

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091297.D
 Acq On : 23 Nov 2015 12:54
 Operator : UM/NP
 Sample : G4322-07RX
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR8RX

Quant Time: Nov 24 00:38:56 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 : Tue Nov 24 00:31:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	2781	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	13268	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	6260	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.08	188	15857	0.40	ng/ul	-0.01
18) Chrysene-d12	20.22	240	19472	0.40	ng/ul	0.00
22) Perylene-d12	22.10	264	22185	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.94	96	10870	5.43	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	11.07	152	1768	0.10	ng/ul	0.00
16) Fluoranthene-d10	18.06	212	3769	0.08	ng/ul	0.00

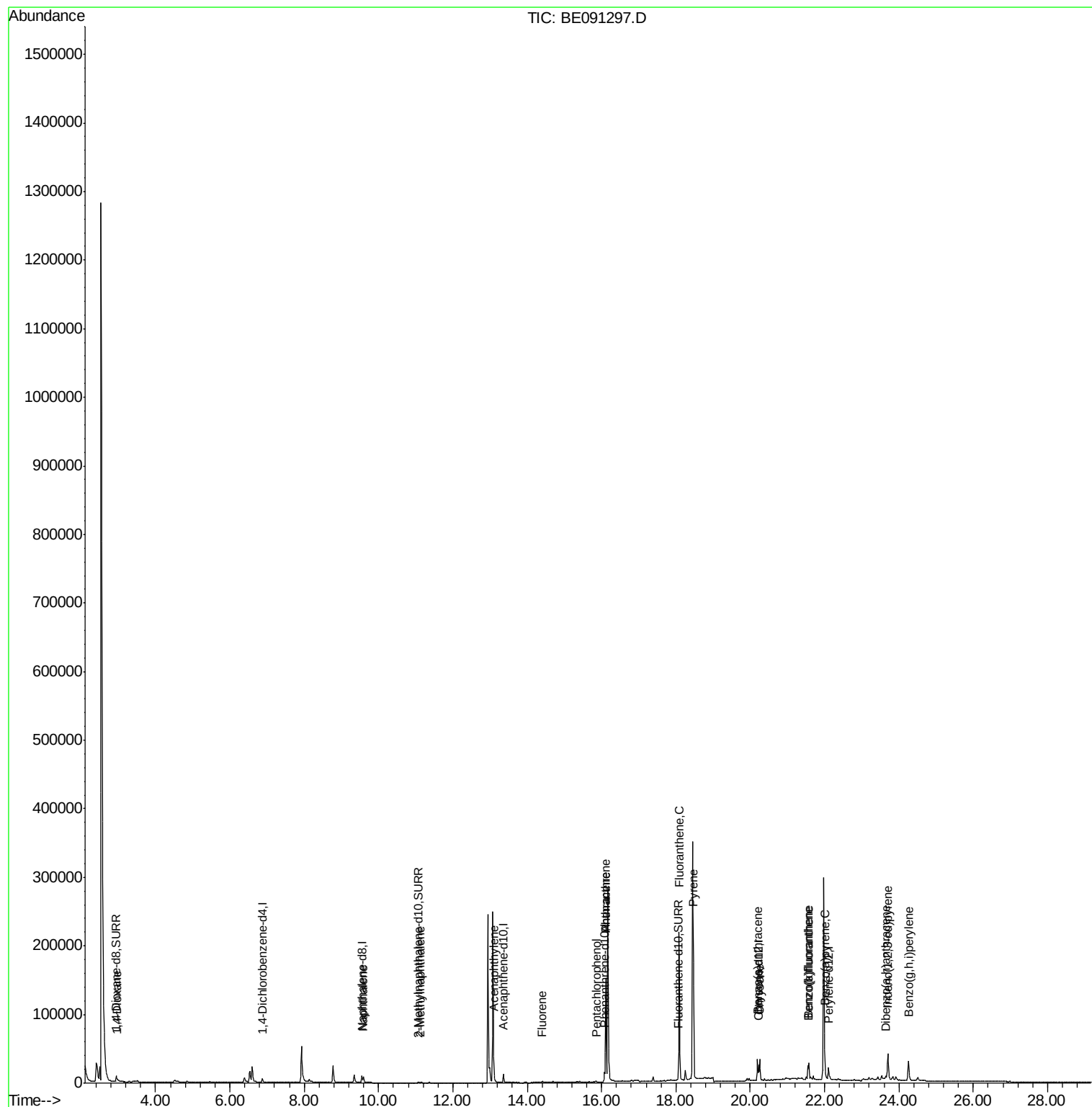
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.98	88	94	0.04	ng/ul#	24
5) Naphthalene	9.59	128	11878	0.36	ng/ul	99
7) 2-Methylnaphthalene	11.13	142	1404	0.07	ng/ul	99
9) Acenaphthylene	13.11	152	4960	0.16	ng/ul	98
11) Fluorene	14.41	166	1674	0.06	ng/ul#	88
13) Pentachlorophenol	15.86	266	362	0.24	ng/ul	95
14) Phenanthrene	16.11	178	154651	0.84	ng/ul	99
15) Anthracene	16.11	178	154651	0.93	ng/ul	98
17) Fluoranthene	18.09	202	235795	1.10	ng/ul	90
19) Pyrene	18.47	202	194372	0.88	ng/ul#	78
20) Benzo(a)anthracene	20.19	228	25864	0.52	ng/ul#	94
21) Chrysene	20.26	228	29862	0.52	ng/ul#	93
23) Benzo(b)fluoranthene	21.55	252	19853	0.29	ng/ul	86
24) Benzo(k)fluoranthene	21.58	252	24141	0.34	ng/ul#	84
25) Benzo(a)pyrene	22.01	252	22710	0.36	ng/ul#	88
26) Indeno(1,2,3-cd)pyrene	23.70	276	54286	0.20	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.65	278	5007	0.08	ng/ul#	62
28) Benzo(g,h,i)perylene	24.26	276	44223	0.16	ng/ul	96

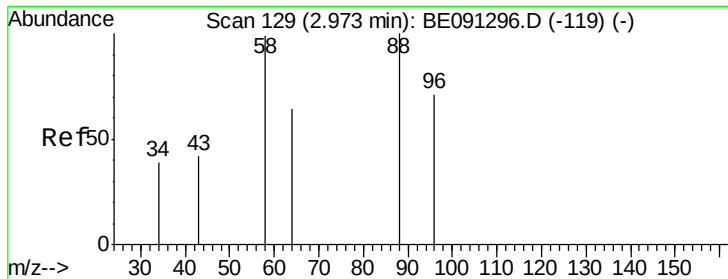
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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#3

1,4-Dioxane

Concen: 0.04 ng/ul

RT: 2.98 min Scan# 130

Delta R.T. 0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampled :

A4HR8RX

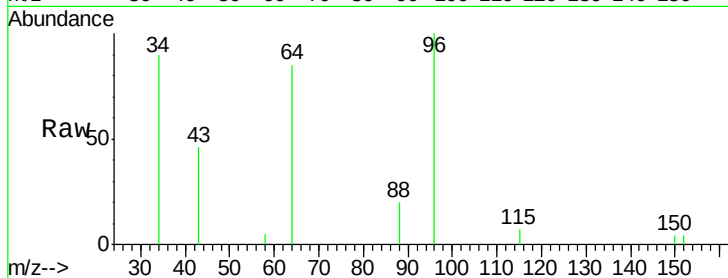
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

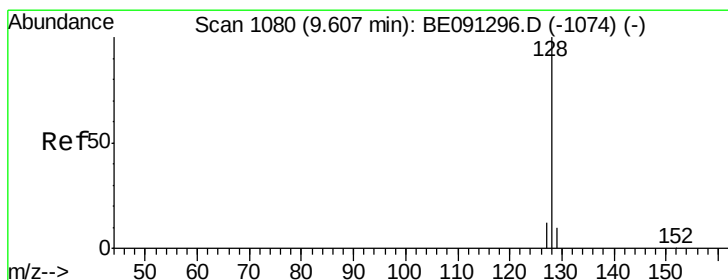
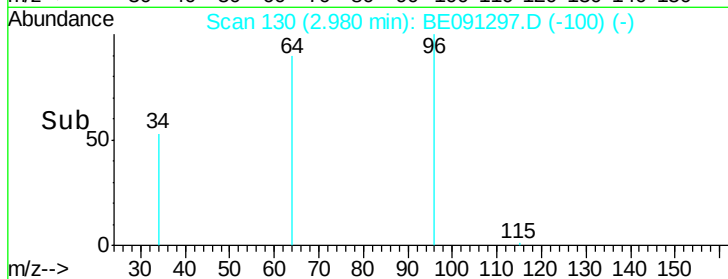
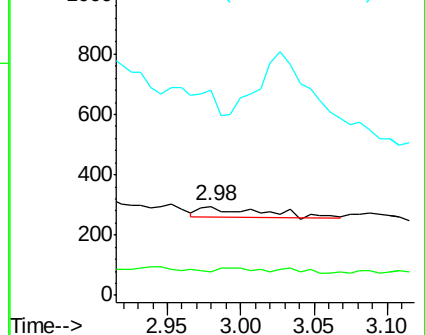
43 0.0 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BE091297.D (-100) (-)

Ion 58.00 (57.70 to 58.70): BE091297.D (-100) (-)

Ion 43.00 (42.70 to 43.70): BE091297.D (-100) (-)



#5

Naphthalene

Concen: 0.36 ng/ul

RT: 9.59 min Scan# 1078

Delta R.T. -0.02 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

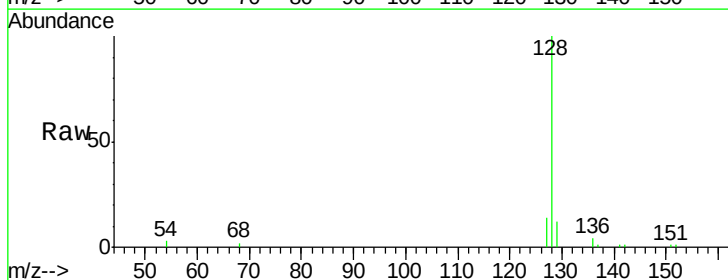
Tgt Ion: 128 Resp: 11878

Ion Ratio Lower Upper

128 100

129 12.5 9.8 14.8

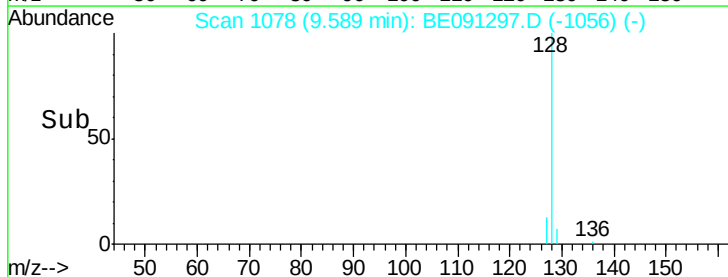
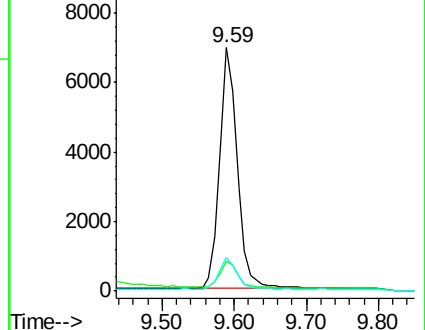
127 13.9 10.7 16.1

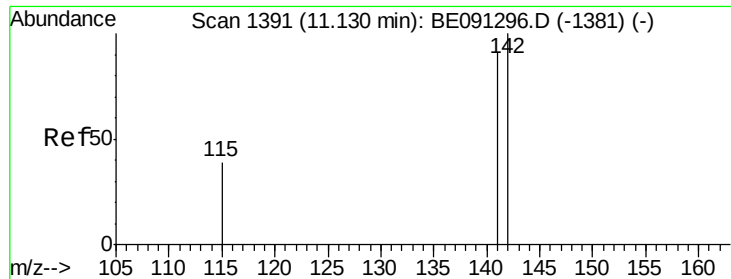


Abundance Ion 128.00 (127.70 to 128.70): BE091297.D (-1056) (-)

Ion 129.00 (128.70 to 129.70): BE091297.D (-1056) (-)

Ion 127.00 (126.70 to 127.70): BE091297.D (-1056) (-)





#7

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampleId :

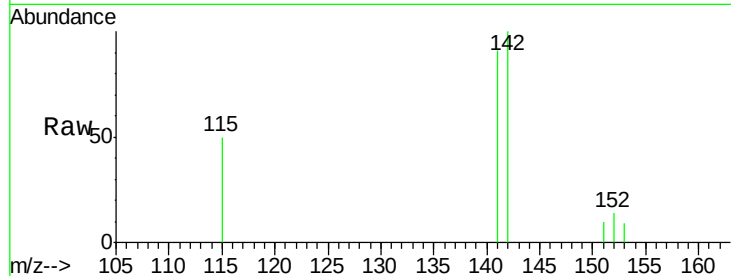
A4HR8RX

Tgt Ion:142 Resp: 1404

Ion Ratio Lower Upper

142 100

141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.13

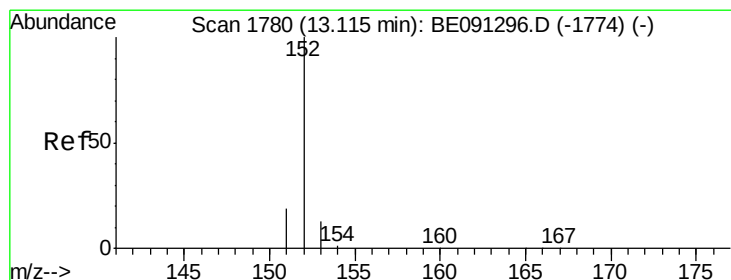
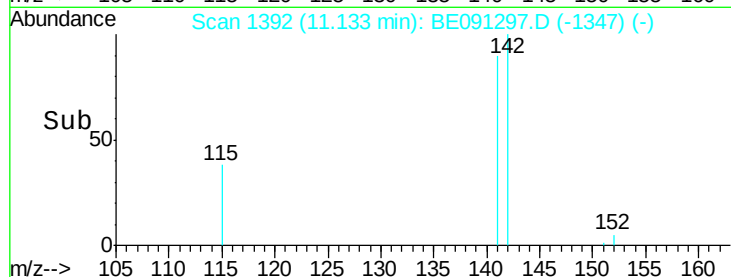
600

400

200

0

Time--> 11.10 11.20 11.30



#9

Acenaphthylene

Concen: 0.16 ng/ul

RT: 13.11 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

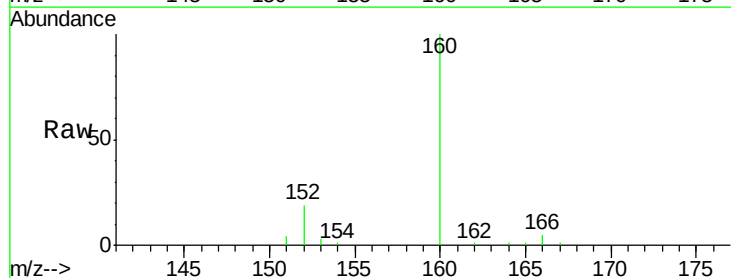
Tgt Ion:152 Resp: 4960

Ion Ratio Lower Upper

152 100

151 22.6 16.8 25.2

153 14.2 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

13.11

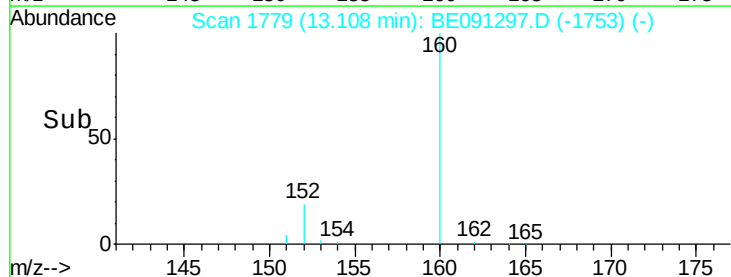
3000

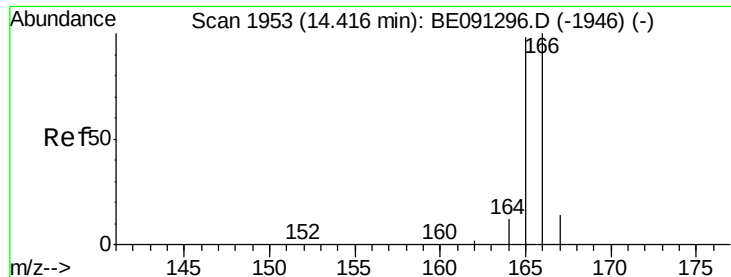
2000

1000

0

Time--> 13.00 13.20





#11

Fluorene

Concen: 0.06 ng/ul

RT: 14.41 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

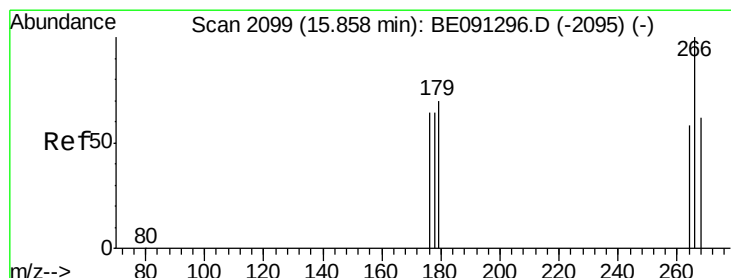
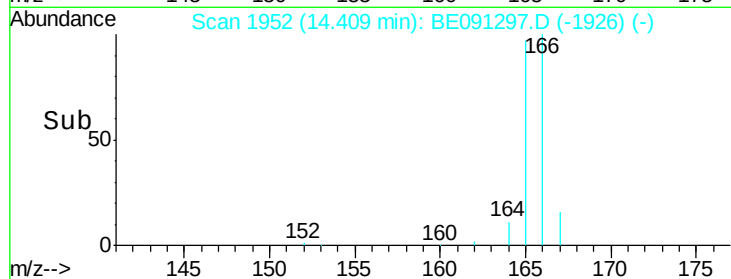
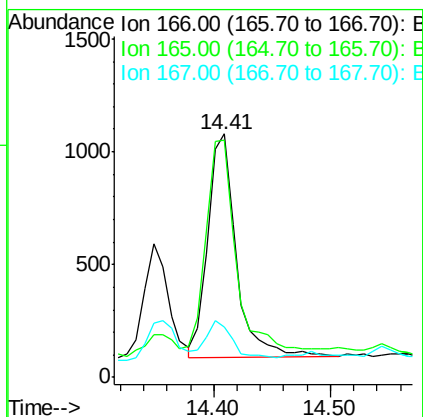
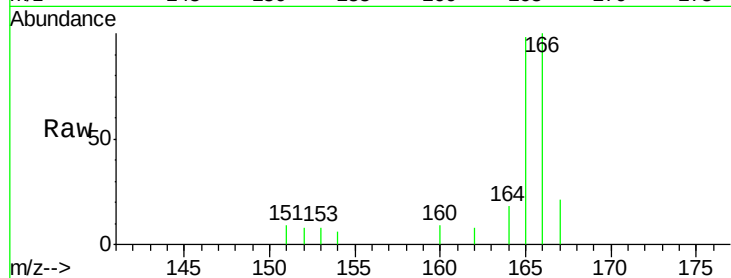
Instrument :

BNA_E

ClientSampleId :

A4HR8RX

Tgt Ion:	166	Resp:	1674
Ion	Ratio	Lower	Upper
166	100		
165	97.7	87.6	131.4
167	20.9	11.1	16.7#



#13

Pentachlorophenol

Concen: 0.24 ng/ul

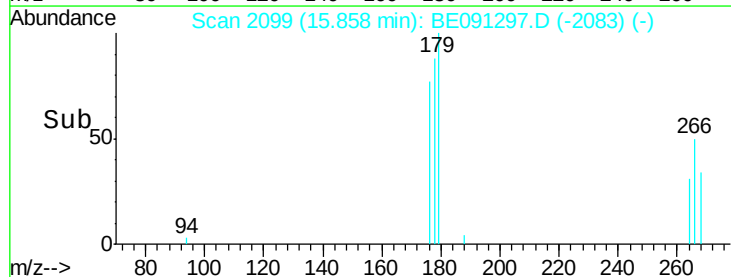
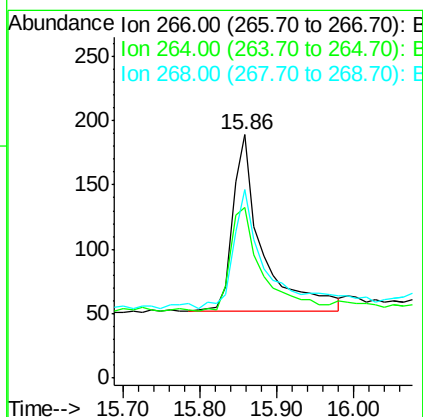
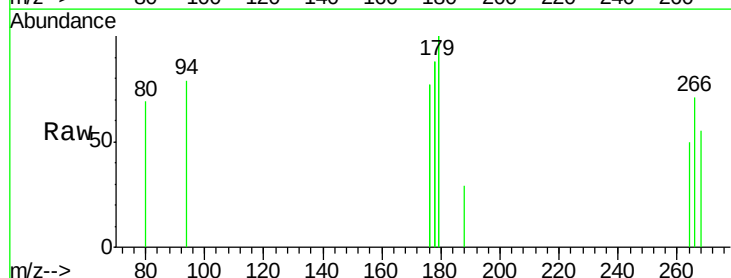
RT: 15.86 min Scan# 2099

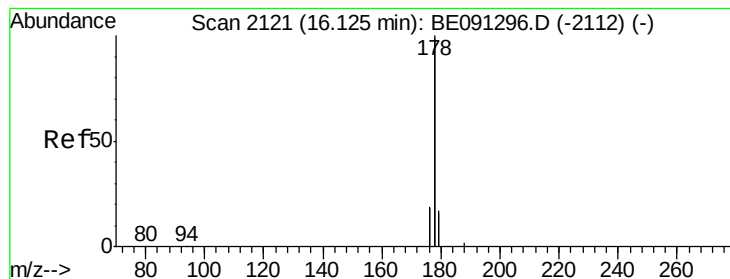
Delta R.T. -0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Tgt Ion:	266	Resp:	362
Ion	Ratio	Lower	Upper
266	100		
264	64.9	53.5	80.3
268	74.3	54.2	81.2





#14

Phenanthrene

Concen: 0.84 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampleId :

A4HR8RX

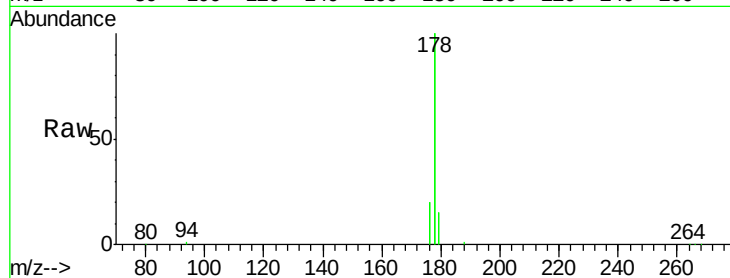
Tgt Ion:178 Resp: 154651

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

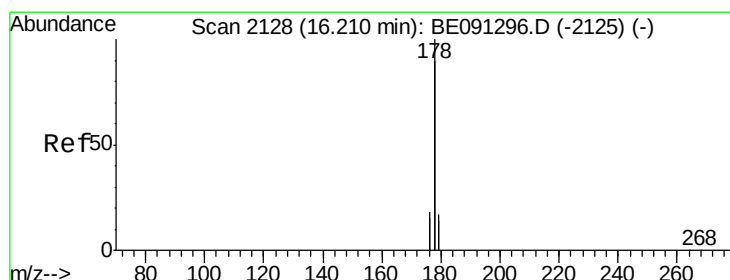
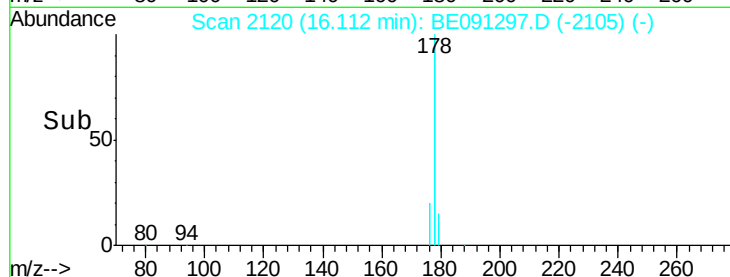
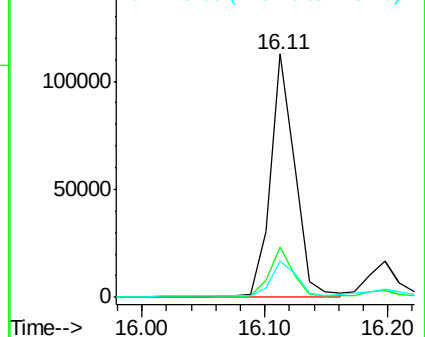
179 15.0 12.8 19.2



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



#15

Anthracene

Concen: 0.93 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

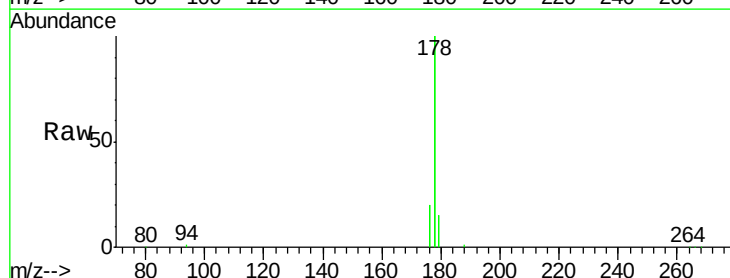
Tgt Ion:178 Resp: 154651

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

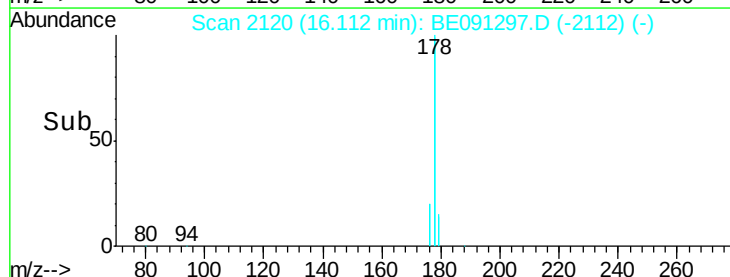
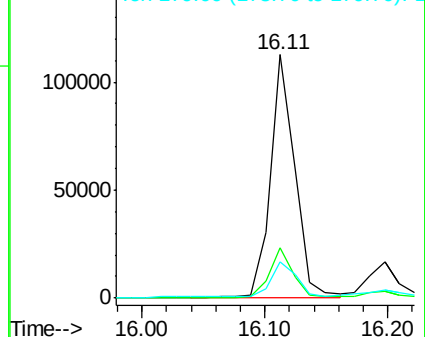
179 15.0 13.3 19.9

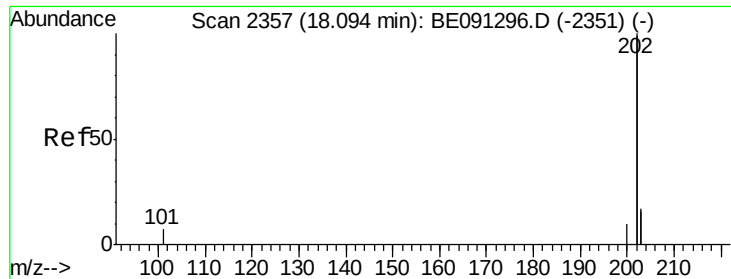


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

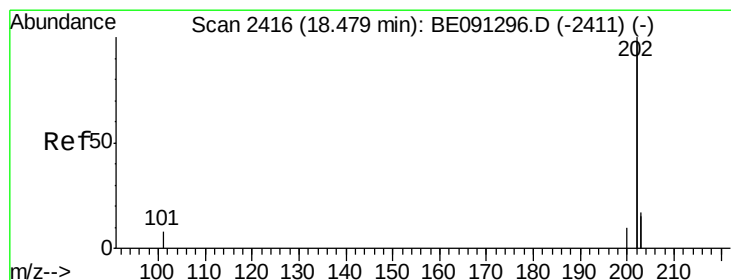
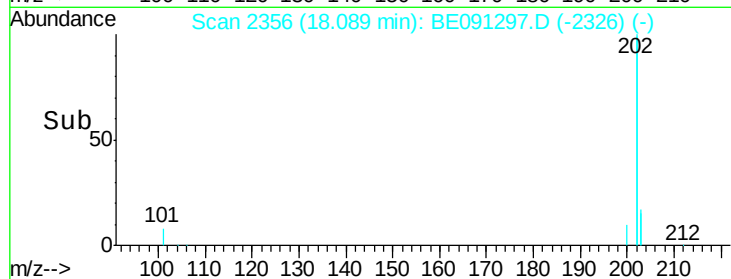
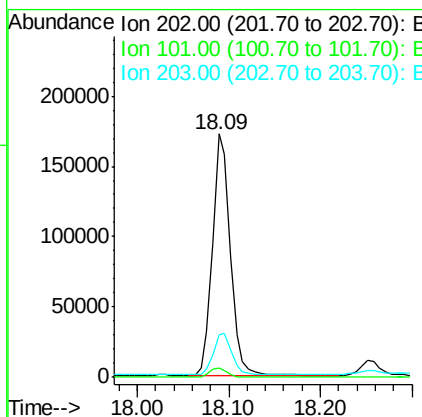
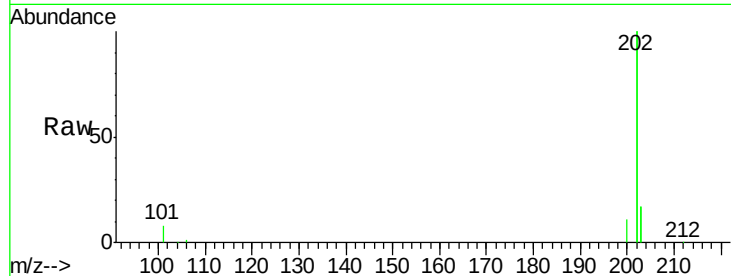




#17
Fluoranthene
 Concen: 1.10 ng/ul
 RT: 18.09 min Scan# 2356
 Delta R.T. -0.01 min
 Lab File: BE091297.D
 Acq: 23 Nov 2015 12:54

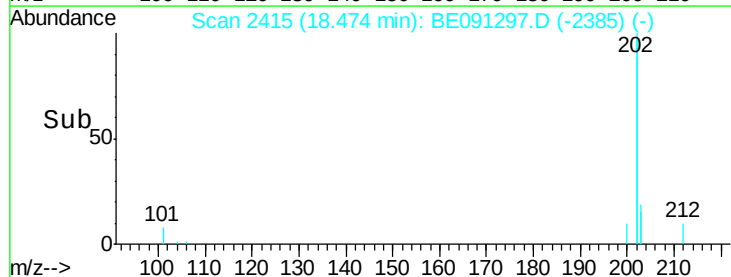
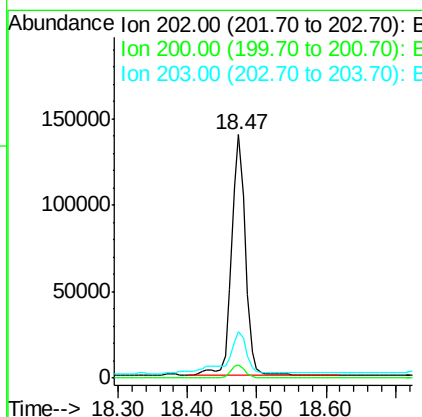
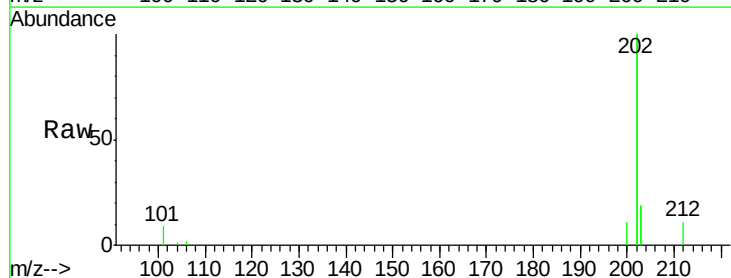
Instrument :
 BNA_E
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 A4HR8RX

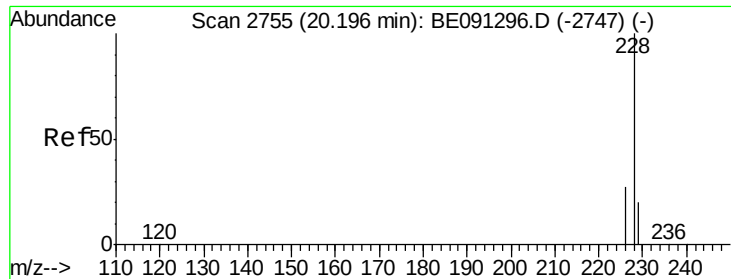
Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.0	0.0	33.1
203	17.3	0.0	37.2



#19
Pyrene
 Concen: 0.88 ng/ul
 RT: 18.47 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BE091297.D
 Acq: 23 Nov 2015 12:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.3	18.0	27.0#
203	19.3	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.52 ng/ul

RT: 20.19 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampleId :

A4HR8RX

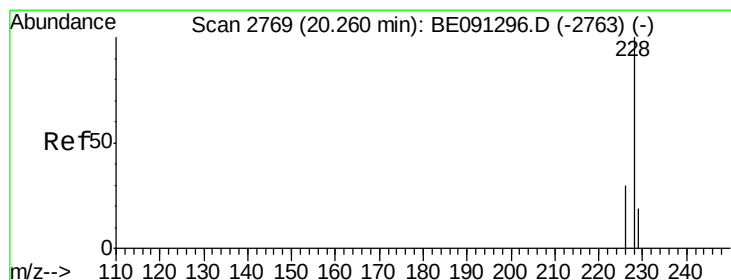
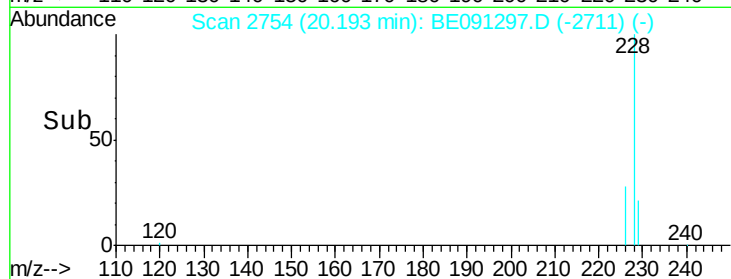
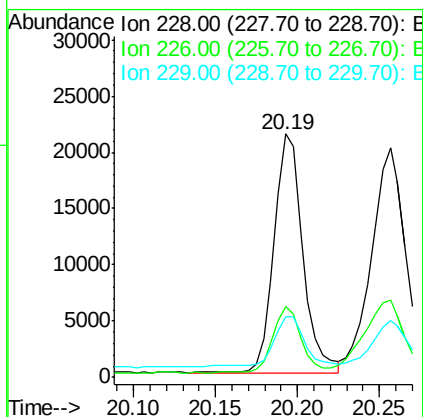
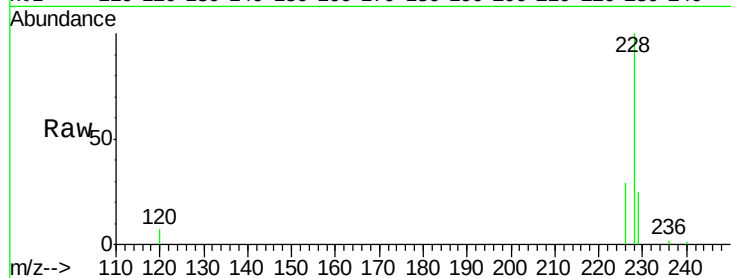
Tgt Ion:228 Resp: 25864

Ion Ratio Lower Upper

228 100

226 29.3 23.0 34.4

229 24.9 15.2 22.8#



#21

Chrysene

Concen: 0.52 ng/ul

RT: 20.26 min Scan# 2768

Delta R.T. -0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

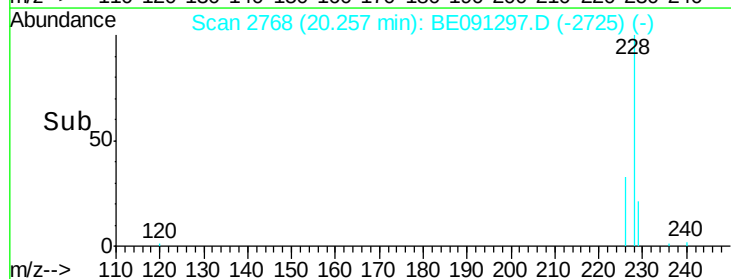
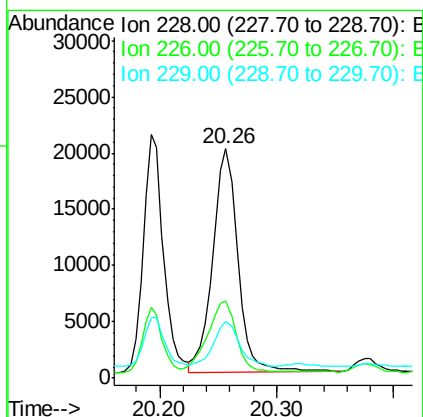
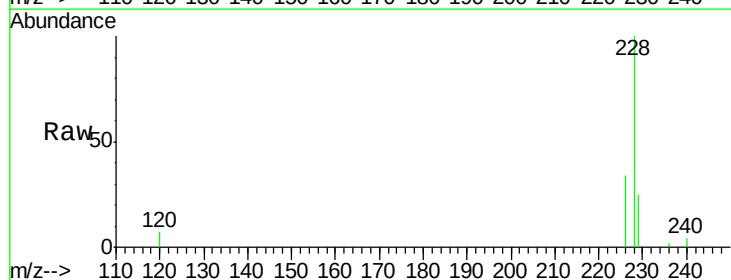
Tgt Ion:228 Resp: 29862

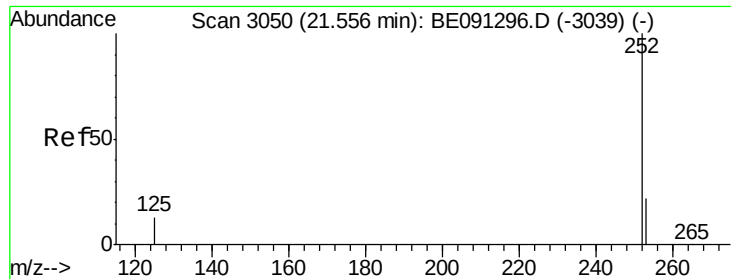
Ion Ratio Lower Upper

228 100

226 33.9 25.7 38.5

229 25.0 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.29 ng/ul

RT: 21.55 min Scan# 3049

Delta R.T. -0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampleId :

A4HR8RX

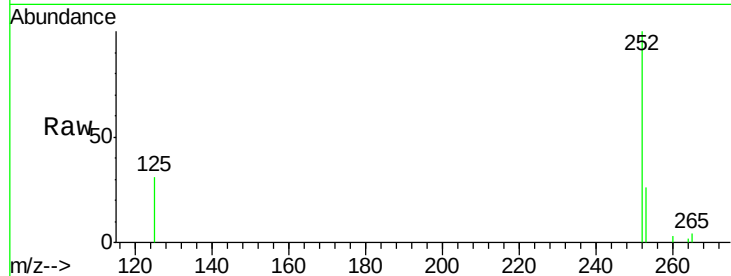
Tgt Ion:252 Resp: 19853

Ion Ratio Lower Upper

252 100

253 25.8 0.0 48.0

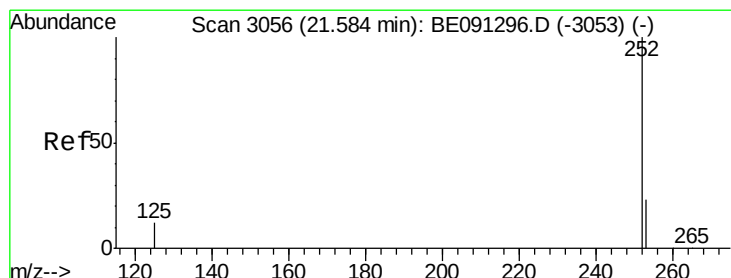
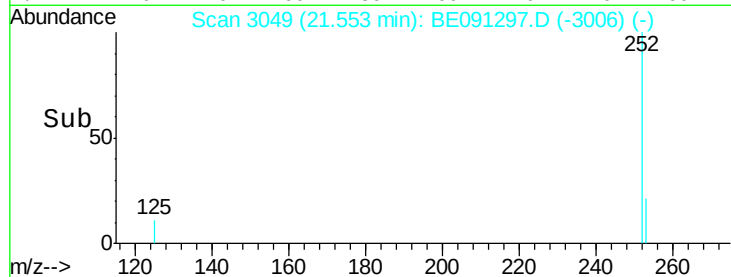
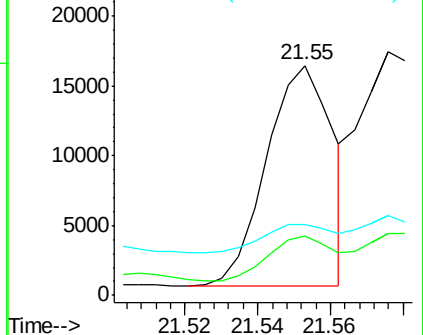
125 30.6 0.0 36.6



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: 0.34 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

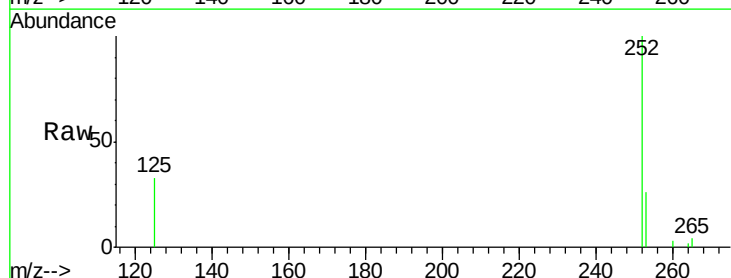
Tgt Ion:252 Resp: 24141

Ion Ratio Lower Upper

252 100

253 25.6 20.8 31.2

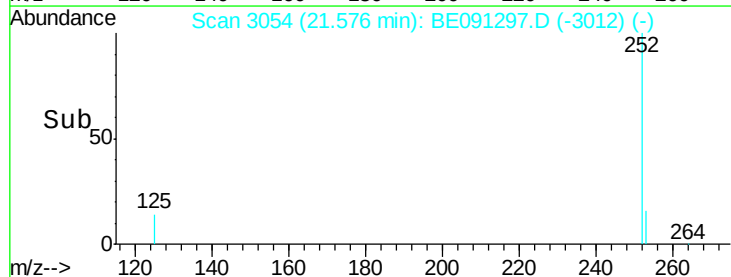
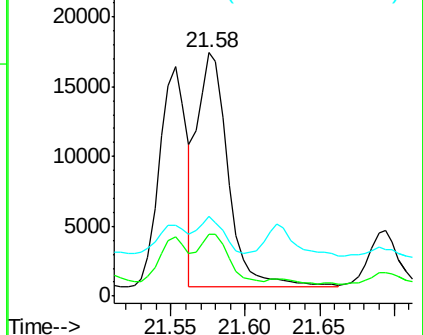
125 33.0 12.2 18.4#

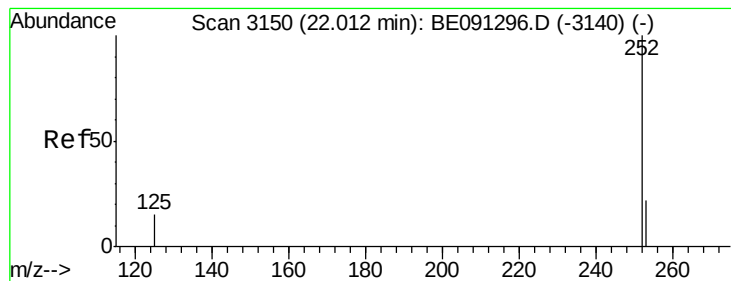


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.36 ng/ul

RT: 22.01 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampleId :

A4HR8RX

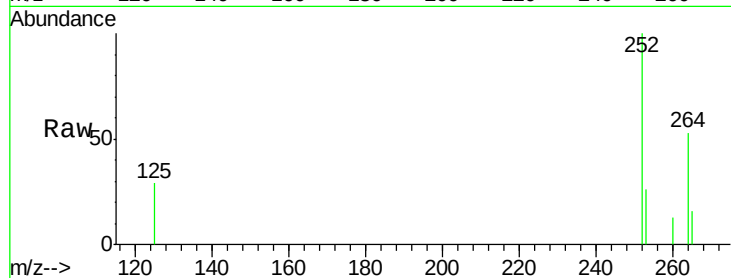
Tgt Ion: 252 Resp: 22710

Ion Ratio Lower Upper

252 100

253 25.8 21.8 32.8

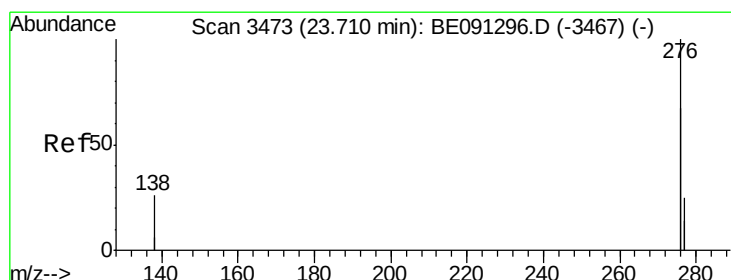
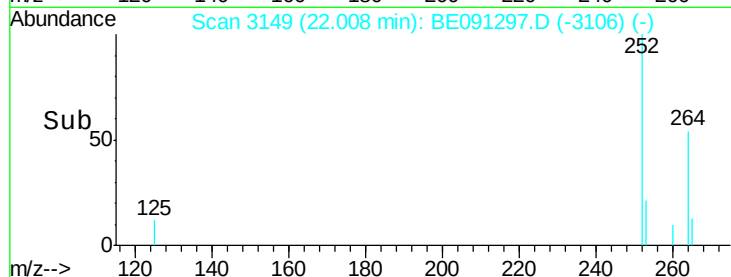
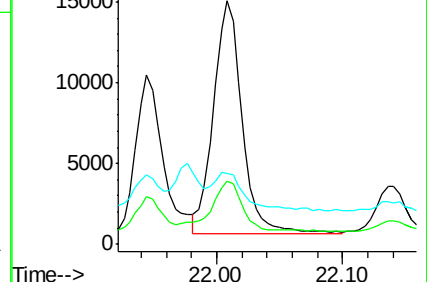
125 29.3 14.5 21.7#



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: 0.20 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

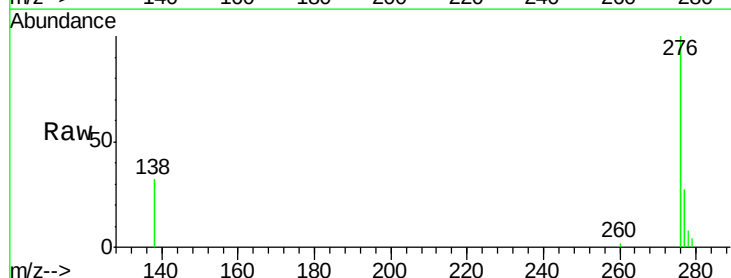
Tgt Ion: 276 Resp: 54286

Ion Ratio Lower Upper

276 100

138 26.5 27.5 41.3#

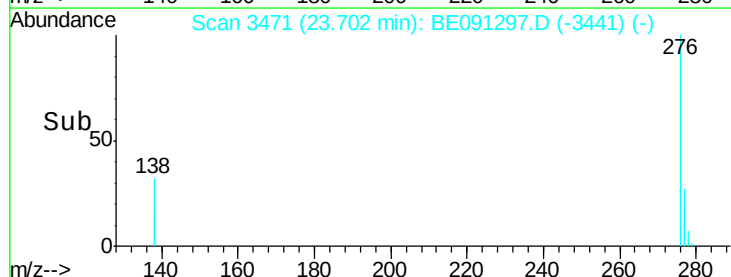
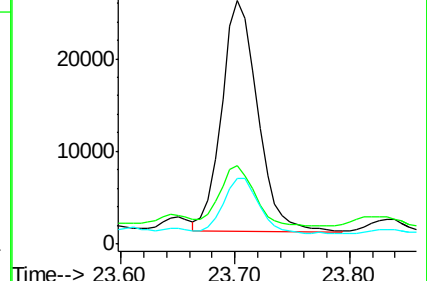
277 23.5 19.3 28.9

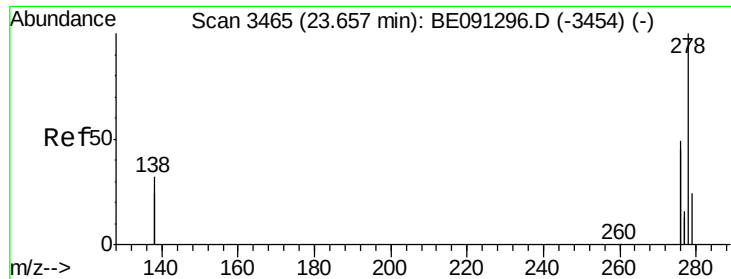


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

Instrument :

BNA_E

ClientSampleId :

A4HR8RX

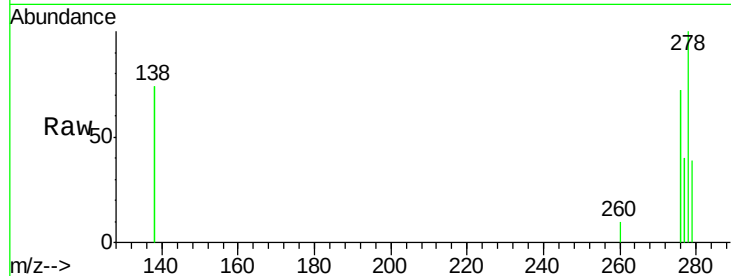
Tgt Ion: 278 Resp: 5007

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

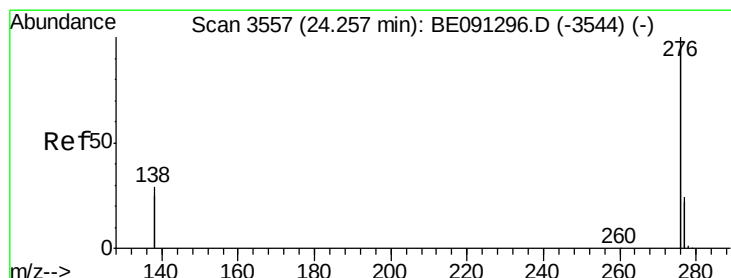
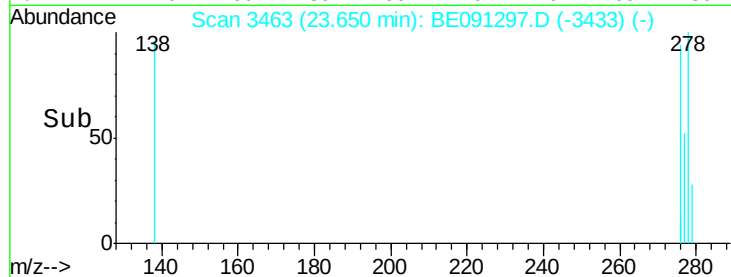
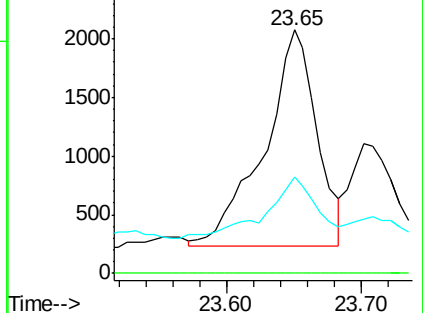
279 39.5 21.9 32.9#



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: 0.16 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.00 min

Lab File: BE091297.D

Acq: 23 Nov 2015 12:54

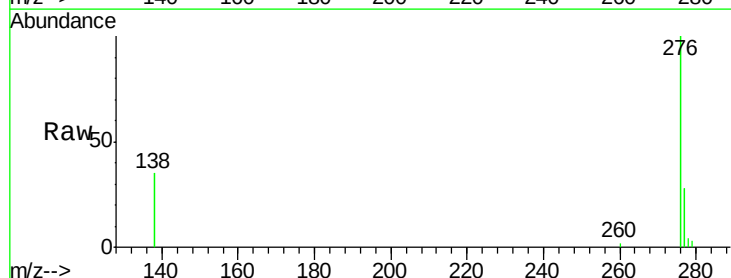
Tgt Ion: 276 Resp: 44223

Ion Ratio Lower Upper

276 100

277 27.6 21.3 31.9

138 35.2 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

