

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091149.D
 Acq On : 12 Nov 2015 17:39
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.496

Quant Time: Nov 13 15:24:21 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3335	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	18193	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10604	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	25043	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	27302	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	26720	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.94	96	3963	1.65	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.07	152	10021	0.40	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	26030	0.37	ng/ul	0.00

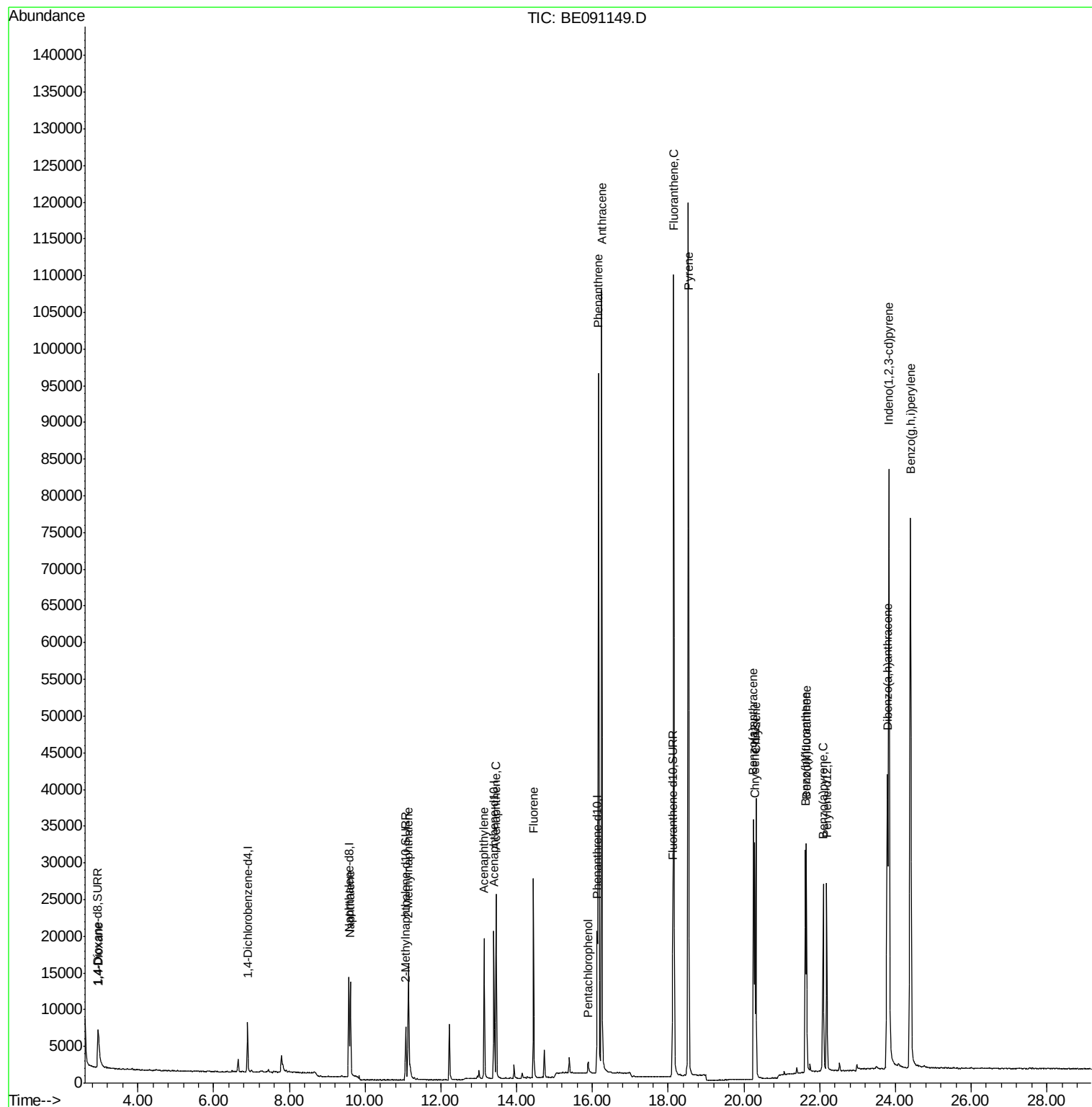
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.96	88	4659	1.72	ng/ul#	73
5) Naphthalene	9.61	128	17096	0.38	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	11729	0.40	ng/ul	90
9) Acenaphthylene	13.14	152	20610	0.39	ng/ul	98
10) Acenaphthene	13.46	153	13743	0.38	ng/ul	93
11) Fluorene	14.45	166	16569	0.36	ng/ul	91
13) Pentachlorophenol	15.89	266	1566	0.66	ng/ul	93
14) Phenanthrene	16.16	178	111086	0.38	ng/ul	97
15) Anthracene	16.25	178	108118	0.41	ng/ul	99
17) Fluoranthene	18.15	202	124183	0.37	ng/ul	90
19) Pyrene	18.53	202	123185	0.40	ng/ul#	80
20) Benzo(a)anthracene	20.25	228	29394	0.42	ng/ul	99
21) Chrysene	20.32	228	30463	0.38	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	30187	0.36	ng/ul	95
24) Benzo(k)fluoranthene	21.65	252	30632	0.36	ng/ul	95
25) Benzo(a)pyrene	22.09	252	29355	0.38	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.83	276	117734	0.36	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.79	278	29517	0.38	ng/ul#	72
28) Benzo(g,h,i)perylene	24.40	276	122339	0.36	ng/ul	92

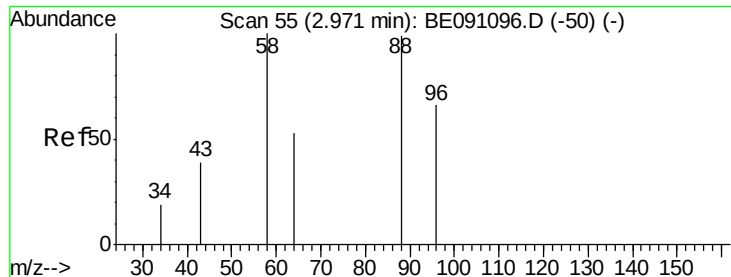
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.72 ng/ul

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

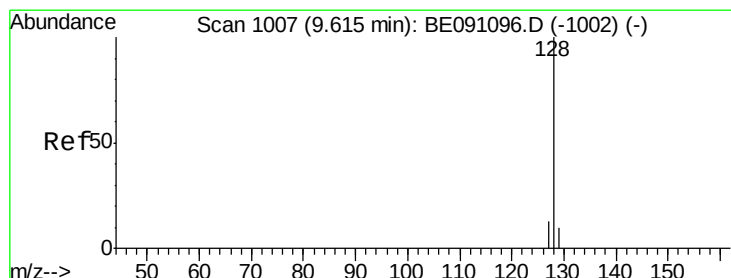
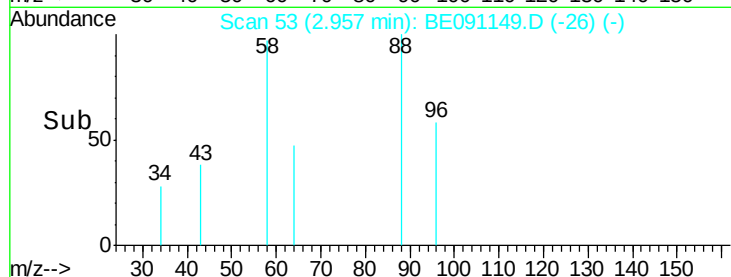
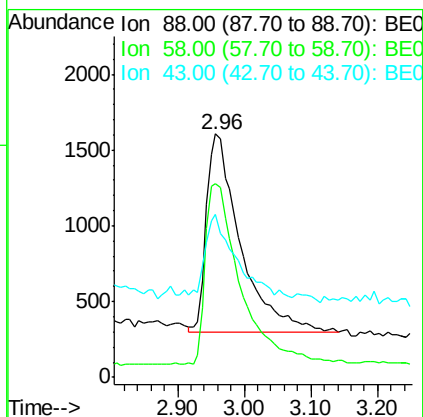
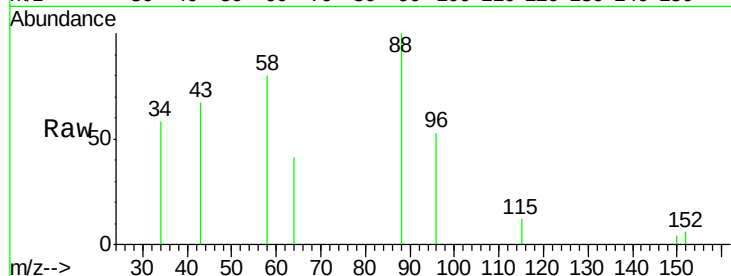
Tgt Ion: 88 Resp: 4659

Ion Ratio Lower Upper

88 100

58 94.5 55.4 83.2#

43 39.5 24.2 36.2#



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

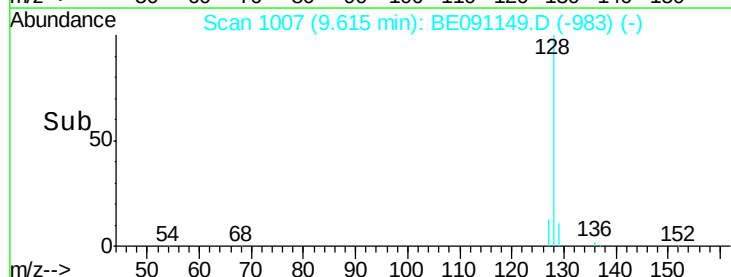
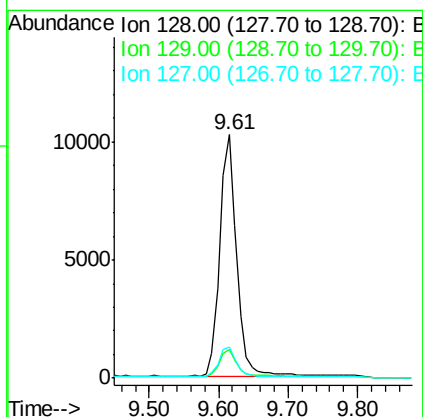
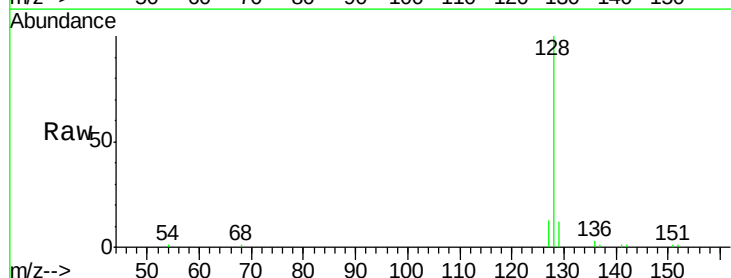
Tgt Ion: 128 Resp: 17096

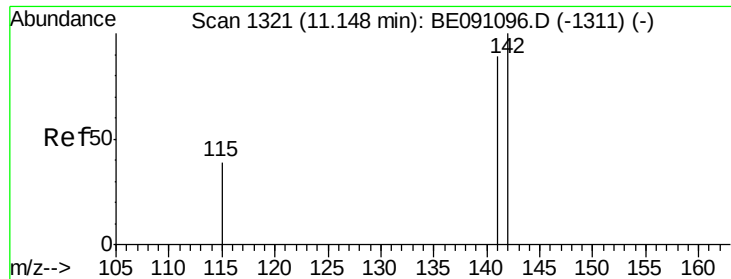
Ion Ratio Lower Upper

128 100

129 11.8 9.8 14.8

127 13.0 10.7 16.1





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 11.14 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

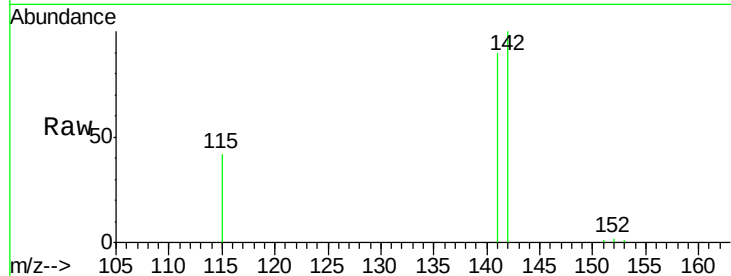
SSTD0.496

Tgt Ion:142 Resp: 11729

Ion Ratio Lower Upper

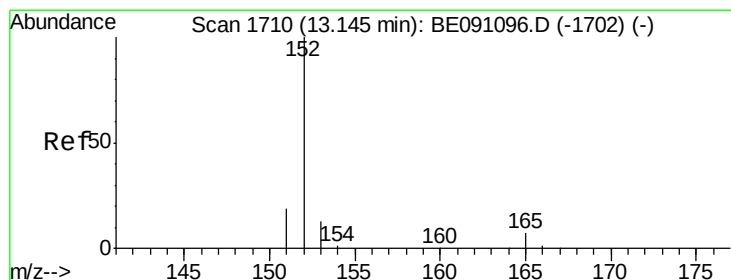
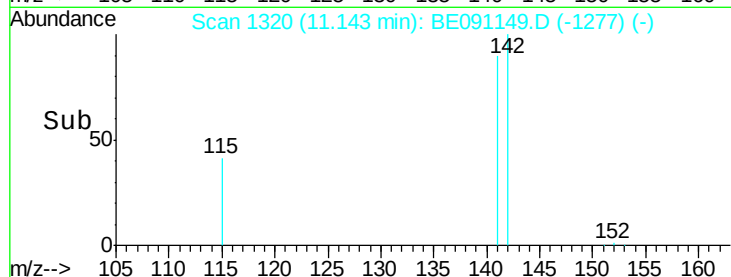
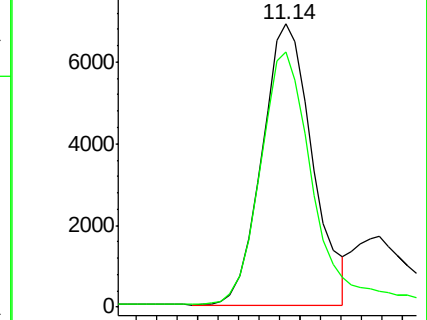
142 100

141 96.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

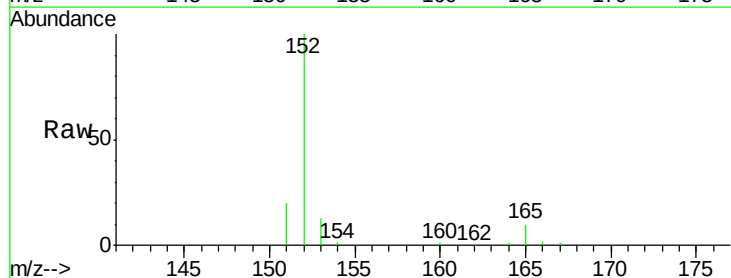
Tgt Ion:152 Resp: 20610

Ion Ratio Lower Upper

152 100

151 19.9 16.8 25.2

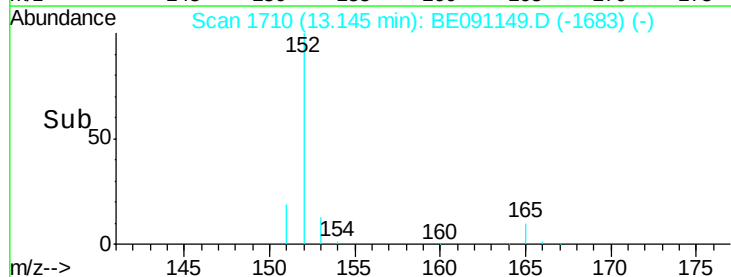
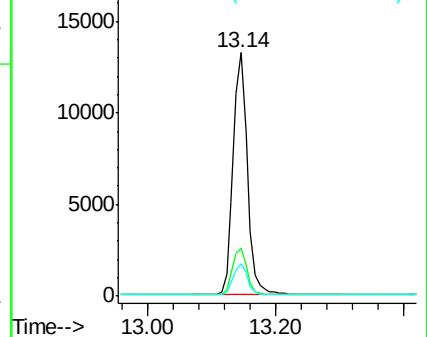
153 13.1 11.3 16.9

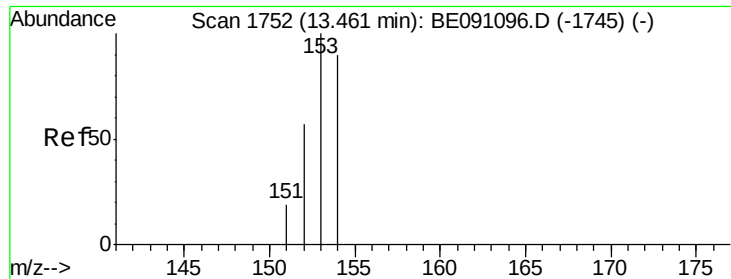


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

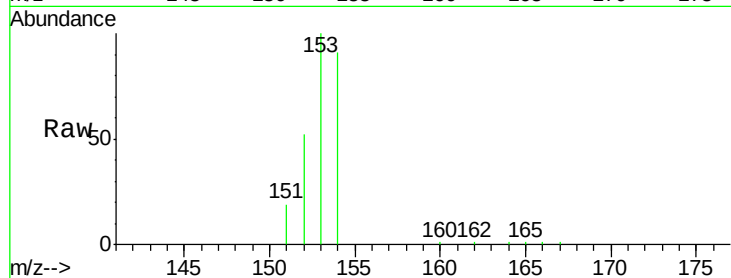
Tgt Ion:153 Resp: 13743

Ion Ratio Lower Upper

153 100

152 52.1 42.3 63.5

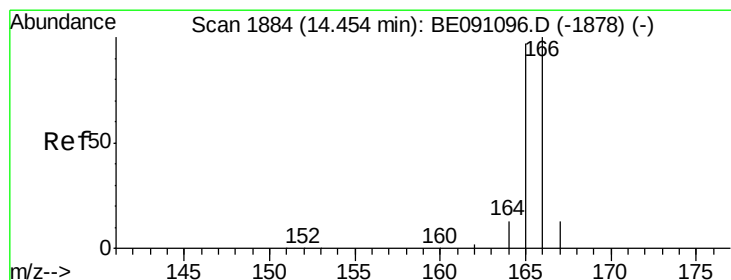
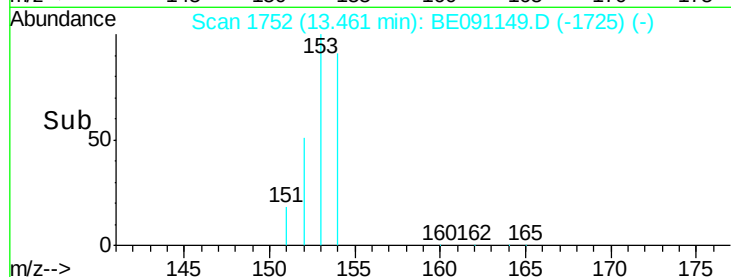
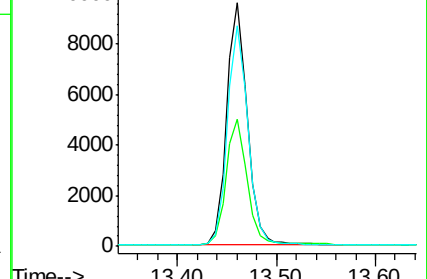
154 90.7 64.7 97.1



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.36 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

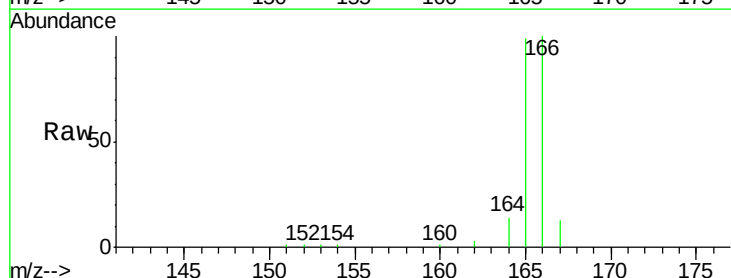
Tgt Ion:166 Resp: 16569

Ion Ratio Lower Upper

166 100

165 98.5 87.6 131.4

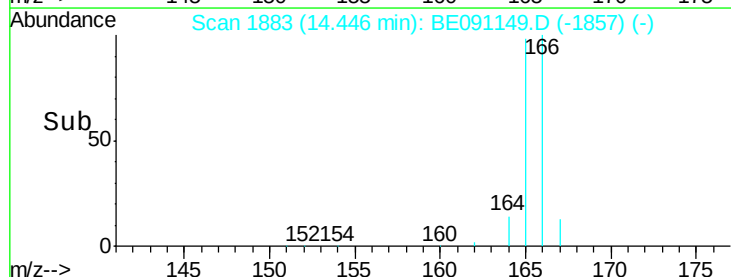
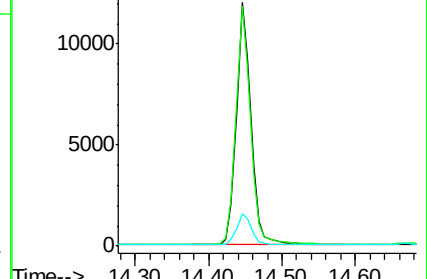
167 13.2 11.1 16.7

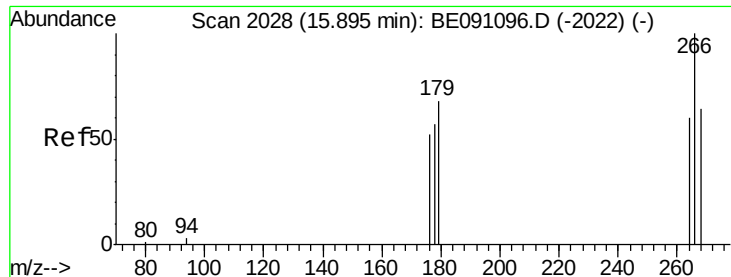


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

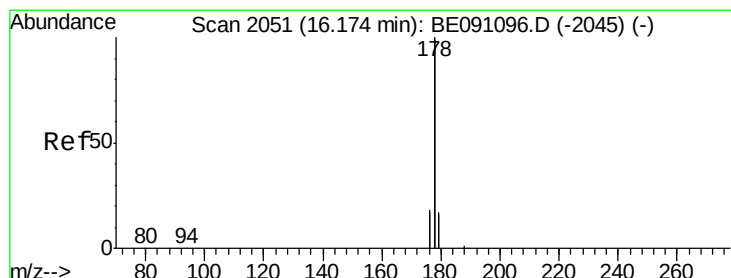
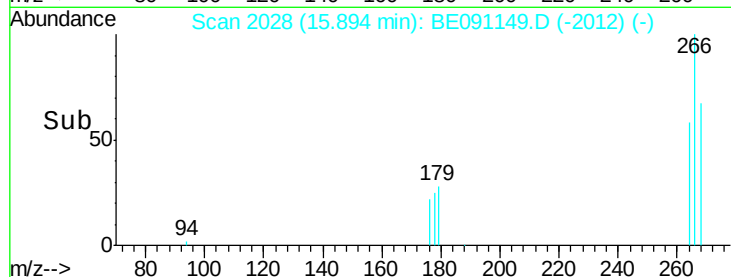
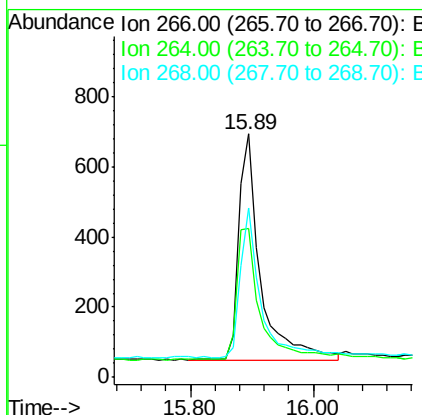
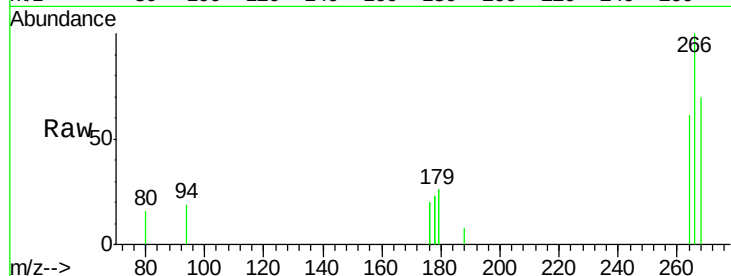




#13
 Pentachlorophenol
 Concen: 0.66 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091149.D
 Acq: 12 Nov 2015 17:39

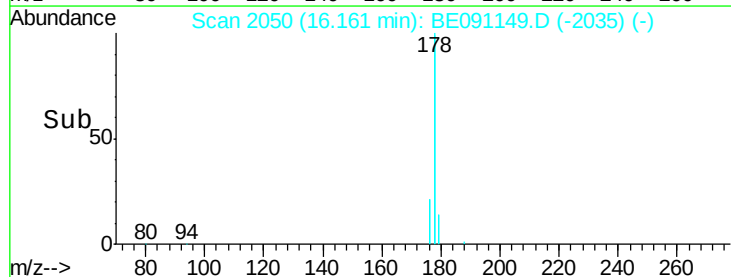
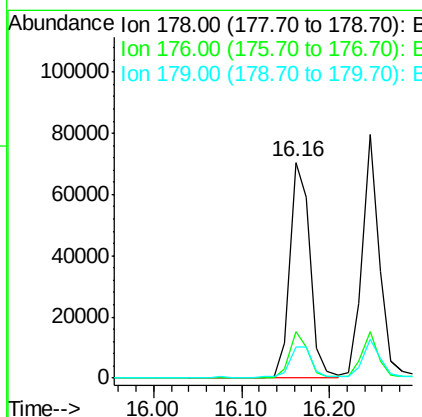
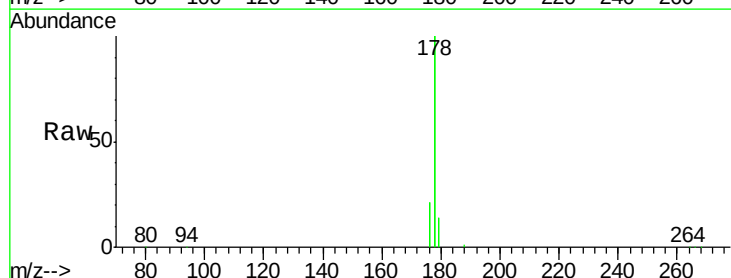
Instrument :
 BNA_E
 ClientSampleId :
 SST0.496

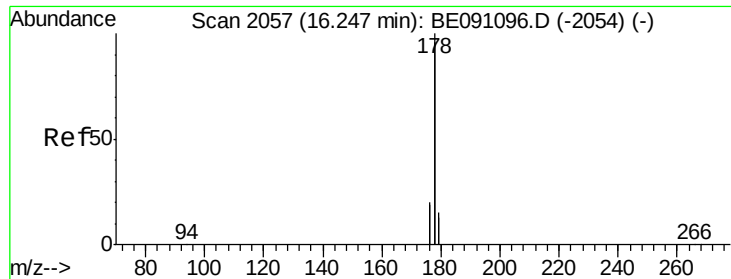
Tgt Ion: 266 Resp: 1566
 Ion Ratio Lower Upper
 266 100
 264 61.4 53.5 80.3
 268 62.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.16 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BE091149.D
 Acq: 12 Nov 2015 17:39

Tgt Ion: 178 Resp: 111086
 Ion Ratio Lower Upper
 178 100
 176 21.3 16.2 24.4
 179 14.5 12.8 19.2





#15

Anthracene

Concen: 0.41 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

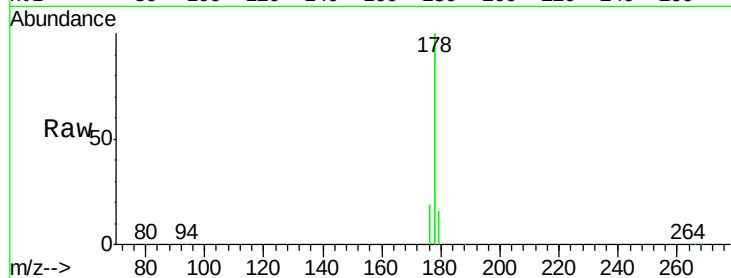
Tgt Ion:178 Resp: 108118

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

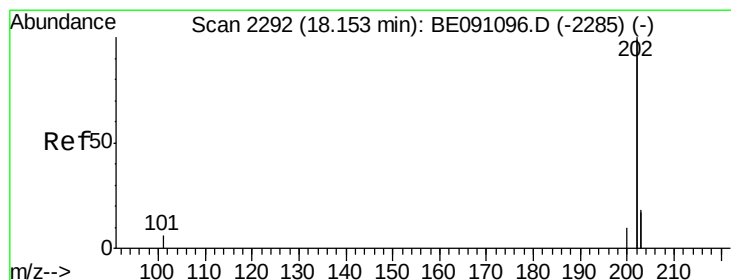
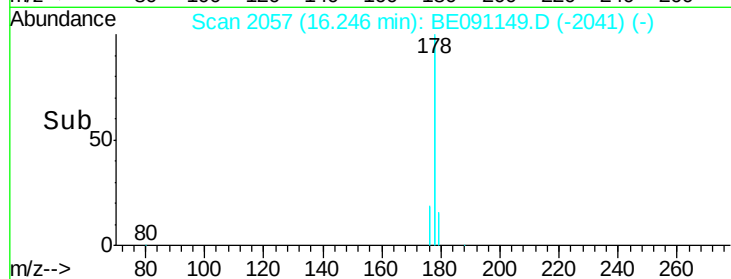
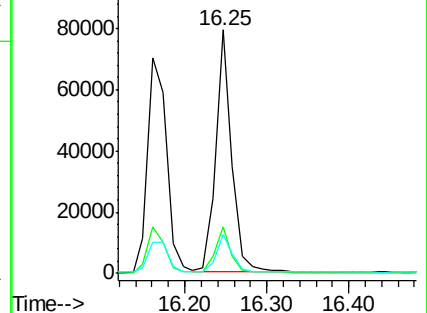
179 16.2 13.3 19.9



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



#17

Fluoranthene

Concen: 0.37 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

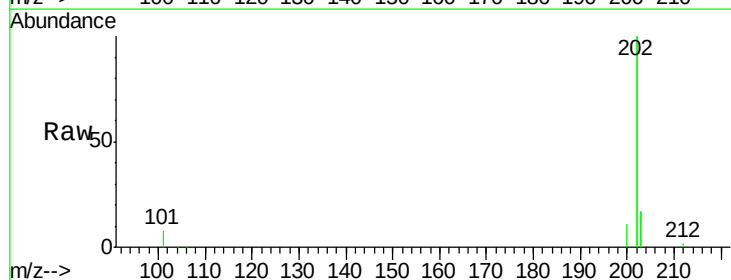
Tgt Ion:202 Resp: 124183

Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

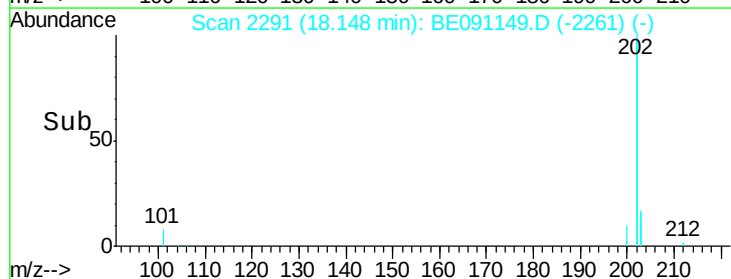
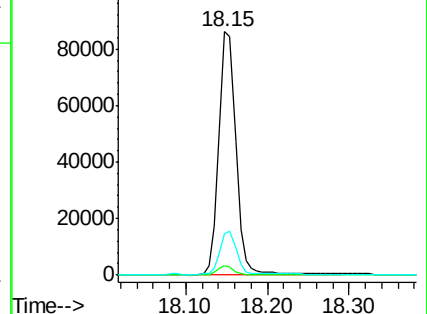
203 16.9 0.0 37.2

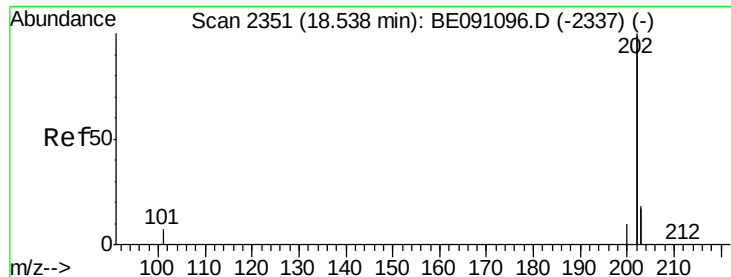


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.40 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

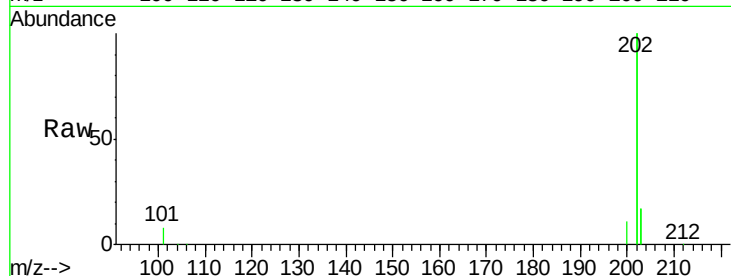
Tgt Ion:202 Resp: 123185

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 17.3 13.8 20.6



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

120000

100000

80000

60000

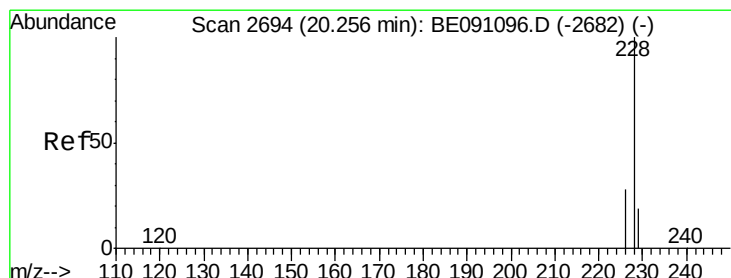
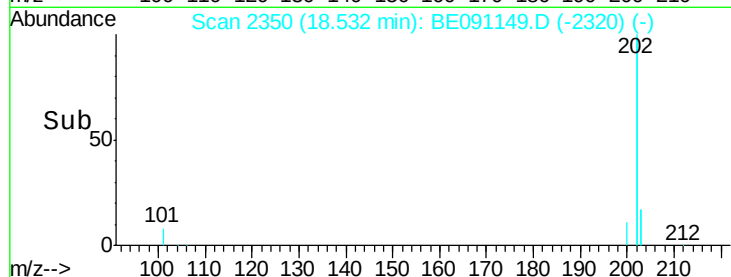
40000

20000

0

18.53

Time--> 18.40 18.50 18.60 18.70



#20

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 20.25 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

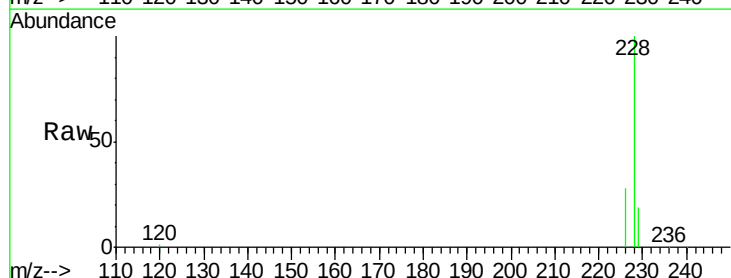
Tgt Ion:228 Resp: 29394

Ion Ratio Lower Upper

228 100

226 27.5 23.0 34.4

229 19.1 15.2 22.8



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

30000

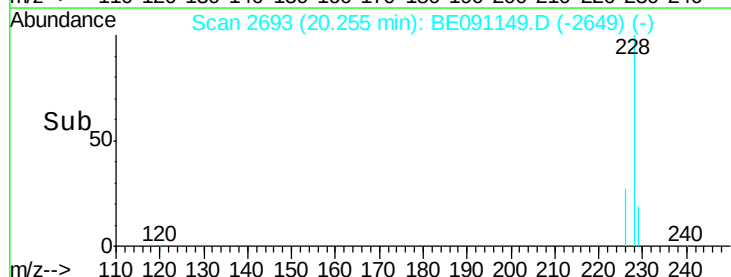
20000

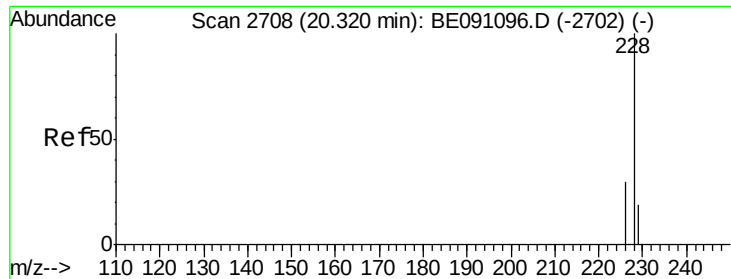
10000

0

20.25

Time--> 20.20 20.25 20.30





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

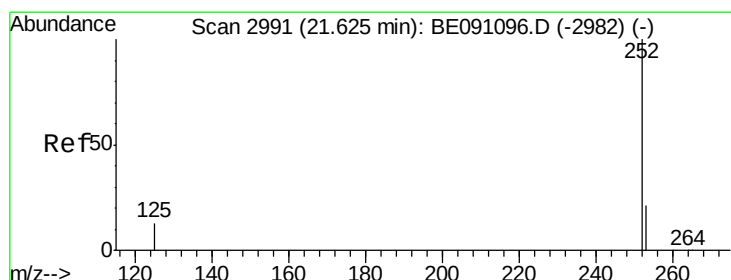
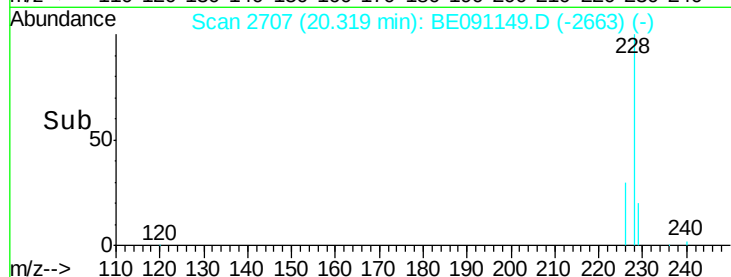
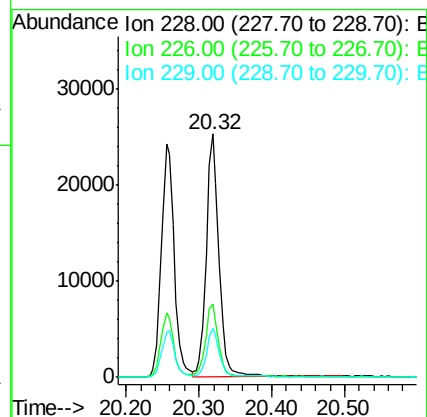
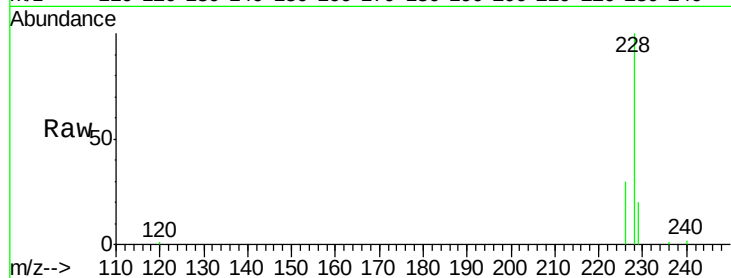
Tgt Ion:228 Resp: 30463

Ion Ratio Lower Upper

228 100

226 30.1 25.7 38.5

229 20.2 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

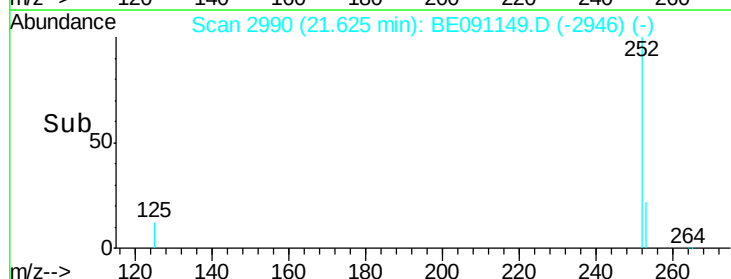
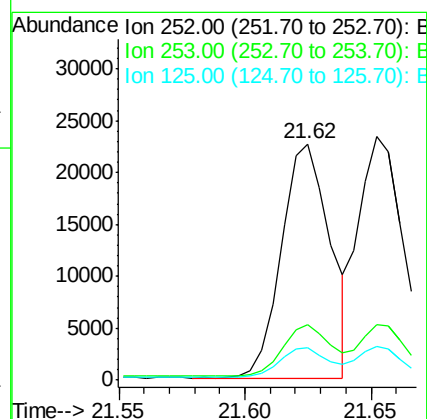
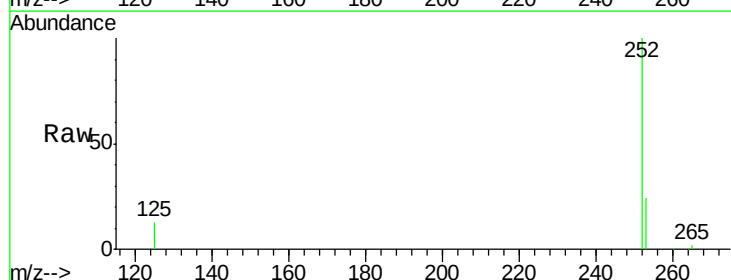
Tgt Ion:252 Resp: 30187

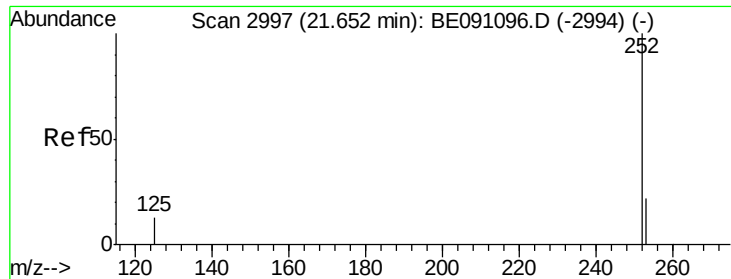
Ion Ratio Lower Upper

252 100

253 23.7 0.0 48.0

125 13.5 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.36 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. 0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

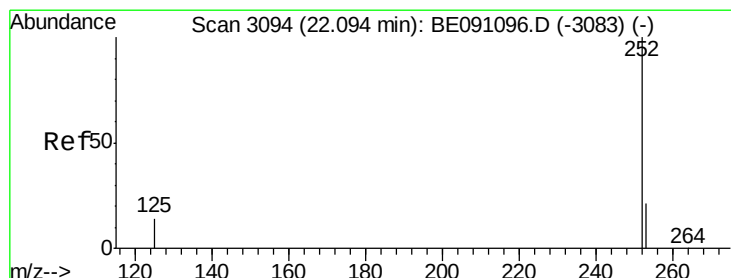
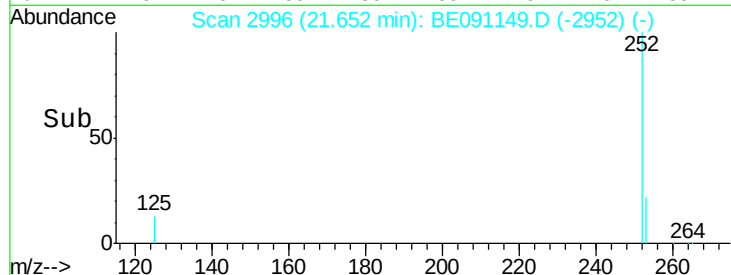
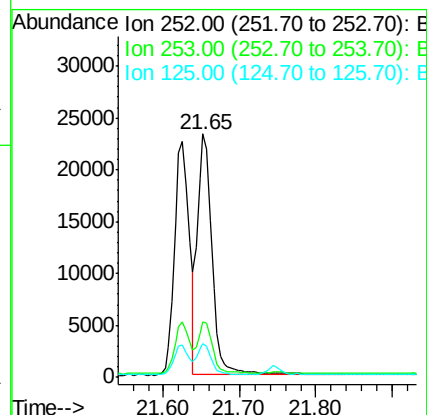
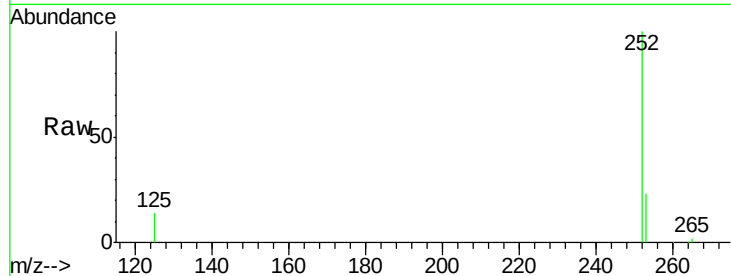
Tgt Ion:252 Resp: 30632

Ion Ratio Lower Upper

252 100

253 22.9 20.8 31.2

125 13.6 12.2 18.4



#25

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

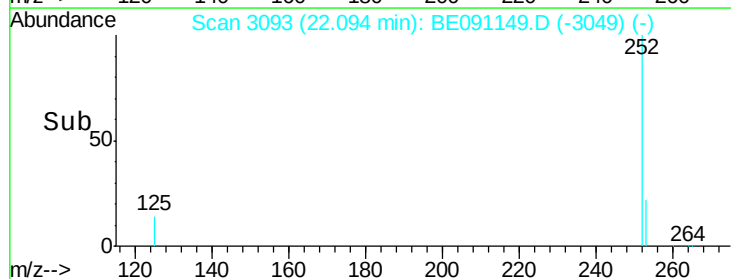
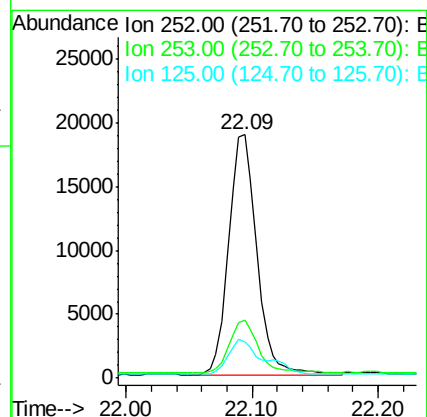
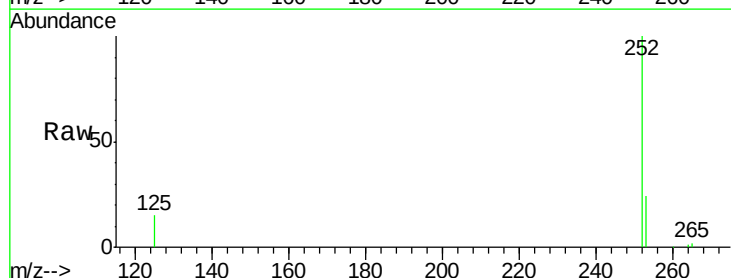
Tgt Ion:252 Resp: 29355

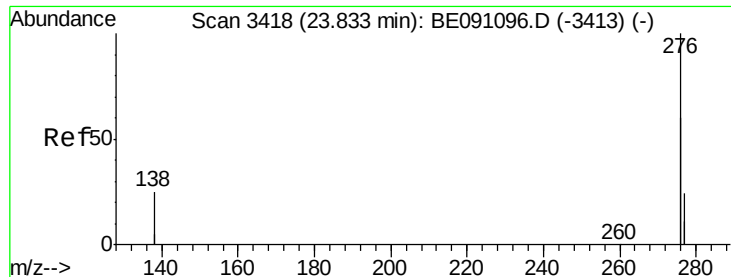
Ion Ratio Lower Upper

252 100

253 23.7 21.8 32.8

125 15.1 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.36 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

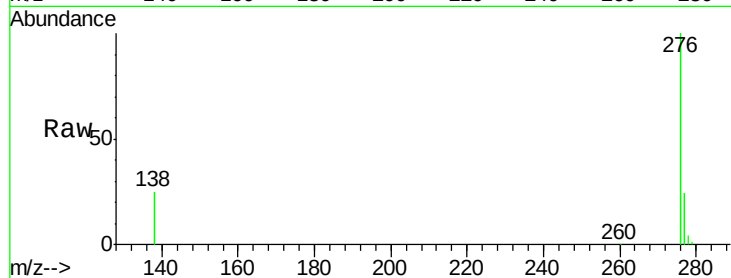
Tgt Ion:276 Resp: 117734

Ion Ratio Lower Upper

276 100

138 23.6 27.5 41.3#

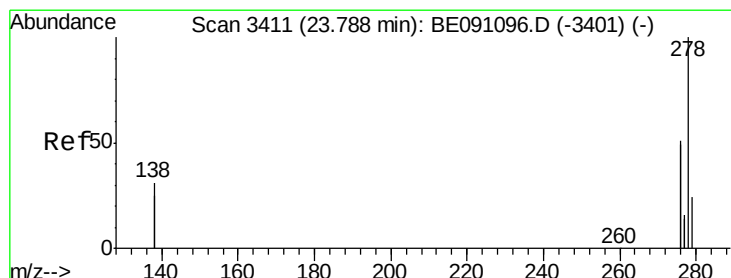
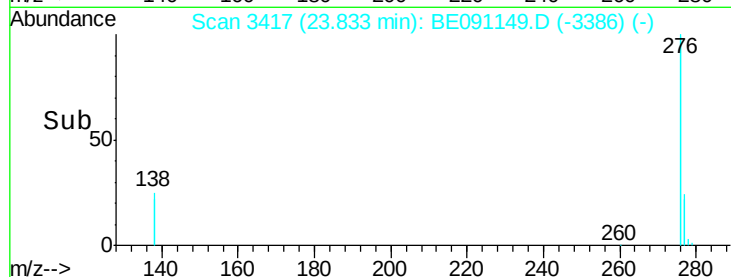
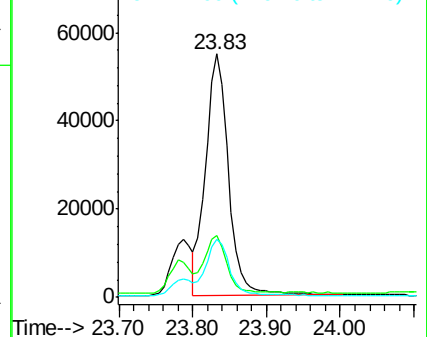
277 24.0 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.38 ng/ul

RT: 23.79 min Scan# 3410

Delta R.T. -0.00 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

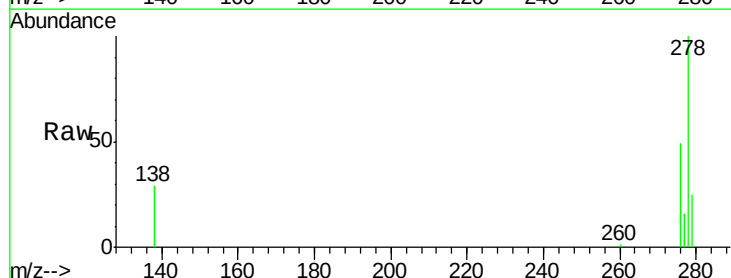
Tgt Ion:278 Resp: 29517

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

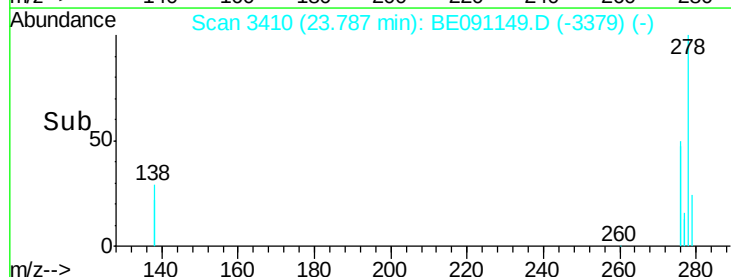
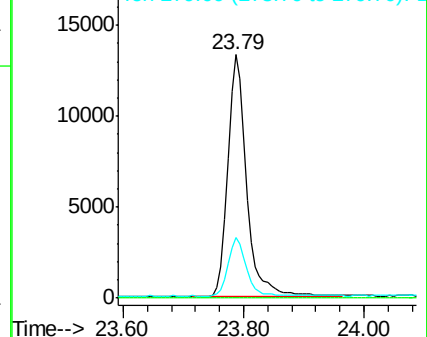
279 24.9 21.9 32.9

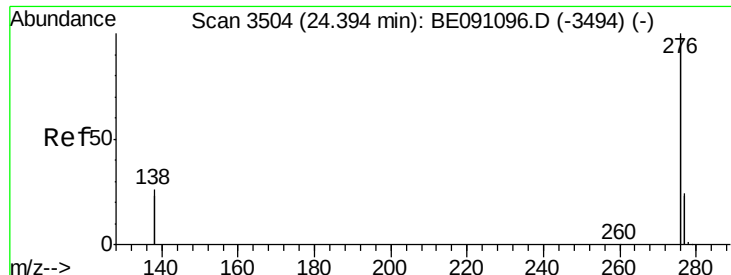


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.36 ng/ul

RT: 24.40 min Scan# 3504

Delta R.T. 0.01 min

Lab File: BE091149.D

Acq: 12 Nov 2015 17:39

Instrument :

BNA_E

ClientSampleId :

SSTD0.496

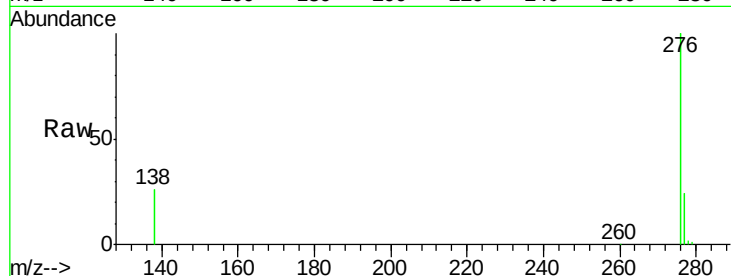
Tgt Ion: 276 Resp: 122339

Ion Ratio Lower Upper

276 100

277 24.2 21.3 31.9

138 26.3 25.5 38.3



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

