

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091115.D
 Acq On : 11 Nov 2015 17:17
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.493

Quant Time: Nov 13 15:20:02 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	3133	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17223	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	8685	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	22276	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	22558	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	19947	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.95	96	3864	1.71	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.08	152	8903	0.38	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	21426	0.34	ng/ul	0.00

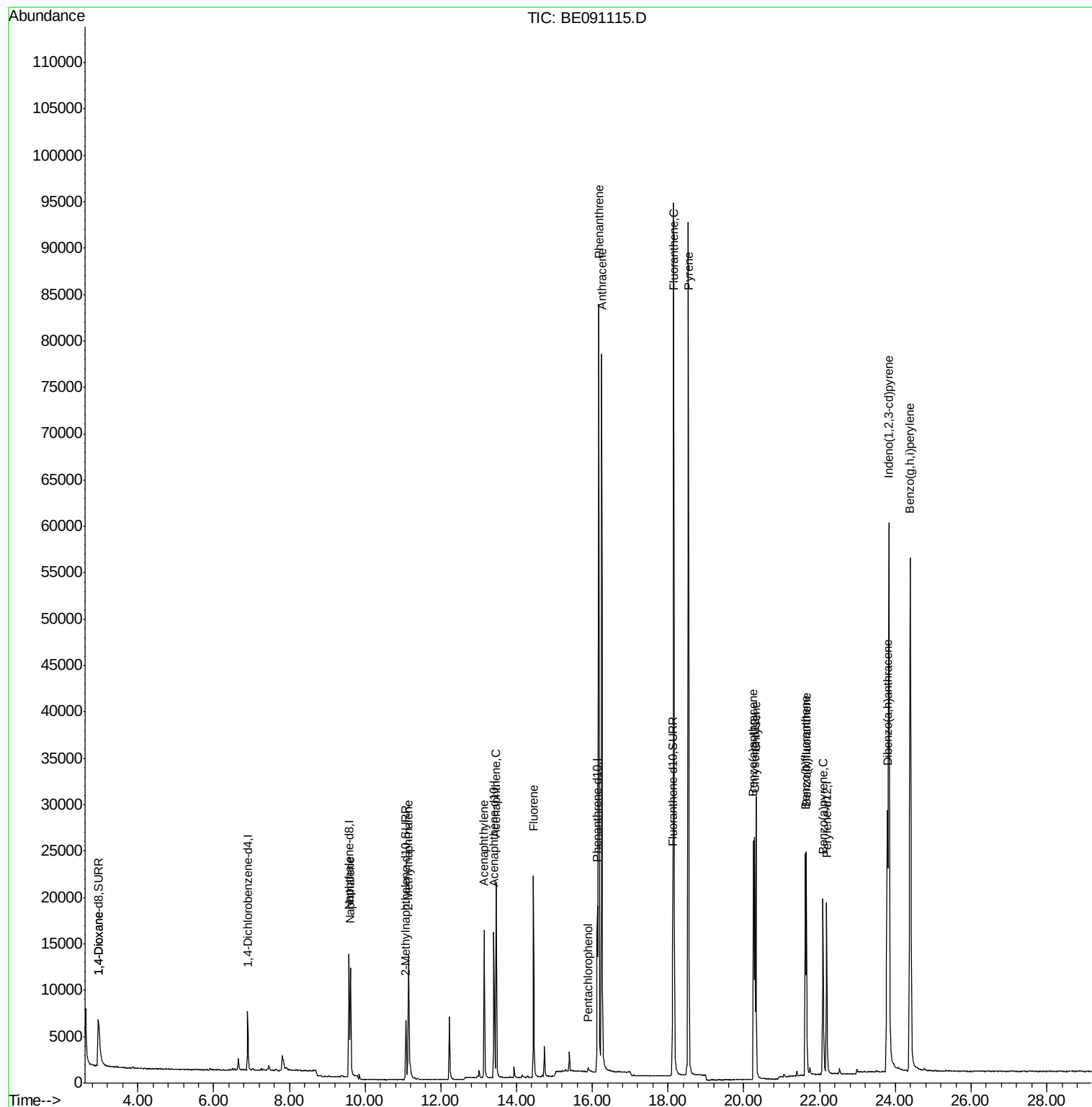
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.96	88	4340	1.70	ng/ul#	64
5) Naphthalene	9.61	128	15887	0.37	ng/ul	98
7) 2-Methylnaphthalene	11.15	142	13380	0.48	ng/ul	85
9) Acenaphthylene	13.15	152	17113	0.39	ng/ul	99
10) Acenaphthene	13.46	153	11895	0.40	ng/ul	90
11) Fluorene	14.45	166	14467	0.38	ng/ul	94
13) Pentachlorophenol	15.89	266	535	0.25	ng/ul	98
14) Phenanthrene	16.17	178	97279	0.38	ng/ul	96
15) Anthracene	16.25	178	88193	0.38	ng/ul	98
17) Fluoranthene	18.15	202	105674	0.35	ng/ul	89
19) Pyrene	18.53	202	96838	0.38	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	21442	0.37	ng/ul	98
21) Chrysene	20.32	228	25572	0.38	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	24005	0.39	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	23763	0.37	ng/ul	94
25) Benzo(a)pyrene	22.09	252	22044	0.38	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	23.83	276	109501	0.45	ng/ul#	82
27) Dibenzo(a,h)anthracene	23.79	278	21662	0.38	ng/ul#	71
28) Benzo(g,h,i)perylene	24.39	276	95237	0.38	ng/ul	93

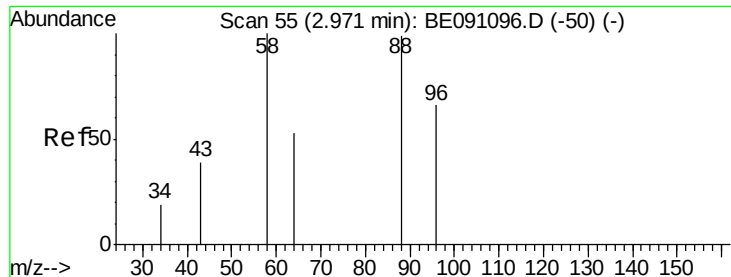
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
Data File : BE091115.D
Acq On : 11 Nov 2015 17:17
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.493

Quant Time: Nov 13 15:20:02 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





#3

1,4-Dioxane

Concen: 1.70 ng/ul

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

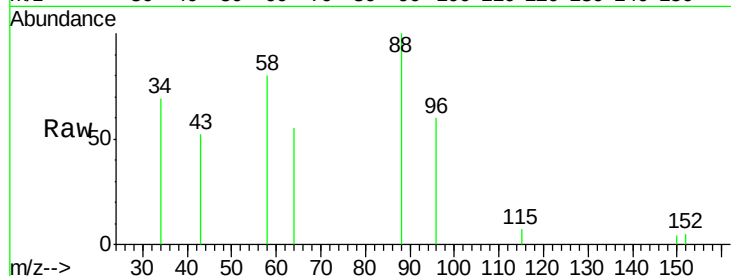
Tgt Ion: 88 Resp: 4340

Ion Ratio Lower Upper

88 100

58 99.1 55.4 83.2#

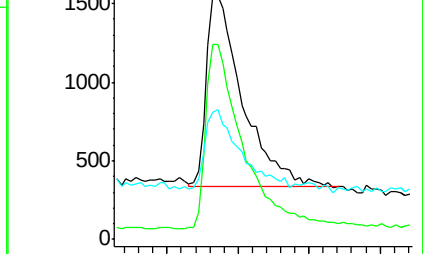
43 48.6 24.2 36.2#



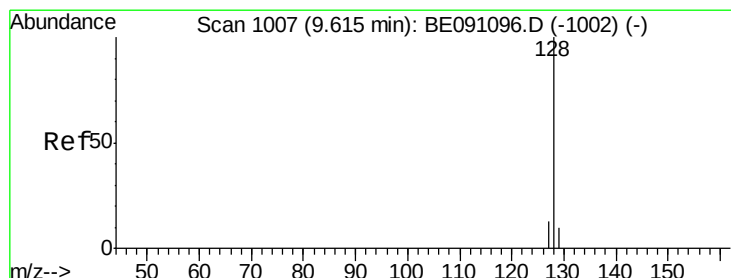
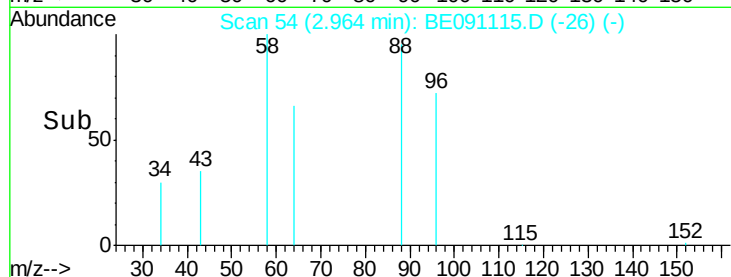
Abundance Ion 88.00 (87.70 to 88.70): BE091115.D (-26) (-)

Ion 58.00 (57.70 to 58.70): BE091115.D (-26) (-)

Ion 43.00 (42.70 to 43.70): BE091115.D (-26) (-)



Time-->



#5

Naphthalene

Concen: 0.37 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

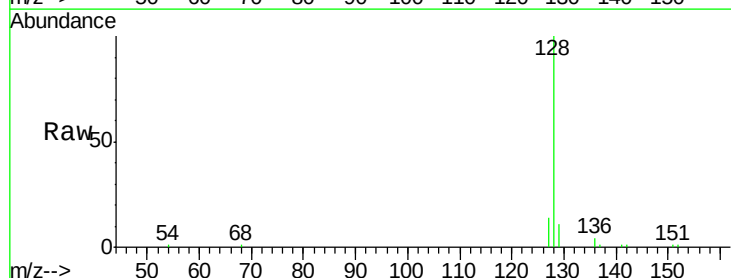
Tgt Ion: 128 Resp: 15887

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.8

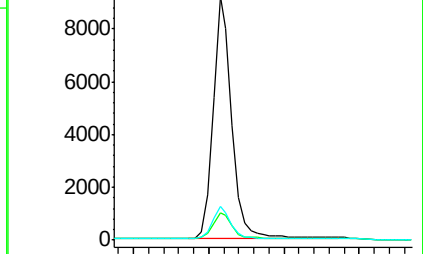
127 13.6 10.7 16.1



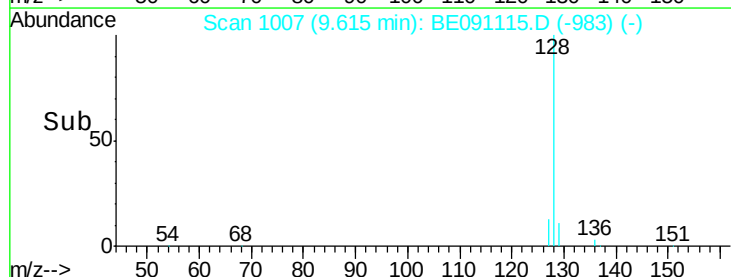
Abundance Ion 128.00 (127.70 to 128.70): BE091115.D (-983) (-)

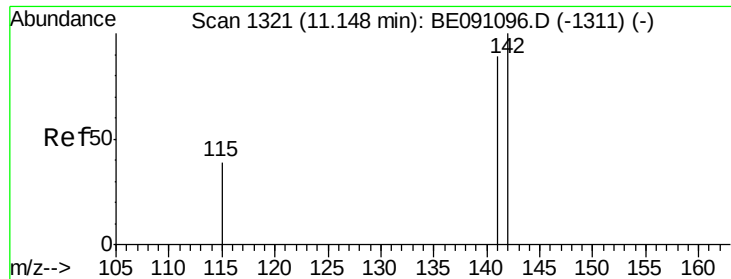
Ion 129.00 (128.70 to 129.70): BE091115.D (-983) (-)

Ion 127.00 (126.70 to 127.70): BE091115.D (-983) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.48 ng/ul

RT: 11.15 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

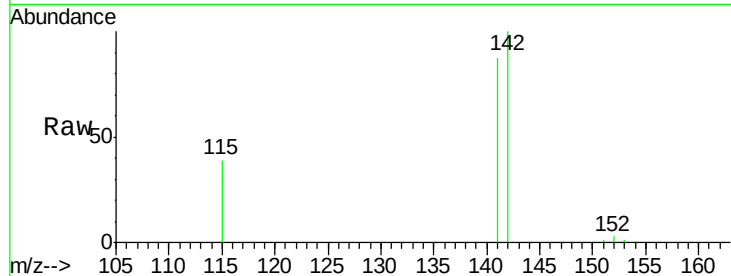
SSTD0.493

Tgt Ion:142 Resp: 13380

Ion Ratio Lower Upper

142 100

141 74.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

6000

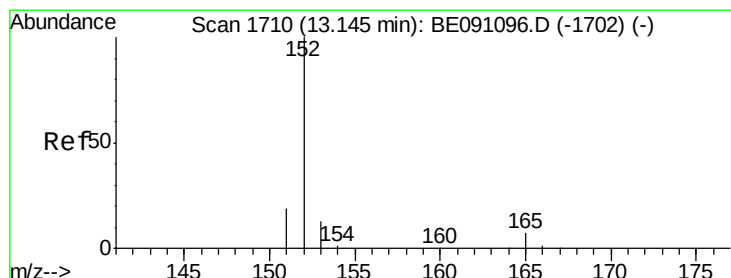
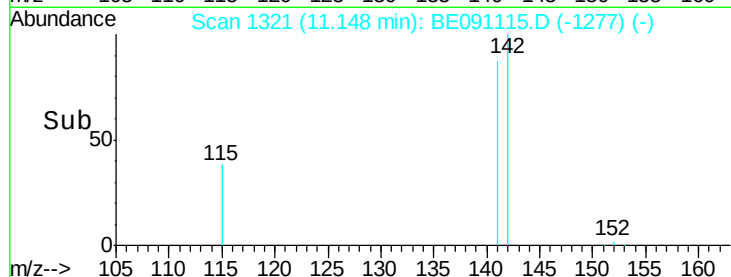
4000

2000

0

11.15

Time--> 11.00 11.20



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

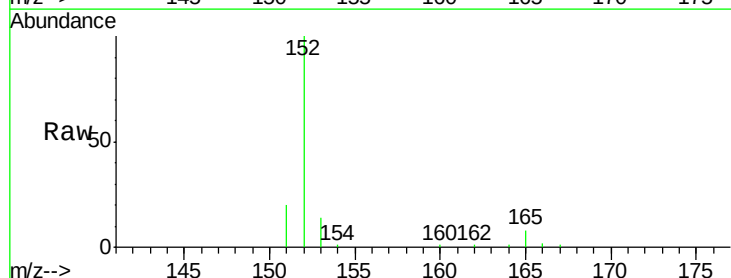
Tgt Ion:152 Resp: 17113

Ion Ratio Lower Upper

152 100

151 20.0 16.8 25.2

153 13.8 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

15000

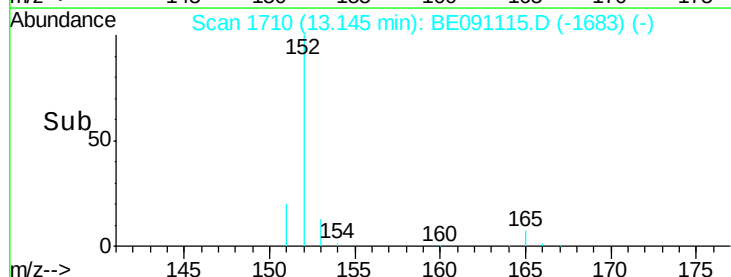
10000

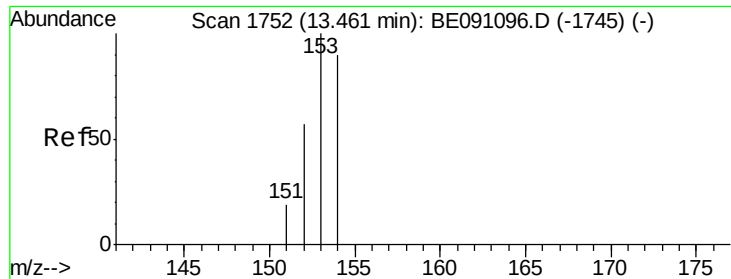
5000

0

13.15

Time--> 13.00 13.10 13.20 13.30





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

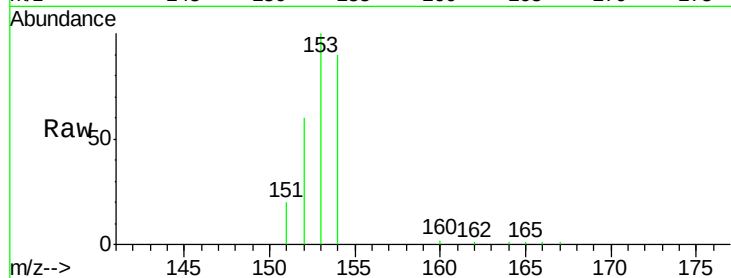
Tgt Ion:153 Resp: 11895

Ion Ratio Lower Upper

153 100

152 59.7 42.3 63.5

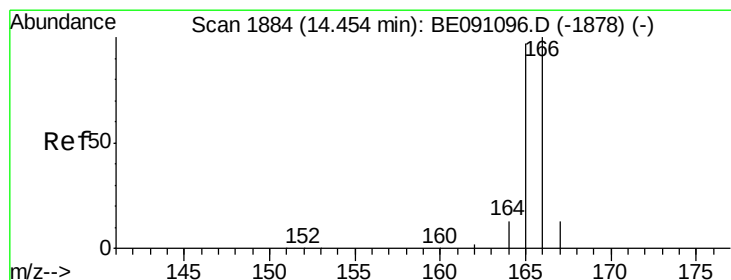
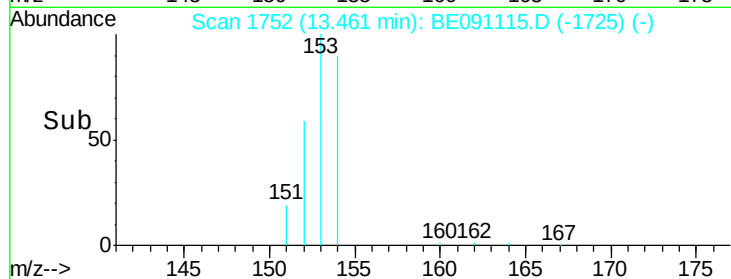
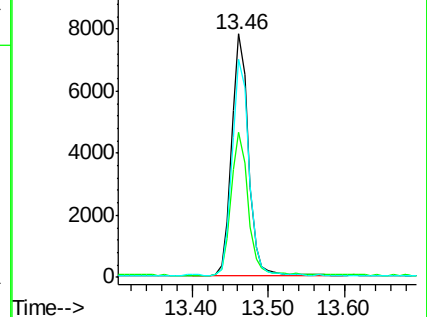
154 89.5 64.7 97.1



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: 0.38 ng/ul

RT: 14.45 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

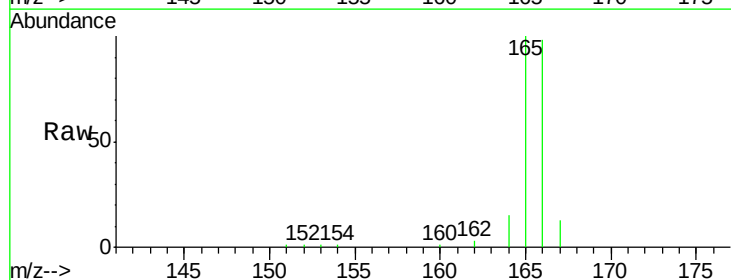
Tgt Ion:166 Resp: 14467

Ion Ratio Lower Upper

166 100

165 102.5 87.6 131.4

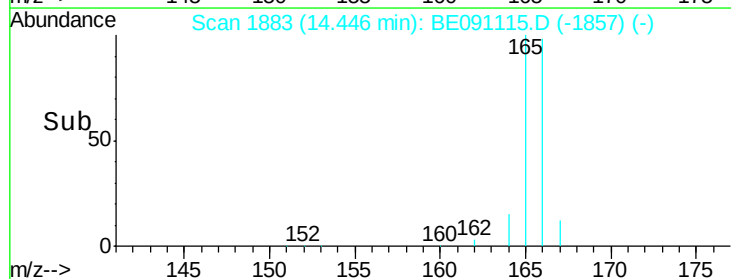
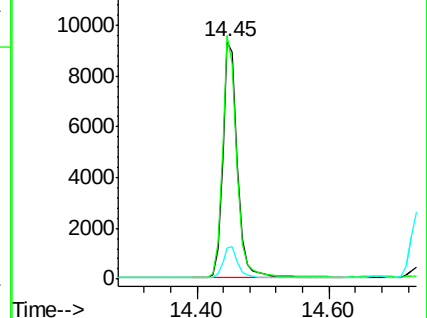
167 13.3 11.1 16.7

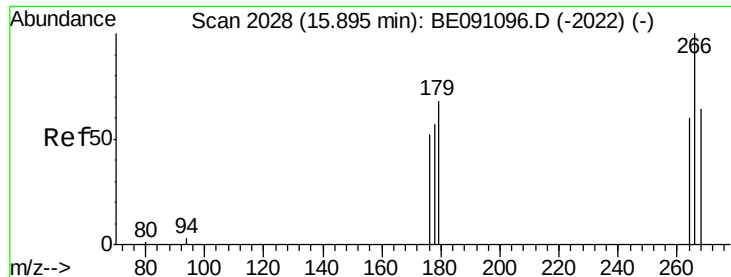


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

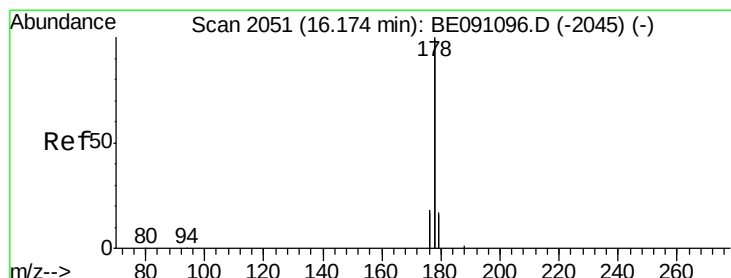
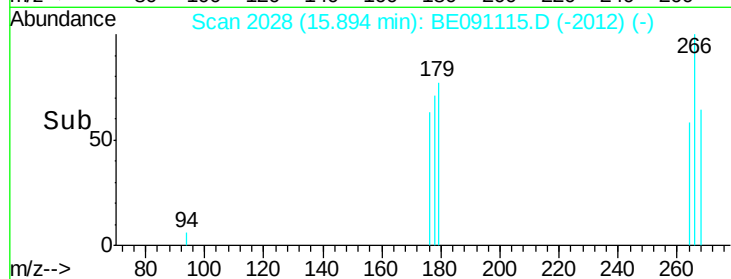
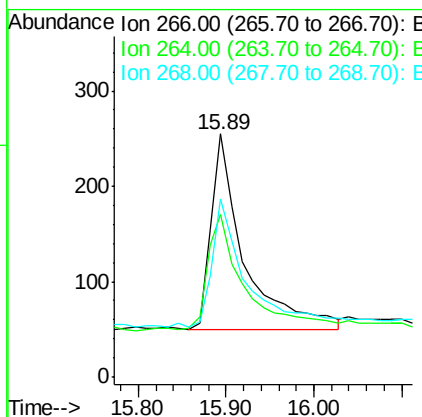
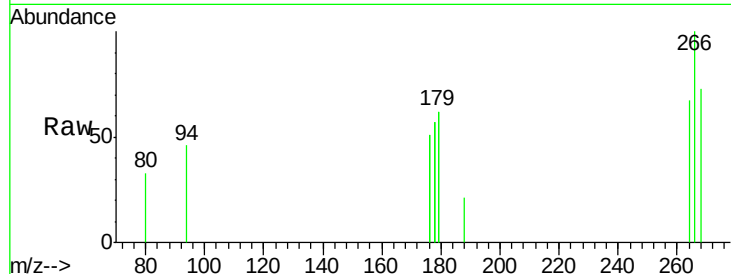




#13
 Pentachlorophenol
 Concen: 0.25 ng/ul
 RT: 15.89 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BE091115.D
 Acq: 11 Nov 2015 17:17

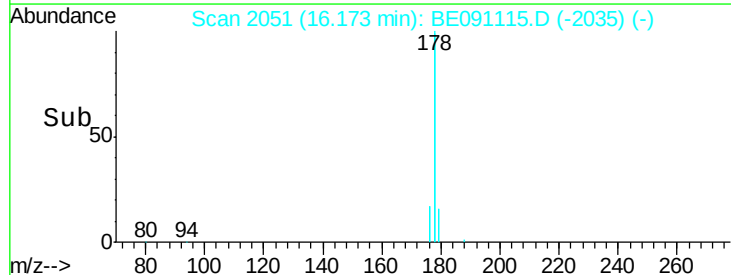
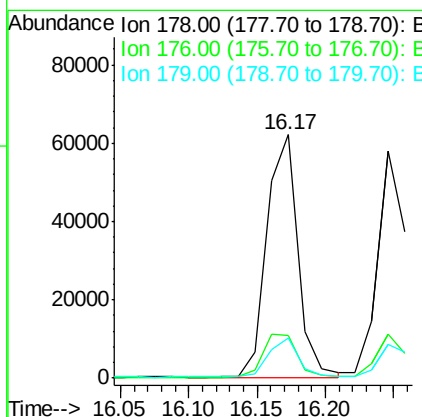
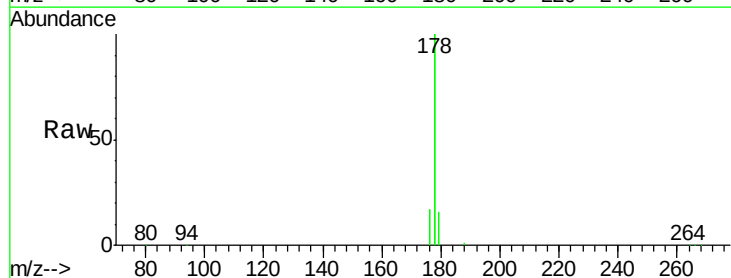
Instrument :
 BNA_E
 ClientSampleId :
 SST0.493

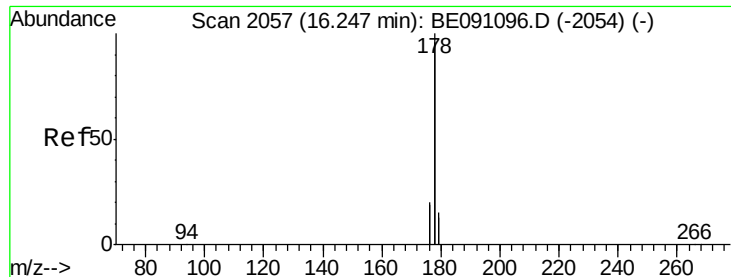
Tgt Ion: 266 Resp: 535
 Ion Ratio Lower Upper
 266 100
 264 67.9 53.5 80.3
 268 66.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.17 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BE091115.D
 Acq: 11 Nov 2015 17:17

Tgt Ion: 178 Resp: 97279
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.2 24.4
 179 16.5 12.8 19.2





#15

Anthracene

Concen: 0.38 ng/ul

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

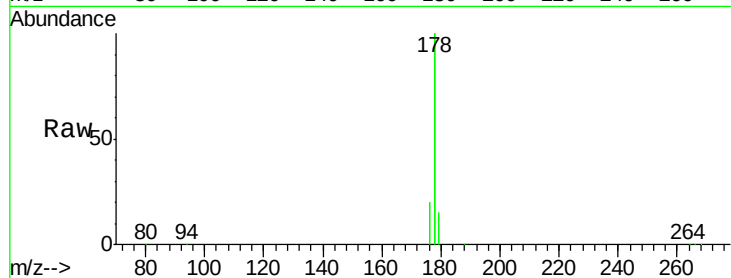
Tgt Ion:178 Resp: 88193

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

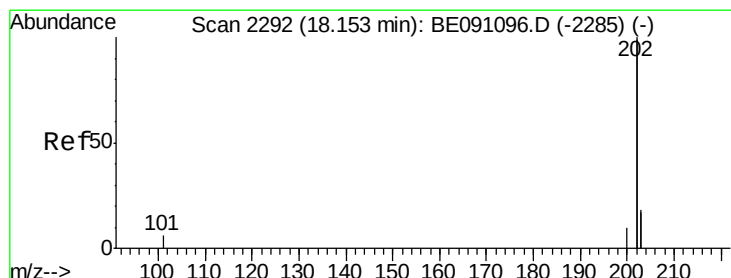
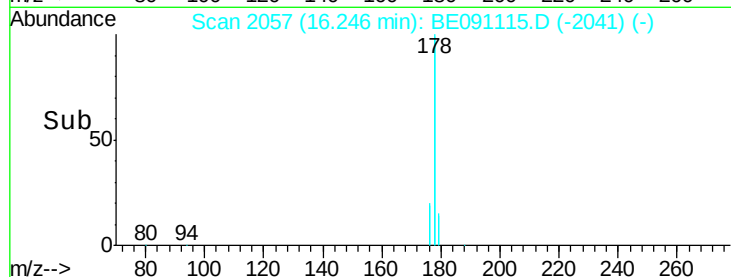
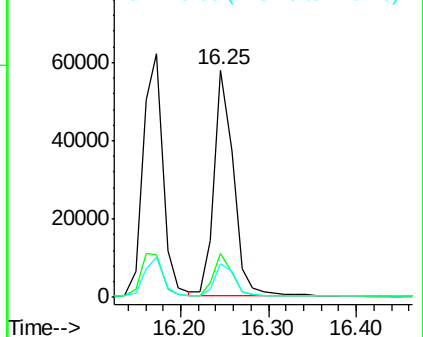
179 15.0 13.3 19.9



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: 0.35 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

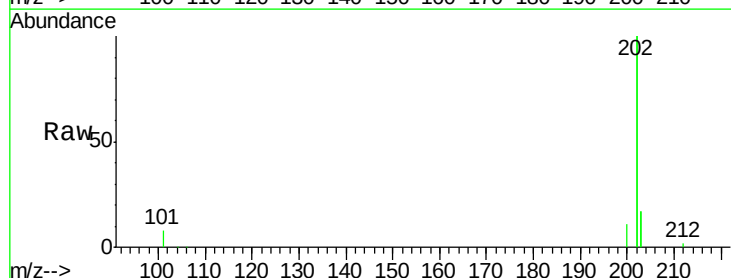
Tgt Ion:202 Resp: 105674

Ion Ratio Lower Upper

202 100

101 3.9 0.0 33.1

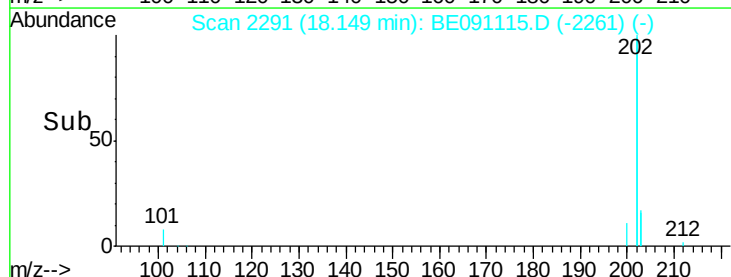
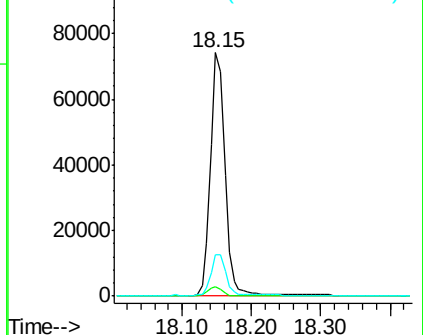
203 16.8 0.0 37.2

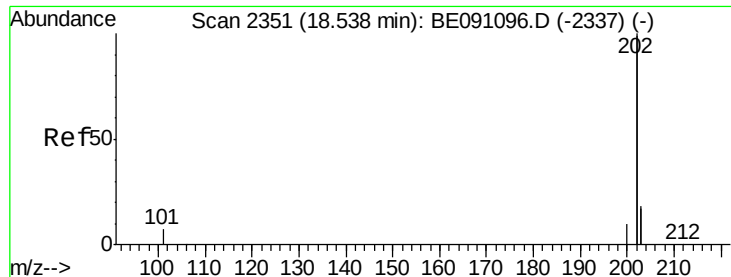


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.38 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

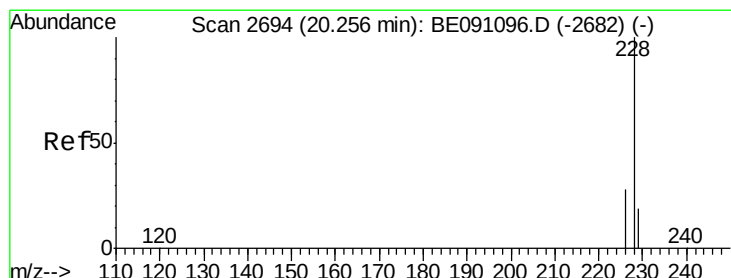
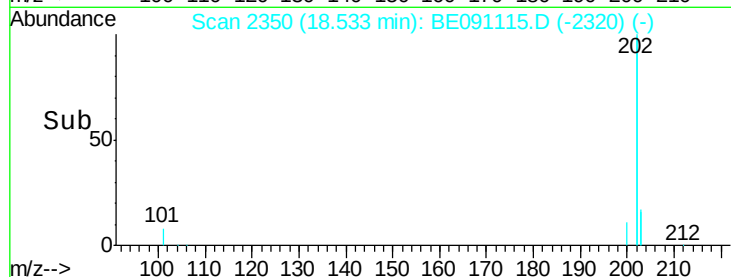
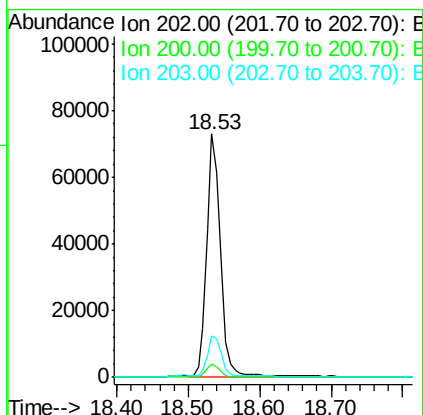
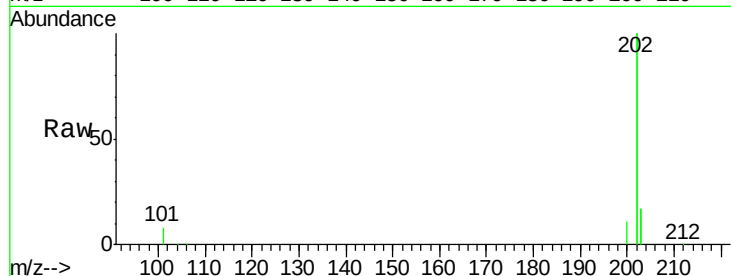
Tgt Ion:202 Resp: 96838

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

203 17.0 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 20.26 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

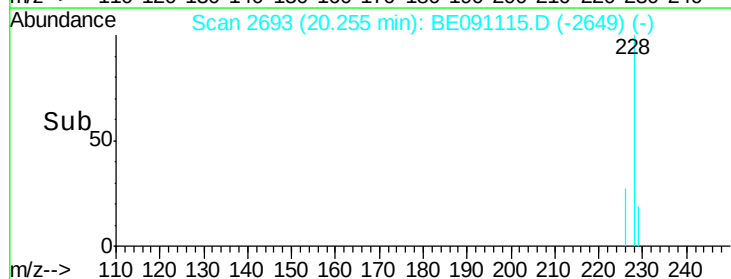
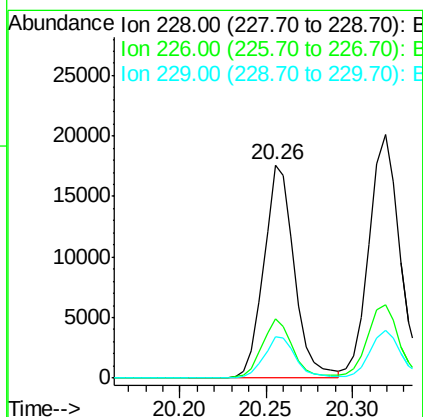
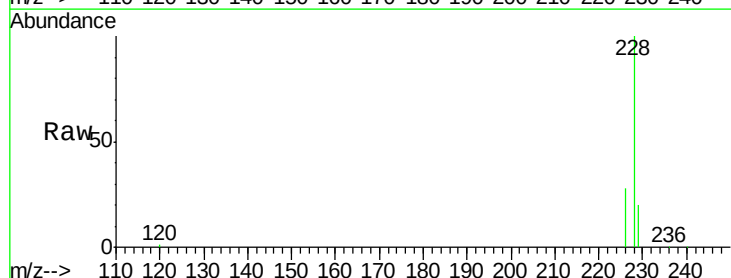
Tgt Ion:228 Resp: 21442

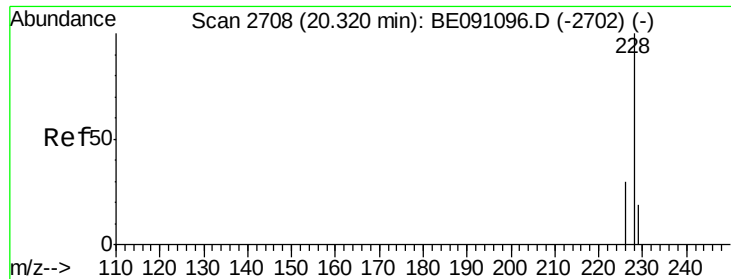
Ion Ratio Lower Upper

228 100

226 27.7 23.0 34.4

229 19.6 15.2 22.8





#21

Chrysene

Concen: 0.38 ng/ul

RT: 20.32 min Scan# 2707

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

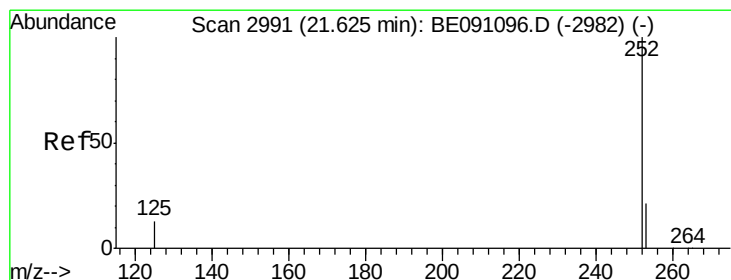
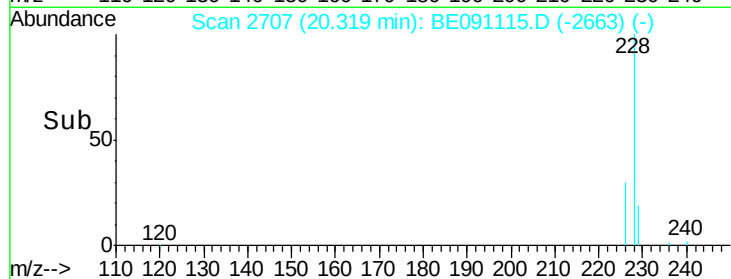
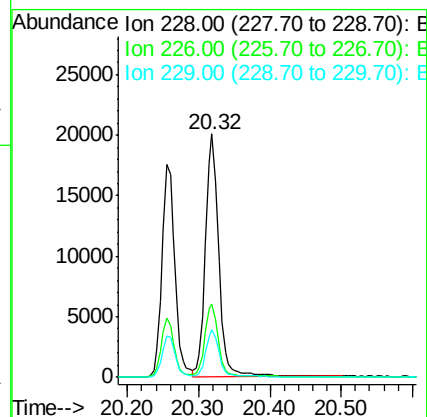
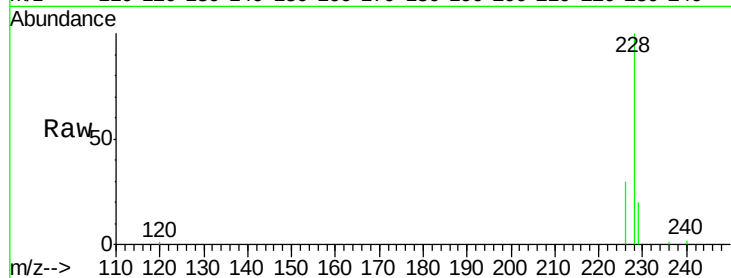
Tgt Ion:228 Resp: 25572

Ion Ratio Lower Upper

228 100

226 30.0 25.7 38.5

229 19.7 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

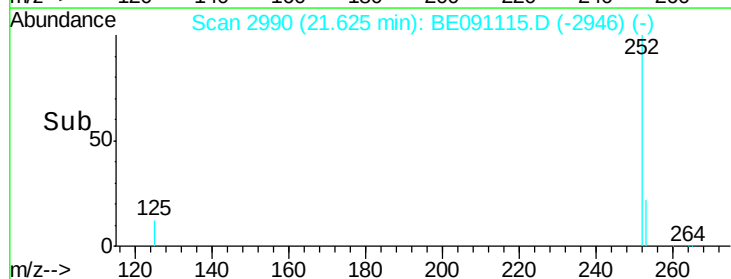
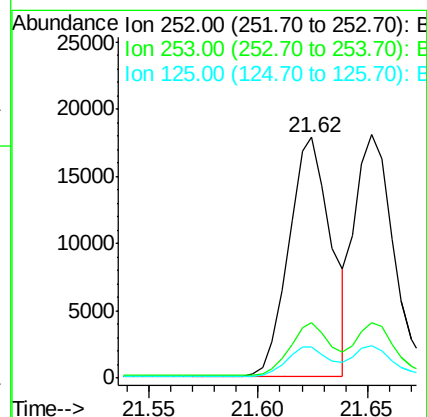
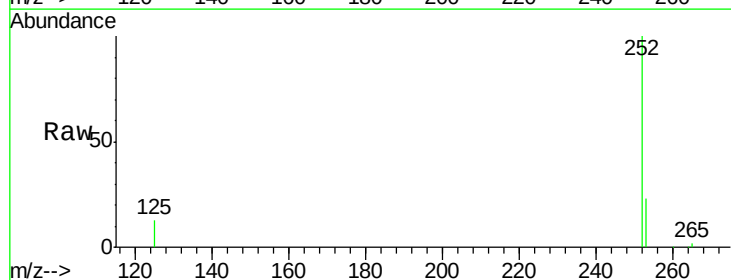
Tgt Ion:252 Resp: 24005

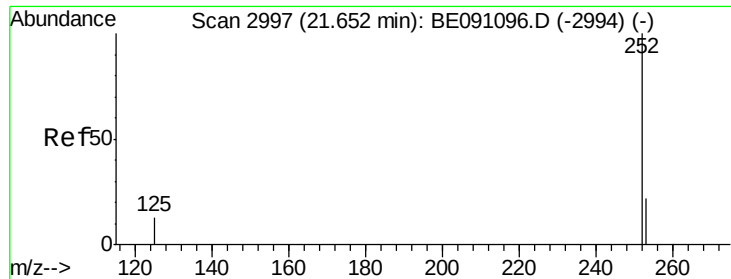
Ion Ratio Lower Upper

252 100

253 23.1 0.0 48.0

125 12.9 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 21.65 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

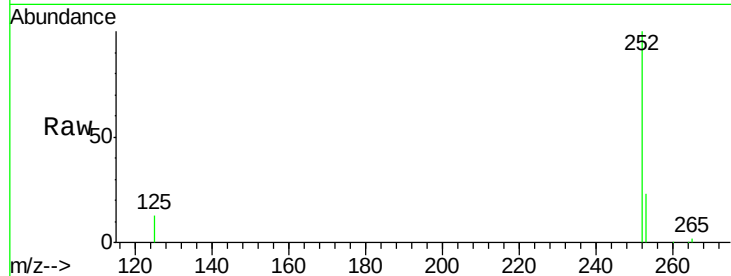
Tgt Ion:252 Resp: 23763

Ion Ratio Lower Upper

252 100

253 22.6 20.8 31.2

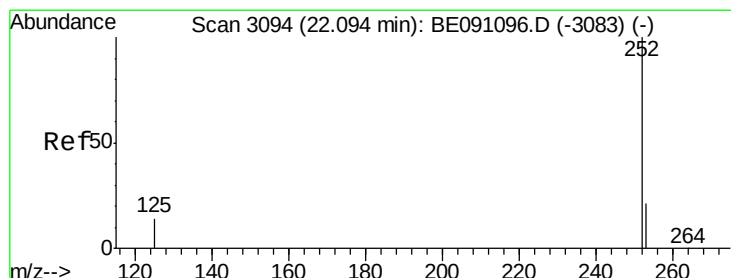
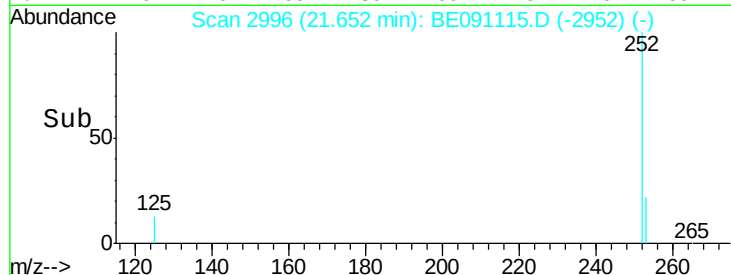
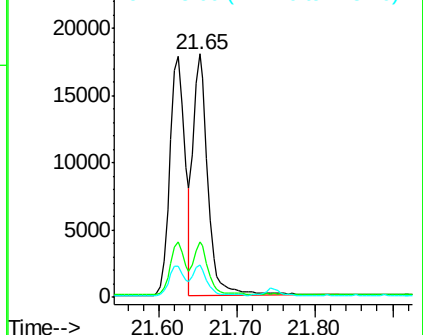
125 13.3 12.2 18.4



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: 0.38 ng/ul

RT: 22.09 min Scan# 3092

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

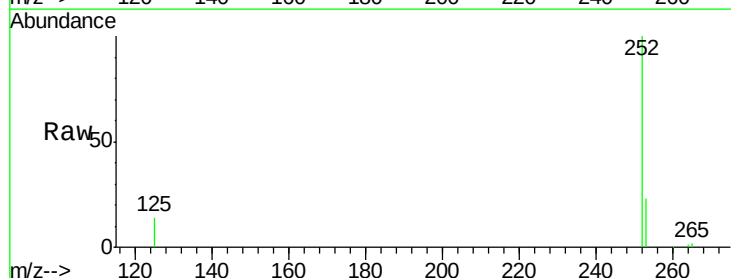
Tgt Ion:252 Resp: 22044

Ion Ratio Lower Upper

252 100

253 22.6 21.8 32.8

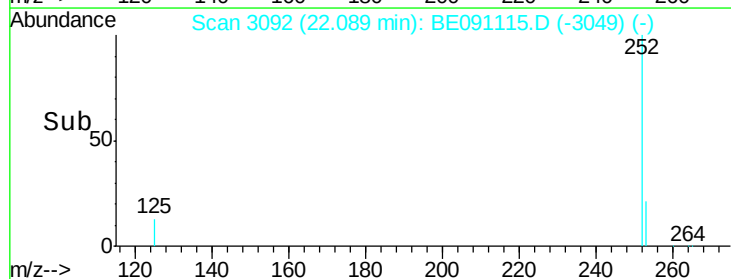
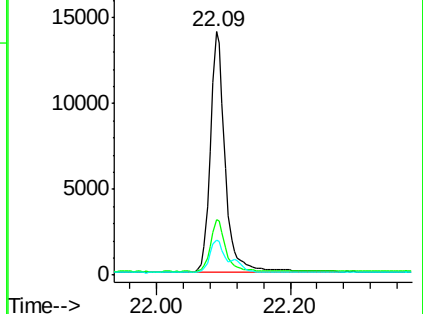
125 14.3 14.5 21.7#

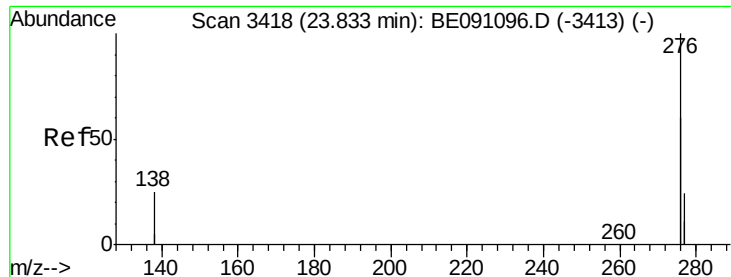


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.45 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493

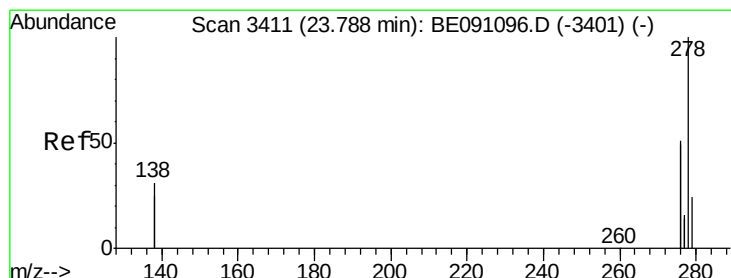
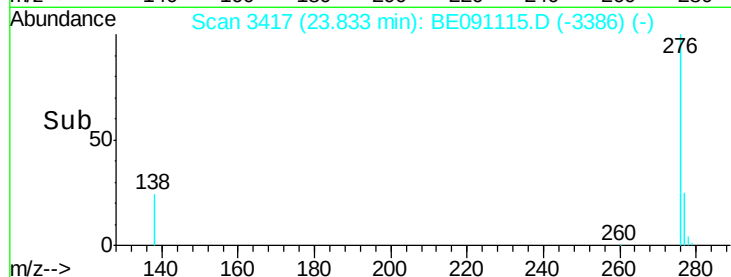
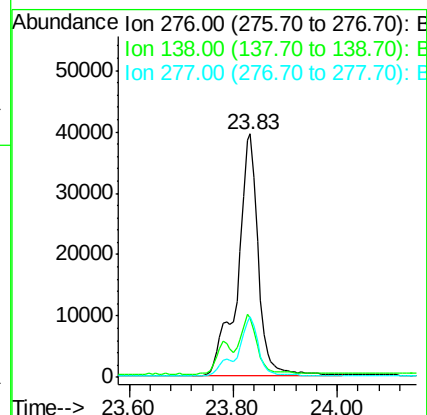
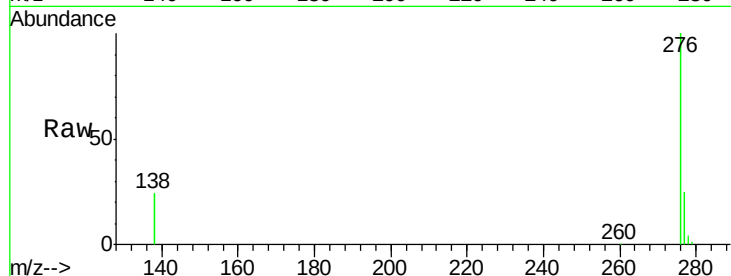
Tgt Ion:276 Resp: 109501

Ion Ratio Lower Upper

276 100

138 20.1 27.5 41.3#

277 19.7 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.38 ng/ul

RT: 23.79 min Scan# 3410

Delta R.T. -0.00 min

Lab File: BE091115.D

Acq: 11 Nov 2015 17:17

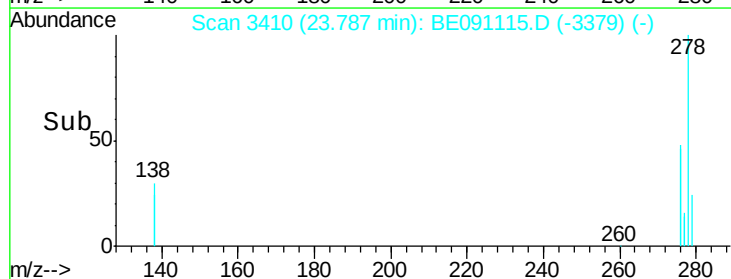
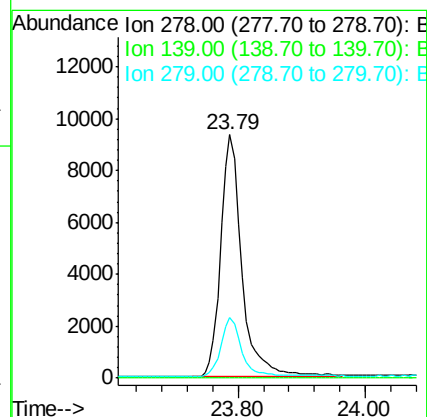
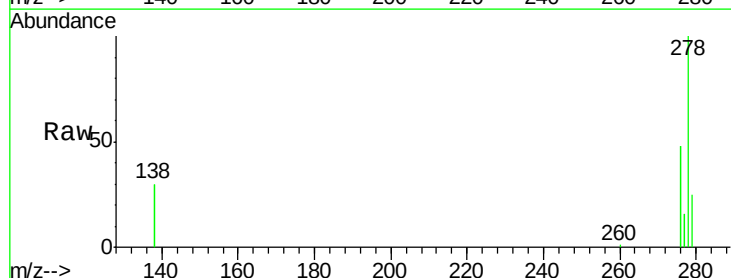
Tgt Ion:278 Resp: 21662

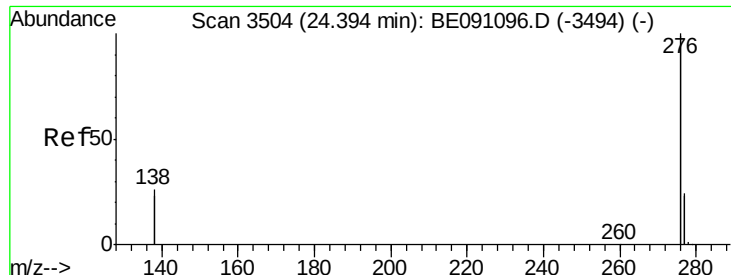
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 24.7 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. -0.00 min

Lab File: BE091115.D

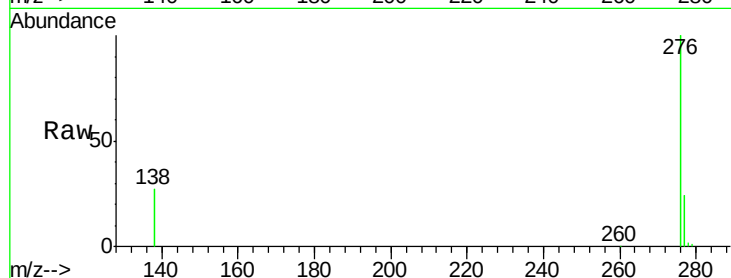
Acq: 11 Nov 2015 17:17

Instrument :

BNA_E

ClientSampleId :

SSTD0.493



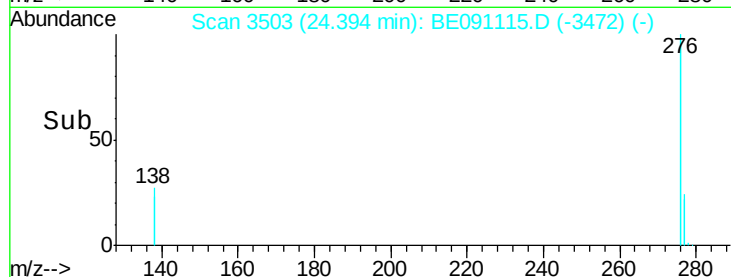
Tgt Ion: 276 Resp: 95237

Ion Ratio Lower Upper

276 100

277 23.7 21.3 31.9

138 26.9 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

