

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111715\
 Data File : BE091205.D
 Acq On : 17 Nov 2015 15:30
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 18 03:30:19 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 : Wed Nov 18 03:27:44 2015
 Response via : Initial Calibration

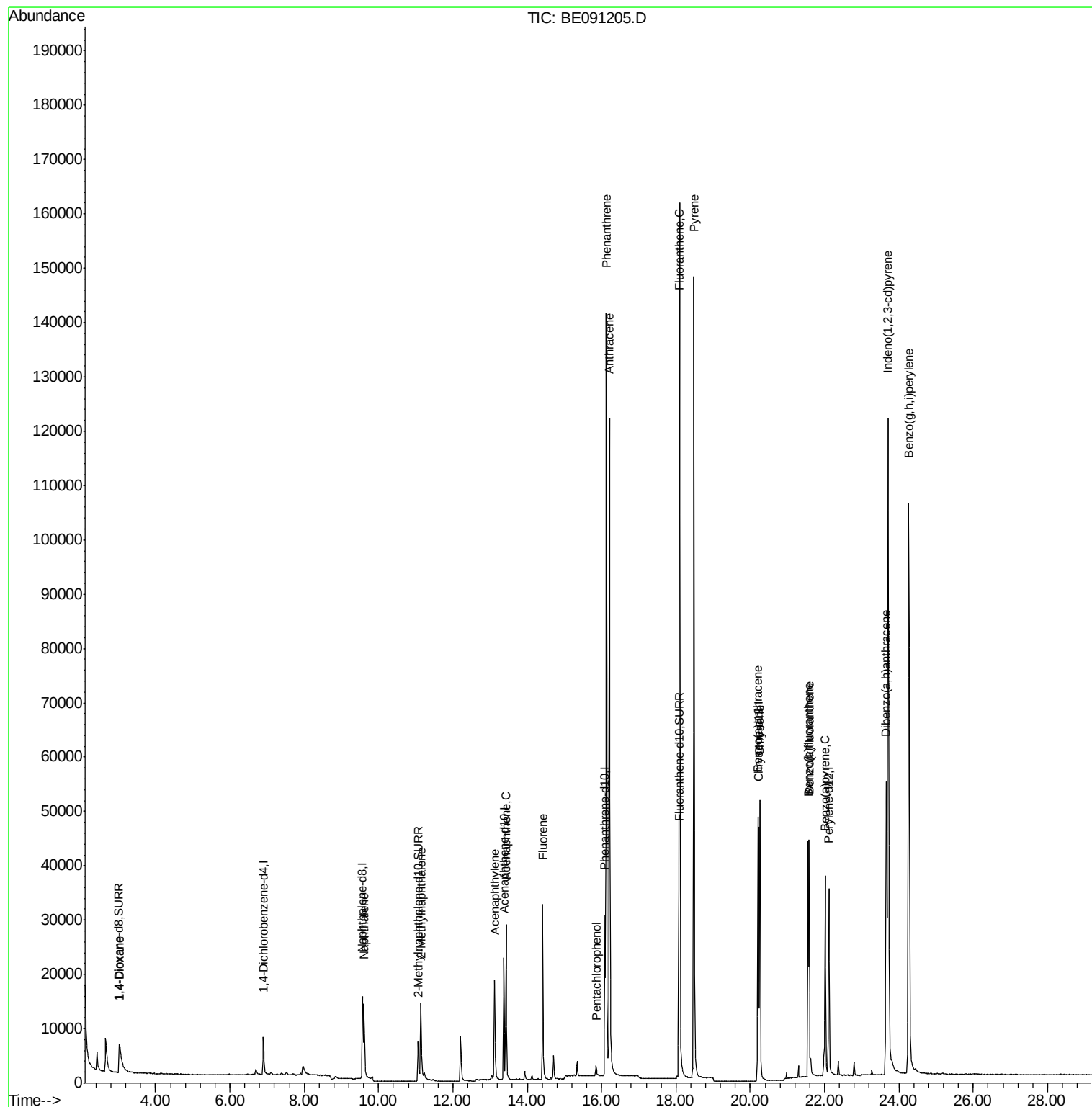
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	4504	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	22878	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	12497	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	33875	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	40753	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	36987	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.01	96	5422	1.67	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.07	152	11815	0.38	ng/ul	0.00
16) Fluoranthene-d10	18.08	212	38038	0.40	ng/ul	0.00
Target Compounds					Ovalue	
3) 1,4-Dioxane	3.04	88	6067	1.66	ng/ul#	69
5) Naphthalene	9.61	128	22201	0.39	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	13802	0.38	ng/ul	89
9) Acenaphthylene	13.12	152	24258	0.39	ng/ul	97
10) Acenaphthene	13.43	153	16832	0.39	ng/ul	90
11) Fluorene	14.42	166	21535	0.39	ng/ul	92
13) Pentachlorophenol	15.86	266	1888	0.59	ng/ul	94
14) Phenanthrene	16.12	178	149568	0.38	ng/ul	99
15) Anthracene	16.21	178	142974	0.40	ng/ul	98
17) Fluoranthene	18.10	202	185909	0.41	ng/ul	88
19) Pyrene	18.49	202	174085	0.38	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	40683	0.39	ng/ul	97
21) Chrysene	20.26	228	46911	0.39	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	43535	0.38	ng/ul	93
24) Benzo(k)fluoranthene	21.59	252	45232	0.38	ng/ul	94
25) Benzo(a)pyrene	22.01	252	44791	0.42	ng/ul	91
26) Indeno(1,2,3-cd)pyrene	23.71	276	170275	0.38	ng/ul#	89
27) Dibenzo(a,h)anthracene	23.66	278	41967	0.39	ng/ul#	71
28) Benzo(g,h,i)perylene	24.26	276	177761	0.38	ng/ul	93

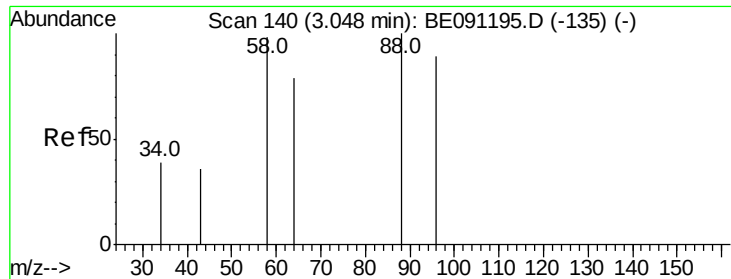
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 18 03:27:44 2015
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#3

1,4-Dioxane

Concen: 1.66 ng/ul

RT: 3.04 min Scan# 139

Delta R.T. -0.01 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

ClientSampleId :

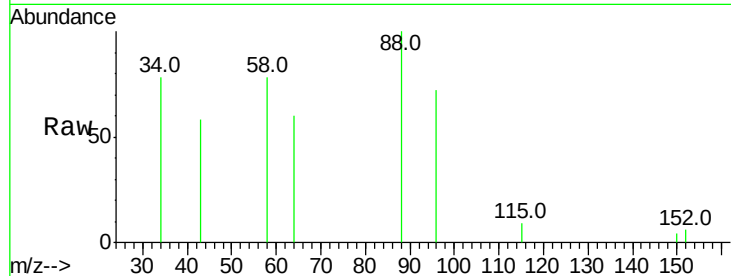
Tot Ion: 88 Resp: 6067

Ion Ratio Lower Upper

88 100

58 99.6 55.4 83.2#

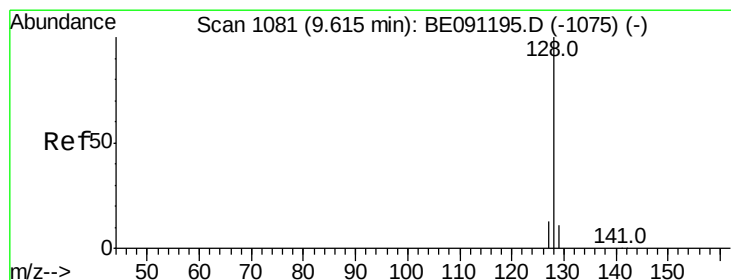
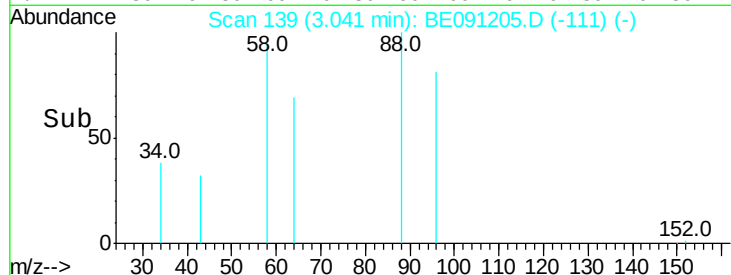
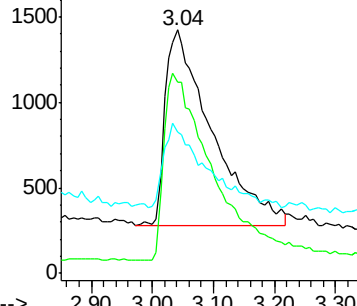
43 39.3 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091195.D (-135) (-)

Ion 58.00 (57.70 to 58.70): BE091195.D (-135) (-)

Ion 43.00 (42.70 to 43.70): BE091195.D (-135) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 9.61 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

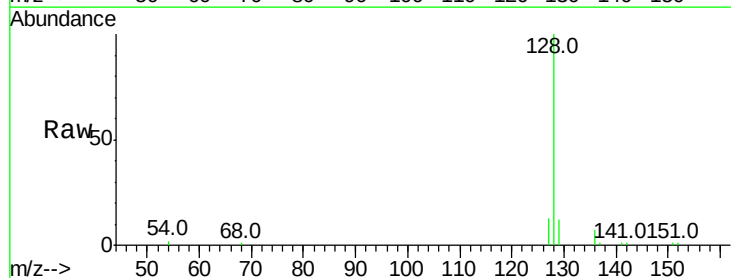
Tgt Ion: 128 Resp: 22201

Ion Ratio Lower Upper

128 100

129 12.2 9.8 14.8

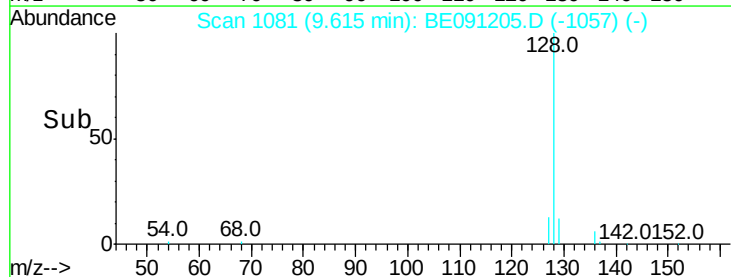
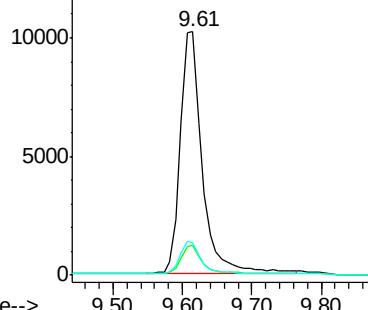
127 13.1 10.7 16.1

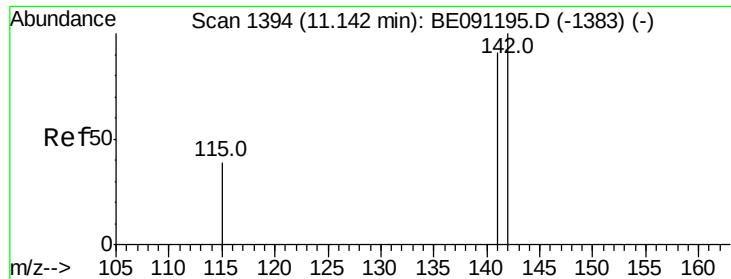


Abundance Ion 128.00 (127.70 to 128.70): BE091195.D (-1075) (-)

Ion 129.00 (128.70 to 129.70): BE091195.D (-1075) (-)

Ion 127.00 (126.70 to 127.70): BE091195.D (-1075) (-)





#7

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 11.14 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

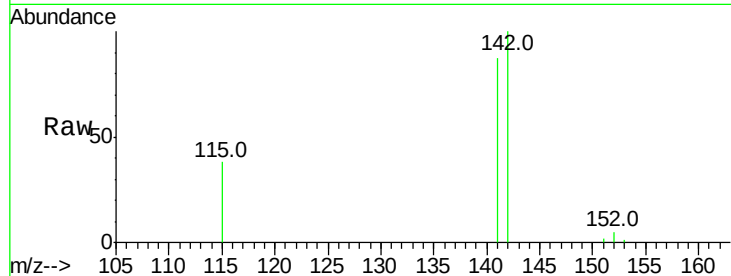
ClientSampleId :

Tot Ion:142 Resp: 13802

Ion Ratio Lower Upper

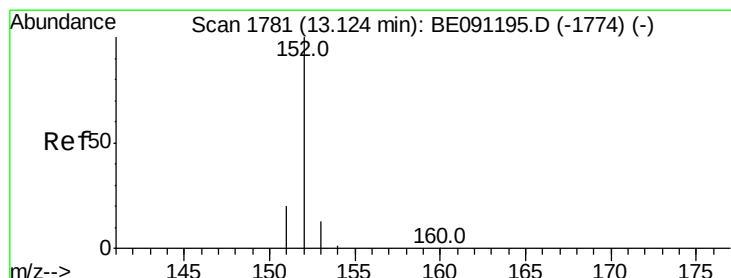
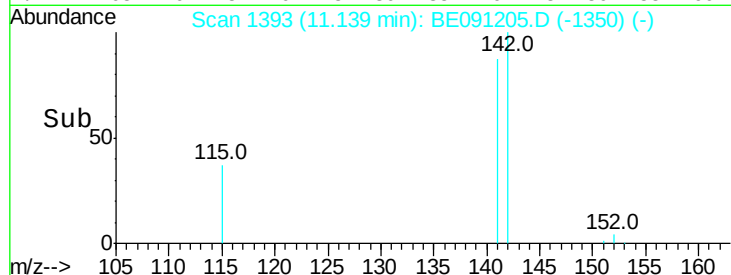
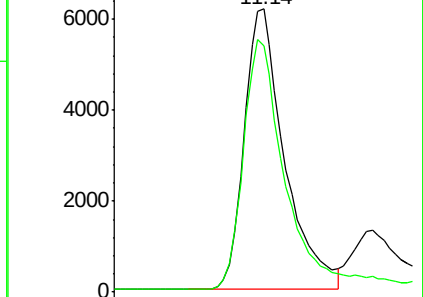
142 100

141 97.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 13.12 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

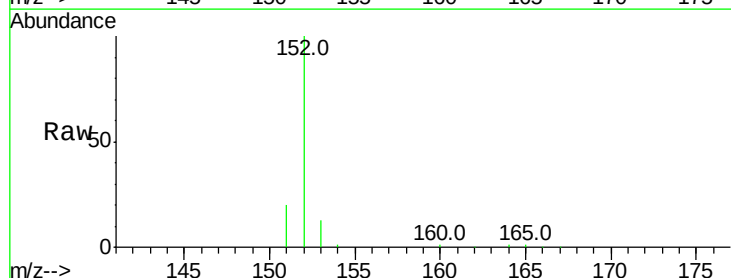
Tgt Ion:152 Resp: 24258

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

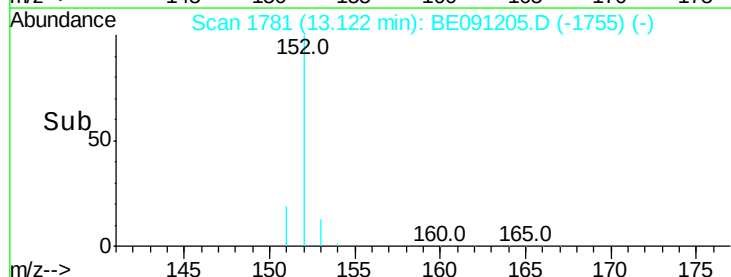
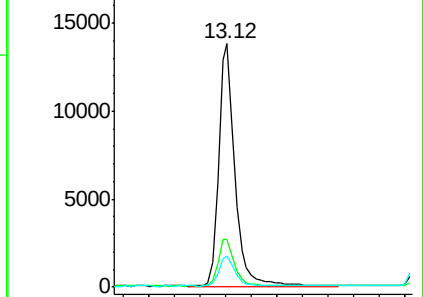
153 12.9 11.3 16.9

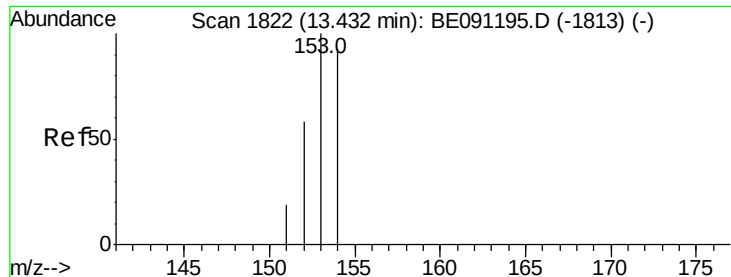


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 13.43 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

ClientSampleId :

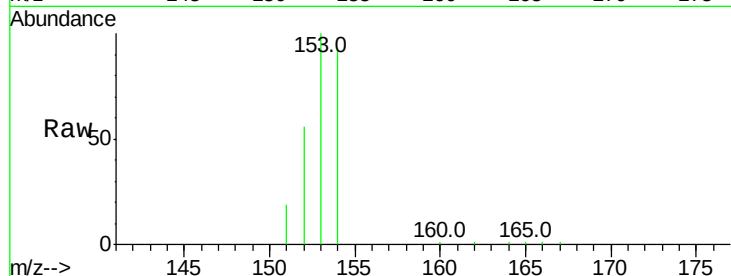
Tot Ion:153 Resp: 16832

Ion Ratio Lower Upper

153 100

152 56.5 42.3 63.5

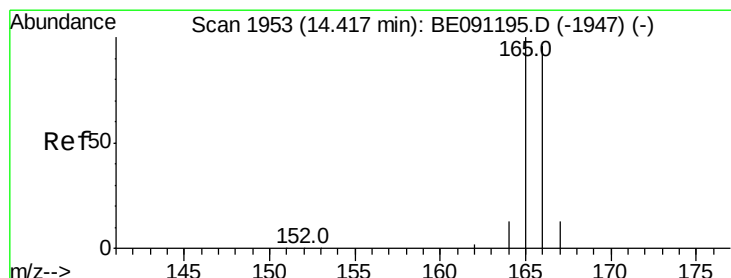
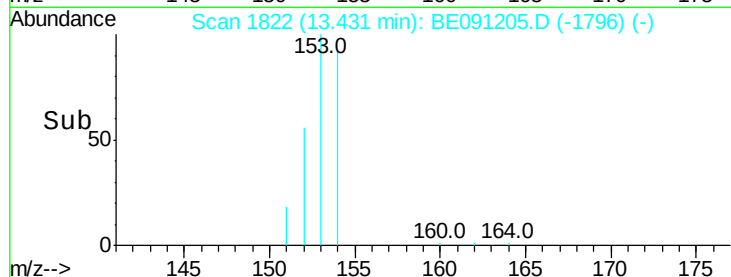
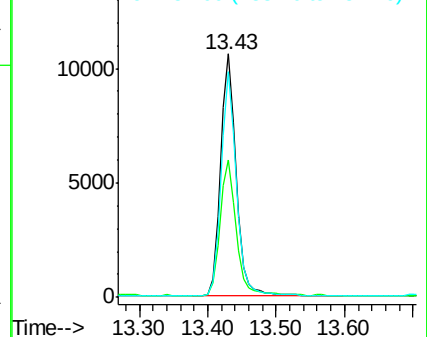
154 92.8 64.7 97.1



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: 0.39 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

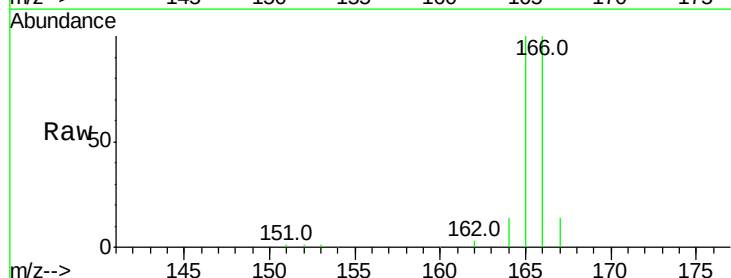
Tgt Ion:166 Resp: 21535

Ion Ratio Lower Upper

166 100

165 99.8 87.6 131.4

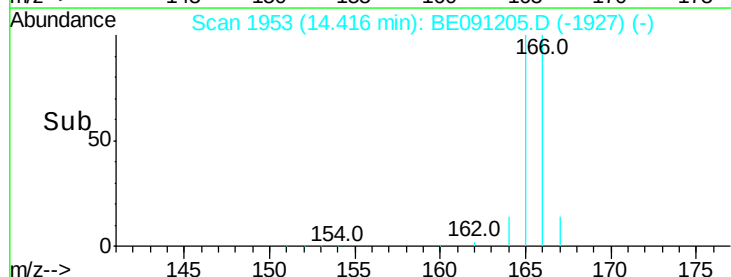
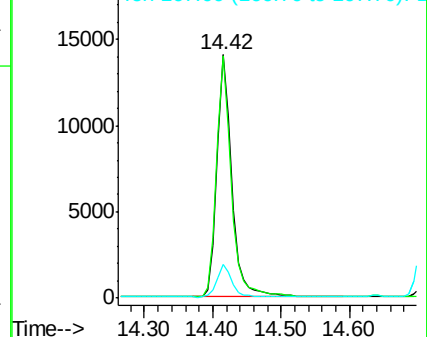
167 13.9 11.1 16.7

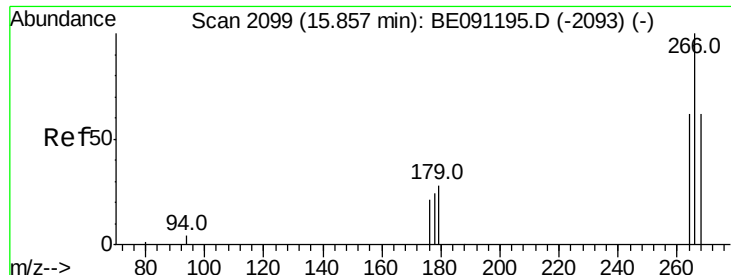


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

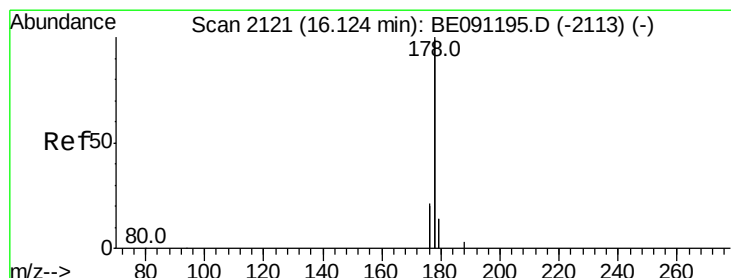
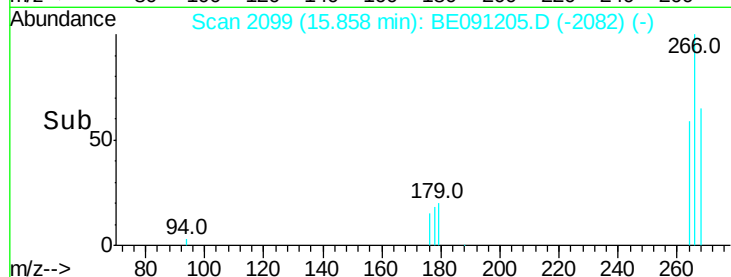
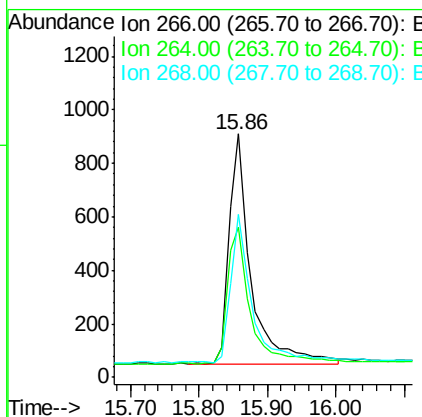
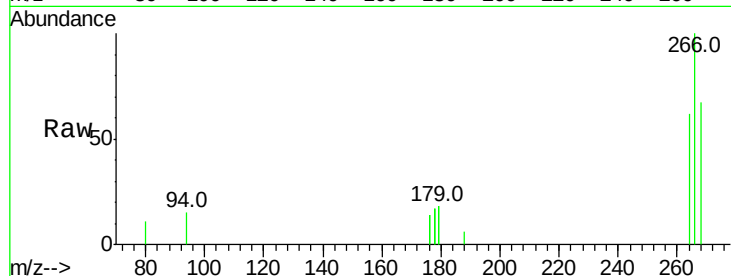




#13
 Pentachlorophenol
 Concen: 0.59 ng/ul
 RT: 15.86 min Scan# 2099
 Delta R.T. 0.00 min
 Lab File: BE091205.D
 Acq: 17 Nov 2015 15:30

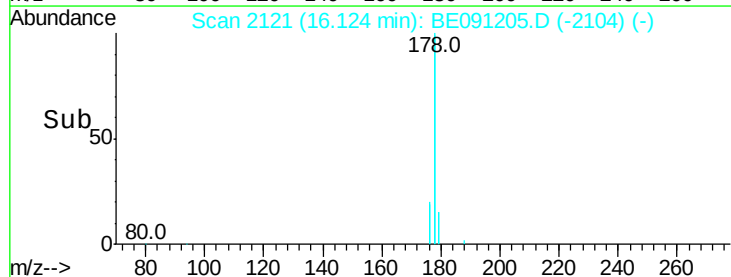
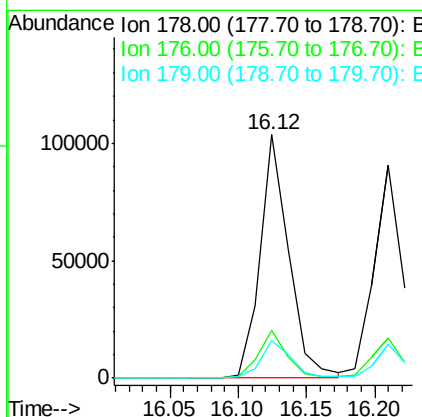
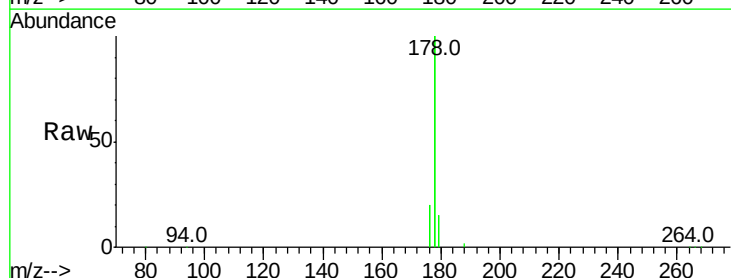
Instrument :
 BNA_E
 ClientSampleId :

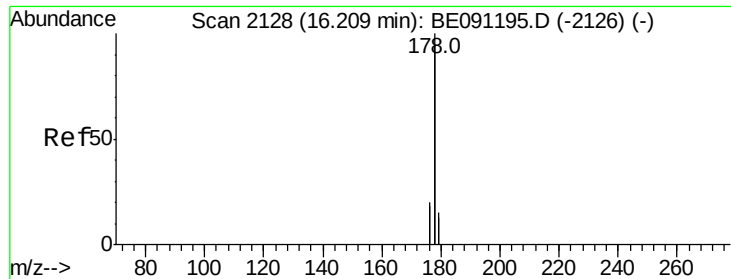
Tot Ion:266 Resp: 1888
 Ion Ratio Lower Upper
 266 100
 264 62.3 53.5 80.3
 268 63.0 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE091205.D
 Acq: 17 Nov 2015 15:30

Tgt Ion:178 Resp: 149568
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.5 12.8 19.2

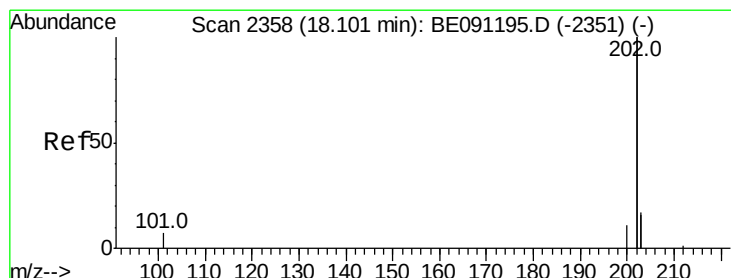
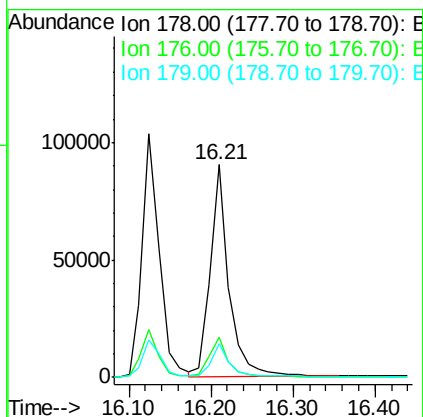
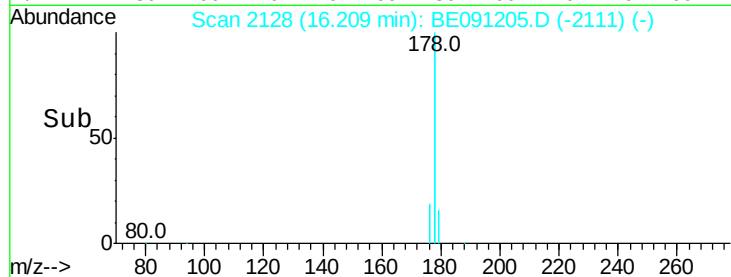
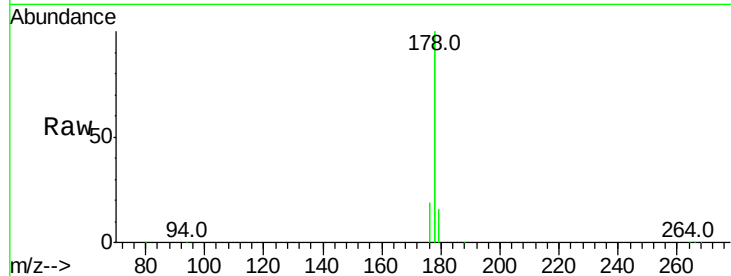




#15
 Anthracene
 Concen: 0.40 ng/ul
 RT: 16.21 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: BE091205.D
 Acq: 17 Nov 2015 15:30

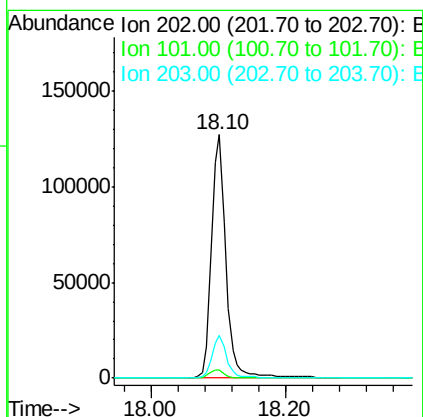
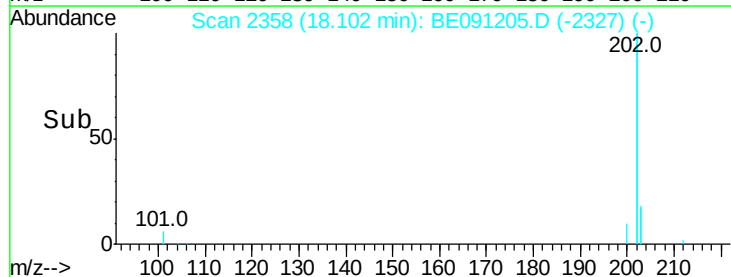
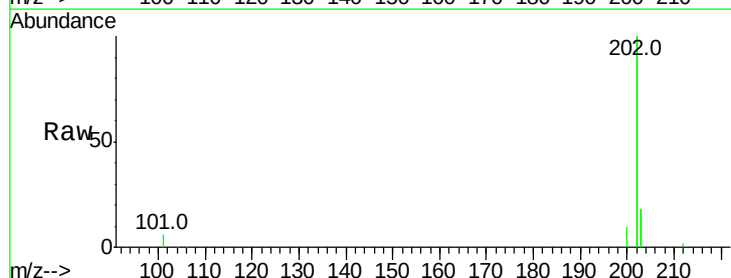
Instrument :
 BNA_E
 ClientSampleId :

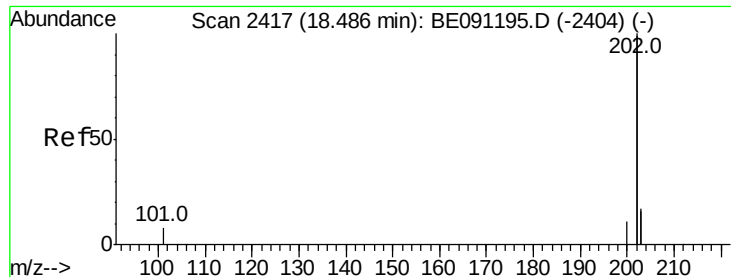
Tot Ion:178 Resp: 142974
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.6 13.3 19.9



#17
 Fluoranthene
 Concen: 0.41 ng/ul
 RT: 18.10 min Scan# 2358
 Delta R.T. 0.00 min
 Lab File: BE091205.D
 Acq: 17 Nov 2015 15:30

Tgt Ion:202 Resp: 185909
 Ion Ratio Lower Upper
 202 100
 101 3.1 0.0 33.1
 203 17.8 0.0 37.2





#19

Pvrene

Concen: 0.38 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

ClientSampleId :

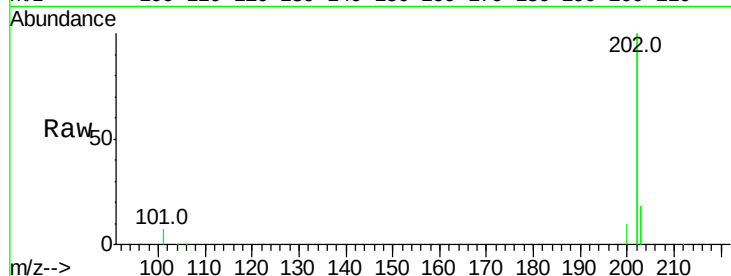
Tot Ion:202 Resp: 174085

Ion Ratio Lower Upper

202 100

200 5.1 18.0 27.0#

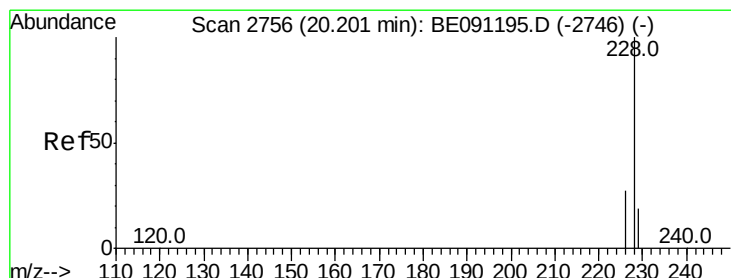
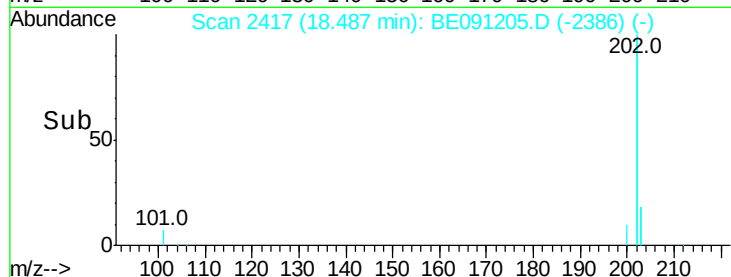
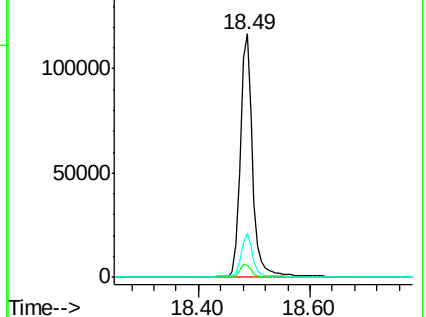
203 18.2 13.8 20.6



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: 0.39 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

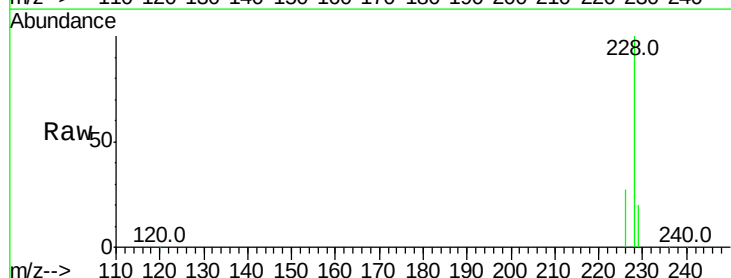
Tgt Ion:228 Resp: 40683

Ion Ratio Lower Upper

228 100

226 26.7 23.0 34.4

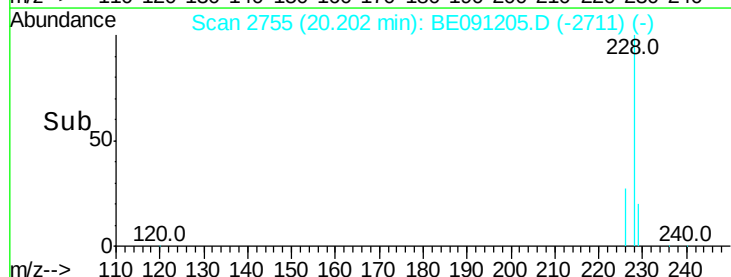
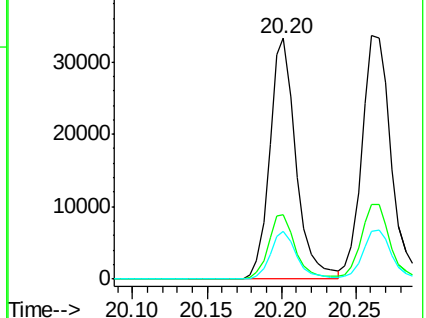
229 20.0 15.2 22.8

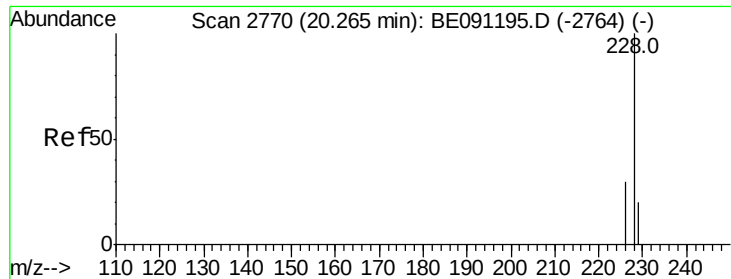


Abundance Ion 228.00 (227.70 to 228.70): E

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: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

ClientSampleId :

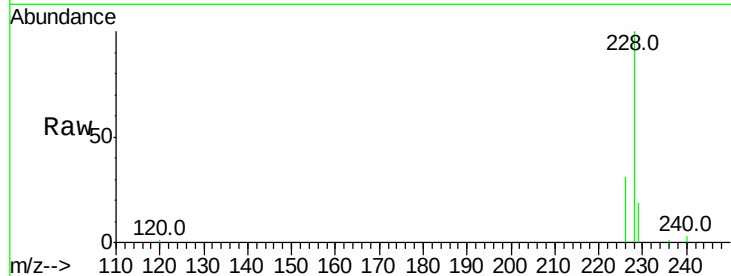
Tot Ion:228 Resp: 46911

Ion Ratio Lower Upper

228 100

226 30.7 25.7 38.5

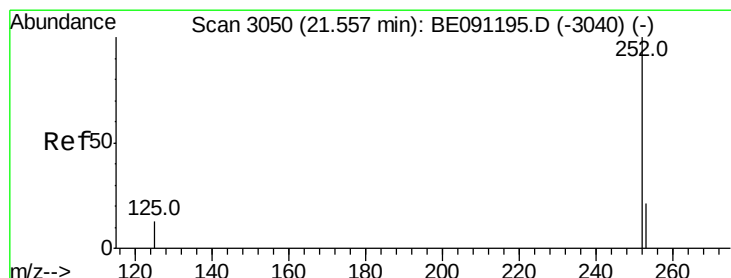
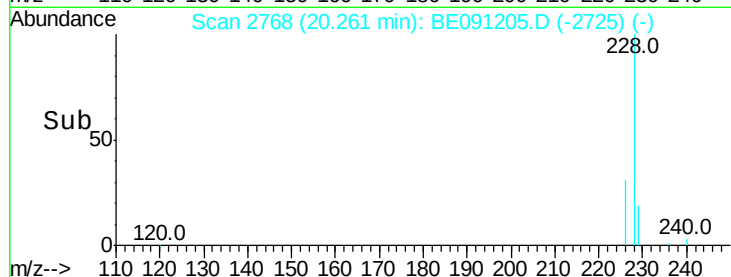
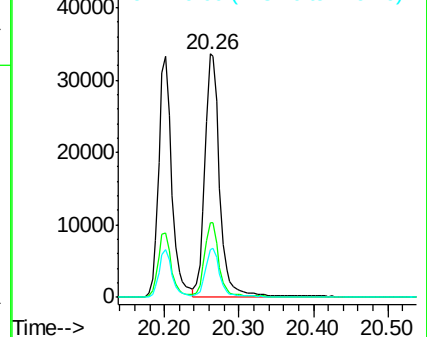
229 19.4 15.2 22.8



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: 21.56 min Scan# 3049

Delta R.T. 0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

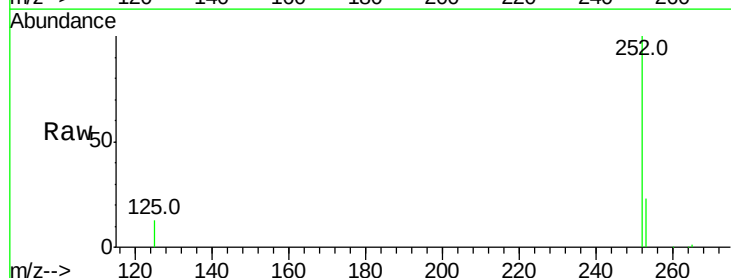
Tgt Ion:252 Resp: 43535

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.0

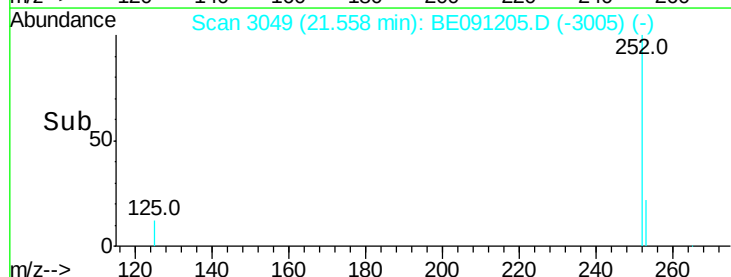
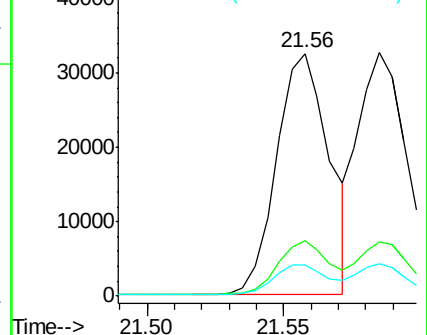
125 12.9 0.0 36.6

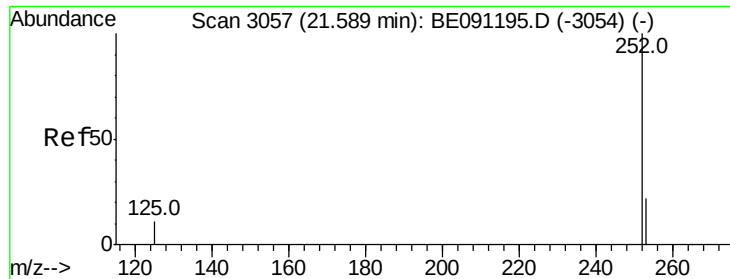


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3055

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

ClientSampleId :

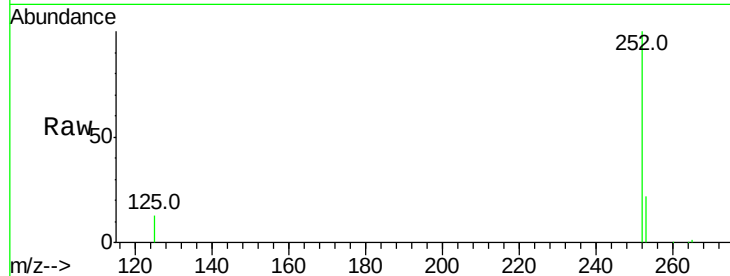
Tot Ion:252 Resp: 45232

Ion Ratio Lower Upper

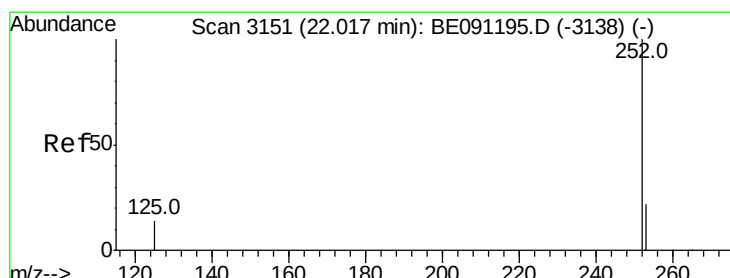
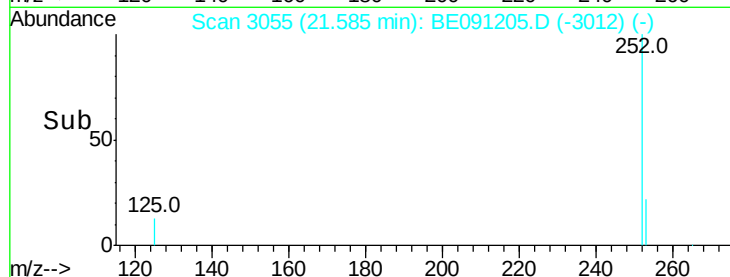
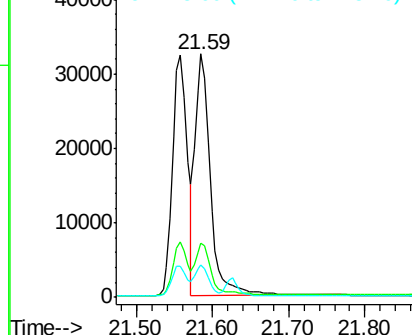
252 100

253 22.3 20.8 31.2

125 13.1 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: 0.42 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

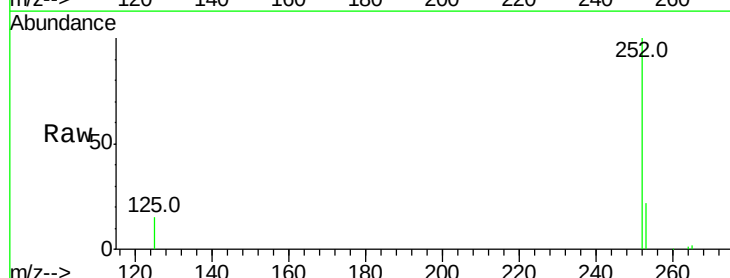
Tgt Ion:252 Resp: 44791

Ion Ratio Lower Upper

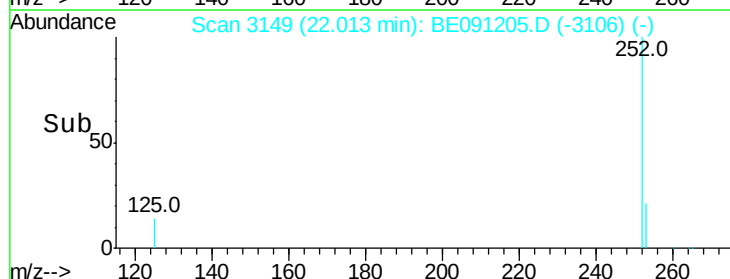
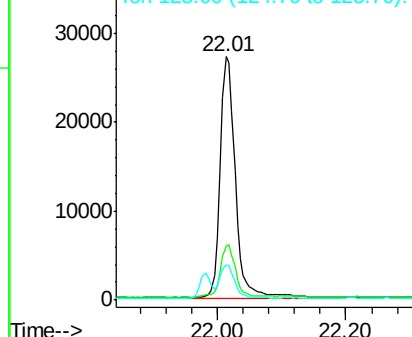
252 100

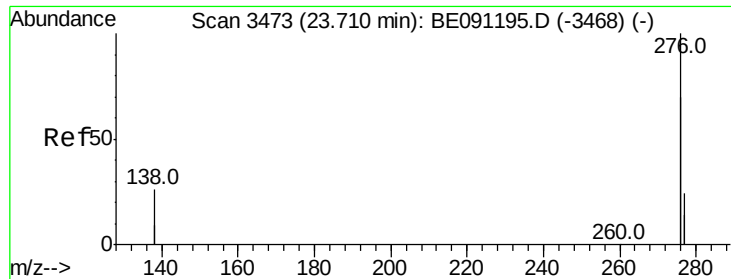
253 22.1 21.8 32.8

125 14.6 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

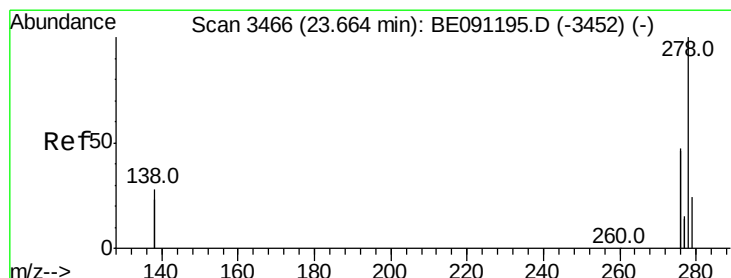
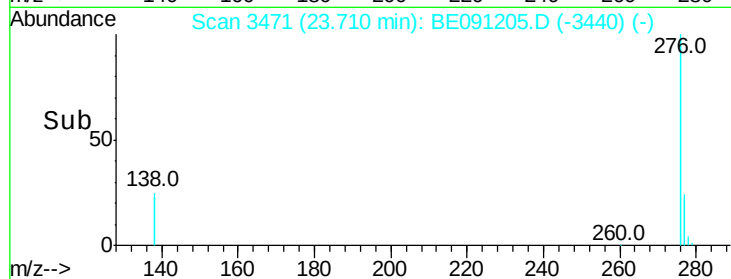
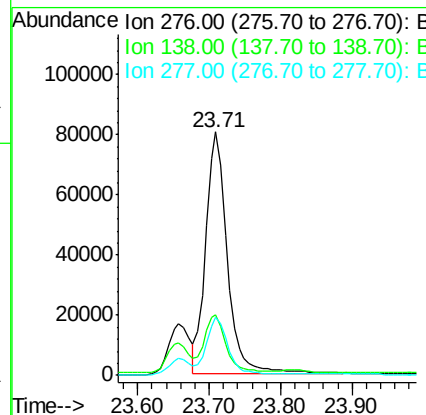
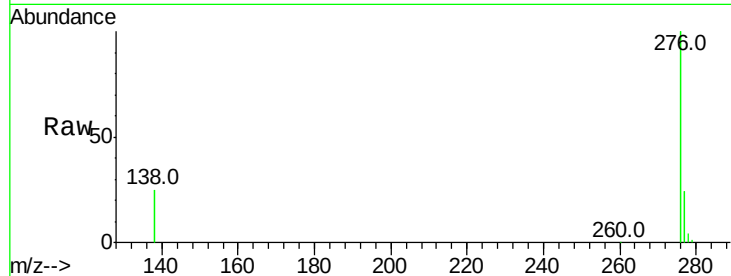




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.38 ng/ul
 RT: 23.71 min Scan# 3471
 Delta R.T. -0.00 min
 Lab File: BE091205.D
 Acq: 17 Nov 2015 15:30

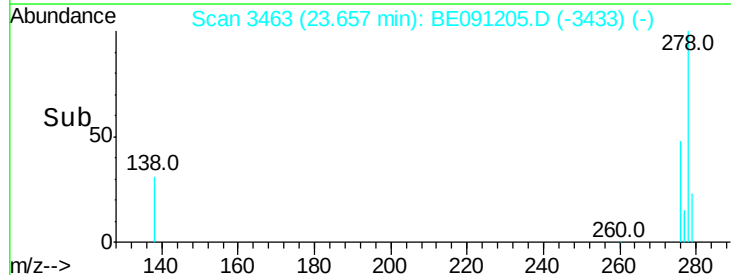
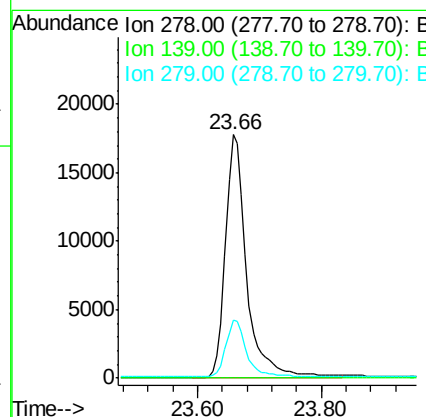
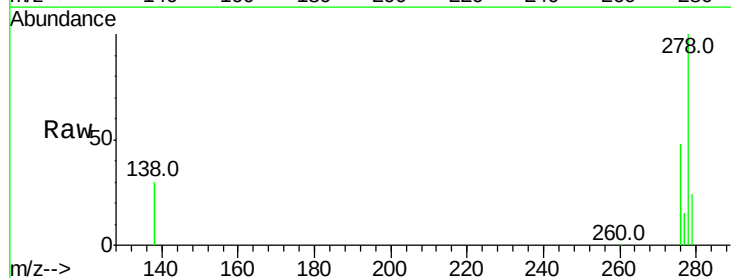
Instrument :
 BNA_E
 ClientSampleId :

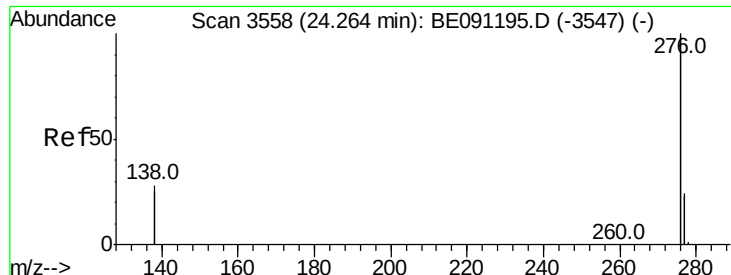
Tot Ion:276 Resp: 170275
 Ion Ratio Lower Upper
 276 100
 138 24.2 27.5 41.3#
 277 23.9 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 23.66 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BE091205.D
 Acq: 17 Nov 2015 15:30

Tgt Ion:278 Resp: 41967
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 23.8 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.38 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. 0.00 min

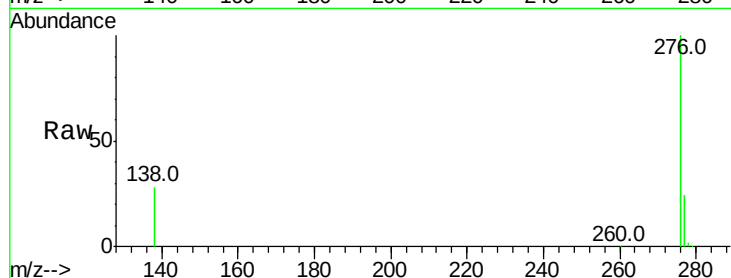
Lab File: BE091205.D

Acq: 17 Nov 2015 15:30

Instrument :

BNA_E

ClientSampleId :



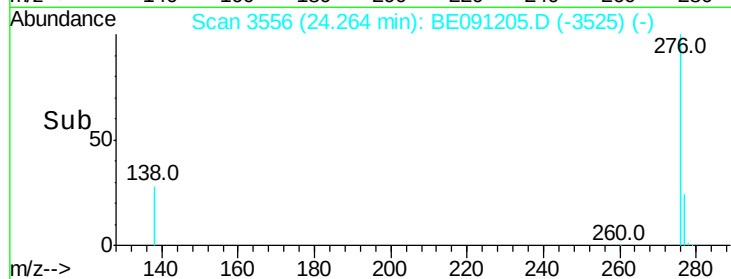
Tot Ion:276 Resp: 177761

Ion Ratio Lower Upper

276 100

277 23.7 21.3 31.9

138 27.6 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

