

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094016.D
 Acq On : 29 Mar 2017 2:06
 Operator : SJ/MA
 Sample : I2414-04 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-BASE

Quant Time: Mar 29 02:42:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

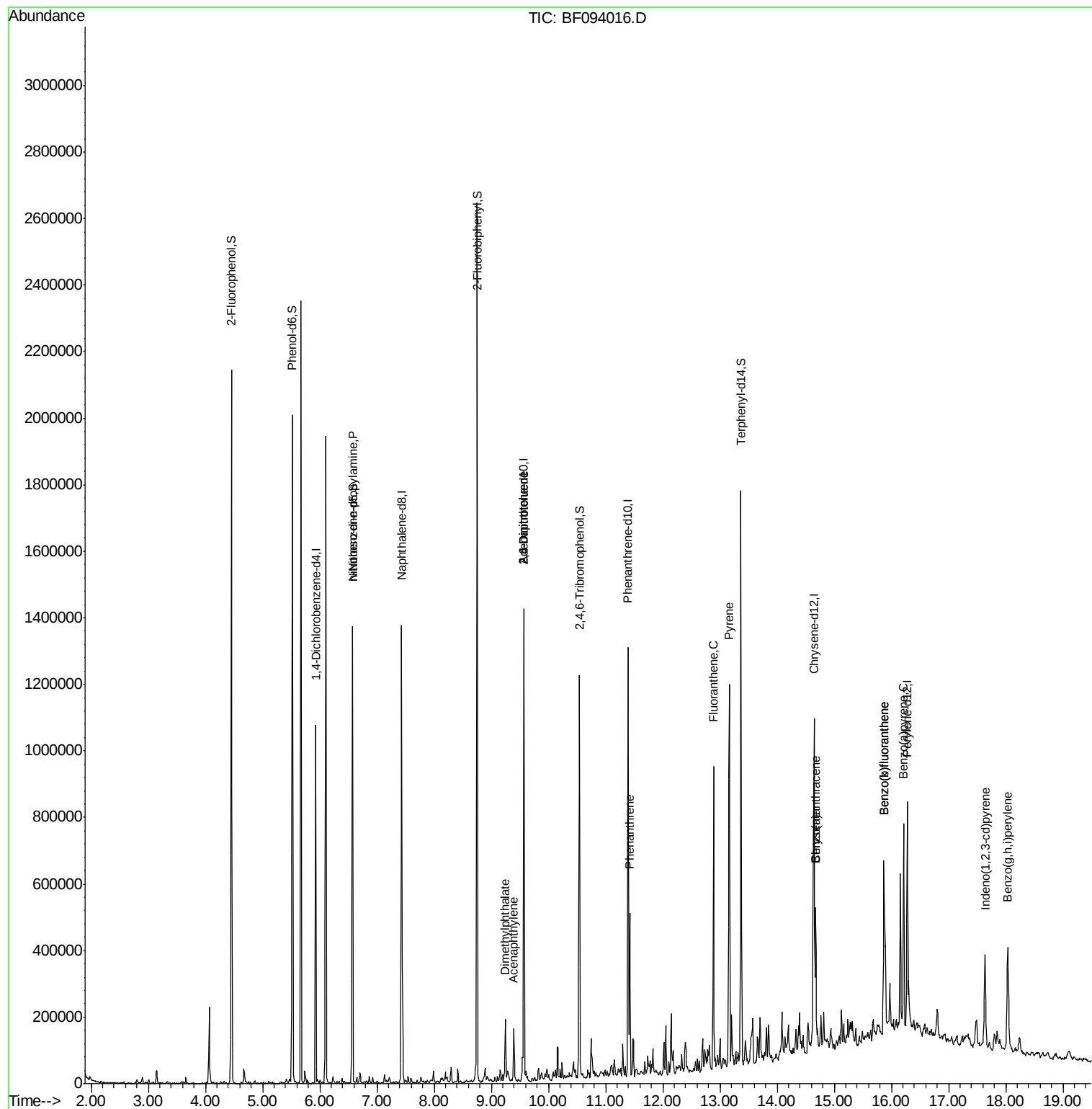
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	176195	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	715201	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	312836	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	507029	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	329911	20.00	ng	-0.04
86) Perylene-d12	16.28	264	282414	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	598976	57.42	ng	-0.02
7) Phenol-d6	5.52	99	782528	60.64	ng	-0.03
23) Nitrobenzene-d5	6.57	82	506486	40.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	140106	56.68	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	905392	44.14	ng	-0.03
78) Terphenyl-d14	13.37	244	597947	40.63	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.57	70	66958	8.07	ng	# 75
48) Acenaphthylene	9.39	152	70779	2.16	ng	96
49) Dimethylphthalate	9.25	163	77418	3.48	ng	98
50) 2,6-Dinitrotoluene	9.57	165	40668	7.98	ng	# 34
56) 2,4-Dinitrotoluene	9.57	165	40669	6.35	ng	# 34
70) Phenanthrene	11.42	178	179824	6.38	ng	98
74) Fluoranthene	12.89	202	379847	13.15	ng	99
77) Pyrene	13.16	202	496094	20.72	ng	98
80) Benzo(a)anthracene	14.67	228	182287	9.48	ng	96
82) Chrysene	14.67	228	182287	10.21	ng	98
85) Indeno(1,2,3-cd)pyrene	17.63	276	173302	11.21	ng	95
87) Benzo(b)fluoranthene	15.87	252	382212	22.08	ng	# 97
88) Benzo(k)fluoranthene	15.87	252	382212	22.57	ng	99
89) Benzo(a)pyrene	16.22	252	234436	14.71	ng	96
91) Benzo(a,h,i)perylene	18.04	276	226537	16.65	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.93 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

E2-R13-BASE

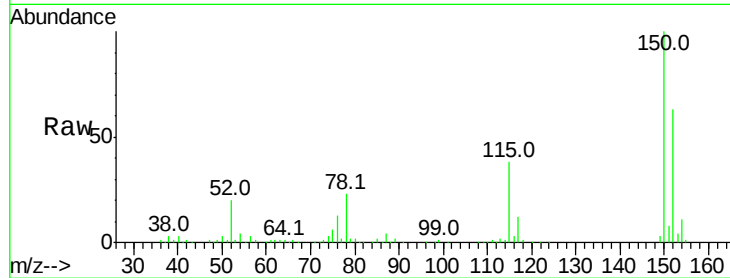
Tot Ion:152 Resp: 176195

Ion Ratio Lower Upper

152 100

150 159.8 126.2 189.2

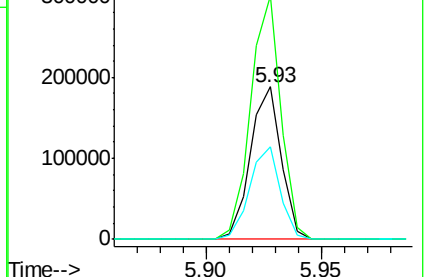
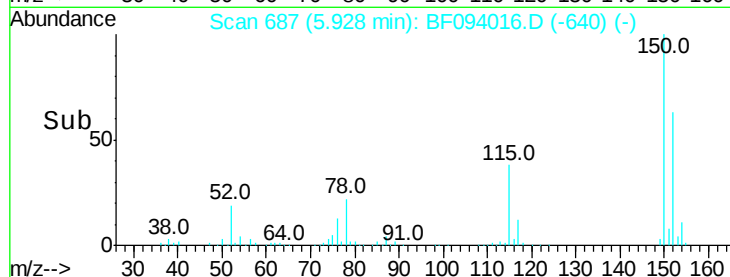
115 60.9 52.2 78.2



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: 57.42 ng

RT: 4.46 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

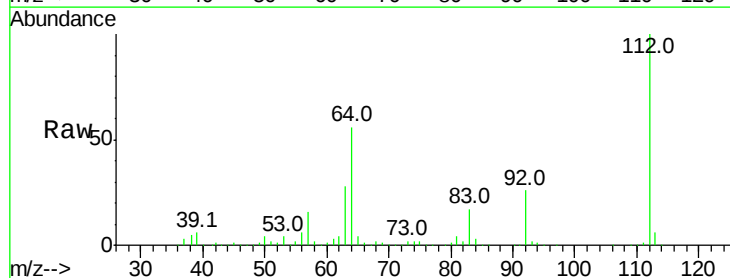
Tgt Ion:112 Resp: 598976

Ion Ratio Lower Upper

112 100

64 55.6 46.0 69.0

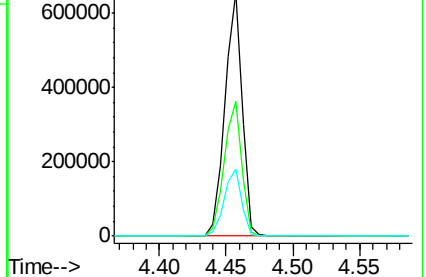
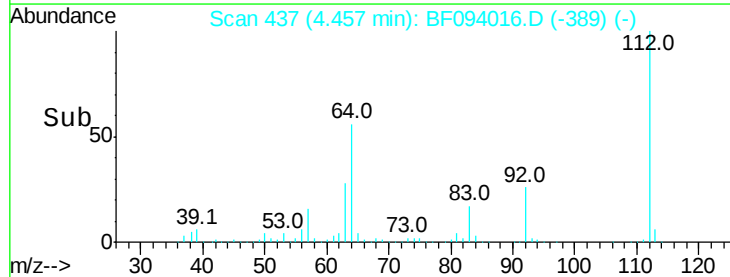
63 27.7 23.4 35.0

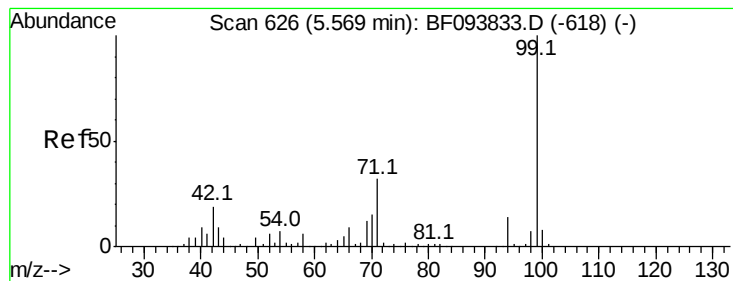


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 60.64 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

E2-R13-BASE

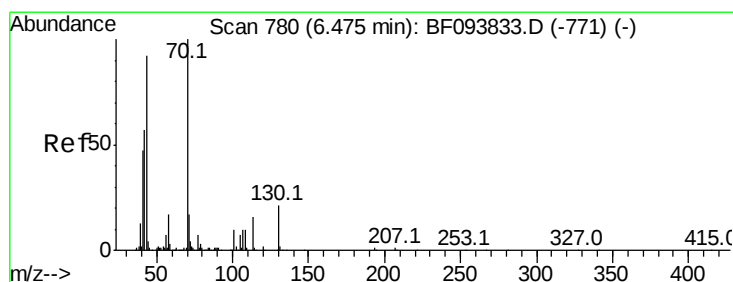
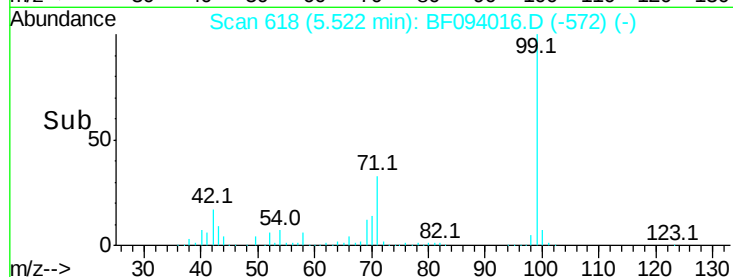
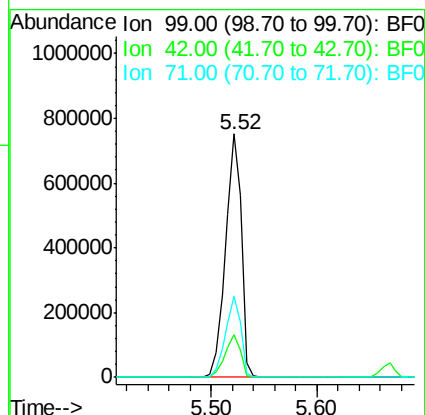
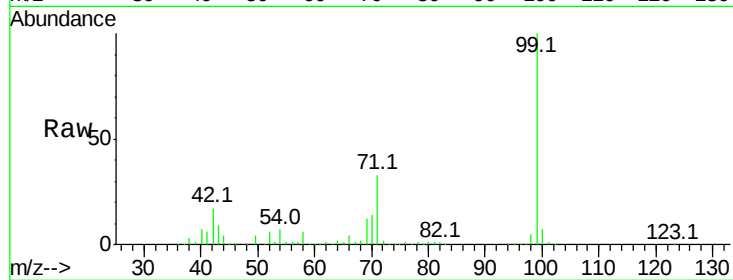
Tot Ion: 99 Resp: 782528

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 33.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.07 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.14 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Tgt Ion: 70 Resp: 66958

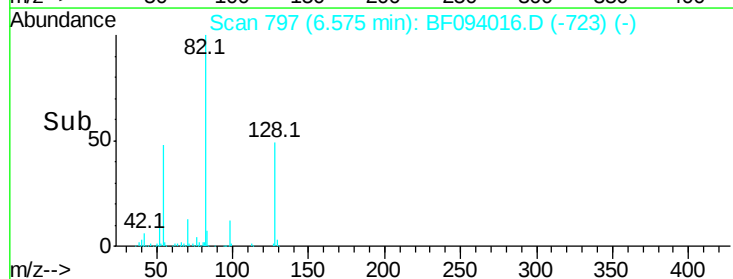
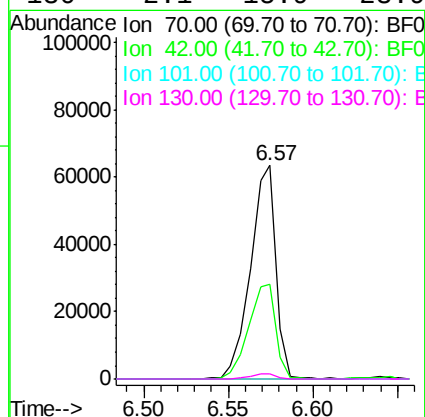
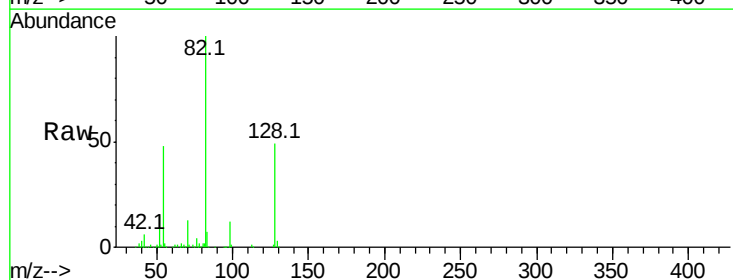
Ion Ratio Lower Upper

70 100

42 44.2 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: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

E2-R13-BASE

Tot Ion:136 Resp: 715201

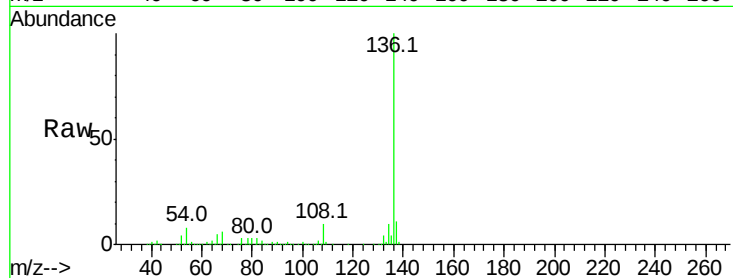
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.0 4.9 7.3#

68 6.5 4.1 6.1#

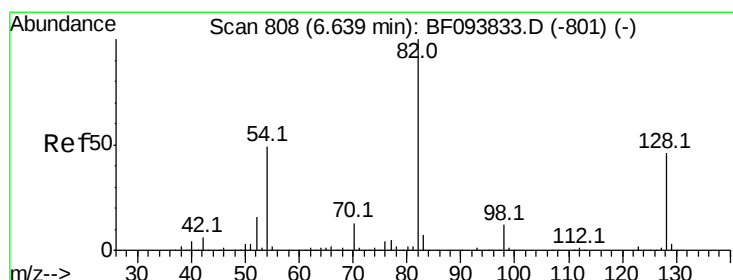
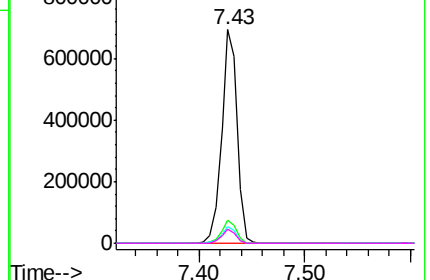
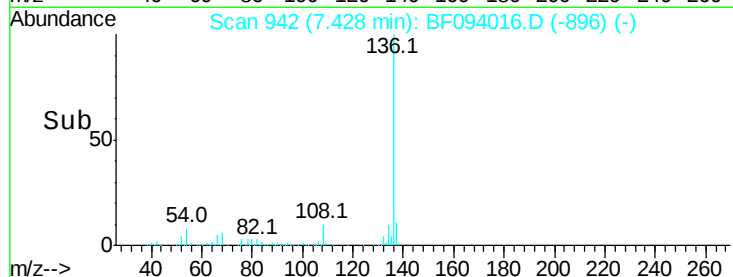


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.41 ng

RT: 6.57 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

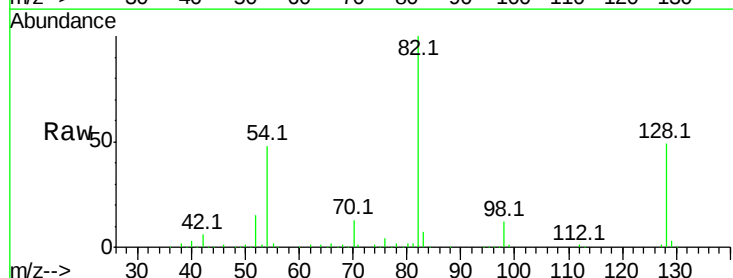
Tgt Ion: 82 Resp: 506486

Ion Ratio Lower Upper

82 100

128 49.0 34.0 51.0

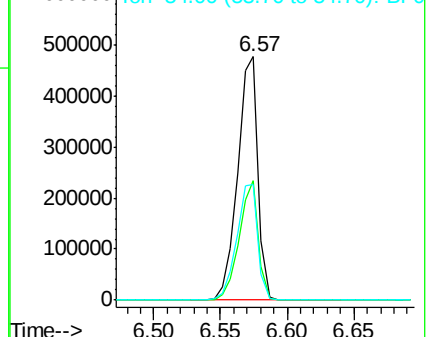
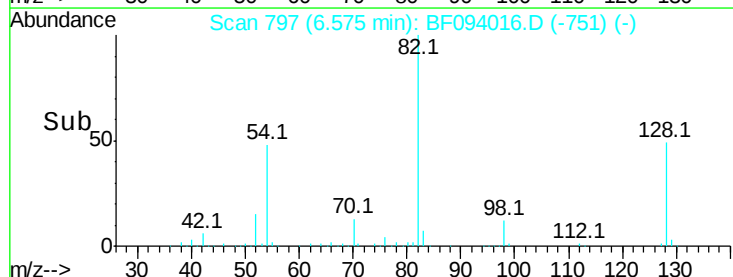
54 47.7 42.2 63.2

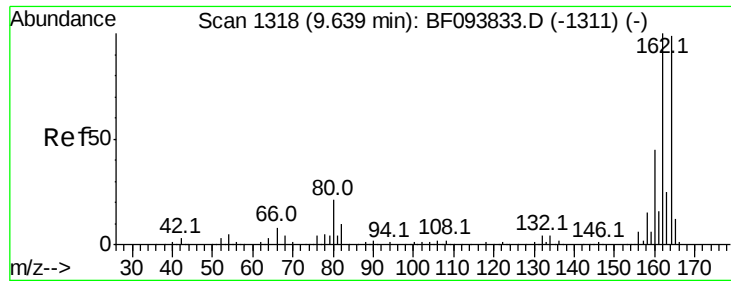


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

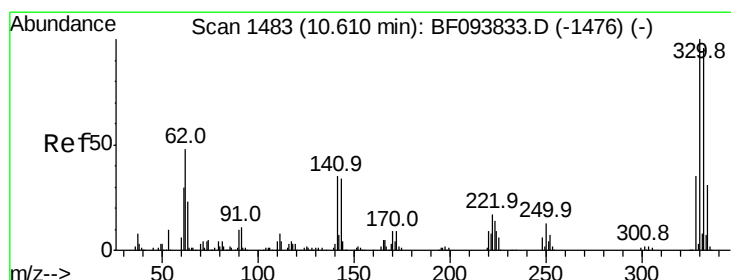
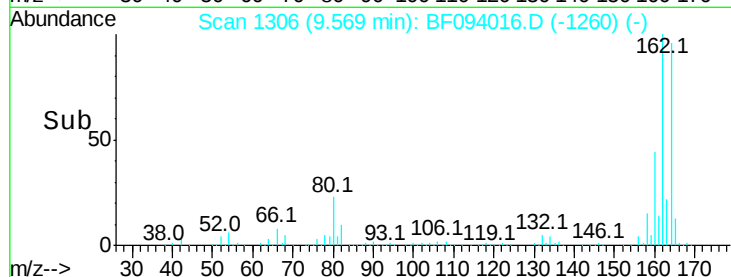
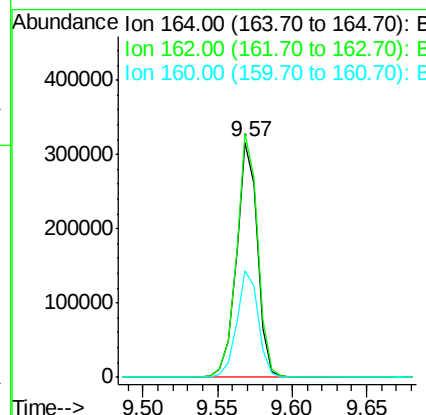
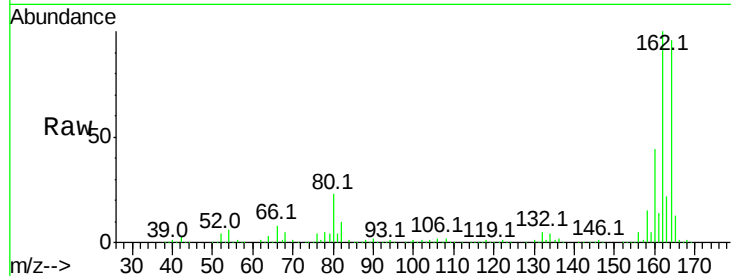




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

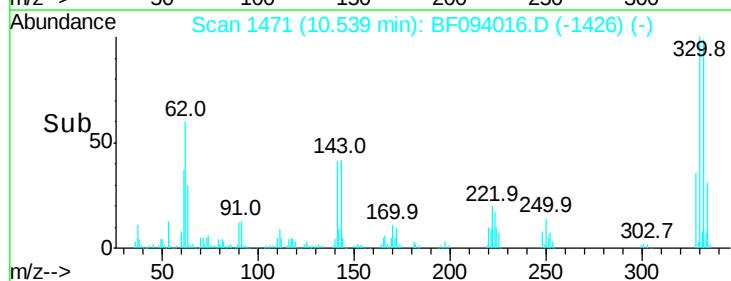
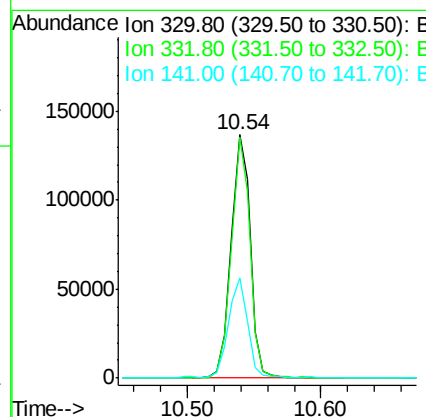
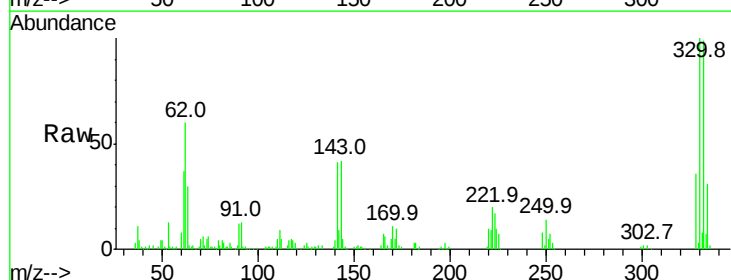
Instrument :
BNA_F
ClientSampleId :
E2-R13-BASE

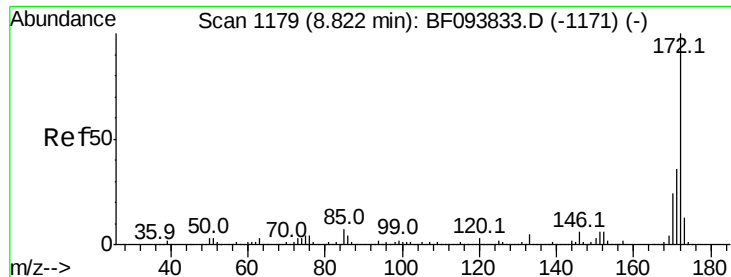
Tot Ion:164 Resp: 312836
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 45.3 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 56.68 ng
RT: 10.54 min Scan# 1471
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion:330 Resp: 140106
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 41.5 31.4 47.2

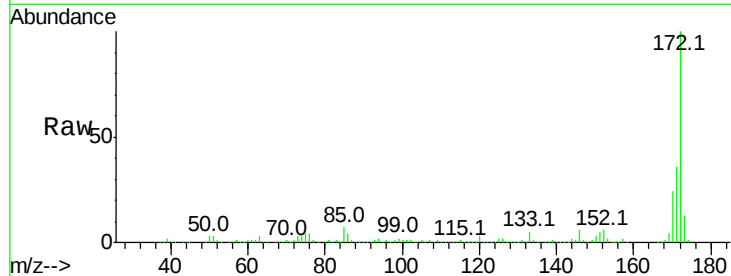




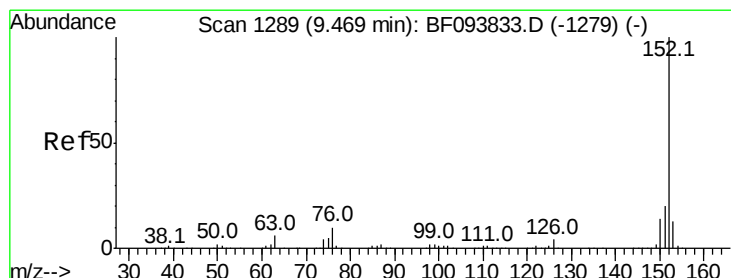
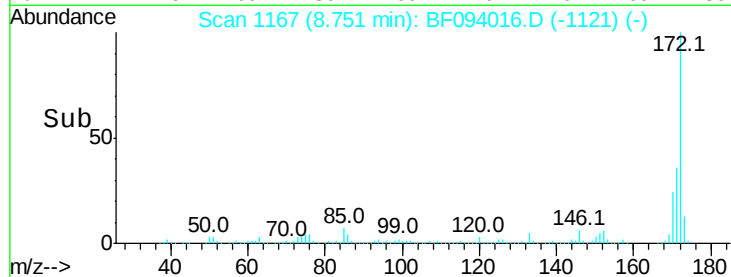
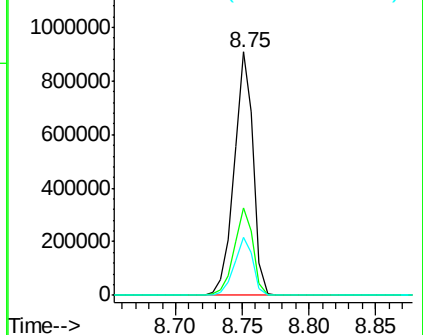
#44
 2-Fluorobiphenyl
 Concen: 44.14 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-BASE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.7	19.8	29.8

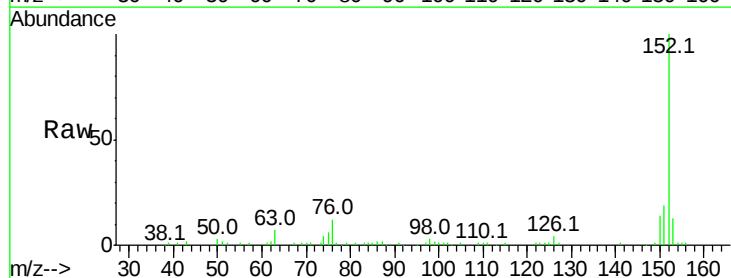


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

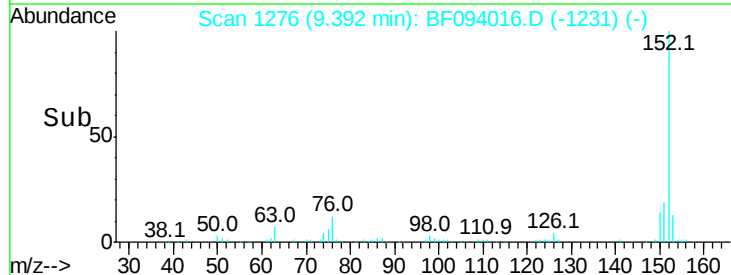
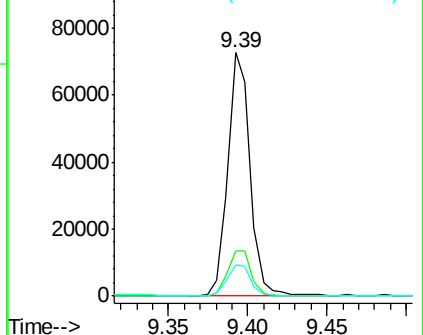


#48
 Acenaphthylene
 Concen: 2.16 ng
 RT: 9.39 min Scan# 1276
 Delta R.T. -0.04 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.5	16.8	25.2
153	13.0	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

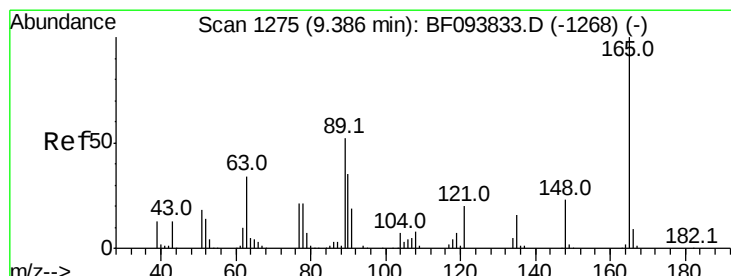
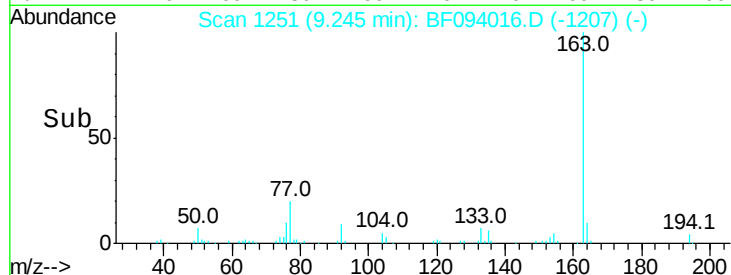
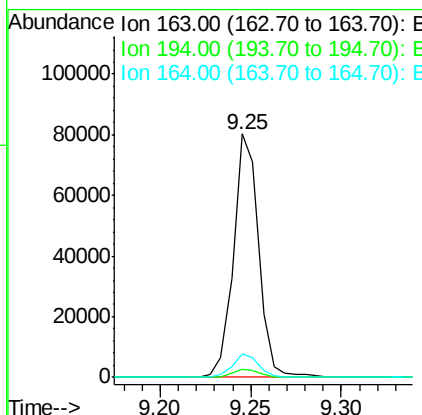
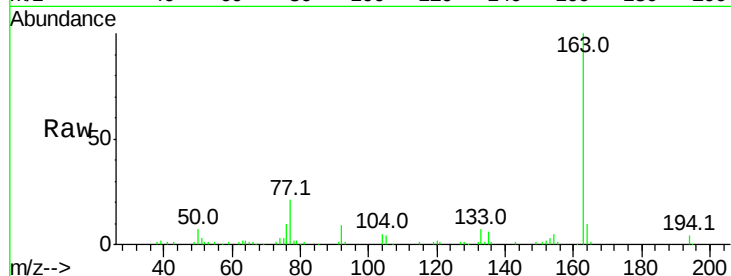




#49
Dimethylphthalate
Concen: 3.48 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

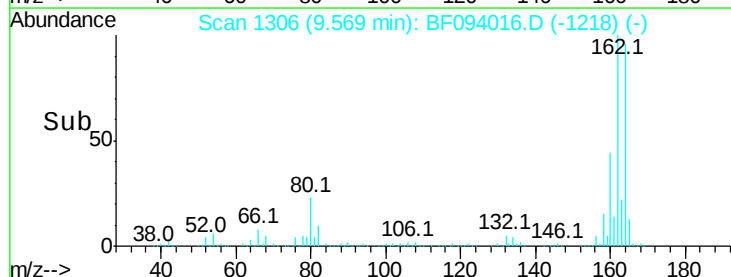
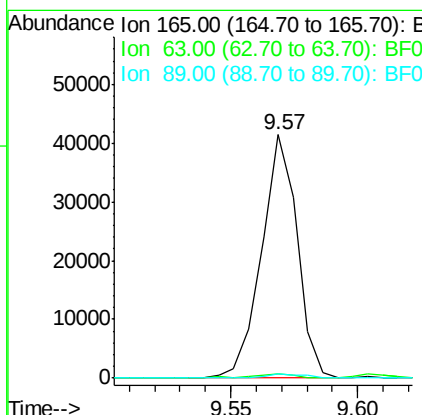
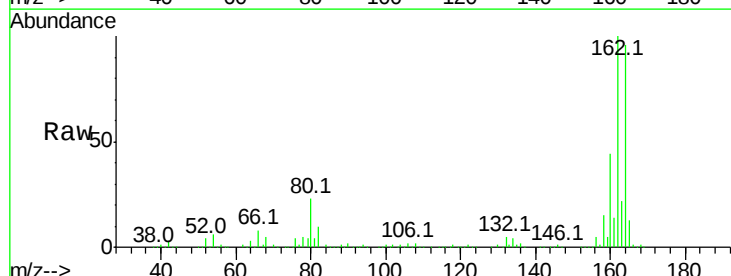
Instrument :
BNA_F
ClientSampleId :
E2-R13-BASE

Tot Ion:163 Resp: 77418
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.8 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.98 ng
RT: 9.57 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion:165 Resp: 40668
Ion Ratio Lower Upper
165 100
63 1.7 34.3 51.5#
89 1.9 37.1 55.7#

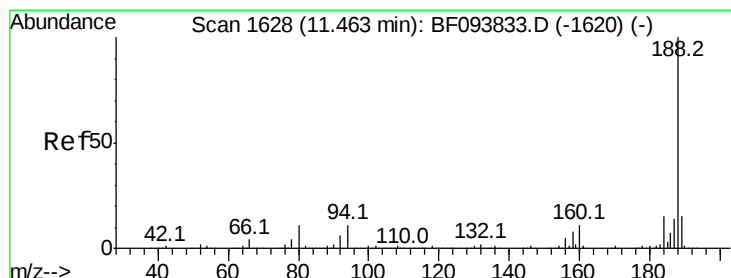
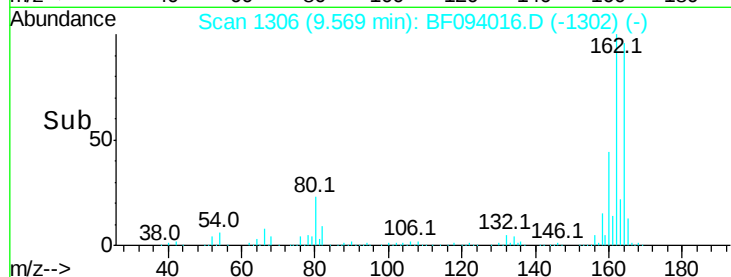
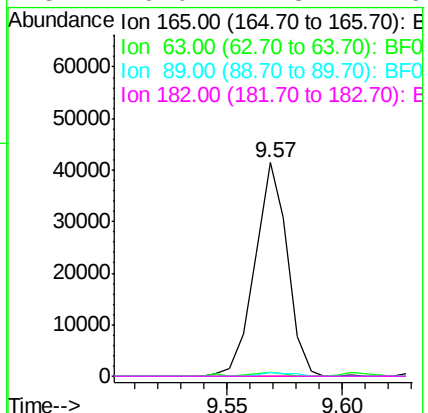
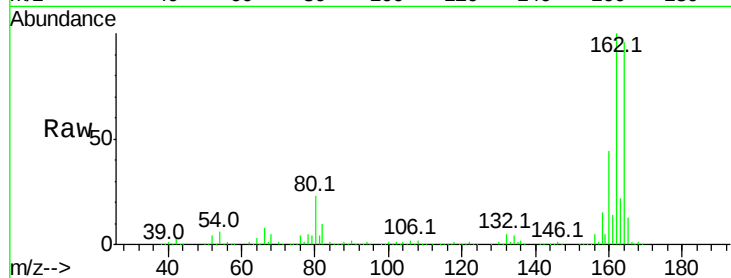




#56
 2,4-Dinitrotoluene
 Concen: 6.35 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.28 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

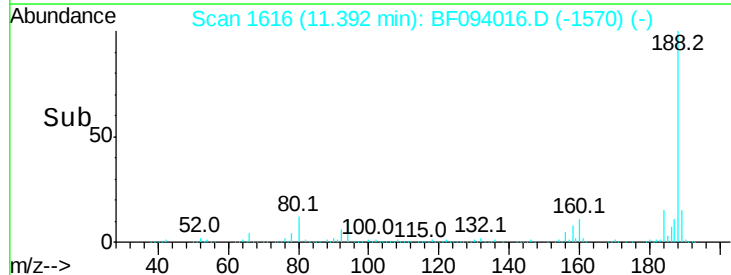
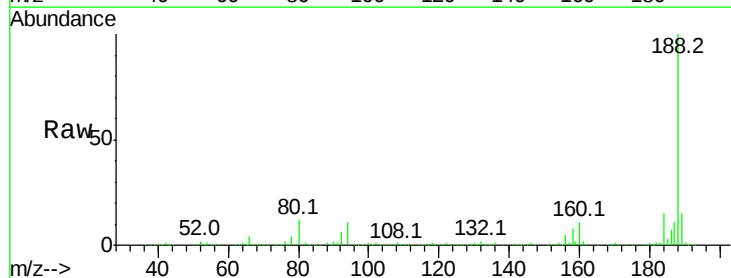
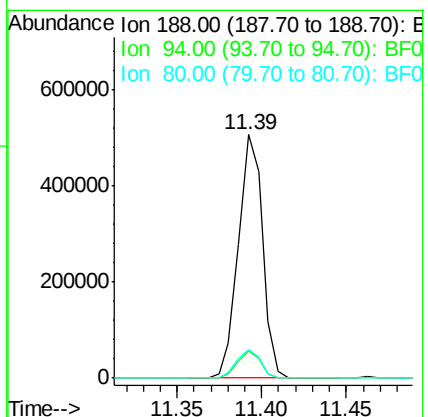
Instrument :
 BNA_F
 ClientSampleId :
 E2-R13-BASE

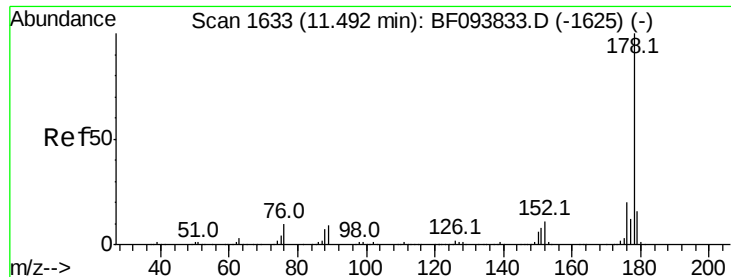
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.03 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.8	10.2	15.2

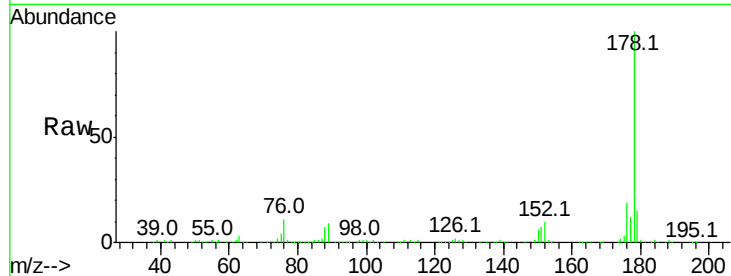




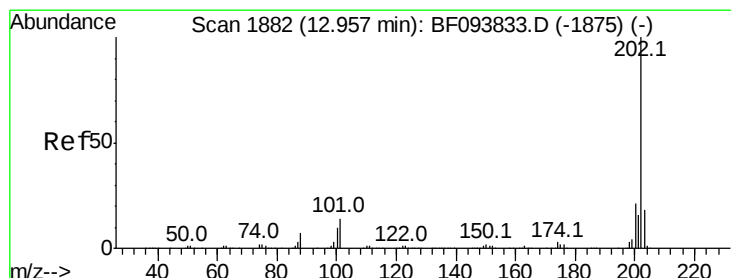
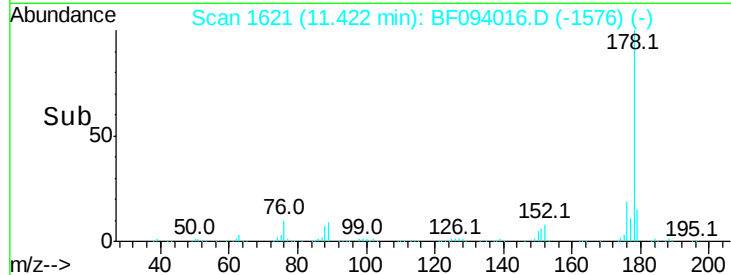
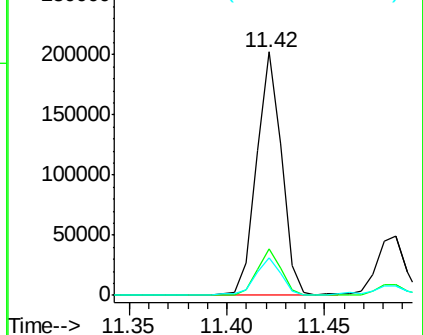
#70
Phenanthrene
Concen: 6.38 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Instrument :
BNA_F
ClientSampleId :
E2-R13-BASE

Tot Ion:178 Resp: 179824
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.2 12.6 19.0

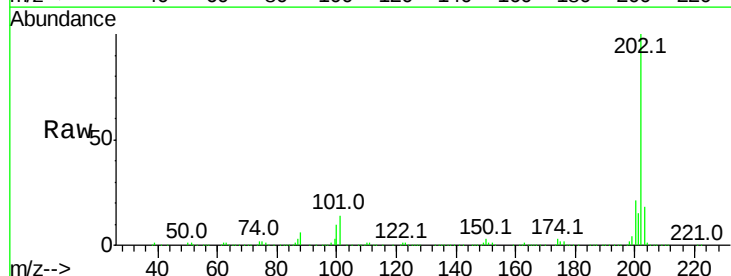


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

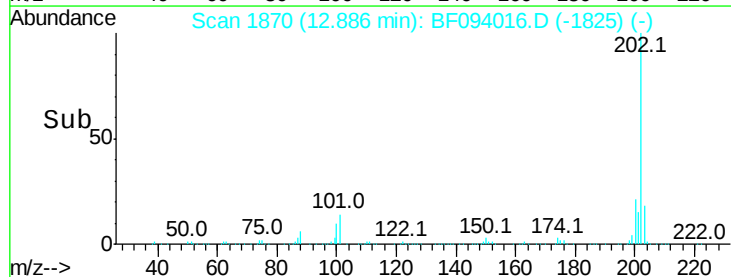
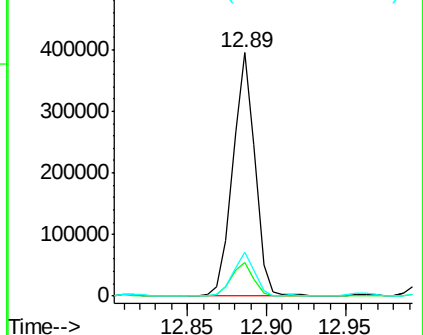


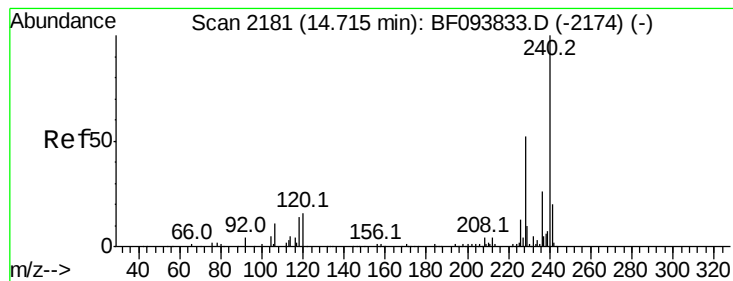
#74
Fluoranthene
Concen: 13.15 ng
RT: 12.89 min Scan# 1870
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion:202 Resp: 379847
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.2
203 17.9 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: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleID :

E2-R13-BASE

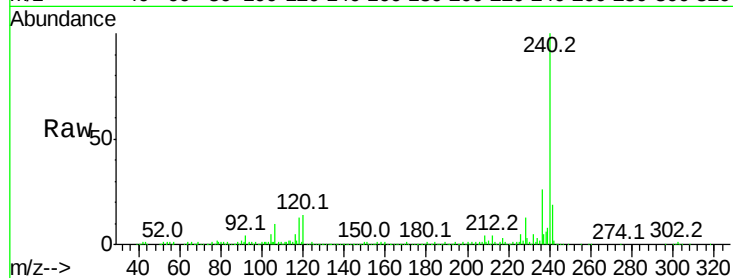
Tot Ion:240 Resp: 329911

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

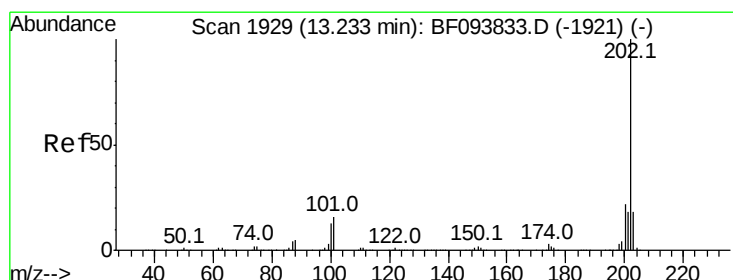
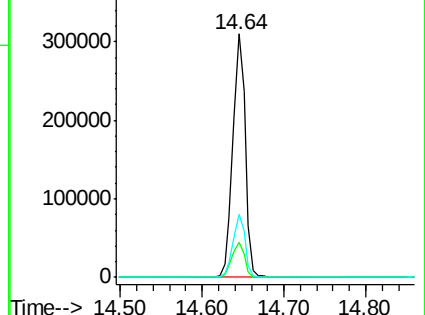
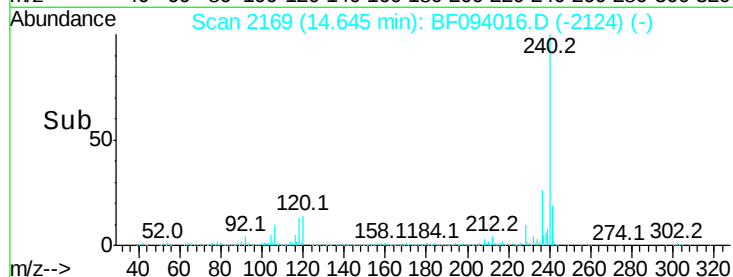
236 25.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.72 ng

RT: 13.16 min Scan# 1917

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

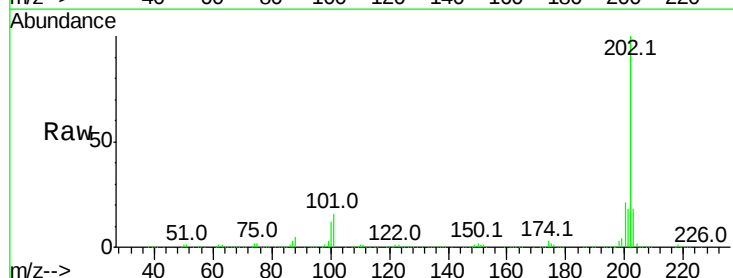
Tgt Ion:202 Resp: 496094

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

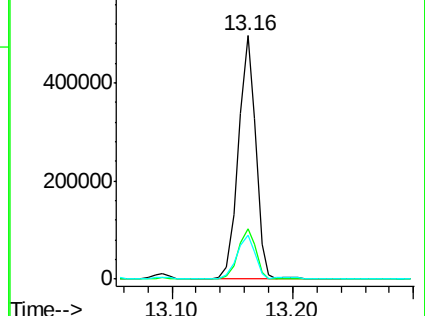
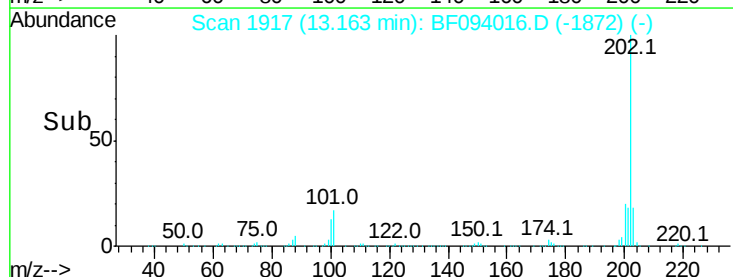
203 18.0 14.4 21.6

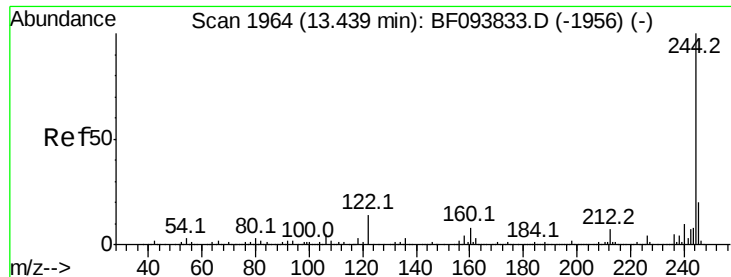


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.63 ng

RT: 13.37 min Scan# 1952

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

E2-R13-BASE

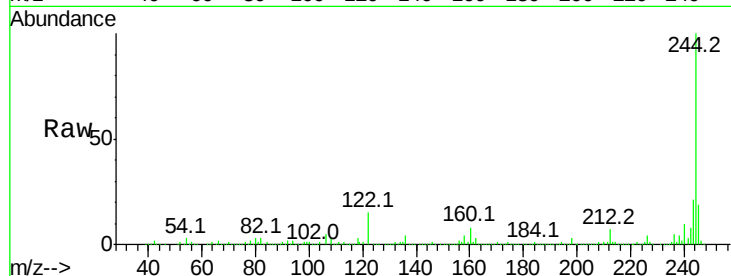
Tot Ion:244 Resp: 597947

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

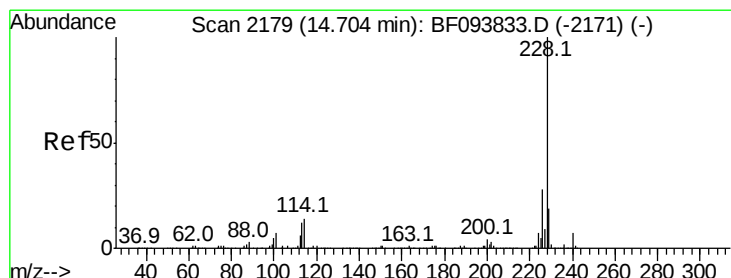
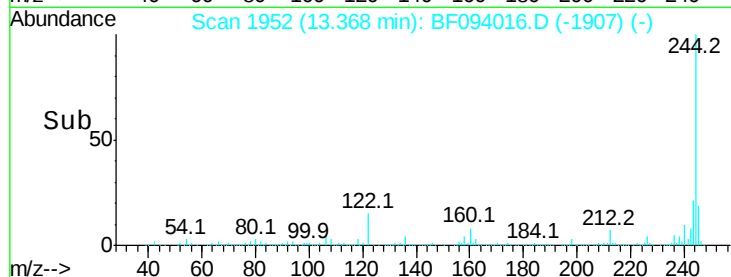
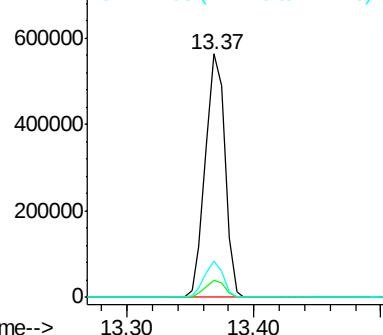
122 14.7 10.3 15.5



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: 9.48 ng

RT: 14.67 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

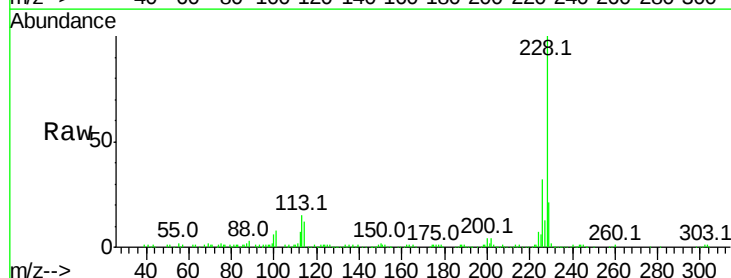
Tgt Ion:228 Resp: 182287

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

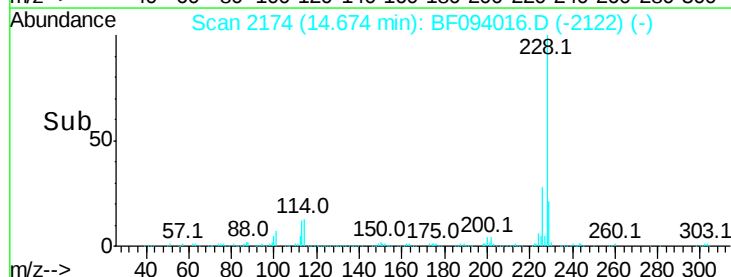
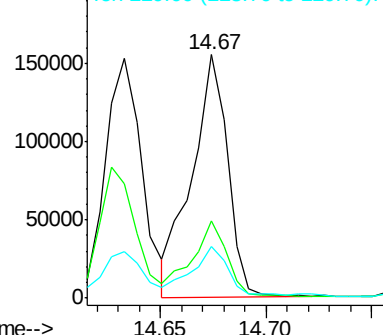
229 21.0 16.3 24.5

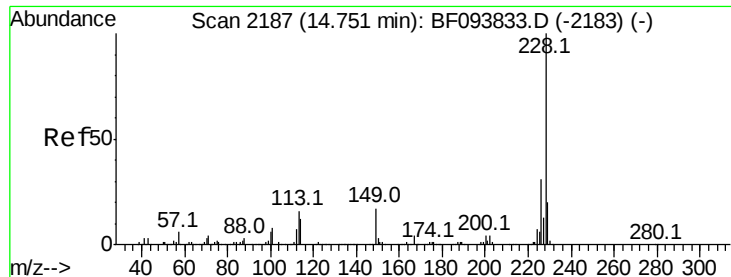


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.21 ng

RT: 14.67 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

E2-R13-BASE

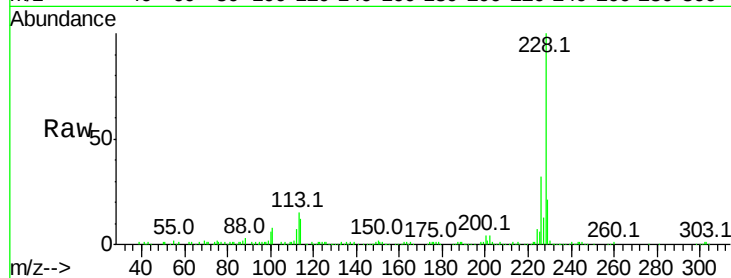
Tot Ion:228 Resp: 182287

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

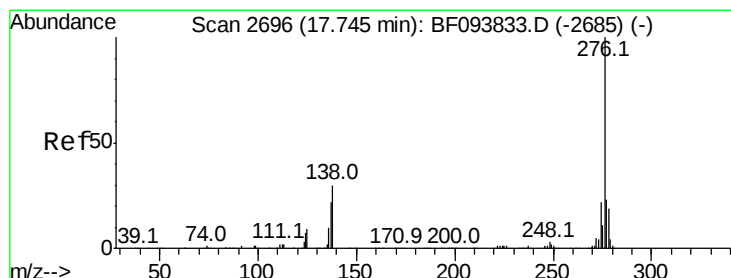
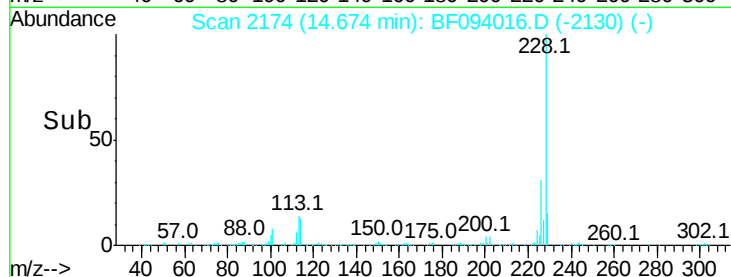
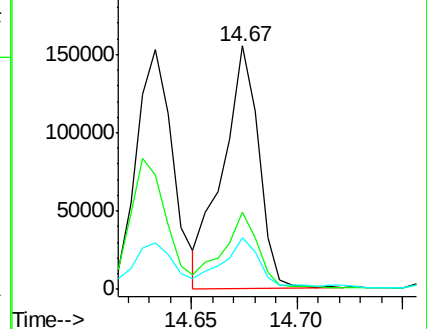
229 21.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.21 ng

RT: 17.63 min Scan# 2677

Delta R.T. -0.05 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

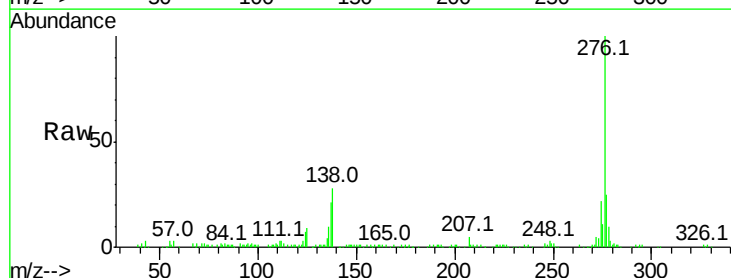
Tgt Ion:276 Resp: 173302

Ion Ratio Lower Upper

276 100

138 30.6 27.8 41.6

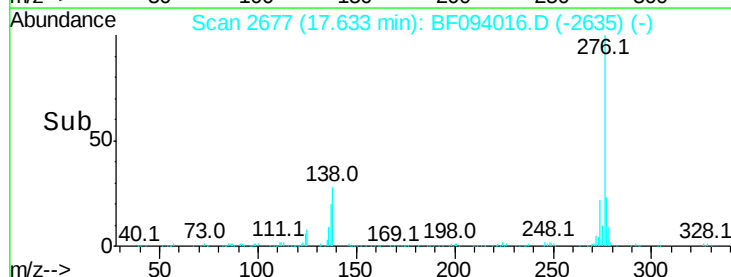
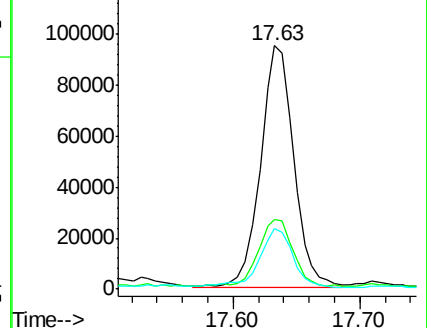
277 24.8 20.2 30.4

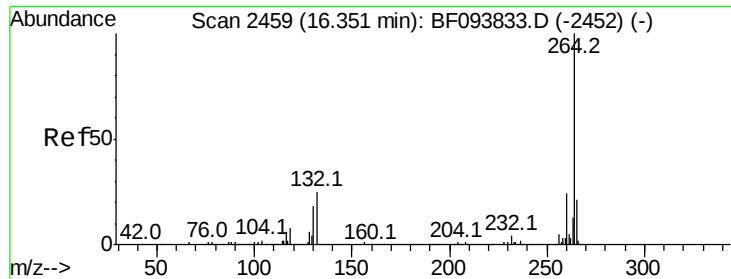


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



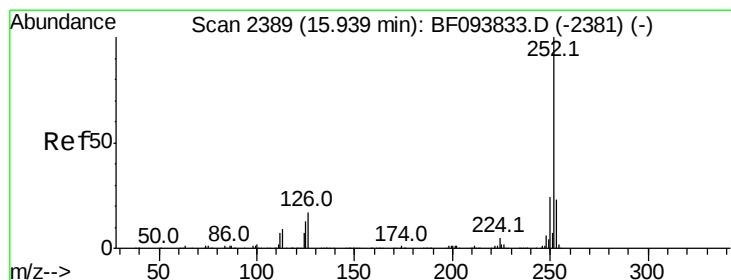
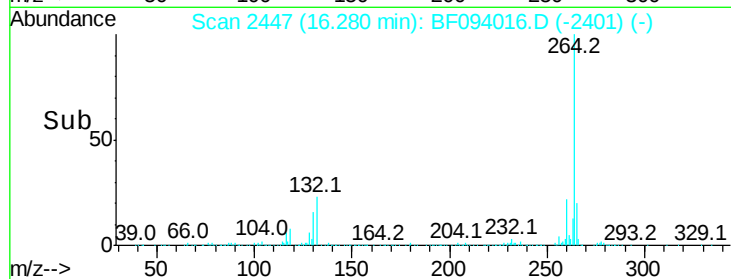
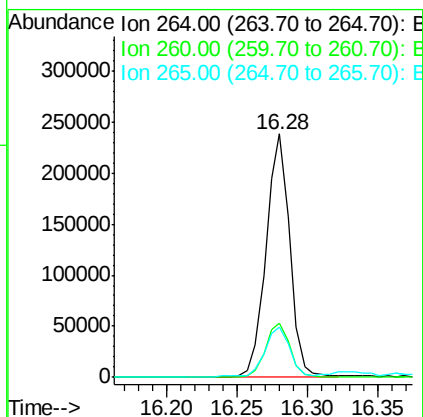
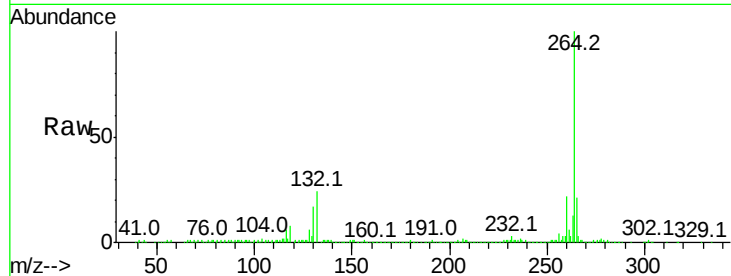


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Instrument :
BNA_F
ClientSampleId :
E2-R13-BASE

Tot Ion:264 Resp: 282414

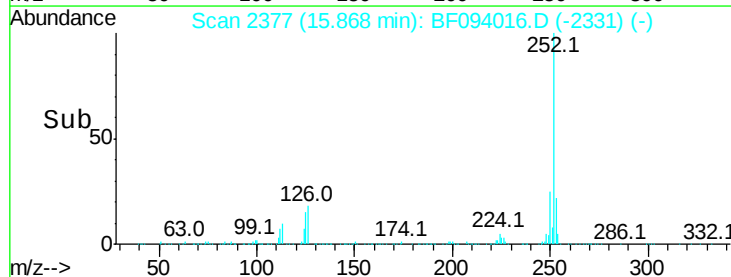
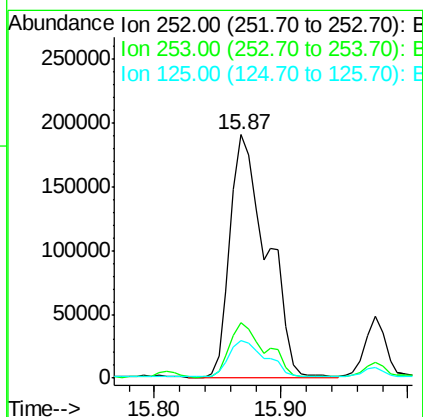
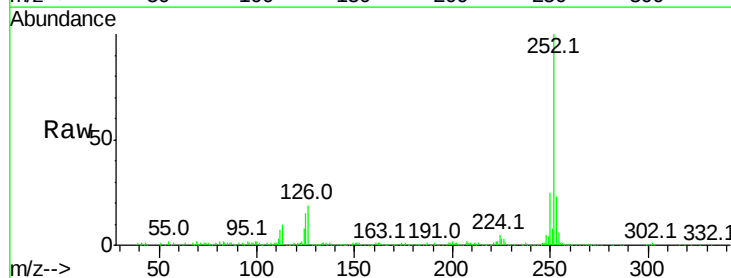
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.6	17.2	25.8

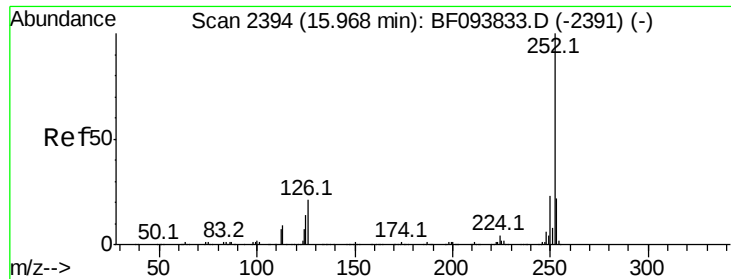


#87
Benzo(b)fluoranthene
Concen: 22.08 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion:252 Resp: 382212

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.4	9.8	14.8#

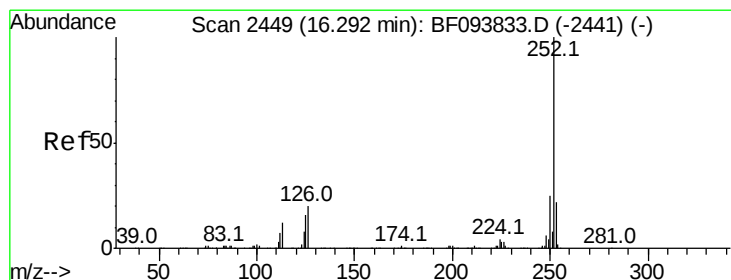
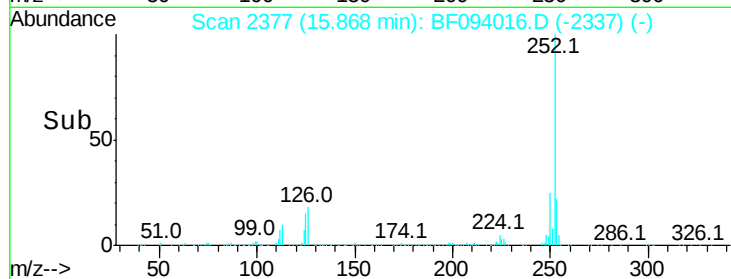
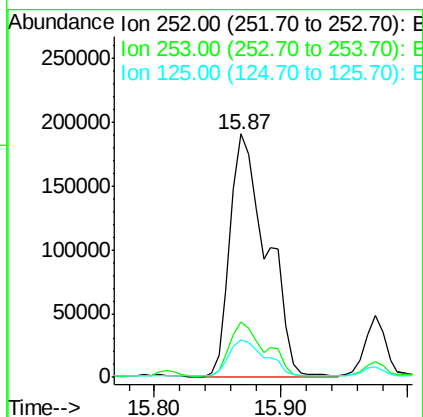
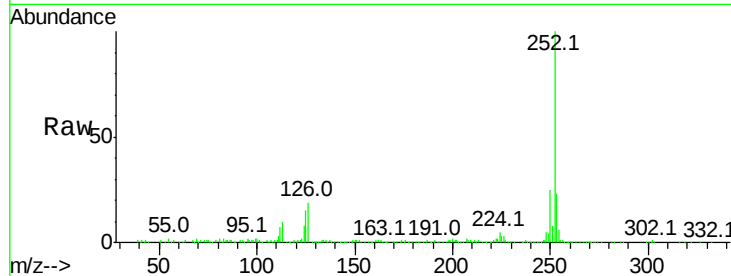




#88
Benzo(k)fluoranthene
Concen: 22.57 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.06 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

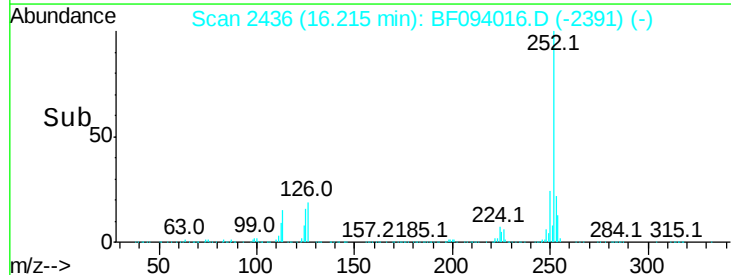
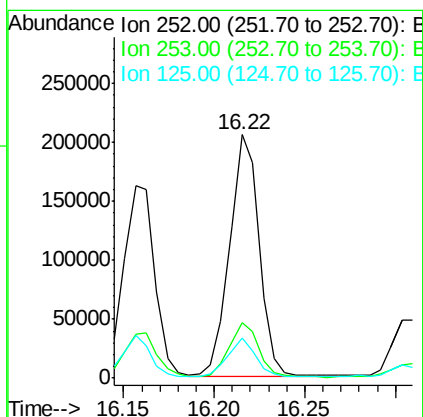
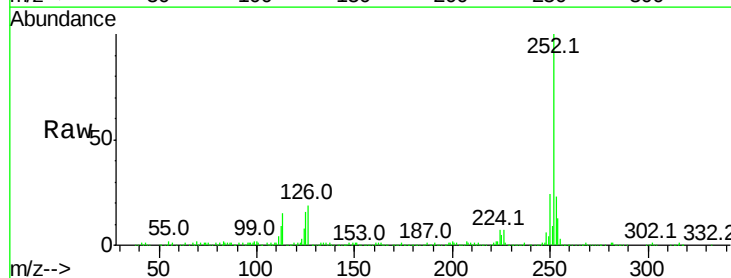
Instrument :
BNA_F
ClientSampleId :
E2-R13-BASE

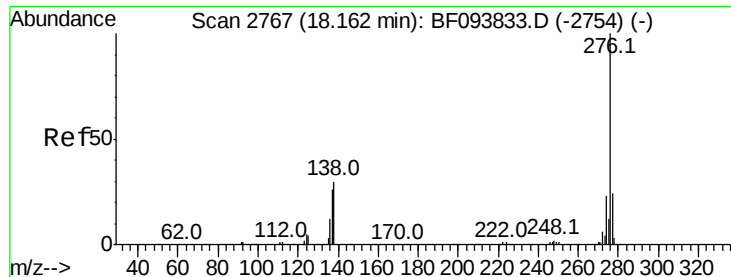
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	15.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 14.71 ng
RT: 16.22 min Scan# 2436
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.3	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 16.65 ng

RT: 18.04 min Scan# 2746

Delta R.T. -0.06 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

E2-R13-BASE

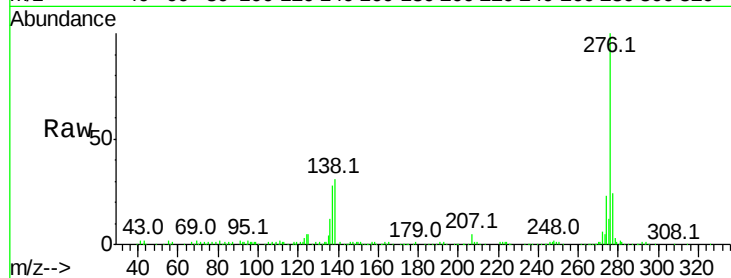
Tot Ion: 276 Resp: 226537

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 31.0 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

