

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112015\
 Data File : BE091252.D
 Acq On : 20 Nov 2015 19:06
 Operator : UM/NP
 Sample : G4310-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM4

Quant Time: Nov 21 02:54:14 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 21 02:52:22 2015
 Response via : Initial Calibration

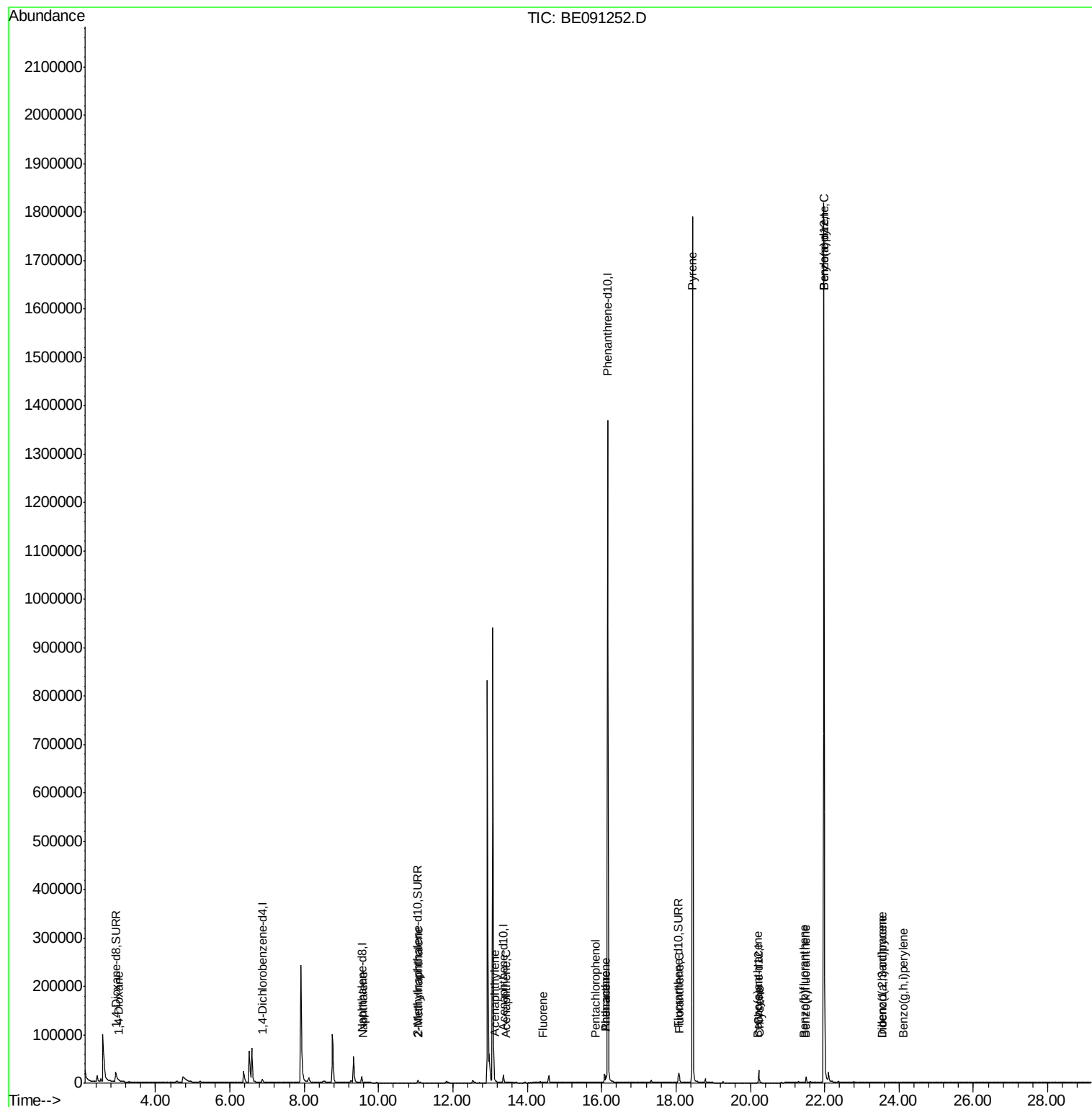
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3204	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	15777	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	8904	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1555841	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	24775	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1845322	0.40	ng/ul	-0.13
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.93	96	26126	11.34	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.06	152	7316	0.34	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	22202	0.01	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.01	88	59	0.02	ng/ul#	24
5) Naphthalene	9.59	128	1009	0.03	ng/ul#	54
7) 2-Methylnaphthalene	11.09	142	12	0.00	ng/ul	86
9) Acenaphthylene	13.14	152	15	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	124	0.00	ng/ul#	66
11) Fluorene	14.41	166	286	0.01	ng/ul#	75
13) Pentachlorophenol	15.85	266	445	0.00	ng/ul	97
14) Phenanthrene	16.11	178	12971	0.00	ng/ul	93
15) Anthracene	16.11	178	9127	0.00	ng/ul	93
17) Fluoranthene	18.10	202	10631	0.00	ng/ul	82
19) Pyrene	18.45	202	20897	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	1106	0.02	ng/ul#	86
21) Chrysene	20.26	228	1425	0.02	ng/ul#	85
23) Benzo(b)fluoranthene	21.44	252	18	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.47	252	25	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7176	0.00	ng/ul#	57
26) Indeno(1,2,3-cd)pyrene	23.55	276	166	0.00	ng/ul#	82
27) Dibenzo(a,h)anthracene	23.54	278	14	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.12	276	18	0.00	ng/ul#	1

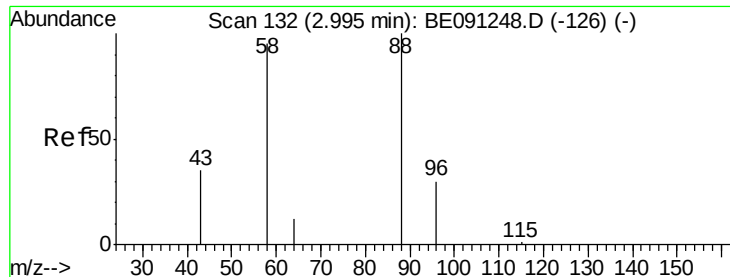
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 3.01 min Scan# 135

Delta R.T. 0.02 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

Instrument :

BNA_E

ClientSampleId :

D9KM4

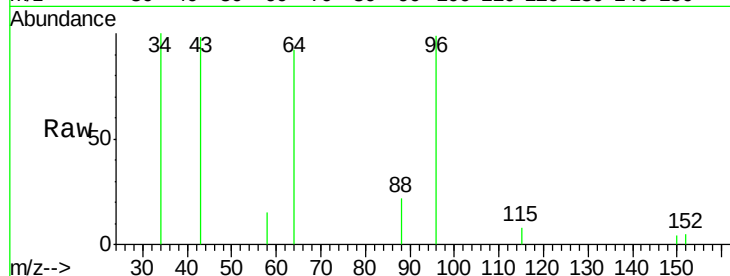
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

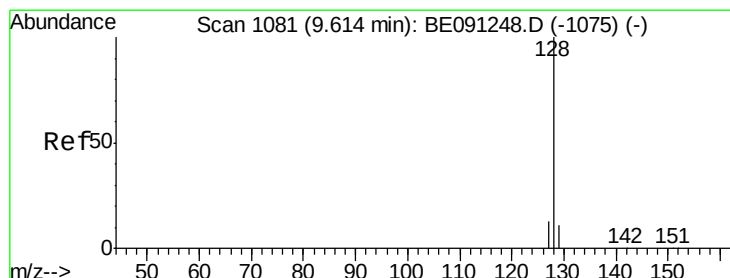
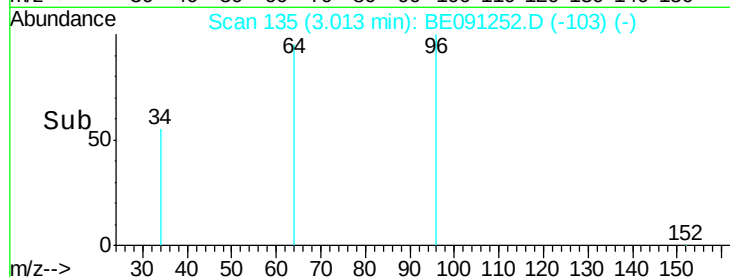
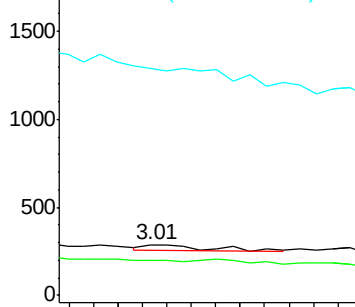
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091248.D (-126) (-)

Ion 58.00 (57.70 to 58.70): BE091248.D (-126) (-)

Ion 43.00 (42.70 to 43.70): BE091248.D (-126) (-)



#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

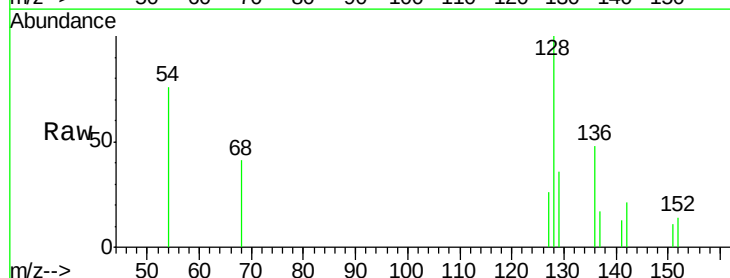
Tgt Ion: 128 Resp: 1009

Ion Ratio Lower Upper

128 100

129 36.2 9.8 14.8#

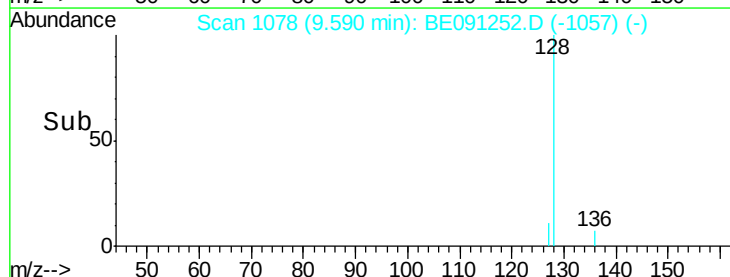
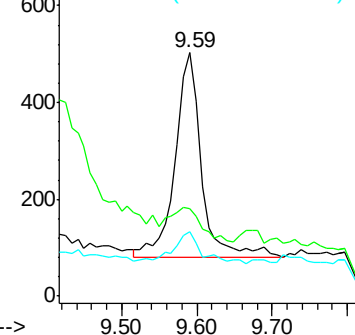
127 26.2 10.7 16.1#

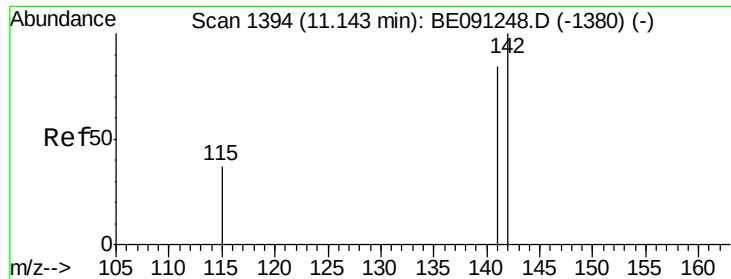


Abundance Ion 128.00 (127.70 to 128.70): BE091248.D (-1075) (-)

Ion 129.00 (128.70 to 129.70): BE091248.D (-1075) (-)

Ion 127.00 (126.70 to 127.70): BE091248.D (-1075) (-)





#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 11.09 min Scan# 1382

Delta R.T. -0.05 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

Instrument :

BNA_E

ClientSampleId :

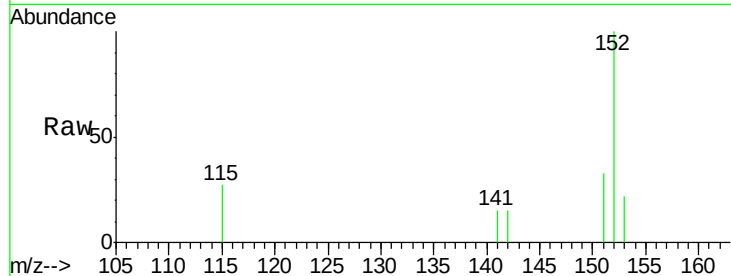
D9KM4

Tot Ion:142 Resp: 12

Ion Ratio Lower Upper

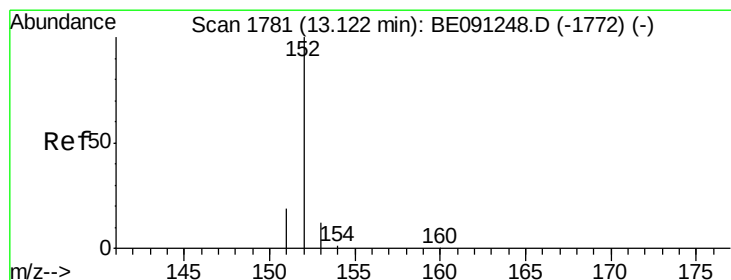
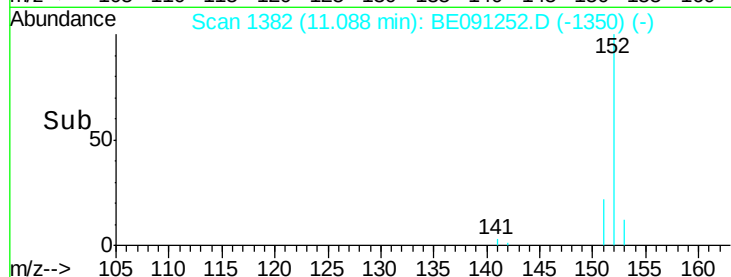
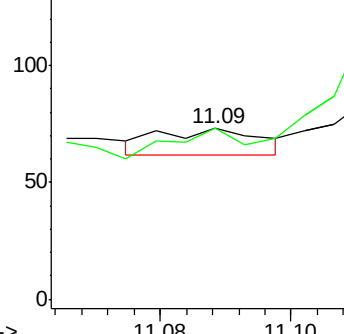
142 100

141 75.0 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: 0.00 ng/ul

RT: 13.14 min Scan# 1783

Delta R.T. 0.02 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

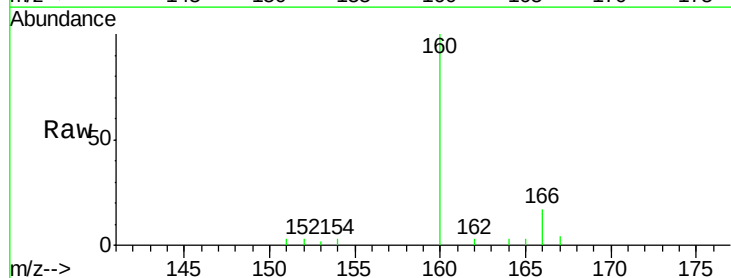
Tgt Ion:152 Resp: 15

Ion Ratio Lower Upper

152 100

151 93.5 16.8 25.2#

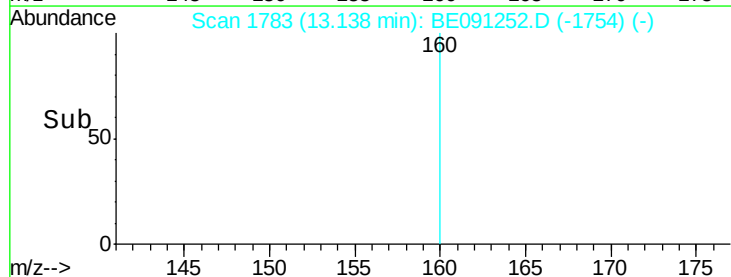
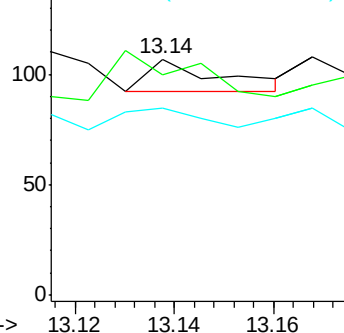
153 79.4 11.3 16.9#

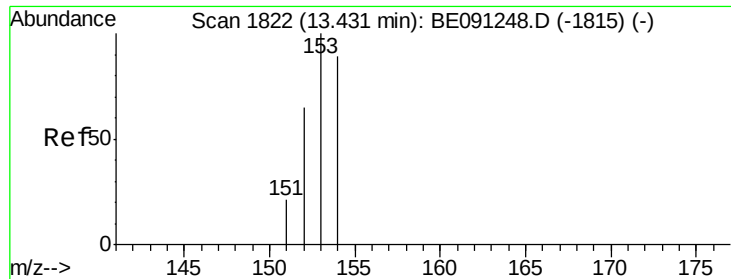


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

Instrument :

BNA_E

ClientSampleId :

D9KM4

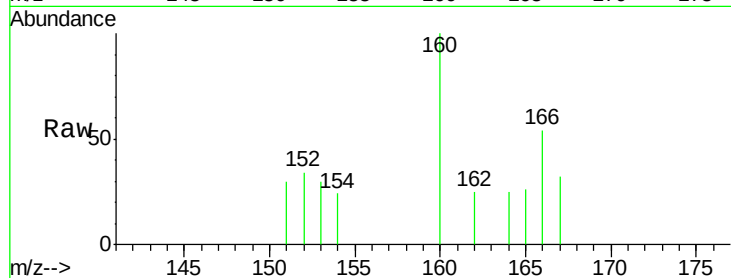
Tot Ion:153 Resp: 124

Ion Ratio Lower Upper

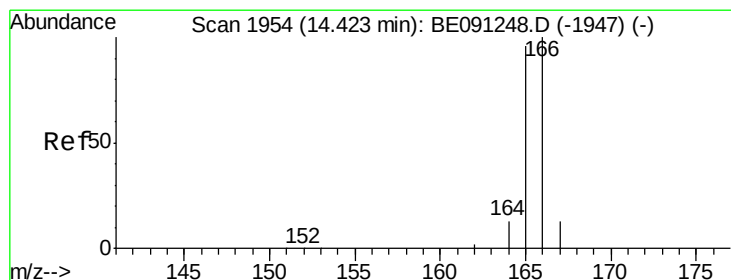
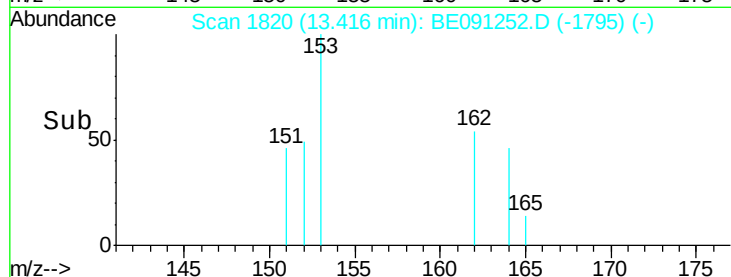
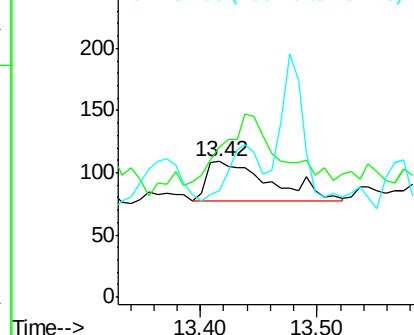
153 100

152 111.0 42.3 63.5#

154 78.9 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: 0.01 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

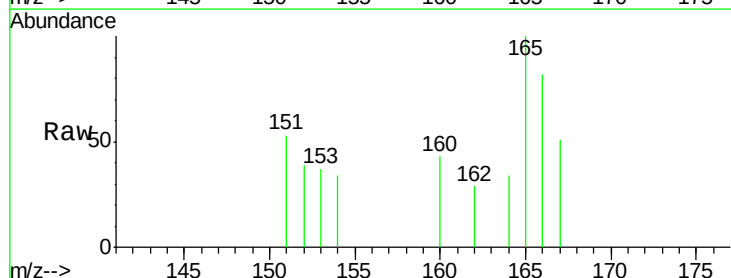
Tgt Ion:166 Resp: 286

Ion Ratio Lower Upper

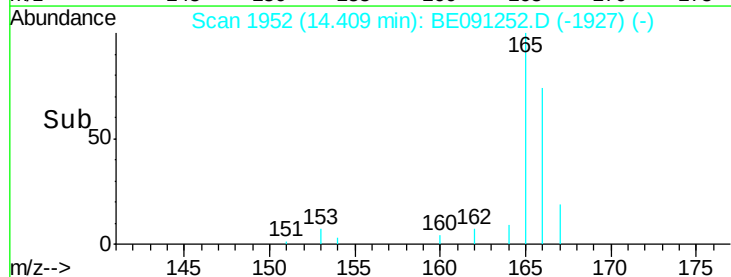
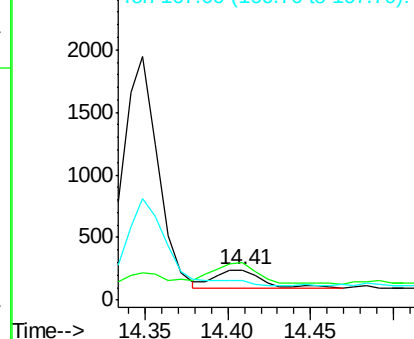
166 100

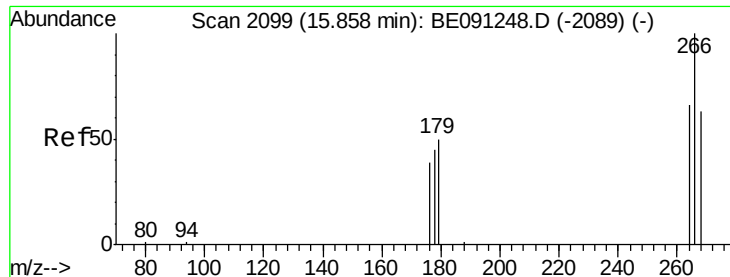
165 122.6 87.6 131.4

167 63.0 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

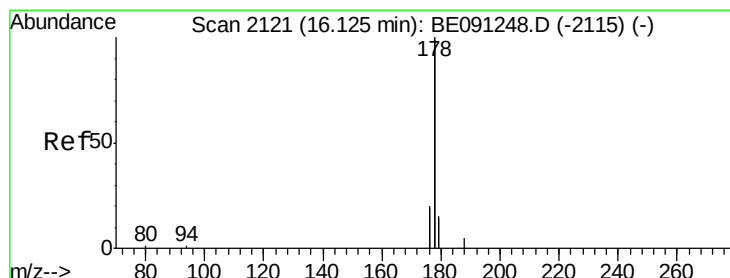
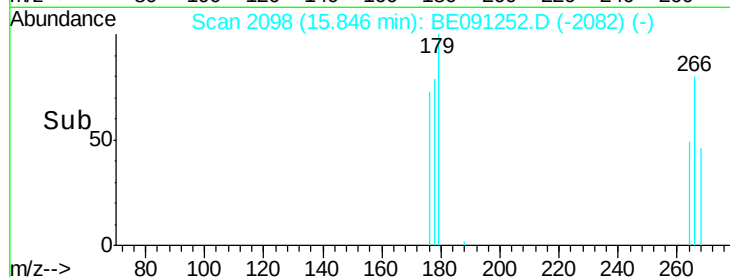
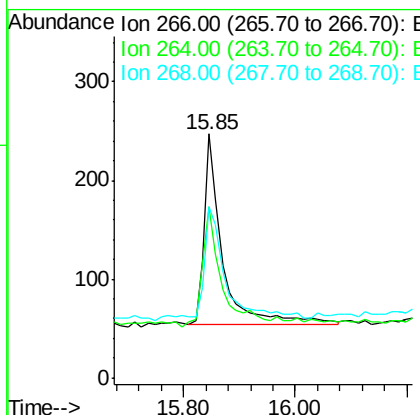
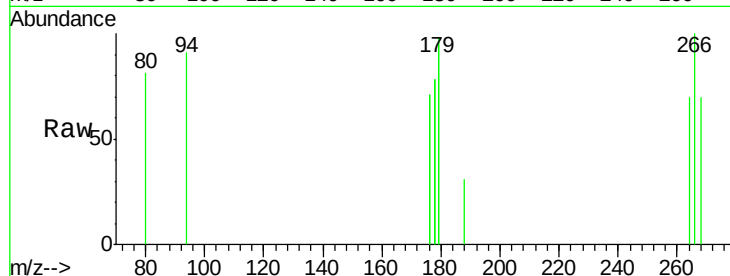




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091252.D
 Acq: 20 Nov 2015 19:06

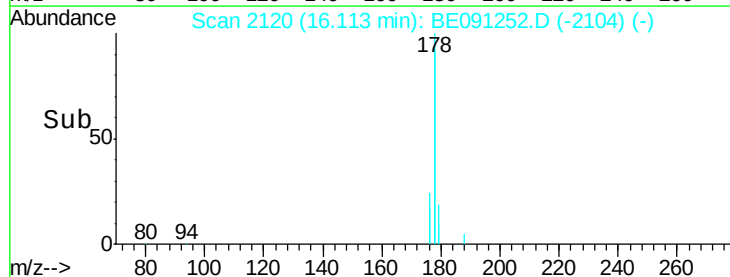
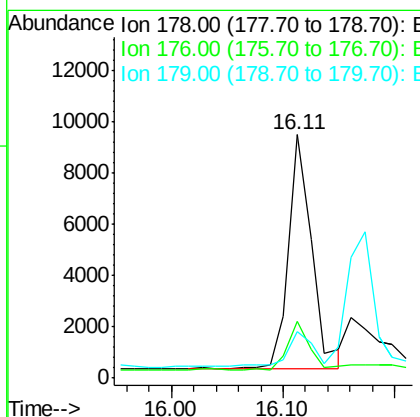
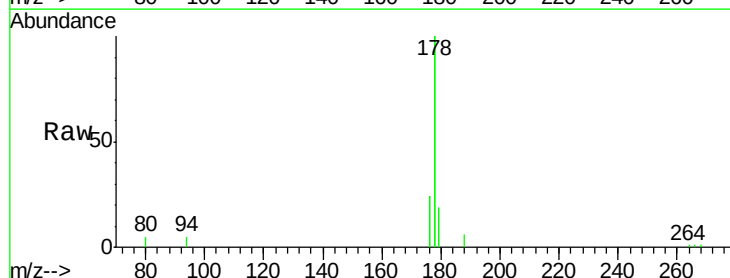
Instrument :
 BNA_E
 ClientSampleId :
 D9KM4

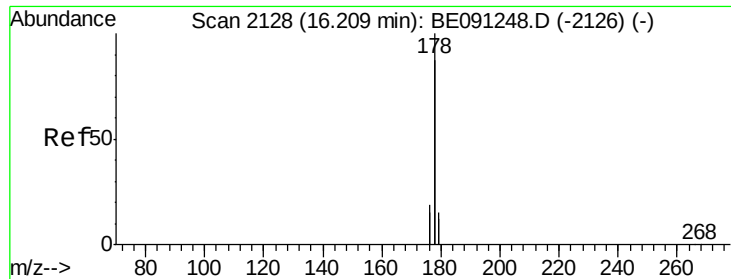
Tot Ion:266 Resp: 445
 Ion Ratio Lower Upper
 266 100
 264 65.2 53.5 80.3
 268 64.5 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091252.D
 Acq: 20 Nov 2015 19:06

Tgt Ion:178 Resp: 12971
 Ion Ratio Lower Upper
 178 100
 176 23.5 16.2 24.4
 179 19.0 12.8 19.2

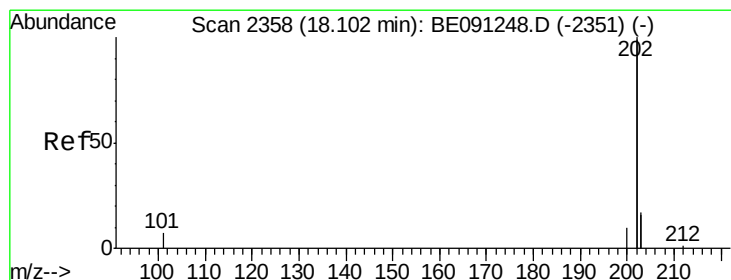
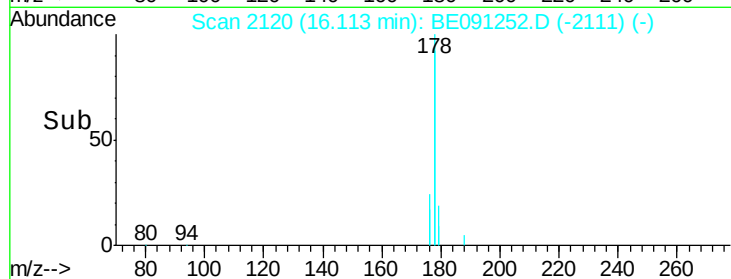
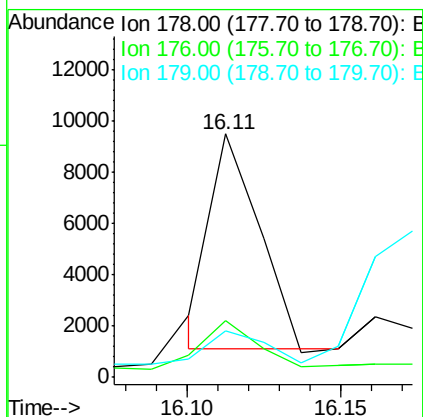
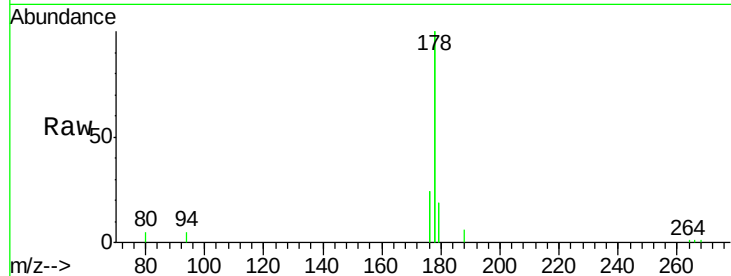




#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.10 min
 Lab File: BE091252.D
 Acq: 20 Nov 2015 19:06

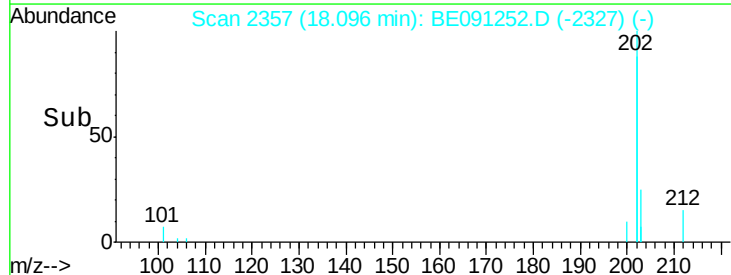
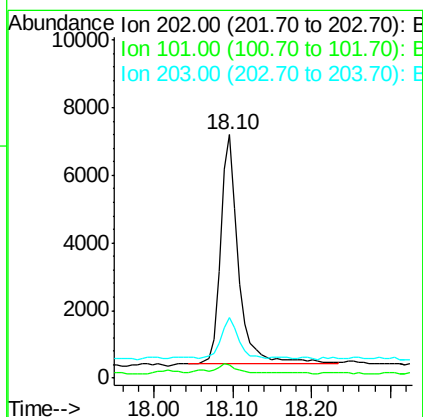
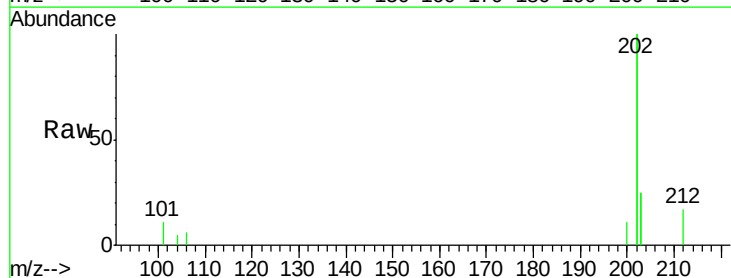
Instrument :
 BNA_E
 ClientSampleId :
 D9KM4

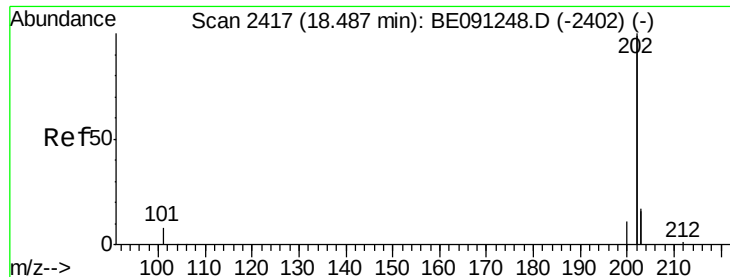
Tot Ion:178 Resp: 9127
 Ion Ratio Lower Upper
 178 100
 176 23.5 15.8 23.8
 179 19.0 13.3 19.9



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 18.10 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091252.D
 Acq: 20 Nov 2015 19:06

Tgt Ion:202 Resp: 10631
 Ion Ratio Lower Upper
 202 100
 101 5.4 0.0 33.1
 203 24.8 0.0 37.2

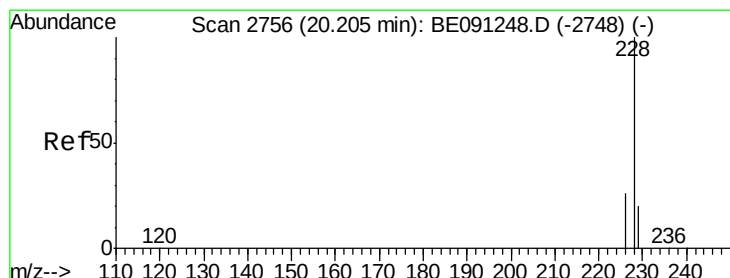
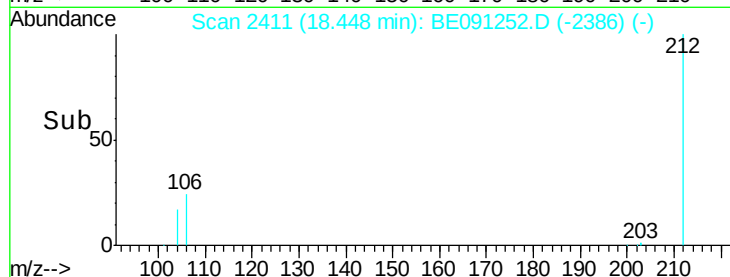
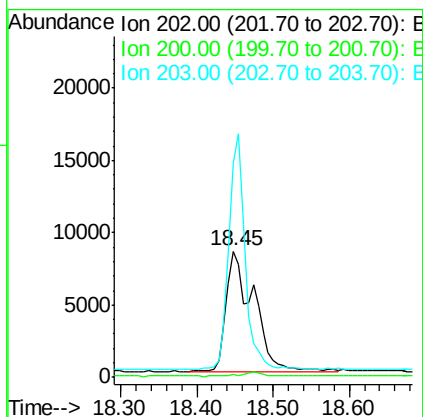
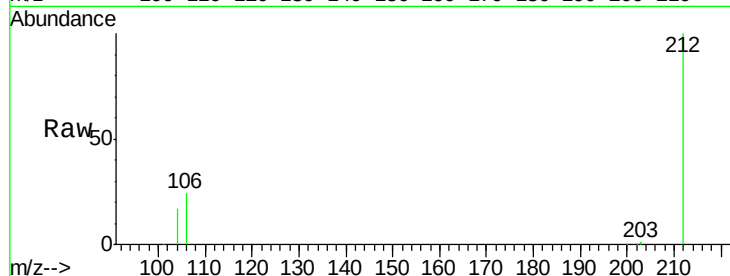




#19
Pvrene
Concen: 0.07 ng/ul
RT: 18.45 min Scan# 2411
Delta R.T. -0.04 min
Lab File: BE091252.D
Acq: 20 Nov 2015 19:06

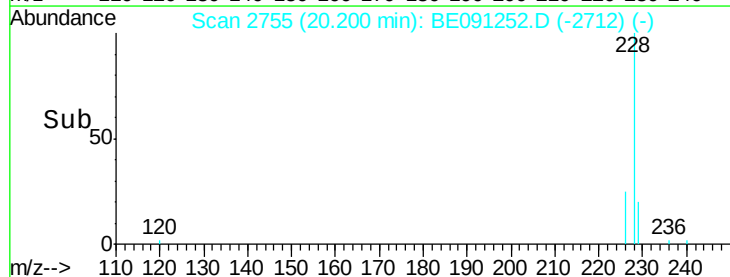
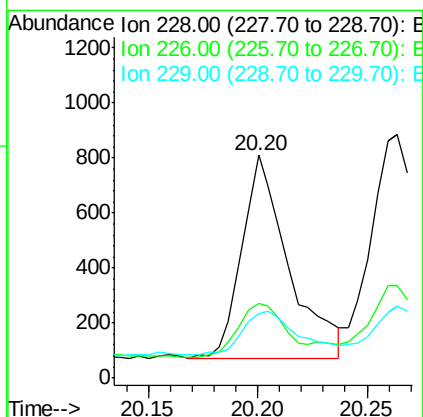
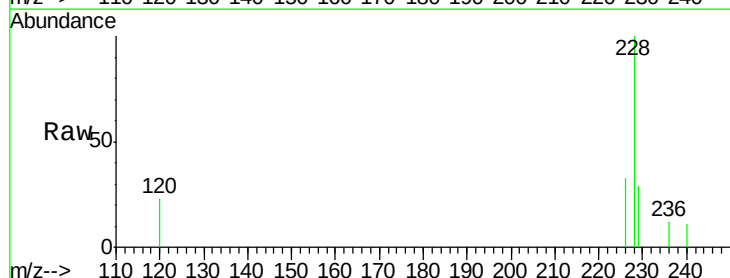
Instrument :
BNA_E
ClientSampleId :
D9KM4

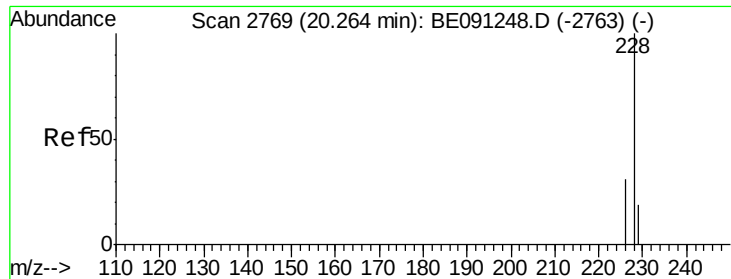
Tot Ion	Ratio	Lower	Upper
202	100		
200	1.9	18.0	27.0#
203	170.4	13.8	20.6#



#20
Benzo(a)anthracene
Concen: 0.02 ng/ul
RT: 20.20 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BE091252.D
Acq: 20 Nov 2015 19:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	23.0	34.4
229	29.2	15.2	22.8#





#21

Chrysene

Concen: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

Instrument :

BNA_E

ClientSampled :

D9KM4

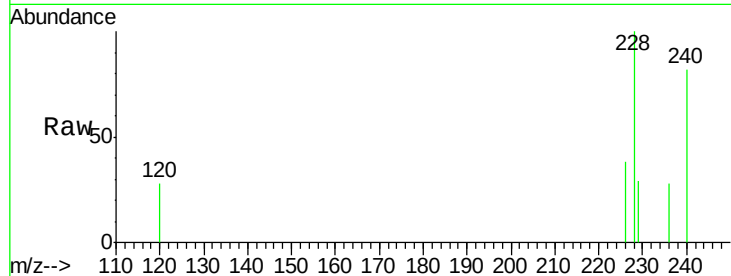
Tot Ion:228 Resp: 1425

Ion Ratio Lower Upper

228 100

226 37.7 25.7 38.5

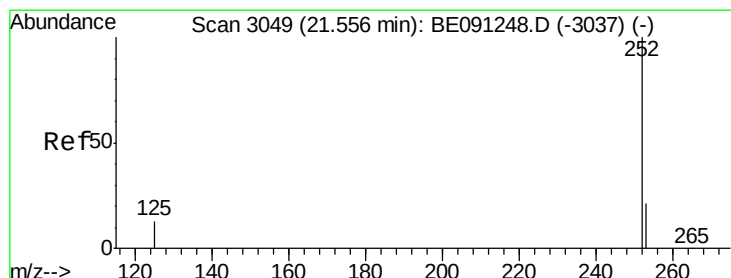
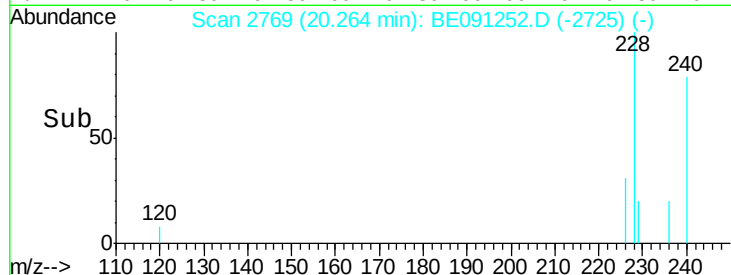
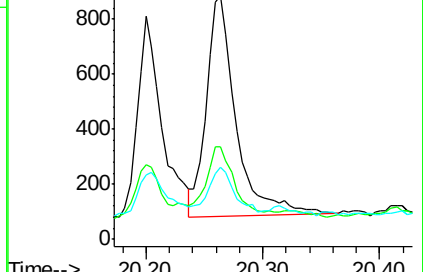
229 29.5 15.2 22.8#



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: 0.00 ng/ul

RT: 21.44 min Scan# 3024

Delta R.T. -0.11 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

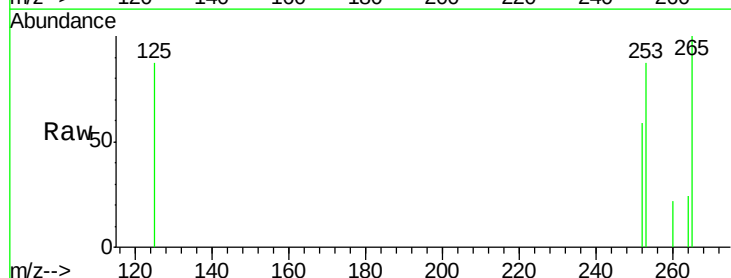
Tgt Ion:252 Resp: 18

Ion Ratio Lower Upper

252 100

253 146.3 0.0 48.0#

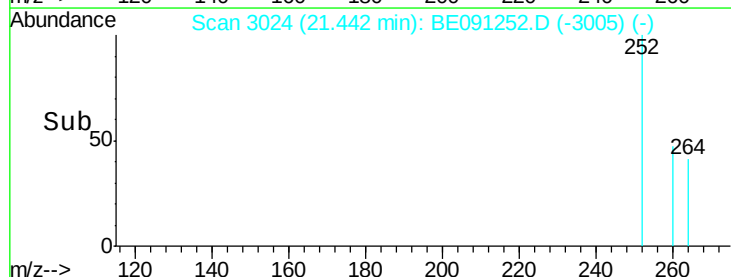
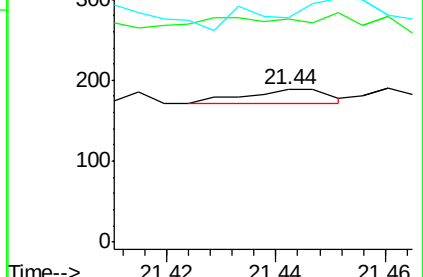
125 147.3 0.0 36.6#

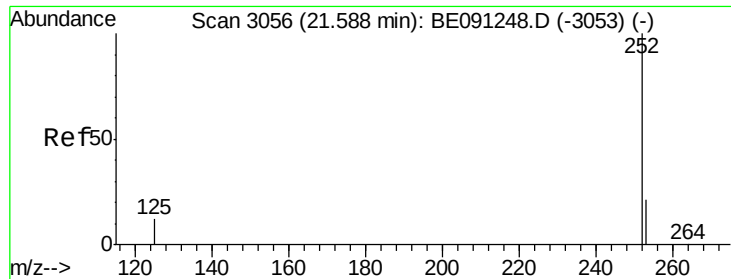


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

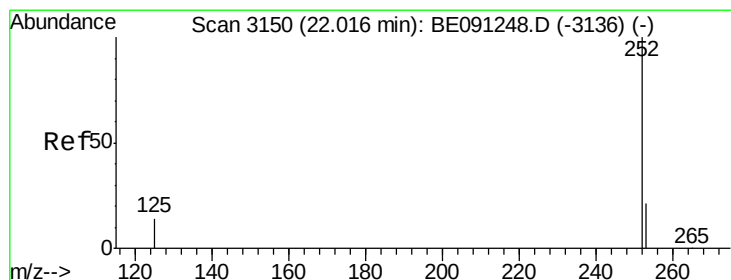
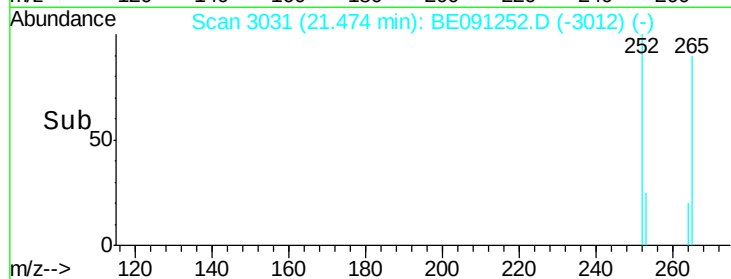
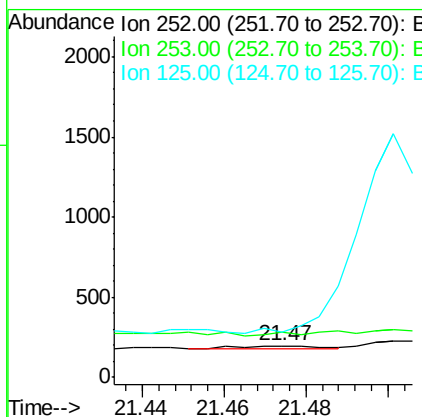
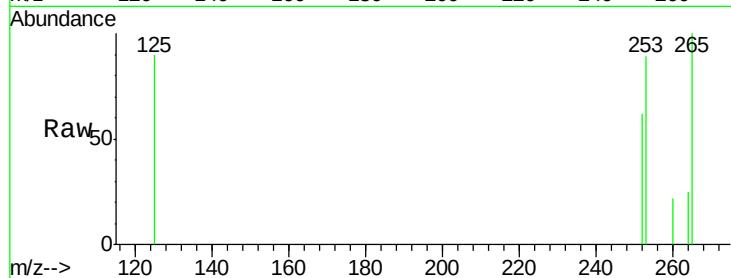




#24
Benzo(k)fluoranthene
Concen: 0.00 ng/ul
RT: 21.47 min Scan# 3031
Delta R.T. -0.11 min
Lab File: BE091252.D
Acq: 20 Nov 2015 19:06

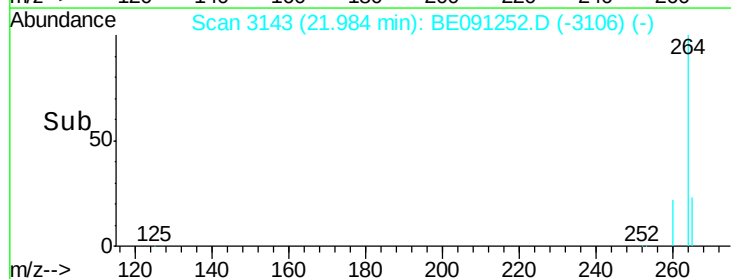
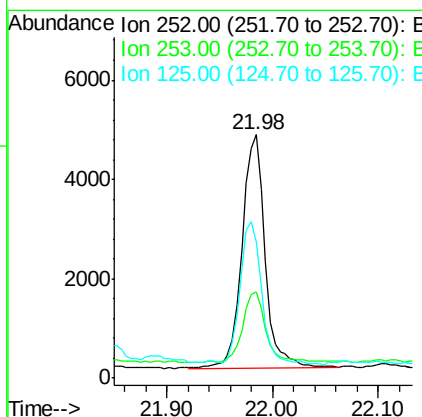
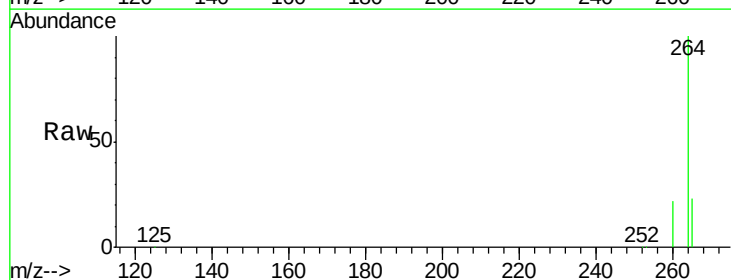
Instrument :
BNA_E
ClientSampleId :
D9KM4

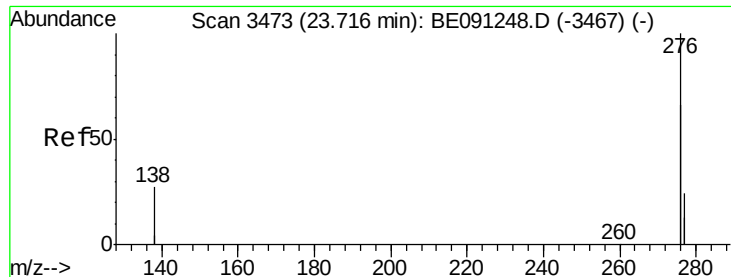
Tot Ion:252 Resp: 25
Ion Ratio Lower Upper
252 100
253 142.6 20.8 31.2#
125 144.2 12.2 18.4#



#25
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 21.98 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BE091252.D
Acq: 20 Nov 2015 19:06

Tgt Ion:252 Resp: 7176
Ion Ratio Lower Upper
252 100
253 35.4 21.8 32.8#
125 55.8 14.5 21.7#

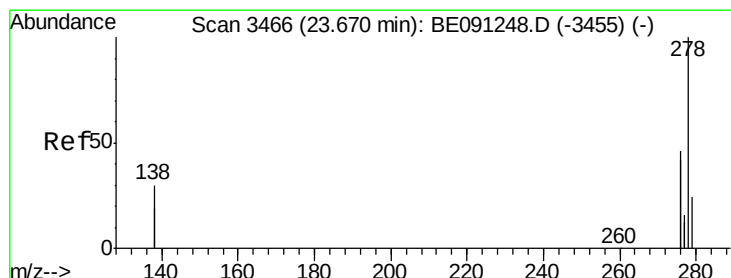
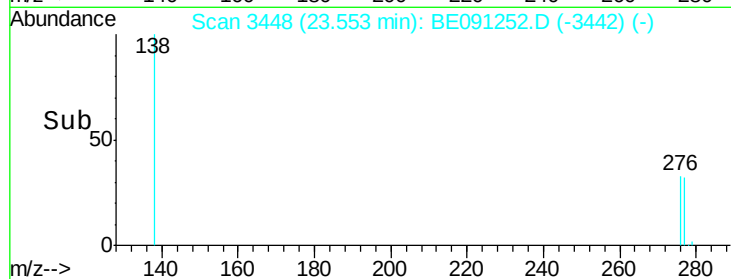
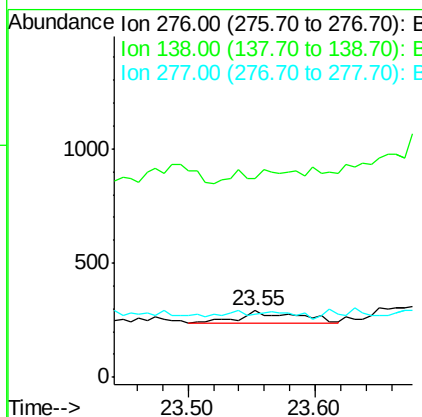
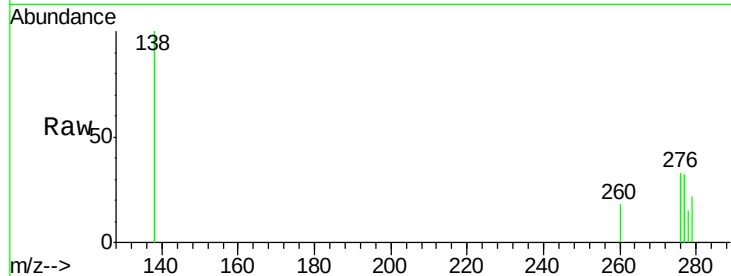




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.00 ng/ul
 RT: 23.55 min Scan# 3448
 Delta R.T. -0.16 min
 Lab File: BE091252.D
 Acq: 20 Nov 2015 19:06

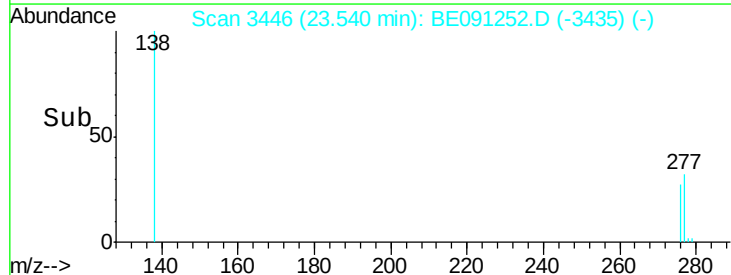
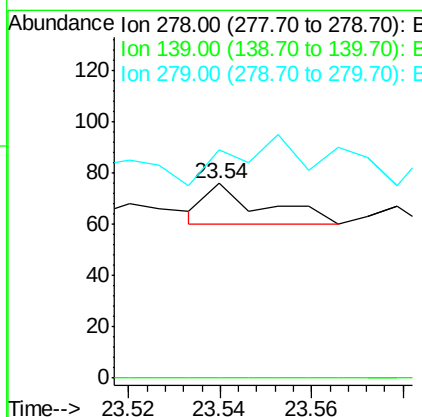
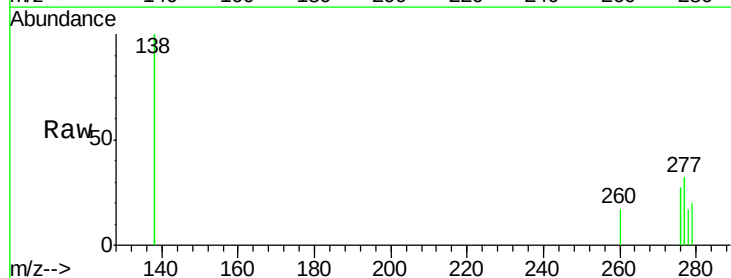
Instrument :
 BNA_E
 ClientSampleId :
 D9KM4

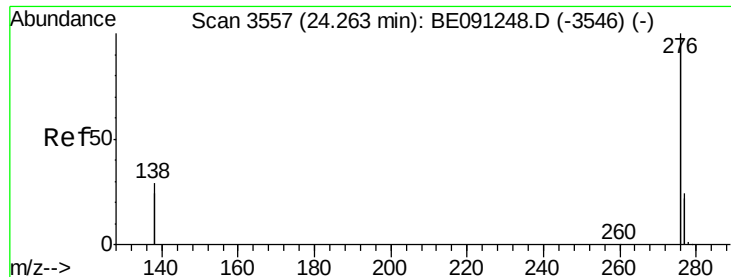
Tot Ion:276 Resp: 166
 Ion Ratio Lower Upper
 276 100
 138 41.6 27.5 41.3#
 277 37.3 19.3 28.9#



#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 23.54 min Scan# 3446
 Delta R.T. -0.13 min
 Lab File: BE091252.D
 Acq: 20 Nov 2015 19:06

Tgt Ion:278 Resp: 14
 Ion Ratio Lower Upper
 278 100
 139 0.0 21.7 32.5#
 279 117.1 21.9 32.9#





#28

Benzo(a,h,i)perylene

Concen: 0.00 ng/ul

RT: 24.12 min Scan# 3535

Delta R.T. -0.14 min

Lab File: BE091252.D

Acq: 20 Nov 2015 19:06

Instrument :

BNA_E

ClientSampleId :

D9KM4

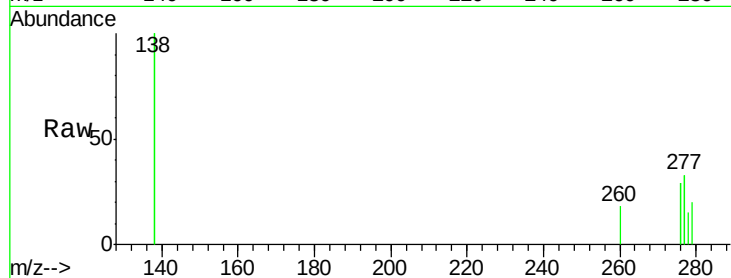
Tot Ion:276 Resp: 18

Ion Ratio Lower Upper

276 100

277 113.5 21.3 31.9#

138 346.8 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

