

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111515\
 Data File : BE091166.D
 Acq On : 15 Nov 2015 10:45
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.499

Quant Time: Nov 16 04:50:14 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 14 03:28:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	4118	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.59	136	20464	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.39	164	11556	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.10	188	30053	0.40	ng/ul	-0.01
18) Chrysene-d12	20.24	240	36496	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	32951	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.09	96	5349	1.81	ng/uL	-0.07
6) 2-Methylnaphthalene-d10	11.09	152	11064	0.40	ng/ul	-0.03
16) Fluoranthene-d10	18.08	212	34327	0.41	ng/ul	-0.01

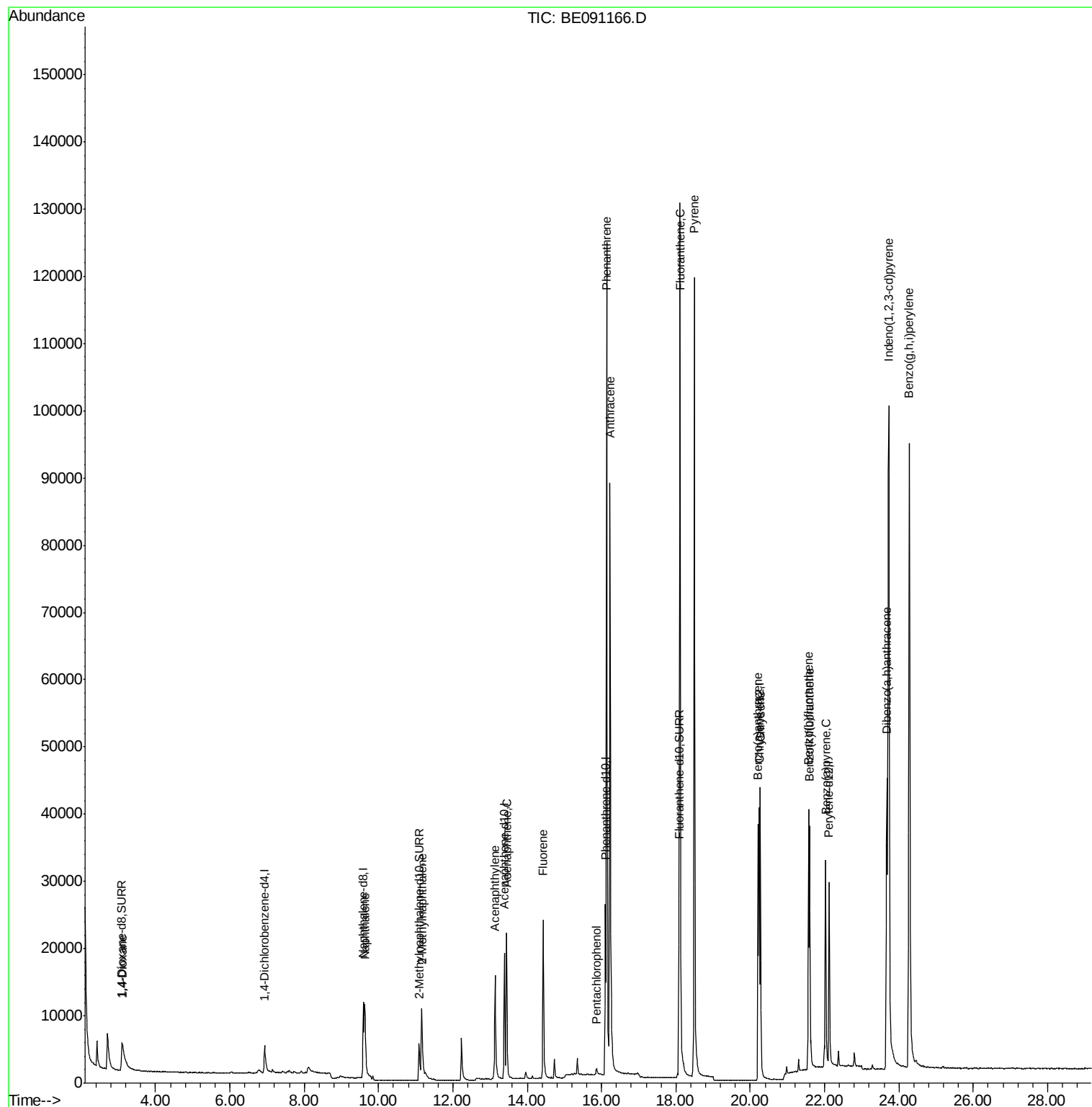
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.11	88	5863	1.75	ng/ul#	71
5) Naphthalene	9.63	128	19399	0.38	ng/ul	99
7) 2-Methylnaphthalene	11.16	142	12332	0.38	ng/ul	89
9) Acenaphthylene	13.14	152	21494	0.37	ng/ul	98
10) Acenaphthene	13.45	153	15147	0.38	ng/ul	91
11) Fluorene	14.43	166	18920	0.37	ng/ul	90
13) Pentachlorophenol	15.87	266	1069	0.37	ng/ul	97
14) Phenanthrene	16.14	178	133117	0.38	ng/ul	98
15) Anthracene	16.22	178	125993	0.40	ng/ul	97
17) Fluoranthene	18.11	202	165404	0.41	ng/ul	90
19) Pyrene	18.49	202	158499	0.38	ng/ul#	80
20) Benzo(a)anthracene	20.21	228	35412	0.38	ng/ul	99
21) Chrysene	20.27	228	42399	0.39	ng/ul	98
23) Benzo(b)fluoranthene	21.57	252	38834	0.38	ng/ul	94
24) Benzo(k)fluoranthene	21.59	252	40587	0.38	ng/ul	95
25) Benzo(a)pyrene	22.03	252	38898	0.41	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	23.72	276	151366	0.38	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.68	278	37234	0.39	ng/ul#	71
28) Benzo(g,h,i)perylene	24.28	276	161287	0.39	ng/ul#	92

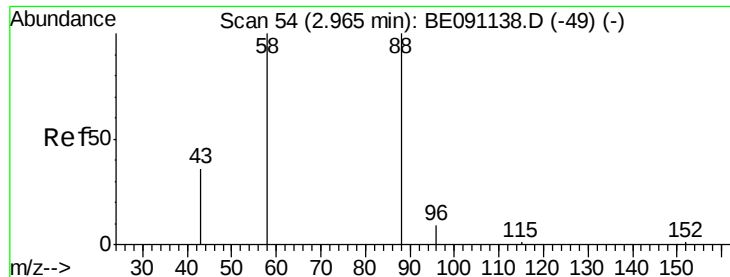
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111515\
Data File : BE091166.D
Acq On : 15 Nov 2015 10:45
Operator : UM/NP
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.499

Quant Time: Nov 16 04:50:14 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 14 03:28:24 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 1.75 ng/ul

RT: 3.11 min Scan# 149

Delta R.T. -0.06 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

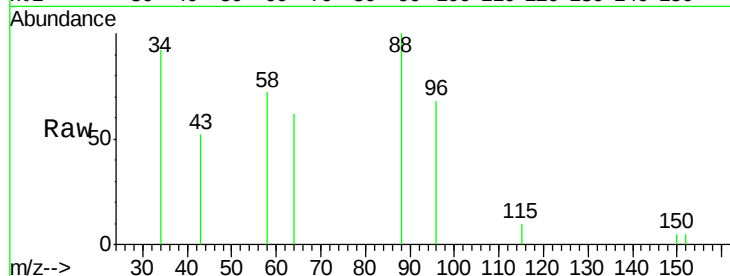
Tgt Ion: 88 Resp: 5863

Ion Ratio Lower Upper

88 100

58 98.5 55.4 83.2#

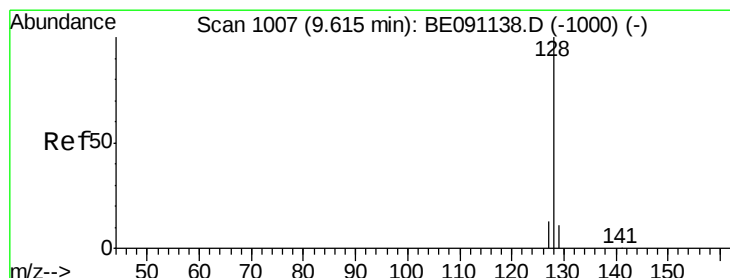
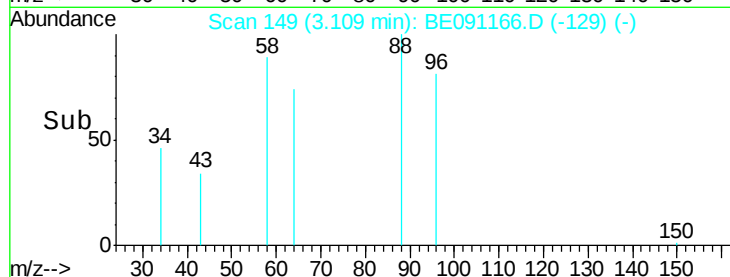
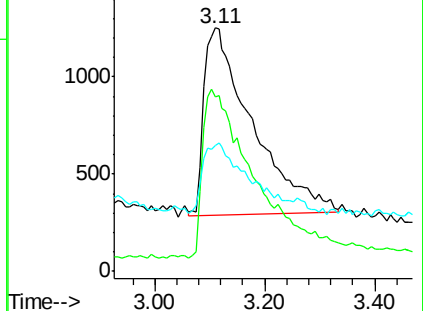
43 38.3 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091166.D (-129) (-)

Ion 58.00 (57.70 to 58.70): BE091166.D (-129) (-)

Ion 43.00 (42.70 to 43.70): BE091166.D (-129) (-)



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 9.63 min Scan# 1083

Delta R.T. -0.02 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

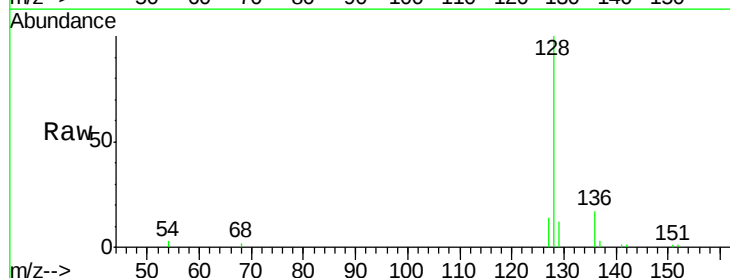
Tgt Ion: 128 Resp: 19399

Ion Ratio Lower Upper

128 100

129 11.6 9.8 14.8

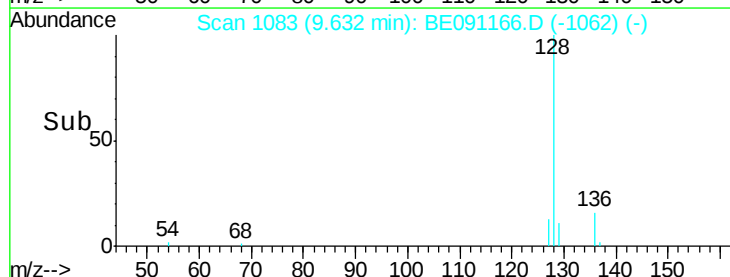
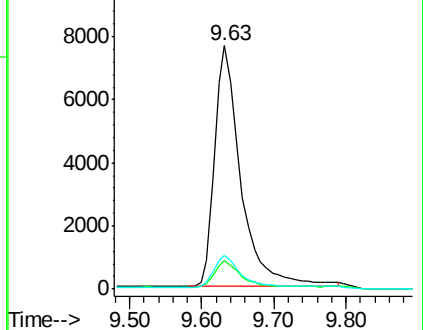
127 13.7 10.7 16.1

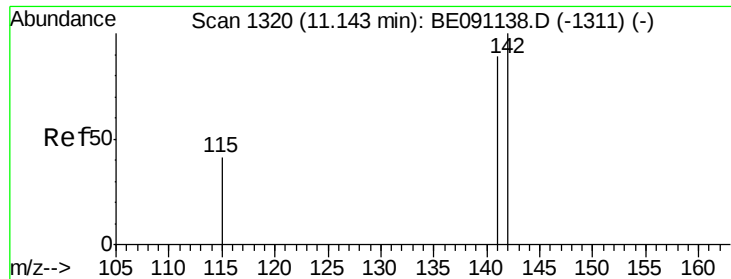


Abundance Ion 128.00 (127.70 to 128.70): BE091166.D (-1062) (-)

Ion 129.00 (128.70 to 129.70): BE091166.D (-1062) (-)

Ion 127.00 (126.70 to 127.70): BE091166.D (-1062) (-)





#7

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 11.16 min Scan# 1398

Delta R.T. -0.03 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

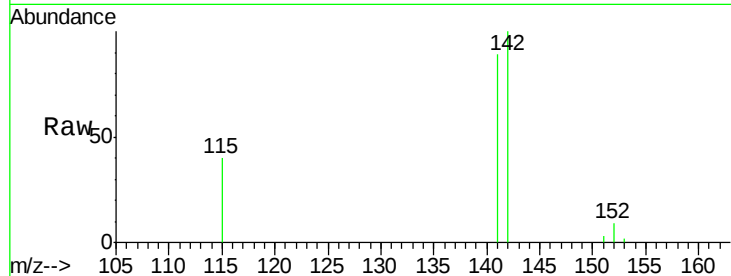
SSTD0.499

Tgt Ion:142 Resp: 12332

Ion Ratio Lower Upper

142 100

141 98.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.16

5000

4000

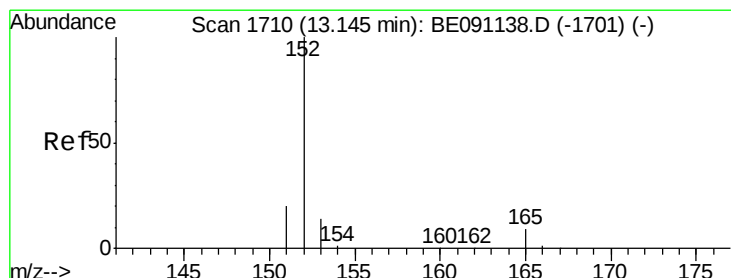
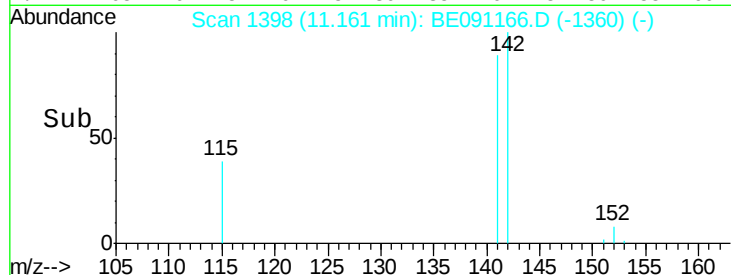
3000

2000

1000

0

Time--> 11.10 11.20



#9

Acenaphthylene

Concen: 0.37 ng/ul

RT: 13.14 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

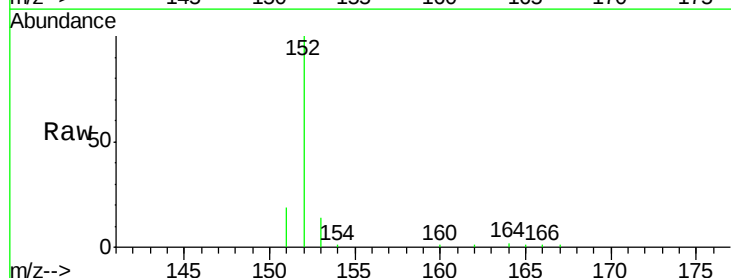
Tgt Ion:152 Resp: 21494

Ion Ratio Lower Upper

152 100

151 19.5 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

13.14

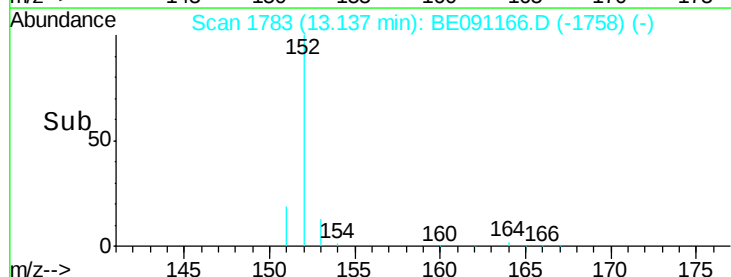
15000

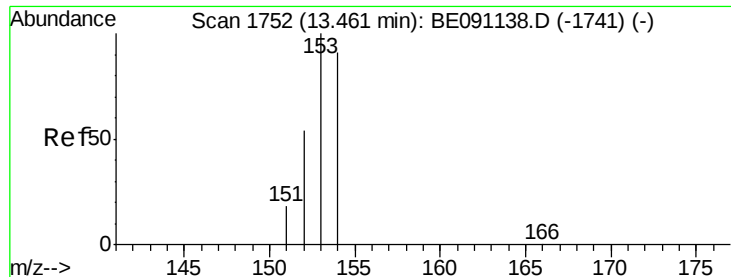
10000

5000

0

Time--> 13.00 13.20





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.45 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

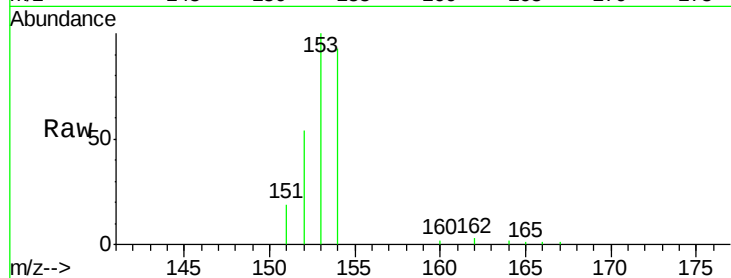
Tgt Ion:153 Resp: 15147

Ion Ratio Lower Upper

153 100

152 54.3 42.3 63.5

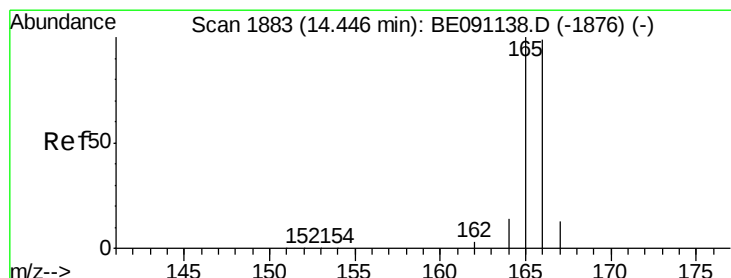
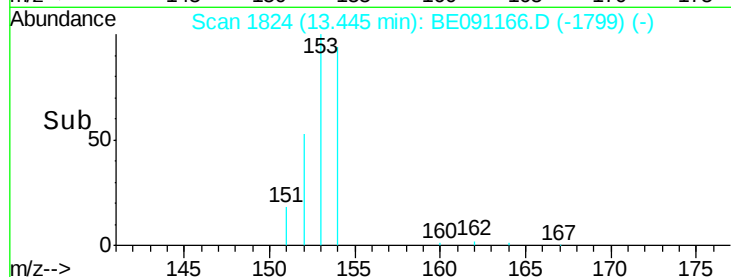
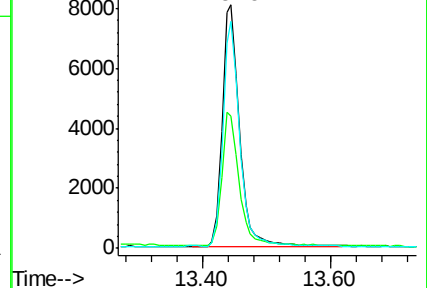
154 93.3 64.7 97.1



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: 0.37 ng/ul

RT: 14.43 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

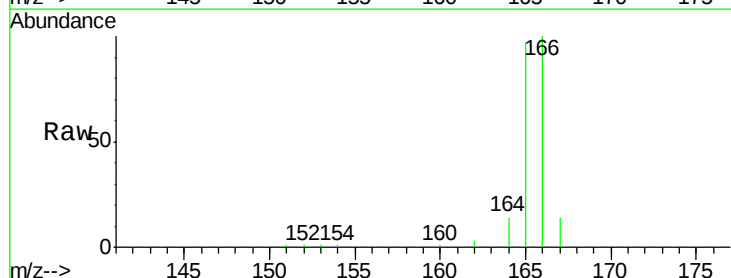
Tgt Ion:166 Resp: 18920

Ion Ratio Lower Upper

166 100

165 97.4 87.6 131.4

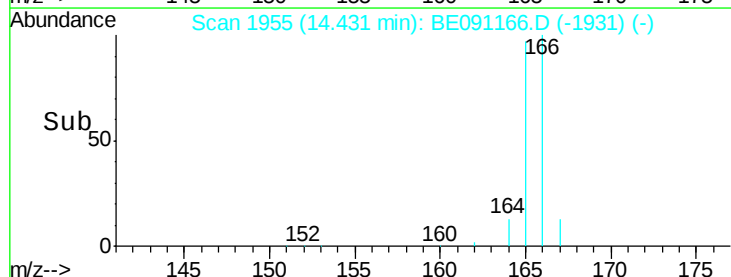
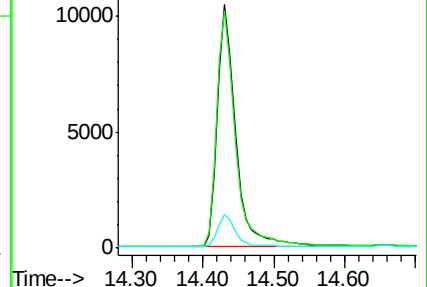
167 13.8 11.1 16.7

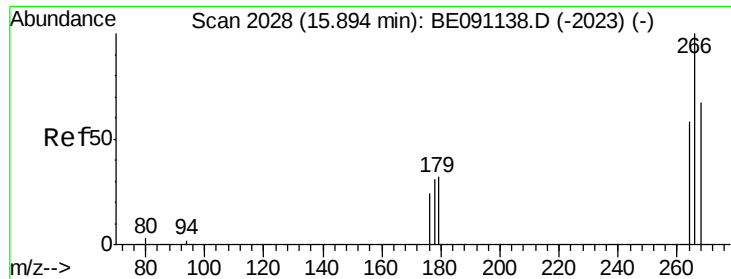


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

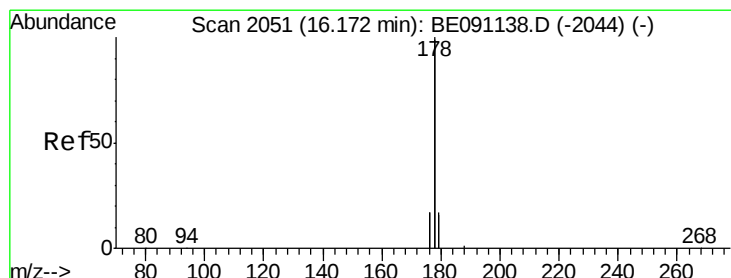
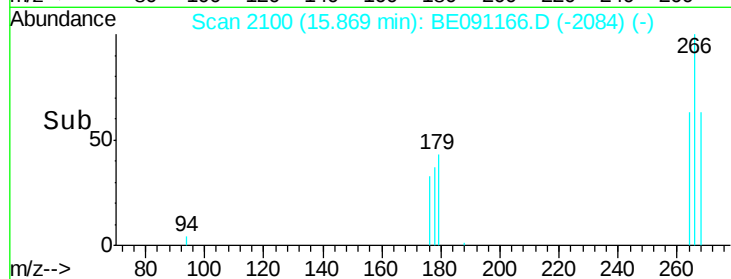
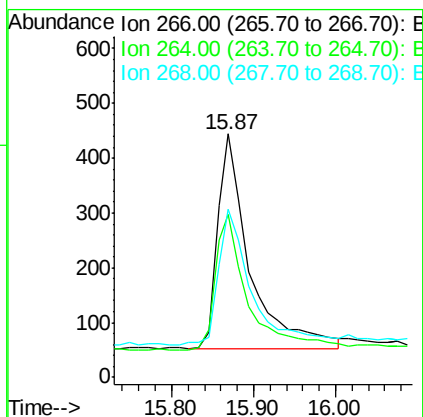
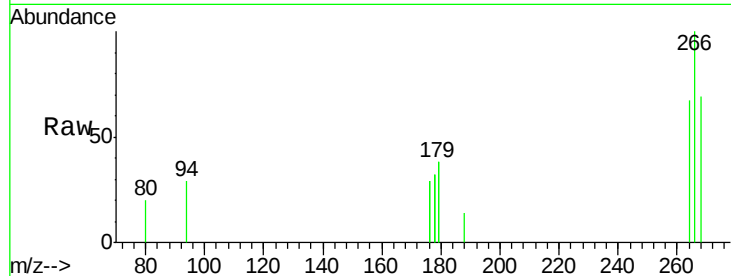




#13
 Pentachlorophenol
 Concen: 0.37 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. -0.01 min
 Lab File: BE091166.D
 Acq: 15 Nov 2015 10:45

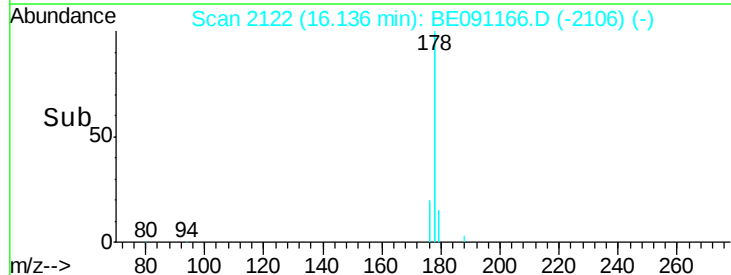
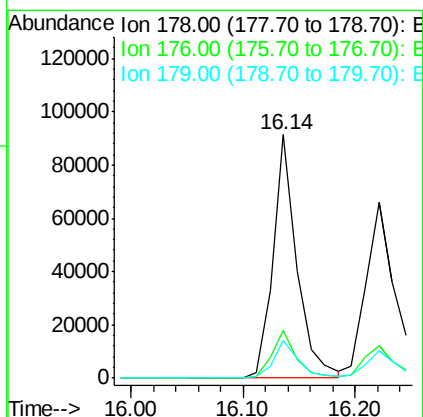
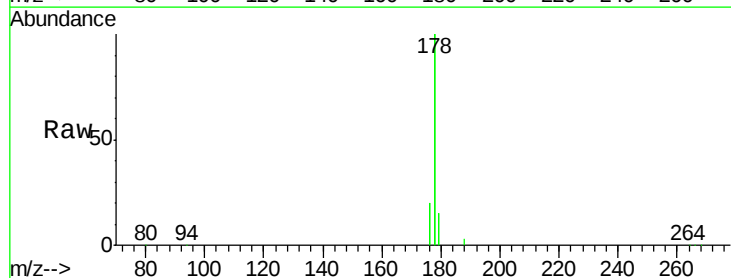
Instrument :
 BNA_E
 ClientSampleId :
 SST0.499

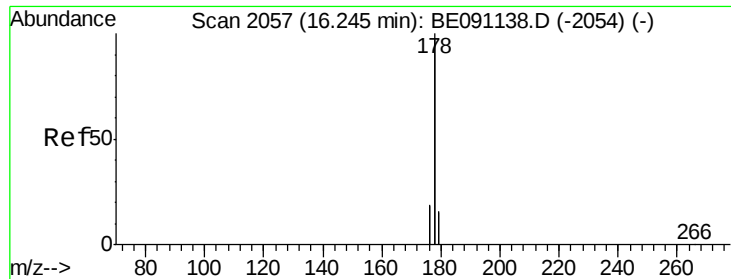
Tgt Ion: 266 Resp: 1069
 Ion Ratio Lower Upper
 266 100
 264 64.4 53.5 80.3
 268 65.9 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.14 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE091166.D
 Acq: 15 Nov 2015 10:45

Tgt Ion: 178 Resp: 133117
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.2 12.8 19.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 16.22 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

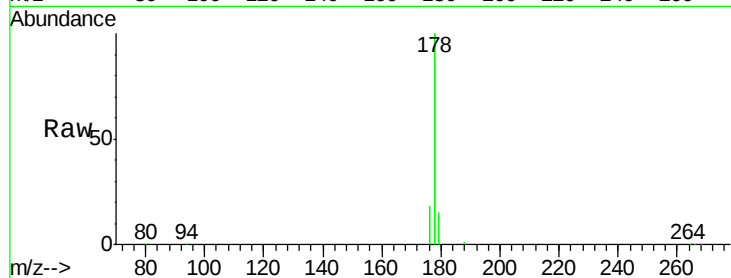
Tgt Ion:178 Resp: 125993

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

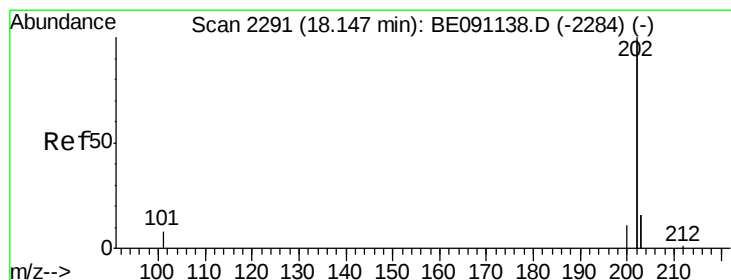
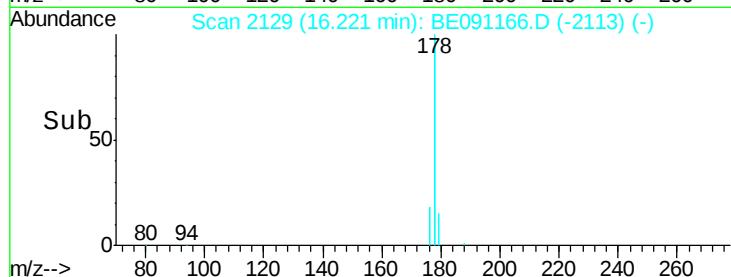
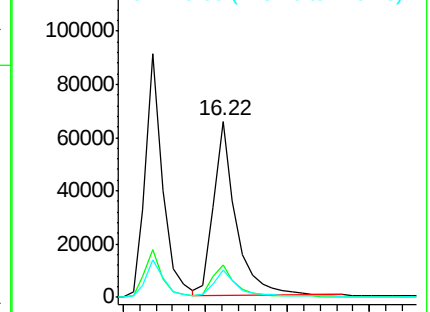
179 15.4 13.3 19.9



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: 18.11 min Scan# 2359

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

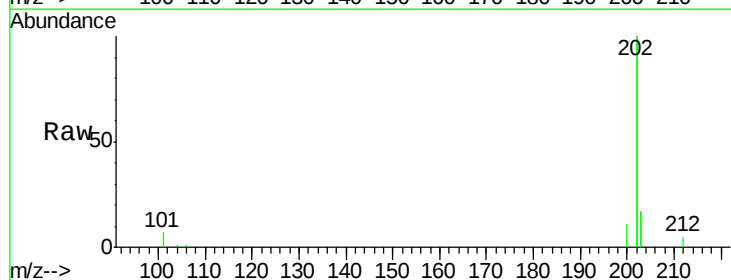
Tgt Ion:202 Resp: 165404

Ion Ratio Lower Upper

202 100

101 3.7 0.0 33.1

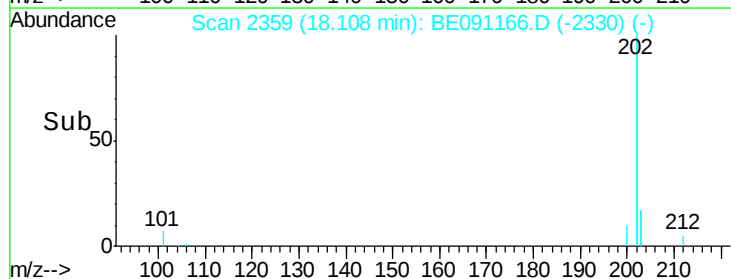
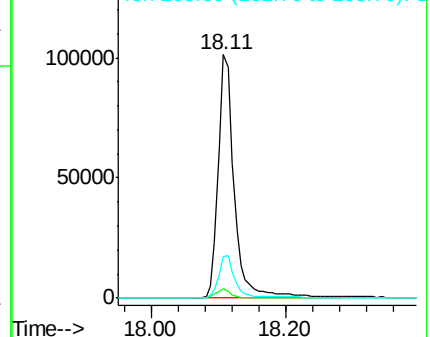
203 17.0 0.0 37.2

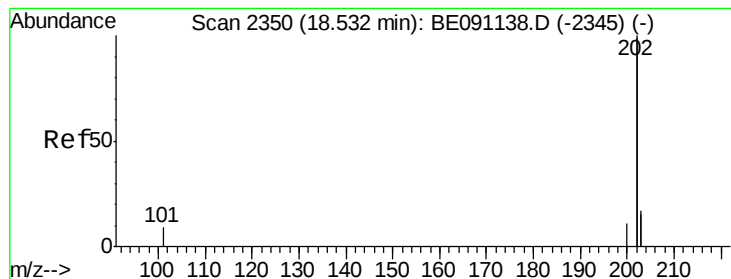


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.49 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

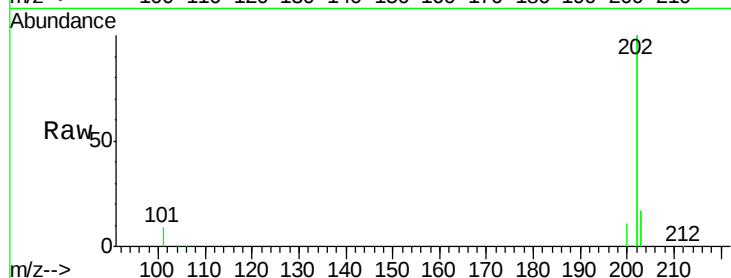
Tgt Ion:202 Resp: 158499

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

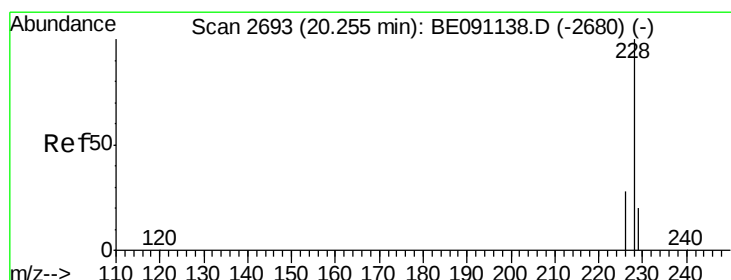
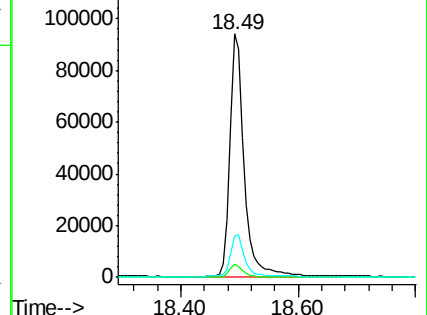
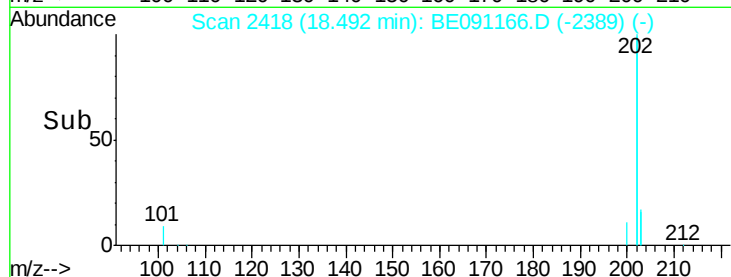
203 17.0 13.8 20.6



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



#20

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 20.21 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

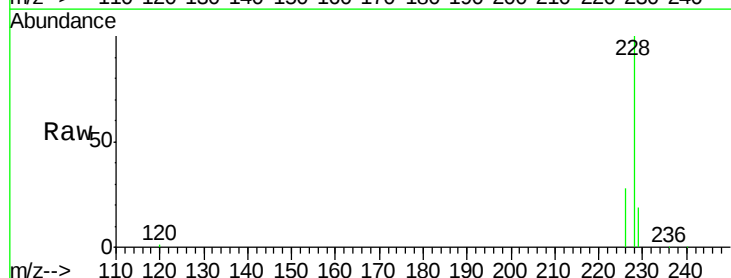
Tgt Ion:228 Resp: 35412

Ion Ratio Lower Upper

228 100

226 27.7 23.0 34.4

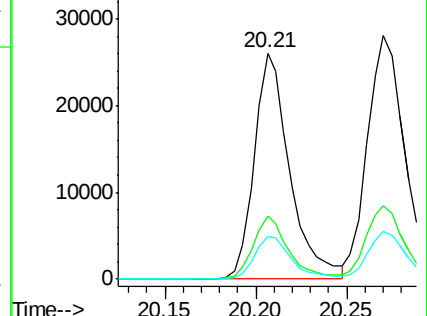
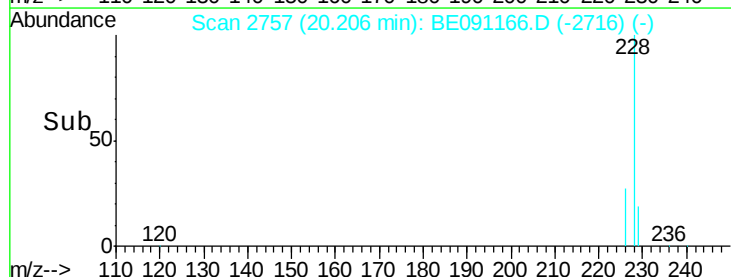
229 18.8 15.2 22.8

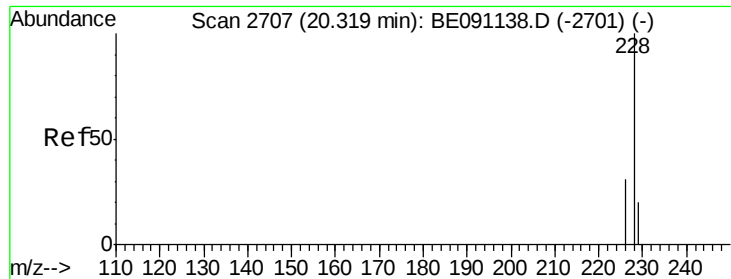


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/ul

RT: 20.27 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

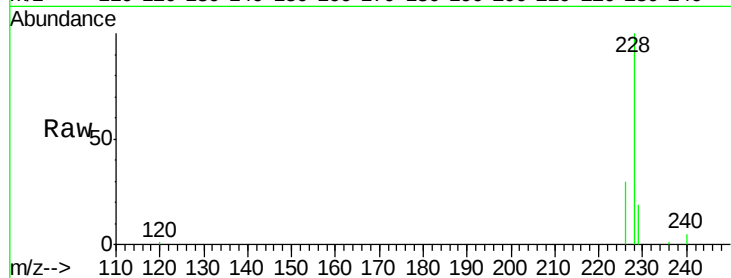
Tgt Ion:228 Resp: 42399

Ion Ratio Lower Upper

228 100

226 30.4 25.7 38.5

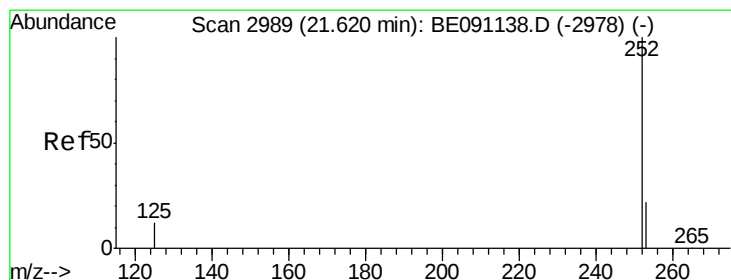
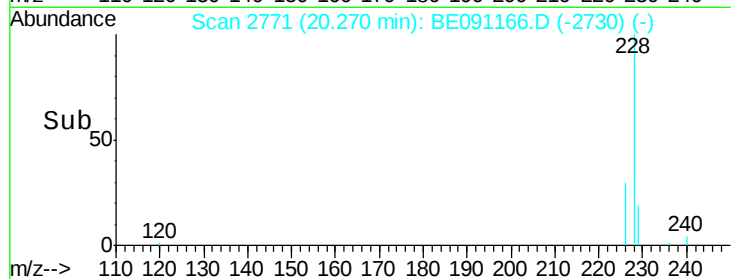
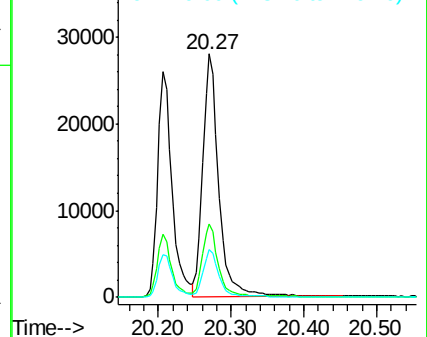
229 19.4 15.2 22.8



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: 0.38 ng/ul

RT: 21.57 min Scan# 3052

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

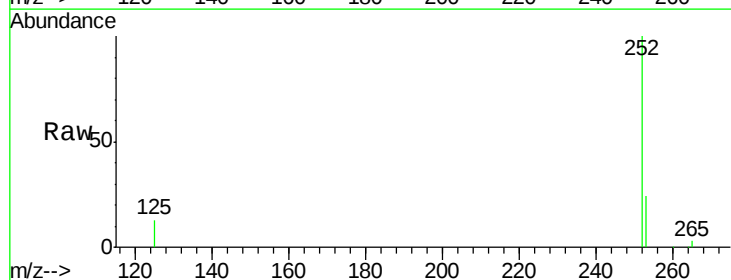
Tgt Ion:252 Resp: 38834

Ion Ratio Lower Upper

252 100

253 23.6 0.0 48.0

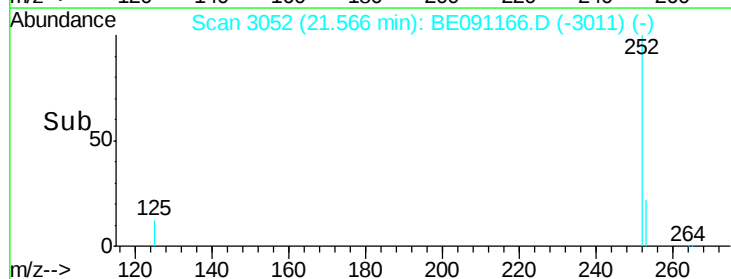
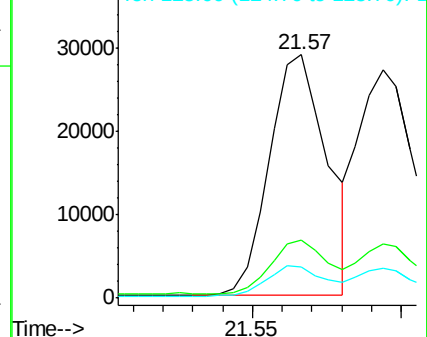
125 12.8 0.0 36.6

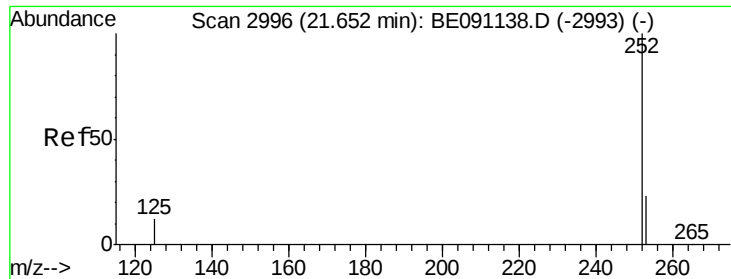


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 21.59 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

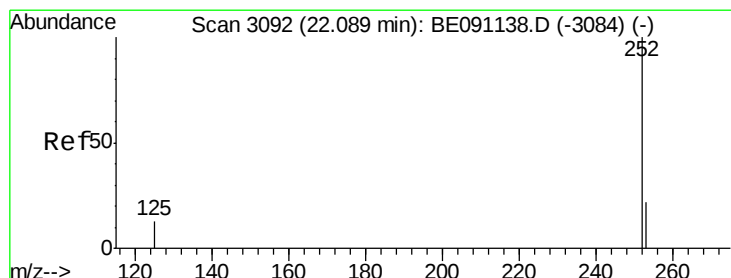
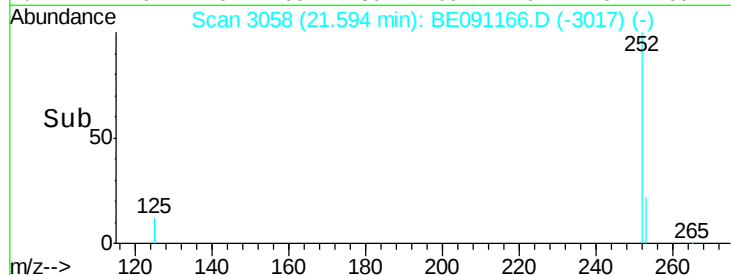
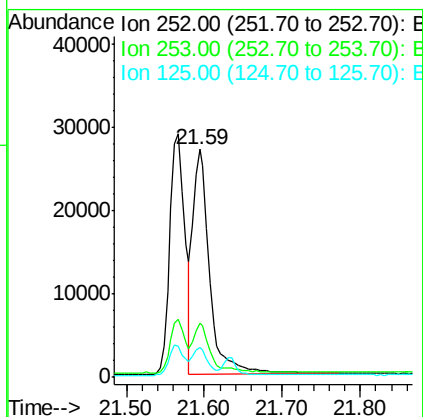
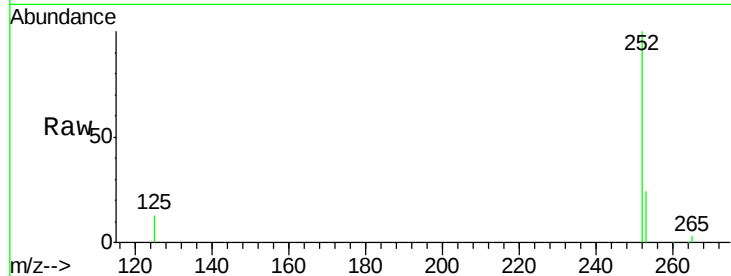
Tgt Ion:252 Resp: 40587

Ion Ratio Lower Upper

252 100

253 23.6 20.8 31.2

125 13.0 12.2 18.4



#25

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 22.03 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

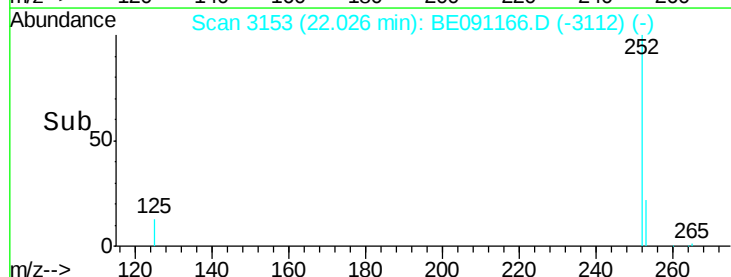
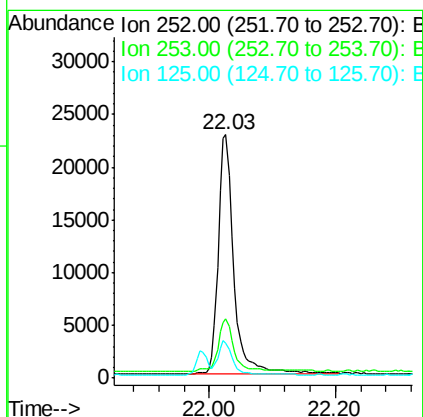
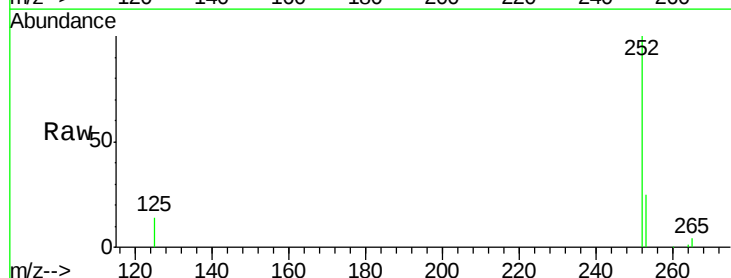
Tgt Ion:252 Resp: 38898

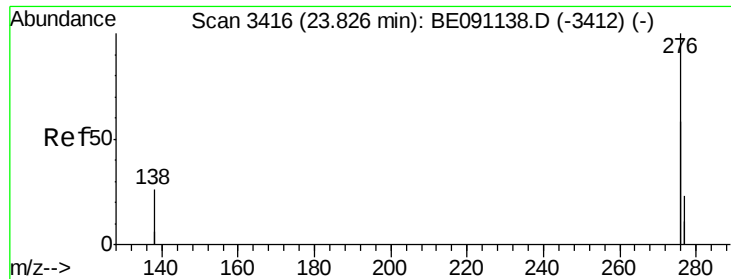
Ion Ratio Lower Upper

252 100

253 24.5 21.8 32.8

125 14.4 14.5 21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng/ul

RT: 23.72 min Scan# 3475

Delta R.T. -0.02 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499

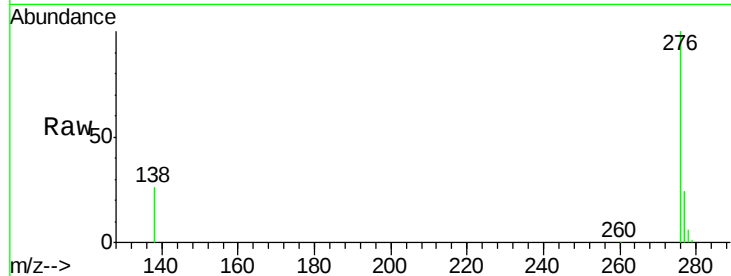
Tgt Ion:276 Resp: 151366

Ion Ratio Lower Upper

276 100

138 24.4 27.5 41.3#

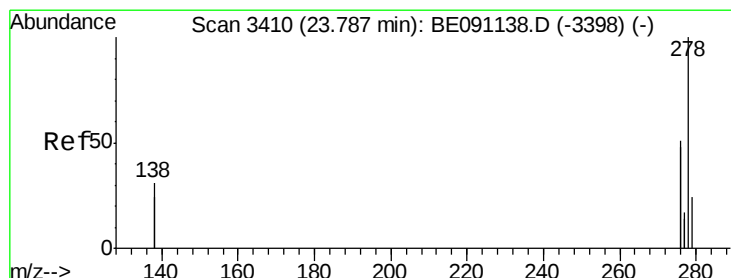
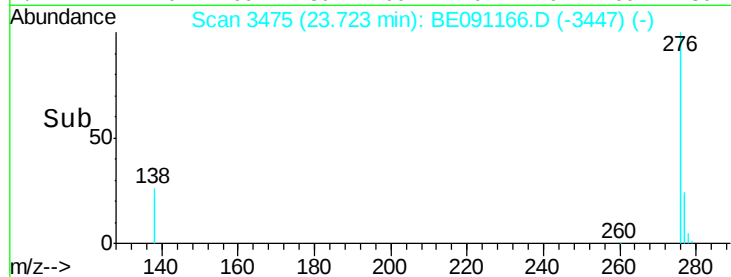
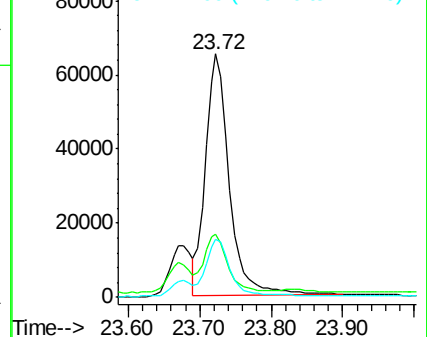
277 24.0 19.3 28.9



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: 0.39 ng/ul

RT: 23.68 min Scan# 3468

Delta R.T. -0.02 min

Lab File: BE091166.D

Acq: 15 Nov 2015 10:45

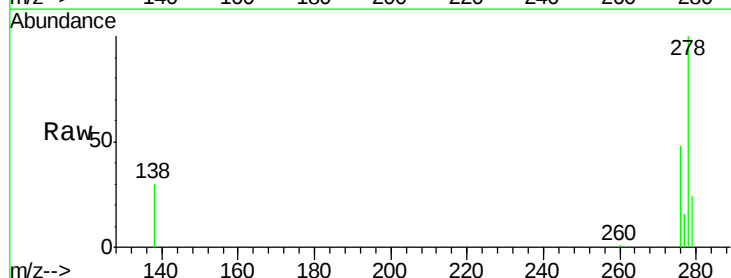
Tgt Ion:278 Resp: 37234

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

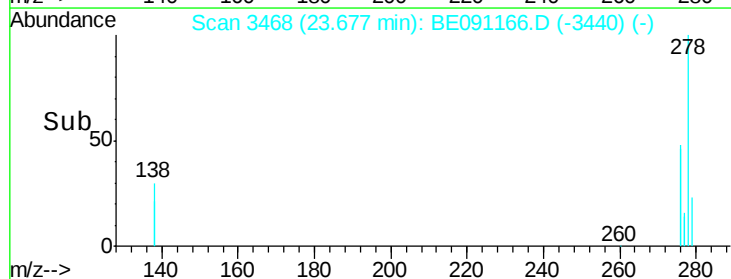
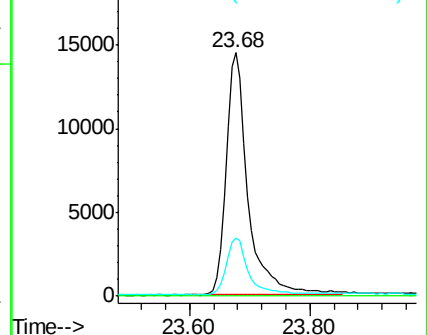
279 24.0 21.9 32.9

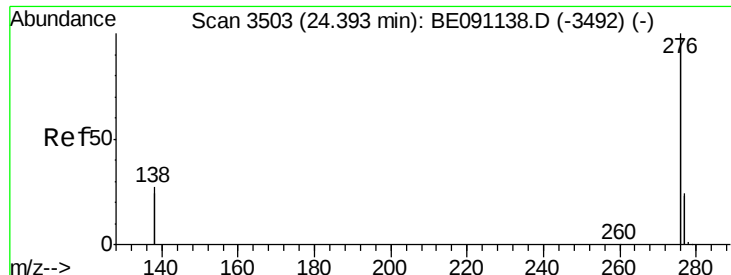


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.39 ng/ul

RT: 24.28 min Scan# 3561

Delta R.T. -0.02 min

Lab File: BE091166.D

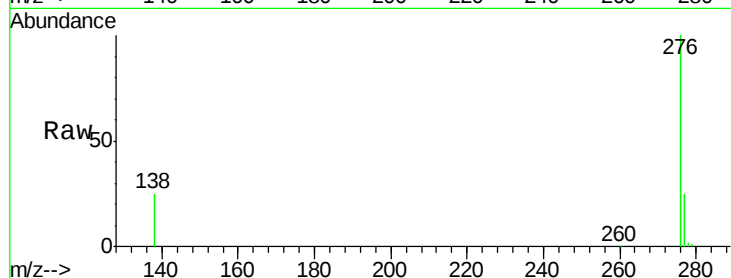
Acq: 15 Nov 2015 10:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.499



Tgt Ion: 276 Resp: 161287

Ion Ratio Lower Upper

276 100

277 25.0 21.3 31.9

138 25.4 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

