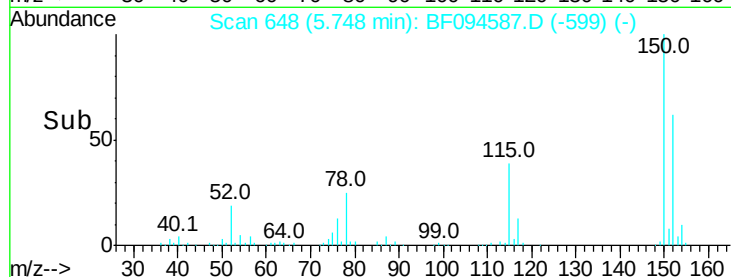
115 62.8 52.2 78.2



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: 8.02 ng

RT: 4.30 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

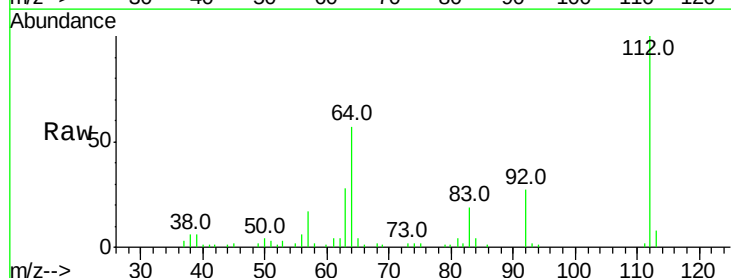
Tgt Ion:112 Resp: 64412

Ion Ratio Lower Upper

112 100

64 57.3 46.0 69.0

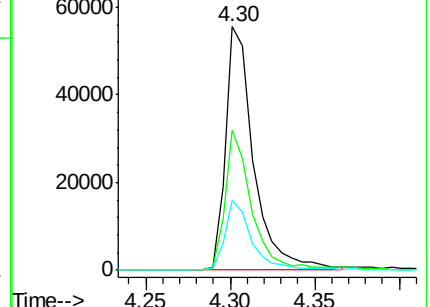
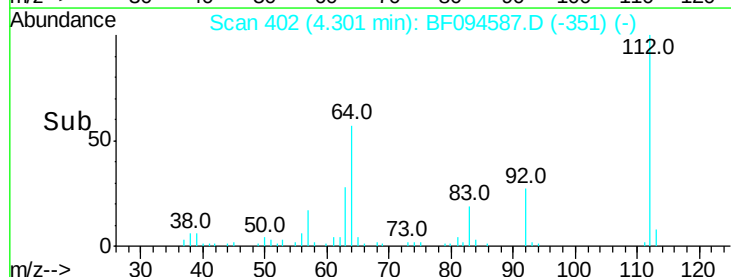
63 28.4 23.4 35.0

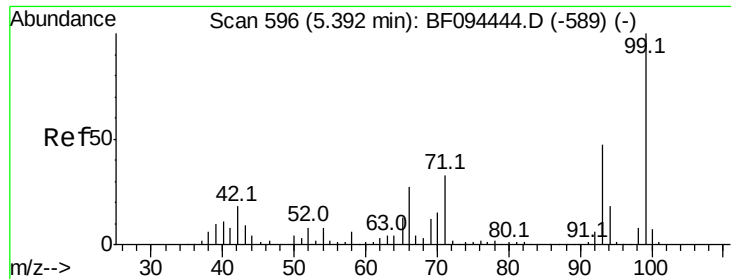


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.36 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PE-4DL

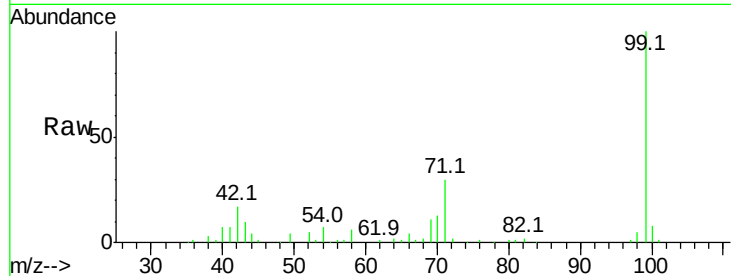
Tot Ion: 99 Resp: 79174

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

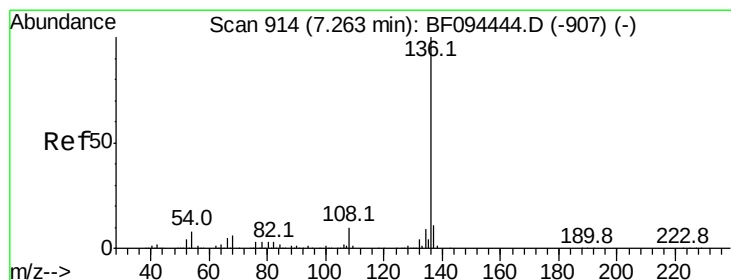
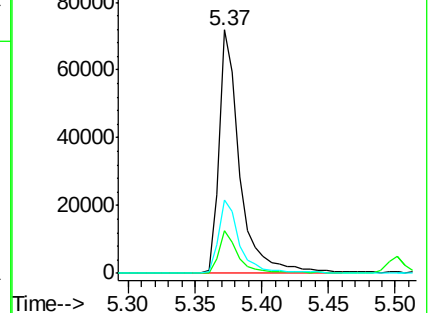
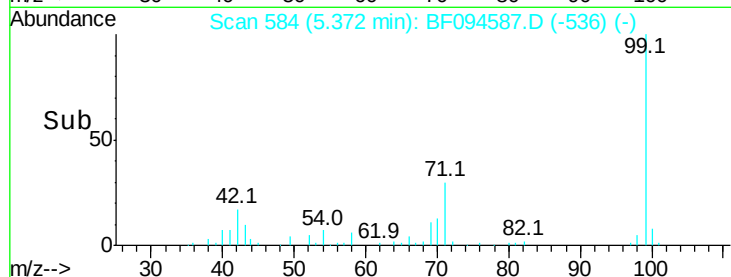
71 30.3 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Tgt Ion: 136 Resp: 520658

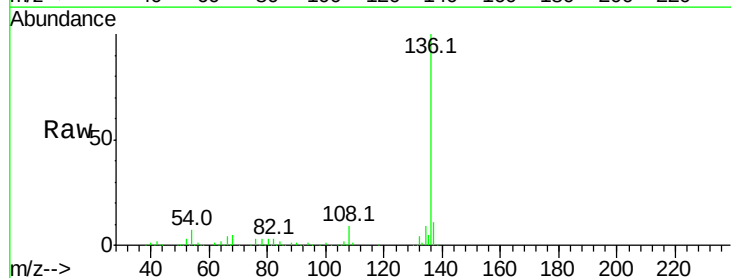
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.5 4.9 7.3

68 5.5 4.1 6.1

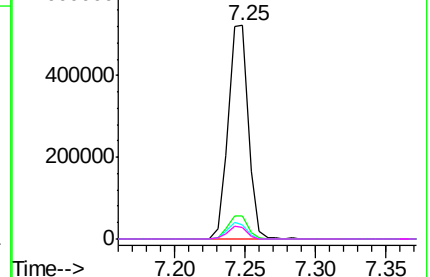
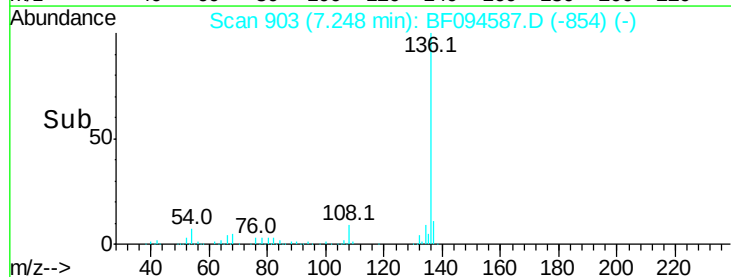


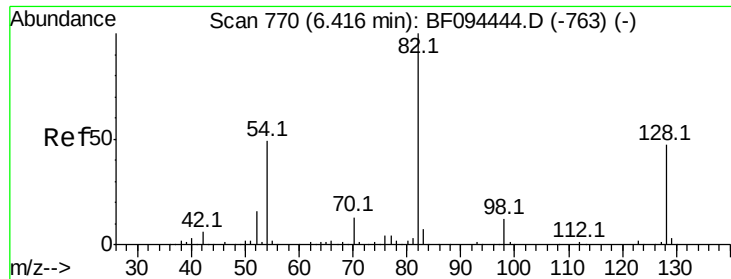
Abundance Ion 136.00 (135.70 to 136.70): E

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

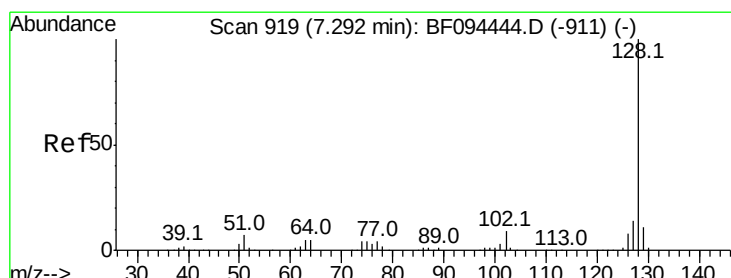
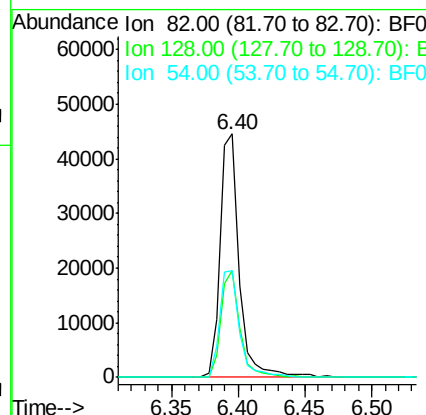
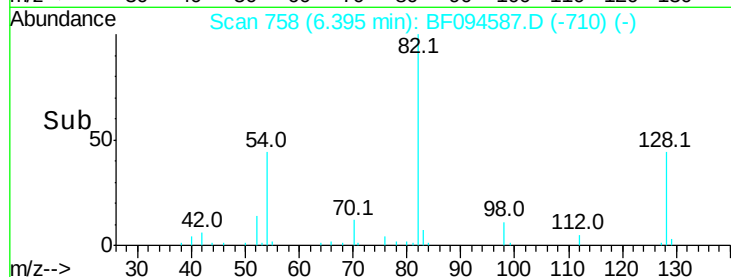
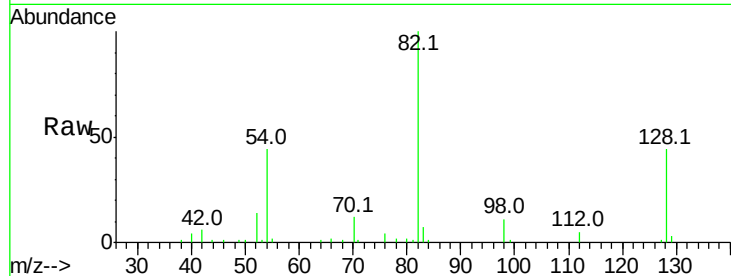




#23
 Nitrobenzene-d5
 Concen: 5.38 ng
 RT: 6.40 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

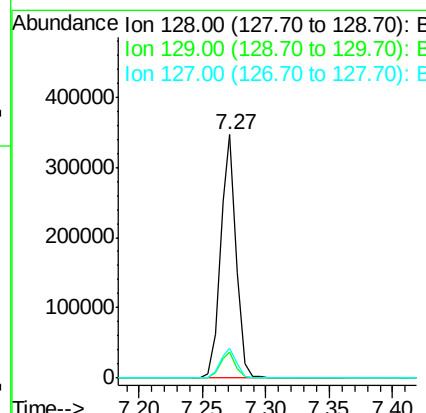
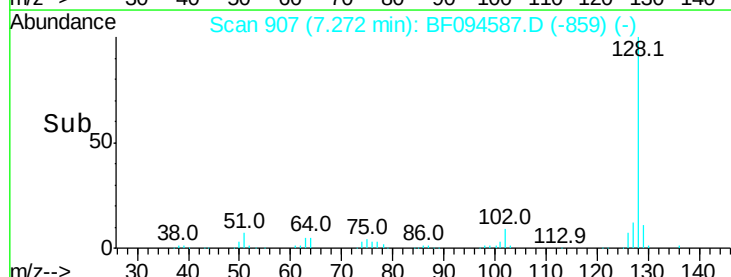
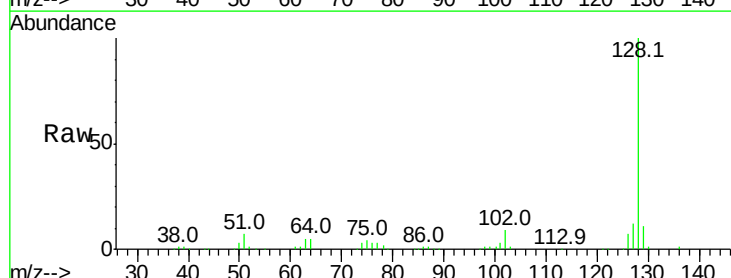
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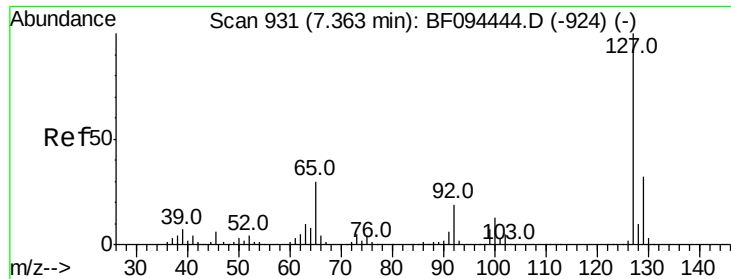
Tot Ion: 82 Resp: 45330
 Ion Ratio Lower Upper
 82 100
 128 43.8 34.0 51.0
 54 43.8 42.2 63.2



#31
 Naphthalene
 Concen: 12.00 ng
 RT: 7.27 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Tgt Ion:128 Resp: 300429
 Ion Ratio Lower Upper
 128 100
 129 10.7 9.0 13.6
 127 12.5 10.8 16.2

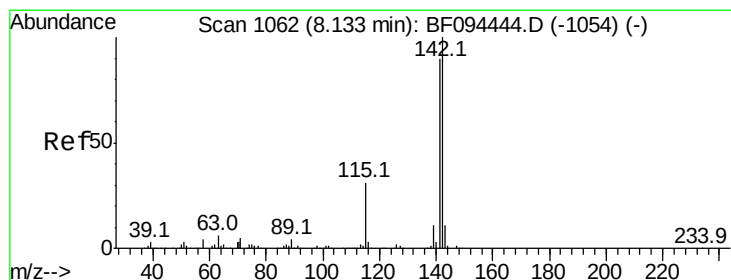
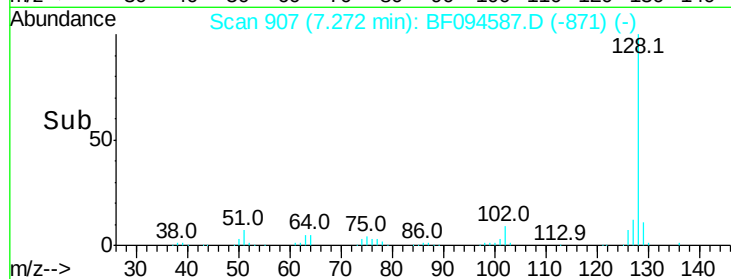
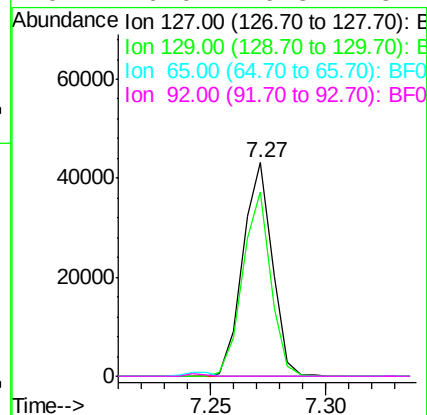
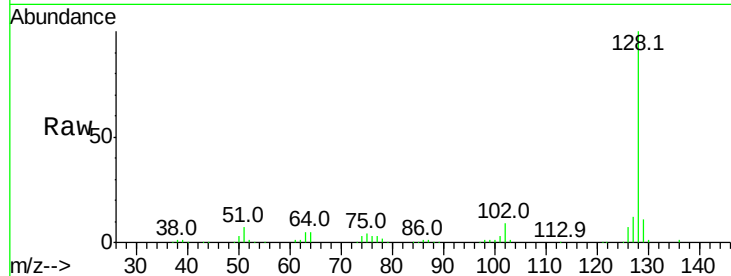




#33
4-Chloroaniline
Concen: 3.69 ng
RT: 7.27 min Scan# 907
Delta R.T. -0.09 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

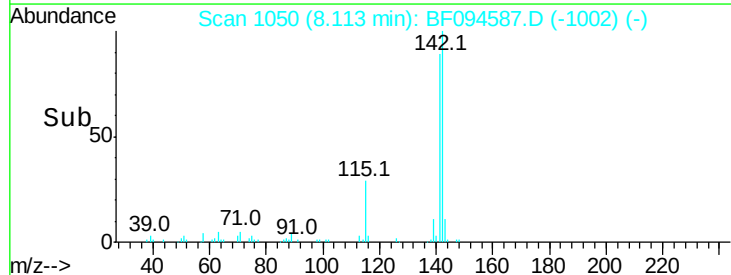
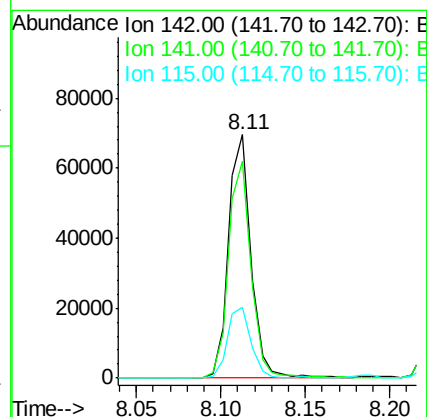
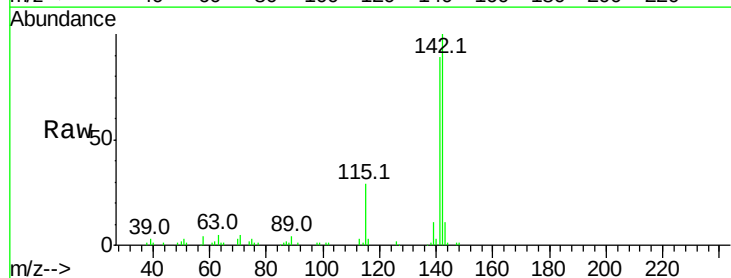
Instrument :
BNA_F
ClientSampleId :
PE-4DL

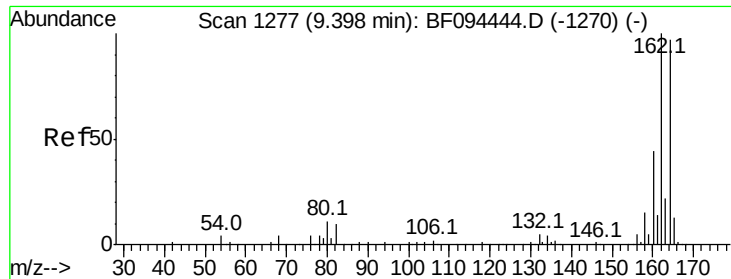
Tot Ion:	127	Resp:	38459
Ion	Ratio	Lower	Upper
127	100		
129	86.1	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 3.76 ng
RT: 8.11 min Scan# 1050
Delta R.T. -0.02 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion:	142	Resp:	64472
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9
115	29.3	27.1	40.7

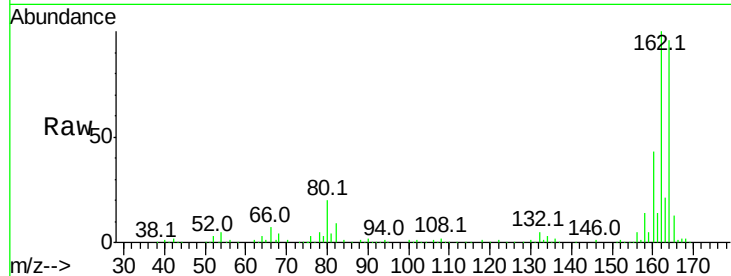




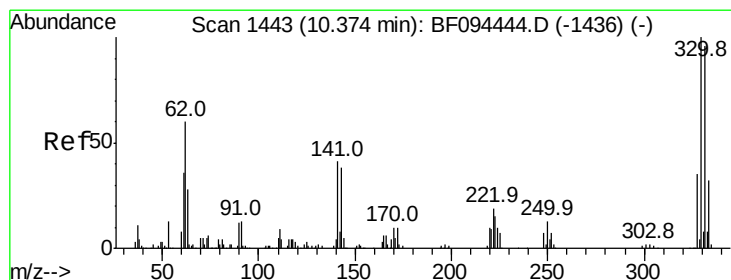
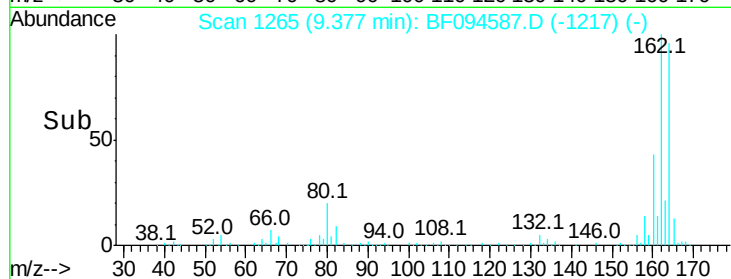
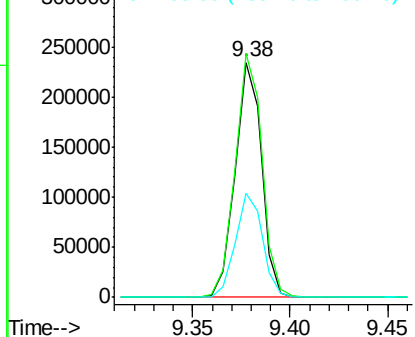
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Instrument :
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ClientSampleId :
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Tot Ion:164 Resp: 219645
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 44.4 36.2 54.2

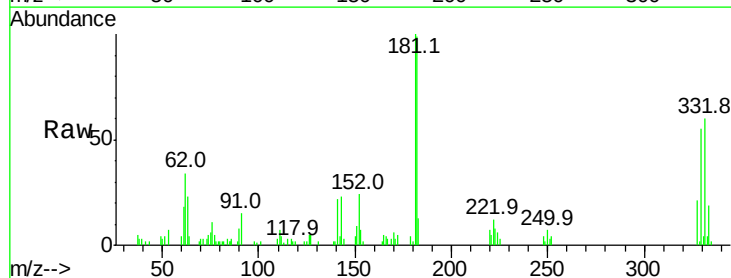


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

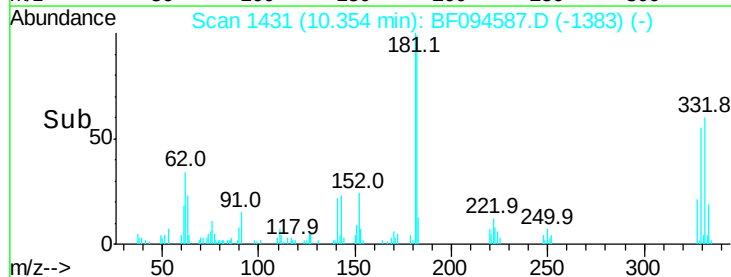
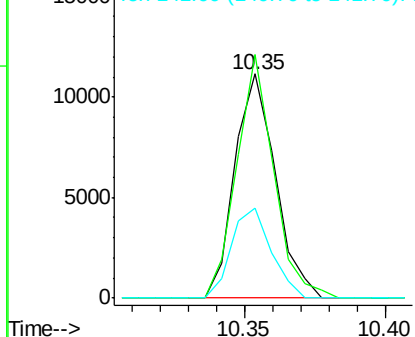


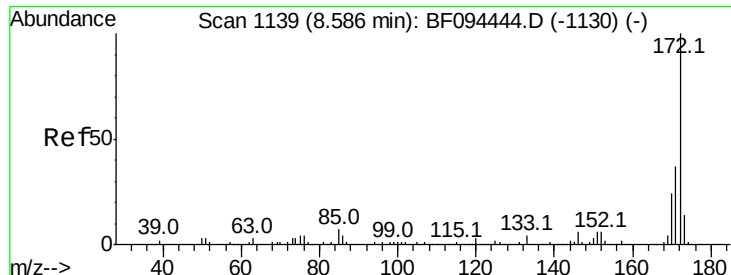
#41
2,4,6-Tribromophenol
Concen: 6.49 ng
RT: 10.35 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion:330 Resp: 11148
Ion Ratio Lower Upper
330 100
332 99.0 76.6 115.0
141 39.4 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

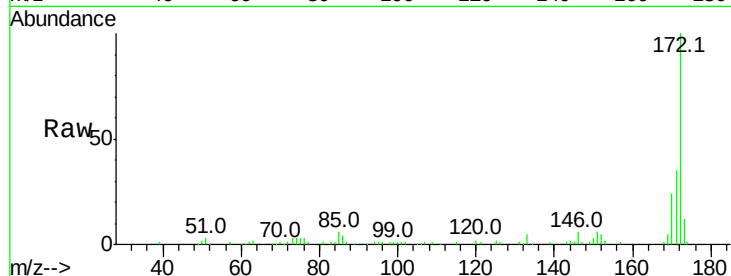




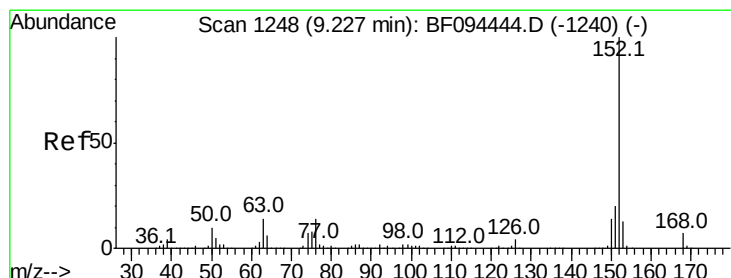
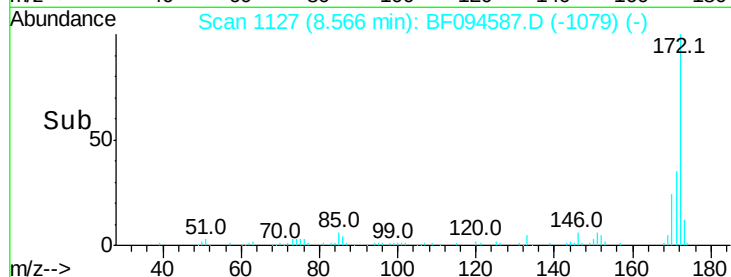
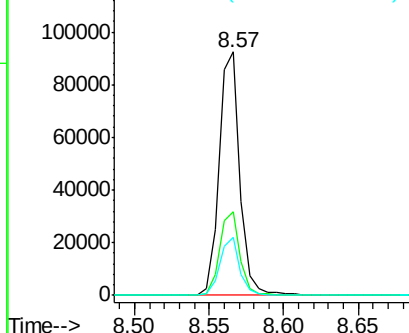
#44
 2-Fluorobiphenyl
 Concen: 6.04 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

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Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.8	19.8	29.8

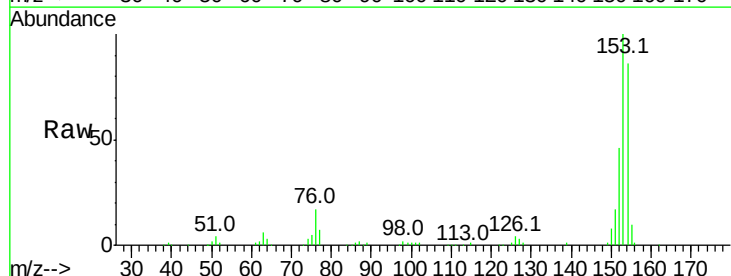


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

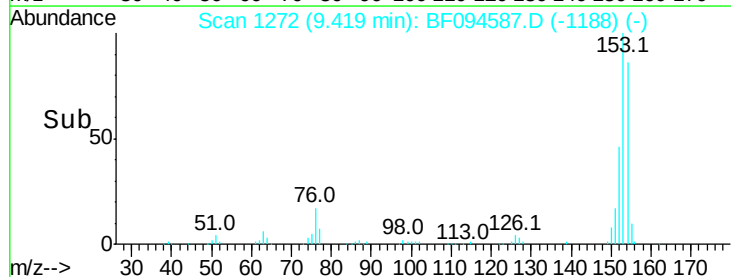
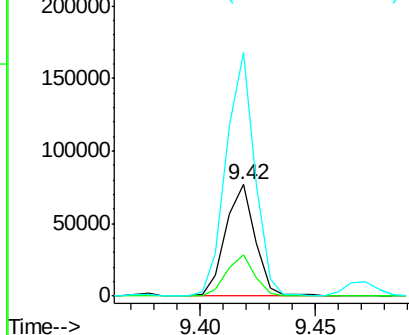


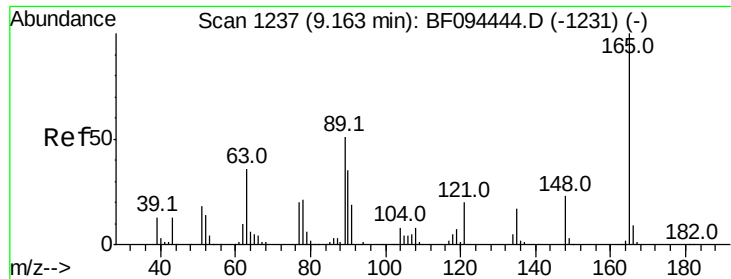
#48
 Acenaphthylene
 Concen: 3.09 ng
 RT: 9.42 min Scan# 1272
 Delta R.T. 0.19 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	37.5	16.8	25.2#
153	217.9	10.8	16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

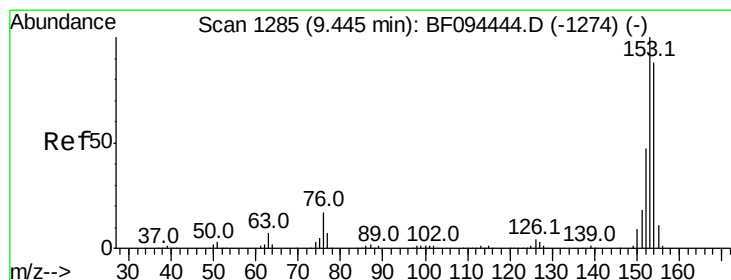
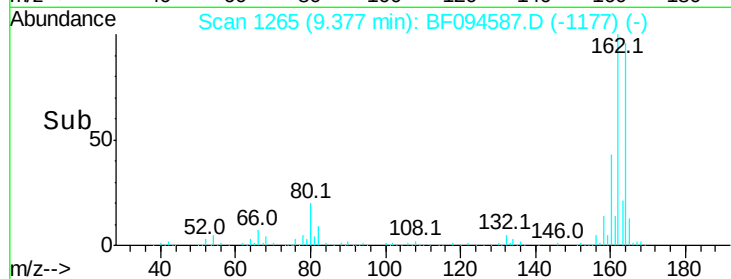
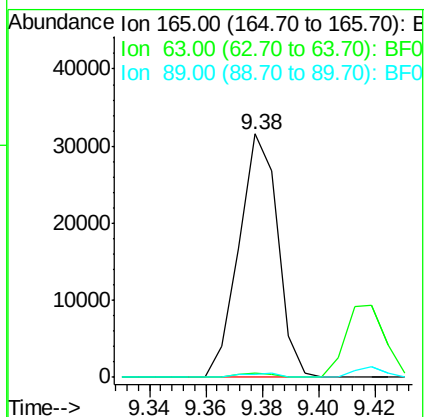
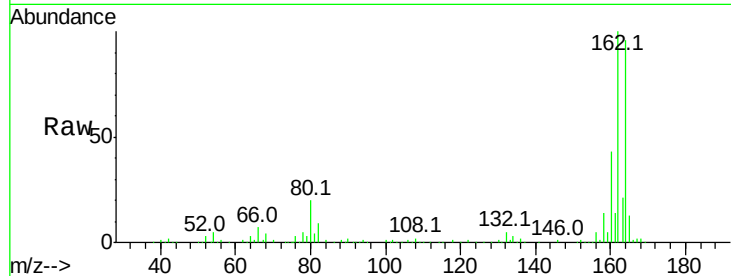




#50
2,6-Dinitrotoluene
Concen: 8.15 ng
RT: 9.38 min Scan# 1265
Delta R.T. 0.21 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

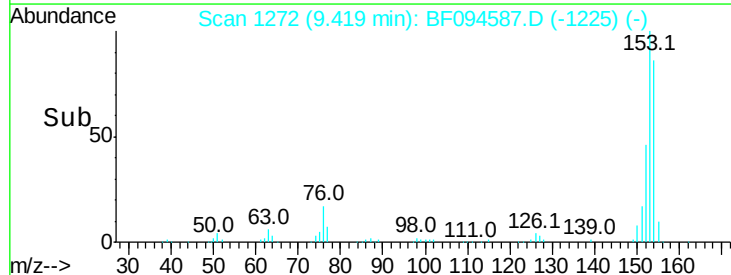
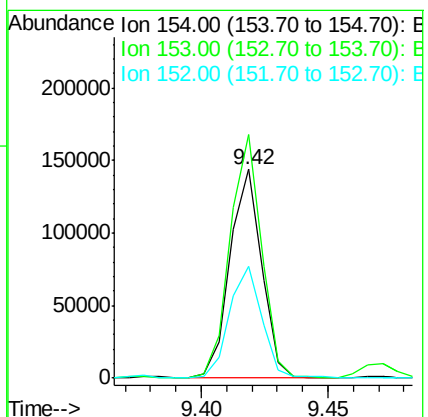
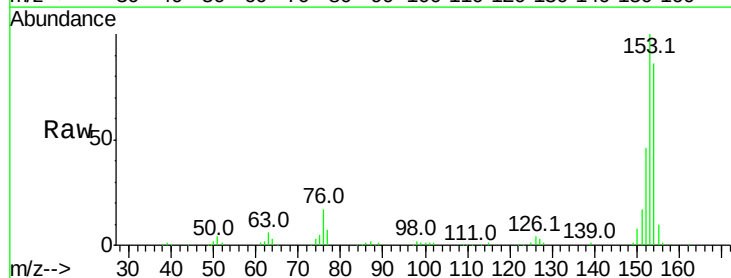
Instrument :
BNA_F
ClientSampleId :
PE-4DL

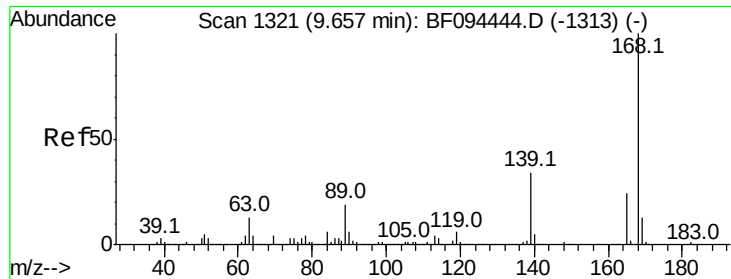
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.3	37.1	55.7#



#51
Acenaphthene
Concen: 9.43 ng
RT: 9.42 min Scan# 1272
Delta R.T. -0.03 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.5	135.7
152	53.5	43.6	65.4

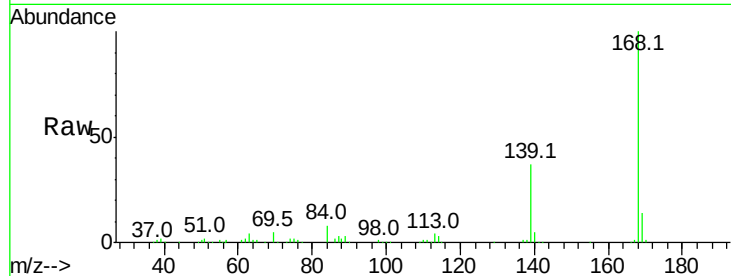




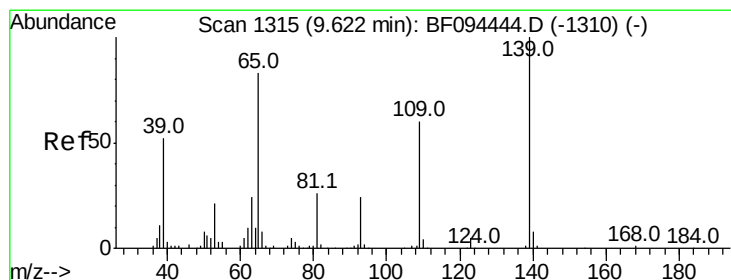
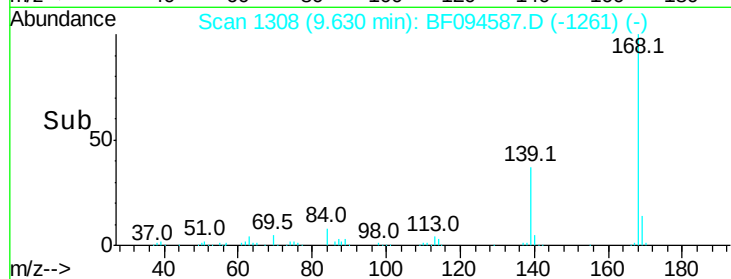
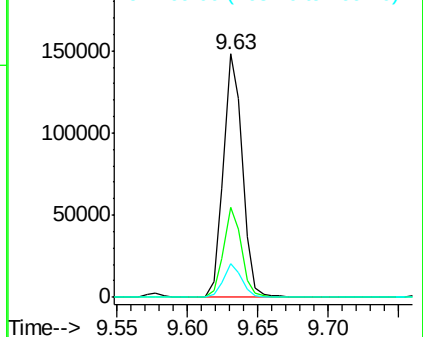
#54
Dibenzofuran
Concen: 7.18 ng
RT: 9.63 min Scan# 1308
Delta R.T. -0.03 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Instrument :
BNA_F
ClientSampleId :
PE-4DL

Tot Ion:168 Resp: 139009
Ion Ratio Lower Upper
168 100
139 36.9 30.6 45.8
169 13.6 10.8 16.2

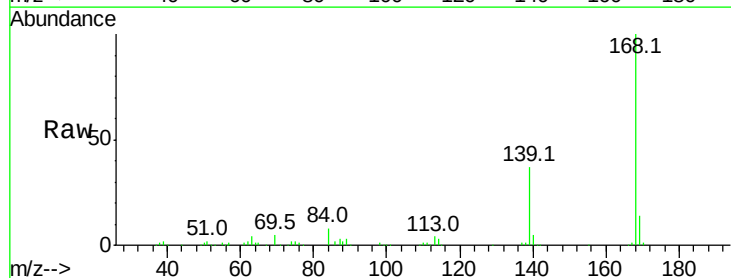


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

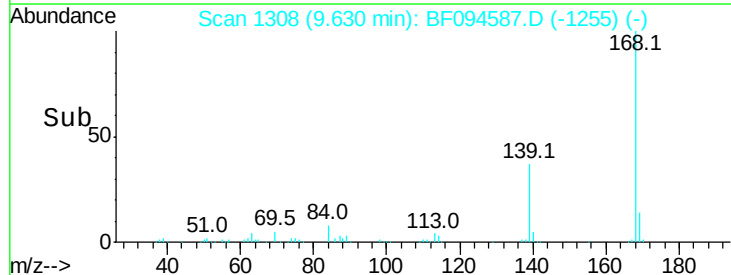
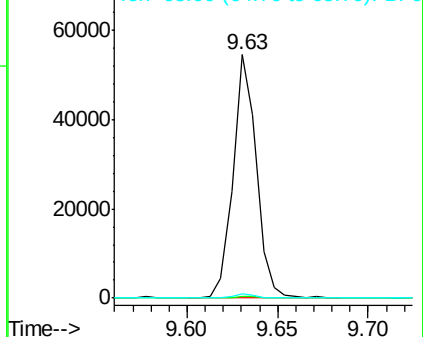


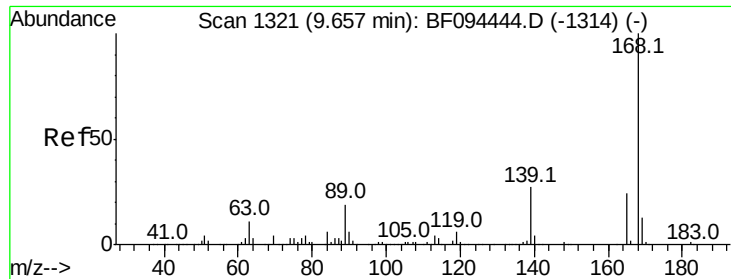
#55
4-Nitrophenol
Concen: 16.33 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion:139 Resp: 49047
Ion Ratio Lower Upper
139 100
109 0.7 34.1 74.1#
65 1.9 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

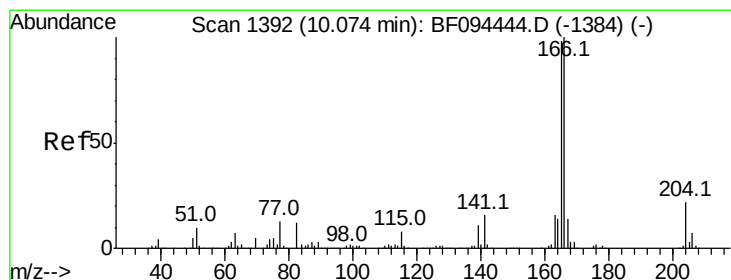
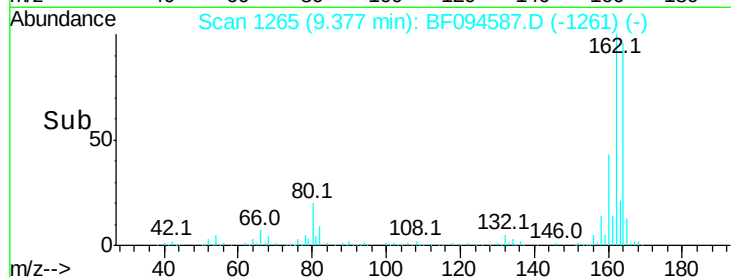
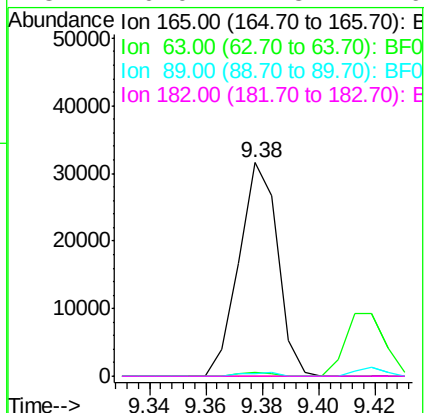
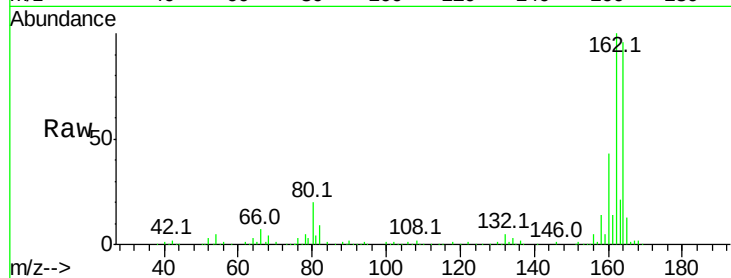




#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

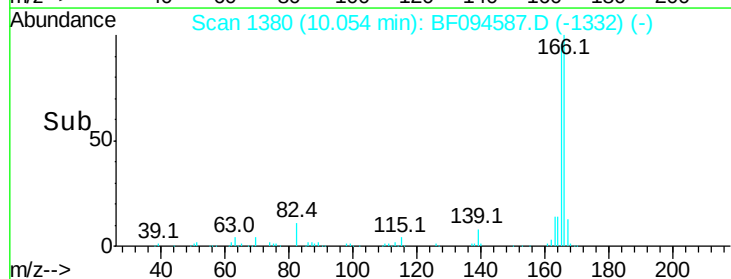
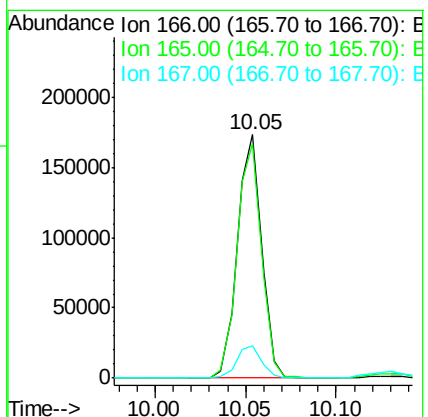
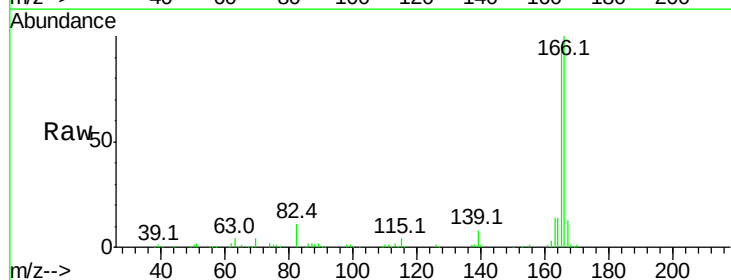
Instrument :
 BNA_F
 ClientSampleId :
 PE-4DL

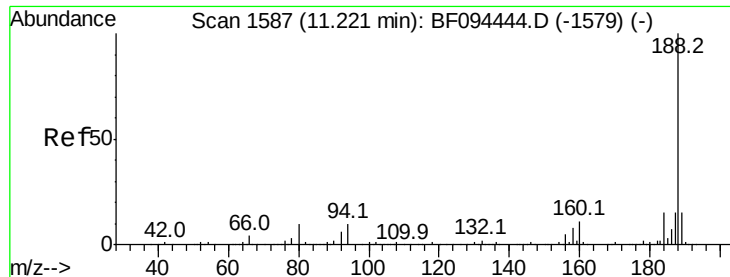
Tot Ion:	165	Resp:	29936
Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#57
 Fluorene
 Concen: 10.66 ng
 RT: 10.05 min Scan# 1380
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Tgt Ion:	166	Resp:	160702
Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.8	118.2
167	13.4	10.6	16.0

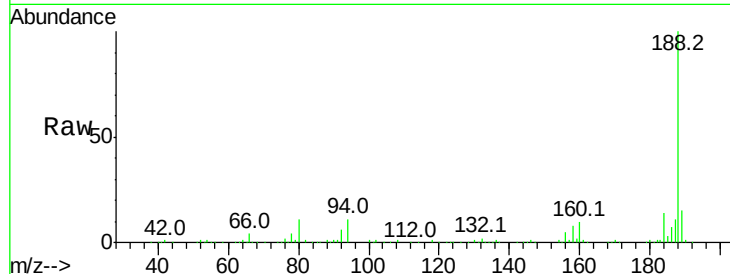




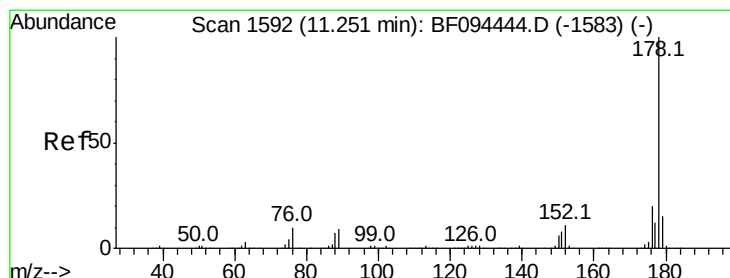
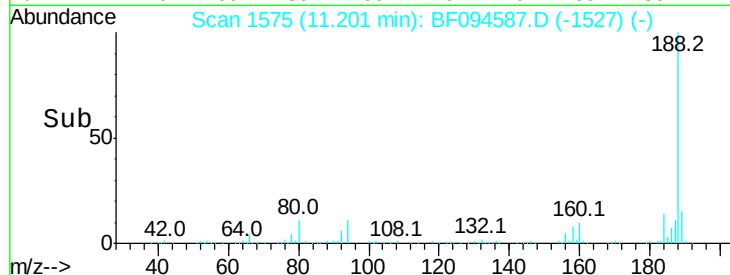
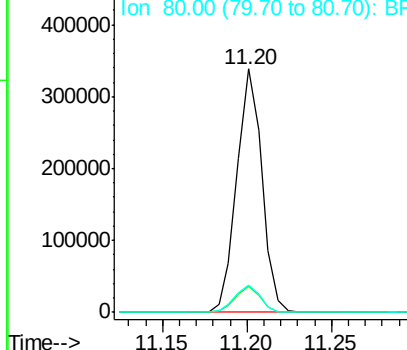
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Instrument :
 BNA_F
 ClientSampled :
 PE-4DL

Tot Ion:188 Resp: 350788
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 11.1 10.2 15.2

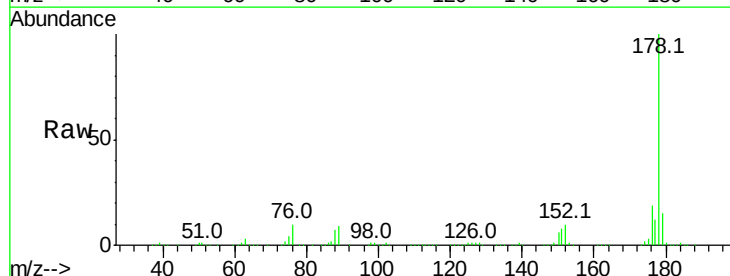


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

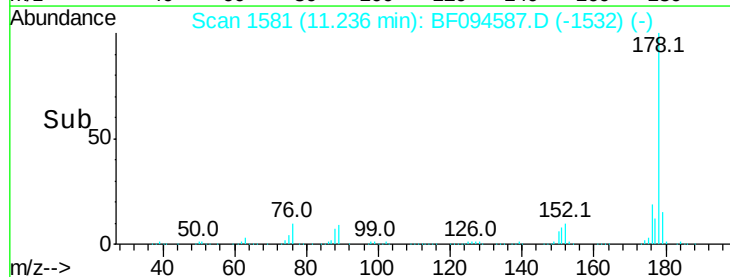
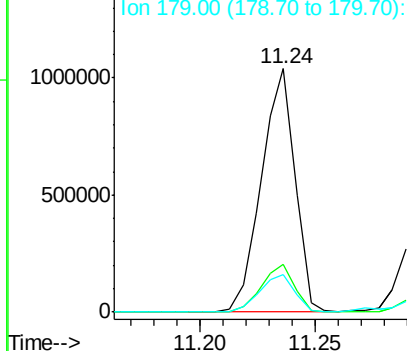


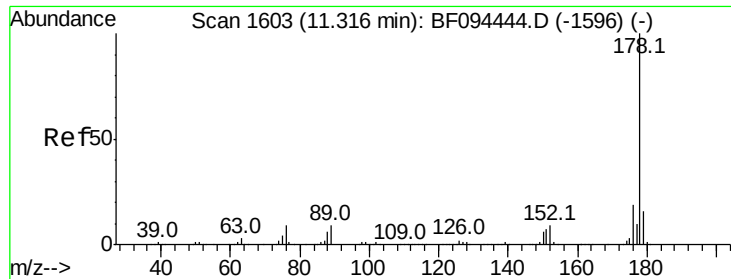
#70
 Phenanthrene
 Concen: 53.32 ng
 RT: 11.24 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Tgt Ion:178 Resp: 1053255
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 15.3 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

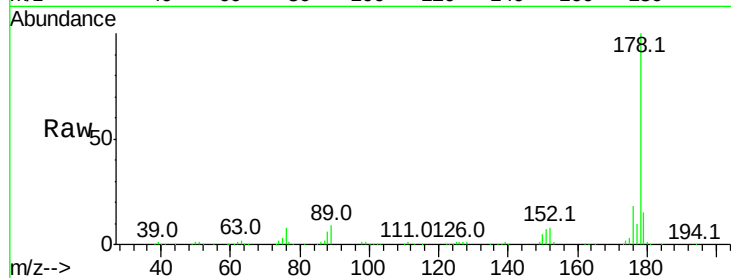




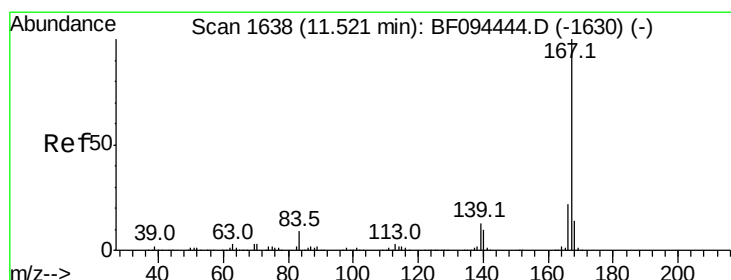
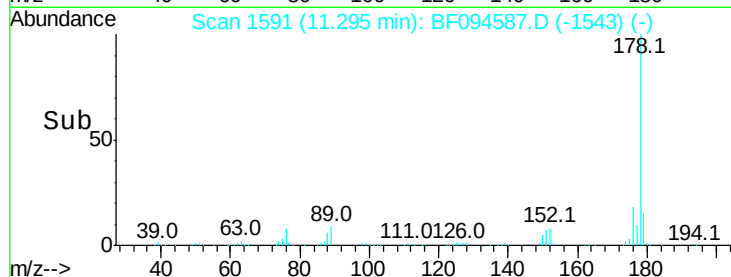
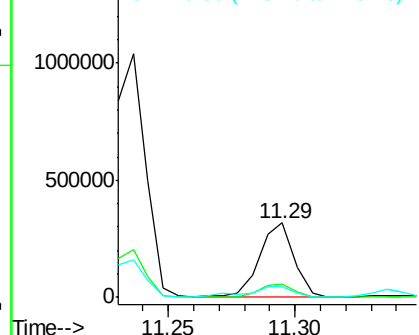
#71
 Anthracene
 Concen: 14.71 ng
 RT: 11.29 min Scan# 1591
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :
 PE-4DL

Tot Ion:178 Resp: 300626
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.8 12.7 19.1

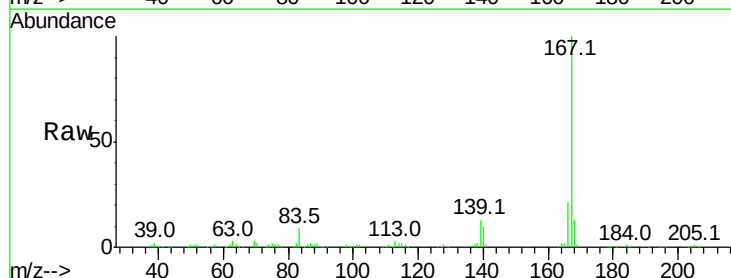


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

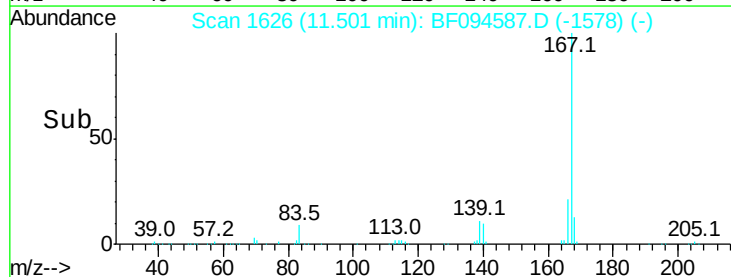
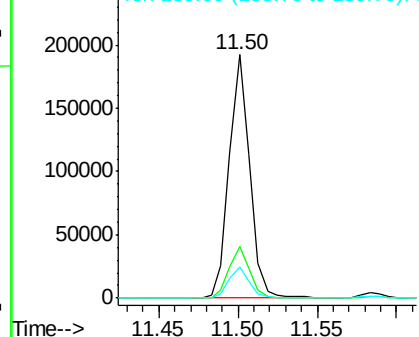


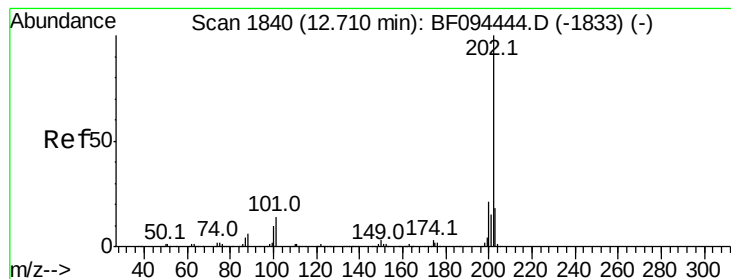
#72
 Carbazole
 Concen: 9.02 ng
 RT: 11.50 min Scan# 1626
 Delta R.T. -0.02 min
 Lab File: BF094587.D
 Acq: 24 Apr 2017 16:09

Tgt Ion:167 Resp: 173033
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.1 27.1
 139 12.6 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 57.00 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PE-4DL

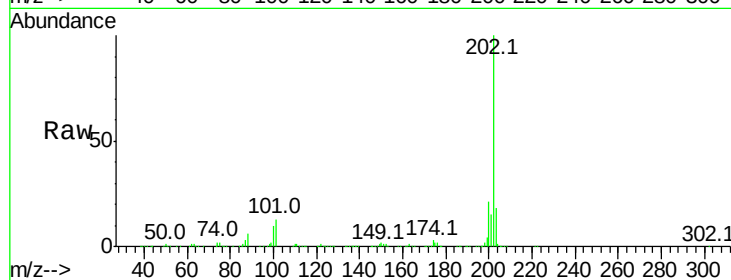
Tot Ion:202 Resp: 1166890

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.6	0.0	38.1

202 100

101 12.8 0.0 33.2

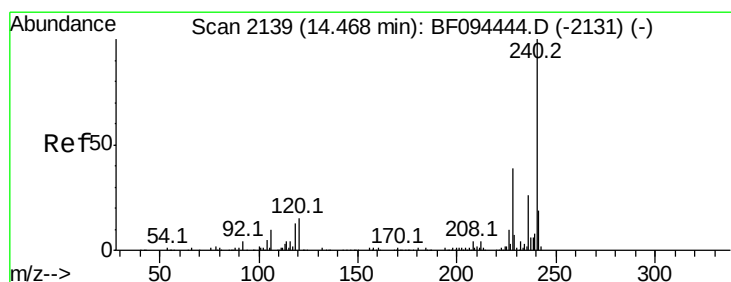
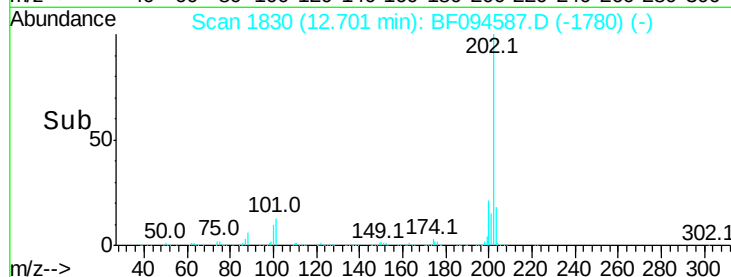
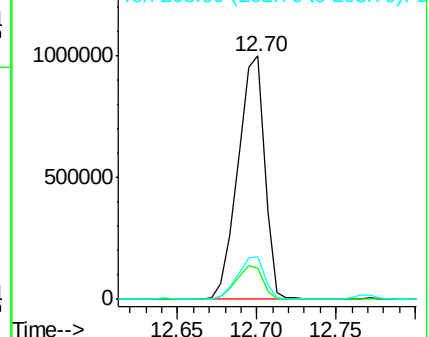
203 17.6 0.0 38.1



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: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

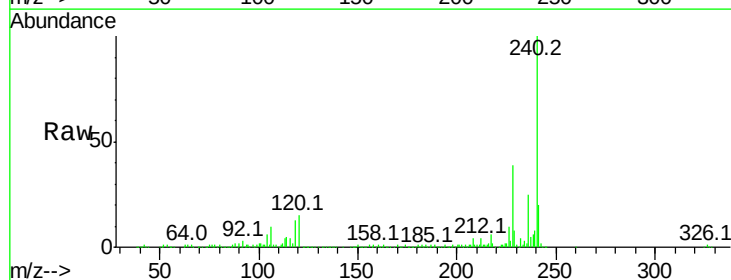
Tgt Ion:240 Resp: 254673

Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.6	20.5	30.7

240 100

120 14.5 5.8 8.8#

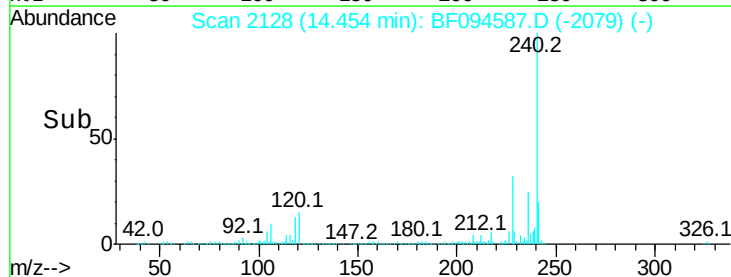
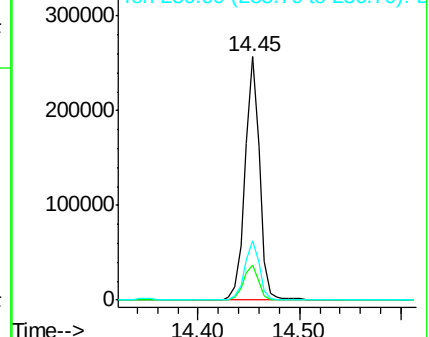
236 24.6 20.5 30.7

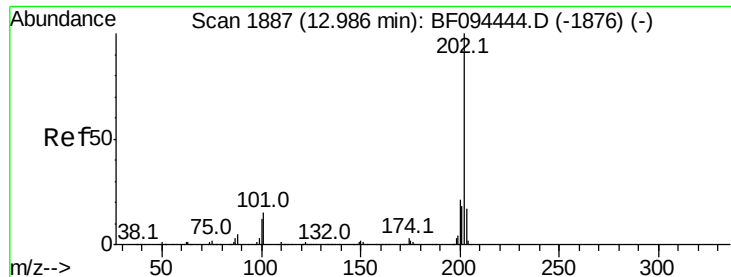


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

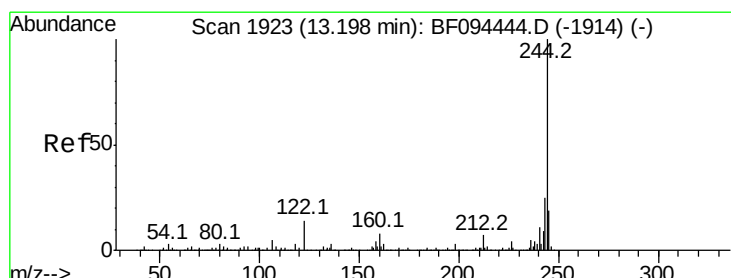
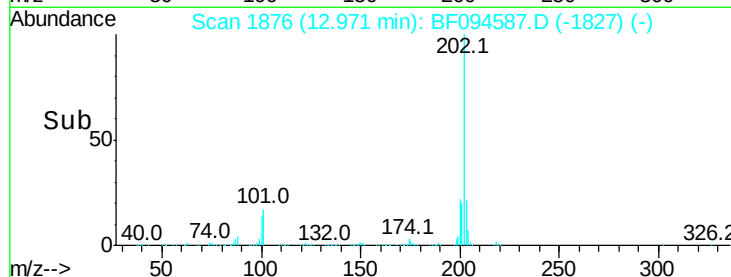
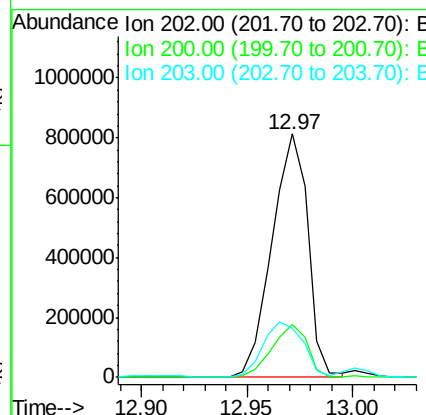
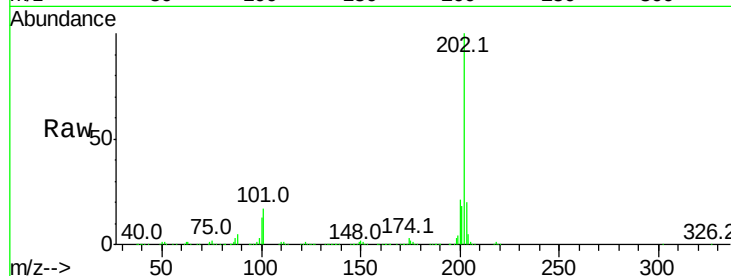




#77
Pvrene
Concen: 54.11 ng
RT: 12.97 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

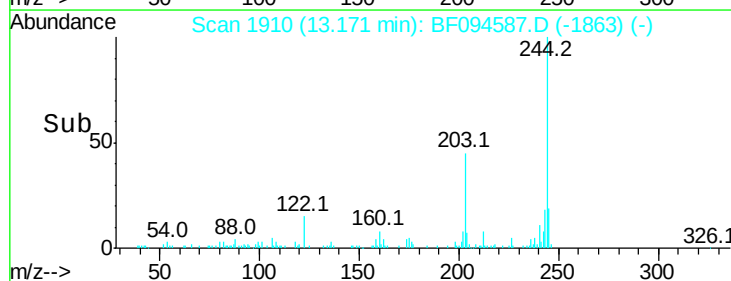
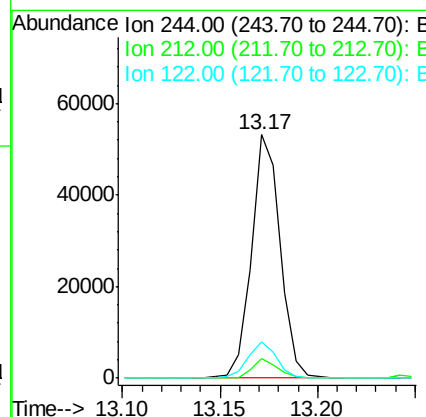
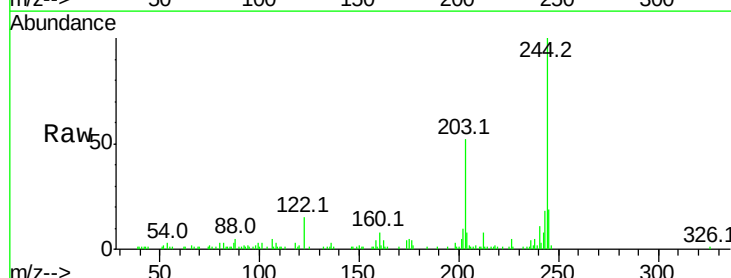
Instrument :
BNA_F
ClientSampled :
PE-4DL

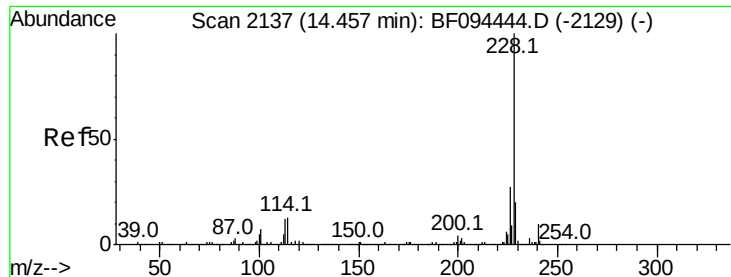
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	20.0	14.4	21.6



#78
Terphenyl-d14
Concen: 5.66 ng
RT: 13.17 min Scan# 1910
Delta R.T. -0.03 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	14.7	10.3	15.5

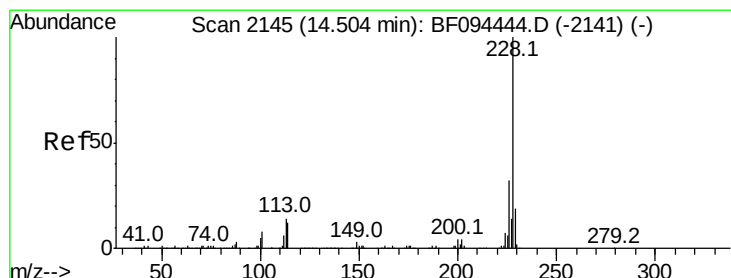
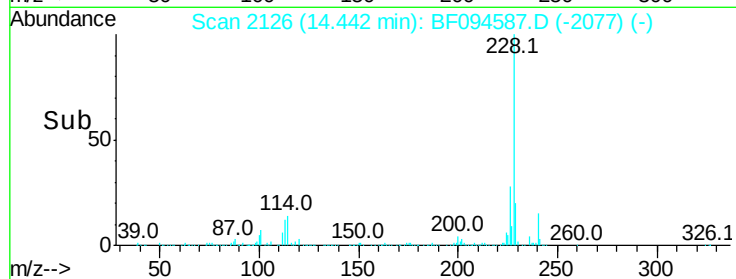
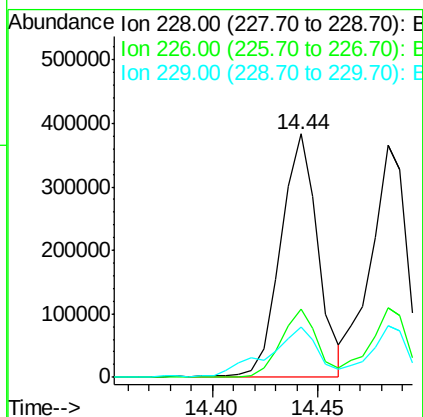
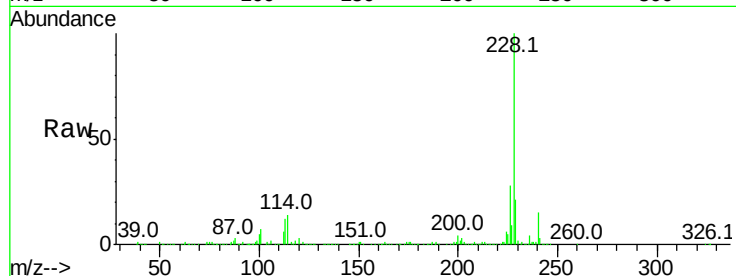




#80
Benzo(a)anthracene
Concen: 31.61 ng
RT: 14.44 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

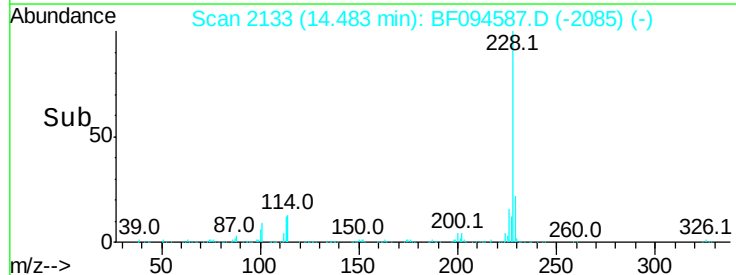
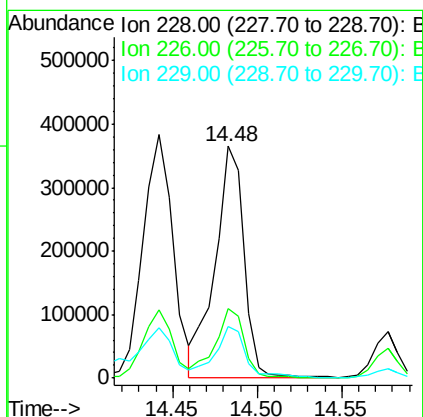
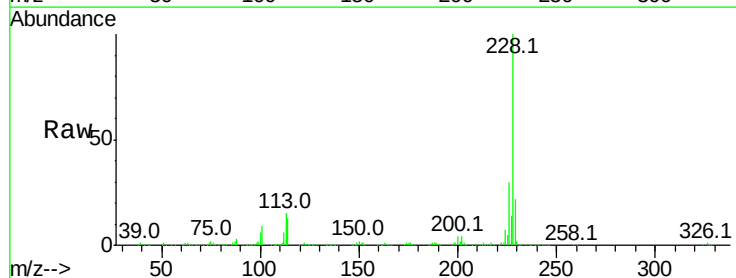
Instrument :
BNA_F
ClientSampled :
PE-4DL

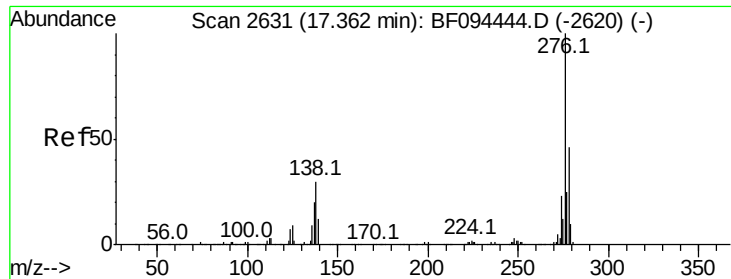
Tot Ion:228 Resp: 467980
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 20.8 16.3 24.5



#82
Chrysene
Concen: 32.27 ng
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion:228 Resp: 436502
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 22.2 15.8 23.6

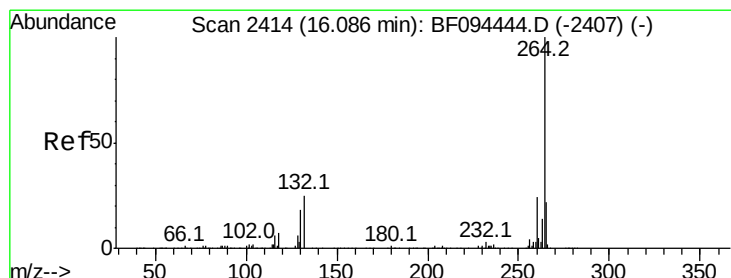
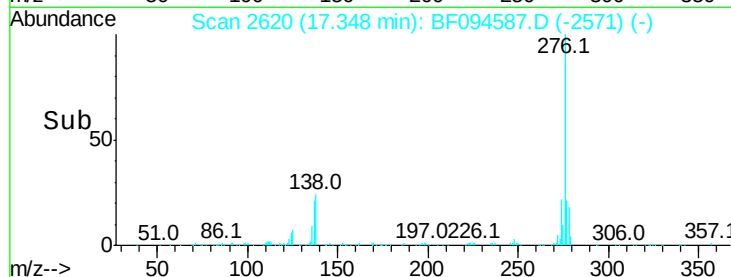
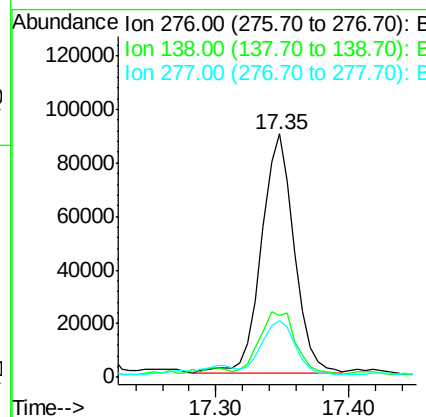
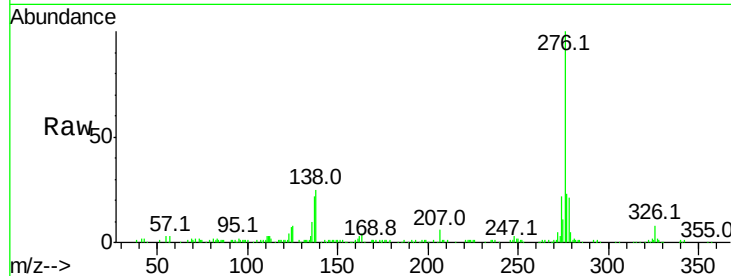




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.73 ng
RT: 17.35 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

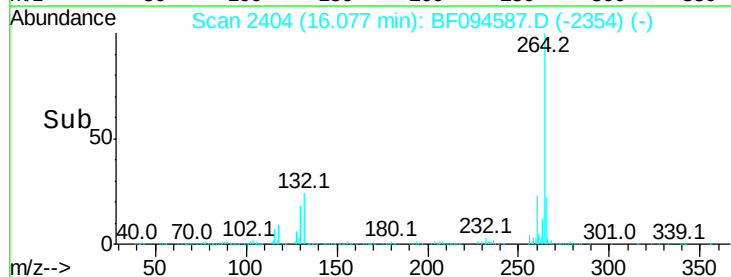
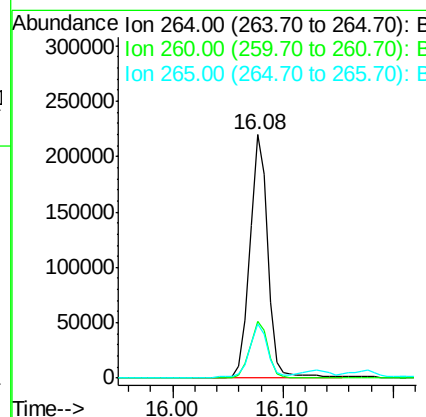
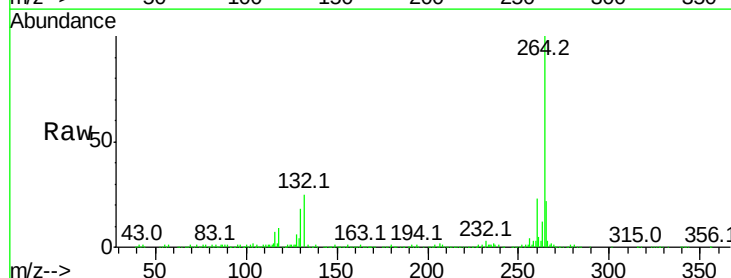
Instrument :
BNA_F
ClientSampleId :
PE-4DL

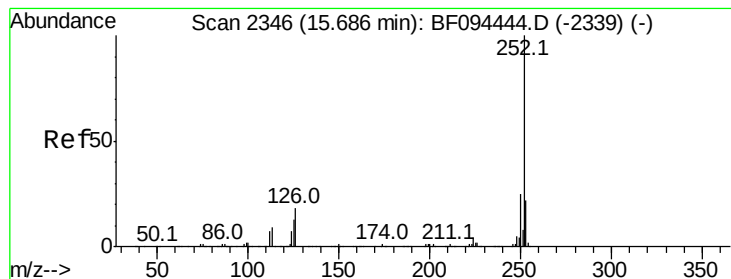
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.9	27.8	41.6
277	24.6	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094587.D
Acq: 24 Apr 2017 16:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 41.66 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PE-4DL

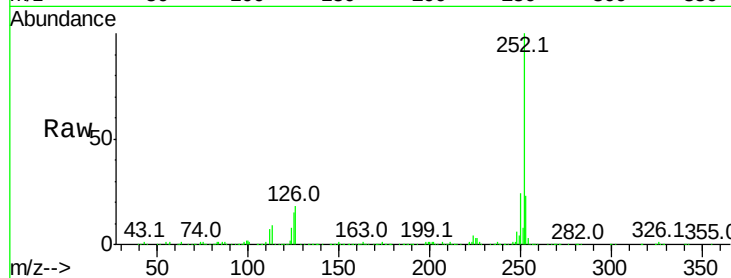
Tot Ion:252 Resp: 643010

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

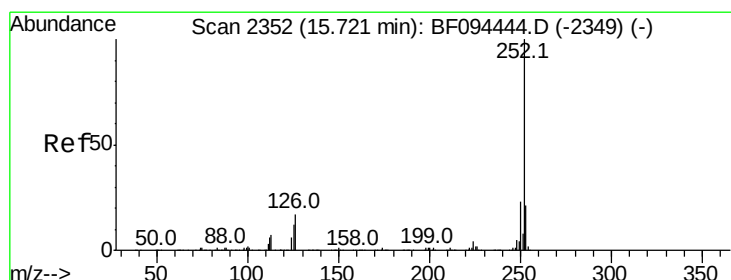
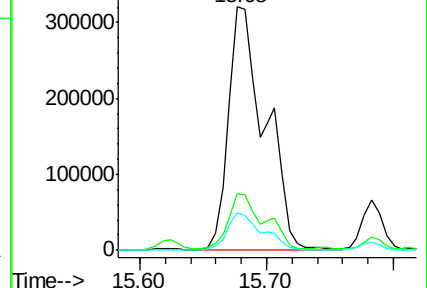
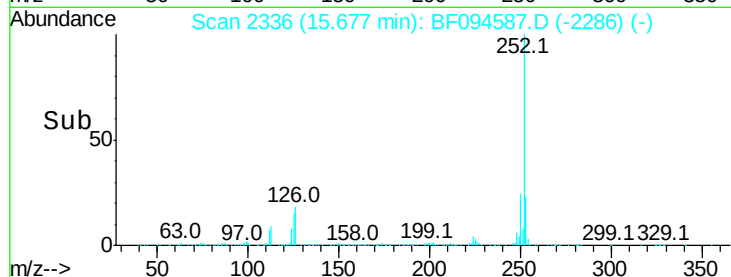
125 15.2 9.8 14.8#



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: 44.02 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.04 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

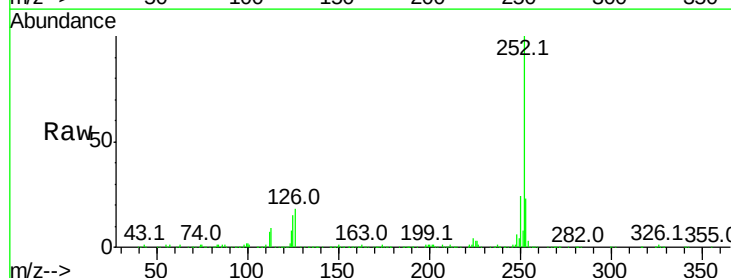
Tgt Ion:252 Resp: 643010

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

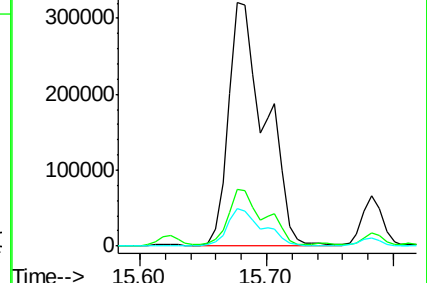
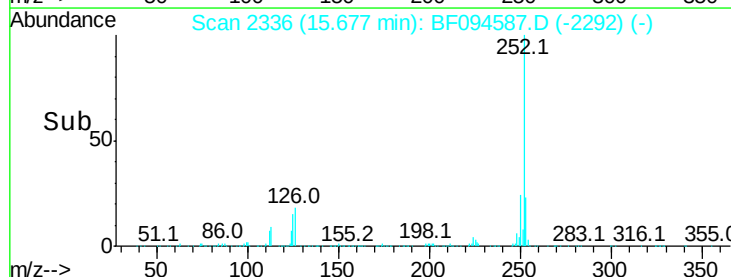
125 15.2 13.1 19.7

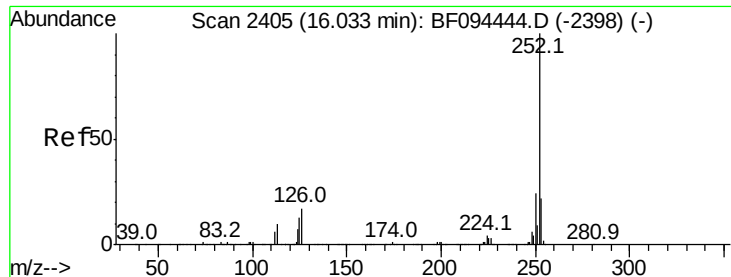


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 23.26 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Instrument :

BNA_F

ClientSampled :

PE-4DL

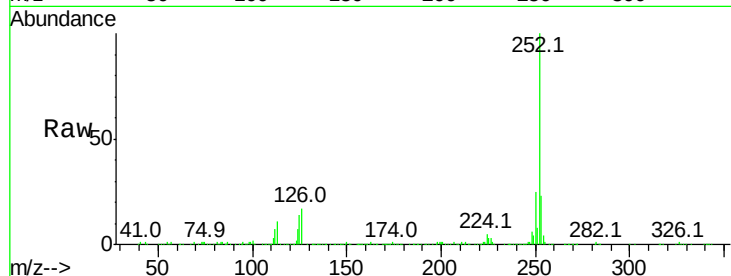
Tot Ion:252 Resp: 333965

Ion Ratio Lower Upper

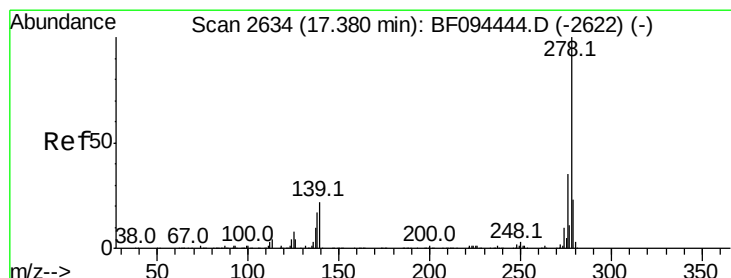
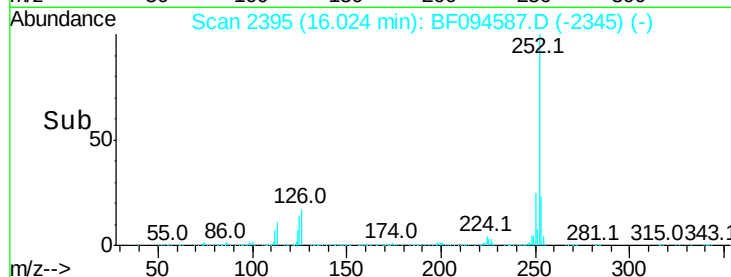
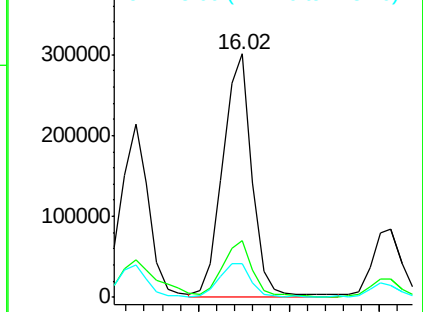
252 100

253 23.3 17.5 26.3

125 14.0 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



#90

Dibenzo(a,h)anthracene

Concen: 3.16 ng

RT: 17.35 min Scan# 2621

Delta R.T. -0.03 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

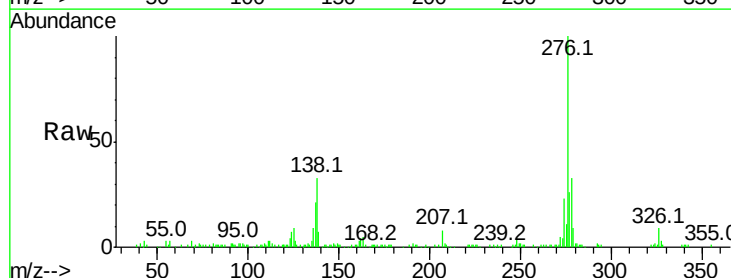
Tgt Ion:278 Resp: 37681

Ion Ratio Lower Upper

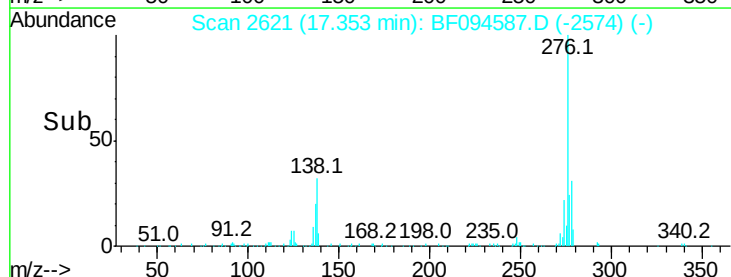
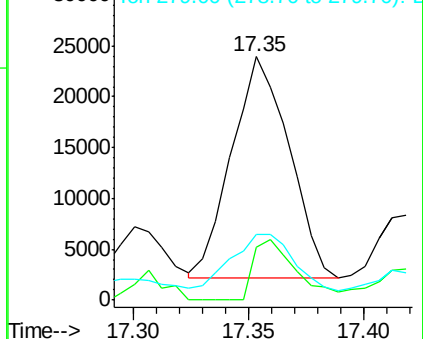
278 100

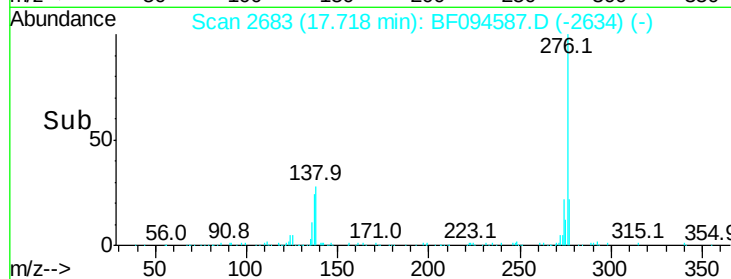
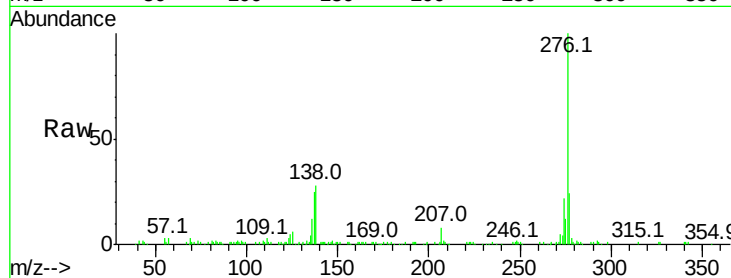
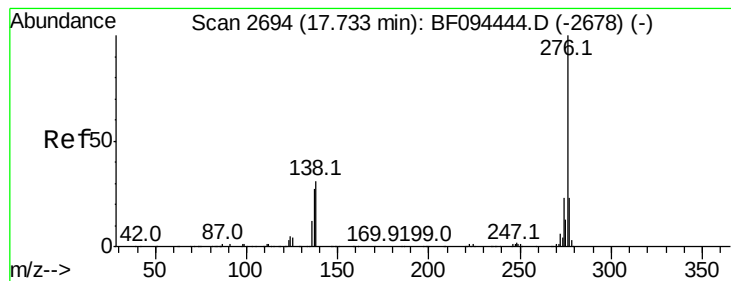
139 21.9 16.6 24.8

279 27.2 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 11.48 ng

RT: 17.72 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BF094587.D

Acq: 24 Apr 2017 16:09

Instrument :

BNA_F

ClientSampleId :

PE-4DL

Tot Ion:276 Resp: 139382

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 28.3 25.4 38.0

