

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094242.D
 Acq On : 6 Apr 2017 21:41
 Operator : SJ/MA
 Sample : I2528-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-5

Quant Time: Apr 07 01:06:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

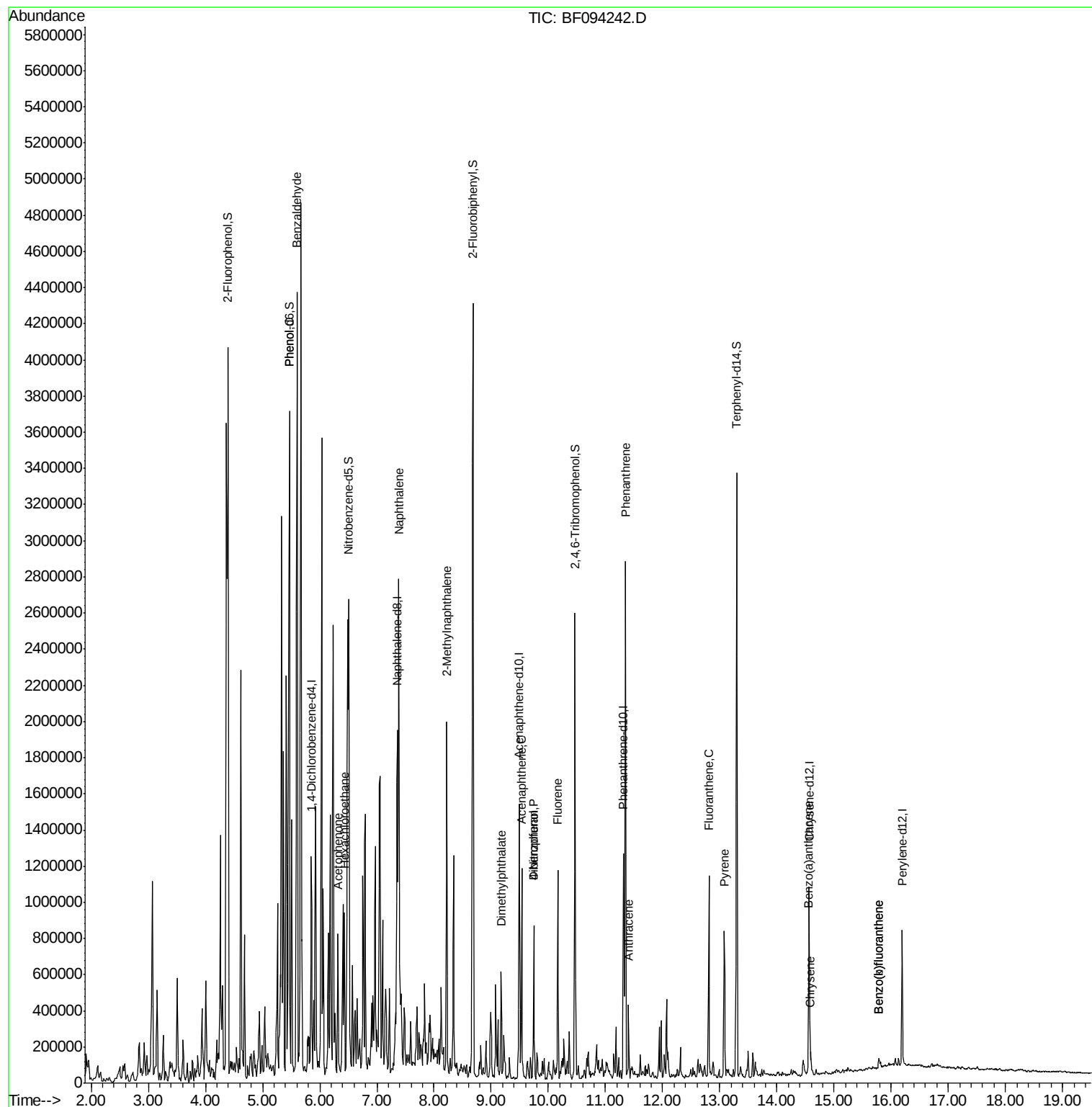
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	171598	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	680775	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	321317	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	553744	20.00	ng	0.00
75) Chrysene-d12	14.56	240	360530	20.00	ng	-0.01
86) Perylene-d12	16.19	264	287768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1391583	136.97	ng	0.01
7) Phenol-d6	5.47	99	1833362	145.87	ng	0.00
23) Nitrobenzene-d5	6.50	82	1089928	91.37	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	360181	141.85	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1671800	79.36	ng	0.00
78) Terphenyl-d14	13.30	244	1239201	77.04	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.60	77	31525	3.71	ng	81
10) Phenol	5.47	94	132190	9.24	ng	98
18) Hexachloroethane	6.43	117	25860	5.80	ng	# 1
22) Acetophenone	6.32	105	243444	16.04	ng	# 49
31) Naphthalene	7.38	128	1232373	37.65	ng	100
37) 2-Methylnaphthalene	8.22	142	628368	28.80	ng	98
49) Dimethylphthalate	9.17	163	250460	10.97	ng	99
51) Acenaphthene	9.53	154	265704	13.51	ng	99
54) Dibenzofuran	9.75	168	333215	12.44	ng	98
55) 4-Nitrophenol	9.75	139	124967	25.95	ng	# 27
57) Fluorene	10.17	166	346563	15.60	ng	99
70) Phenanthrene	11.35	178	1195074	38.80	ng	100
71) Anthracene	11.41	178	167586	5.28	ng	98
74) Fluoranthene	12.81	202	498610	15.81	ng	99
77) Pyrene	13.08	202	330158	12.62	ng	96
80) Benzo(a)anthracene	14.55	228	52562	2.50	ng	94
82) Chrysene	14.59	228	50797	2.60	ng	96
87) Benzo(b)fluoranthene	15.79	252	38634	2.19	ng	# 94
88) Benzo(k)fluoranthene	15.79	252	38634	2.24	ng	98

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

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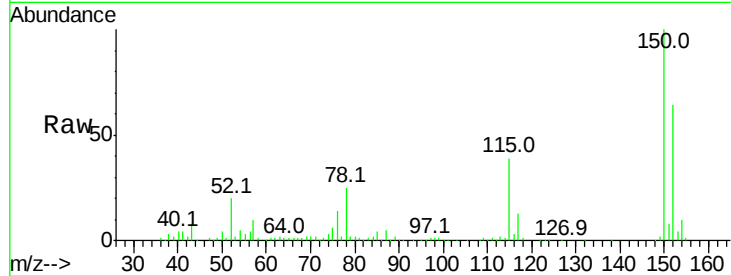


#1

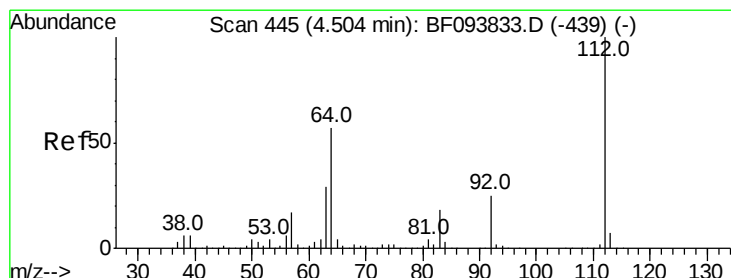
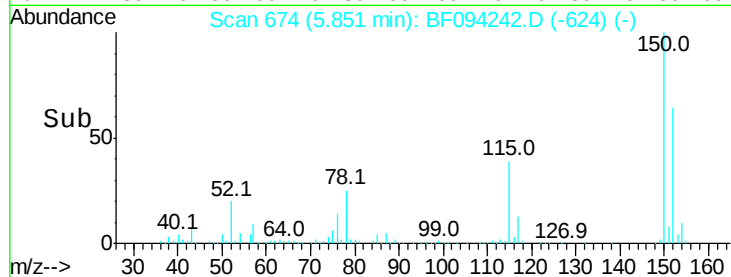
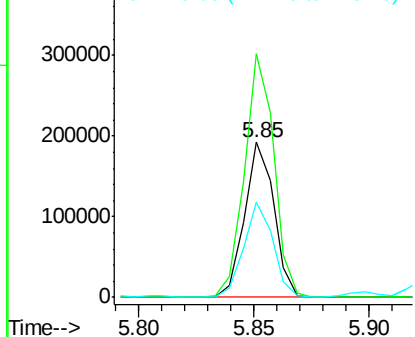
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion:152 Resp: 171598
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 61.7 52.2 78.2



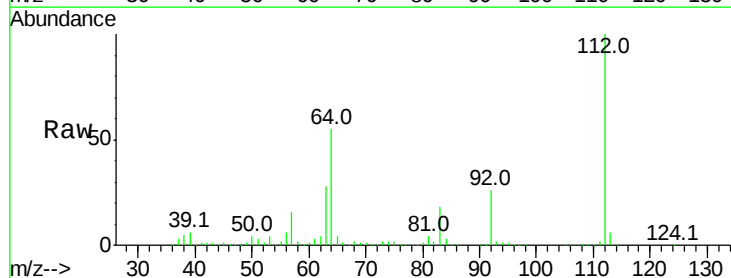
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



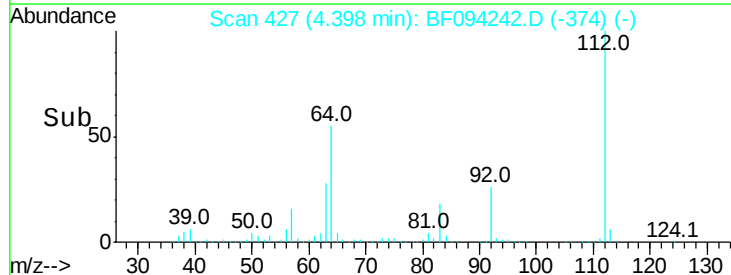
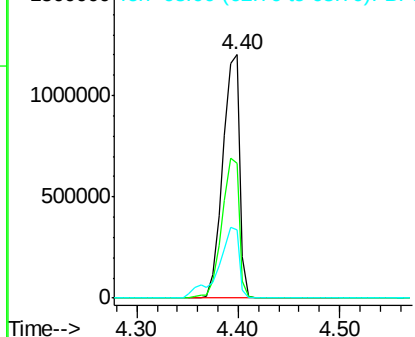
#5

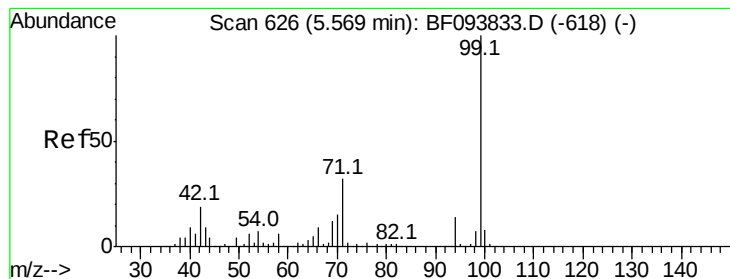
2-Fluorophenol
Concen: 136.97 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:112 Resp: 1391583
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 28.0 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: 145.87 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

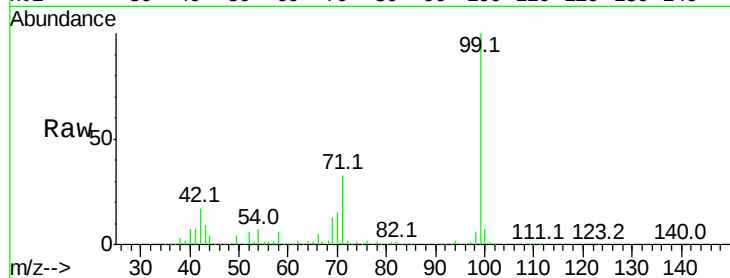
Tot Ion: 99 Resp: 1833362

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

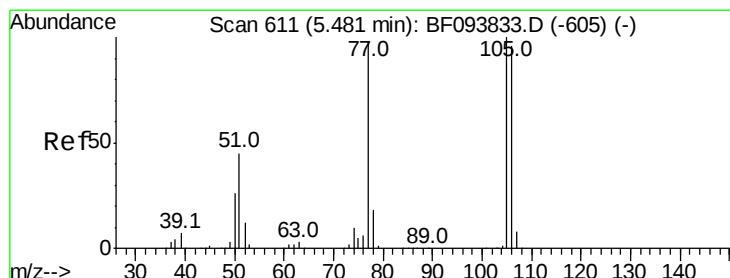
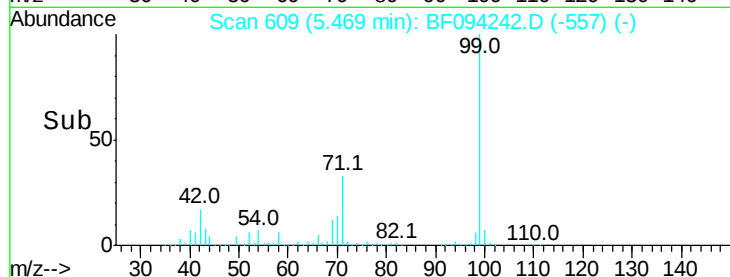
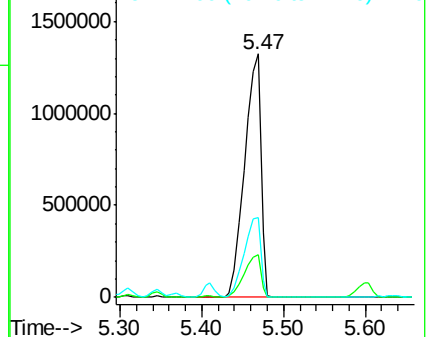
71 33.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.71 ng

RT: 5.60 min Scan# 632

Delta R.T. 0.25 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

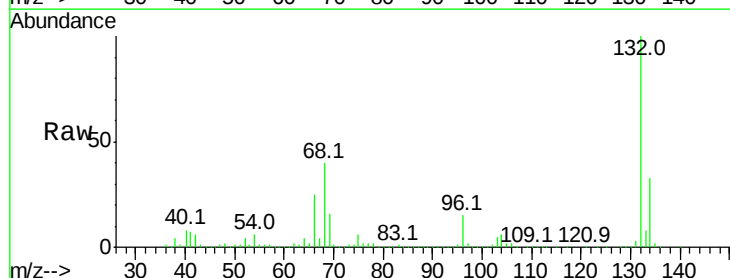
Tgt Ion: 77 Resp: 31525

Ion Ratio Lower Upper

77 100

105 85.6 83.8 123.8

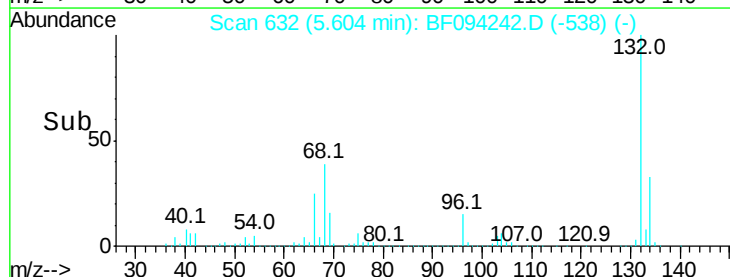
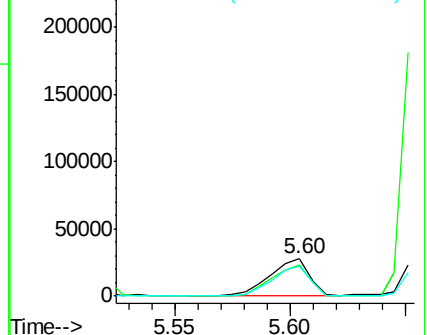
106 79.7 79.1 119.1

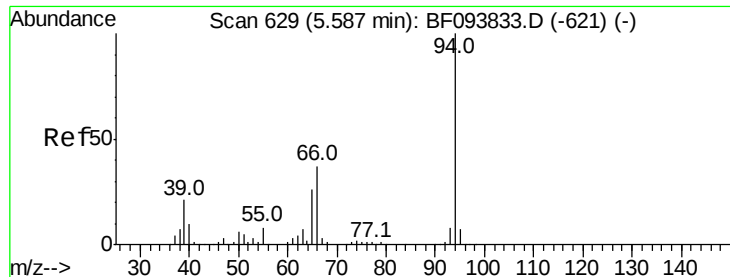


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 9.24 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

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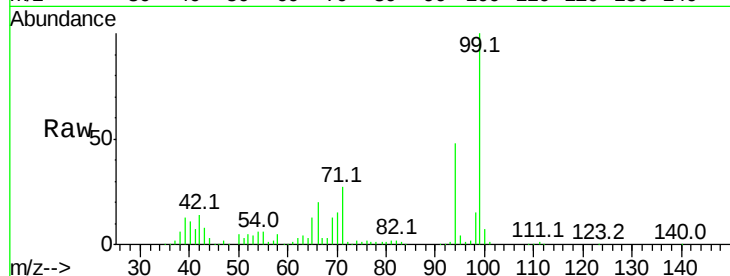
Tot Ion: 94 Resp: 132190

Ion Ratio Lower Upper

94 100

65 28.2 9.9 49.9

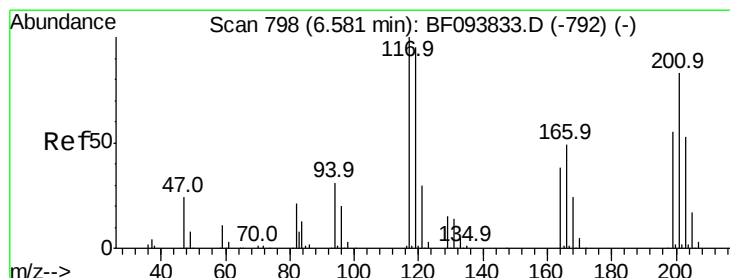
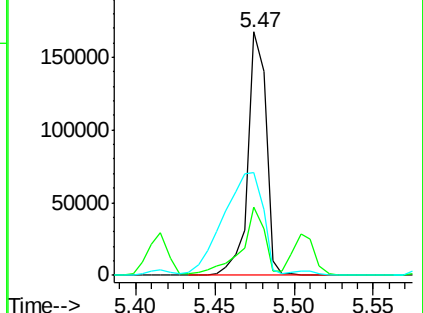
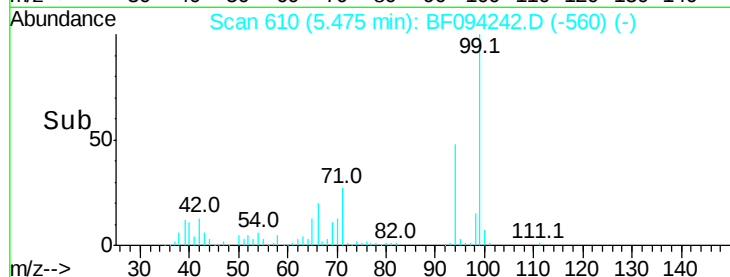
66 42.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#18

Hexachloroethane

Concen: 5.80 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

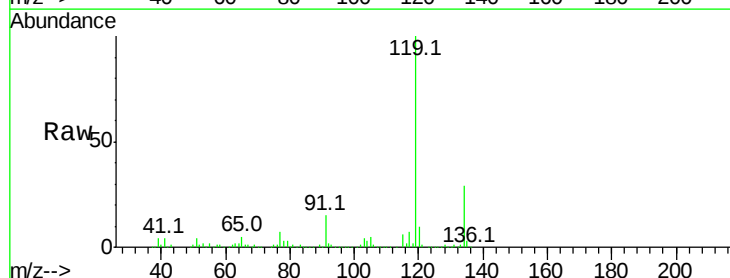
Tgt Ion: 117 Resp: 25860

Ion Ratio Lower Upper

117 100

119 1415.5 77.4 116.0#

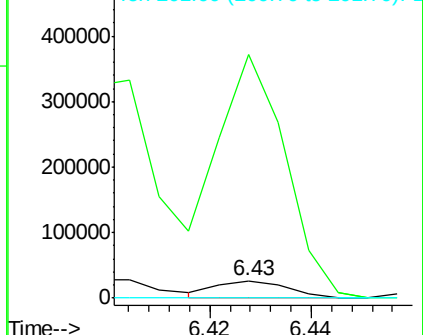
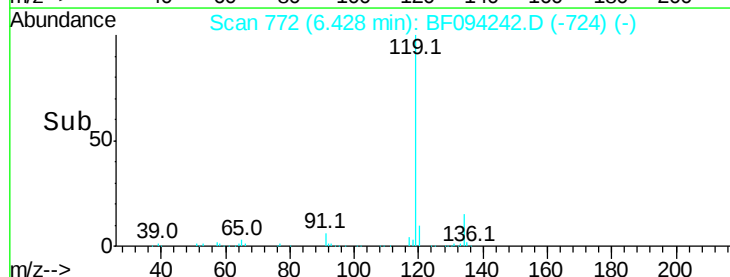
201 0.0 94.6 141.8#

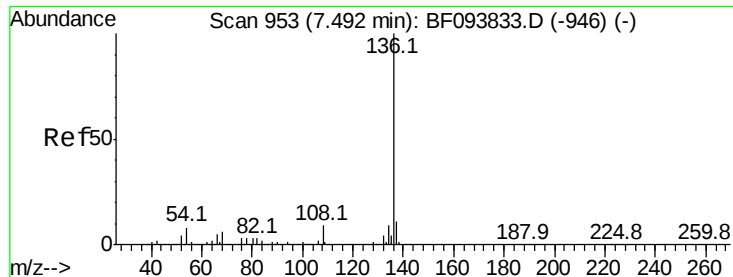


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

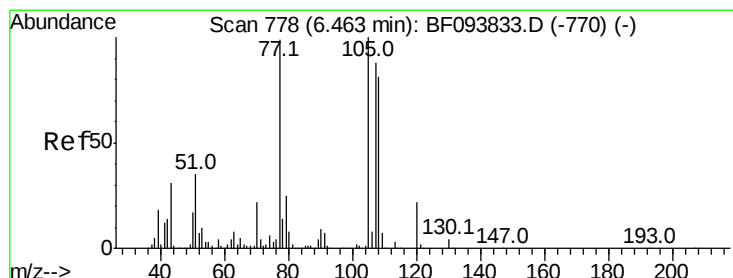
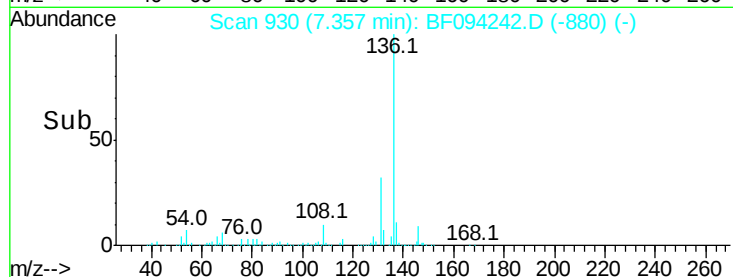
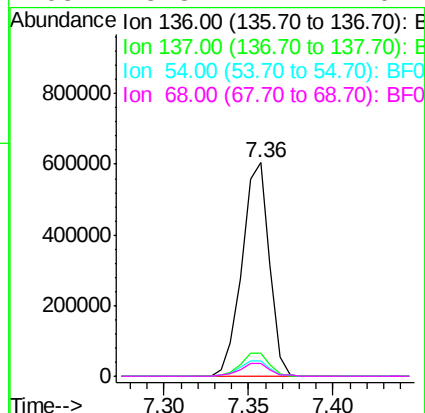
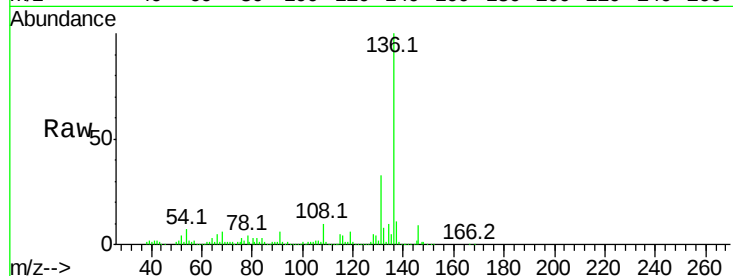




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

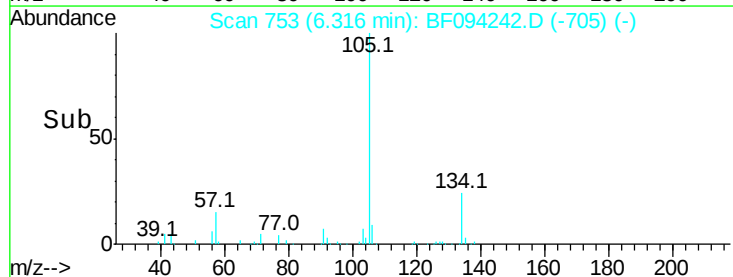
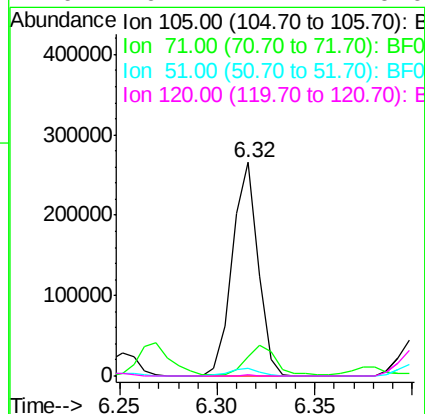
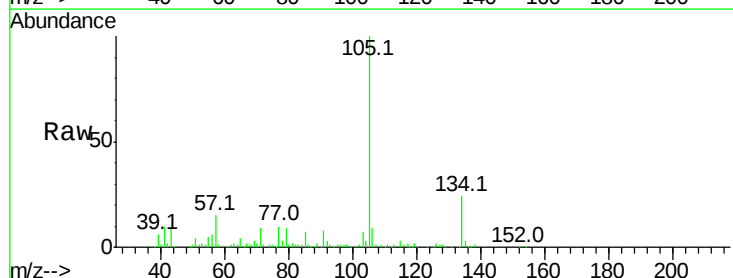
Instrument :
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ClientSampleId :
TS-5

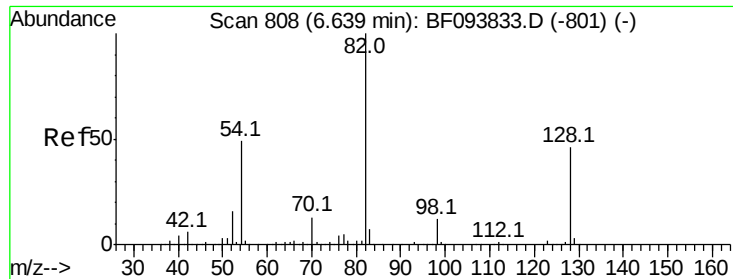
Tot Ion:136	Resp:	680775
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.5 12.7
54	7.5	4.9 7.3#
68	5.8	4.1 6.1



#22
Acetophenone
Concen: 16.04 ng
RT: 6.32 min Scan# 753
Delta R.T. -0.02 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:105	Resp:	243444
Ion	Ratio	Lower Upper
105	100	
71	9.0	2.8 4.2#
51	3.9	30.7 46.1#
120	0.4	17.4 26.0#



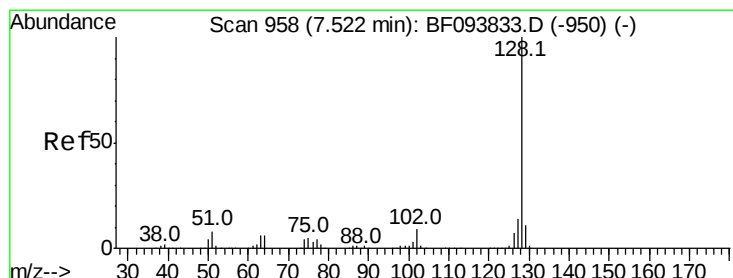
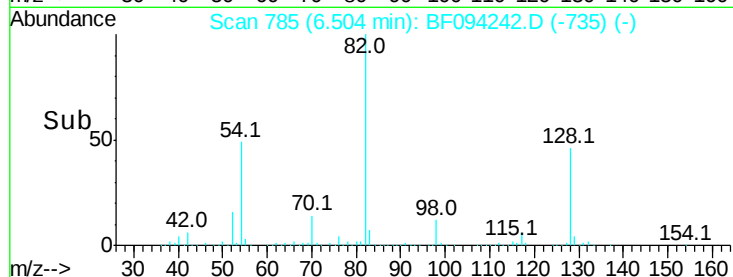
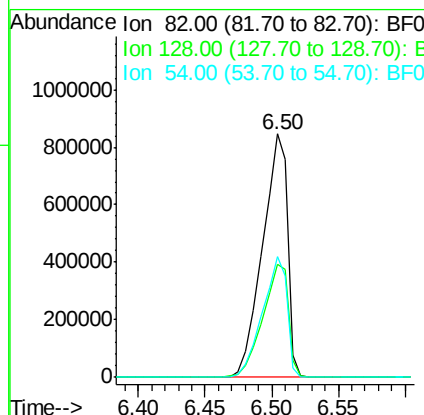
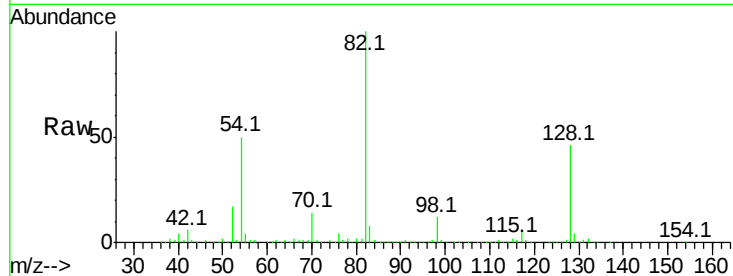


#23
 Nitrobenzene-d5
 Concen: 91.37 ng
 RT: 6.50 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TS-5

Tot Ion: 82 Resp: 1089928

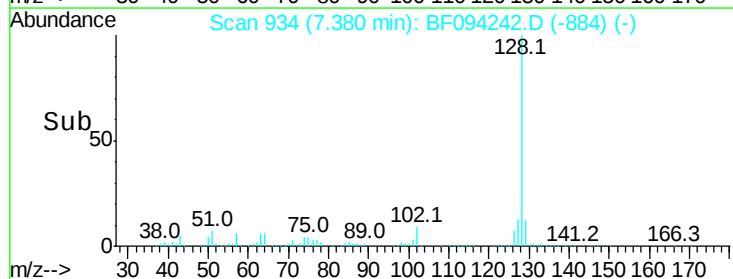
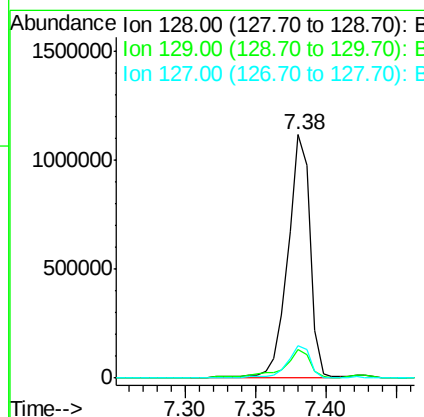
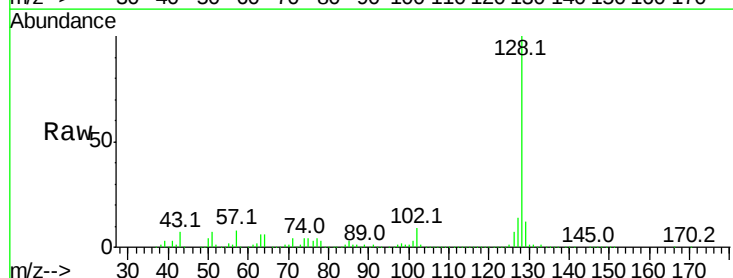
Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	49.5	42.2	63.2

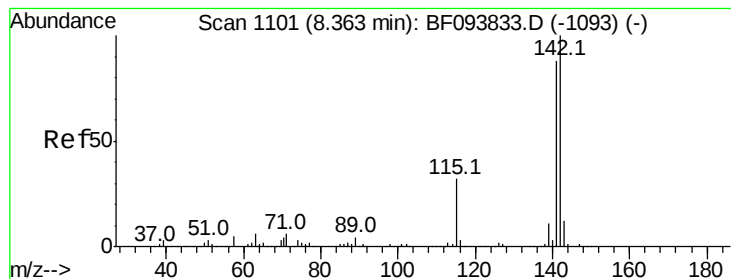


#31
 Naphthalene
 Concen: 37.65 ng
 RT: 7.38 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion:128 Resp: 1232373

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.5	10.8	16.2

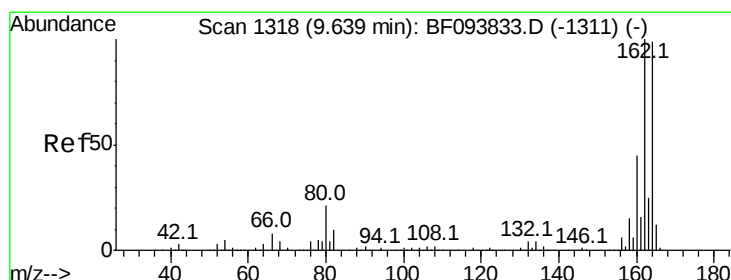
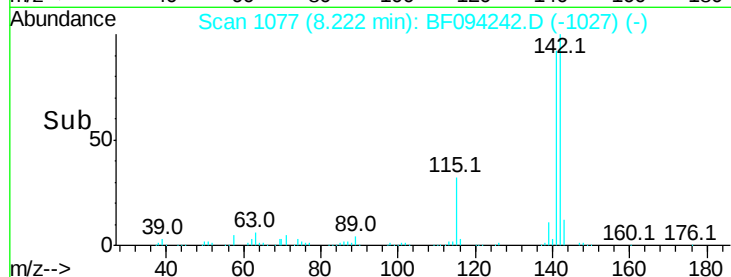
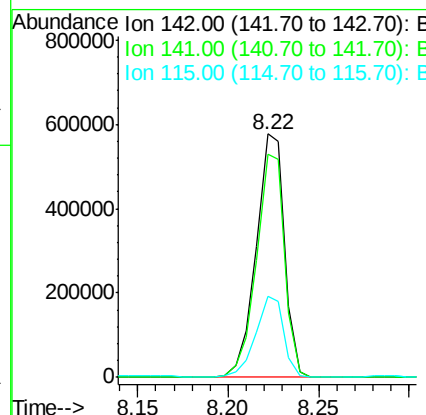
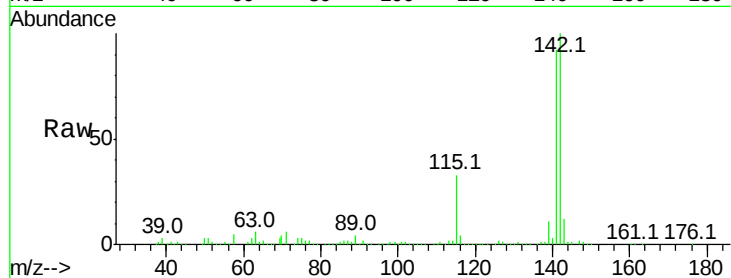




#37
 2-Methylnaphthalene
 Concen: 28.80 ng
 RT: 8.22 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

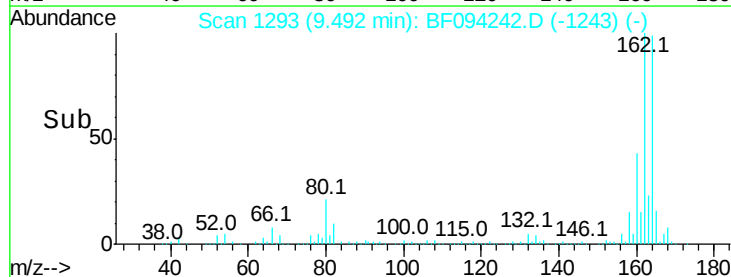
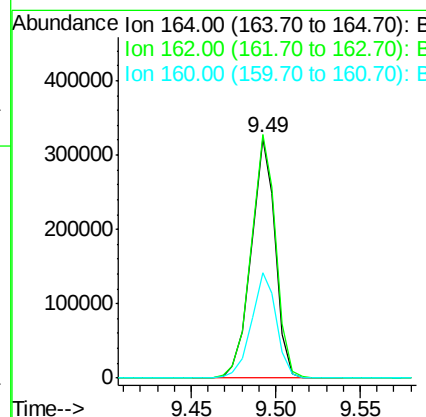
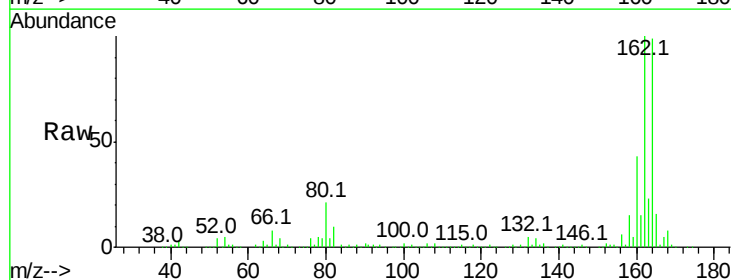
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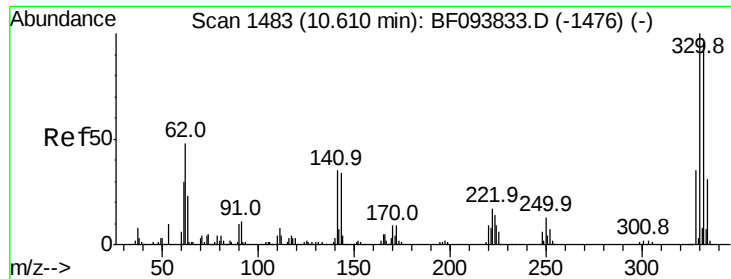
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.3	106.9
115	33.4	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	43.8	36.2	54.2

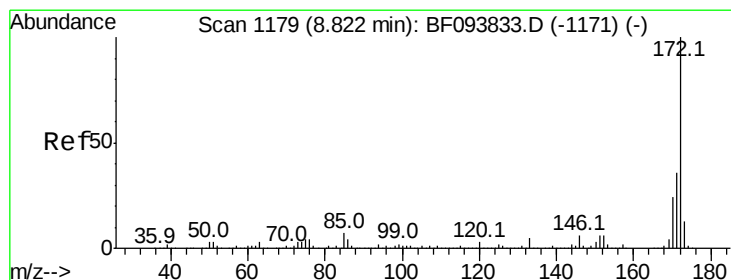
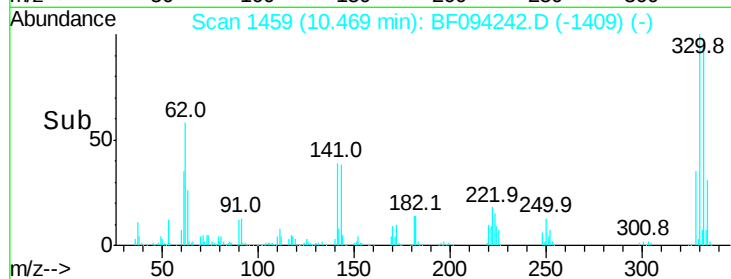
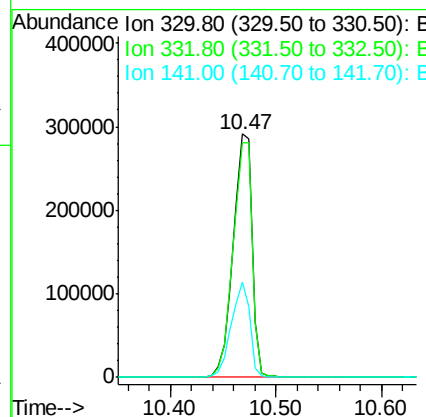
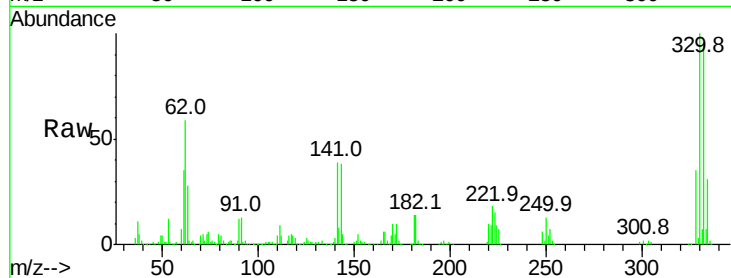




#41
 2,4,6-Tribromophenol
 Concen: 141.85 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

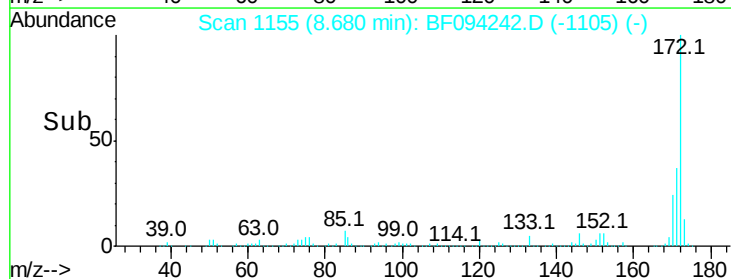
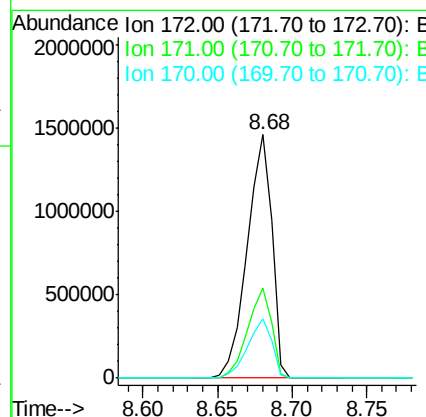
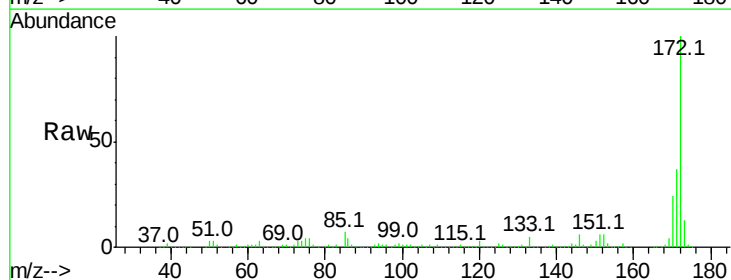
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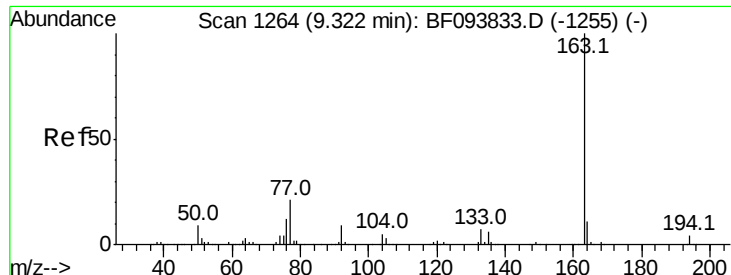
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	38.0	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 79.36 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.2	19.8	29.8

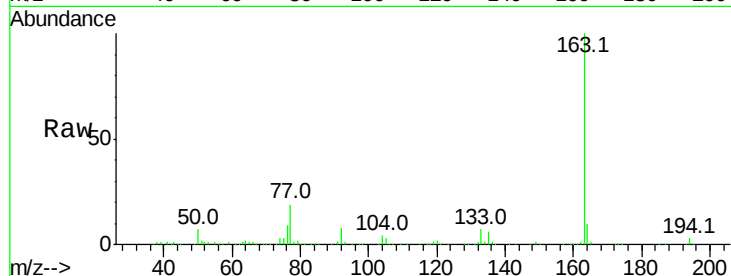




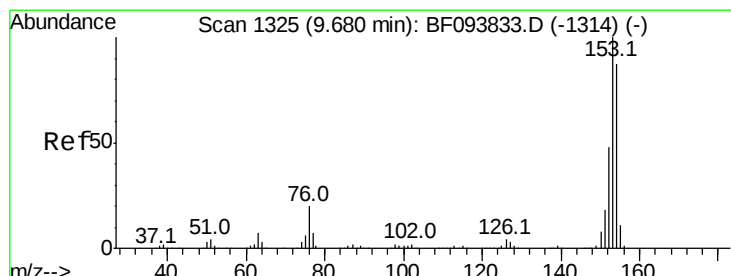
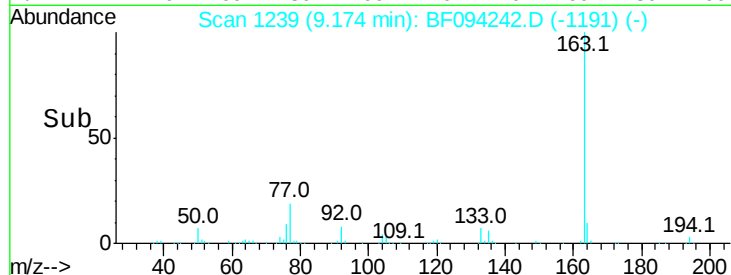
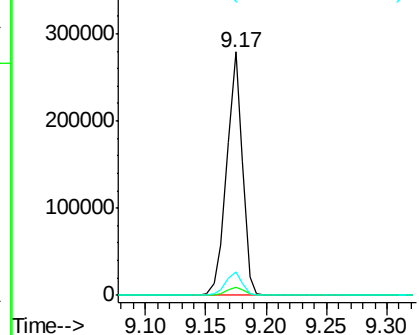
#49
Dimethylphthalate
Concen: 10.97 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion:163 Resp: 250460
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.8 8.4 12.6

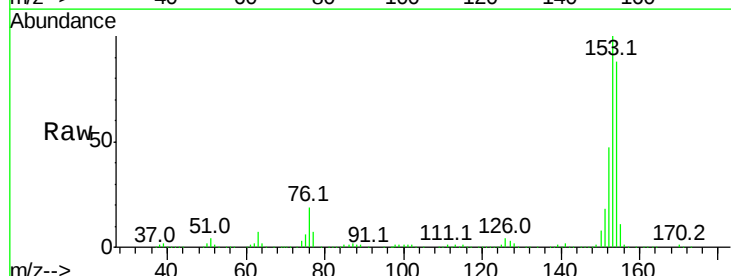


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

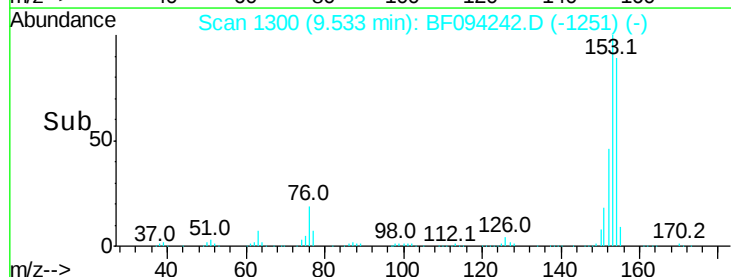
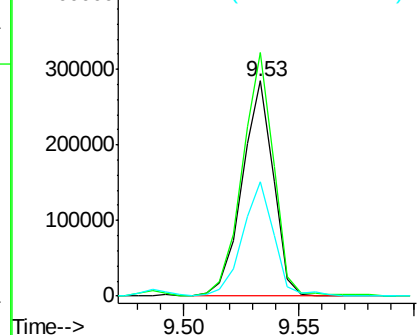


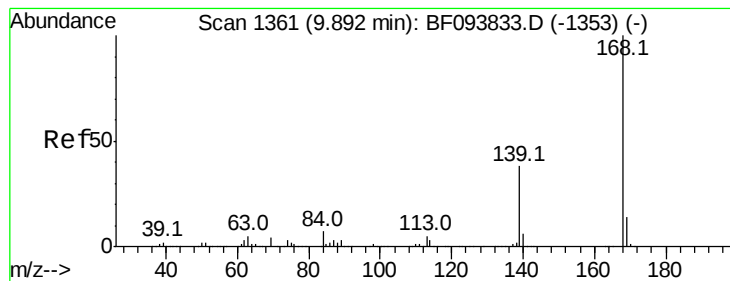
#51
Acenaphthene
Concen: 13.51 ng
RT: 9.53 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:154 Resp: 265704
Ion Ratio Lower Upper
154 100
153 113.3 90.5 135.7
152 53.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 12.44 ng

RT: 9.75 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

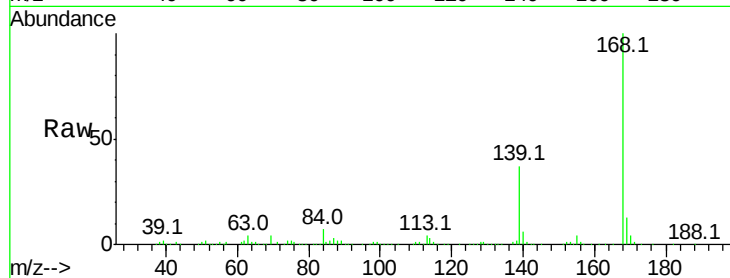
Tot Ion:168 Resp: 333215

Ion Ratio Lower Upper

168 100

139 37.0 30.6 45.8

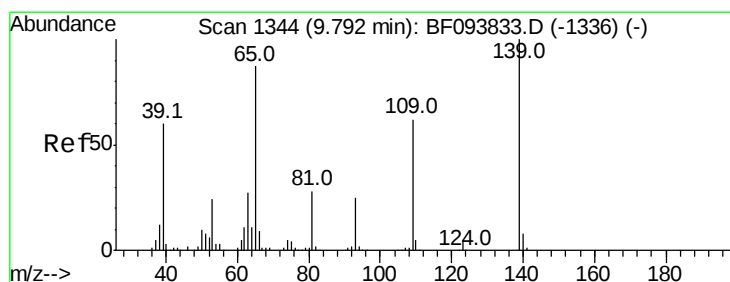
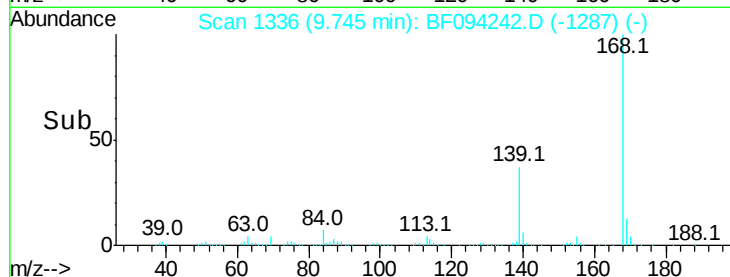
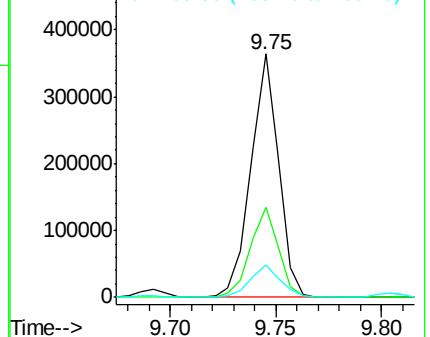
169 13.3 10.8 16.2



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: 25.95 ng

RT: 9.75 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

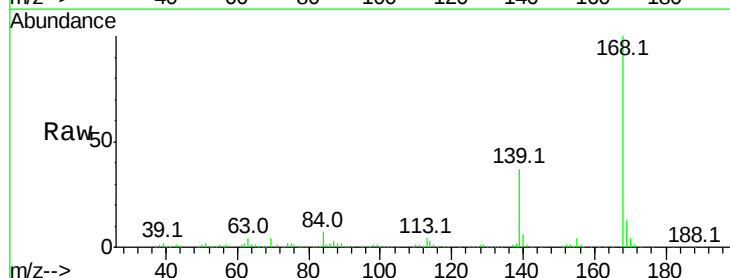
Tgt Ion:139 Resp: 124967

Ion Ratio Lower Upper

139 100

109 0.9 34.1 74.1#

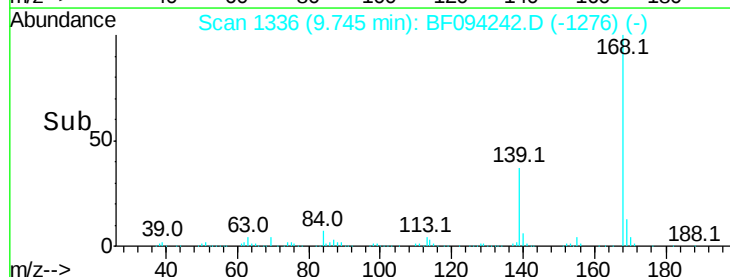
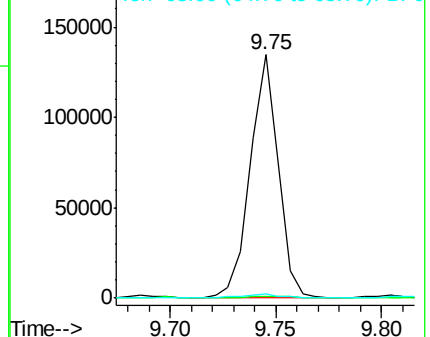
65 1.7 31.4 71.4#

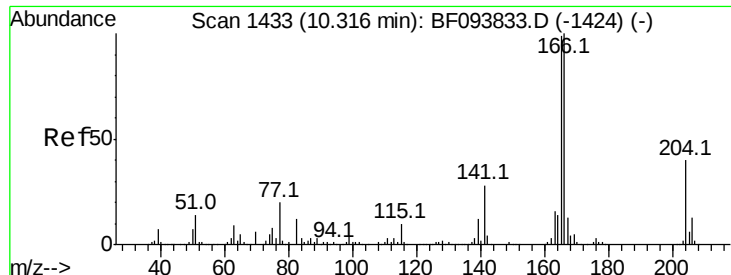


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

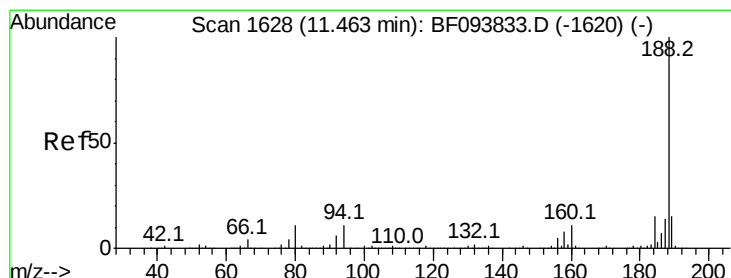
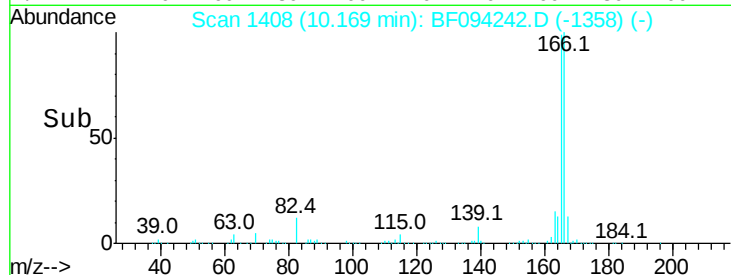
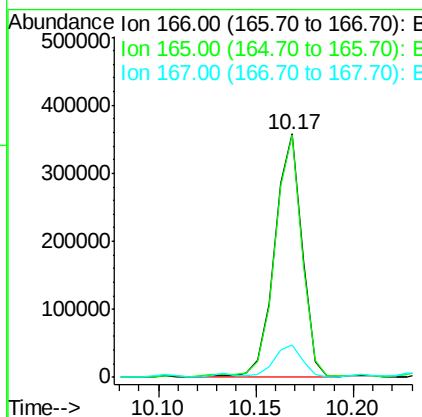
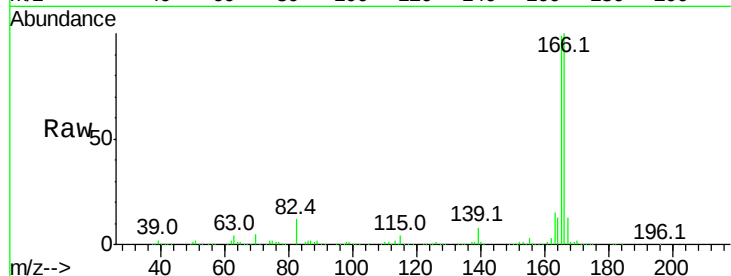




#57
Fluorene
 Concen: 15.60 ng
 RT: 10.17 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

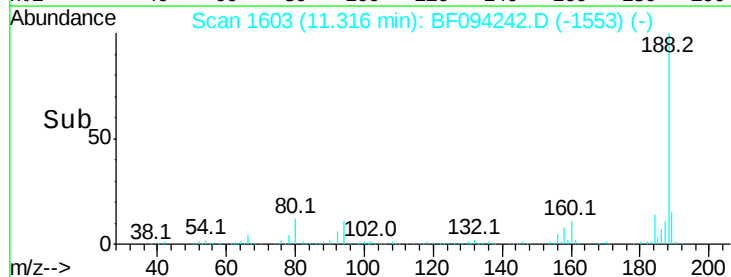
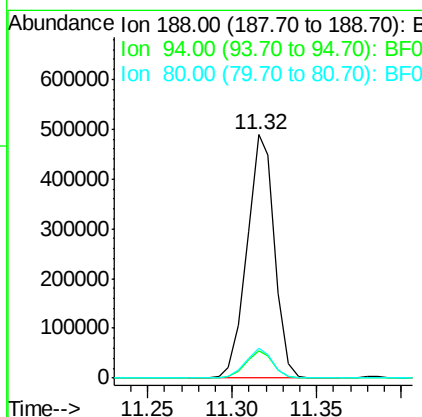
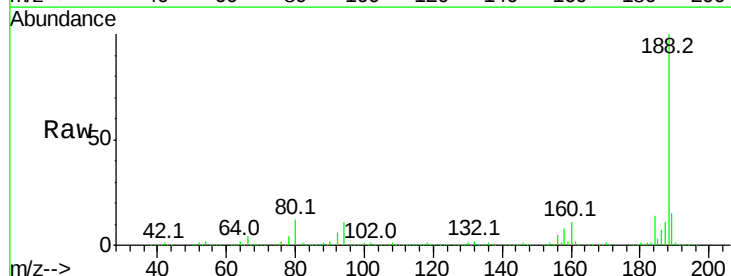
Instrument :
 BNA_F
 ClientSampleId :
 TS-5

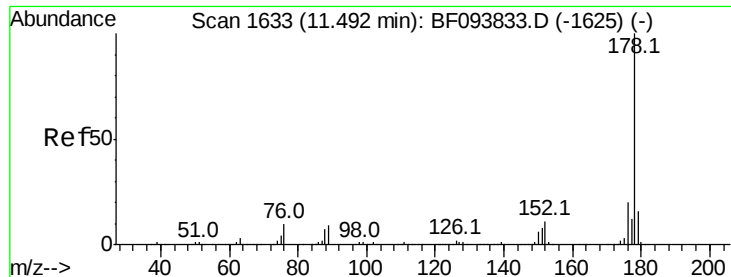
Tot Ion:166 Resp: 346563
 Ion Ratio Lower Upper
 166 100
 165 99.4 78.8 118.2
 167 13.4 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion:188 Resp: 553744
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 12.1 10.2 15.2

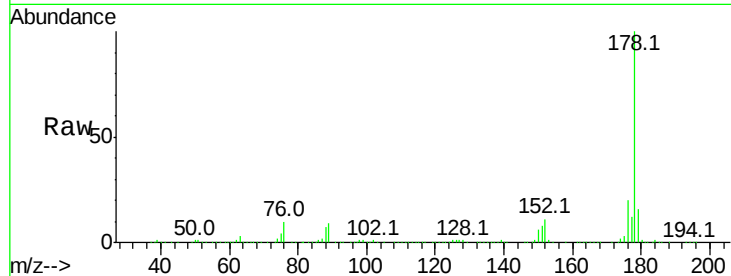




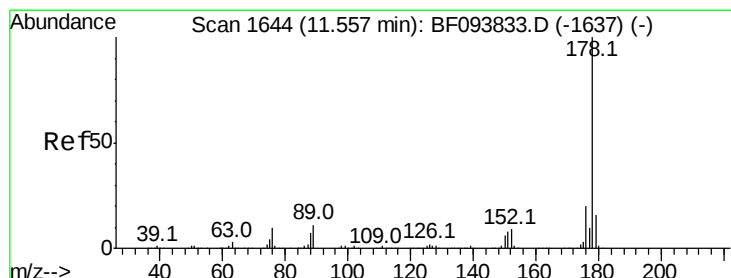
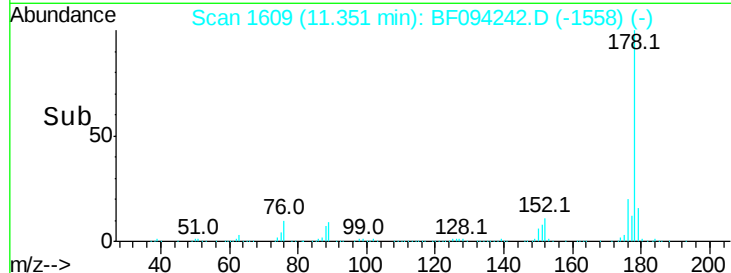
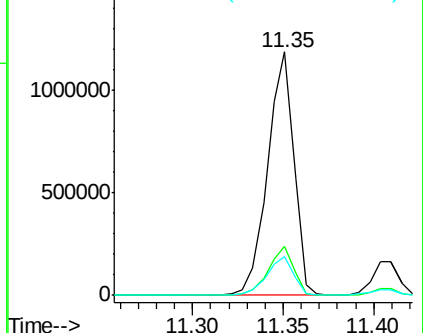
#70
Phenanthrene
Concen: 38.80 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.00 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion:178 Resp: 1195074
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.8 12.6 19.0

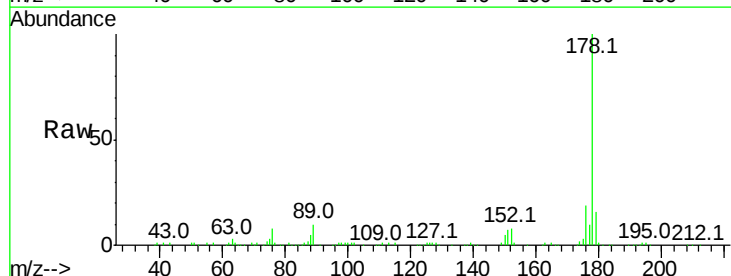


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

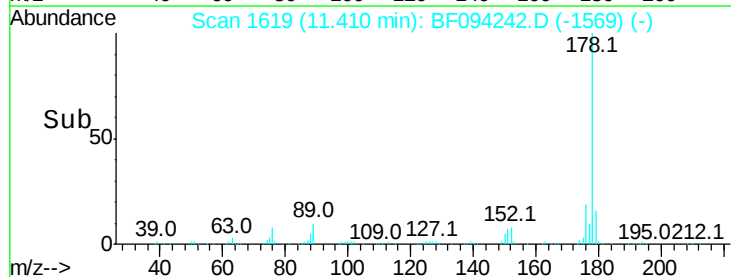
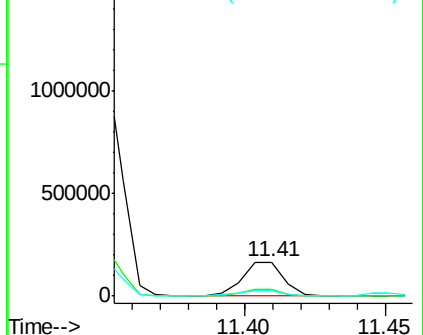


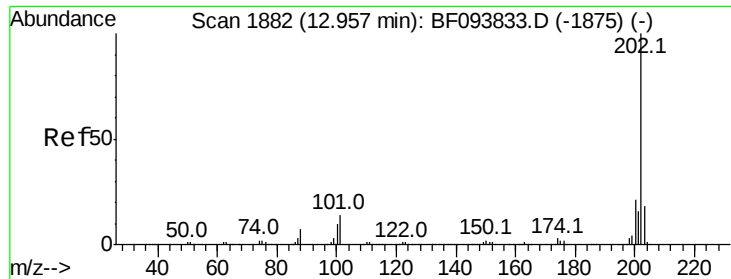
#71
Anthracene
Concen: 5.28 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:178 Resp: 167586
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 16.3 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

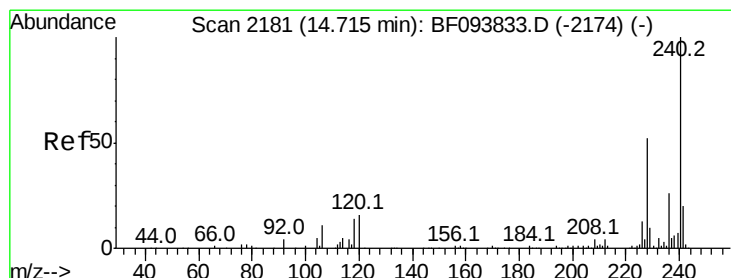
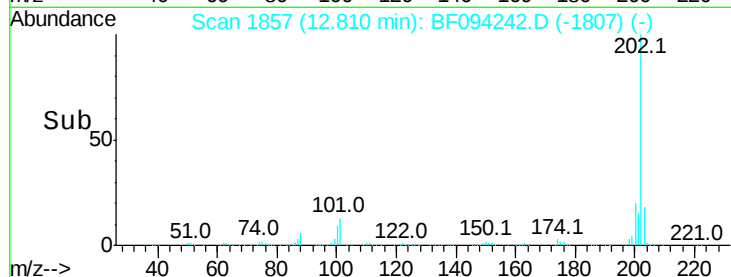
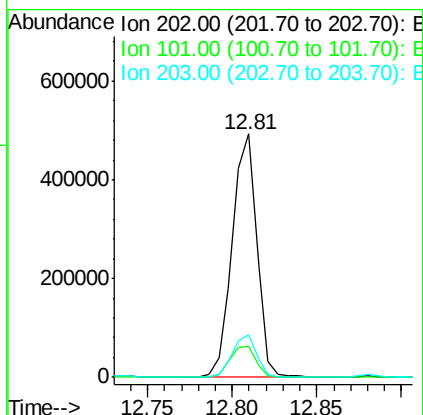
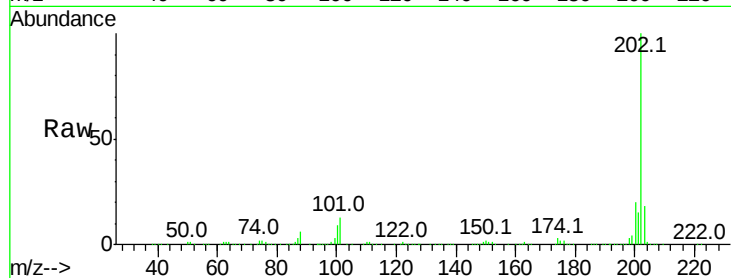




#74
Fluoranthene
Concen: 15.81 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

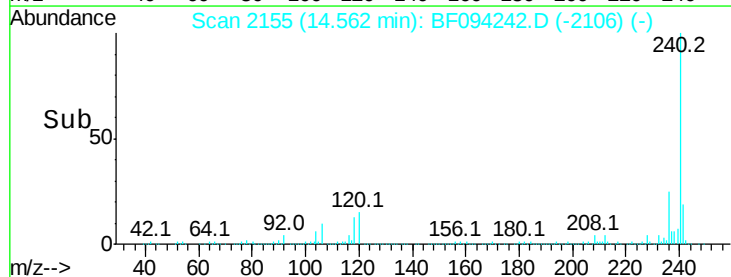
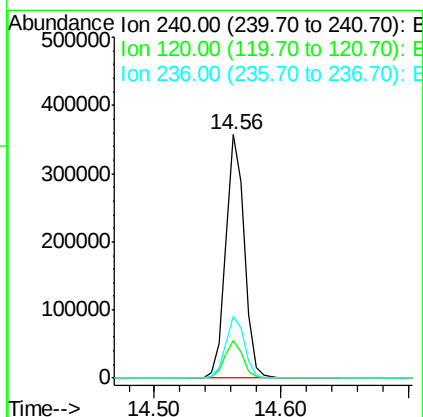
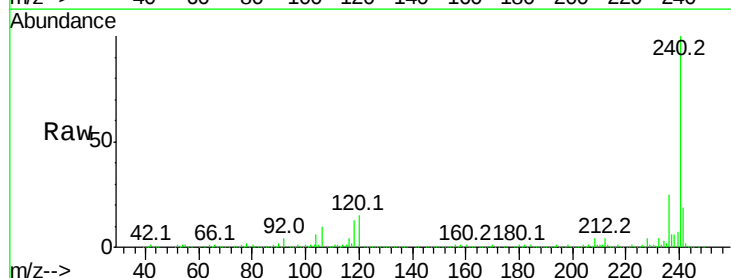
Instrument :
BNA_F
ClientSampleId :
TS-5

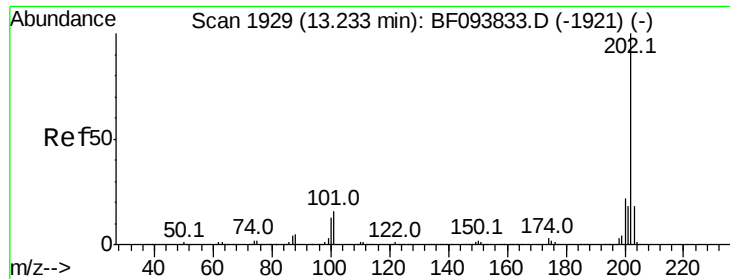
Tot Ion:202 Resp: 498610
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.2
203 17.6 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:240 Resp: 360530
Ion Ratio Lower Upper
240 100
120 15.3 5.8 8.8#
236 25.5 20.5 30.7

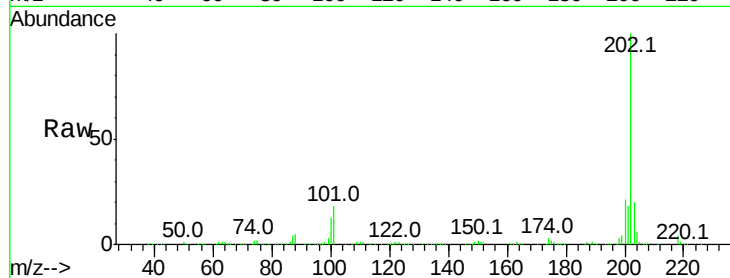




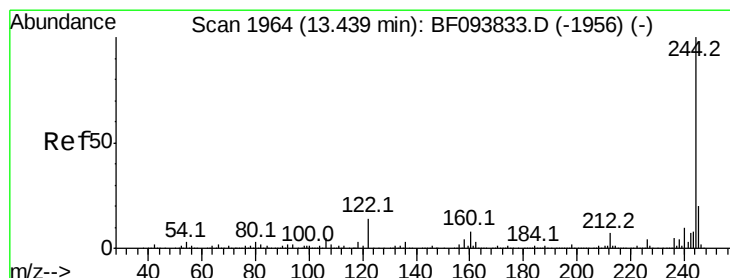
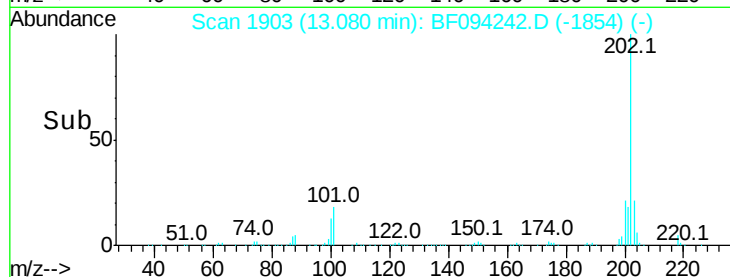
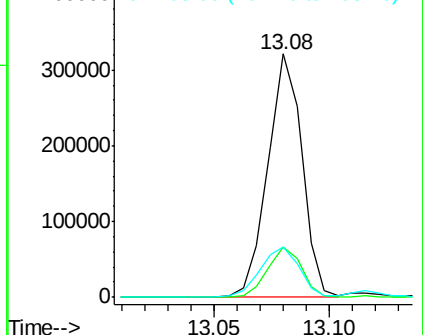
#77
Pvrene
Concen: 12.62 ng
RT: 13.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion:202 Resp: 330158
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 20.5 14.4 21.6

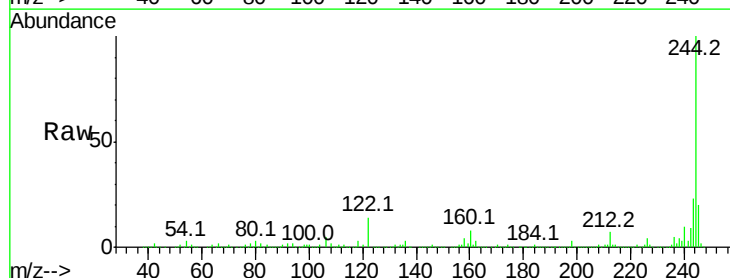


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

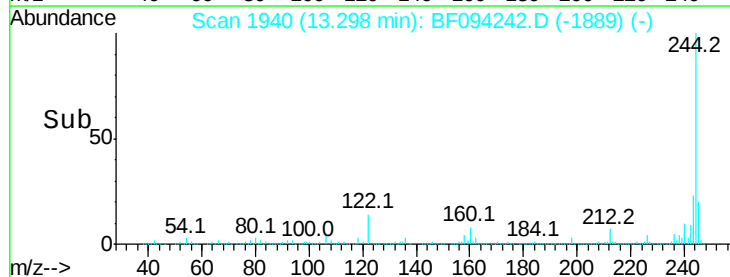
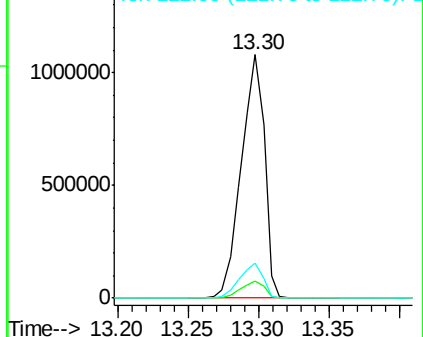


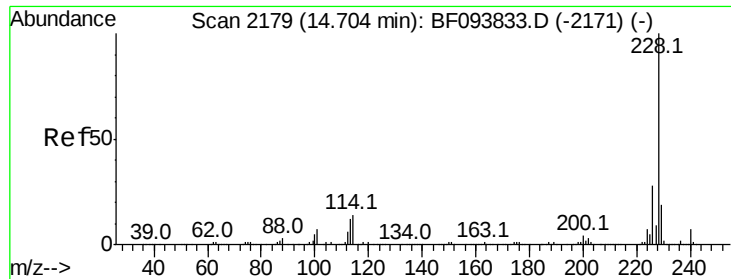
#78
Terphenyl-d14
Concen: 77.04 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:244 Resp: 1239201
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 14.1 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: 2.50 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

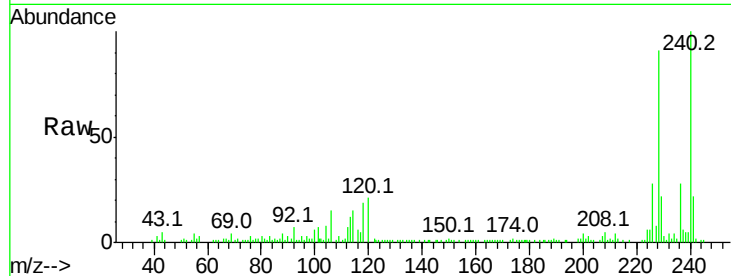
Tot Ion:228 Resp: 52562

Ion Ratio Lower Upper

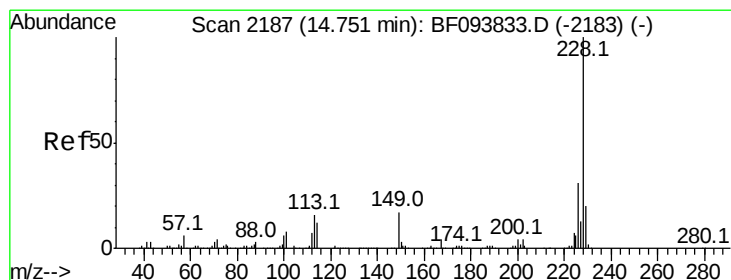
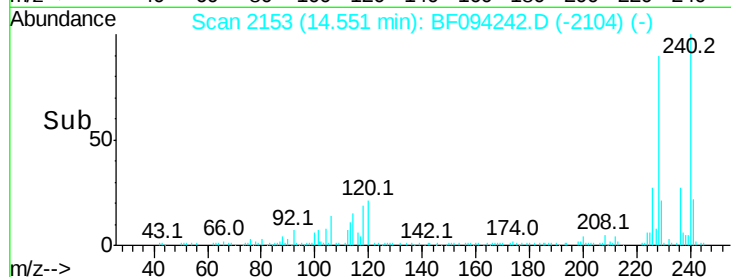
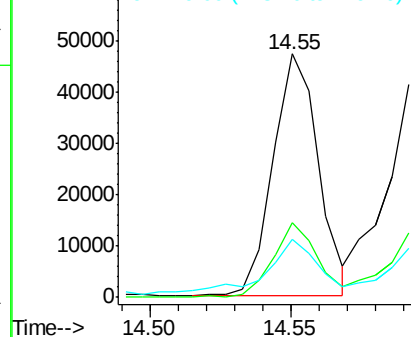
228 100

226 30.9 22.6 33.8

229 23.7 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: 2.60 ng

RT: 14.59 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

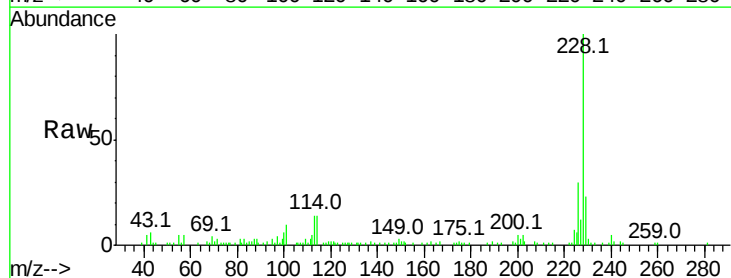
Tgt Ion:228 Resp: 50797

Ion Ratio Lower Upper

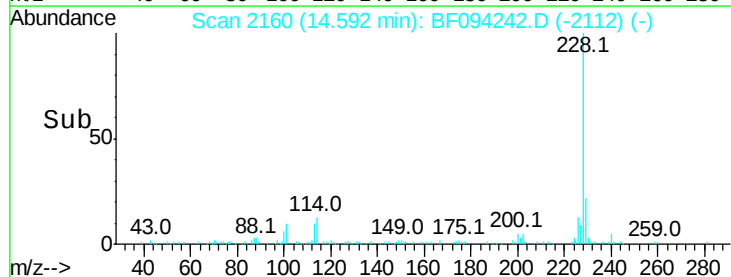
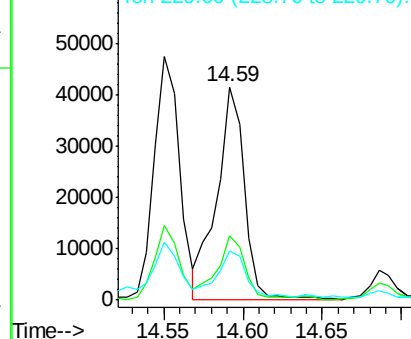
228 100

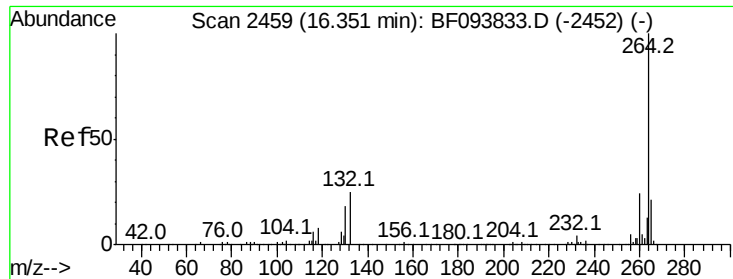
226 30.5 24.9 37.3

229 23.1 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

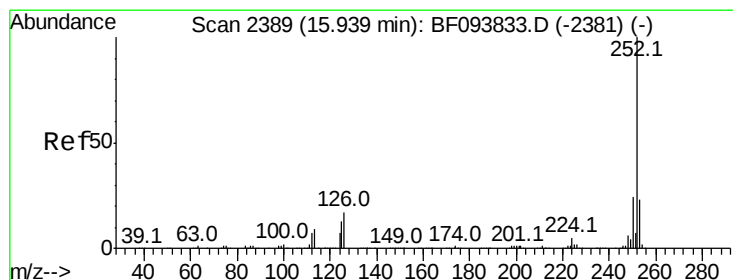
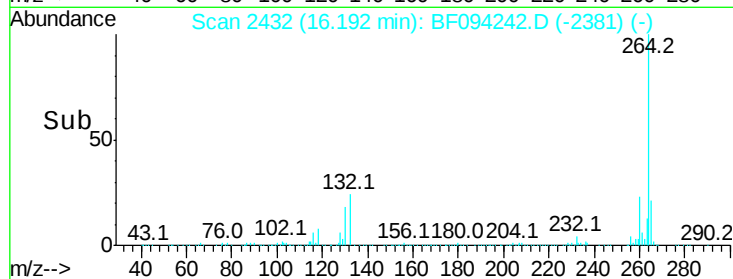
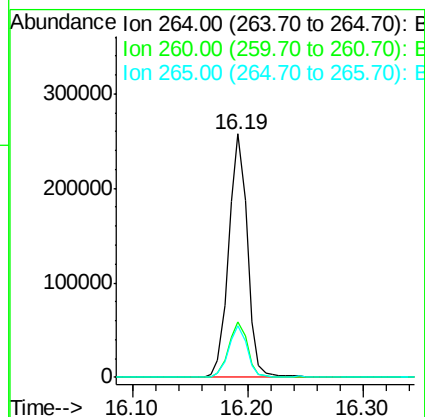
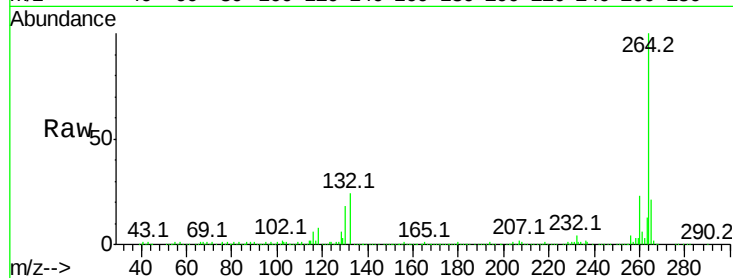




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

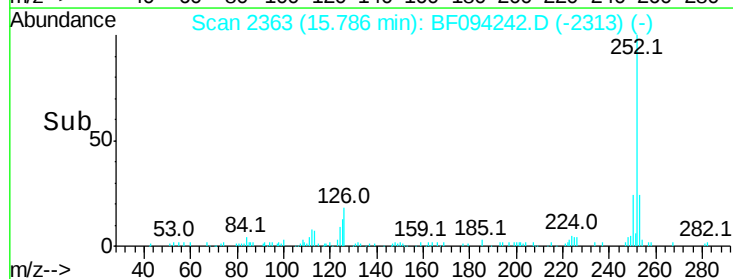
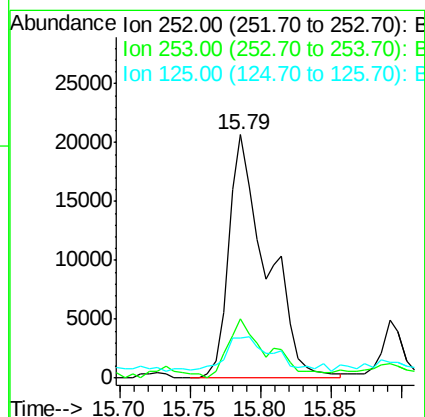
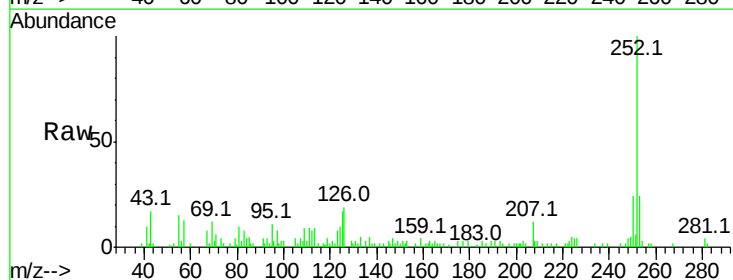
Instrument :
BNA_F
ClientSampleId :
TS-5

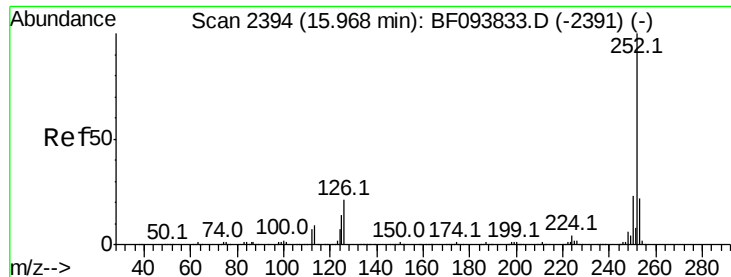
Tot Ion:264 Resp: 287768
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.19 ng
RT: 15.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:252 Resp: 38634
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 16.5 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.24 ng

RT: 15.79 min Scan# 2363

Delta R.T. -0.04 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

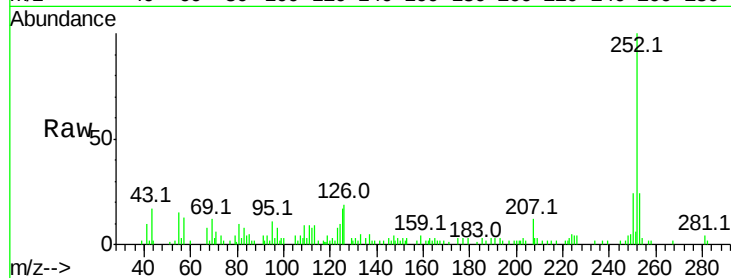
Tot Ion:252 Resp: 38634

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

125 16.5 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

