

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
 Data File : BE091147.D
 Acq On : 12 Nov 2015 16:28
 Operator : UM/NP
 Sample : G4322-21MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HT0MSD

Quant Time: Nov 13 15:24:04 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 : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

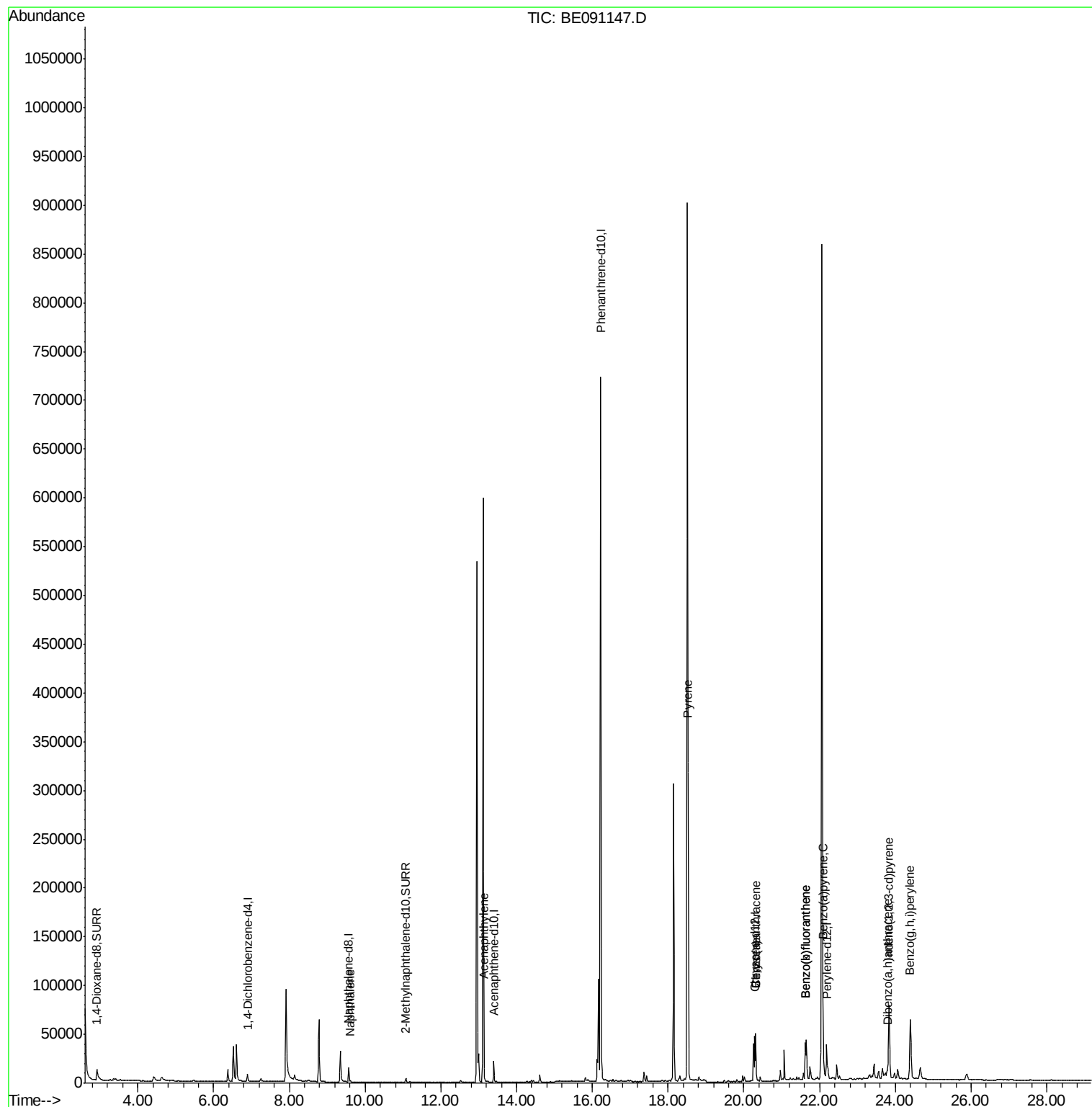
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3128	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17958	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11287	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.22	188	859849	0.40	ng/ul	0.08
18) Chrysene-d12	20.28	240	36721	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	40817	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	12572	5.59	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	4138	0.17	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	10451	0.00	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	9.61	128	1543	0.03	ng/ul#	82
9) Acenaphthylene	13.14	152	2474	0.04	ng/ul#	88
19) Pyrene	18.53	202	304086	0.73	ng/ul#	80
20) Benzo(a)anthracene	20.31	228	44914	0.48	ng/ul	96
21) Chrysene	20.31	228	45059	0.41	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	41804	0.33	ng/ul	98
24) Benzo(k)fluoranthene	21.62	252	41804	0.32	ng/ul	97
25) Benzo(a)pyrene	22.09	252	37179	0.32	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.83	276	110913	0.22	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.79	278	6302	0.05	ng/ul#	69
28) Benzo(g,h,i)perylene	24.39	276	99010	0.19	ng/ul	99

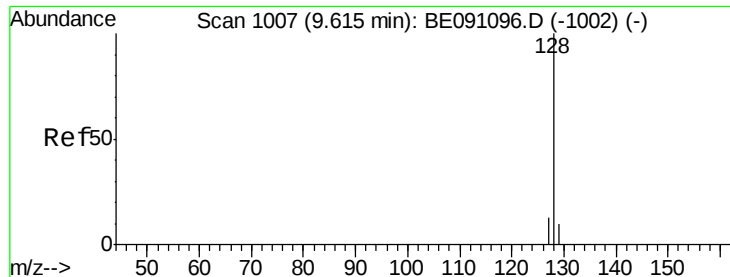
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 9.61 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

A4HT0MSD

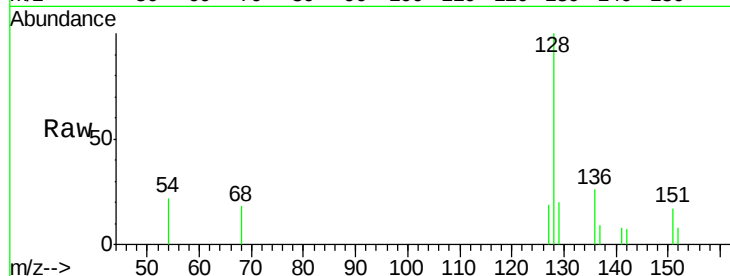
Tgt Ion:128 Resp: 1543

Ion Ratio Lower Upper

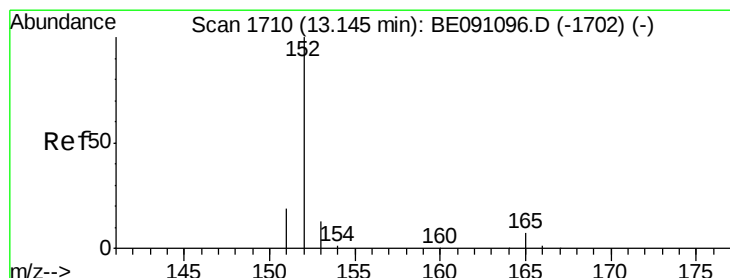
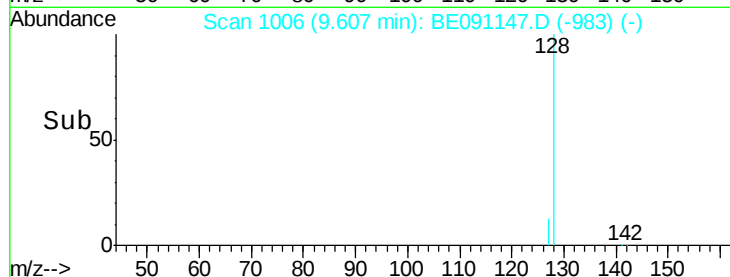
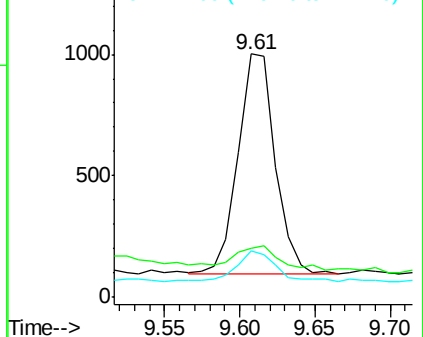
128 100

129 20.4 9.8 14.8#

127 19.4 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



#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 13.14 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

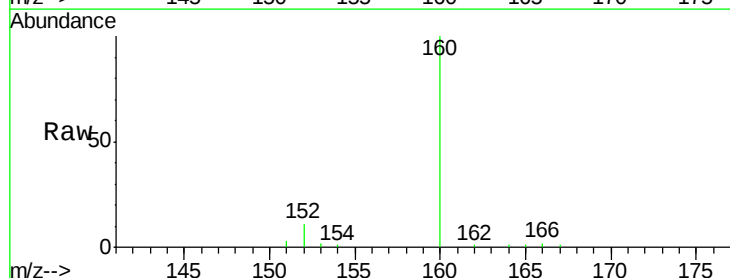
Tgt Ion:152 Resp: 2474

Ion Ratio Lower Upper

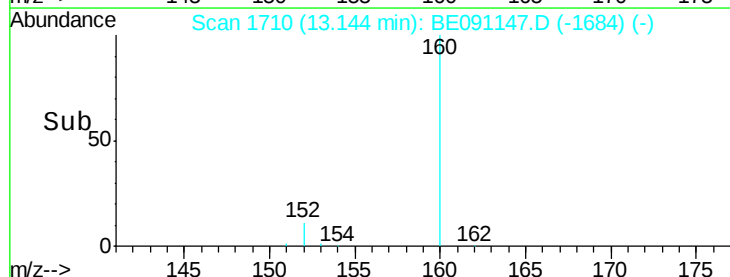
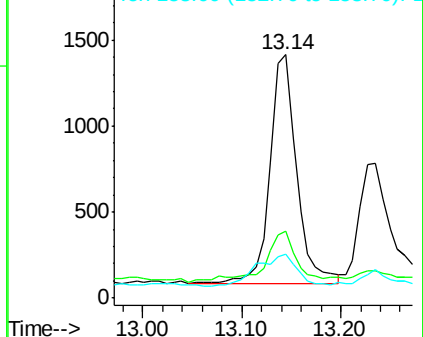
152 100

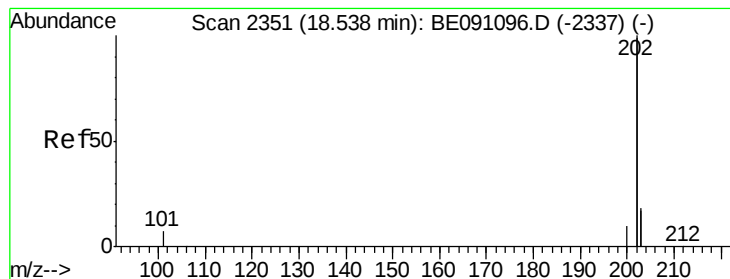
151 27.4 16.8 25.2#

153 17.8 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





#19

Pyrene

Concen: 0.73 ng/ul

RT: 18.53 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

A4HT0MSD

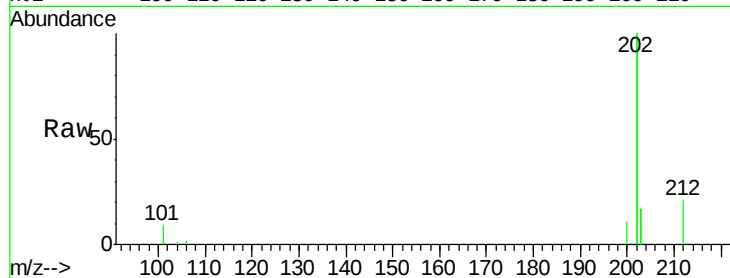
Tgt Ion:202 Resp: 304086

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

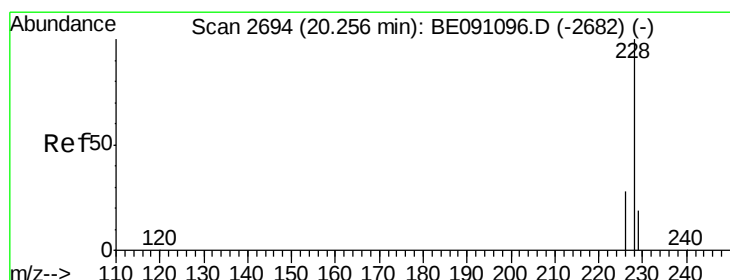
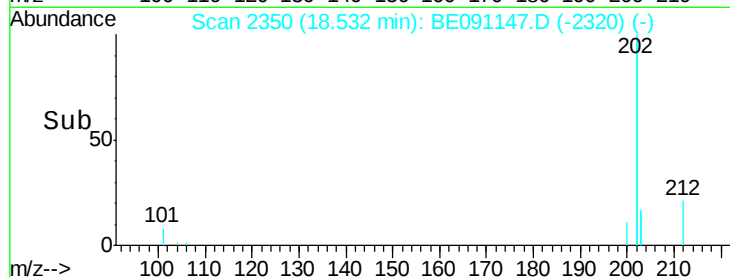
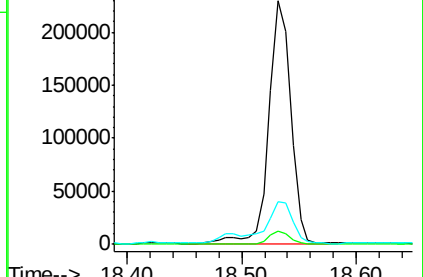
203 17.4 13.8 20.6



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: 0.48 ng/ul

RT: 20.31 min Scan# 2706

Delta R.T. 0.06 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

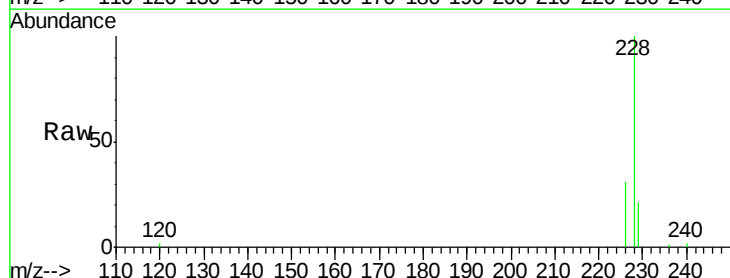
Tgt Ion:228 Resp: 44914

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

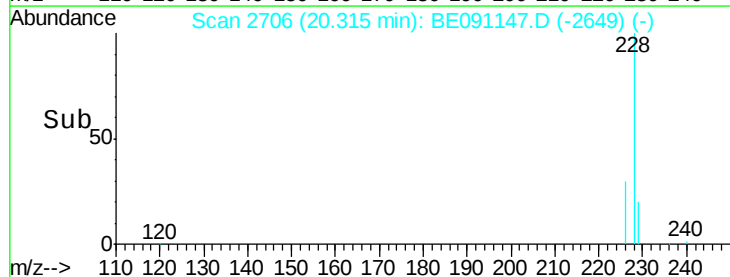
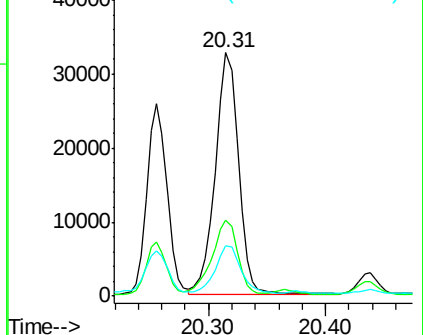
229 20.7 15.2 22.8

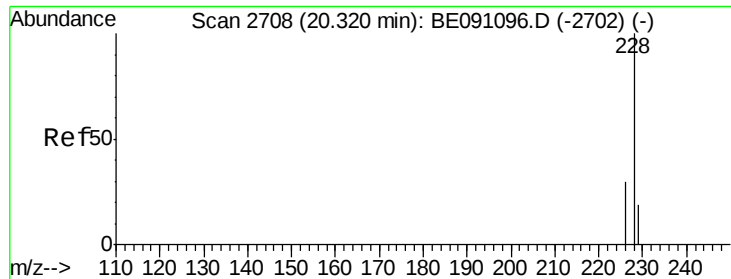


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/u1

RT: 20.31 min Scan# 2706

Delta R.T. -0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

A4HT0MSD

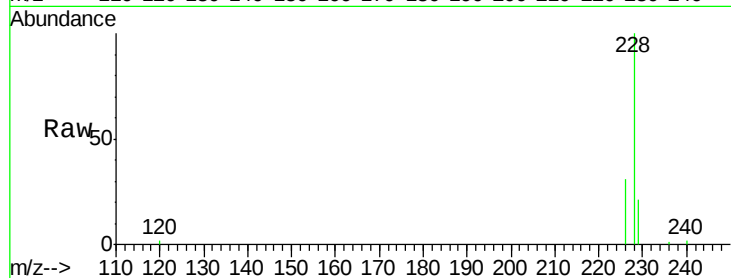
Tgt Ion:228 Resp: 45059

Ion Ratio Lower Upper

228 100

226 31.0 25.7 38.5

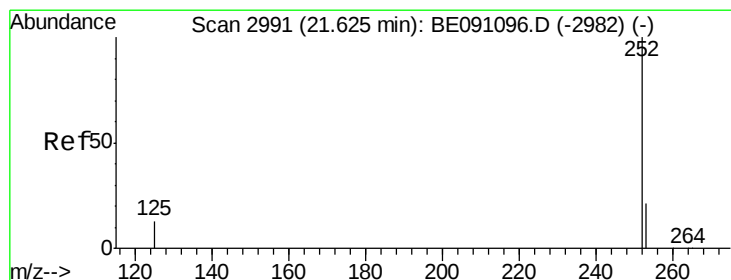
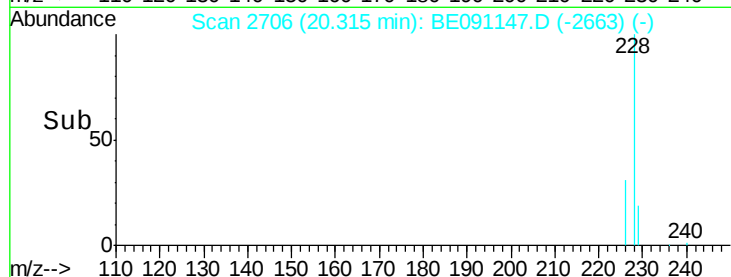
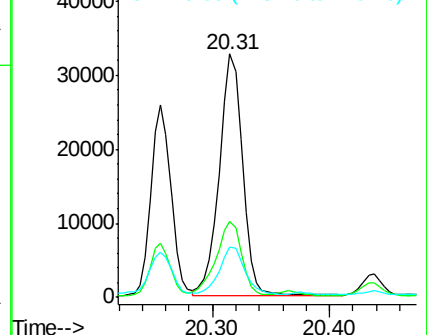
229 20.7 15.2 22.8



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: 0.33 ng/u1

RT: 21.62 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

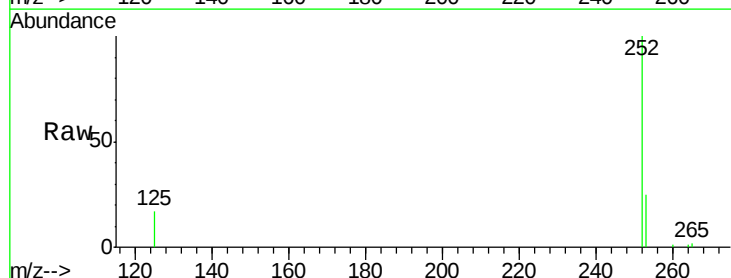
Tgt Ion:252 Resp: 41804

Ion Ratio Lower Upper

252 100

253 24.8 0.0 48.0

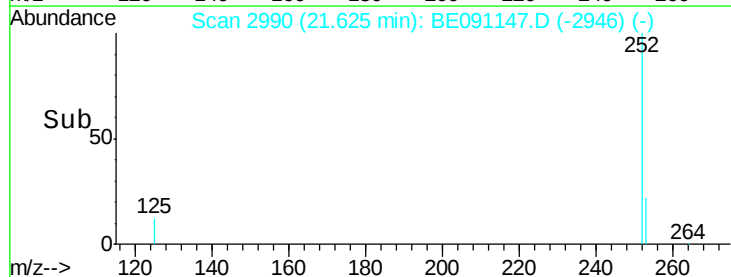
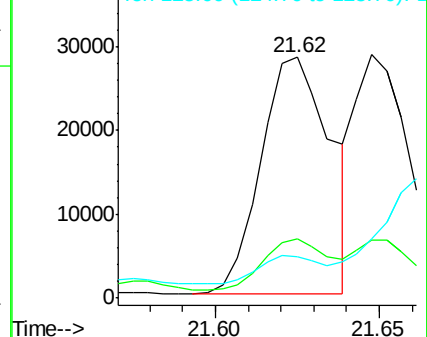
125 17.3 0.0 36.6

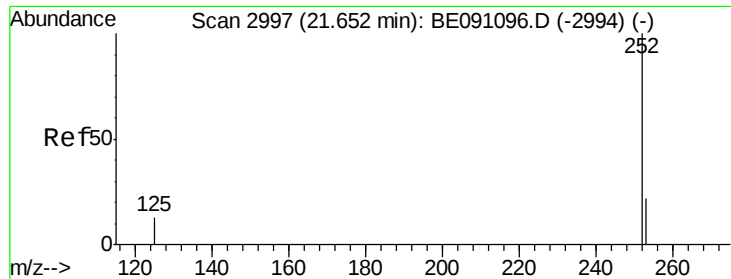


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.32 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.03 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

A4HT0MSD

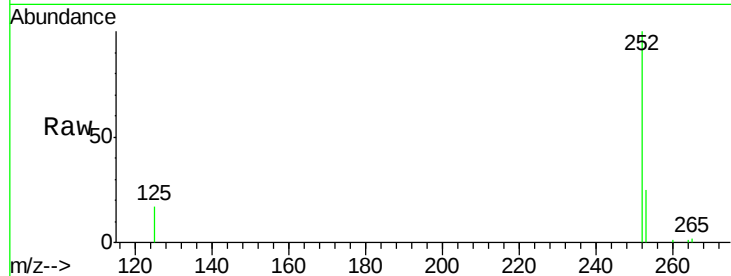
Tgt Ion:252 Resp: 41804

Ion Ratio Lower Upper

252 100

253 24.8 20.8 31.2

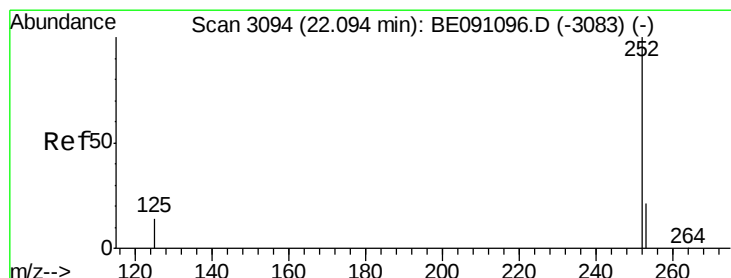
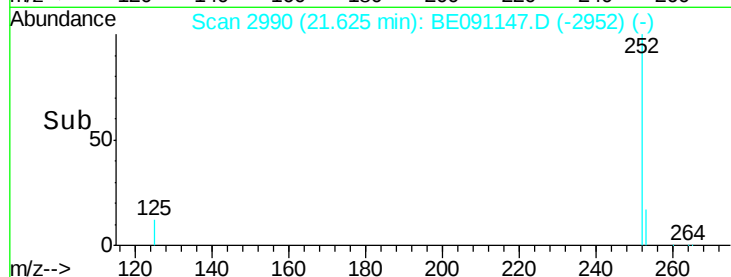
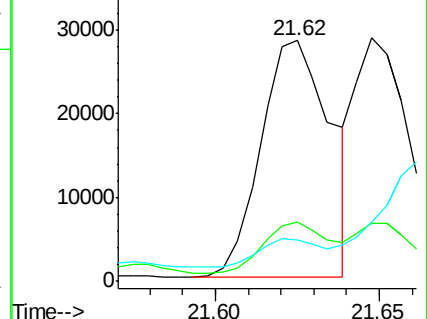
125 17.3 12.2 18.4



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: 0.32 ng/ul

RT: 22.09 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

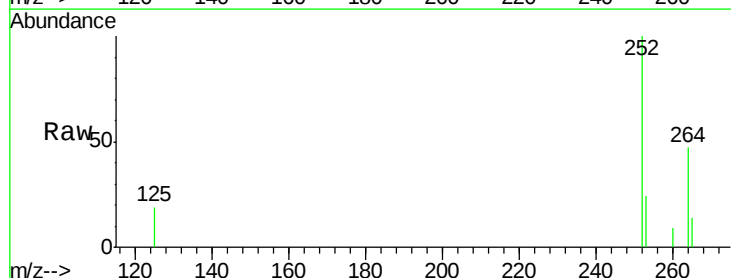
Tgt Ion:252 Resp: 37179

Ion Ratio Lower Upper

252 100

253 24.4 21.8 32.8

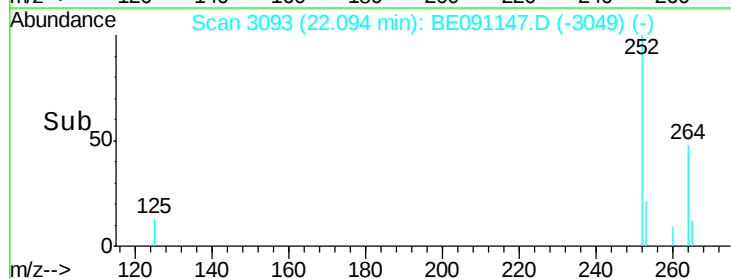
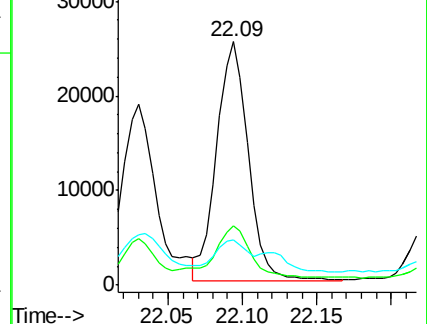
125 18.7 14.5 21.7

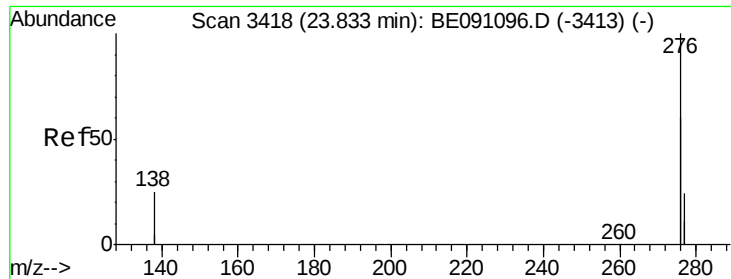


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.22 ng/ul

RT: 23.83 min Scan# 3417

Delta R.T. 0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

A4HT0MSD

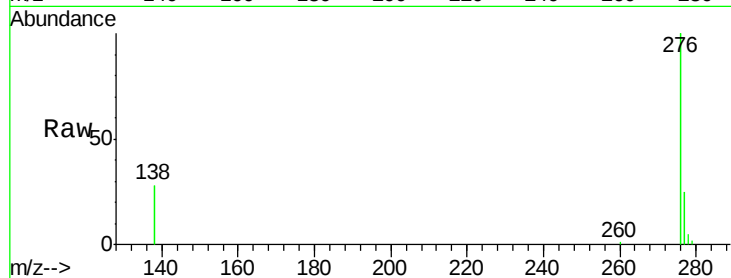
Tgt Ion:276 Resp: 110913

Ion Ratio Lower Upper

276 100

138 25.6 27.5 41.3#

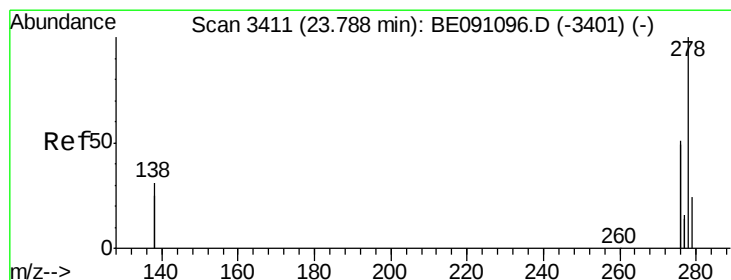
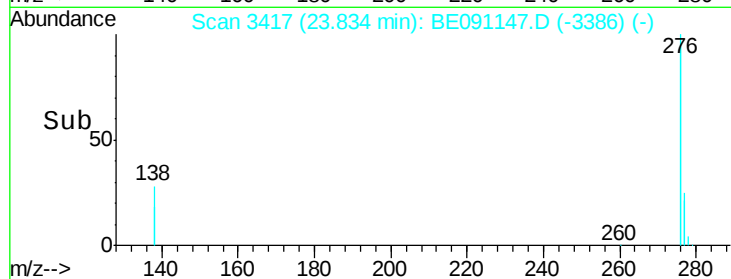
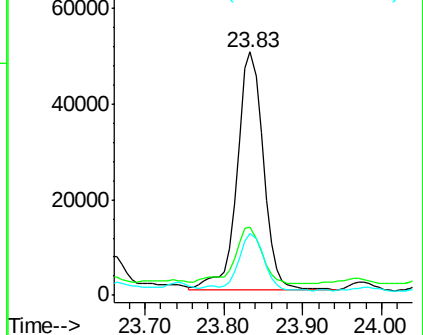
277 24.0 19.3 28.9



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: 0.05 ng/ul

RT: 23.79 min Scan# 3410

Delta R.T. 0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

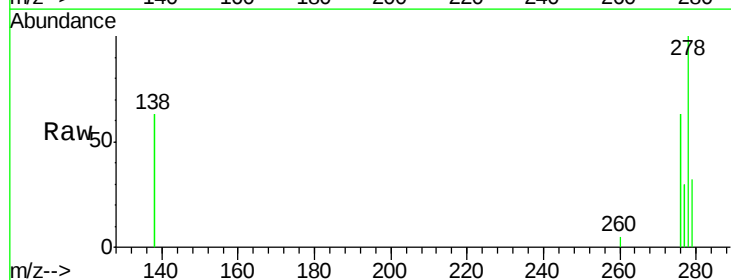
Tgt Ion:278 Resp: 6302

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

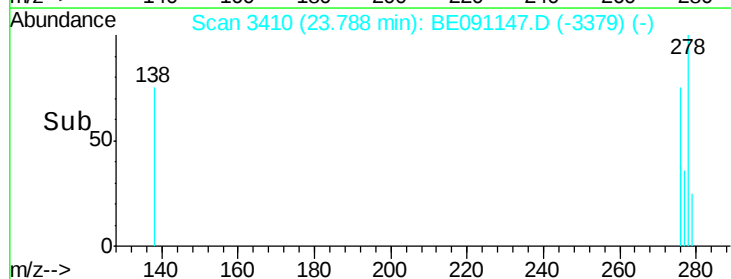
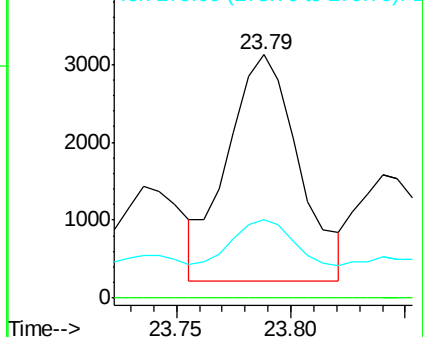
279 32.4 21.9 32.9

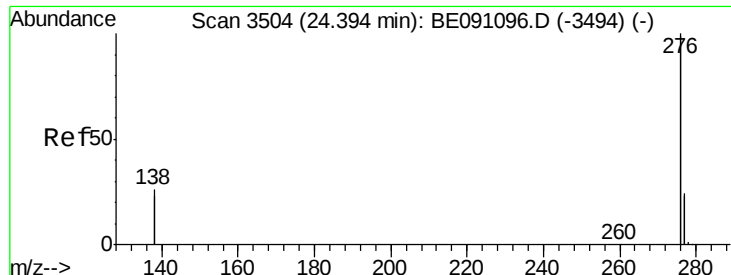


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.19 ng/ul

RT: 24.39 min Scan# 3503

Delta R.T. 0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

A4HT0MSD

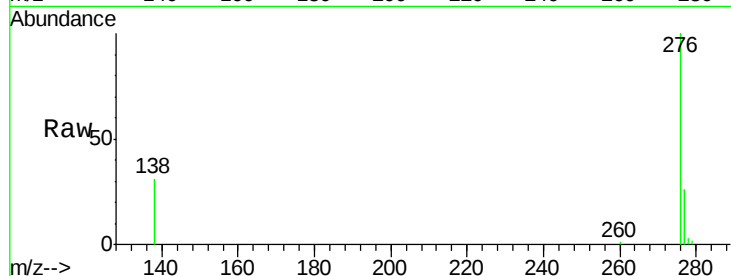
Tgt Ion: 276 Resp: 99010

Ion Ratio Lower Upper

276 100

277 26.0 21.3 31.9

138 31.3 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

