

Data Path : Z:\HPCHEM1\BNA_E\Data\BE111315\
 Data File : BE091151.D
 Acq On : 13 Nov 2015 21:21
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.497

Quant Time: Nov 14 02:49:12 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 02:47:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	4042	0.40	ng/ul	0.00
4) Naphthalene-d8	9.61	136	19157	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	10337	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.11	188	27450	0.40	ng/ul	0.00
18) Chrysene-d12	20.25	240	35987	0.40	ng/ul	0.00
22) Perylene-d12	22.14	264	34924	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	4729	1.63	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.12	152	9926	0.38	ng/ul	0.00
16) Fluoranthene-d10	18.10	212	30309	0.39	ng/ul	0.00

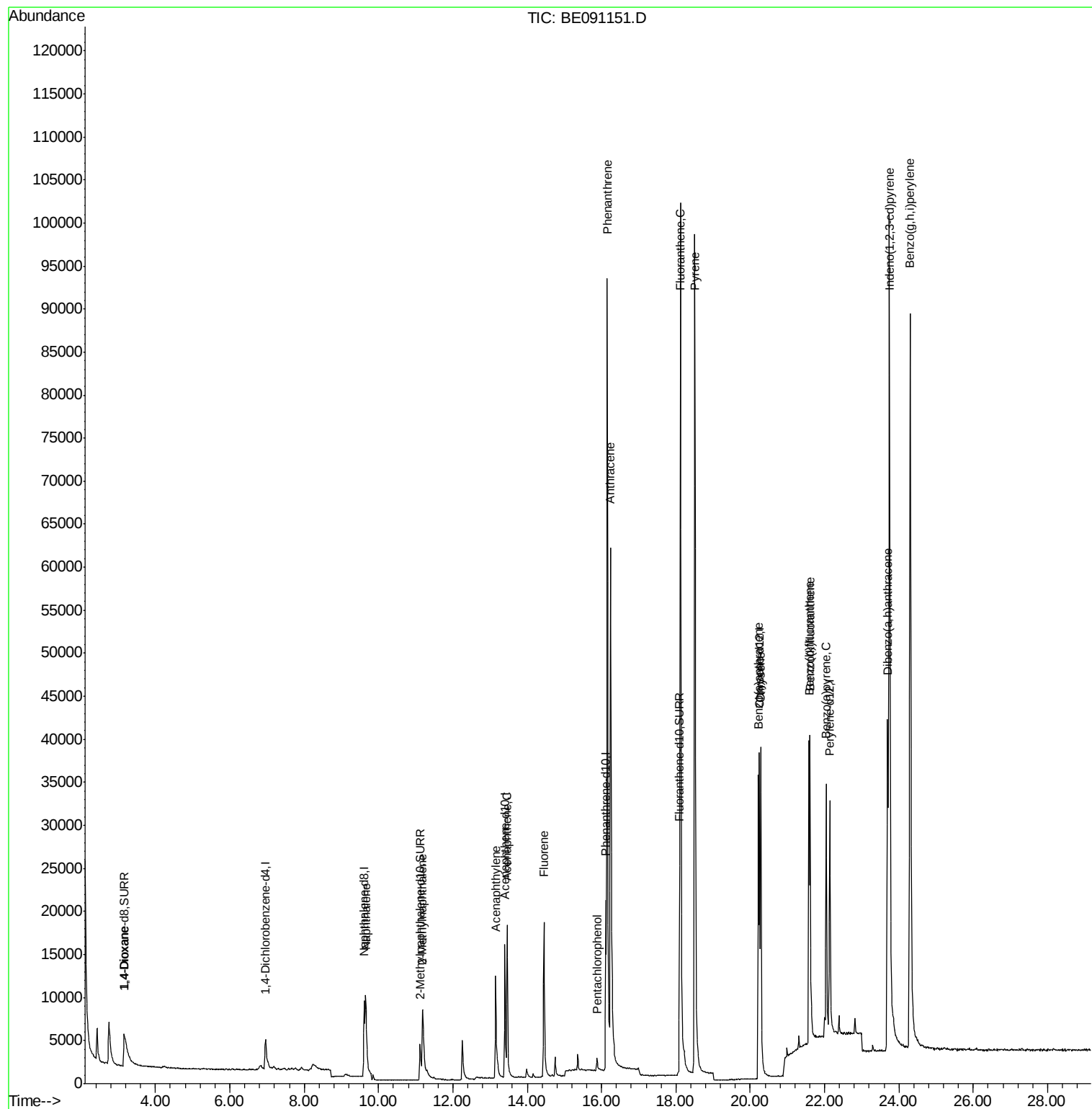
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	5343	1.63	ng/ul#	71
5) Naphthalene	9.65	128	20303	0.43	ng/ul	99
7) 2-Methylnaphthalene	11.19	142	11043	0.36	ng/ul	87
9) Acenaphthylene	13.15	152	18610	0.36	ng/ul	97
10) Acenaphthene	13.46	153	13526	0.38	ng/ul	93
11) Fluorene	14.45	166	16392	0.36	ng/ul	89
13) Pentachlorophenol	15.88	266	1417	0.54	ng/ul	95
14) Phenanthrene	16.15	178	113098	0.36	ng/ul	98
15) Anthracene	16.23	178	106889	0.37	ng/ul	98
17) Fluoranthene	18.12	202	143677	0.39	ng/ul	89
19) Pyrene	18.51	202	145843	0.36	ng/ul#	80
20) Benzo(a)anthracene	20.22	228	34757	0.38	ng/ul	97
21) Chrysene	20.28	228	42283	0.40	ng/ul	96
23) Benzo(b)fluoranthene	21.58	252	37922	0.35	ng/ul	92
24) Benzo(k)fluoranthene	21.61	252	43798	0.39	ng/ul	99
25) Benzo(a)pyrene	22.04	252	39487	0.39	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	23.74	276	156998	0.37	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.70	278	38039	0.38	ng/ul#	72
28) Benzo(g,h,i)perylene	24.30	276	165788	0.37	ng/ul	97

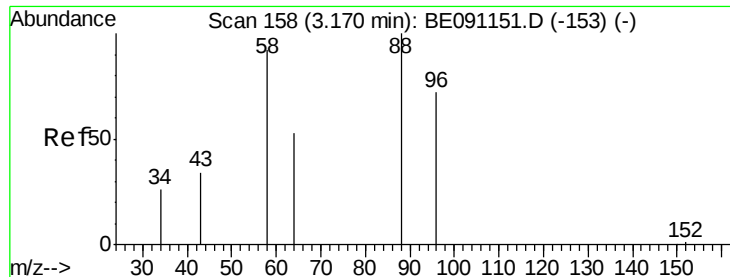
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.63 ng/ul

RT: 3.17 min Scan# 158

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

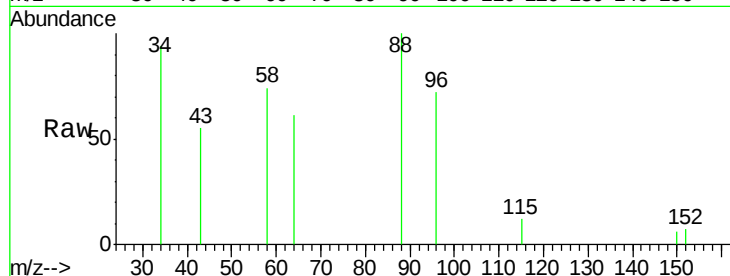
Tgt Ion: 88 Resp: 5343

Ion Ratio Lower Upper

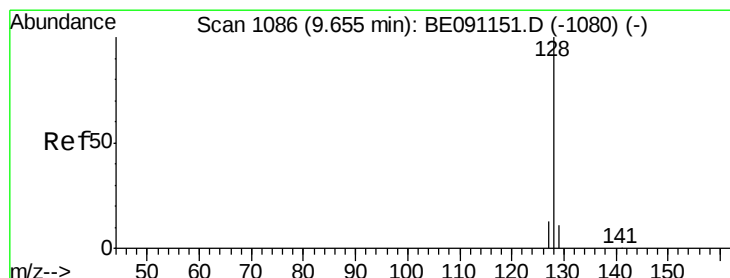
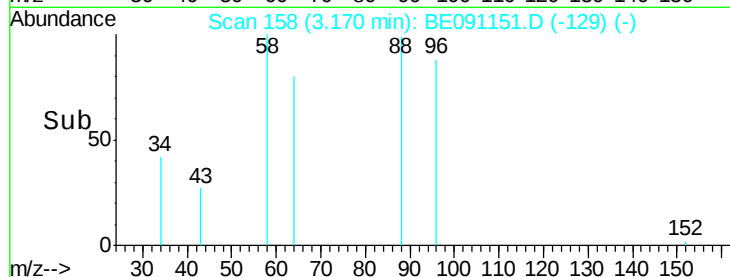
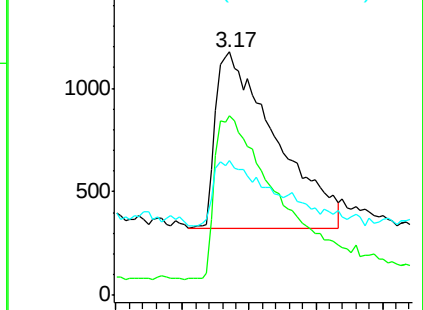
88 100

58 98.6 55.4 83.2#

43 37.9 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 9.65 min Scan# 1086

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

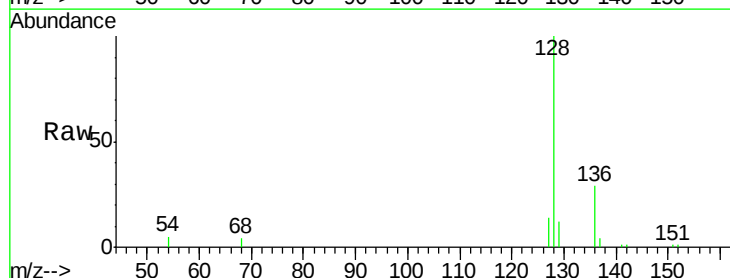
Tgt Ion: 128 Resp: 20303

Ion Ratio Lower Upper

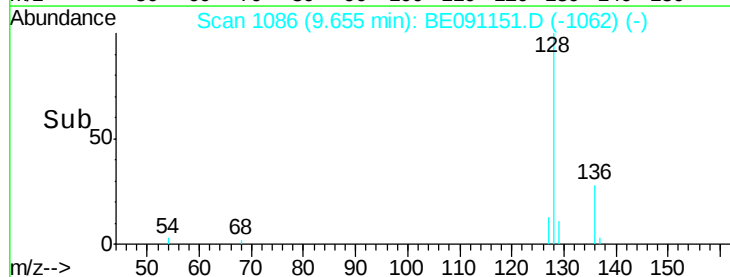
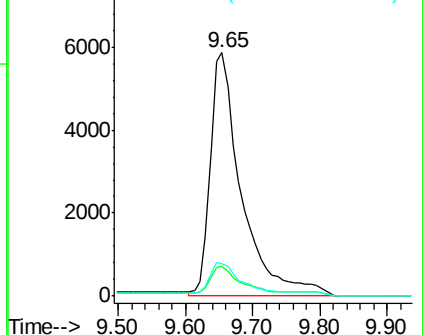
128 100

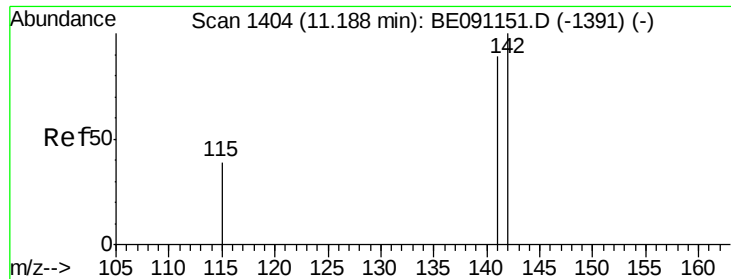
129 12.0 9.8 14.8

127 13.5 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 11.19 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

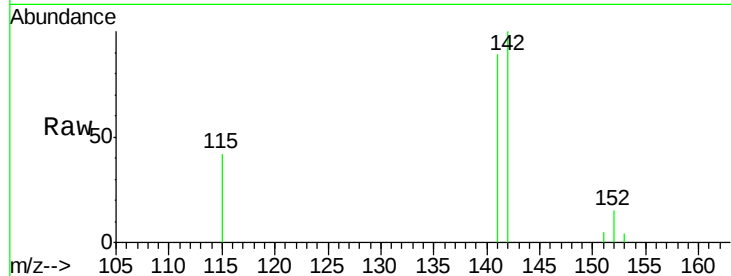
SSTD0.497

Tgt Ion:142 Resp: 11043

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.19

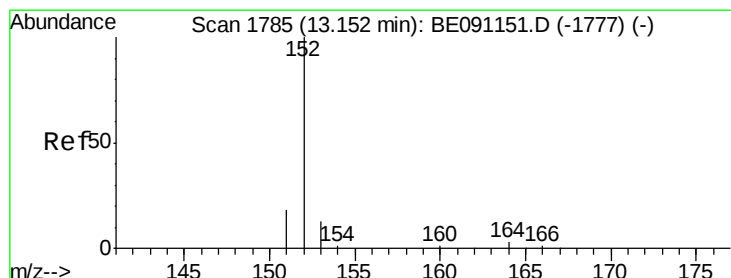
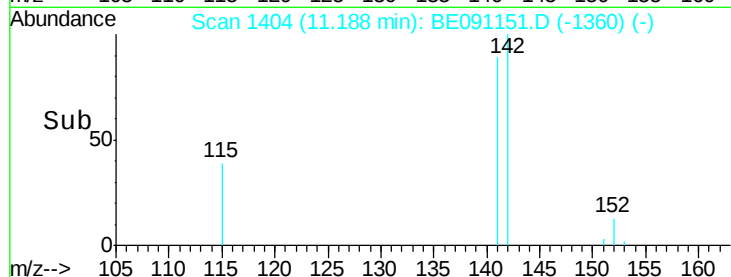
3000

2000

1000

0

Time--> 11.10 11.20 11.30



#9

Acenaphthylene

Concen: 0.36 ng/ul

RT: 13.15 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

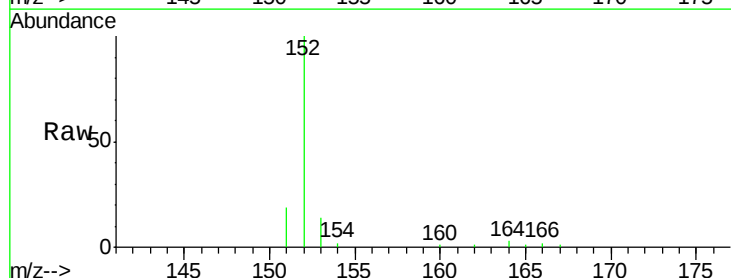
Tgt Ion:152 Resp: 18610

Ion Ratio Lower Upper

152 100

151 19.1 16.8 25.2

153 13.7 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

13.15

12000

10000

8000

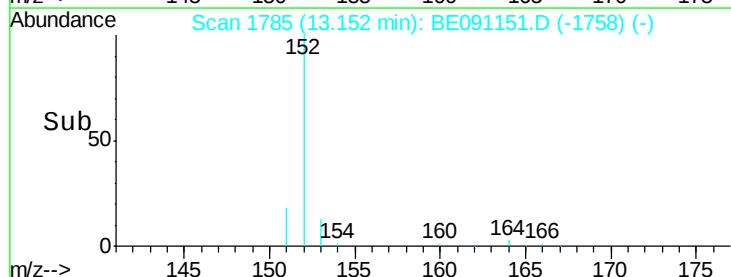
6000

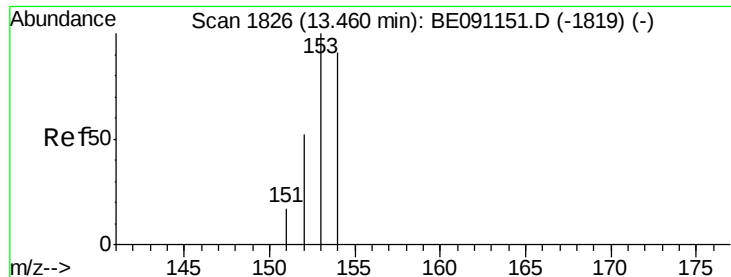
4000

2000

0

Time--> 13.00 13.20 13.40





#10

Acenaphthene

Concen: 0.38 ng/ul

RT: 13.46 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

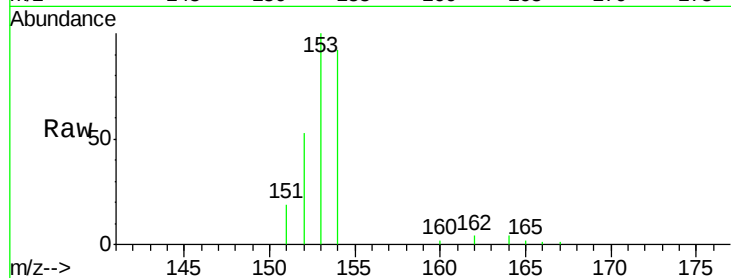
Tgt Ion:153 Resp: 13526

Ion Ratio Lower Upper

153 100

152 52.8 42.3 63.5

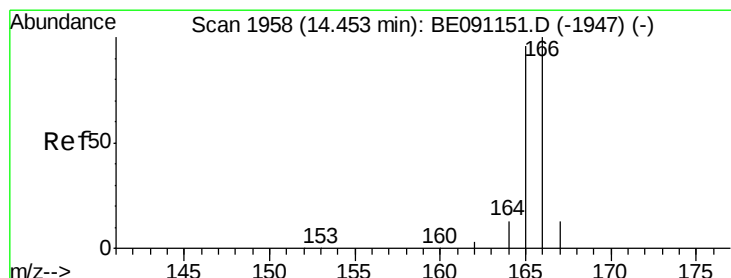
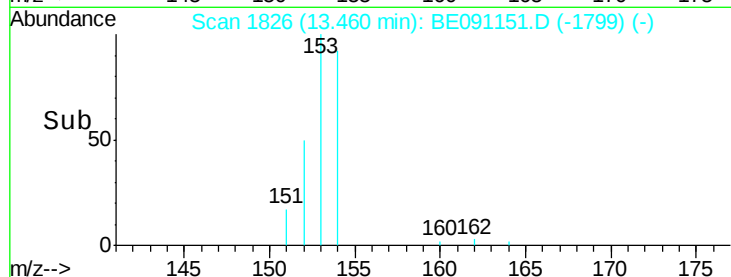
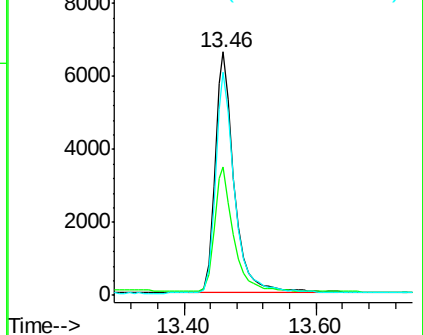
154 91.7 64.7 97.1



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# 1958

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

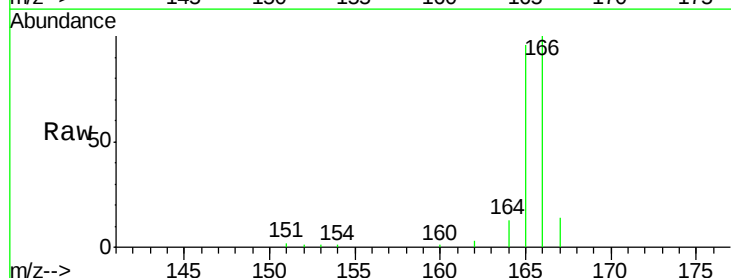
Tgt Ion:166 Resp: 16392

Ion Ratio Lower Upper

166 100

165 96.2 87.6 131.4

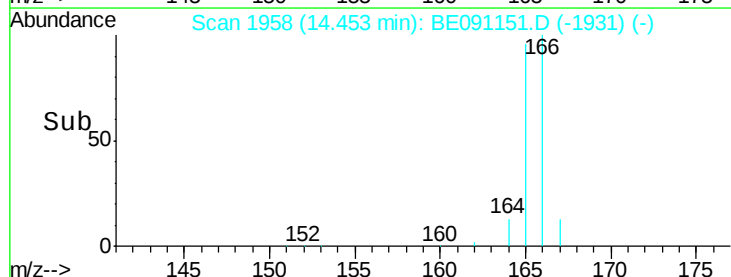
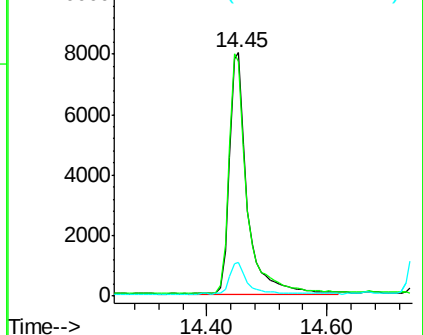
167 14.0 11.1 16.7

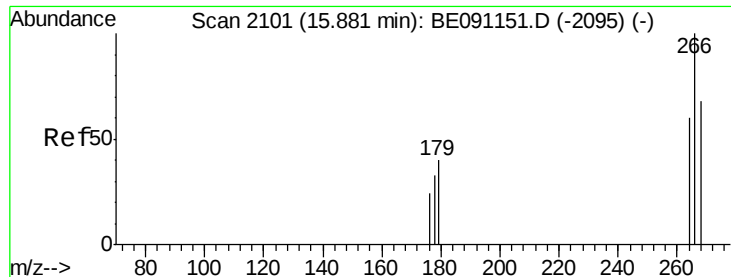


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

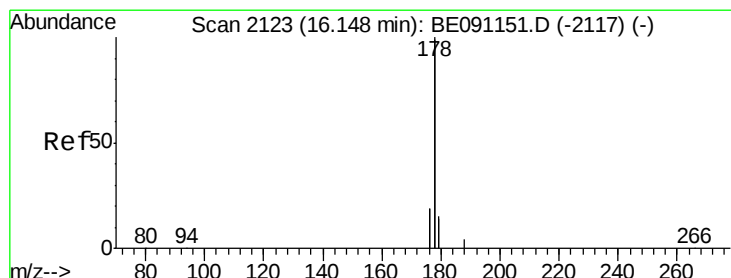
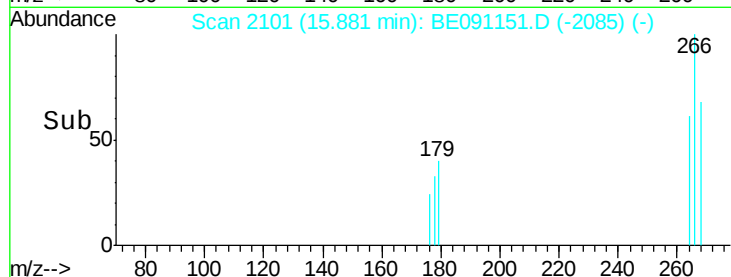
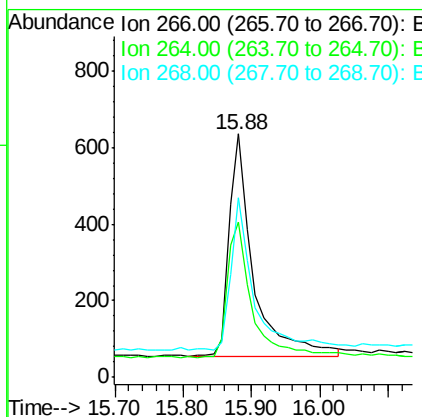
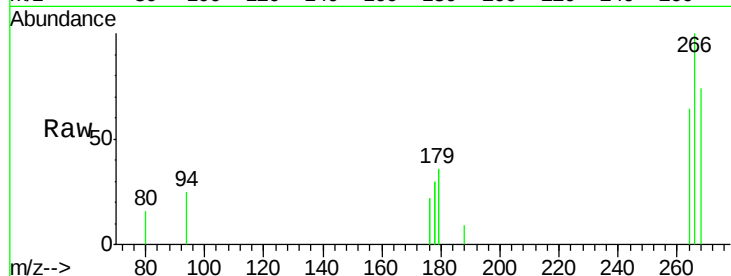




#13
 Pentachlorophenol
 Concen: 0.54 ng/ul
 RT: 15.88 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BE091151.D
 Acq: 13 Nov 2015 21:21

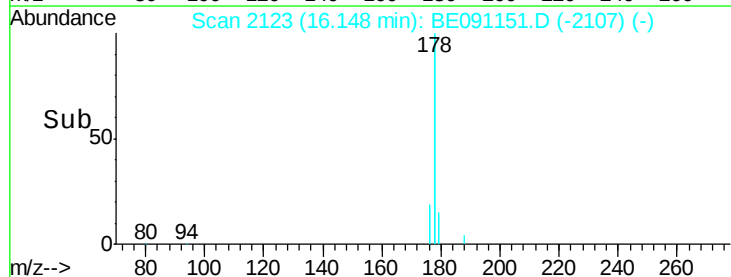
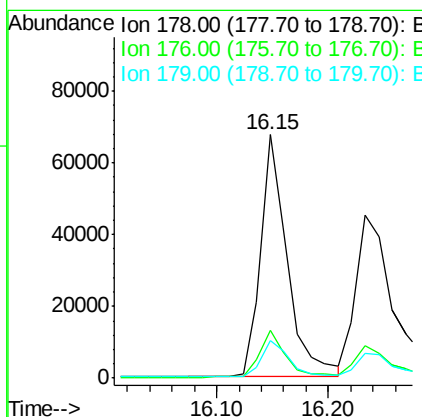
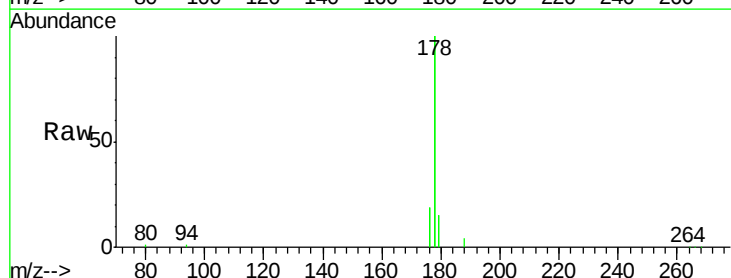
Instrument :
 BNA_E
 ClientSampleId :
 SST0.497

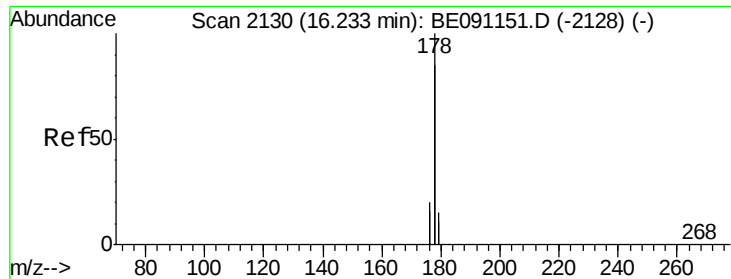
Tgt Ion: 266 Resp: 1417
 Ion Ratio Lower Upper
 266 100
 264 62.3 53.5 80.3
 268 64.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.36 ng/ul
 RT: 16.15 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: BE091151.D
 Acq: 13 Nov 2015 21:21

Tgt Ion: 178 Resp: 113098
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 15.3 12.8 19.2





#15

Anthracene

Concen: 0.37 ng/ul

RT: 16.23 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

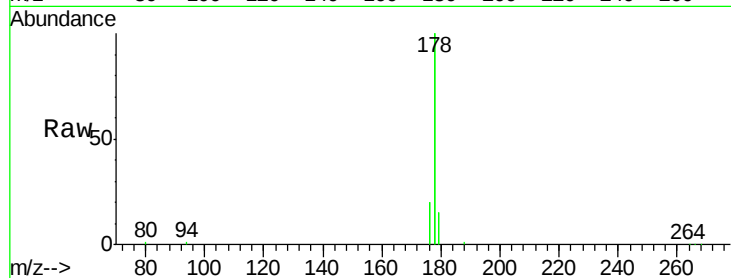
Tgt Ion:178 Resp: 106889

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

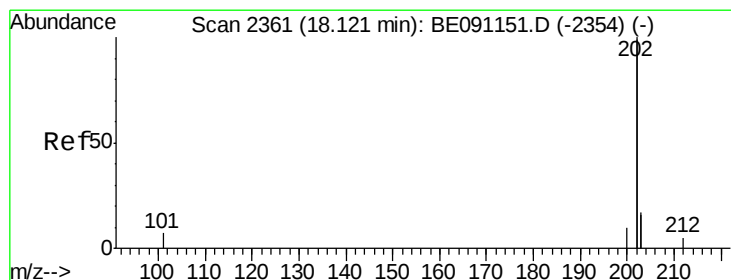
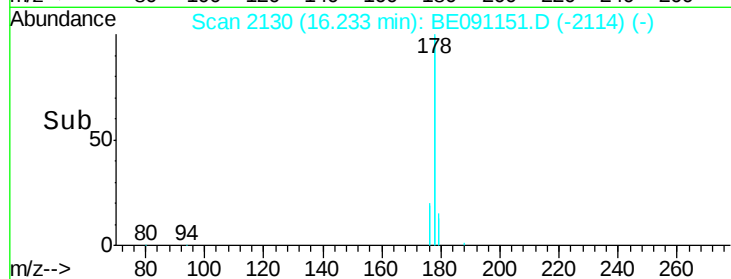
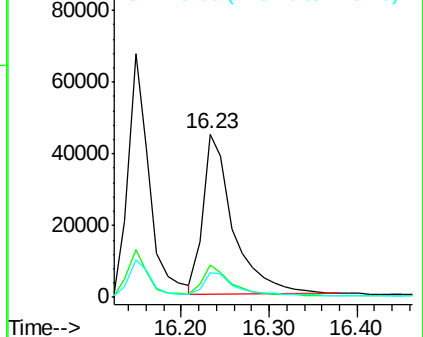
179 15.2 13.3 19.9



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: 0.39 ng/ul

RT: 18.12 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

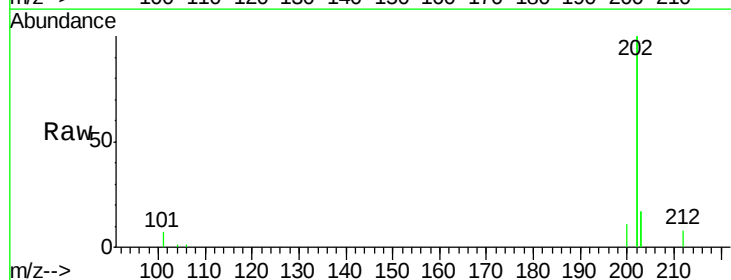
Tgt Ion:202 Resp: 143677

Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

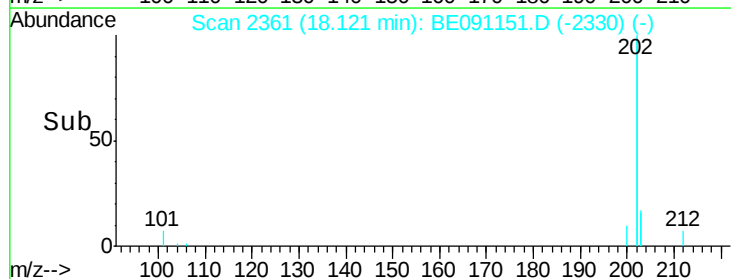
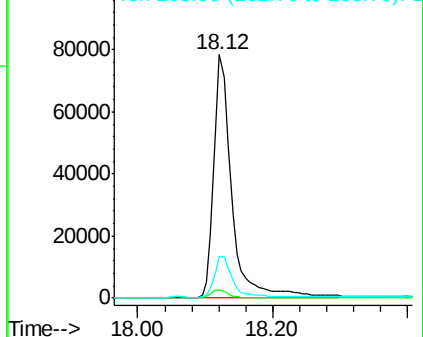
203 16.8 0.0 37.2

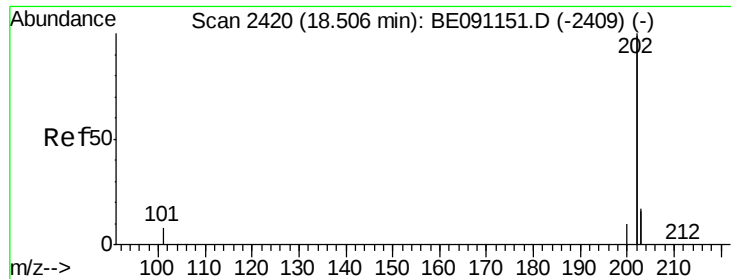


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.36 ng/ul

RT: 18.51 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

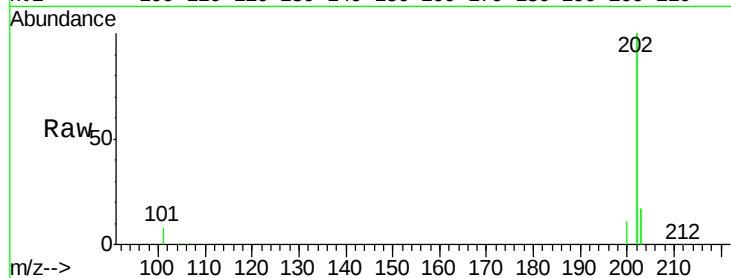
Tgt Ion:202 Resp: 145843

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

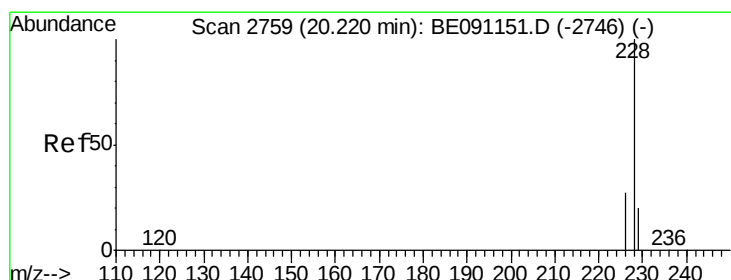
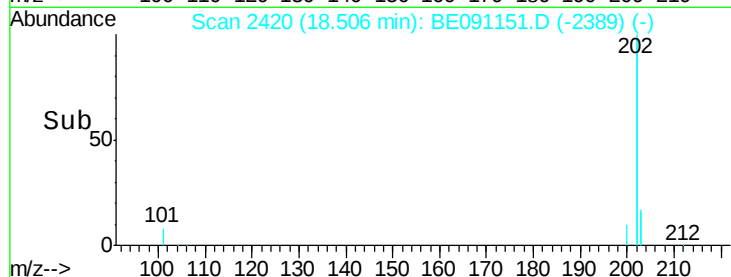
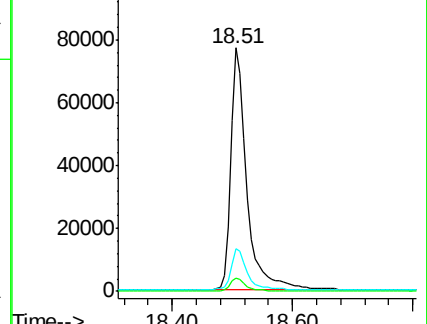
203 17.3 13.8 20.6



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



#20

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 20.22 min Scan# 2759

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

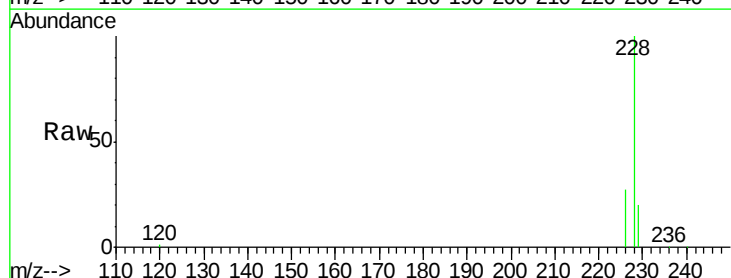
Tgt Ion:228 Resp: 34757

Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

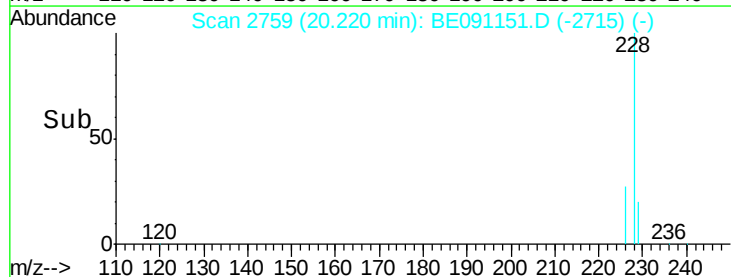
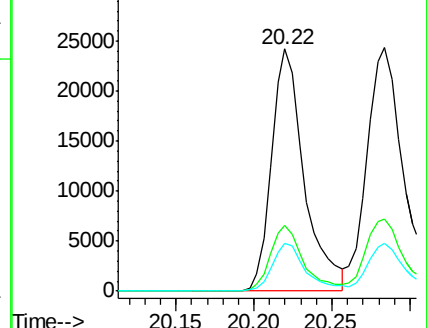
229 19.8 15.2 22.8

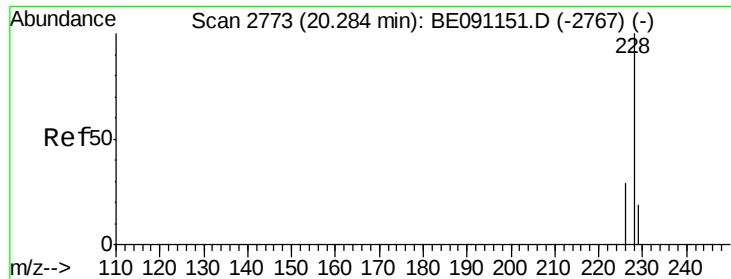


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/ul

RT: 20.28 min Scan# 2773

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

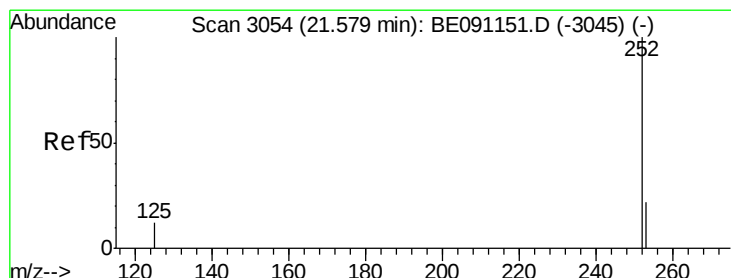
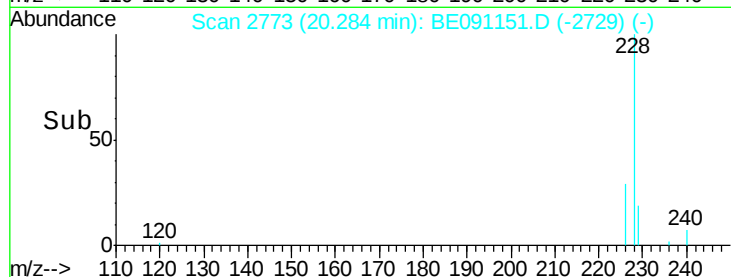
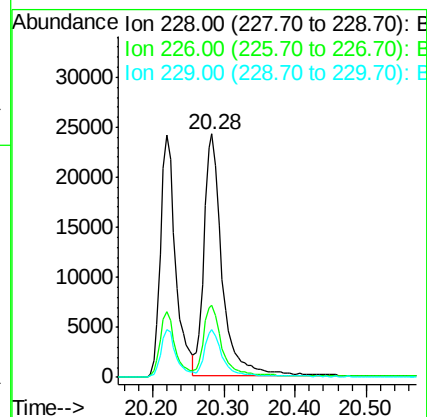
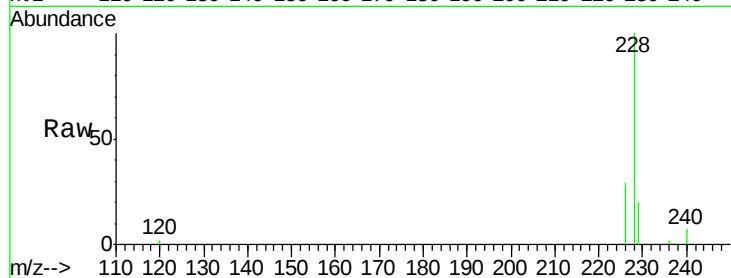
Tgt Ion:228 Resp: 42283

Ion Ratio Lower Upper

228 100

226 29.5 25.7 38.5

229 19.7 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.35 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

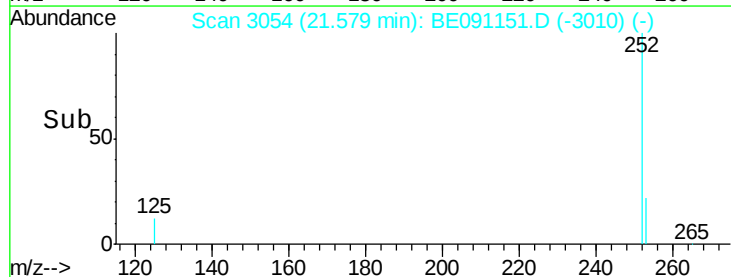
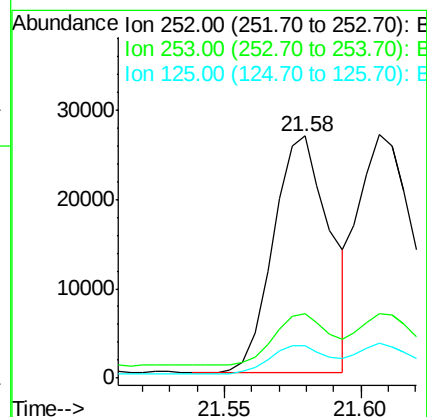
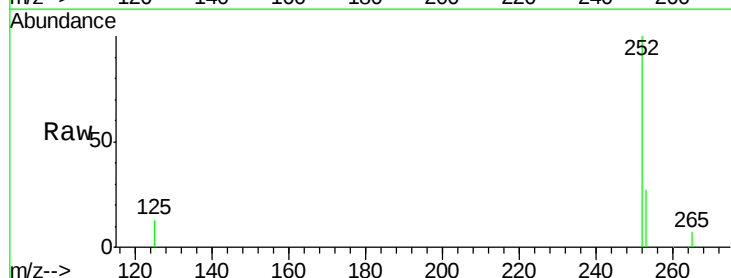
Tgt Ion:252 Resp: 37922

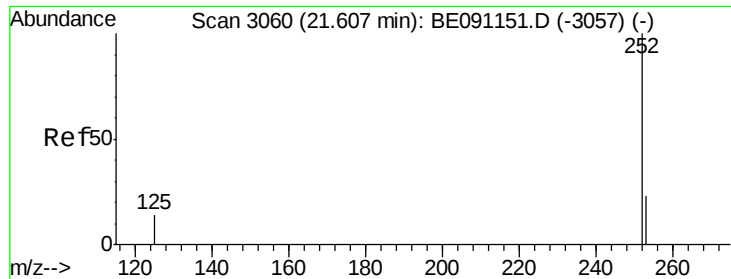
Ion Ratio Lower Upper

252 100

253 26.6 0.0 48.0

125 13.3 0.0 36.6

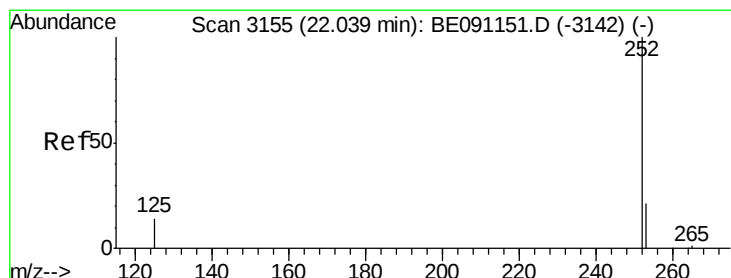
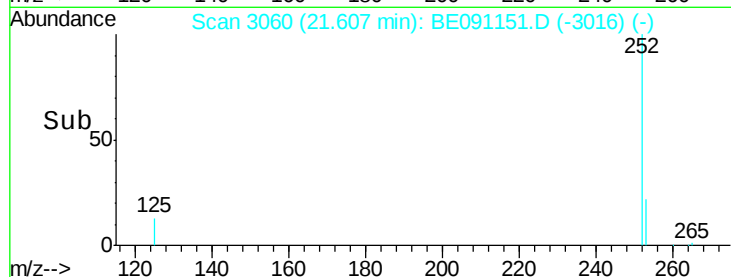
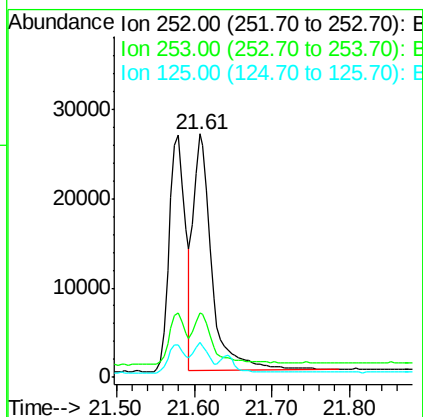
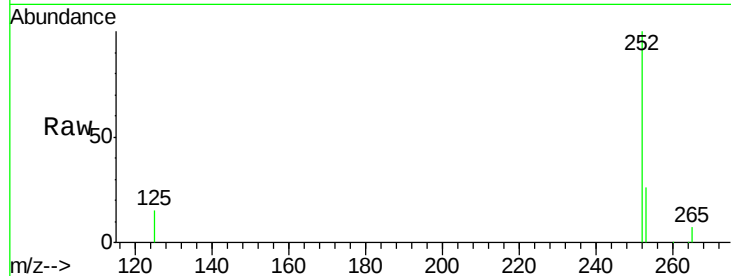




#24
Benzo(k)fluoranthene
Concen: 0.39 ng/ul
RT: 21.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: BE091151.D
Acq: 13 Nov 2015 21:21

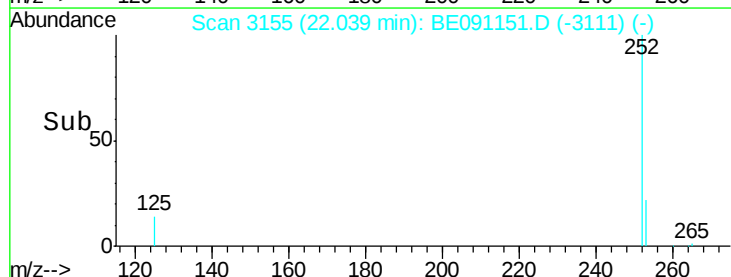
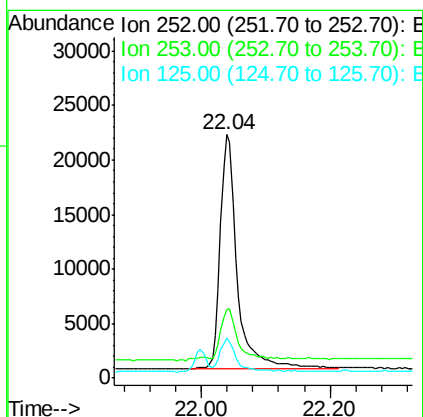
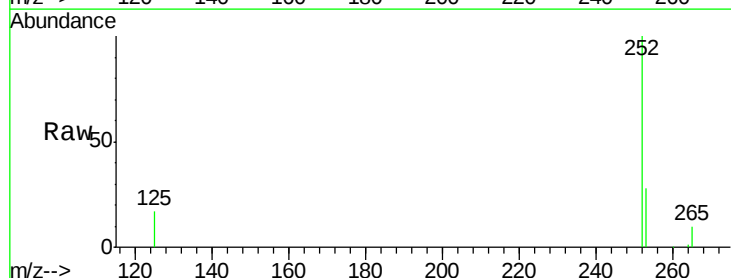
Instrument :
BNA_E
ClientSampleId :
SSTD0.497

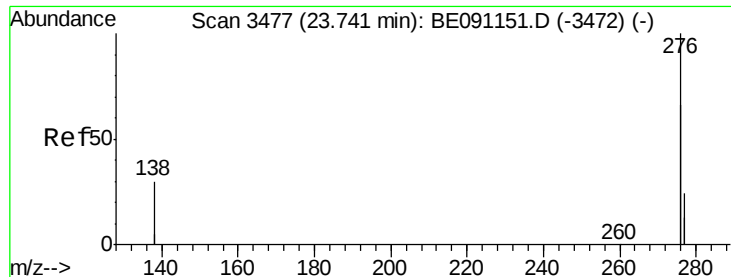
Tgt Ion:252 Resp: 43798
Ion Ratio Lower Upper
252 100
253 26.4 20.8 31.2
125 14.5 12.2 18.4



#25
Benzo(a)pyrene
Concen: 0.39 ng/ul
RT: 22.04 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE091151.D
Acq: 13 Nov 2015 21:21

Tgt Ion:252 Resp: 39487
Ion Ratio Lower Upper
252 100
253 28.1 21.8 32.8
125 16.5 14.5 21.7





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng/ul

RT: 23.74 min Scan# 3477

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497

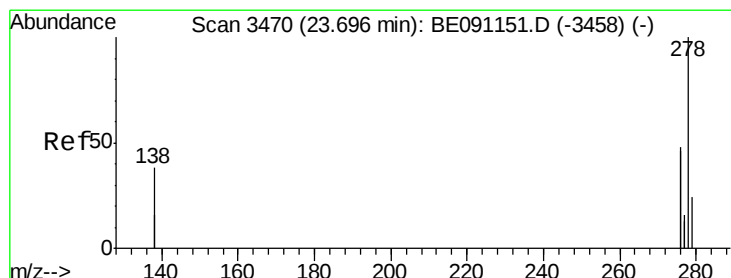
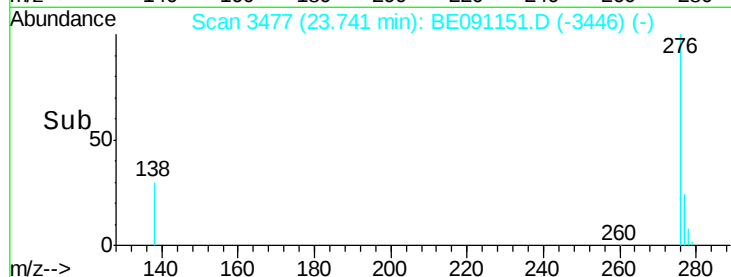
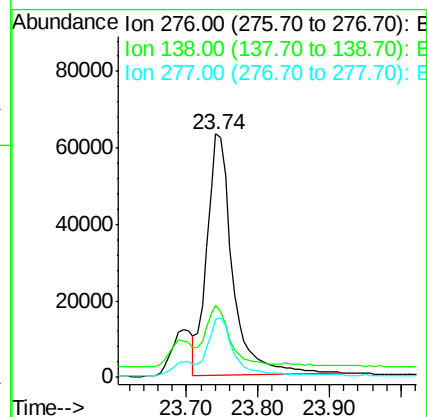
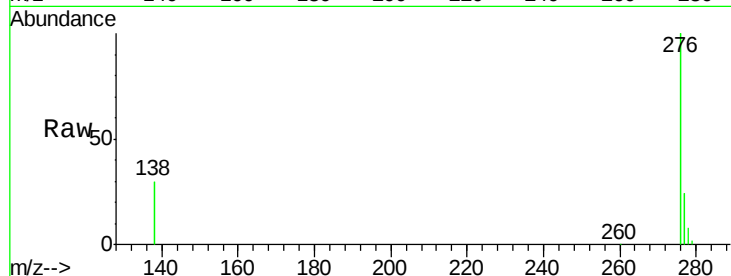
Tgt Ion:276 Resp: 156998

Ion Ratio Lower Upper

276 100

138 25.3 27.5 41.3#

277 24.2 19.3 28.9



#27

Dibenzo(a,h)anthracene

Concen: 0.38 ng/ul

RT: 23.70 min Scan# 3470

Delta R.T. 0.00 min

Lab File: BE091151.D

Acq: 13 Nov 2015 21:21

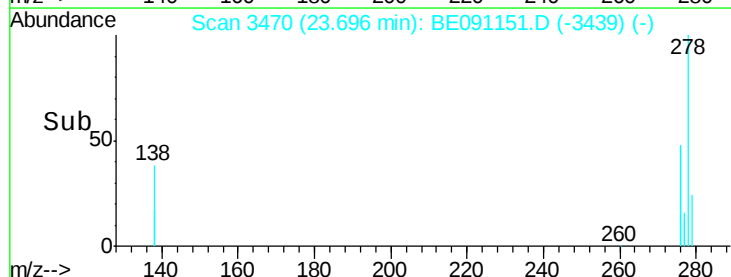
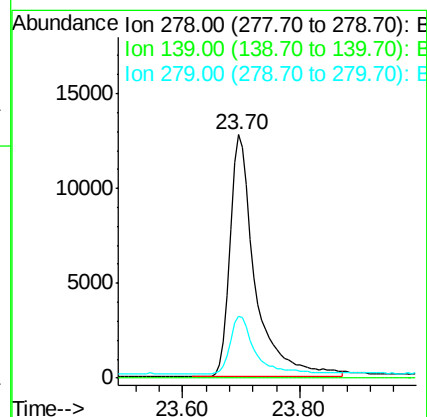
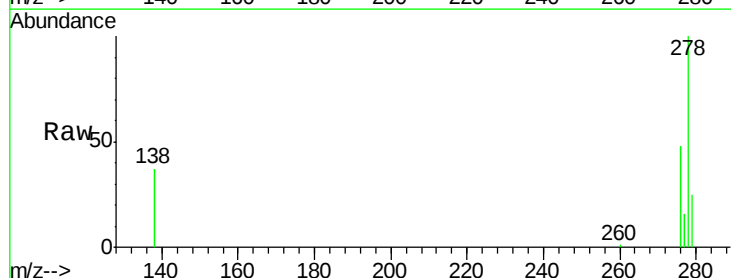
Tgt Ion:278 Resp: 38039

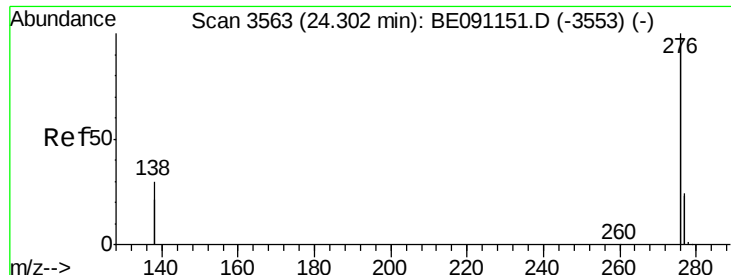
Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

279 25.2 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.37 ng/ul

RT: 24.30 min Scan# 3563

Delta R.T. 0.00 min

Lab File: BE091151.D

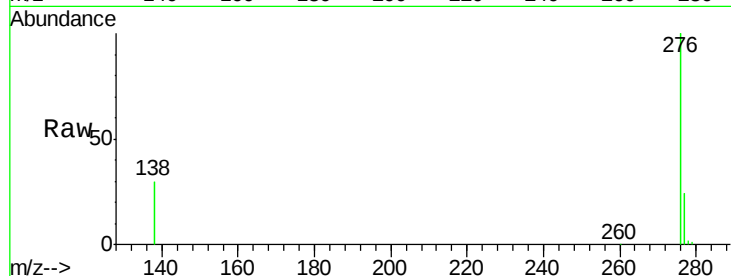
Acq: 13 Nov 2015 21:21

Instrument :

BNA_E

ClientSampleId :

SSTD0.497



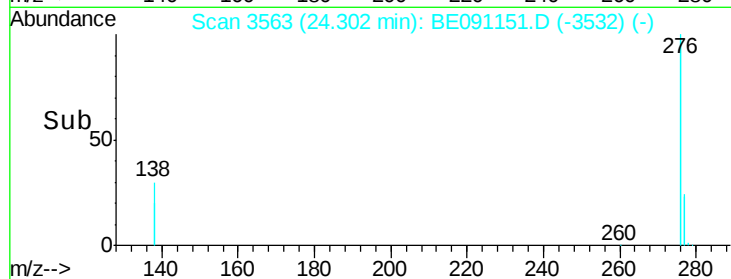
Tgt Ion: 276 Resp: 165788

Ion Ratio Lower Upper

276 100

277 24.3 21.3 31.9

138 30.4 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

