

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094059.D
 Acq On : 30 Mar 2017 13:18
 Operator : SJ/MA
 Sample : I2431-06DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R-S-12-13-BASEDL

Quant Time: Mar 30 14:21:50 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

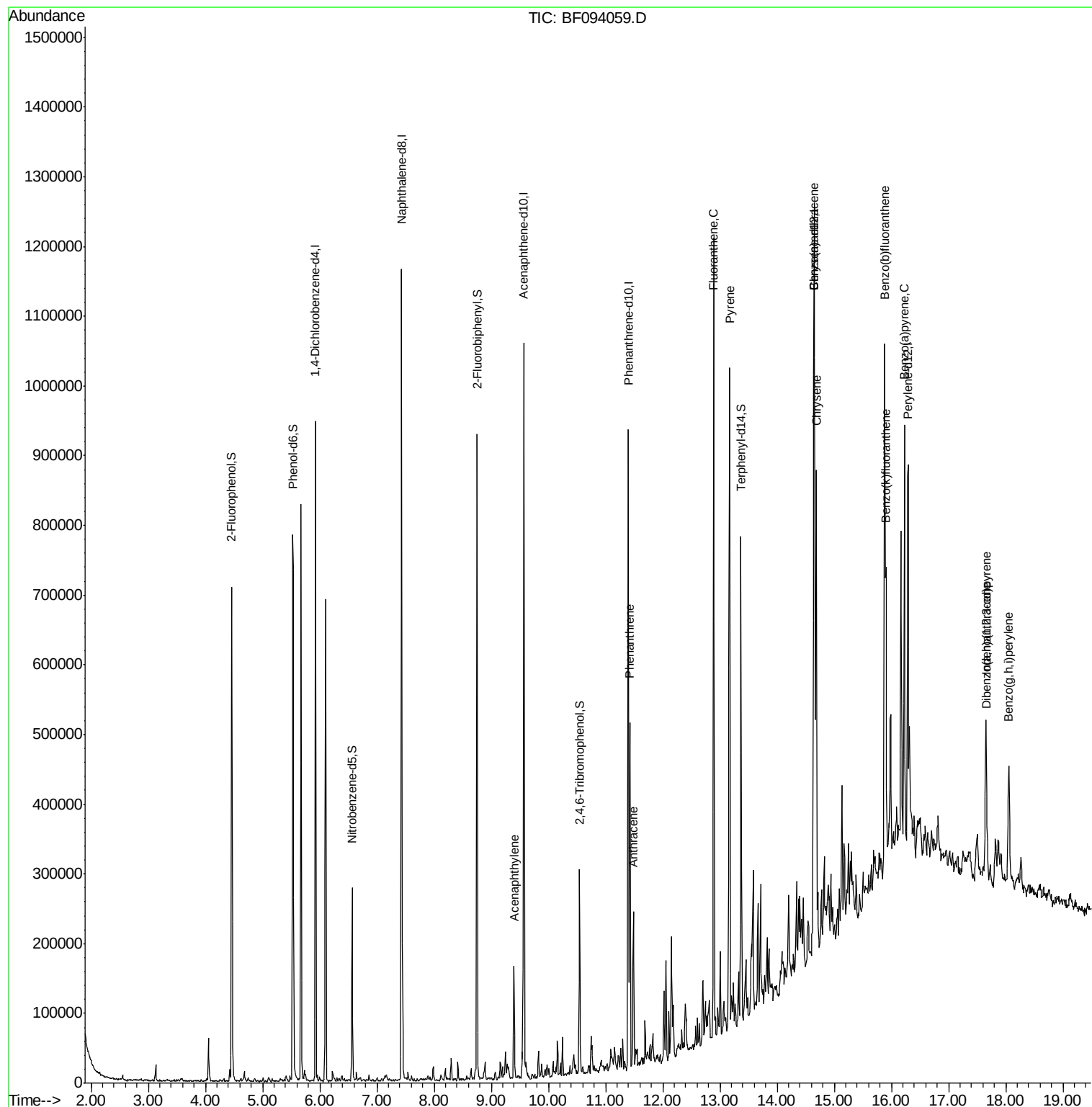
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	147536	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	570955	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	238282	20.00	ng	-0.03
63) Phenanthrene-d10	11.40	188	377468	20.00	ng	-0.02
75) Chrysene-d12	14.65	240	301271	20.00	ng	-0.03
86) Perylene-d12	16.29	264	232506	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	219425	25.12	ng	-0.01
7) Phenol-d6	5.53	99	265824	24.60	ng	-0.02
23) Nitrobenzene-d5	6.56	82	96974	9.69	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	33590	17.84	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	328101	21.00	ng	-0.03
78) Terphenyl-d14	13.37	244	224531	16.71	ng	-0.04
Target Compounds						Qvalue
48) Acenaphthylene	9.40	152	82329	3.29	ng	98
70) Phenanthrene	11.42	178	209149	9.96	ng	97
71) Anthracene	11.49	178	89788	4.15	ng	98
74) Fluoranthene	12.89	202	480561	22.35	ng	99
77) Pyrene	13.17	202	431496	19.74	ng	98
80) Benzo(a)anthracene	14.64	228	321734	18.31	ng	94
82) Chrysene	14.69	228	310304m	19.03	ng	
85) Indeno(1,2,3-cd)pyrene	17.65	276	144313	10.22	ng	94
87) Benzo(b)fluoranthene	15.88	252	423886m	29.74	ng	
88) Benzo(k)fluoranthene	15.90	252	124381m	8.92	ng	
89) Benzo(a)pyrene	16.23	252	250332	19.07	ng	98
90) Dibenzo(a,h)anthracene	17.67	278	39806	3.58	ng	# 82
91) Benzo(a,h,i)perylene	18.06	276	122256	10.91	ng	97

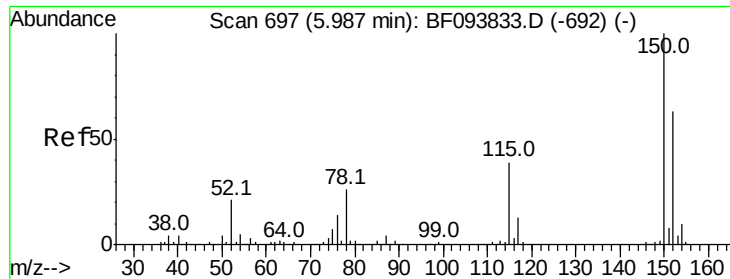
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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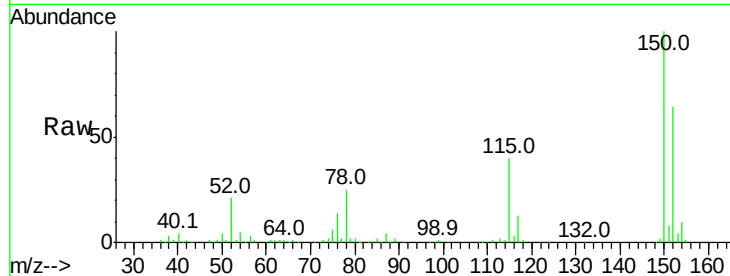


#1

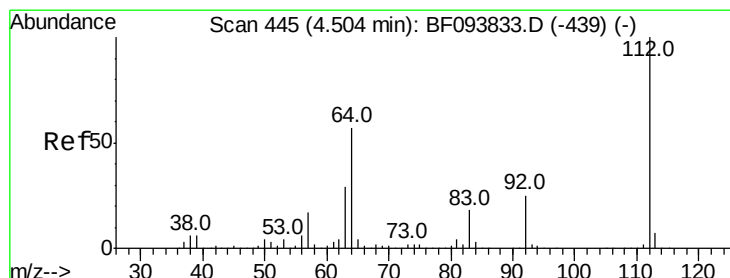
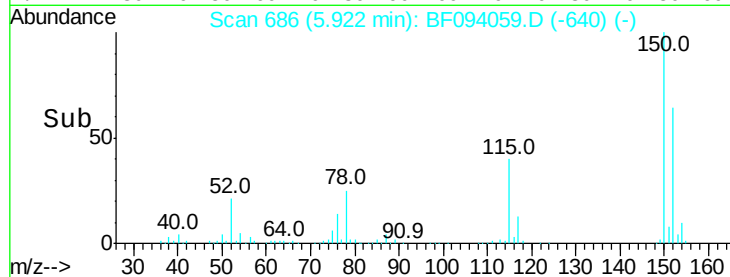
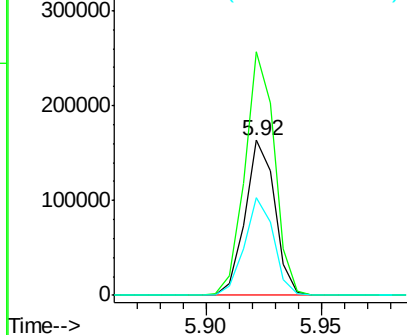
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

Instrument :
BNA_F
ClientSampleId :
E2-R-S-12-13-BASEDL

Tot Ion:152 Resp: 147536
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 62.7 52.2 78.2



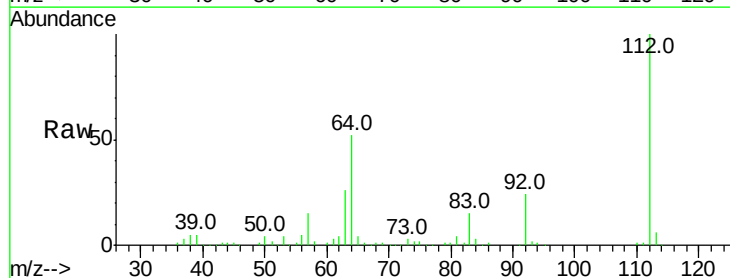
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



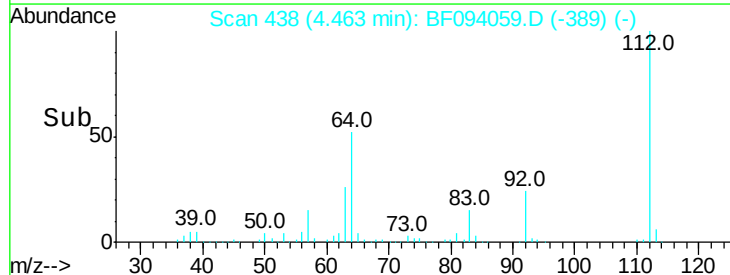
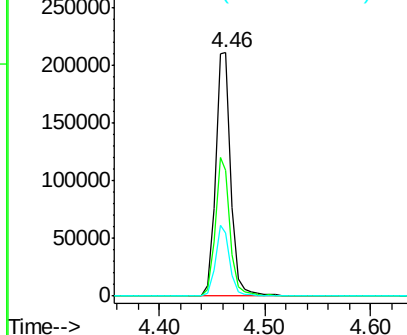
#5

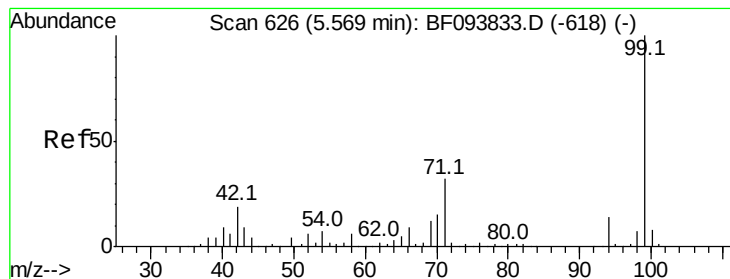
2-Fluorophenol
Concen: 25.12 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

Tgt Ion:112 Resp: 219425
Ion Ratio Lower Upper
112 100
64 51.7 46.0 69.0
63 25.9 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: 24.60 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

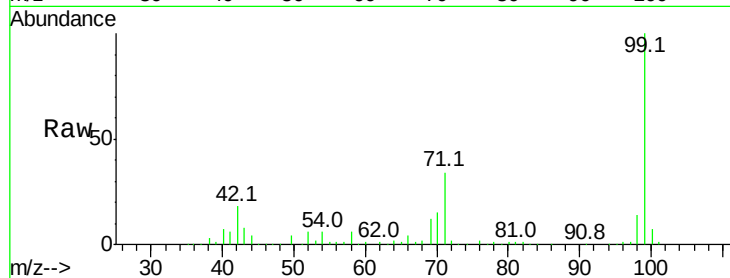
Tot Ion: 99 Resp: 265824

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

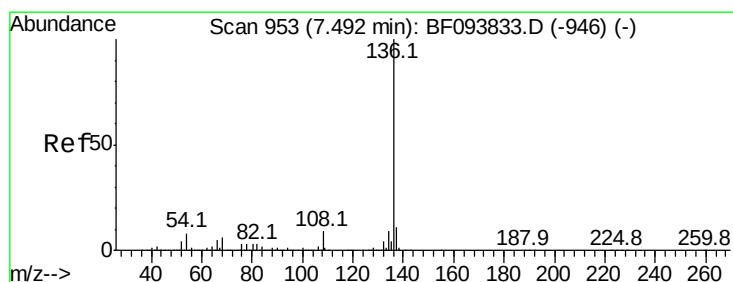
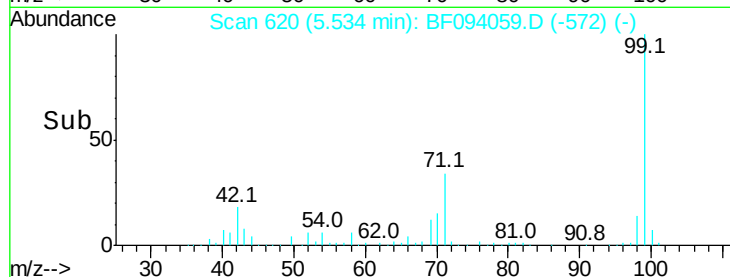
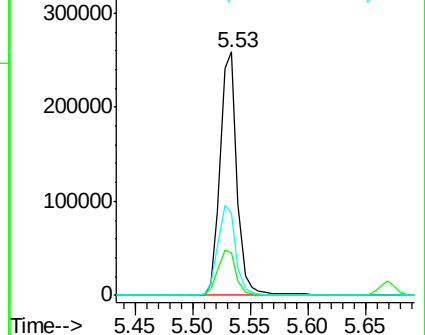
71 33.8 24.5 36.7



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: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Tgt Ion: 136 Resp: 570955

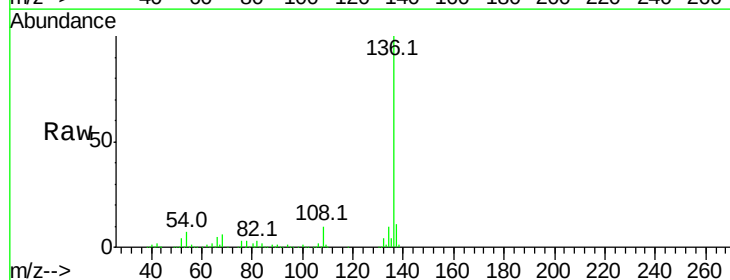
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.4 4.9 7.3#

68 5.8 4.1 6.1

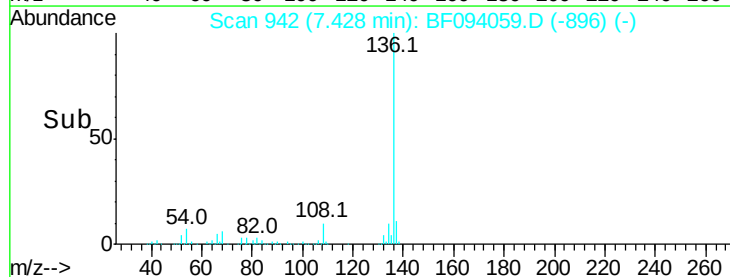
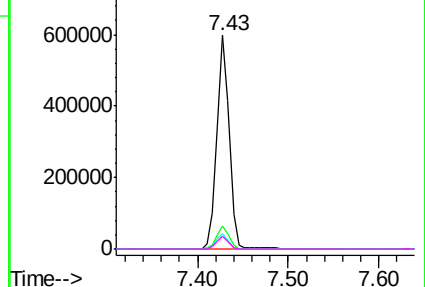


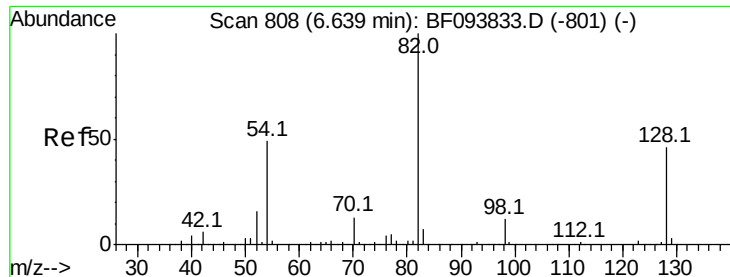
Abundance Ion 136.00 (135.70 to 136.70): E

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

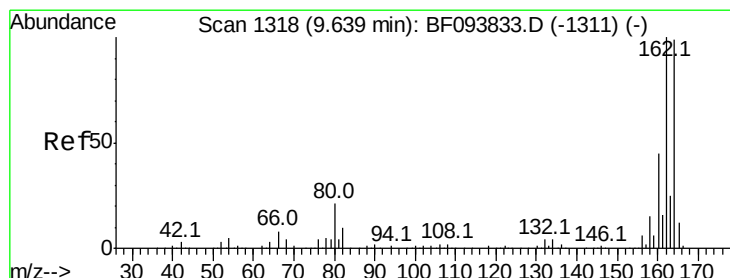
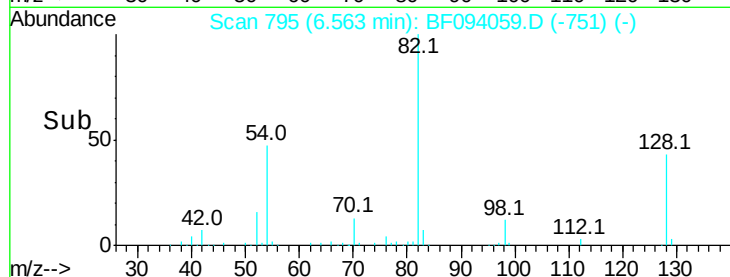
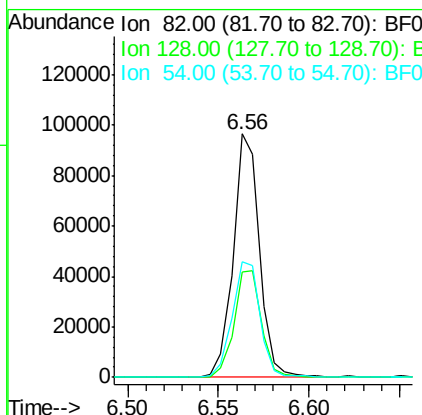
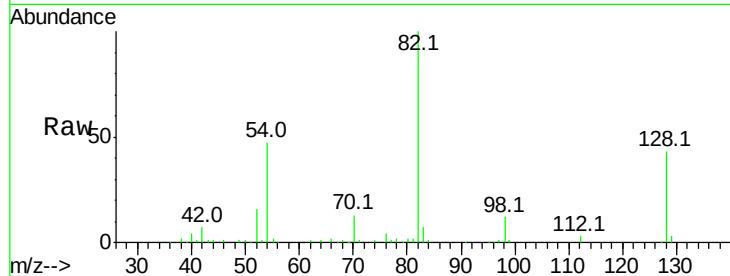




#23
 Nitrobenzene-d5
 Concen: 9.69 ng
 RT: 6.56 min Scan# 795
 Delta R.T. -0.04 min
 Lab File: BF094059.D
 Acq: 30 Mar 2017 13:18

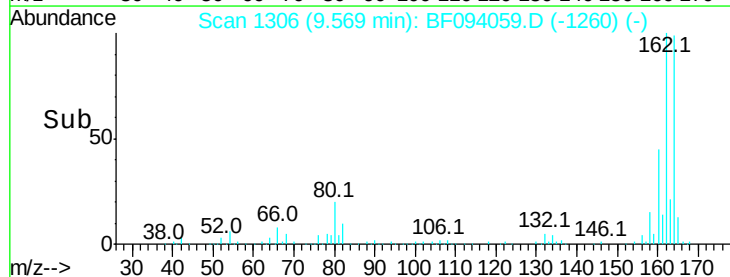
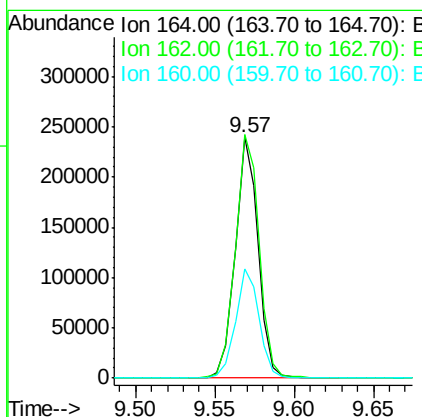
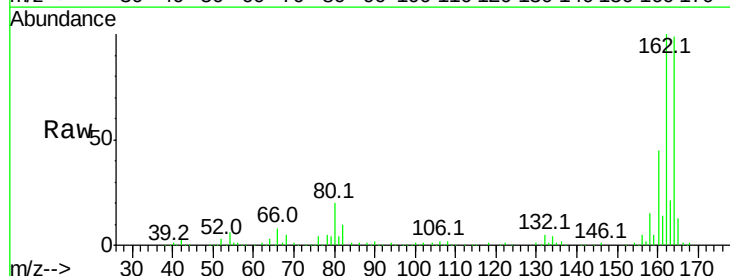
Instrument :
 BNA_F
 ClientSampleId :
 E2-R-S-12-13-BASEDL

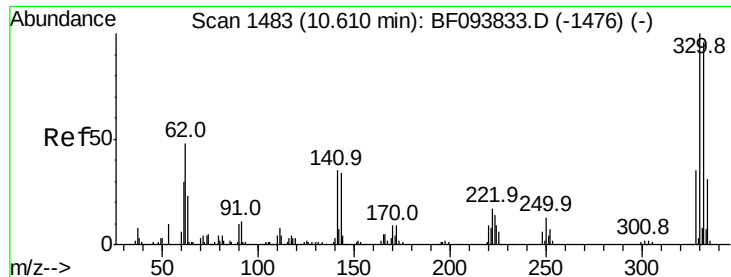
Tot Ion	82	Resp	96974
Ion Ratio	Lower	Upper	
82	100		
128	43.3	34.0	51.0
54	47.5	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094059.D
 Acq: 30 Mar 2017 13:18

Tgt Ion	164	Resp	238282
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.6	123.8
160	45.1	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 17.84 ng

RT: 10.55 min Scan# 1472

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

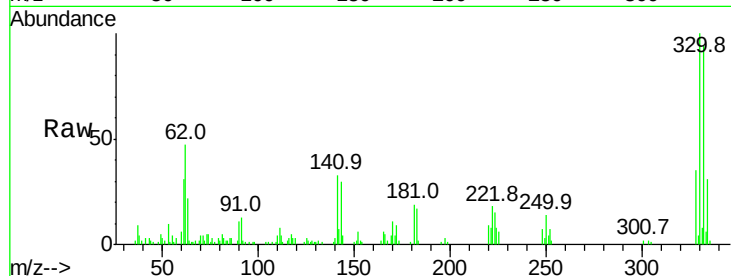
Tot Ion:330 Resp: 33590

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

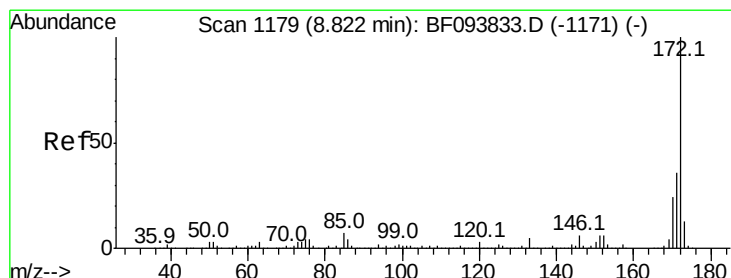
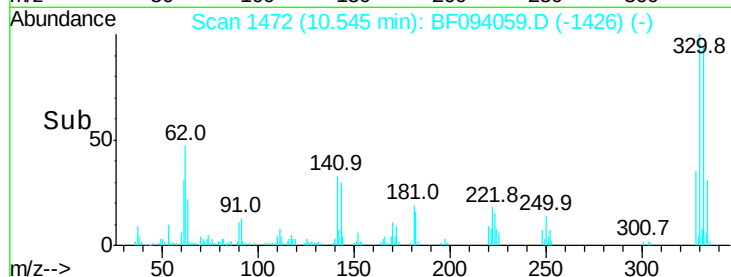
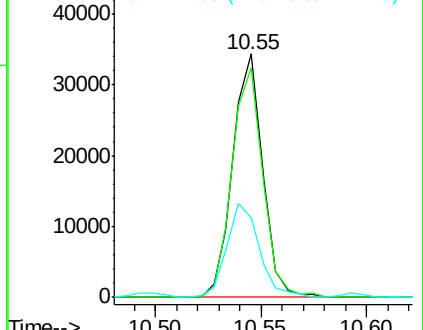
141 41.8 31.4 47.2



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: 21.00 ng

RT: 8.75 min Scan# 1167

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

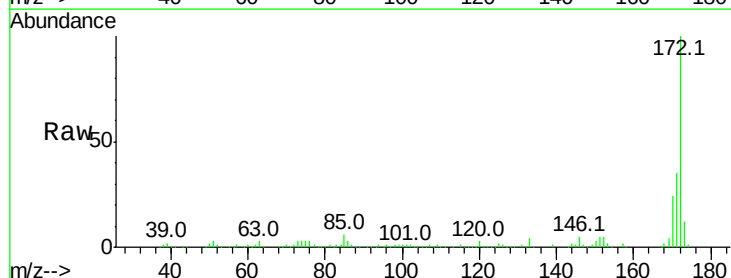
Tgt Ion:172 Resp: 328101

Ion Ratio Lower Upper

172 100

171 35.3 29.6 44.4

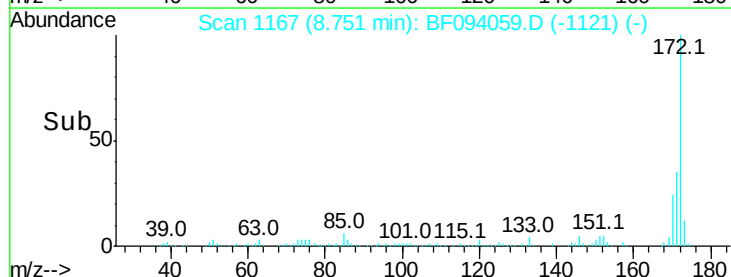
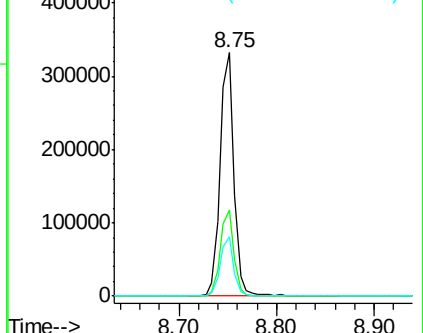
170 24.2 19.8 29.8

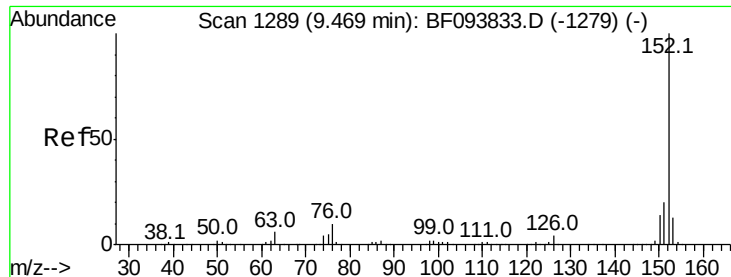


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 3.29 ng

RT: 9.40 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

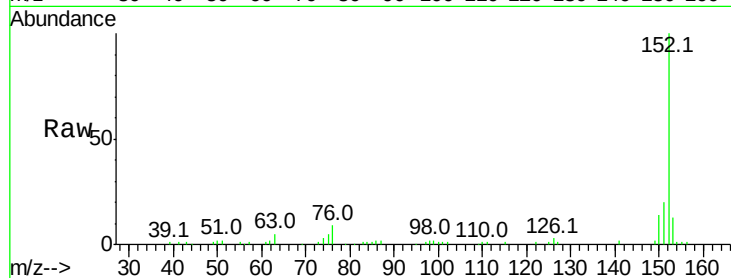
Tot Ion:152 Resp: 82329

Ion Ratio Lower Upper

152 100

151 19.6 16.8 25.2

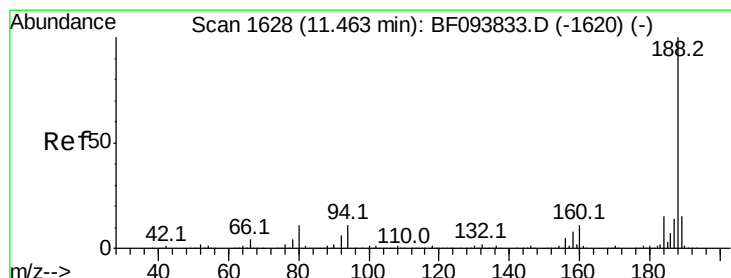
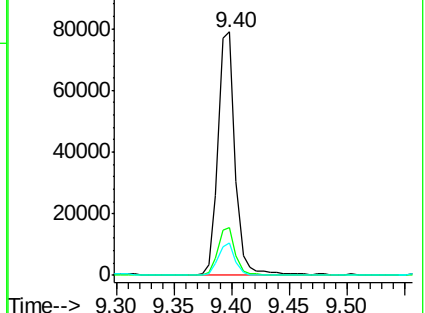
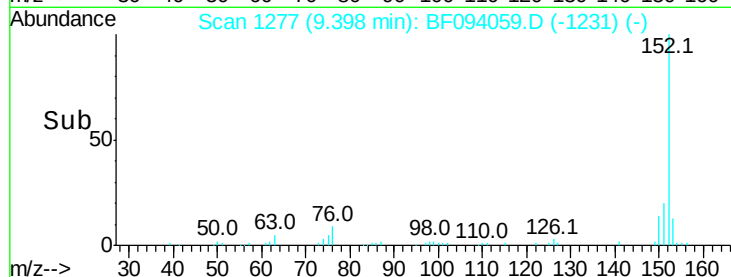
153 13.4 10.8 16.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.02 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

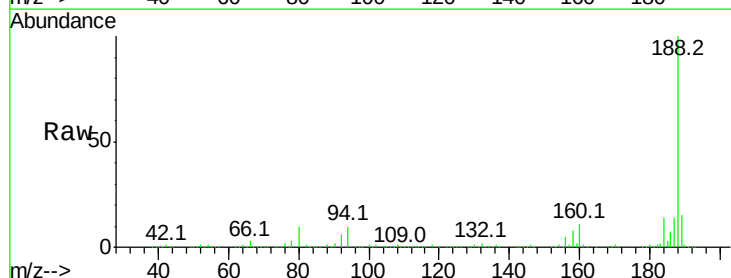
Tgt Ion:188 Resp: 377468

Ion Ratio Lower Upper

188 100

94 10.3 9.4 14.2

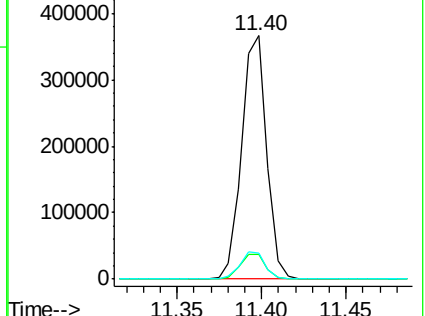
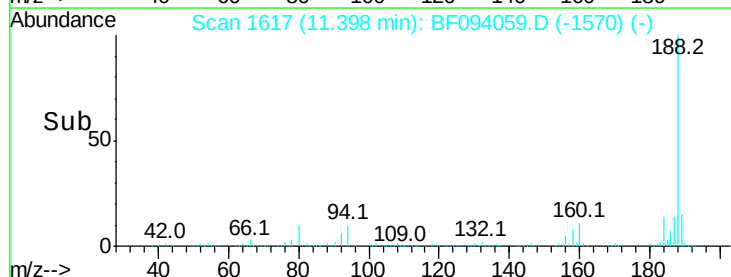
80 10.4 10.2 15.2

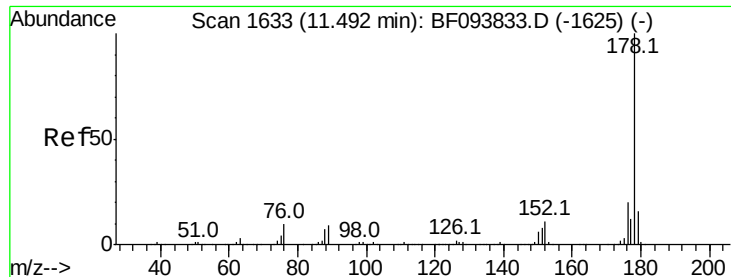


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

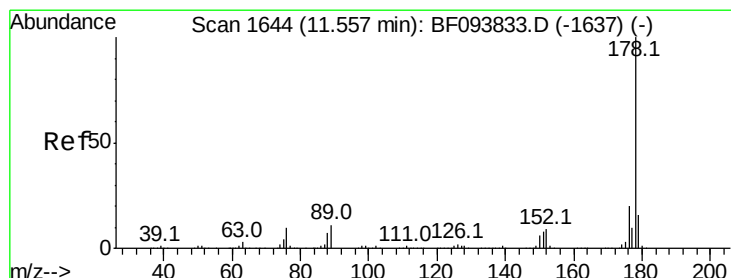
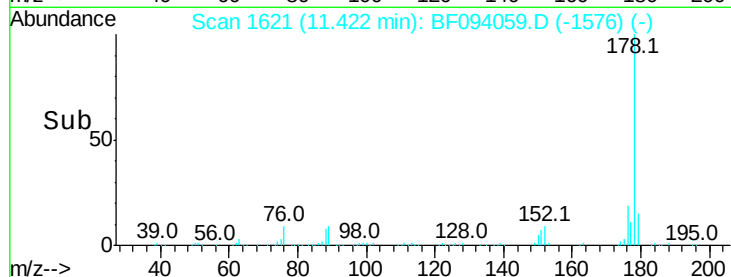
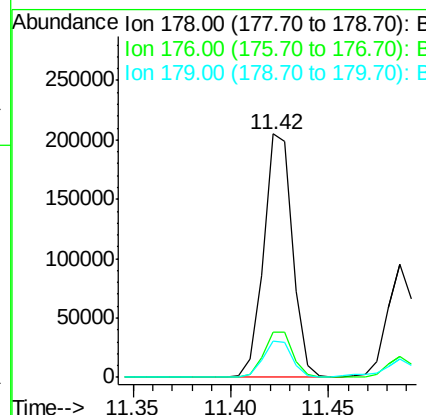
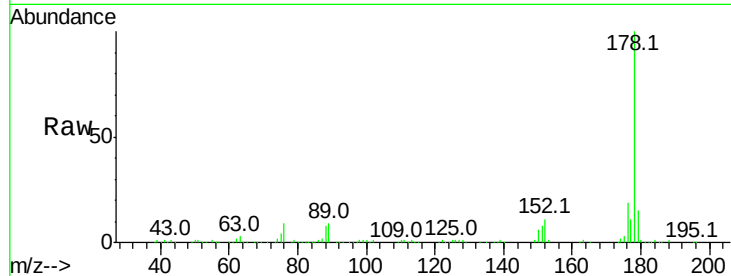




#70
Phenanthrene
Concen: 9.96 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

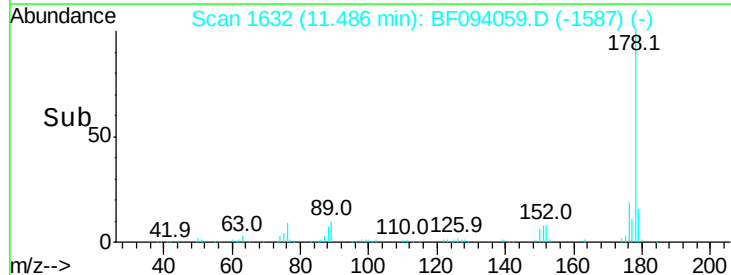
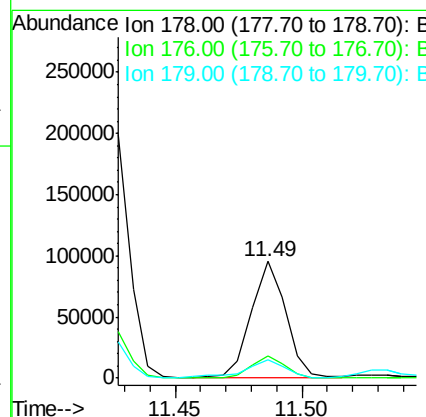
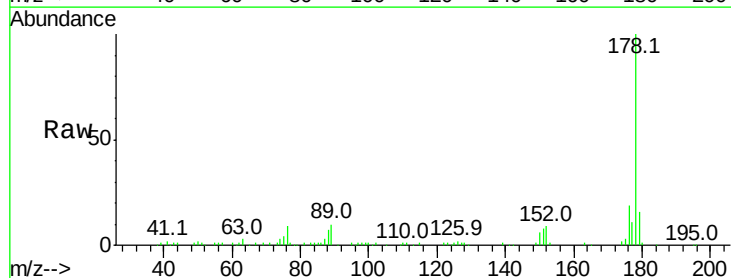
Instrument :
BNA_F
ClientSampleId :
E2-R-S-12-13-BASEDL

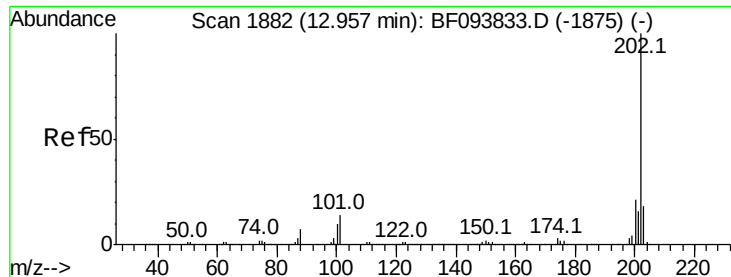
Tot Ion:178 Resp: 209149
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.1 12.6 19.0



#71
Anthracene
Concen: 4.15 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.04 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

Tgt Ion:178 Resp: 89788
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 16.3 12.7 19.1

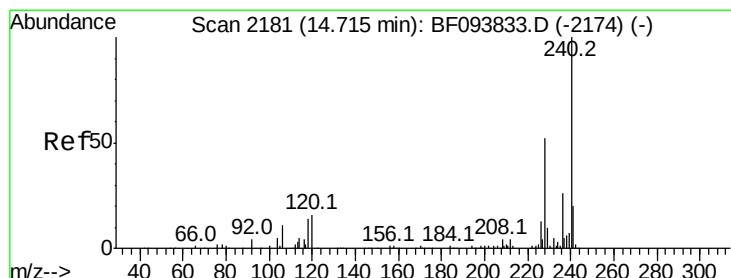
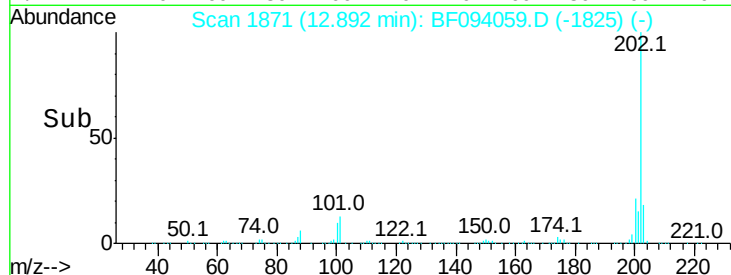
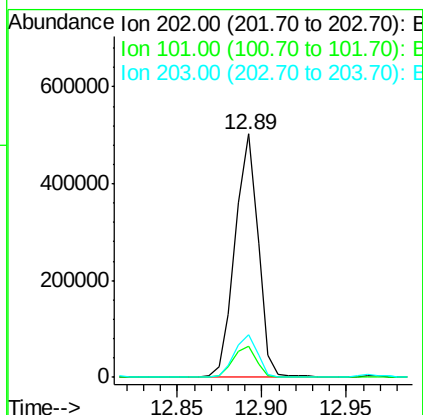
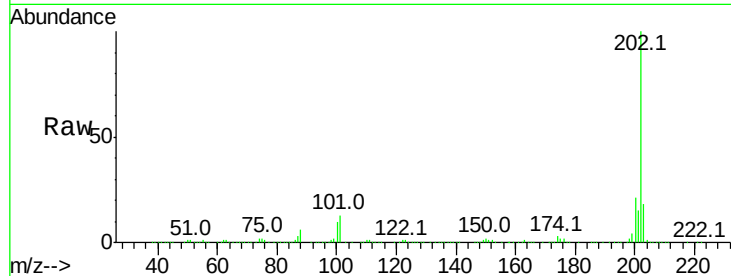




#74
Fluoranthene
Concen: 22.35 ng
RT: 12.89 min Scan# 1871
Delta R.T. -0.03 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

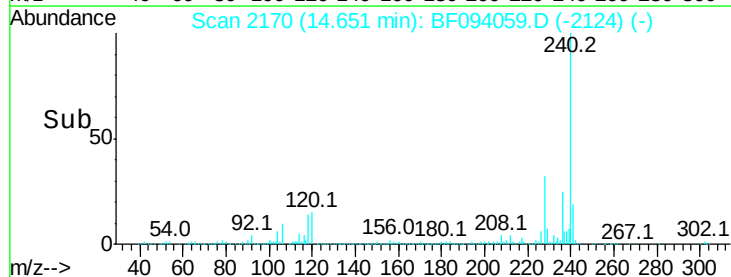
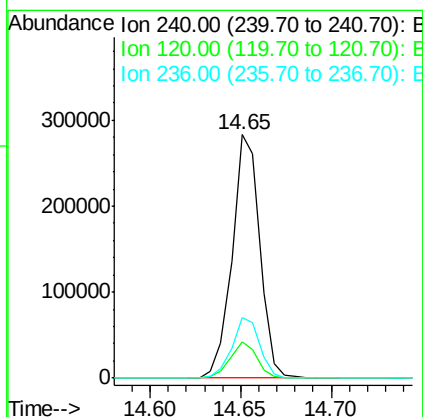
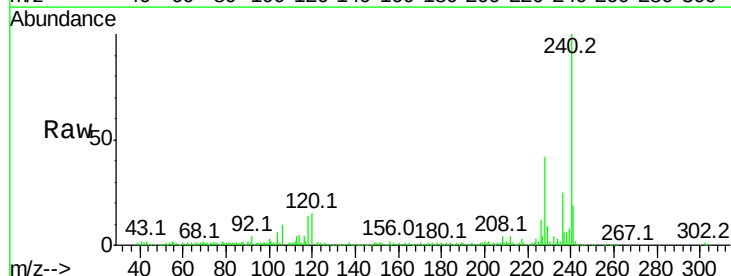
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ClientSampleId :
E2-R-S-12-13-BASEDL

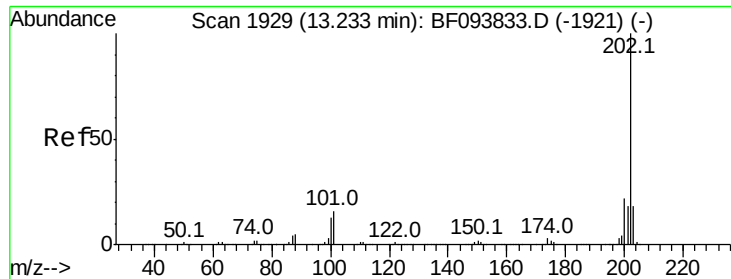
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.7	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.1	20.5	30.7

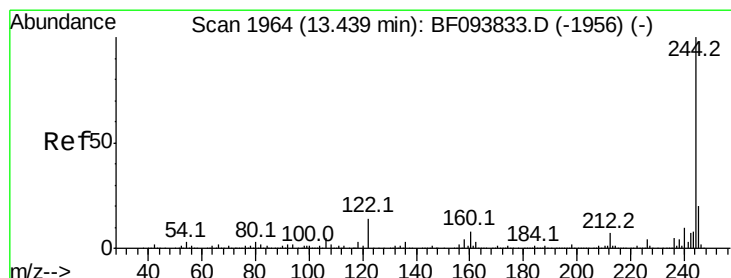
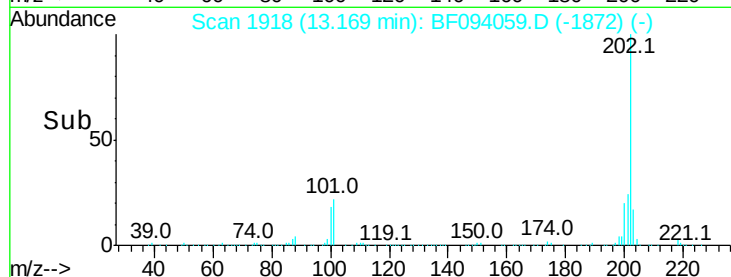
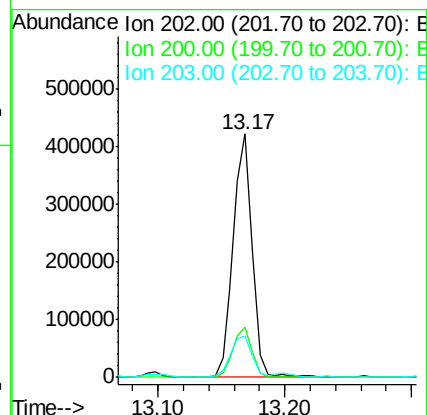
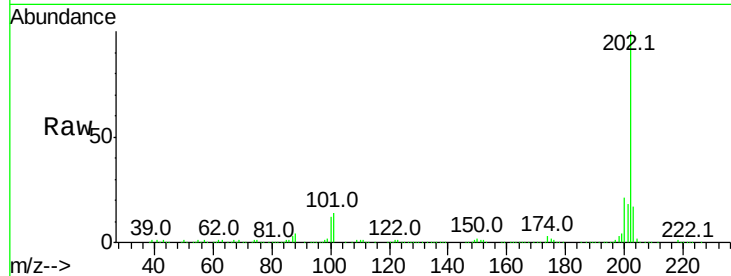




#77
Pvrene
Concen: 19.74 ng
RT: 13.17 min Scan# 1918
Delta R.T. -0.03 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

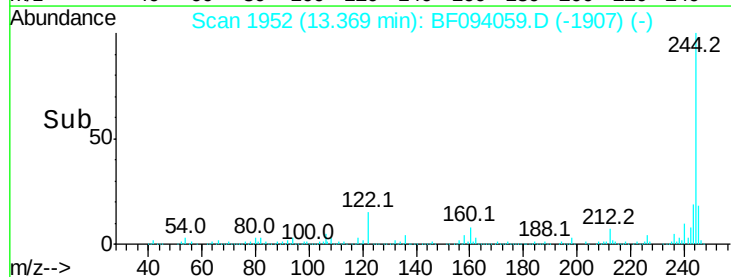
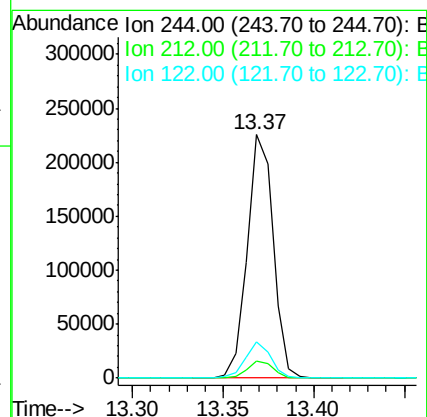
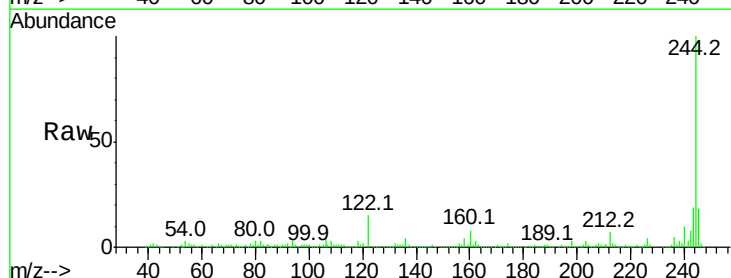
Instrument :
BNA_F
ClientSampleId :
E2-R-S-12-13-BASEDL

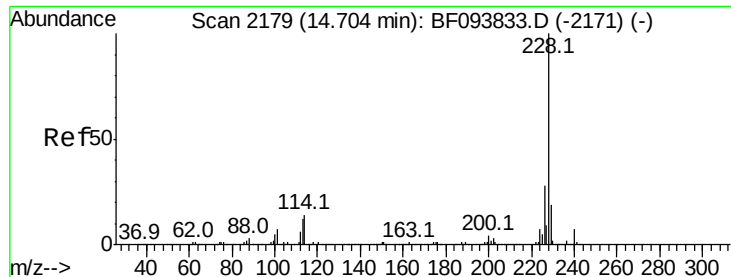
Tot Ion:202 Resp: 431496
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 17.1 14.4 21.6



#78
Terphenyl-d14
Concen: 16.71 ng
RT: 13.37 min Scan# 1952
Delta R.T. -0.04 min
Lab File: BF094059.D
Acq: 30 Mar 2017 13:18

Tgt Ion:244 Resp: 224531
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 15.0 10.3 15.5





#80

Benzo(a)anthracene

Concen: 18.31 ng

RT: 14.64 min Scan# 2168

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

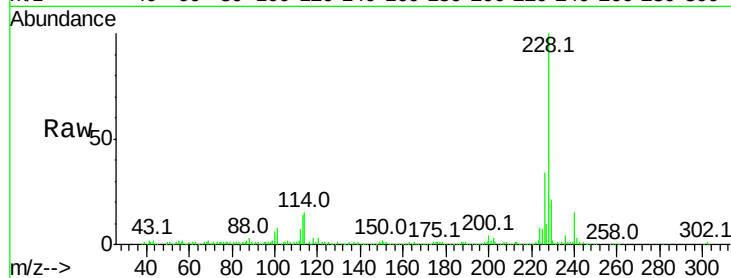
Tot Ion:228 Resp: 321734

Ion Ratio Lower Upper

228 100

226 33.8 22.6 33.8

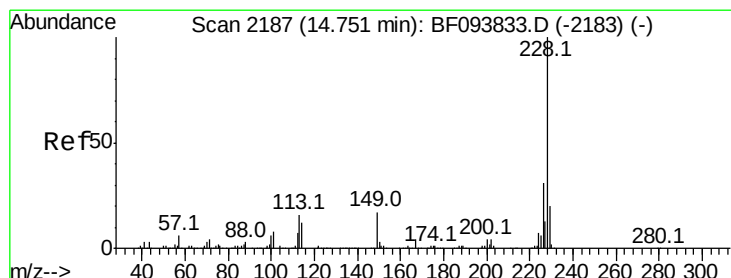
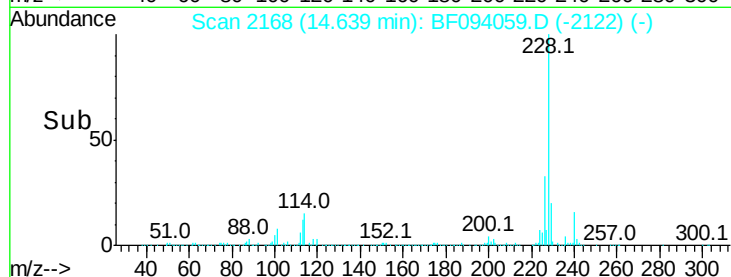
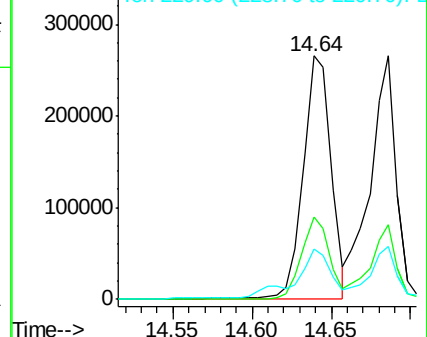
229 20.6 16.3 24.5



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: 19.03 ng m

RT: 14.69 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

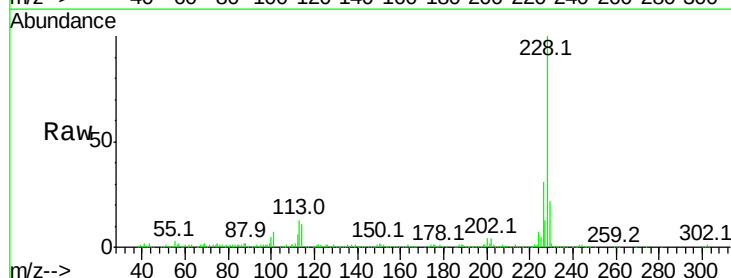
Tgt Ion:228 Resp: 310304

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

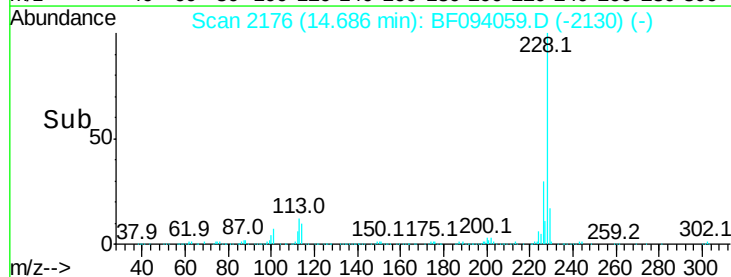
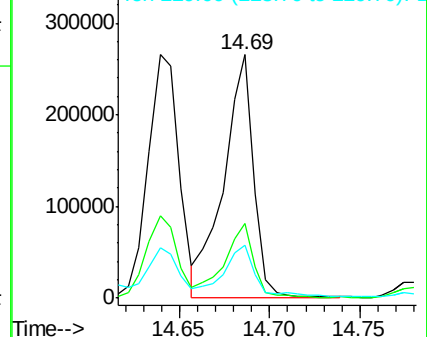
229 21.7 15.8 23.6

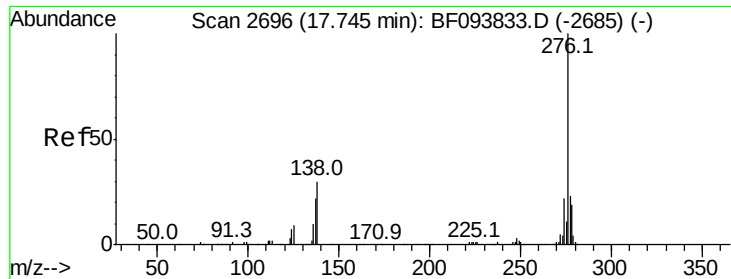


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

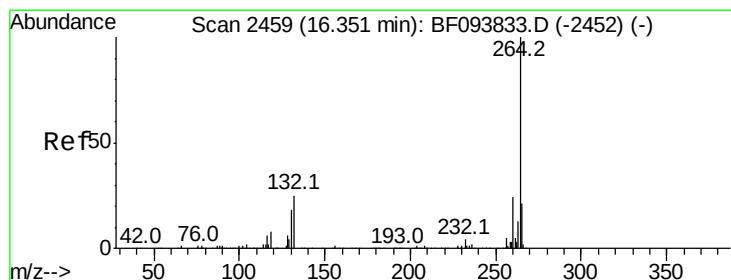
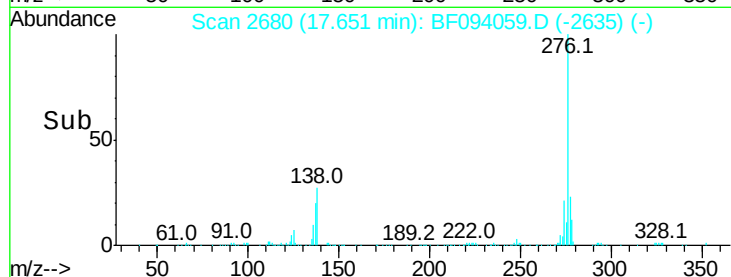
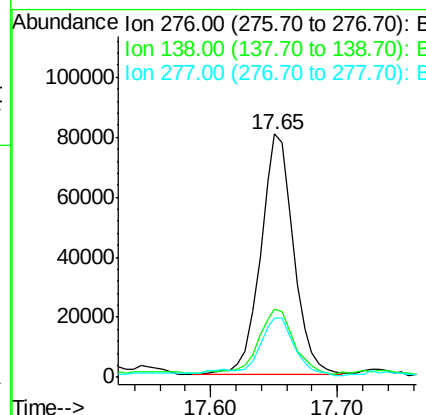
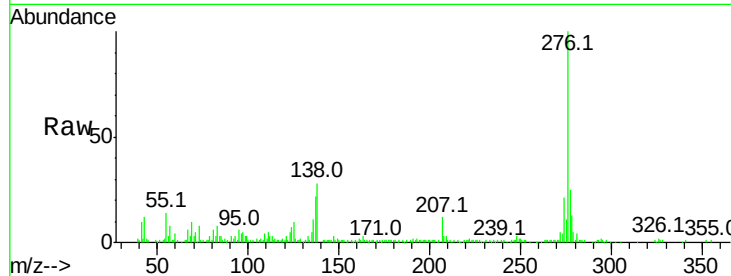




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.22 ng
 RT: 17.65 min Scan# 2680
 Delta R.T. -0.04 min
 Lab File: BF094059.D
 Acq: 30 Mar 2017 13:18

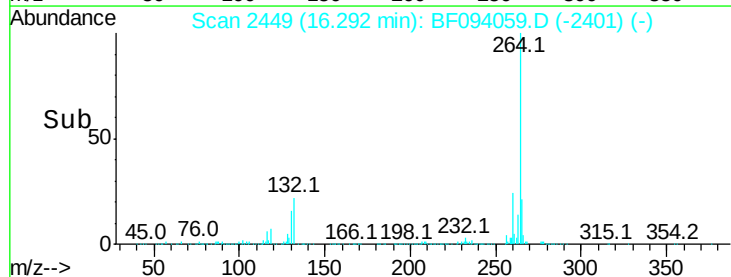
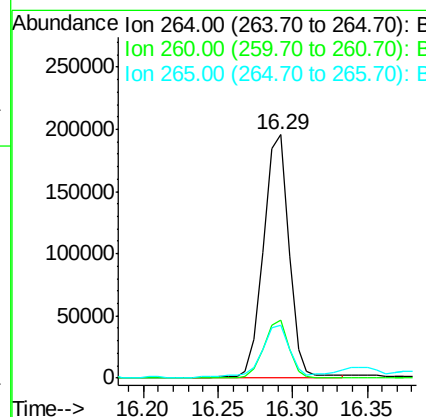
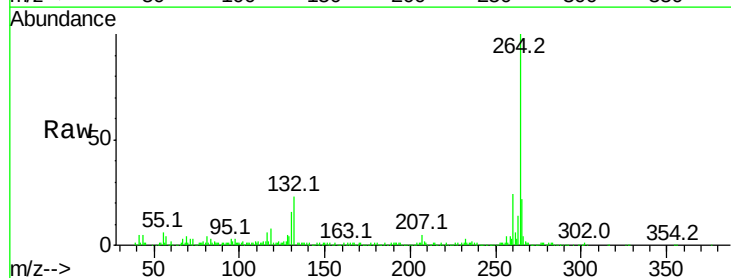
Instrument :
 BNA_F
 ClientSampleId :
 E2-R-S-12-13-BASEDL

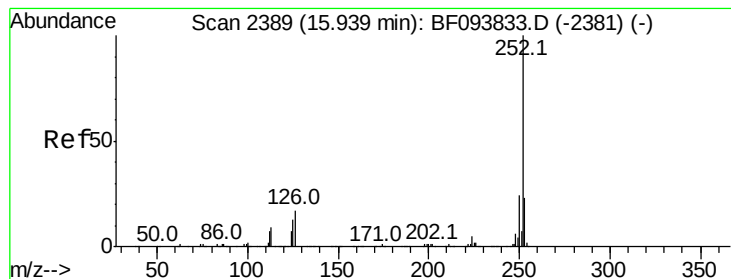
Tot Ion:276 Resp: 144313
 Ion Ratio Lower Upper
 276 100
 138 29.8 27.8 41.6
 277 24.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.29 min Scan# 2449
 Delta R.T. -0.02 min
 Lab File: BF094059.D
 Acq: 30 Mar 2017 13:18

Tgt Ion:264 Resp: 232506
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 21.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 29.74 ng m

RT: 15.88 min Scan# 2379

Delta R.T. -0.02 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

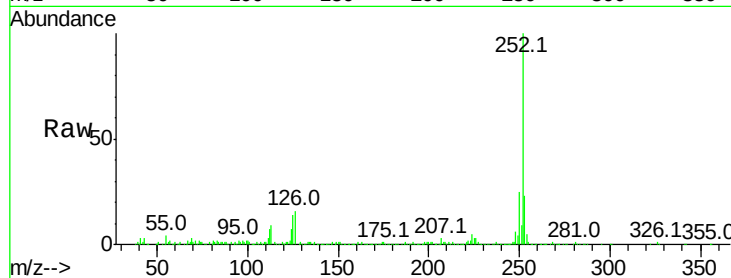
Tot Ion:252 Resp: 423886

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 14.1 9.8 14.8

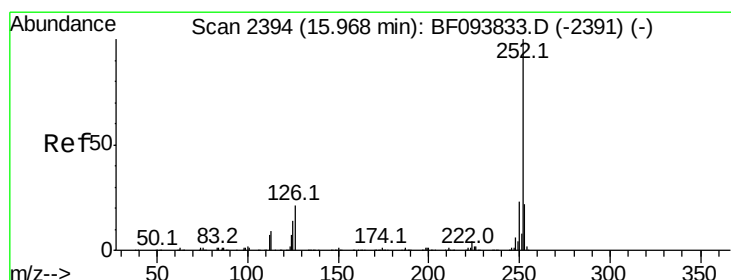
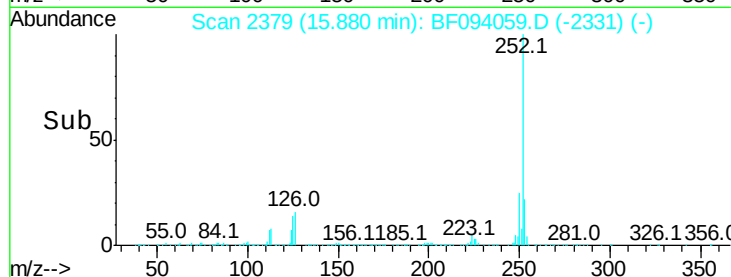
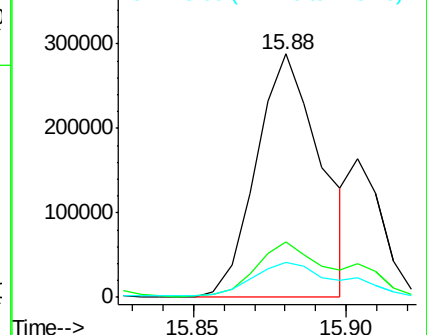


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 8.92 ng m

RT: 15.90 min Scan# 2383

Delta R.T. -0.03 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

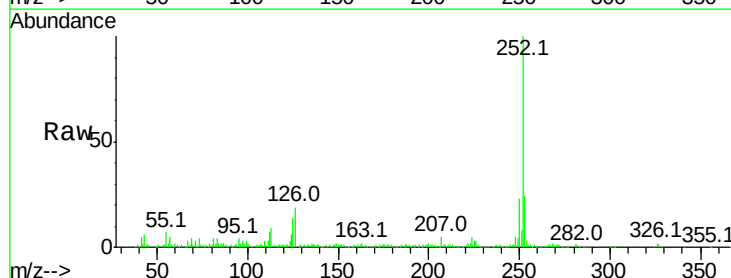
Tgt Ion:252 Resp: 124381

Ion Ratio Lower Upper

252 100

253 24.2 18.4 27.6

125 14.5 13.1 19.7

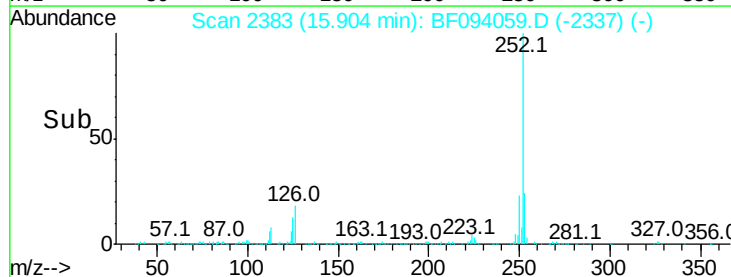
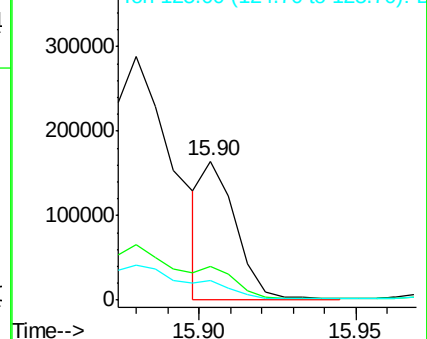


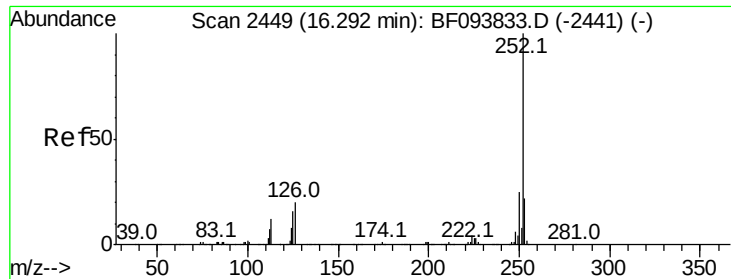
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 19.07 ng

RT: 16.23 min Scan# 2438

Delta R.T. -0.02 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

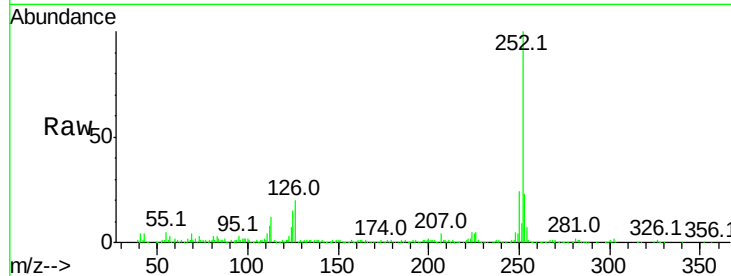
Tot Ion:252 Resp: 250332

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

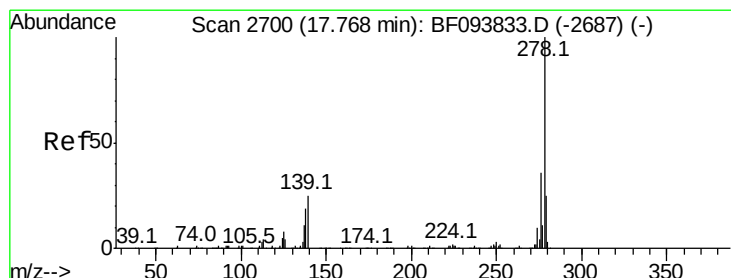
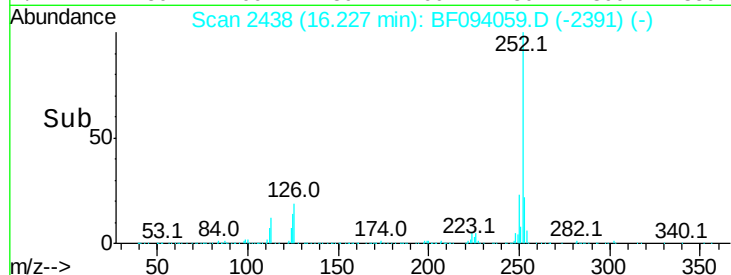
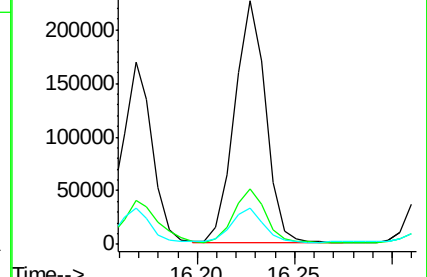
125 14.7 11.0 16.4



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: 3.58 ng

RT: 17.67 min Scan# 2683

Delta R.T. -0.04 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

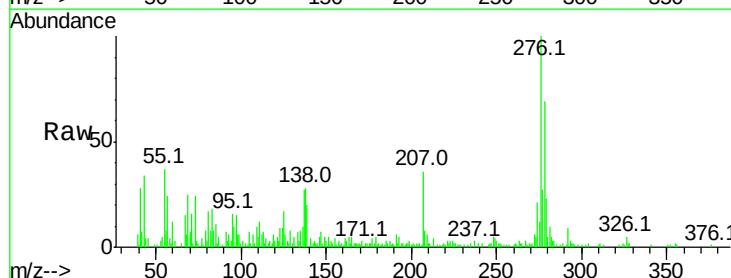
Tgt Ion:278 Resp: 39806

Ion Ratio Lower Upper

278 100

139 29.5 16.6 24.8#

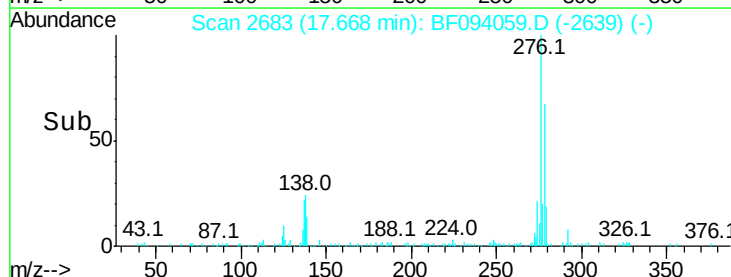
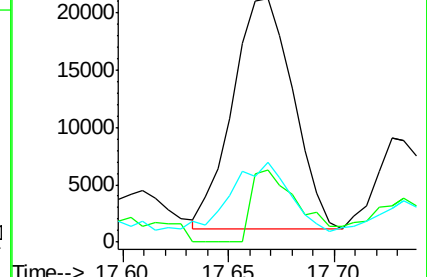
279 33.0 19.3 28.9#

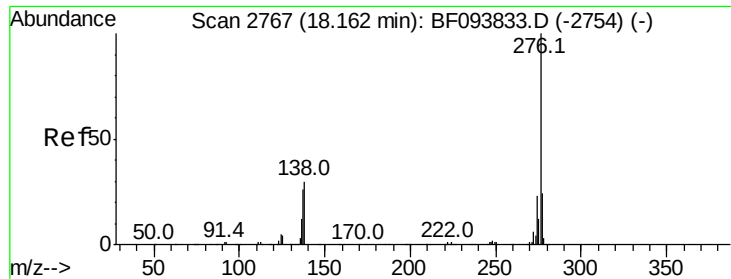


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.91 ng

RT: 18.06 min Scan# 2749

Delta R.T. -0.04 min

Lab File: BF094059.D

Acq: 30 Mar 2017 13:18

Instrument :

BNA_F

ClientSampleId :

E2-R-S-12-13-BASEDL

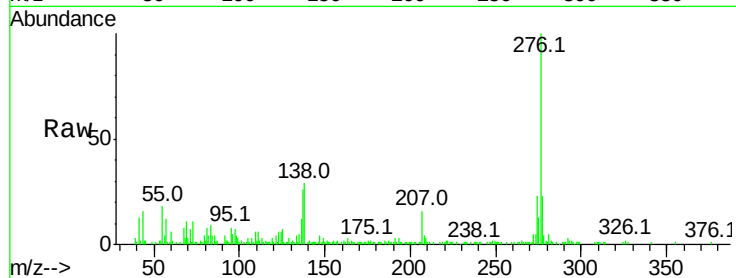
Tot Ion:276 Resp: 122256

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 29.3 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

