

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091248.D
 Acq On : 20 Nov 2015 16:22
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.477

Quant Time: Nov 21 02:37:38 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 02:33:52 2015
 Response via : Initial Calibration

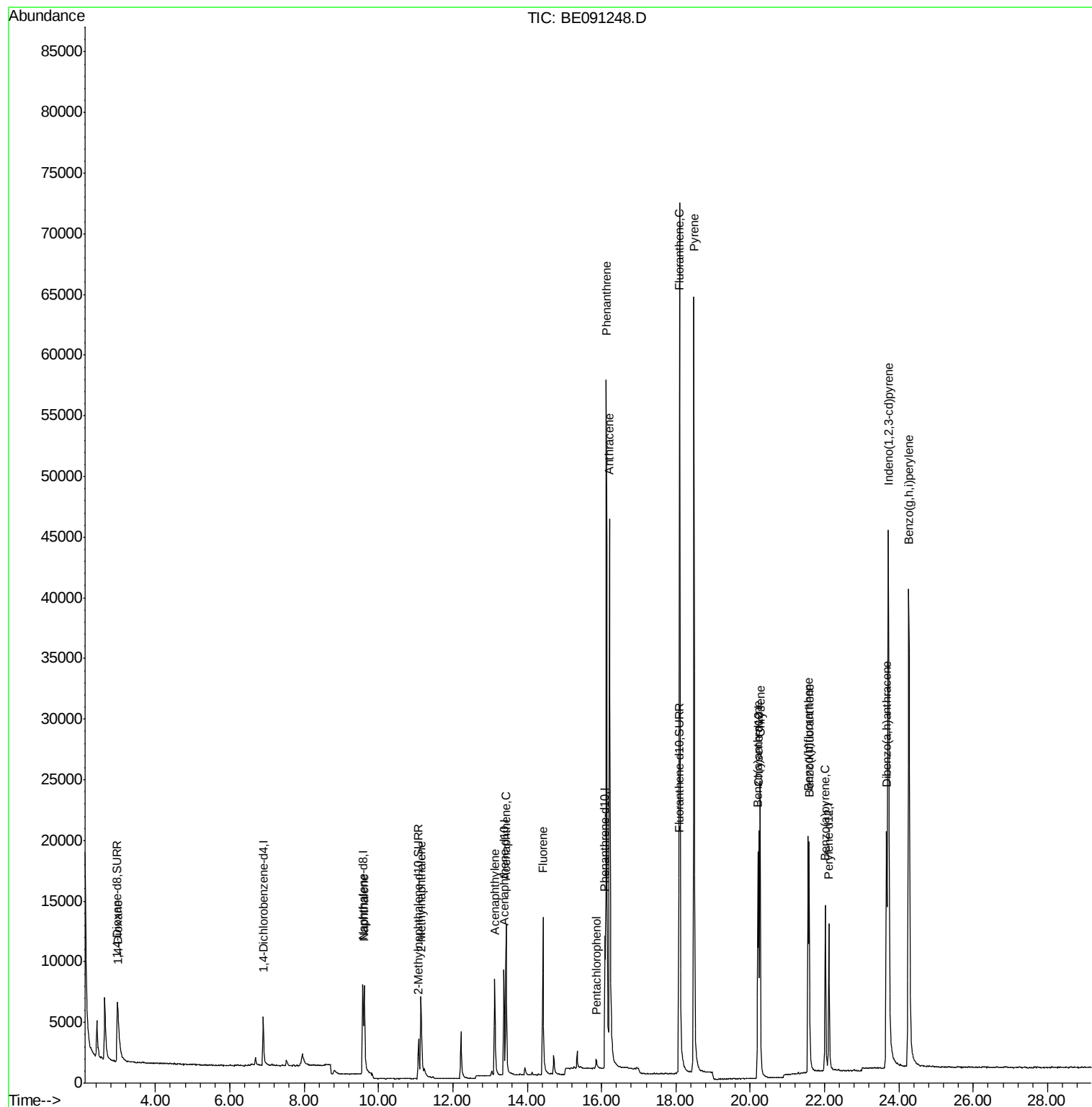
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2698	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	12349	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.38	164	5450	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	16154	0.40	ng/ul	-0.01
18) Chrysene-d12	20.23	240	19328	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	14589	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	4216	2.17	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	6328	0.38	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	17191	0.38	ng/ul	0.00
Target Compounds					Ovalue	
3) 1,4-Dioxane	3.00	88	4433	2.02	ng/ul#	62
5) Naphthalene	9.61	128	12283	0.40	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	7186	0.36	ng/ul	89
9) Acenaphthylene	13.12	152	11540	0.42	ng/ul	98
10) Acenaphthene	13.43	153	7953	0.43	ng/ul#	87
11) Fluorene	14.42	166	10320	0.43	ng/ul	88
13) Pentachlorophenol	15.86	266	841	0.55	ng/ul	99
14) Phenanthrene	16.12	178	73217	0.39	ng/ul	99
15) Anthracene	16.21	178	65287	0.38	ng/ul	98
17) Fluoranthene	18.10	202	90555	0.41	ng/ul	90
19) Pyrene	18.49	202	83938	0.38	ng/ul#	80
20) Benzo(a)anthracene	20.20	228	18186	0.37	ng/ul	97
21) Chrysene	20.26	228	23981	0.42	ng/ul	99
23) Benzo(b)fluoranthene	21.56	252	20514	0.45	ng/ul	93
24) Benzo(k)fluoranthene	21.59	252	20968	0.45	ng/ul	94
25) Benzo(a)pyrene	22.02	252	18509	0.44	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.72	276	74213	0.42	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.67	278	17166	0.41	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	75680	0.41	ng/ul	95

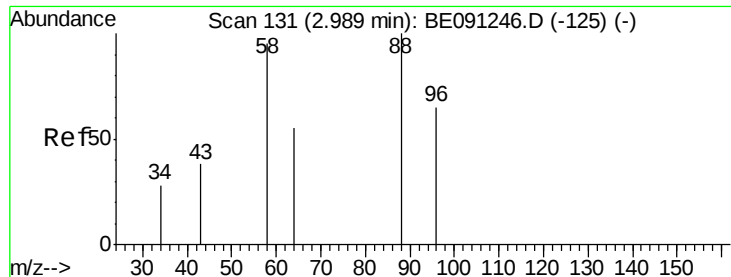
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
Data File : BE091248.D
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ALS Vial : 2 Sample Multiplier: 1

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#3

1,4-Dioxane

Concen: 2.02 ng/ul

RT: 3.00 min Scan# 132

Delta R.T. 0.01 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

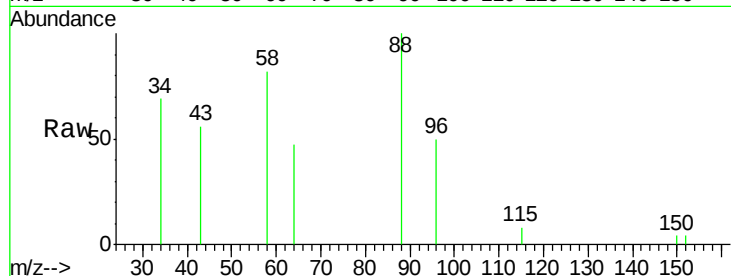
Tot Ion: 88 Resp: 4433

Ion Ratio Lower Upper

88 100

58 104.7 55.4 83.2#

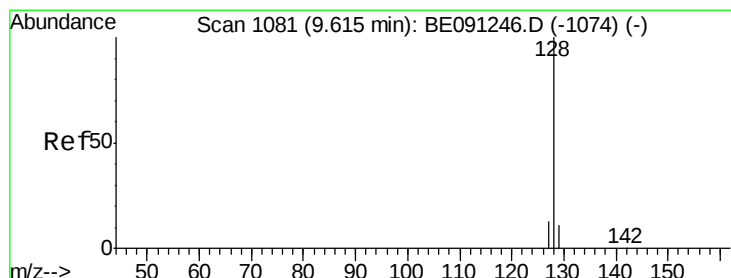
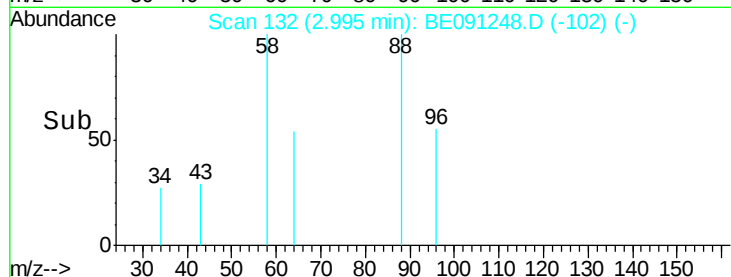
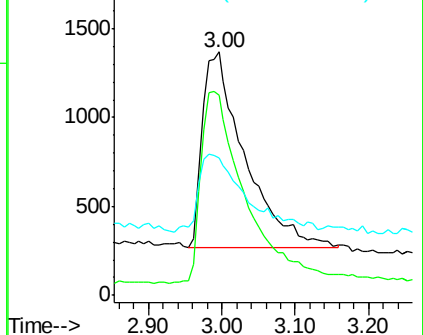
43 44.3 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091248.D (-102) (-)

Ion 58.00 (57.70 to 58.70): BE091248.D (-102) (-)

Ion 43.00 (42.70 to 43.70): BE091248.D (-102) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

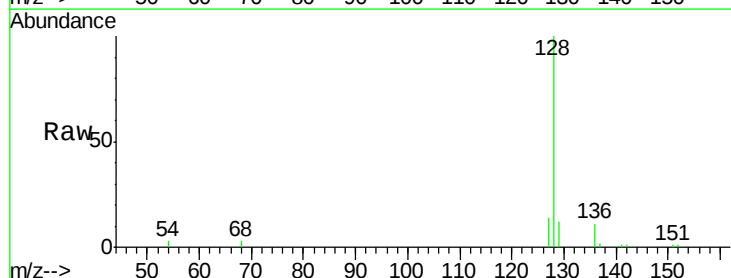
Tgt Ion: 128 Resp: 12283

Ion Ratio Lower Upper

128 100

129 12.2 9.8 14.8

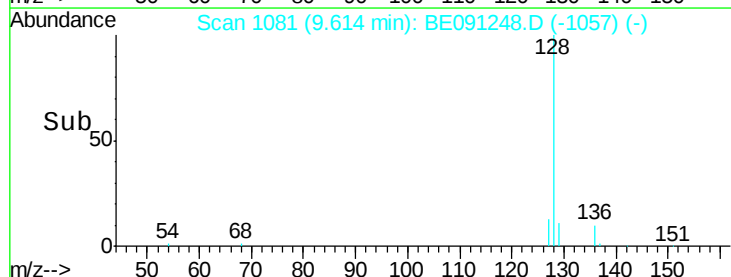
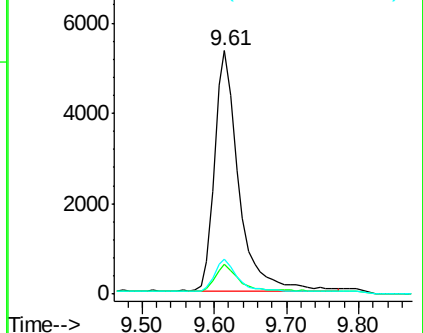
127 14.3 10.7 16.1

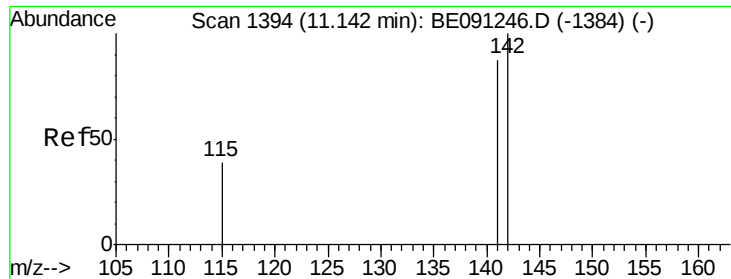


Abundance Ion 128.00 (127.70 to 128.70): BE091248.D (-1057) (-)

Ion 129.00 (128.70 to 129.70): BE091248.D (-1057) (-)

Ion 127.00 (126.70 to 127.70): BE091248.D (-1057) (-)





#7

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 11.14 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

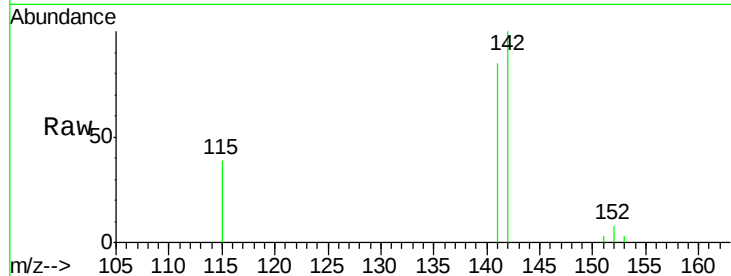
SSTD0.477

Tot Ion:142 Resp: 7186

Ion Ratio Lower Upper

142 100

141 98.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.14

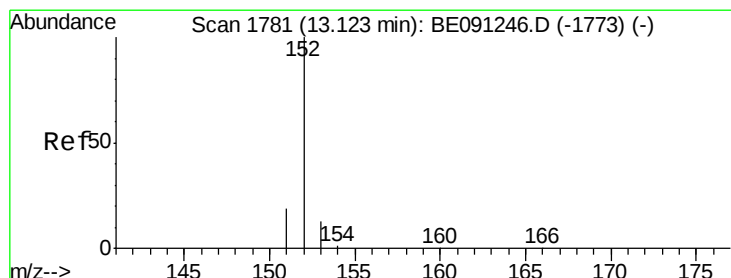
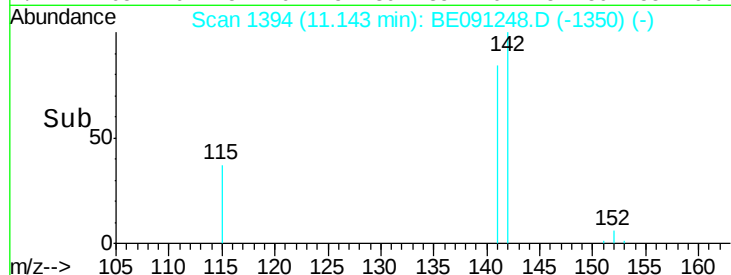
3000

2000

1000

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.42 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

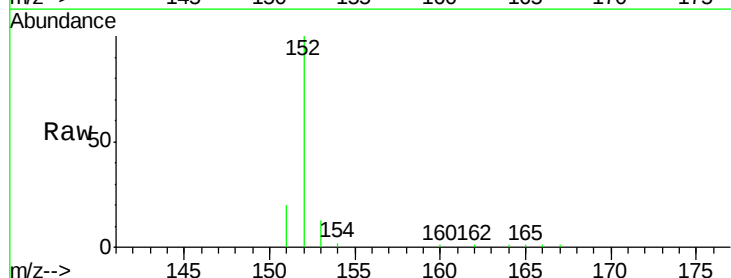
Tgt Ion:152 Resp: 11540

Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

153 13.0 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

8000

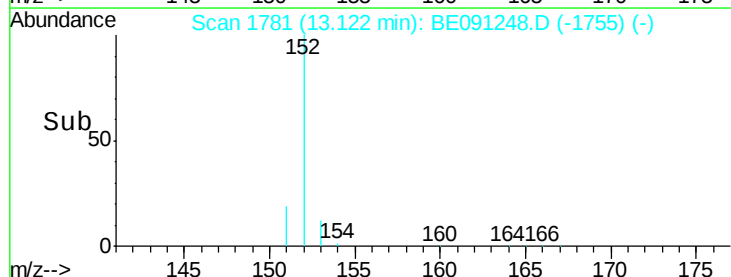
6000

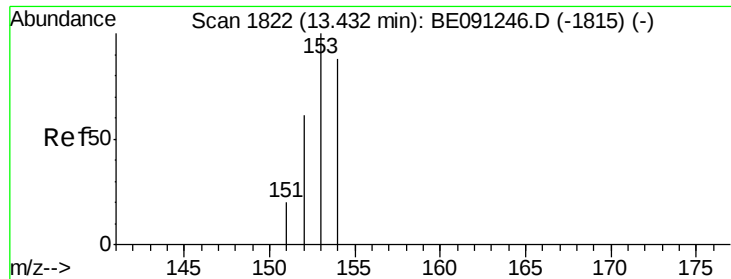
4000

2000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

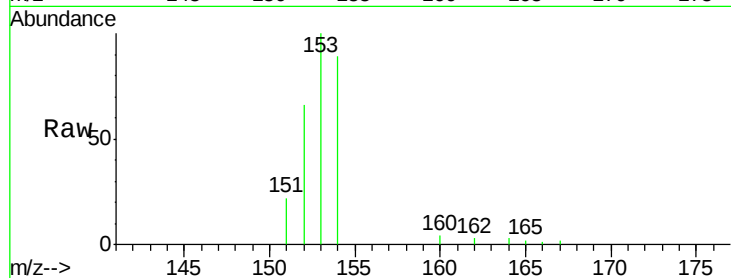
Tot Ion:153 Resp: 7953

Ion Ratio Lower Upper

153 100

152 66.1 42.3 63.5#

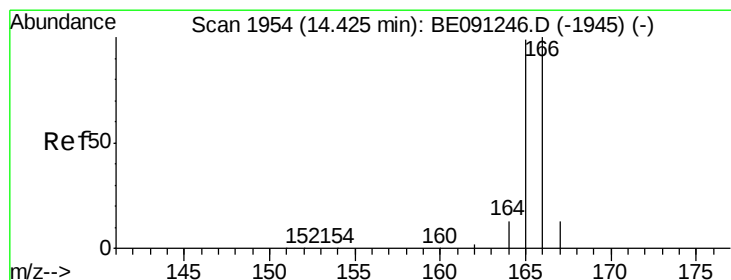
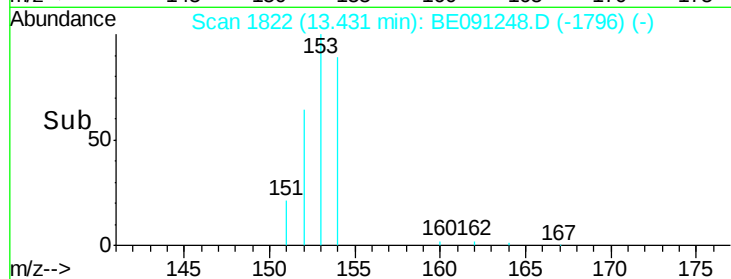
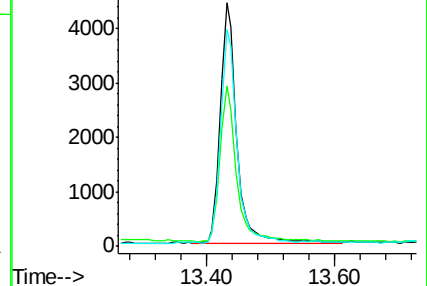
154 89.1 64.7 97.1



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# 1954

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

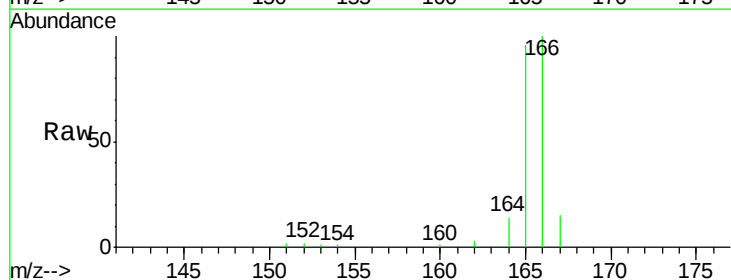
Tgt Ion:166 Resp: 10320

Ion Ratio Lower Upper

166 100

165 96.0 87.6 131.4

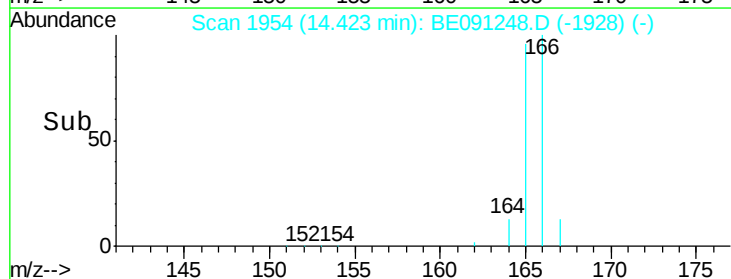
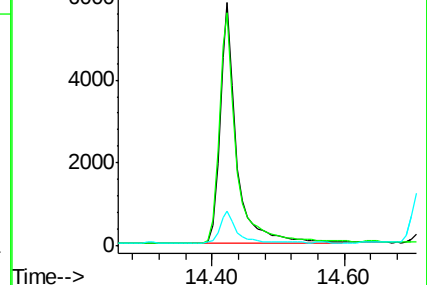
167 14.5 11.1 16.7

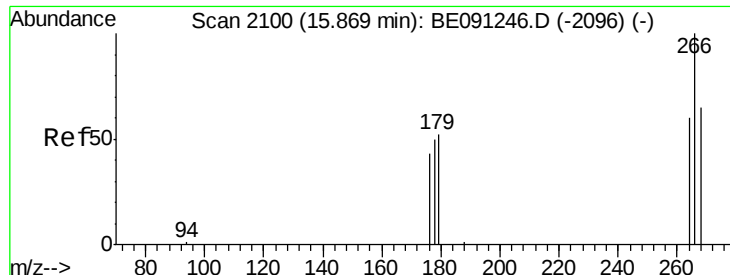


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

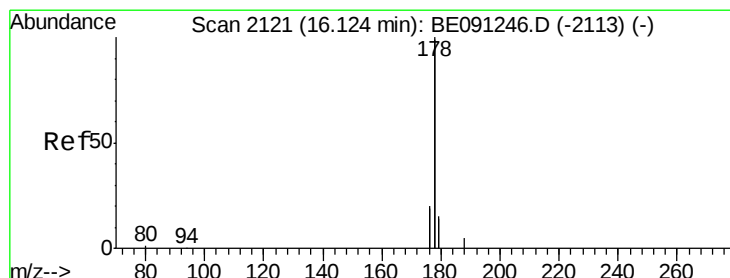
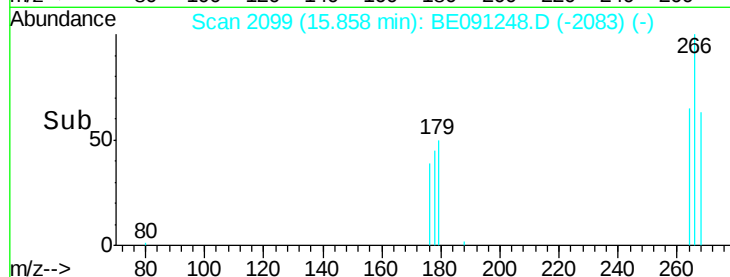
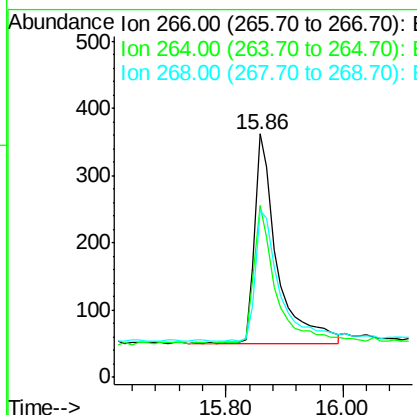
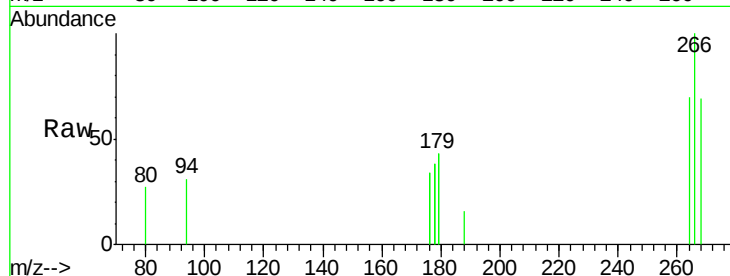




#13
 Pentachlorophenol
 Concen: 0.55 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: BE091248.D
 Acq: 20 Nov 2015 16:22

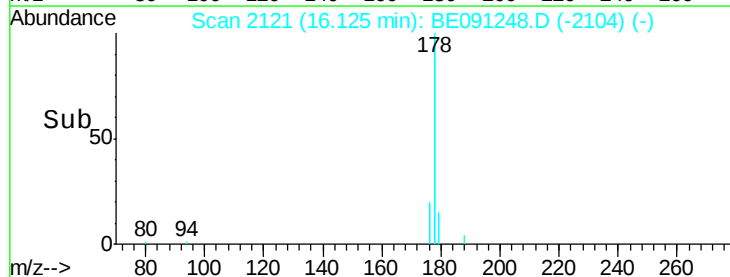
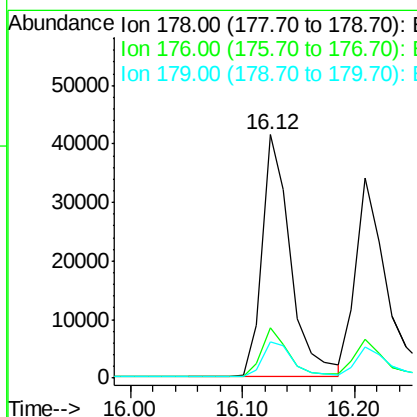
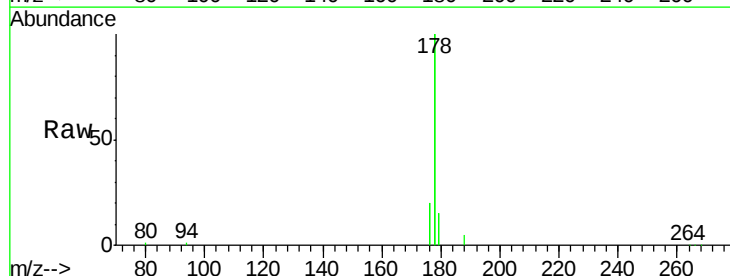
Instrument :
 BNA_E
 ClientSampleId :
 SST0.477

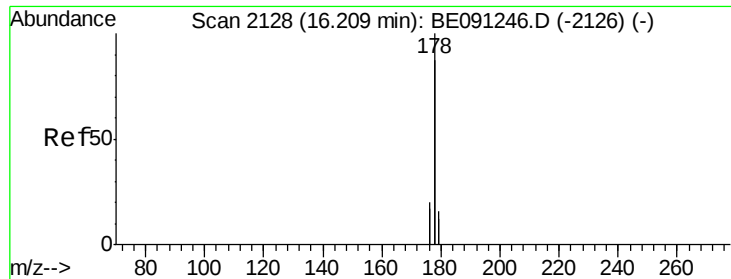
Tot Ion:266 Resp: 841
 Ion Ratio Lower Upper
 266 100
 264 65.3 53.5 80.3
 268 68.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.39 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091248.D
 Acq: 20 Nov 2015 16:22

Tgt Ion:178 Resp: 73217
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.2 24.4
 179 15.0 12.8 19.2





#15

Anthracene

Concen: 0.38 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

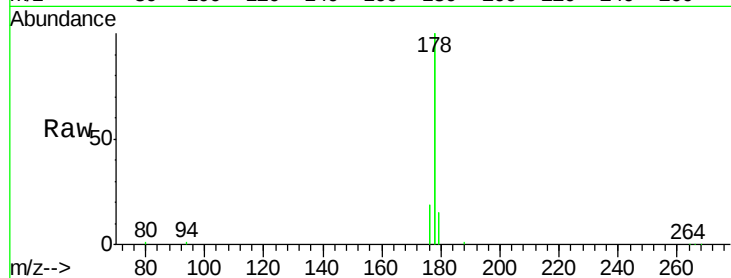
Tot Ion:178 Resp: 65287

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

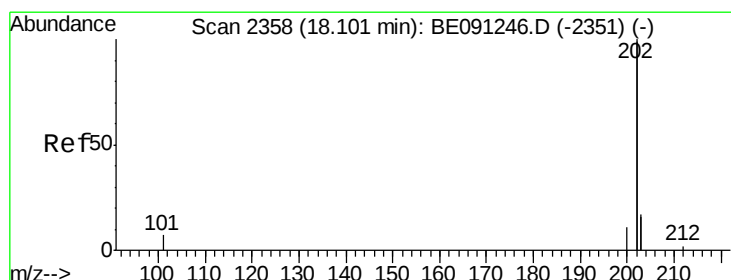
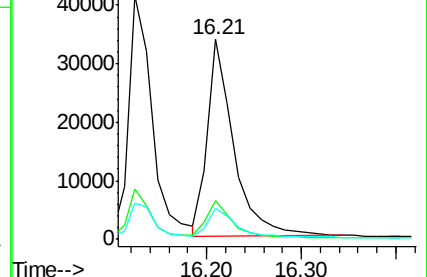
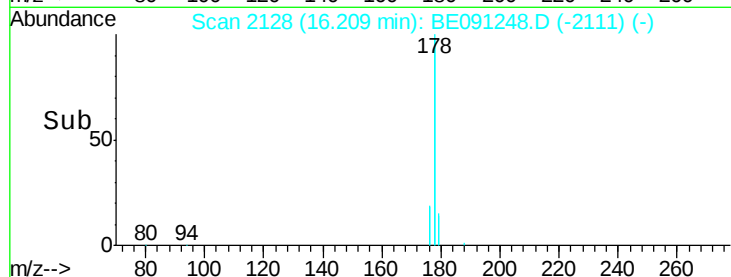
179 15.3 13.3 19.9



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: 0.41 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

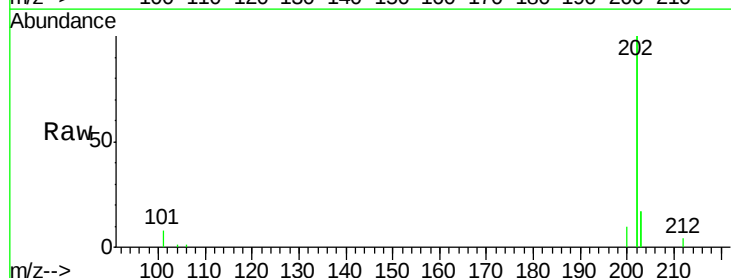
Tgt Ion:202 Resp: 90555

Ion Ratio Lower Upper

202 100

101 3.9 0.0 33.1

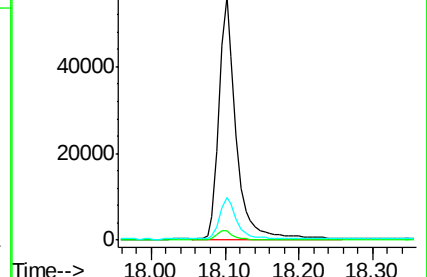
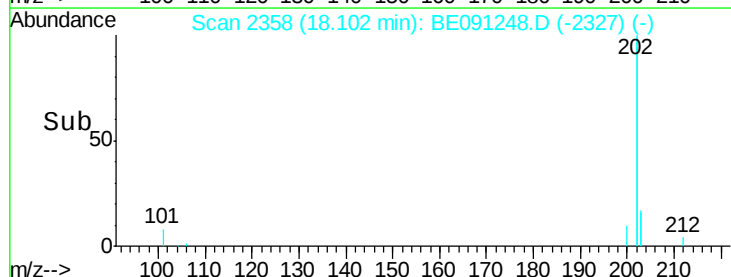
203 17.3 0.0 37.2

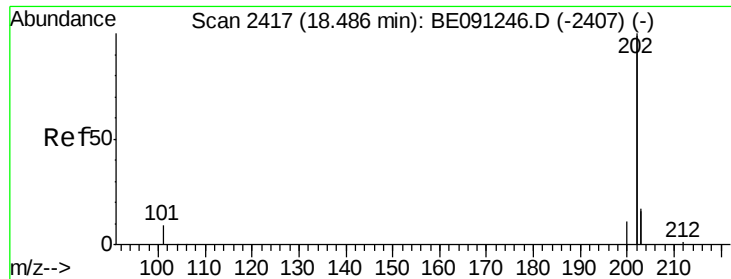


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

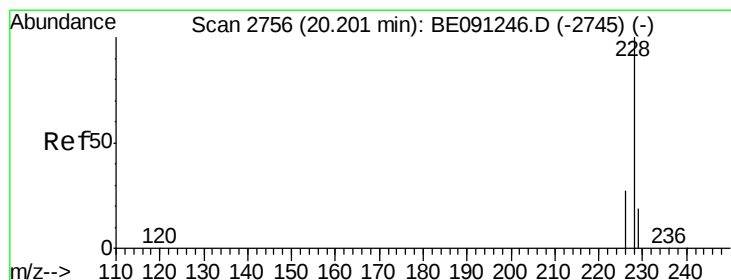
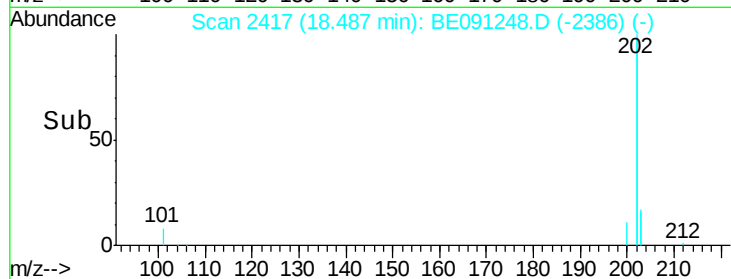
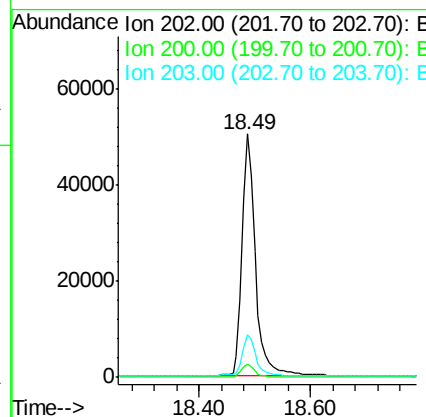
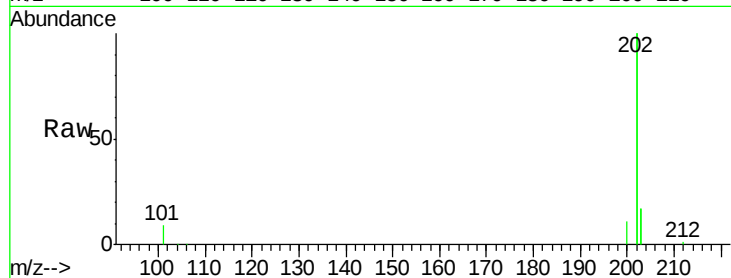




#19
Pvrene
Concen: 0.38 ng/ul
RT: 18.49 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BE091248.D
Acq: 20 Nov 2015 16:22

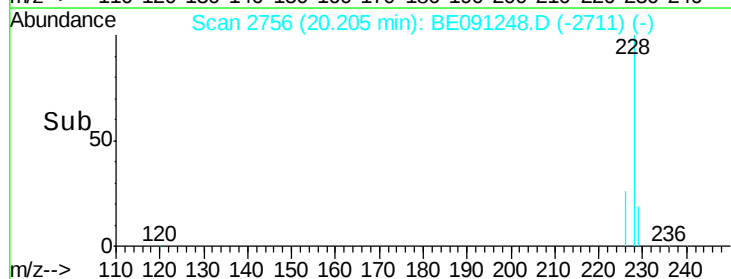
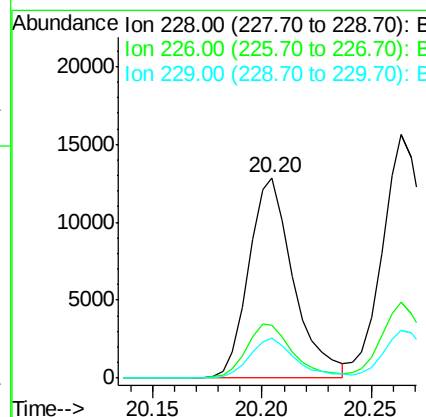
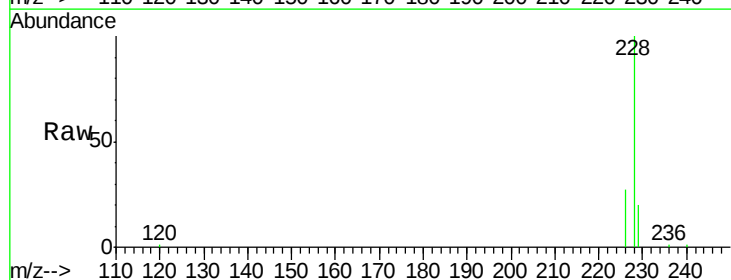
Instrument :
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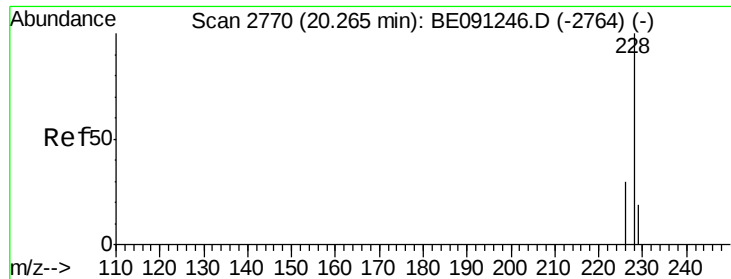
Tot Ion:202 Resp: 83938
Ion Ratio Lower Upper
202 100
200 5.4 18.0 27.0#
203 17.3 13.8 20.6



#20
Benzo(a)anthracene
Concen: 0.37 ng/ul
RT: 20.20 min Scan# 2756
Delta R.T. 0.00 min
Lab File: BE091248.D
Acq: 20 Nov 2015 16:22

Tgt Ion:228 Resp: 18186
Ion Ratio Lower Upper
228 100
226 26.6 23.0 34.4
229 19.9 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: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

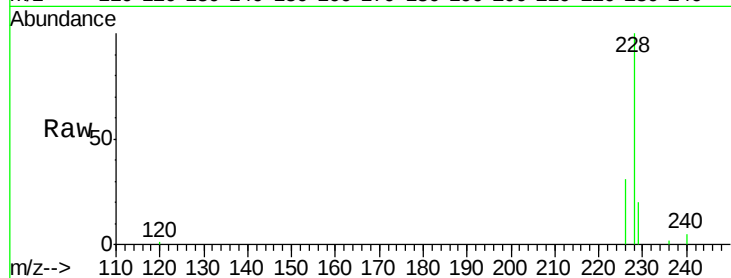
Tot Ion:228 Resp: 23981

Ion Ratio Lower Upper

228 100

226 31.4 25.7 38.5

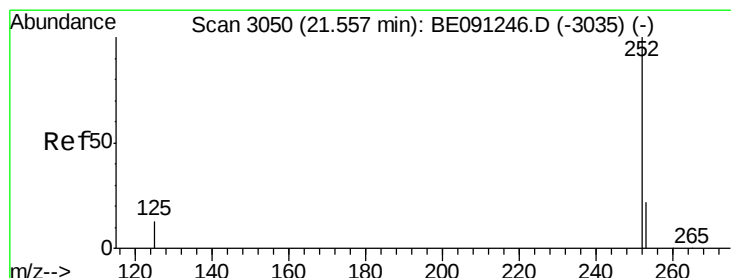
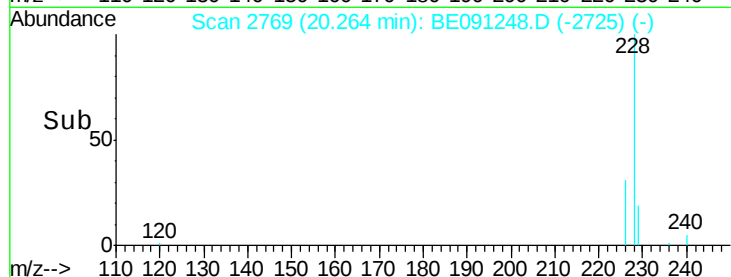
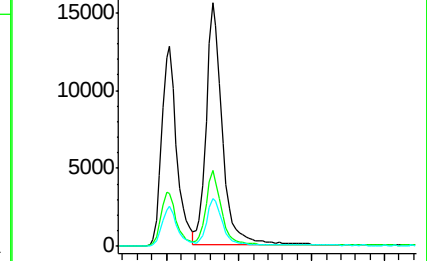
229 19.7 15.2 22.8



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: 0.45 ng/ul

RT: 21.56 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

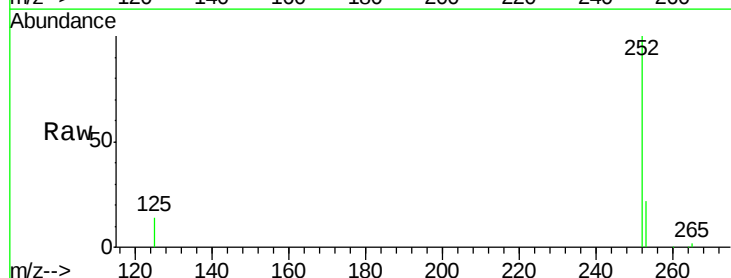
Tgt Ion:252 Resp: 20514

Ion Ratio Lower Upper

252 100

253 22.1 0.0 48.0

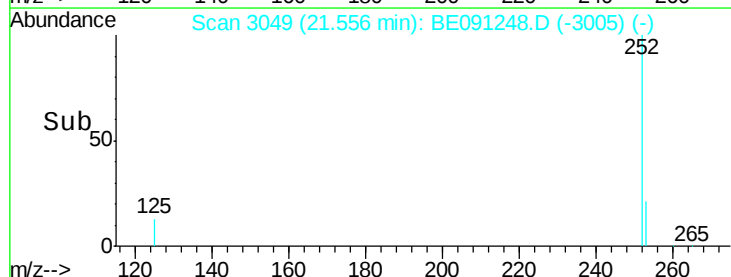
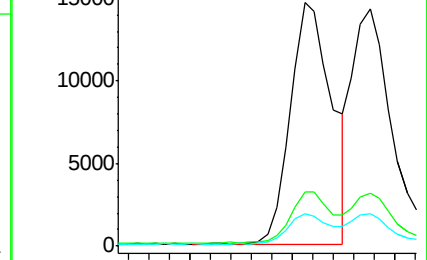
125 13.6 0.0 36.6

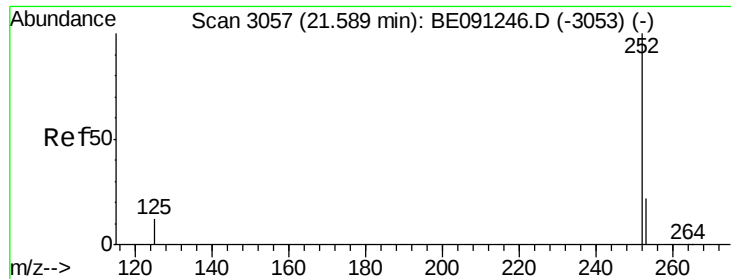


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.45 ng/ul

RT: 21.59 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

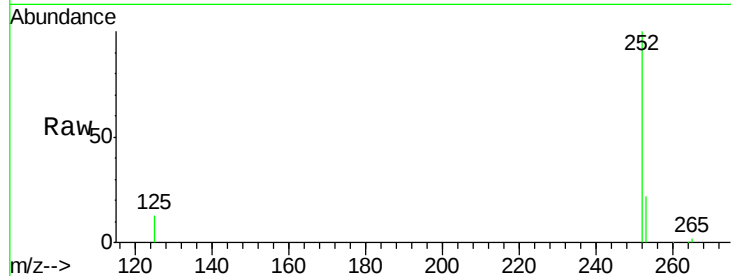
Tot Ion:252 Resp: 20968

Ion Ratio Lower Upper

252 100

253 22.4 20.8 31.2

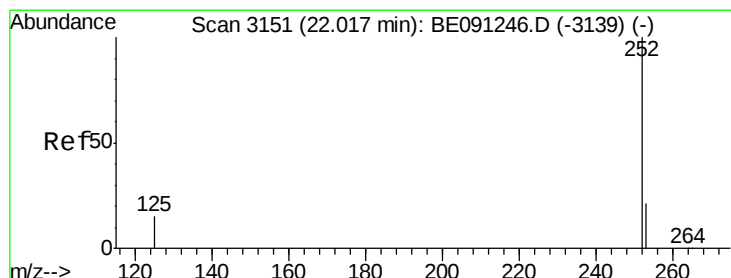
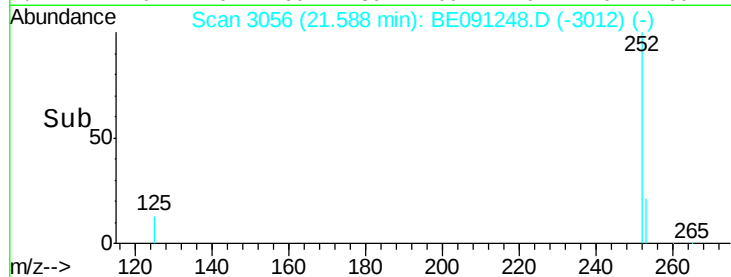
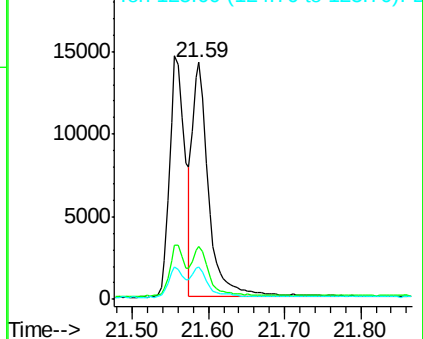
125 13.4 12.2 18.4



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: 22.02 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

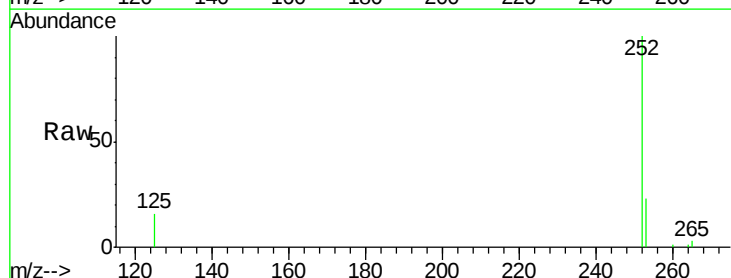
Tgt Ion:252 Resp: 18509

Ion Ratio Lower Upper

252 100

253 22.9 21.8 32.8

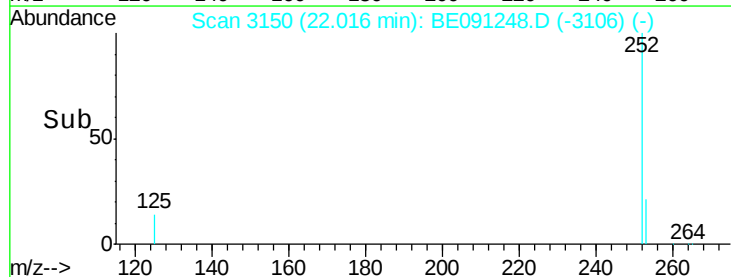
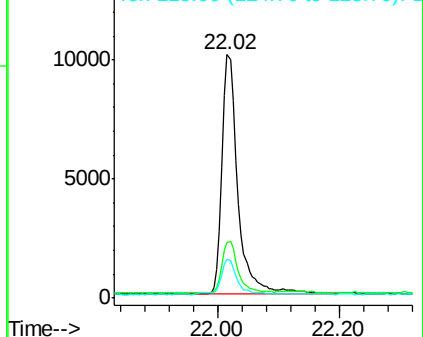
125 15.7 14.5 21.7

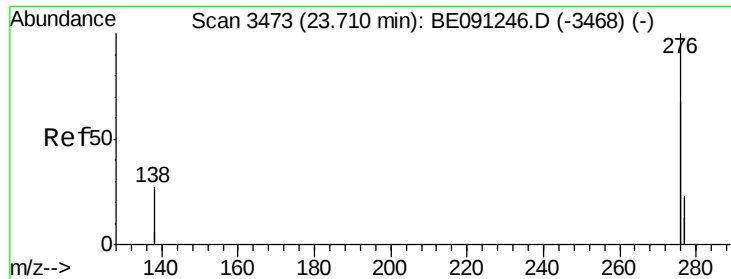


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.42 ng/ul

RT: 23.72 min Scan# 3473

Delta R.T. 0.01 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

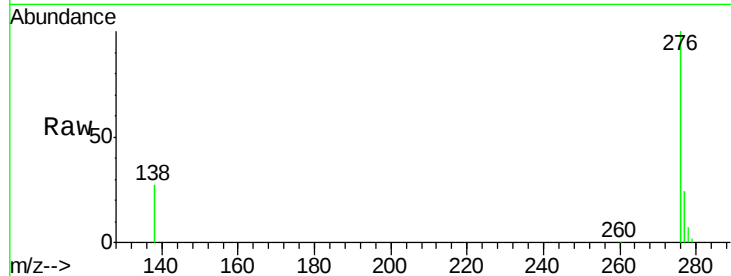
Tot Ion:276 Resp: 74213

Ion Ratio Lower Upper

276 100

138 24.9 27.5 41.3#

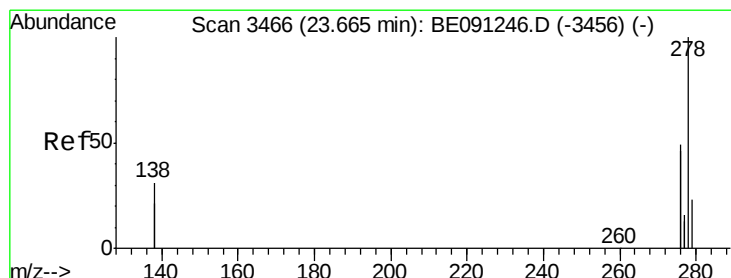
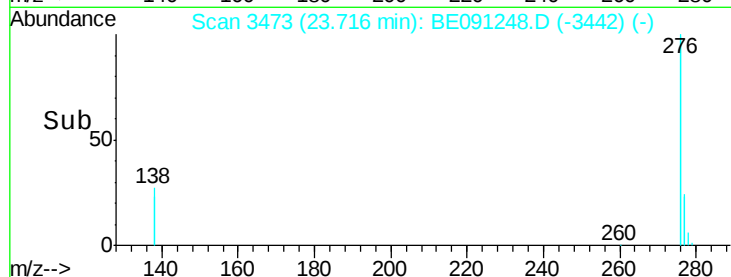
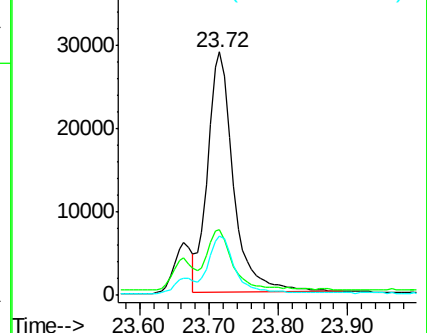
277 23.8 19.3 28.9



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: 0.41 ng/ul

RT: 23.67 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

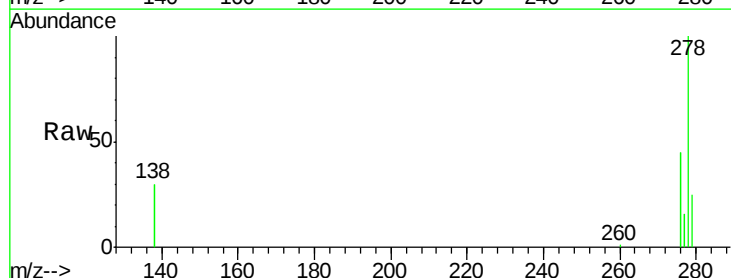
Tgt Ion:278 Resp: 17166

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

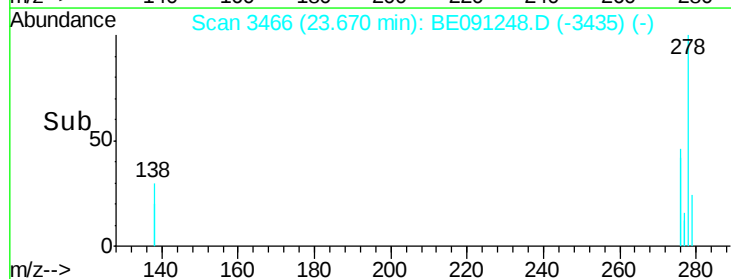
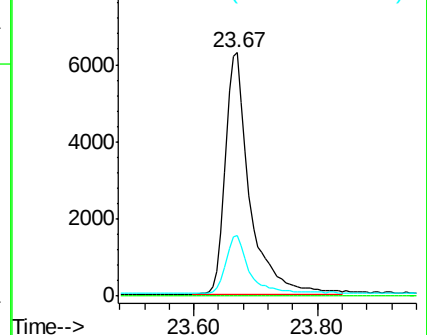
279 24.9 21.9 32.9

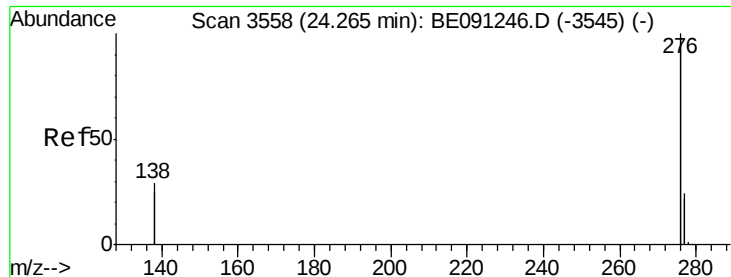


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(a,h,i)perylene

Concen: 0.41 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE091248.D

Acq: 20 Nov 2015 16:22

Instrument :

BNA_E

ClientSampleId :

SSTD0.477

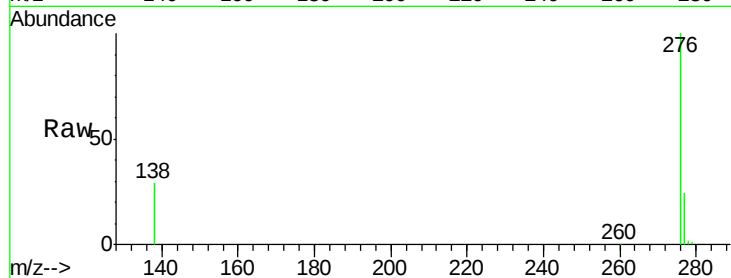
Tot Ion:276 Resp: 75680

Ion Ratio Lower Upper

276 100

277 24.0 21.3 31.9

138 29.2 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

