

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112115\
 Data File : BE091267.D
 Acq On : 21 Nov 2015 5:40
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.480

Quant Time: Nov 21 06:16:19 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 : Sat Nov 21 04:53:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2941	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	13446	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	6101	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	17493	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	19026	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	16156	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.96	96	4576	2.16	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.06	152	6843	0.37	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	17780	0.36	ng/ul	0.00

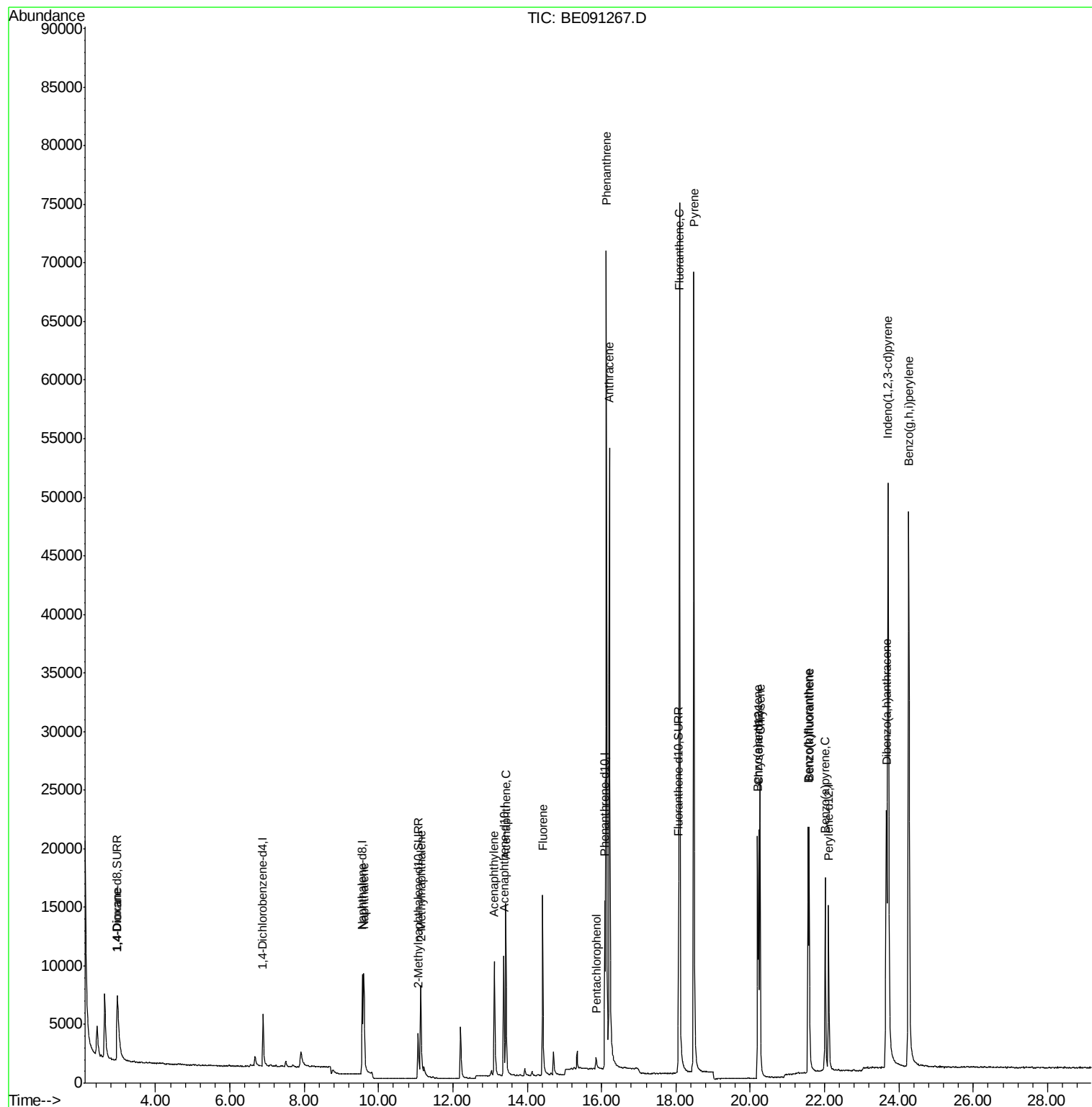
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.98	88	4906	2.05	ng/ul#	60
5) Naphthalene	9.61	128	13774	0.42	ng/ul	100
7) 2-Methylnaphthalene	11.13	142	7793	0.36	ng/ul	86
9) Acenaphthylene	13.12	152	12828	0.42	ng/ul	99
10) Acenaphthene	13.42	153	9153	0.44	ng/ul#	88
11) Fluorene	14.42	166	11533	0.43	ng/ul	93
13) Pentachlorophenol	15.86	266	1036	0.62	ng/ul	94
14) Phenanthrene	16.12	178	79330	0.39	ng/ul	98
15) Anthracene	16.21	178	72121	0.39	ng/ul	98
17) Fluoranthene	18.10	202	92948	0.39	ng/ul	89
19) Pyrene	18.49	202	87420	0.40	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	19388	0.40	ng/ul	100
21) Chrysene	20.26	228	23488	0.42	ng/ul	97
23) Benzo(b)fluoranthene	21.56	252	21540	0.43	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	22143	0.43	ng/ul	96
25) Benzo(a)pyrene	22.01	252	20230	0.44	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.71	276	78668	0.40	ng/ul#	92
27) Dibenzo(a,h)anthracene	23.66	278	19251	0.41	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	83644	0.41	ng/ul	95

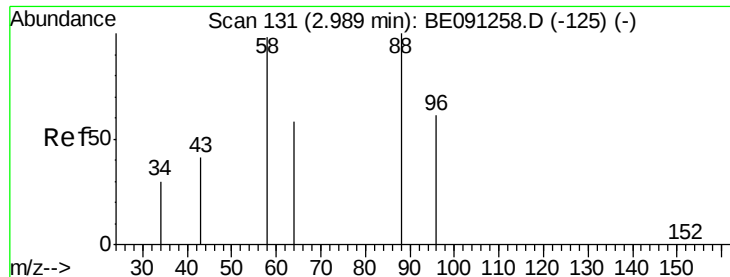
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112115\
Data File : BE091267.D
Acq On : 21 Nov 2015 5:40
Operator : UM/NP
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.480

Quant Time: Nov 21 06:16:19 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 : Sat Nov 21 04:53:50 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 2.05 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

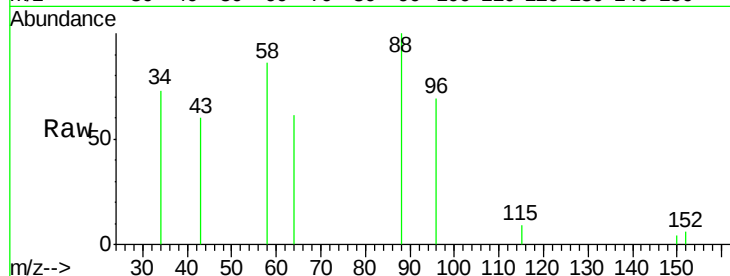
Tgt Ion: 88 Resp: 4906

Ion Ratio Lower Upper

88 100

58 107.3 55.4 83.2#

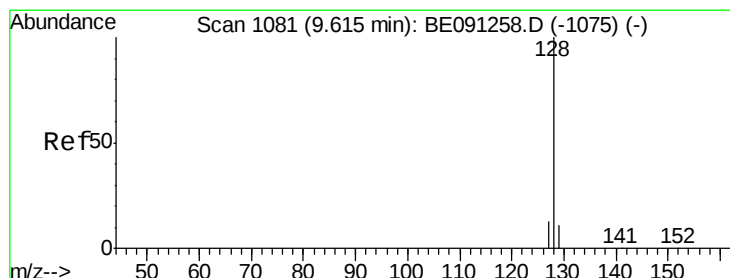
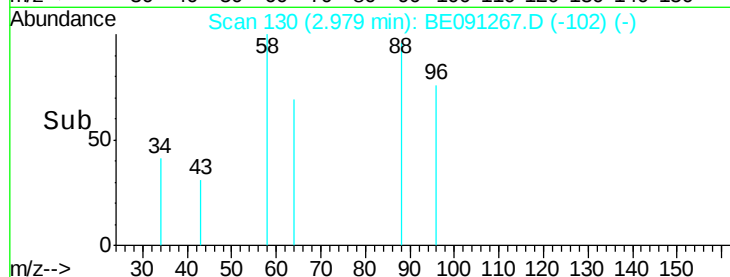
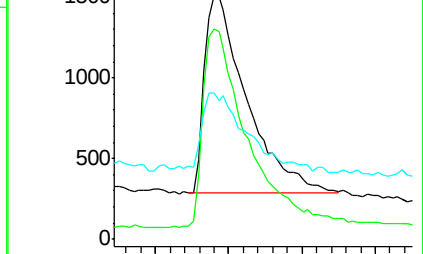
43 43.5 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091258.D (-125) (-)

Ion 58.00 (57.70 to 58.70): BE091258.D (-125) (-)

Ion 43.00 (42.70 to 43.70): BE091258.D (-125) (-)



#5

Naphthalene

Concen: 0.42 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

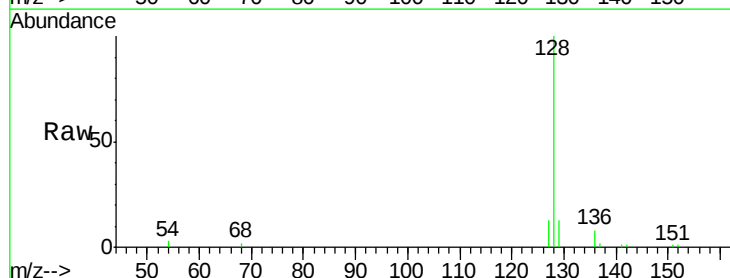
Tgt Ion: 128 Resp: 13774

Ion Ratio Lower Upper

128 100

129 12.6 9.8 14.8

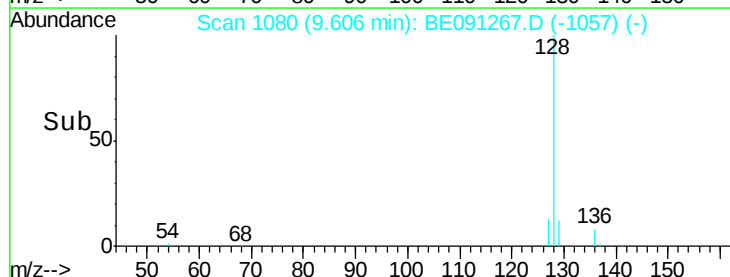
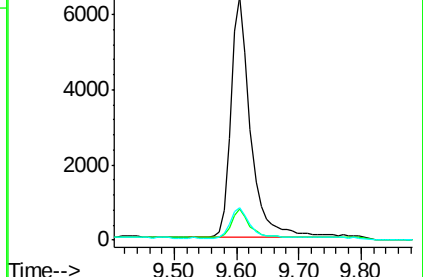
127 13.5 10.7 16.1

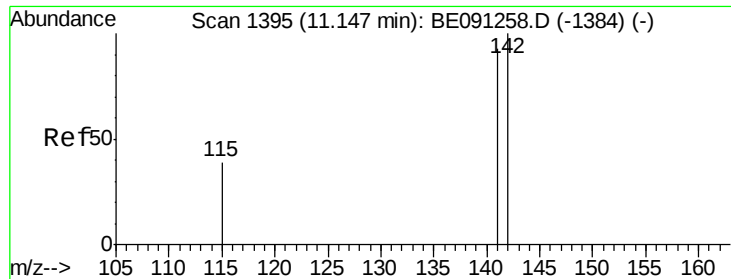


Abundance Ion 128.00 (127.70 to 128.70): BE091258.D (-1075) (-)

Ion 129.00 (128.70 to 129.70): BE091258.D (-1075) (-)

Ion 127.00 (126.70 to 127.70): BE091258.D (-1075) (-)





#7

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

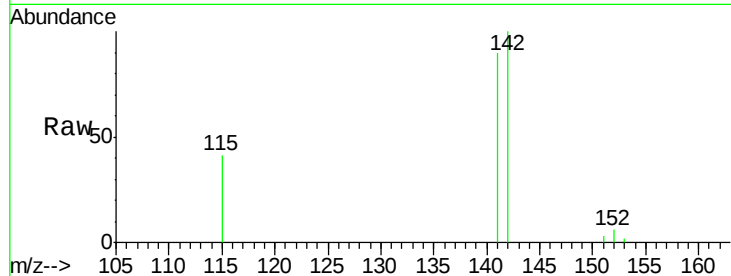
SSTD0.480

Tgt Ion:142 Resp: 7793

Ion Ratio Lower Upper

142 100

141 100.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

4000

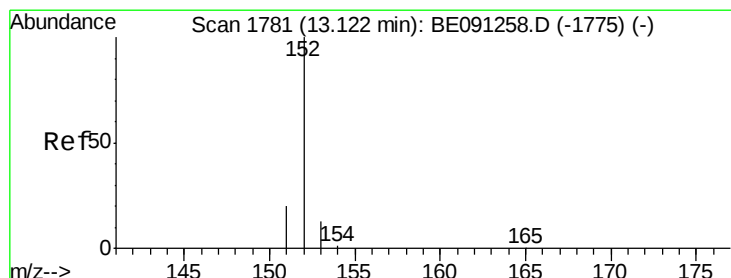
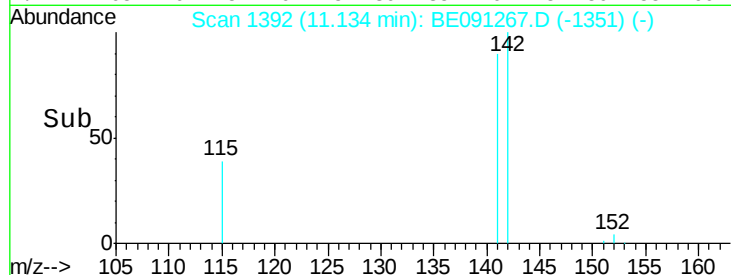
3000

2000

1000

0

Time--> 11.05 11.10 11.15 11.20



#9

Acenaphthylene

Concen: 0.42 ng/ul

RT: 13.12 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

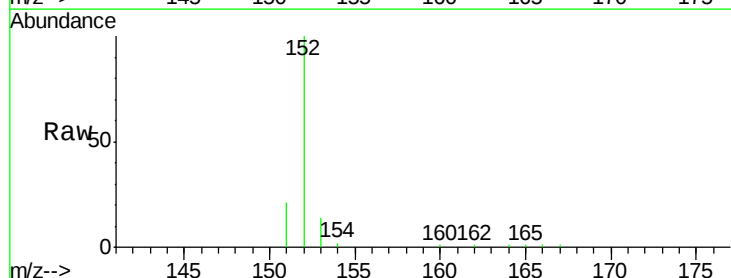
Tgt Ion:152 Resp: 12828

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

153 13.6 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

13.12

10000

8000

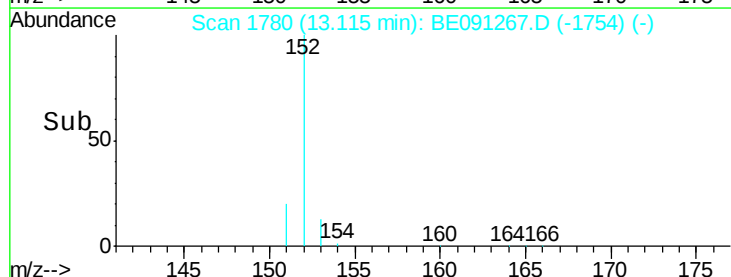
6000

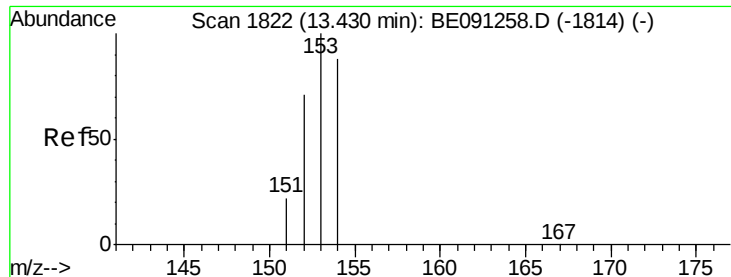
4000

2000

0

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.44 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

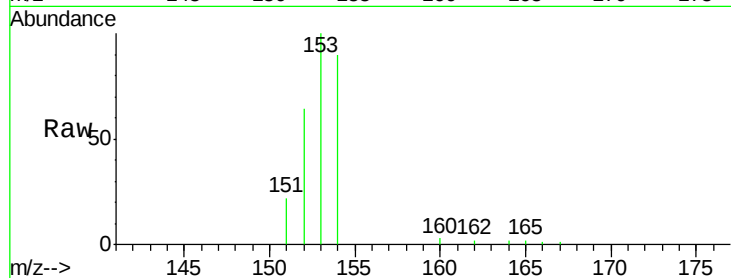
Tgt Ion:153 Resp: 9153

Ion Ratio Lower Upper

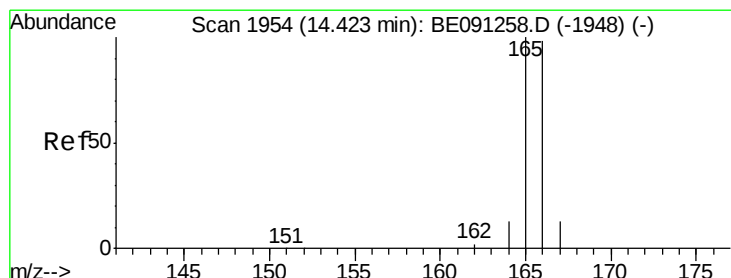
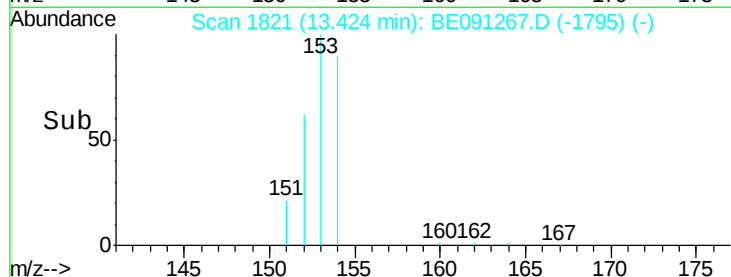
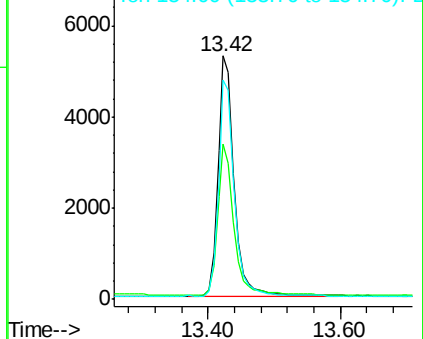
153 100

152 63.6 42.3 63.5#

154 90.2 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: 0.43 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

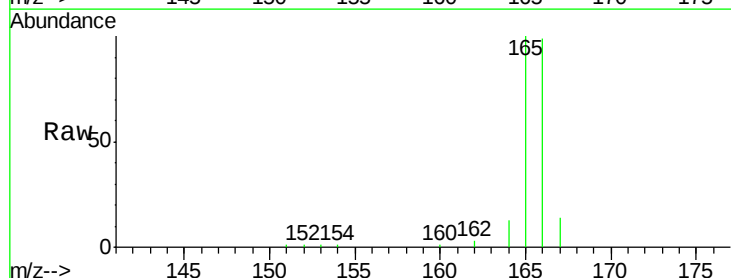
Tgt Ion:166 Resp: 11533

Ion Ratio Lower Upper

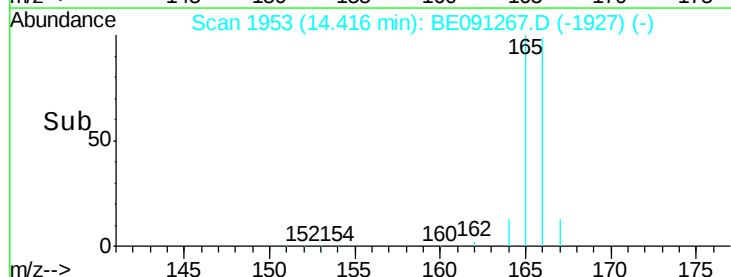
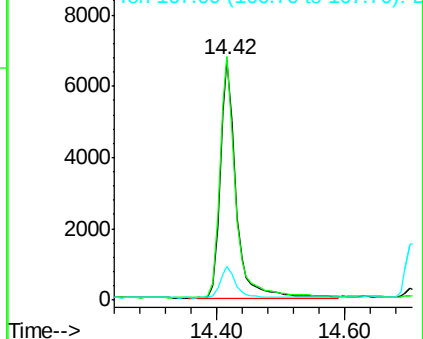
166 100

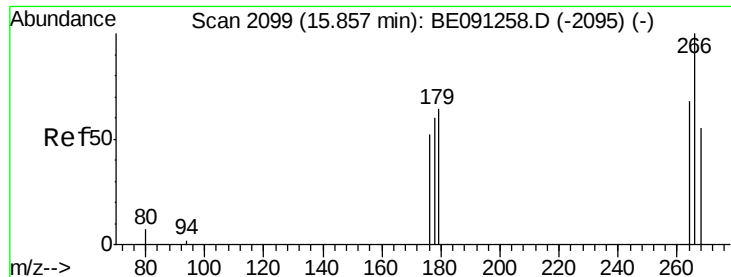
165 101.3 87.6 131.4

167 14.2 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

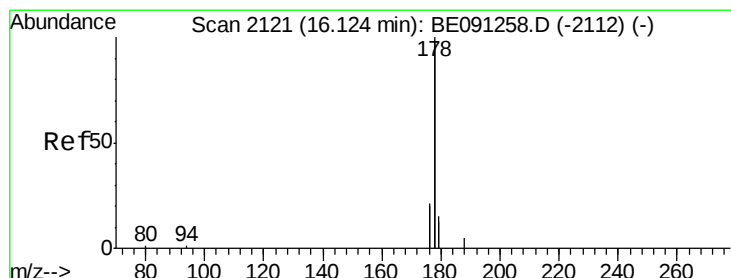
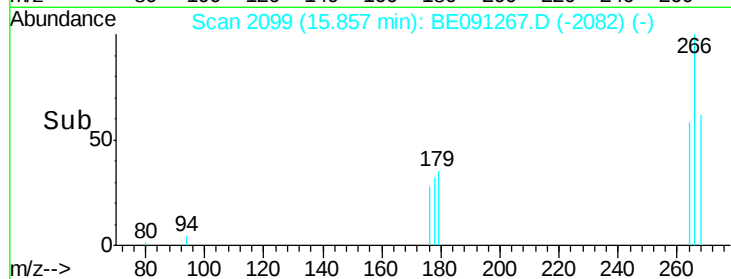
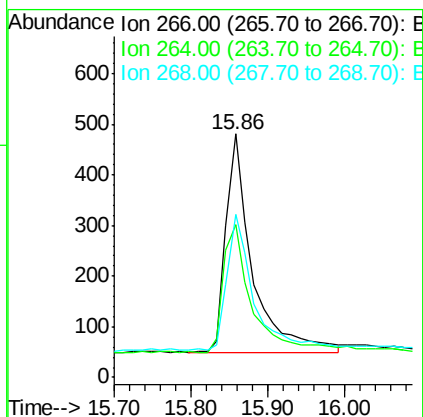
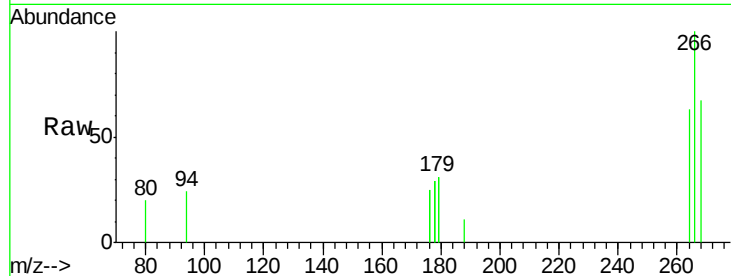




#13
 Pentachlorophenol
 Concen: 0.62 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091267.D
 Acq: 21 Nov 2015 5:40

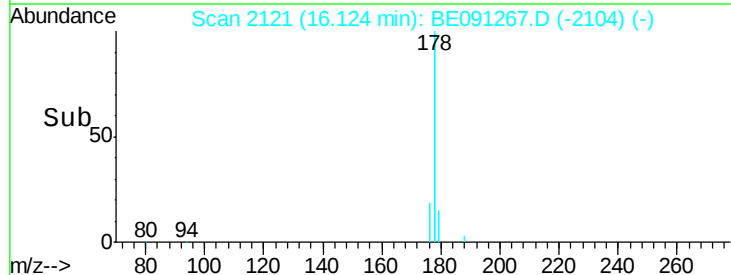
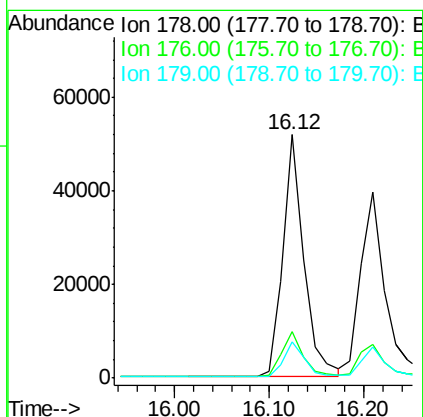
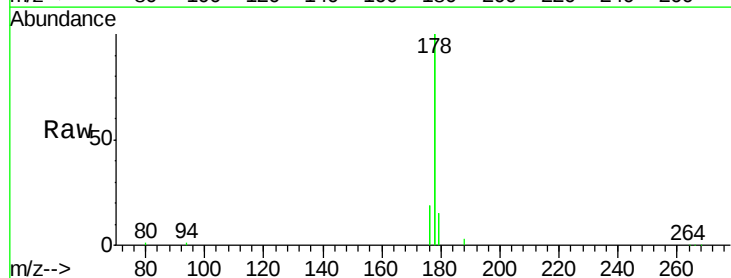
Instrument :
 BNA_E
 ClientSampleId :
 SST00.480

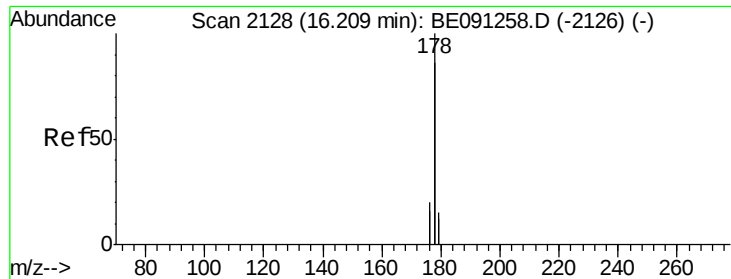
Tgt Ion: 266 Resp: 1036
 Ion Ratio Lower Upper
 266 100
 264 62.3 53.5 80.3
 268 63.3 54.2 81.2



#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091267.D
 Acq: 21 Nov 2015 5:40

Tgt Ion: 178 Resp: 79330
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.1 12.8 19.2





#15

Anthracene

Concen: 0.39 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

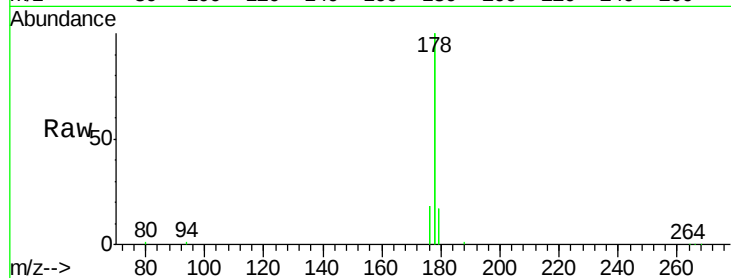
Tgt Ion:178 Resp: 72121

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

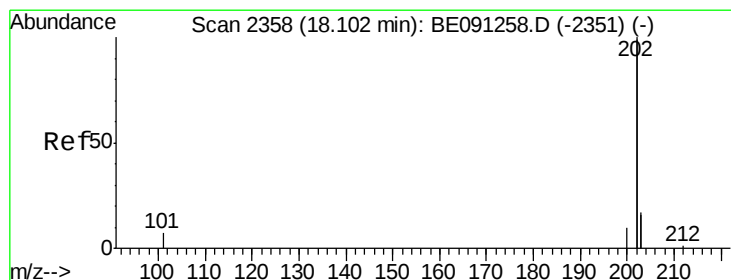
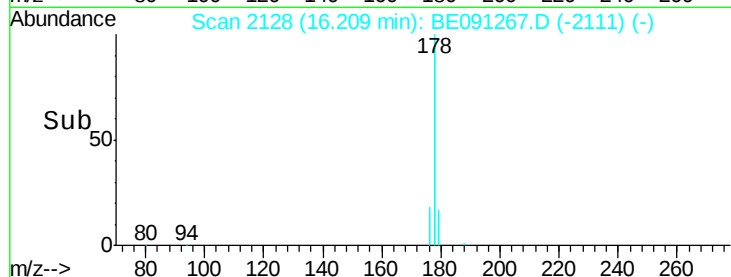
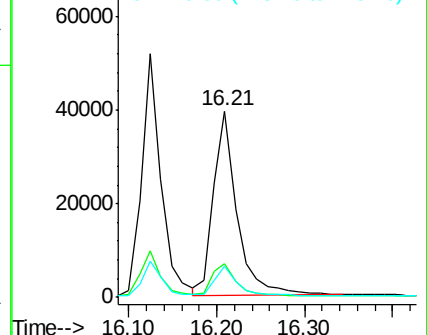
179 16.9 13.3 19.9



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: 0.39 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

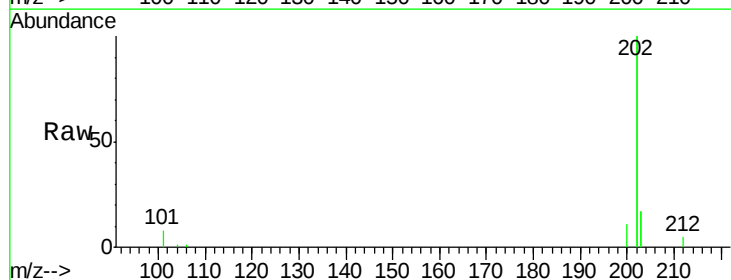
Tgt Ion:202 Resp: 92948

Ion Ratio Lower Upper

202 100

101 4.0 0.0 33.1

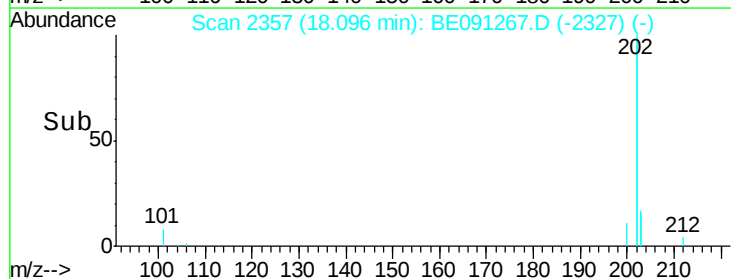
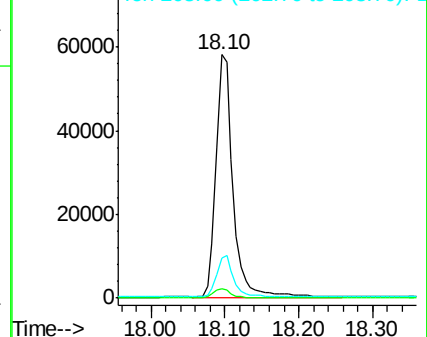
203 16.6 0.0 37.2

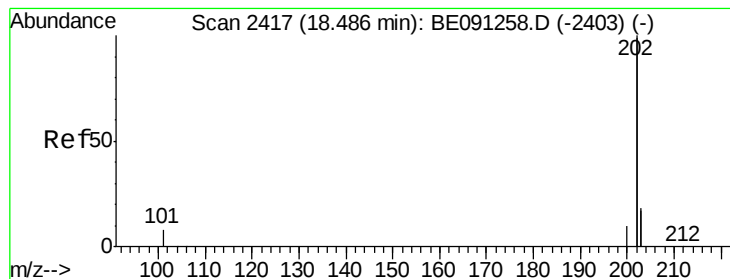


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.49 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

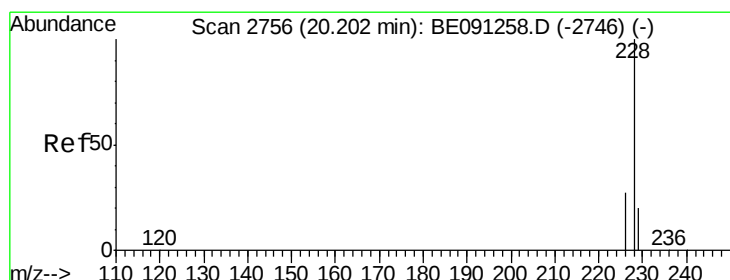
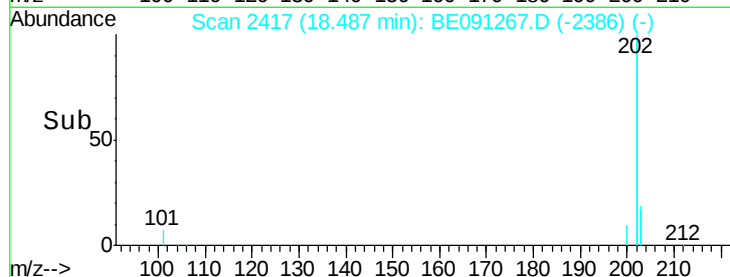
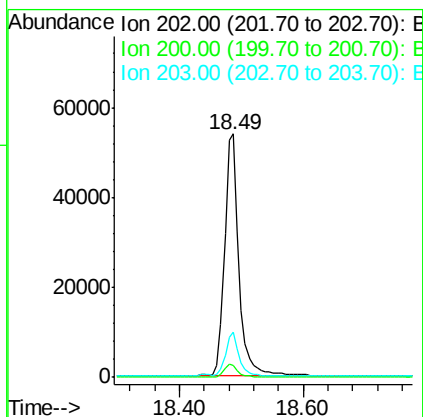
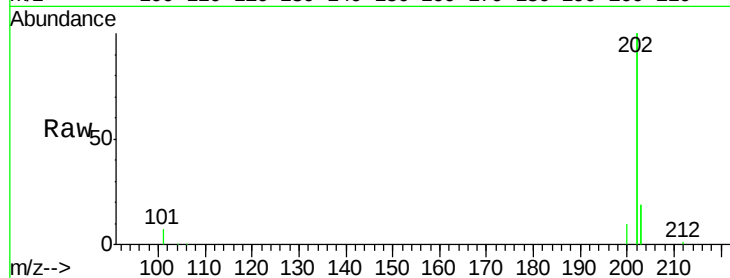
Tgt Ion:202 Resp: 87420

Ion Ratio Lower Upper

202 100

200 5.2 18.0 27.0#

203 18.5 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

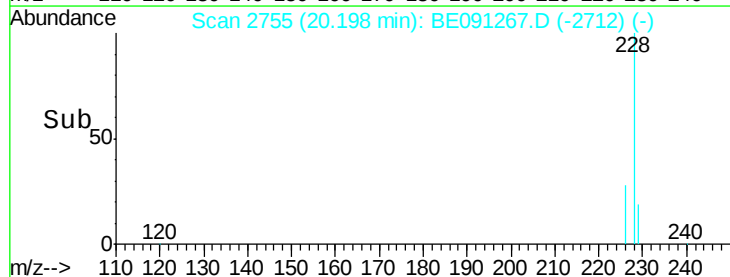
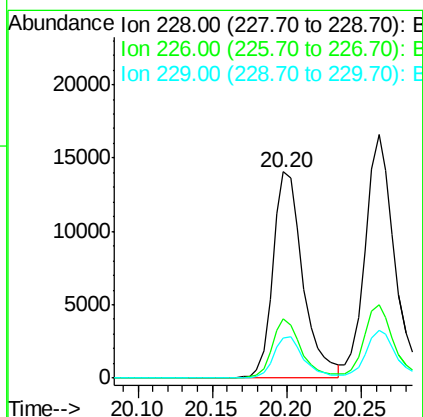
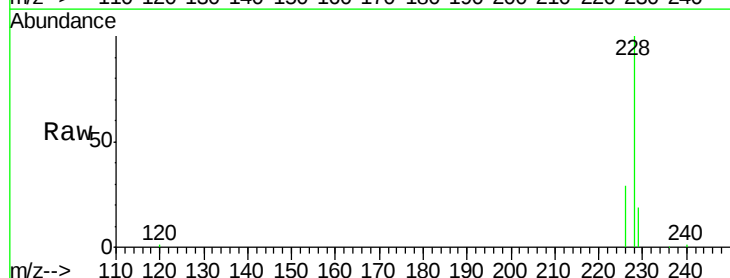
Tgt Ion:228 Resp: 19388

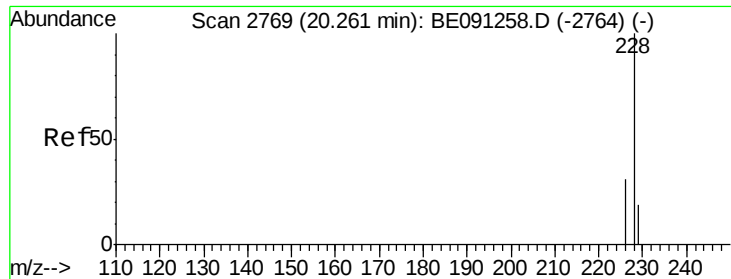
Ion Ratio Lower Upper

228 100

226 28.8 23.0 34.4

229 19.2 15.2 22.8





#21

Chrysene

Concen: 0.42 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

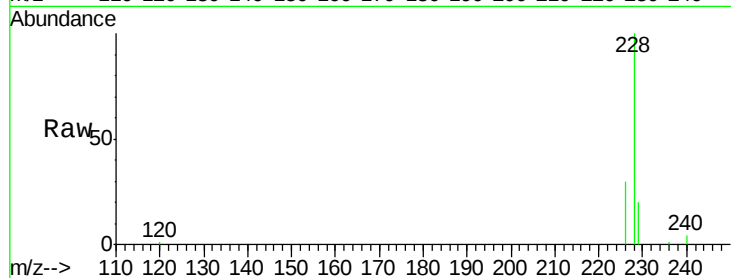
Tgt Ion:228 Resp: 23488

Ion Ratio Lower Upper

228 100

226 30.0 25.7 38.5

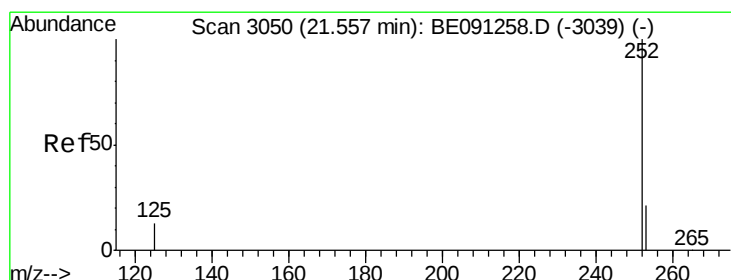
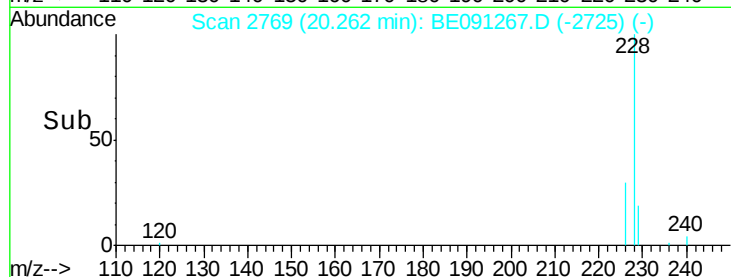
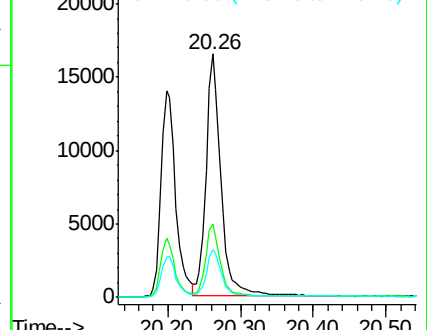
229 19.7 15.2 22.8



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



#23

Benzo(b)fluoranthene

Concen: 0.43 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

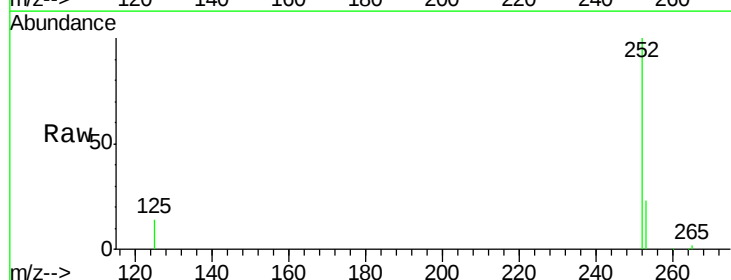
Tgt Ion:252 Resp: 21540

Ion Ratio Lower Upper

252 100

253 22.8 0.0 48.0

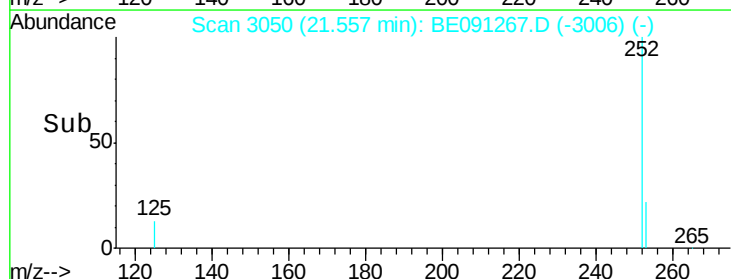
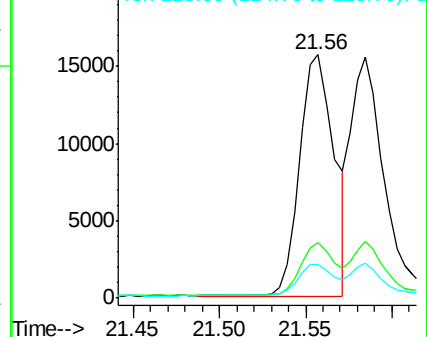
125 13.6 0.0 36.6

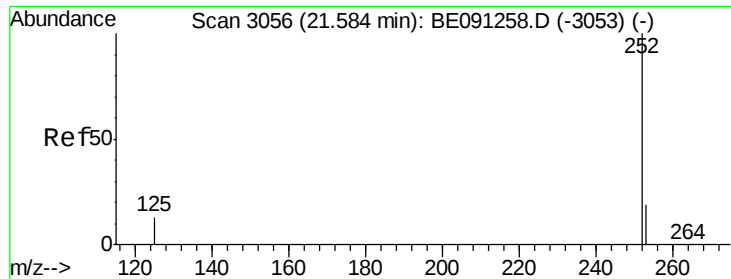


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

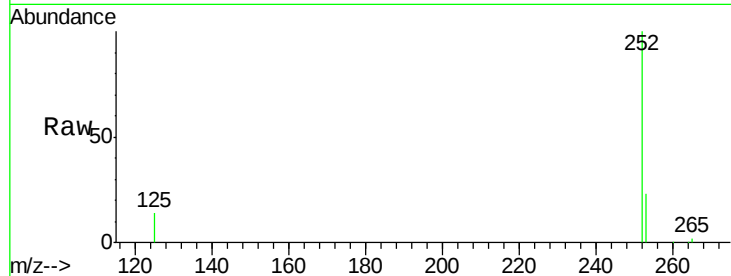
Tgt Ion:252 Resp: 22143

Ion Ratio Lower Upper

252 100

253 23.3 20.8 31.2

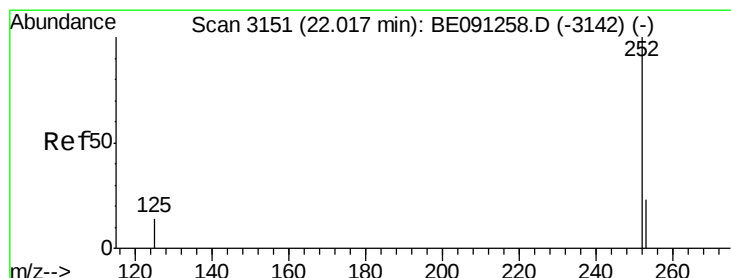
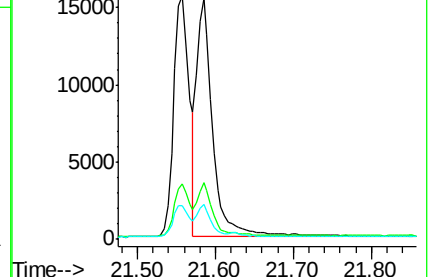
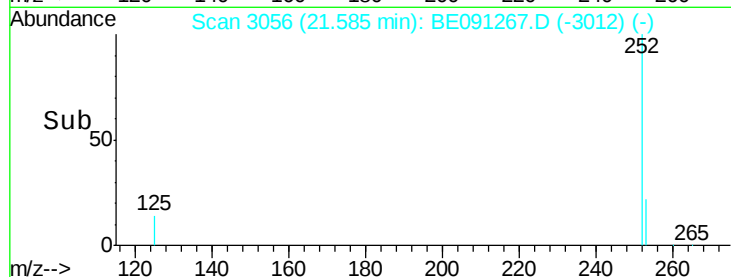
125 14.4 12.2 18.4



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



#25

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

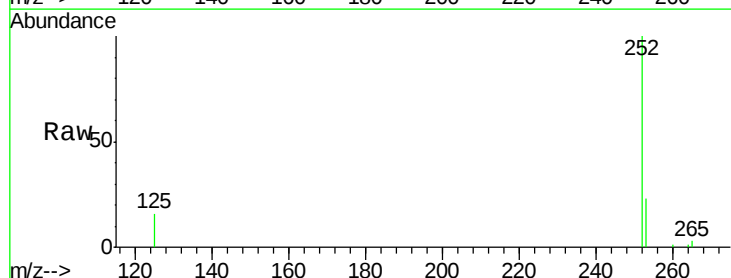
Tgt Ion:252 Resp: 20230

Ion Ratio Lower Upper

252 100

253 23.0 21.8 32.8

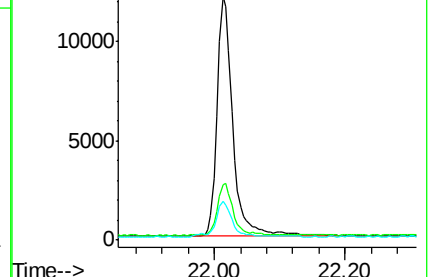
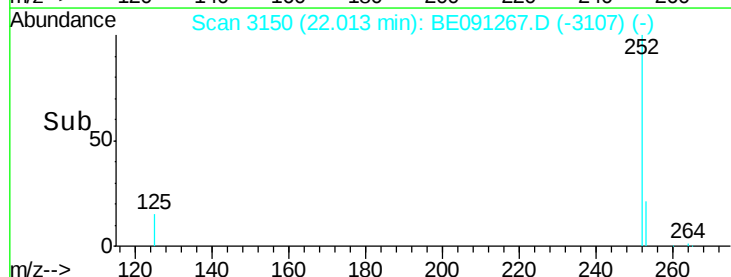
125 15.7 14.5 21.7

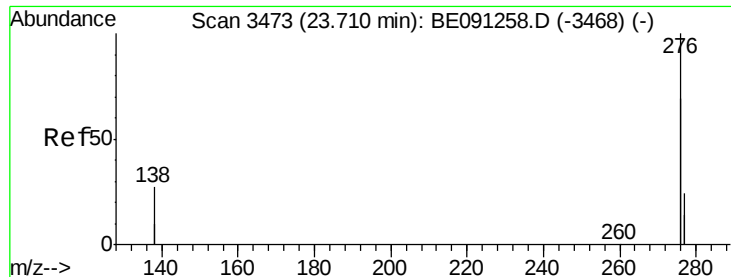


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480

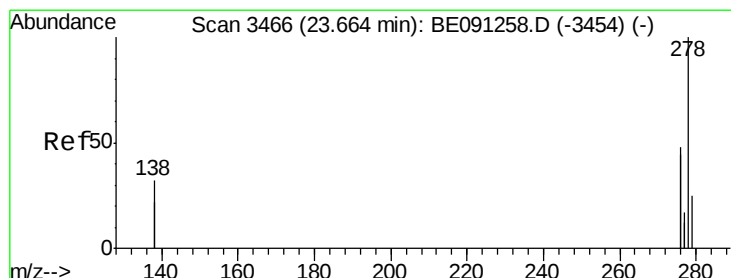
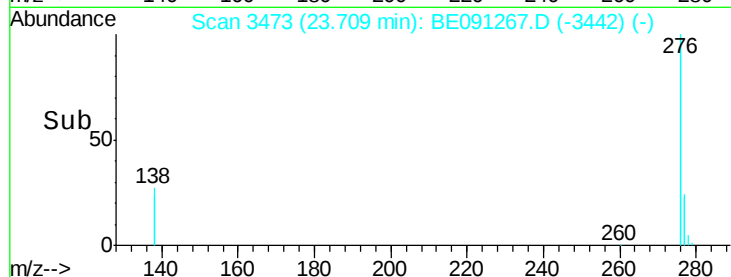
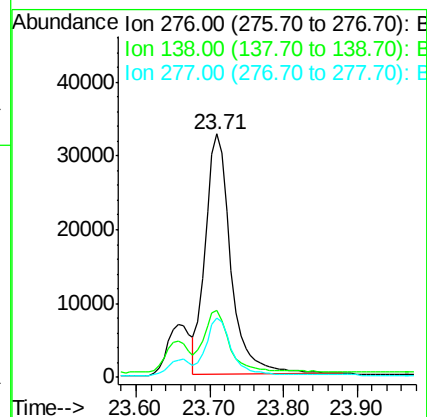
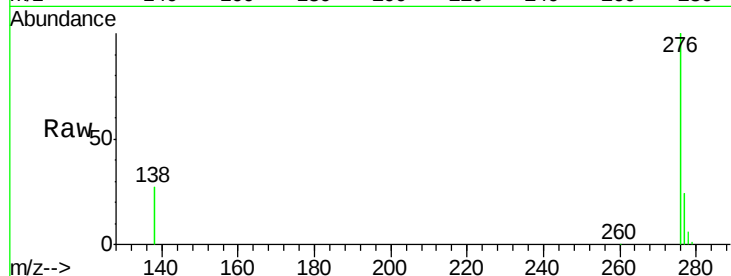
Tgt Ion:276 Resp: 78668

Ion Ratio Lower Upper

276 100

138 26.3 27.5 41.3#

277 24.0 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 23.66 min Scan# 3466

Delta R.T. -0.00 min

Lab File: BE091267.D

Acq: 21 Nov 2015 5:40

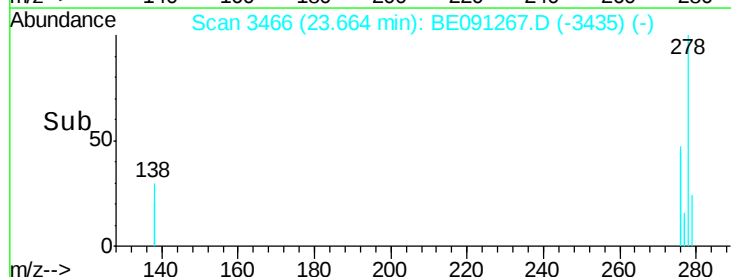
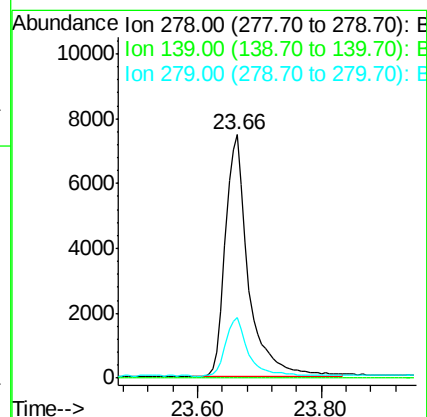
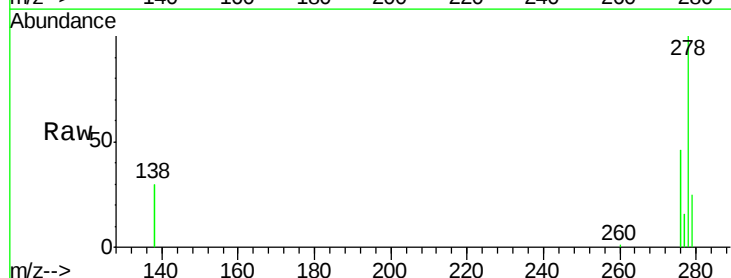
Tgt Ion:278 Resp: 19251

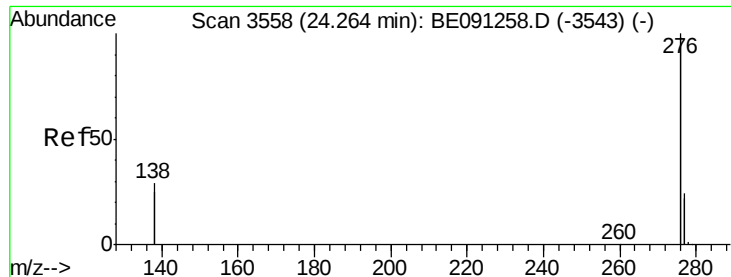
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 24.9 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. -0.00 min

Lab File: BE091267.D

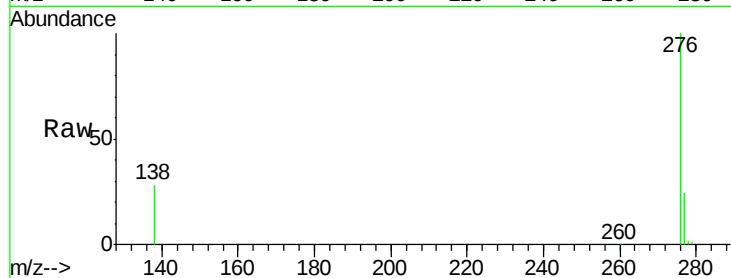
Acq: 21 Nov 2015 5:40

Instrument :

BNA_E

ClientSampleId :

SSTD0.480



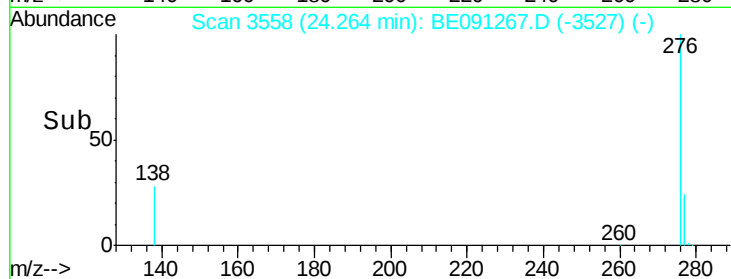
Tgt Ion: 276 Resp: 83644

Ion Ratio Lower Upper

276 100

277 24.4 21.3 31.9

138 28.4 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

