

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112215\
 Data File : BE091271.D
 Acq On : 21 Nov 2015 11:02
 Operator : UM/NP
 Sample : G4310-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KM8

Quant Time: Nov 22 00:48:01 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 : Sun Nov 22 00:42:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3825	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.54	136	18093	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	10169	0.40	ng/ul	-0.01
12) Phenanthrene-d10	16.16	188	1670655	0.40	ng/ul	0.07
18) Chrysene-d12	20.23	240	25330	0.40	ng/ul	0.00
22) Perylene-d12	21.98	264	1939095	0.40	ng/ul	-0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	30816	11.20	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	11.05	152	8083	0.33	ng/ul	-0.01
16) Fluoranthene-d10	18.07	212	23096	0.00	ng/ul	0.00

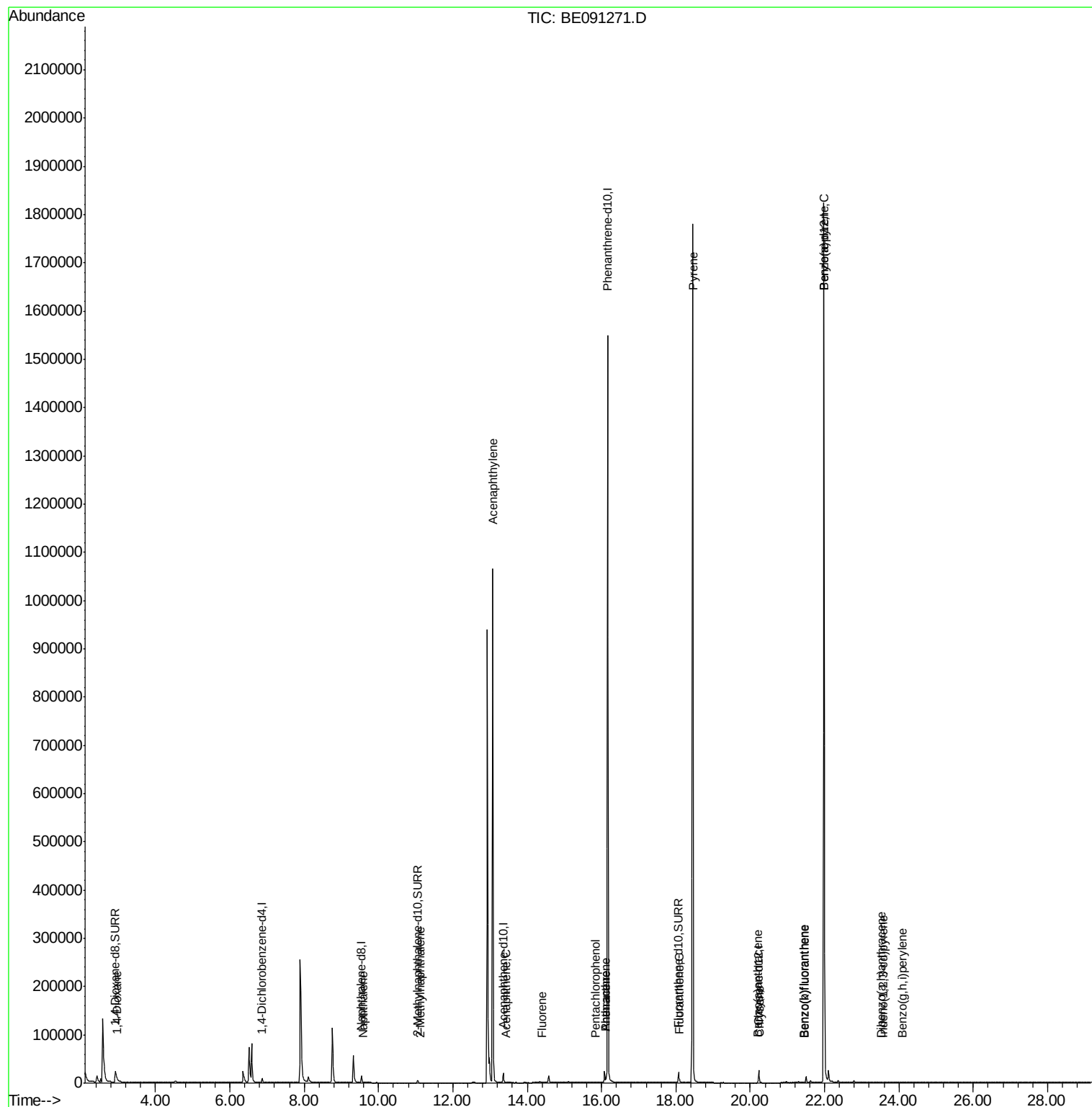
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.98	88	90	0.03	ng/ul#	46
5) Naphthalene	9.58	128	581	0.01	ng/ul#	30
7) 2-Methylnaphthalene	11.12	142	114	0.00	ng/ul	97
9) Acenaphthylene	13.07	152	239	0.00	ng/ul#	1
10) Acenaphthene	13.42	153	93	0.00	ng/ul#	67
11) Fluorene	14.40	166	302	0.01	ng/ul#	87
13) Pentachlorophenol	15.85	266	266	0.00	ng/ul	90
14) Phenanthrene	16.11	178	12179	0.00	ng/ul	96
15) Anthracene	16.11	178	7858	0.00	ng/ul	96
17) Fluoranthene	18.09	202	8830	0.00	ng/ul	84
19) Pyrene	18.45	202	19696	0.07	ng/ul#	1
20) Benzo(a)anthracene	20.20	228	1121	0.02	ng/ul#	81
21) Chrysene	20.26	228	1540	0.02	ng/ul#	88
23) Benzo(b)fluoranthene	21.44	252	17	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	21.45	252	13	0.00	ng/ul#	1
25) Benzo(a)pyrene	21.98	252	7615	0.00	ng/ul#	35
26) Indeno(1,2,3-cd)pyrene	23.56	276	40	0.00	ng/ul#	12
27) Dibenzo(a,h)anthracene	23.53	278	9	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	24.08	276	38	0.00	ng/ul#	1

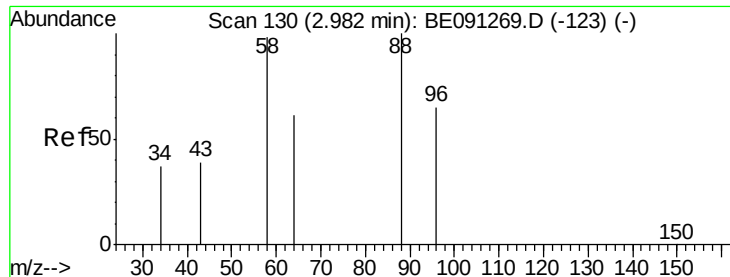
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. -0.00 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Instrument :

BNA_E

ClientSampleId :

D9KM8

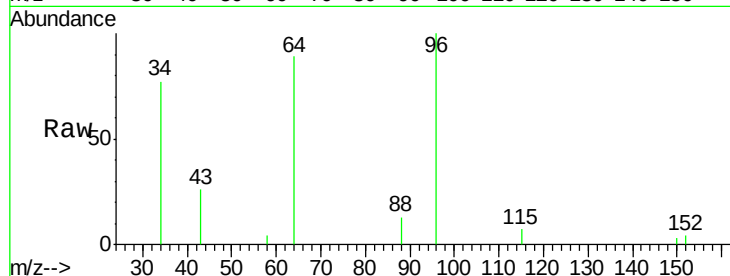
Tgt Ion: 88 Resp: 90

Ion Ratio Lower Upper

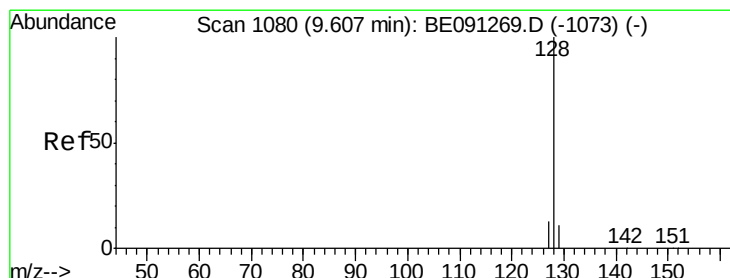
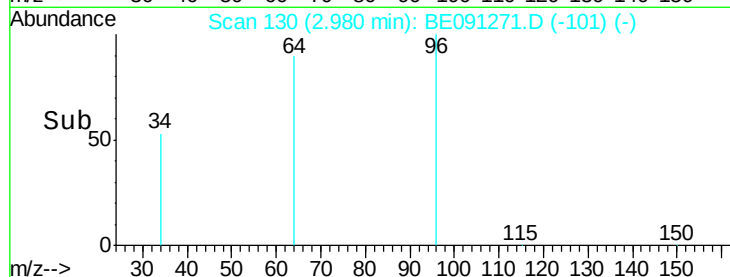
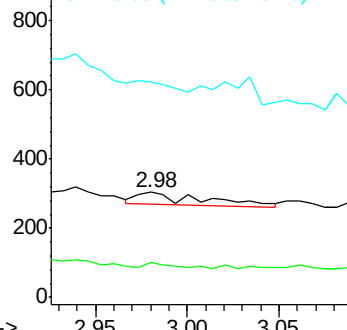
88 100

58 25.6 55.4 83.2#

43 0.0 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: 0.01 ng/ul

RT: 9.58 min Scan# 1077

Delta R.T. -0.02 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

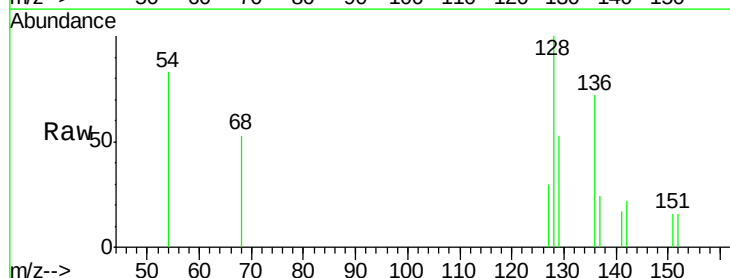
Tgt Ion: 128 Resp: 581

Ion Ratio Lower Upper

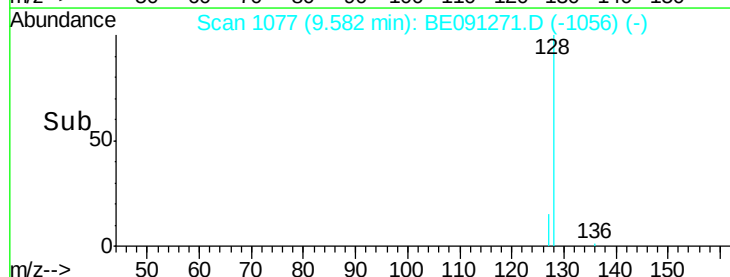
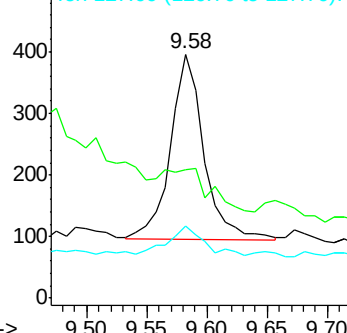
128 100

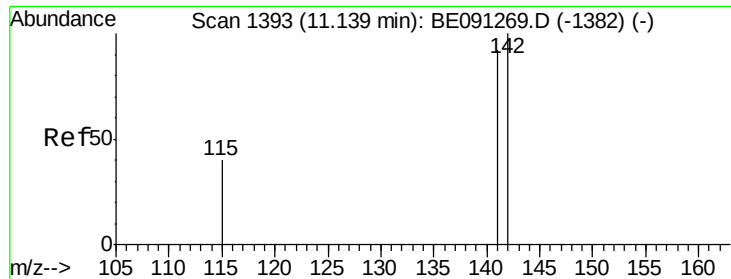
129 52.5 9.8 14.8#

127 29.5 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: 0.00 ng/ul

RT: 11.12 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Instrument :

BNA_E

ClientSampleId :

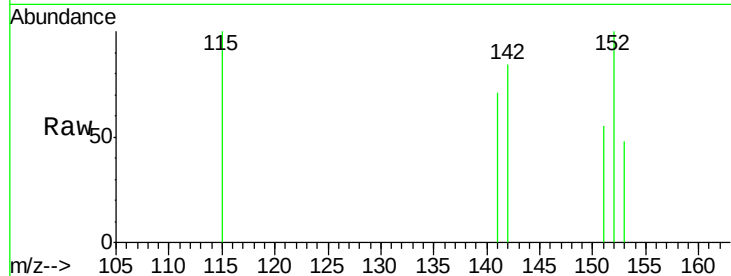
D9KM8

Tgt Ion:142 Resp: 114

Ion Ratio Lower Upper

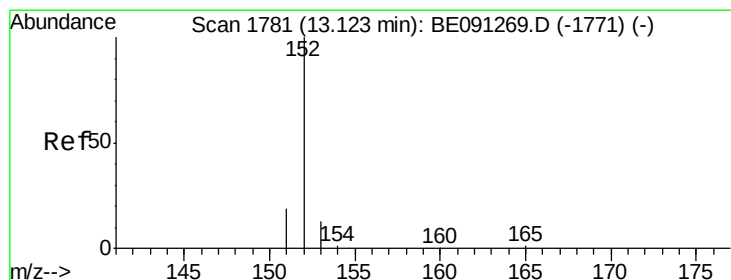
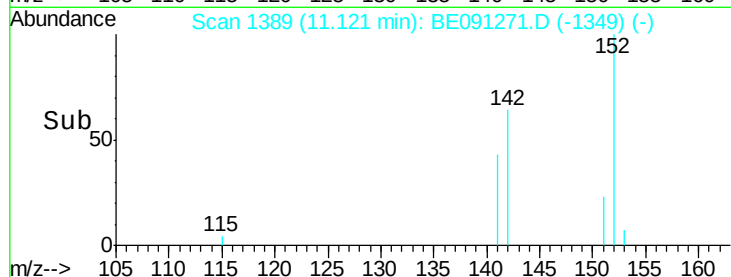
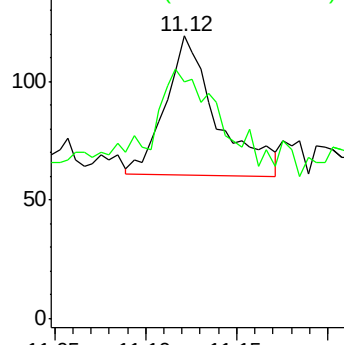
142 100

141 85.1 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: 13.07 min Scan# 1774

Delta R.T. -0.05 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

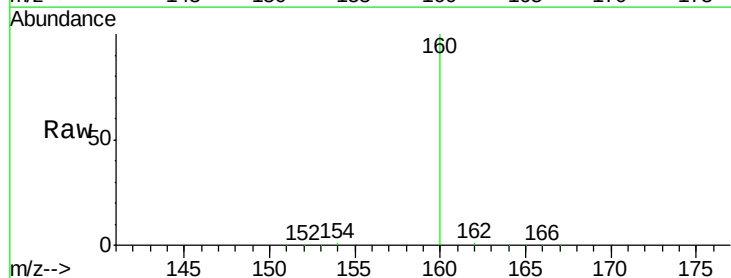
Tgt Ion:152 Resp: 239

Ion Ratio Lower Upper

152 100

151 75.6 16.8 25.2#

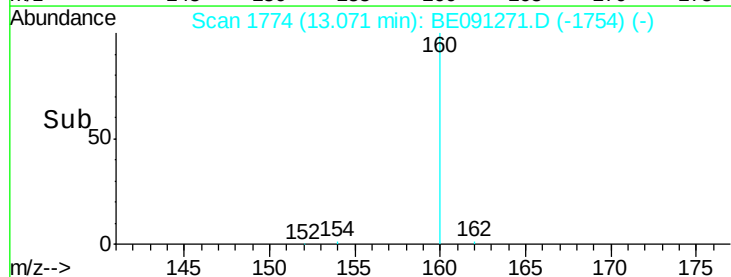
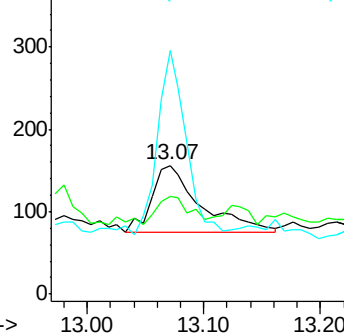
153 189.7 11.3 16.9#

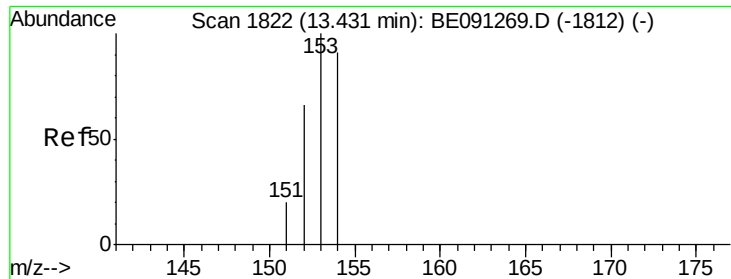


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 13.42 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Instrument :

BNA_E

ClientSampleId :

D9KM8

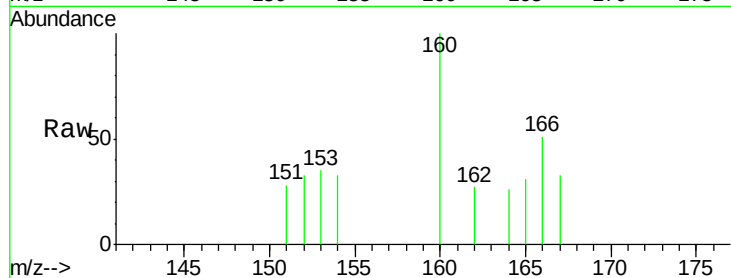
Tgt Ion:153 Resp: 93

Ion Ratio Lower Upper

153 100

152 95.0 42.3 63.5#

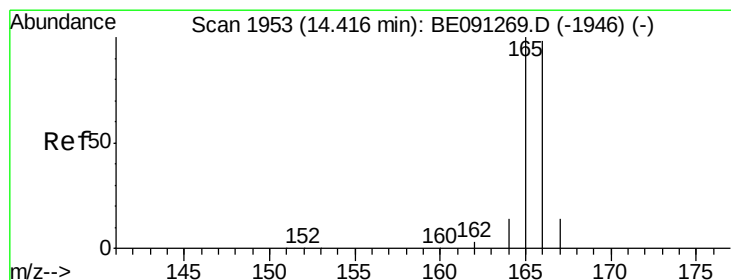
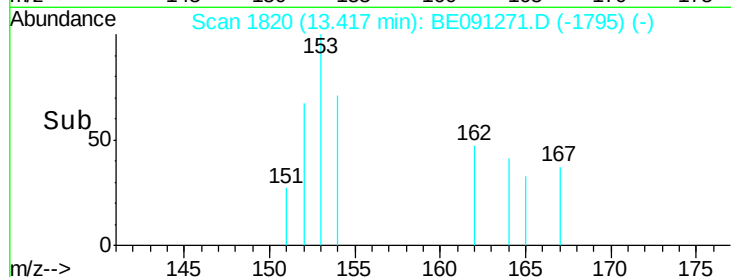
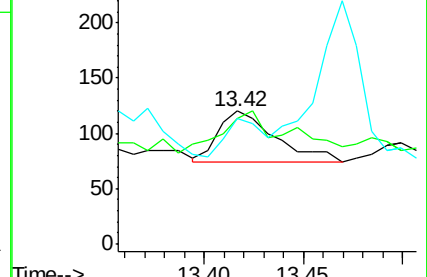
154 94.2 64.7 97.1



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: 14.40 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

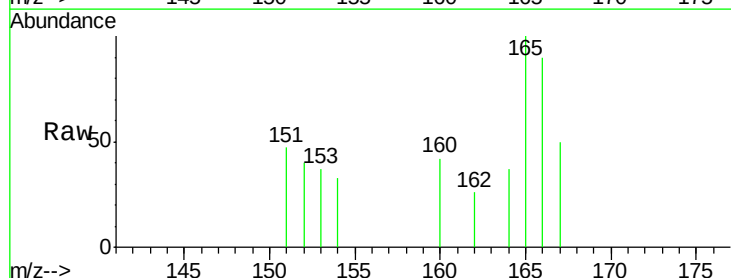
Tgt Ion:166 Resp: 302

Ion Ratio Lower Upper

166 100

165 111.6 87.6 131.4

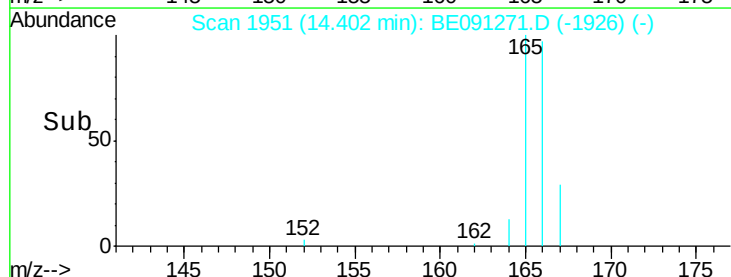
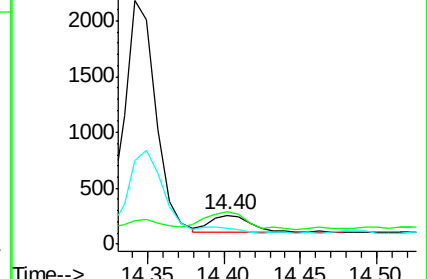
167 55.8 11.1 16.7#

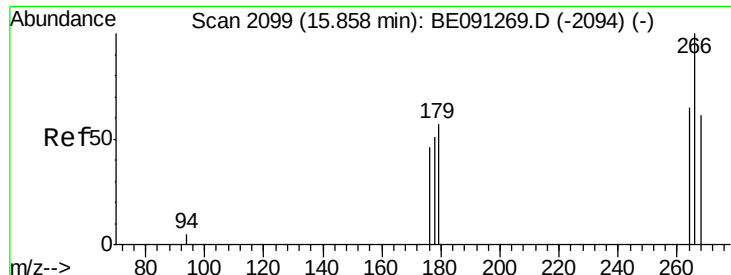


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

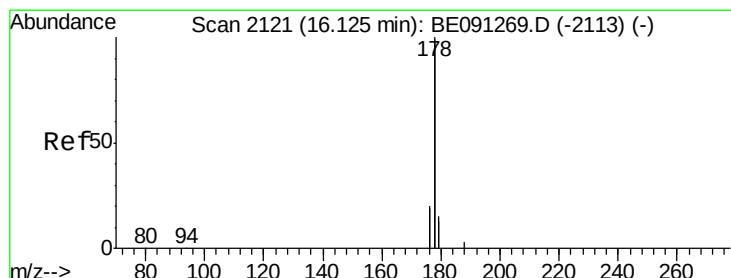
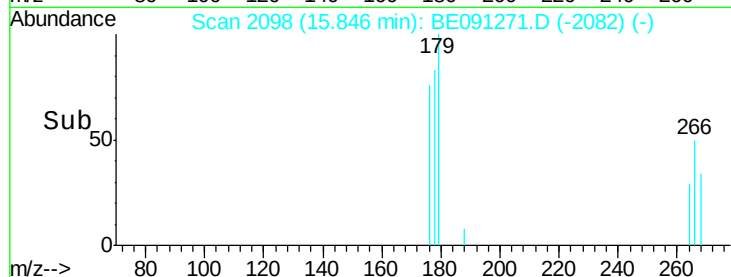
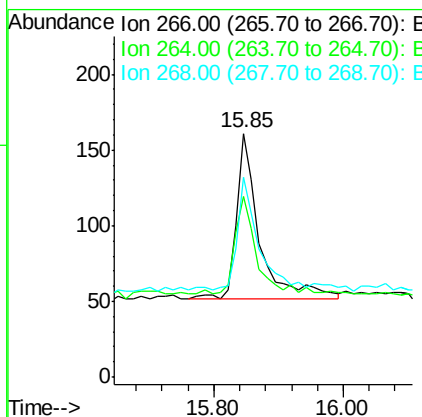
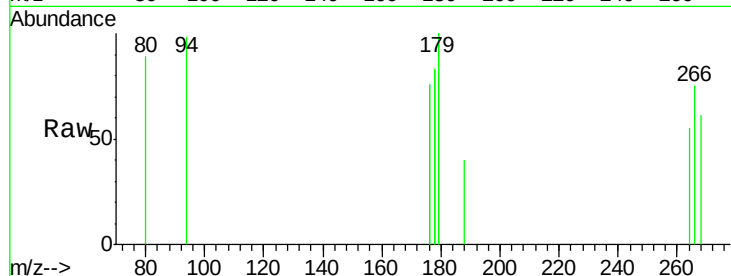




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 15.85 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BE091271.D
 Acq: 21 Nov 2015 11:02

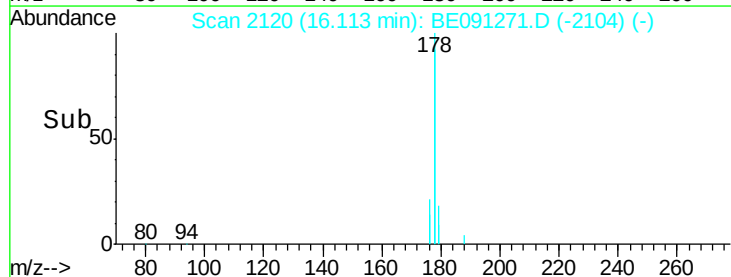
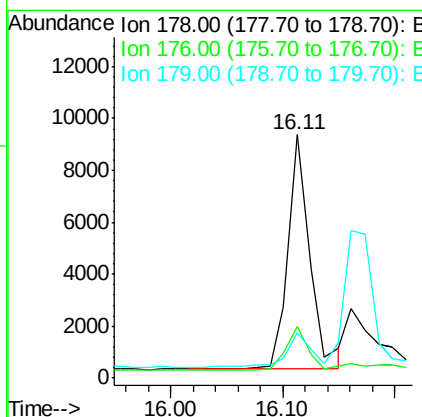
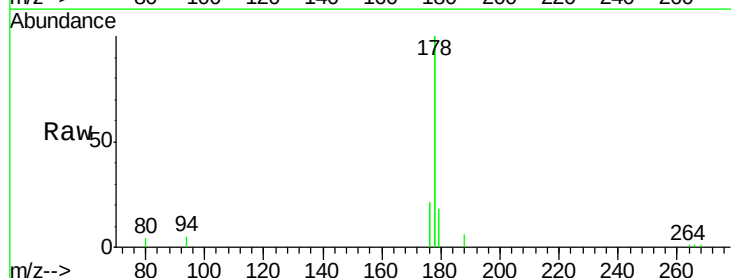
Instrument :
 BNA_E
 ClientSampleId :
 D9KM8

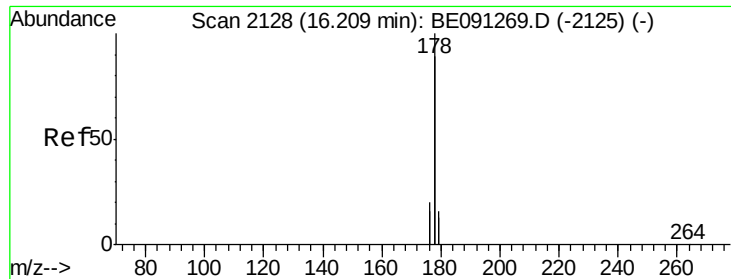
Tgt Ion: 266 Resp: 266
 Ion Ratio Lower Upper
 266 100
 264 56.4 53.5 80.3
 268 61.7 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.01 min
 Lab File: BE091271.D
 Acq: 21 Nov 2015 11:02

Tgt Ion: 178 Resp: 12179
 Ion Ratio Lower Upper
 178 100
 176 21.1 16.2 24.4
 179 18.5 12.8 19.2

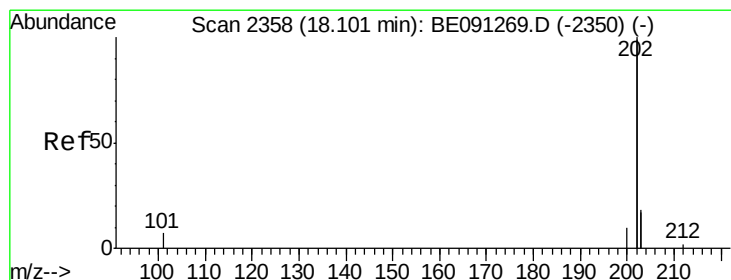
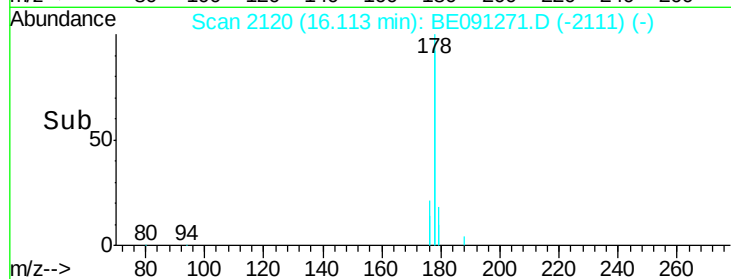
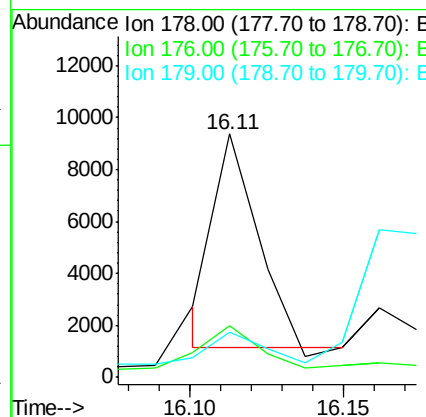
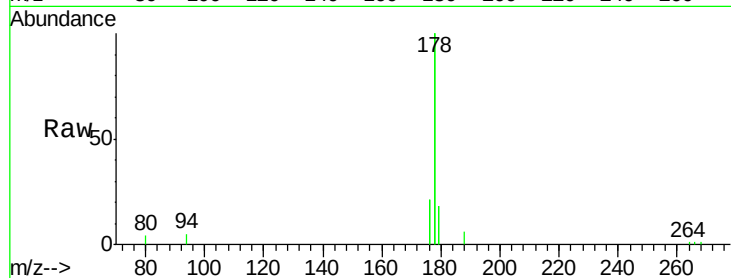




#15
 Anthracene
 Concen: 0.00 ng/ul
 RT: 16.11 min Scan# 2120
 Delta R.T. -0.10 min
 Lab File: BE091271.D
 Acq: 21 Nov 2015 11:02

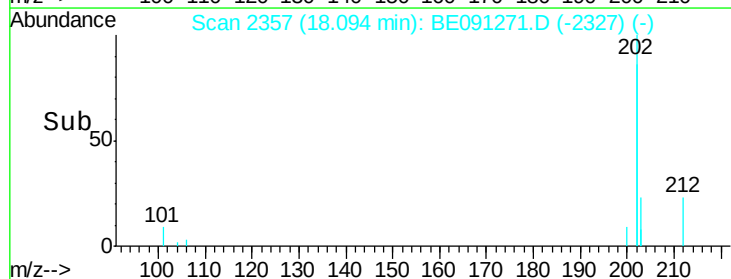
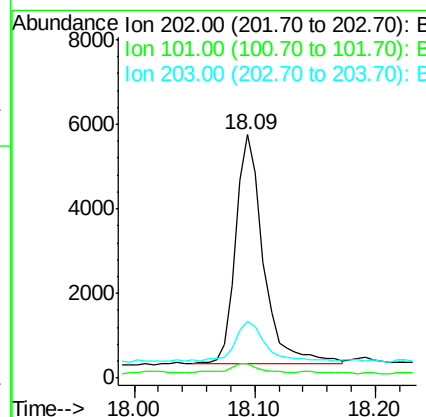
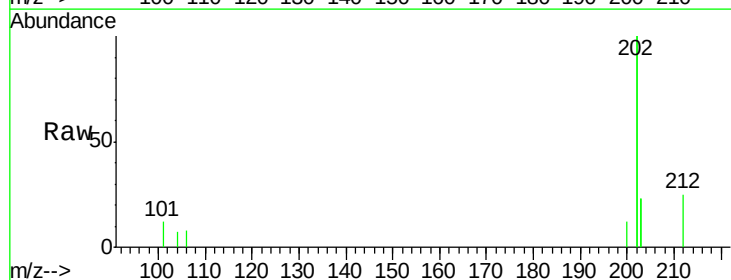
Instrument :
 BNA_E
 ClientSampleId :
 D9KM8

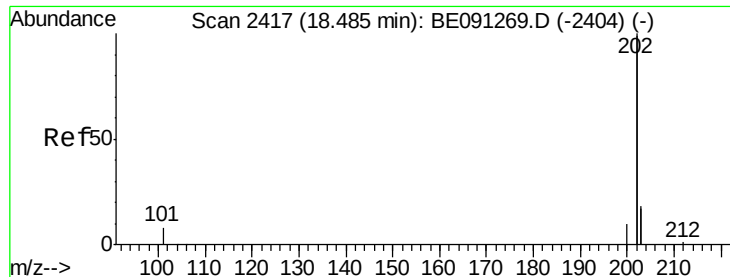
Tgt Ion:178 Resp: 7858
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.8 23.8
 179 18.5 13.3 19.9



#17
 Fluoranthene
 Concen: 0.00 ng/ul
 RT: 18.09 min Scan# 2357
 Delta R.T. -0.01 min
 Lab File: BE091271.D
 Acq: 21 Nov 2015 11:02

Tgt Ion:202 Resp: 8830
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 33.1
 203 23.5 0.0 37.2

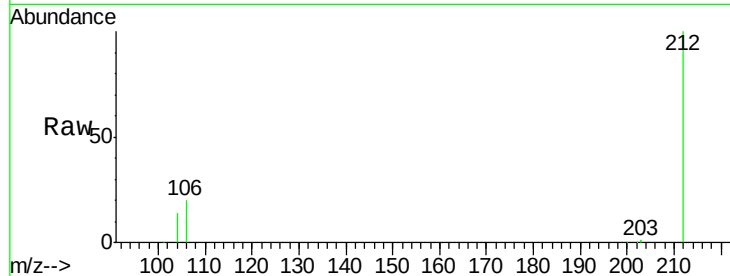




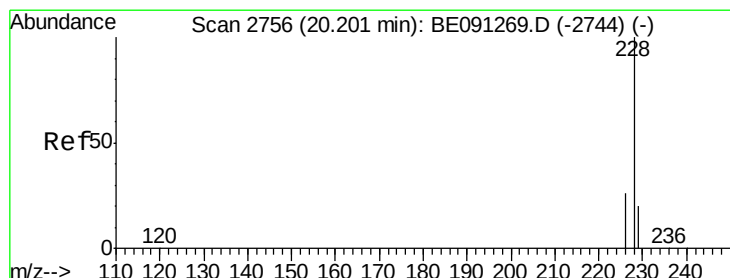
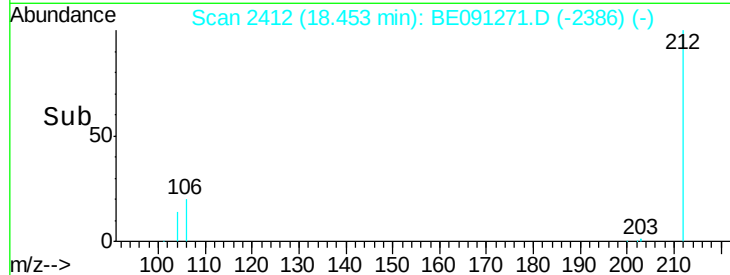
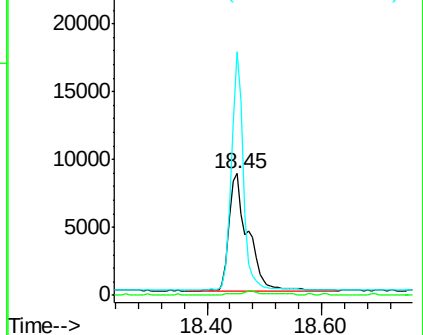
#19
Pyrene
Concen: 0.07 ng/ul
RT: 18.45 min Scan# 2412
Delta R.T. -0.03 min
Lab File: BE091271.D
Acq: 21 Nov 2015 11:02

Instrument :
BNA_E
ClientSampleId :
D9KM8

Tgt Ion:202 Resp: 19696
Ion Ratio Lower Upper
202 100
200 1.8 18.0 27.0#
203 200.5 13.8 20.6#

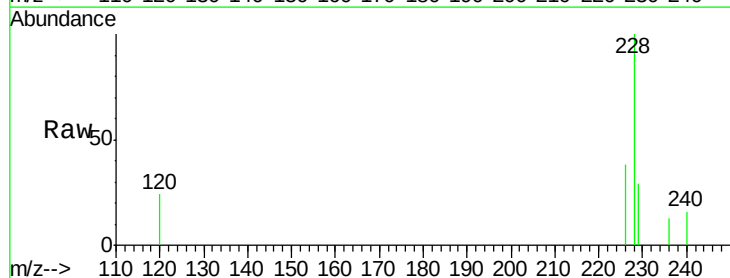


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

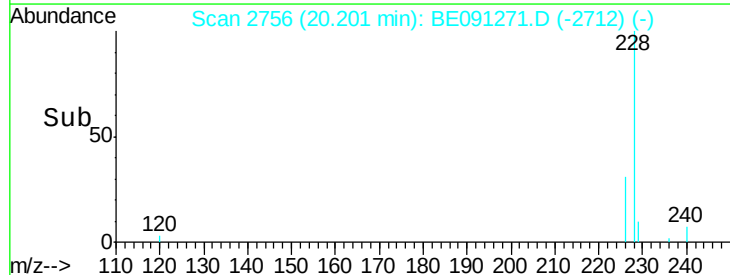
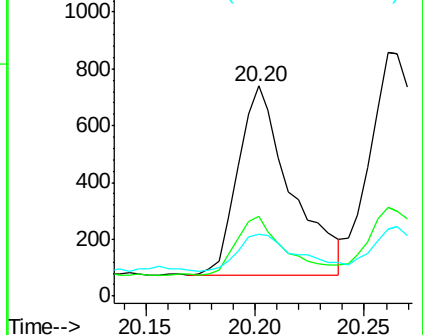


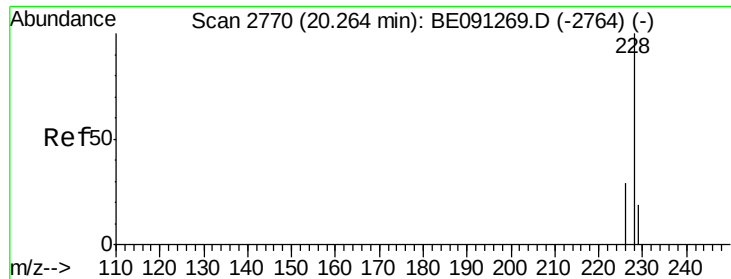
#20
Benzo(a)anthracene
Concen: 0.02 ng/ul
RT: 20.20 min Scan# 2756
Delta R.T. 0.00 min
Lab File: BE091271.D
Acq: 21 Nov 2015 11:02

Tgt Ion:228 Resp: 1121
Ion Ratio Lower Upper
228 100
226 38.0 23.0 34.4#
229 29.2 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: 0.02 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Instrument :

BNA_E

ClientSampleId :

D9KM8

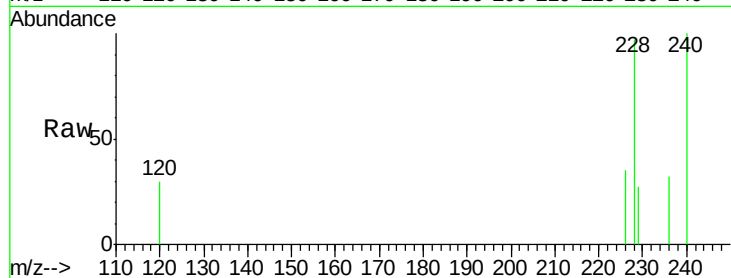
Tgt Ion:228 Resp: 1540

Ion Ratio Lower Upper

228 100

226 36.4 25.7 38.5

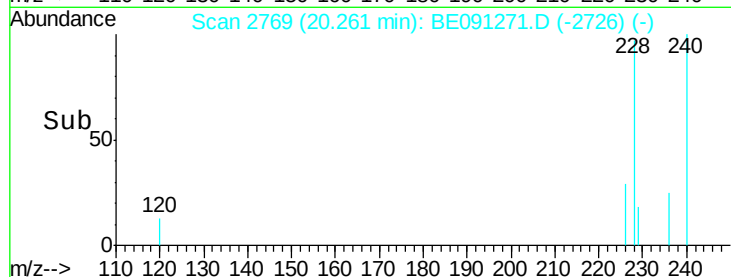
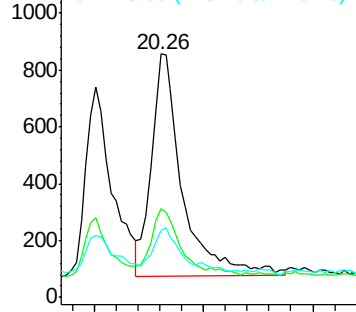
229 27.5 15.2 22.8#



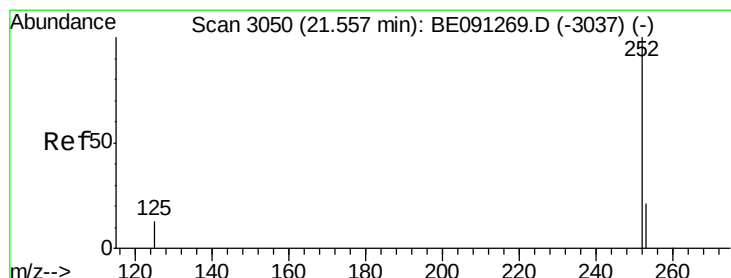
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 20.20 20.30 20.40



#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 21.44 min Scan# 3024

Delta R.T. -0.12 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

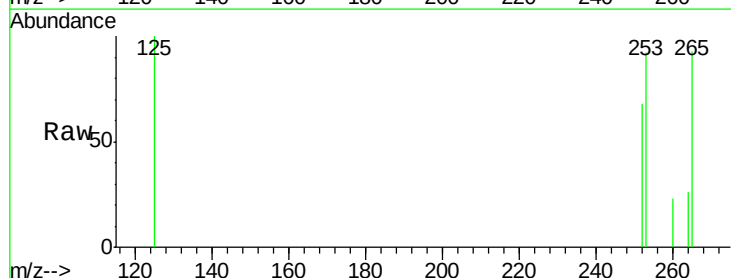
Tgt Ion:252 Resp: 17

Ion Ratio Lower Upper

252 100

253 134.7 0.0 48.0#

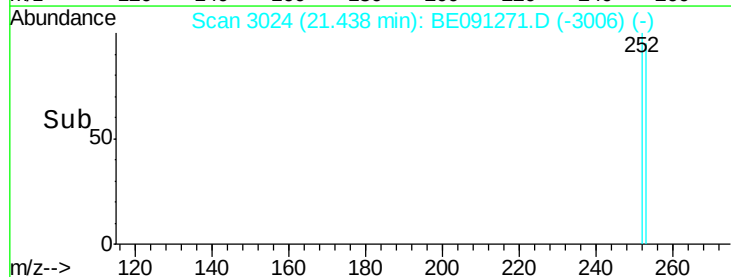
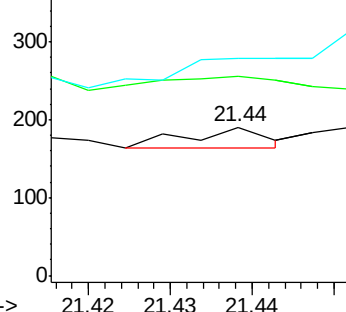
125 146.3 0.0 36.6#



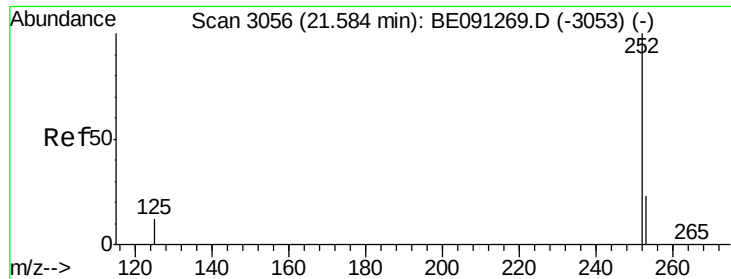
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 21.42 21.43 21.44



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 21.45 min Scan# 3027

Delta R.T. -0.13 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

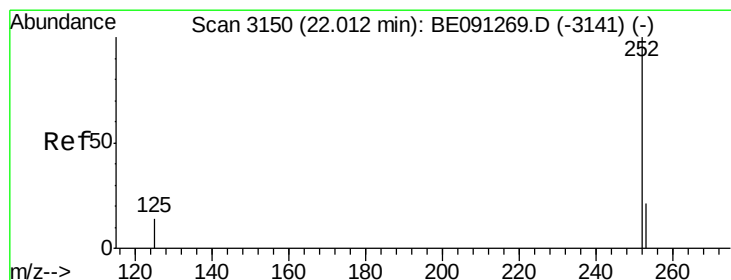
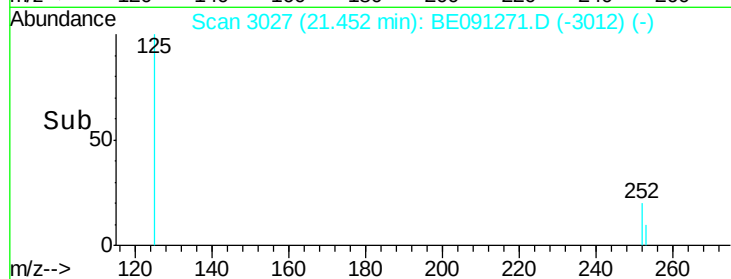
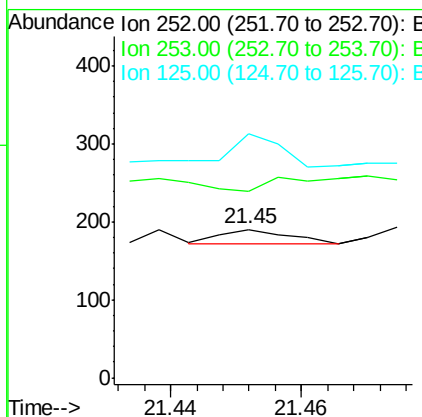
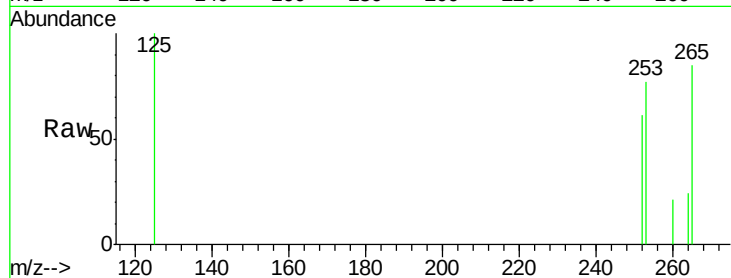
Instrument :

BNA_E

ClientSampleId :

D9KM8

Tgt Ion:	252	Resp:	13
Ion	Ratio	Lower	Upper
252	100		
253	126.3	20.8	31.2#
125	164.7	12.2	18.4#



#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

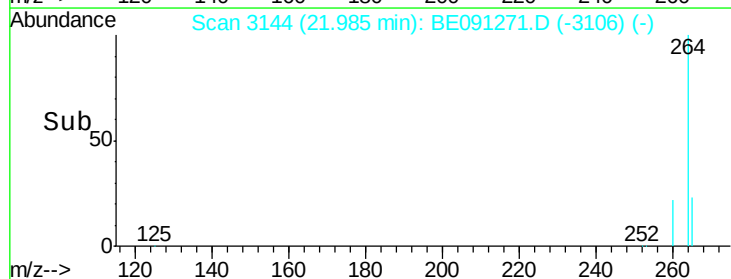
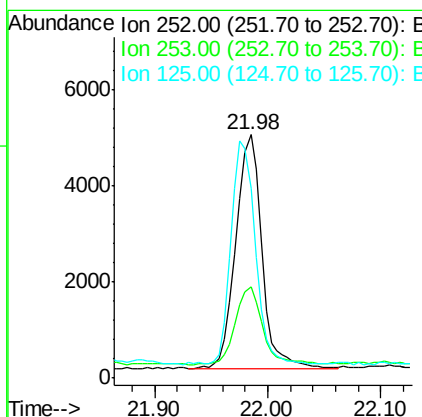
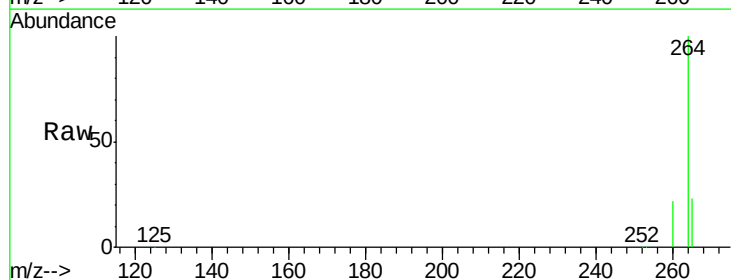
RT: 21.98 min Scan# 3144

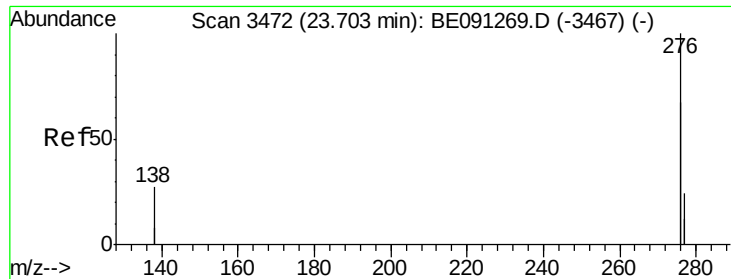
Delta R.T. -0.03 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Tgt Ion:	252	Resp:	7615
Ion	Ratio	Lower	Upper
252	100		
253	37.3	21.8	32.8#
125	78.0	14.5	21.7#





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 23.56 min Scan# 3450

Delta R.T. -0.14 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Instrument :

BNA_E

ClientSampleId :

D9KM8

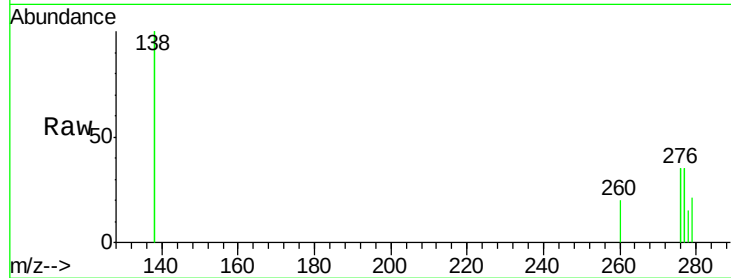
Tgt Ion: 276 Resp: 40

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

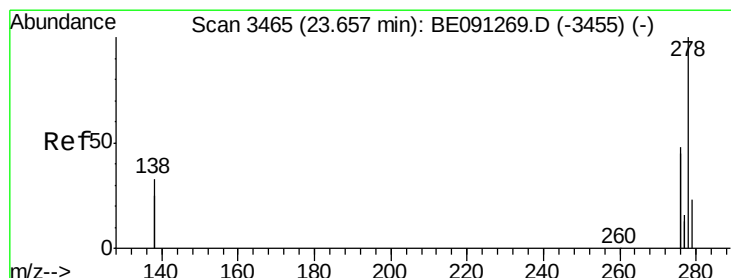
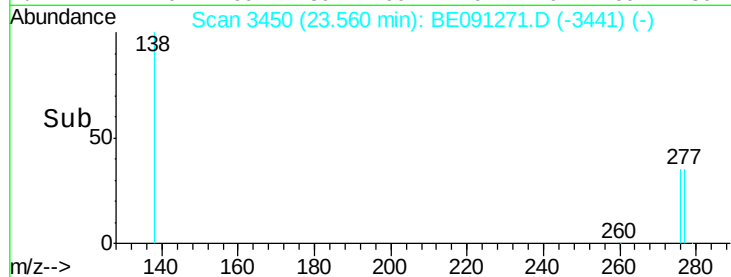
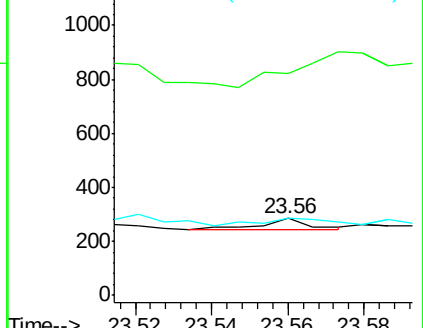
277 87.5 19.3 28.9#



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: 0.00 ng/ul

RT: 23.53 min Scan# 3445

Delta R.T. -0.13 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

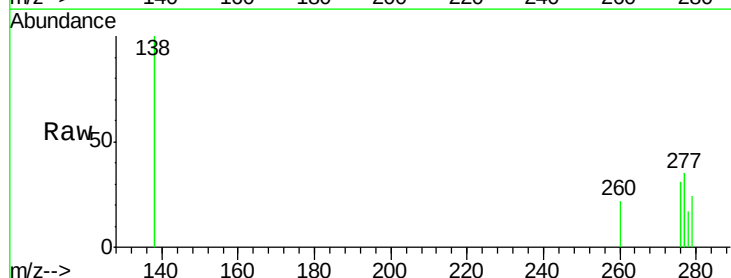
Tgt Ion: 278 Resp: 9

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

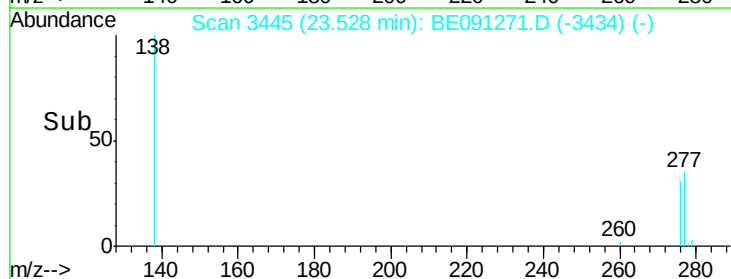
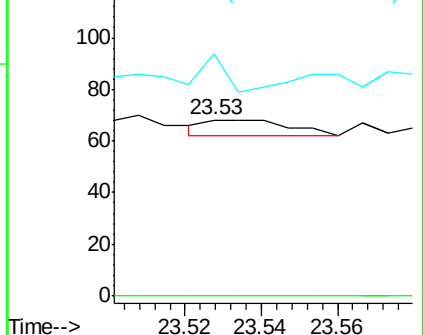
279 138.2 21.9 32.9#

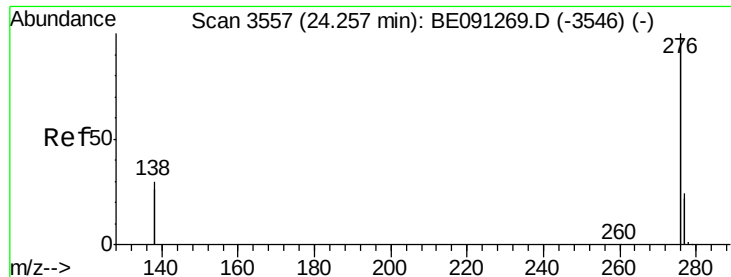


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 24.08 min Scan# 3530

Delta R.T. -0.18 min

Lab File: BE091271.D

Acq: 21 Nov 2015 11:02

Instrument :

BNA_E

ClientSampleId :

D9KM8

Tgt Ion: 276 Resp: 38

Ion Ratio Lower Upper

276 100

277 107.0 21.3 31.9#

138 341.9 25.5 38.3#

