

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112215\
 Data File : BE091279.D
 Acq On : 21 Nov 2015 16:06
 Operator : UM/NP
 Sample : G4346-08MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4J72MSD

Quant Time: Nov 23 10:26:24 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 : Mon Nov 23 00:41:30 2015
 Response via : Initial Calibration

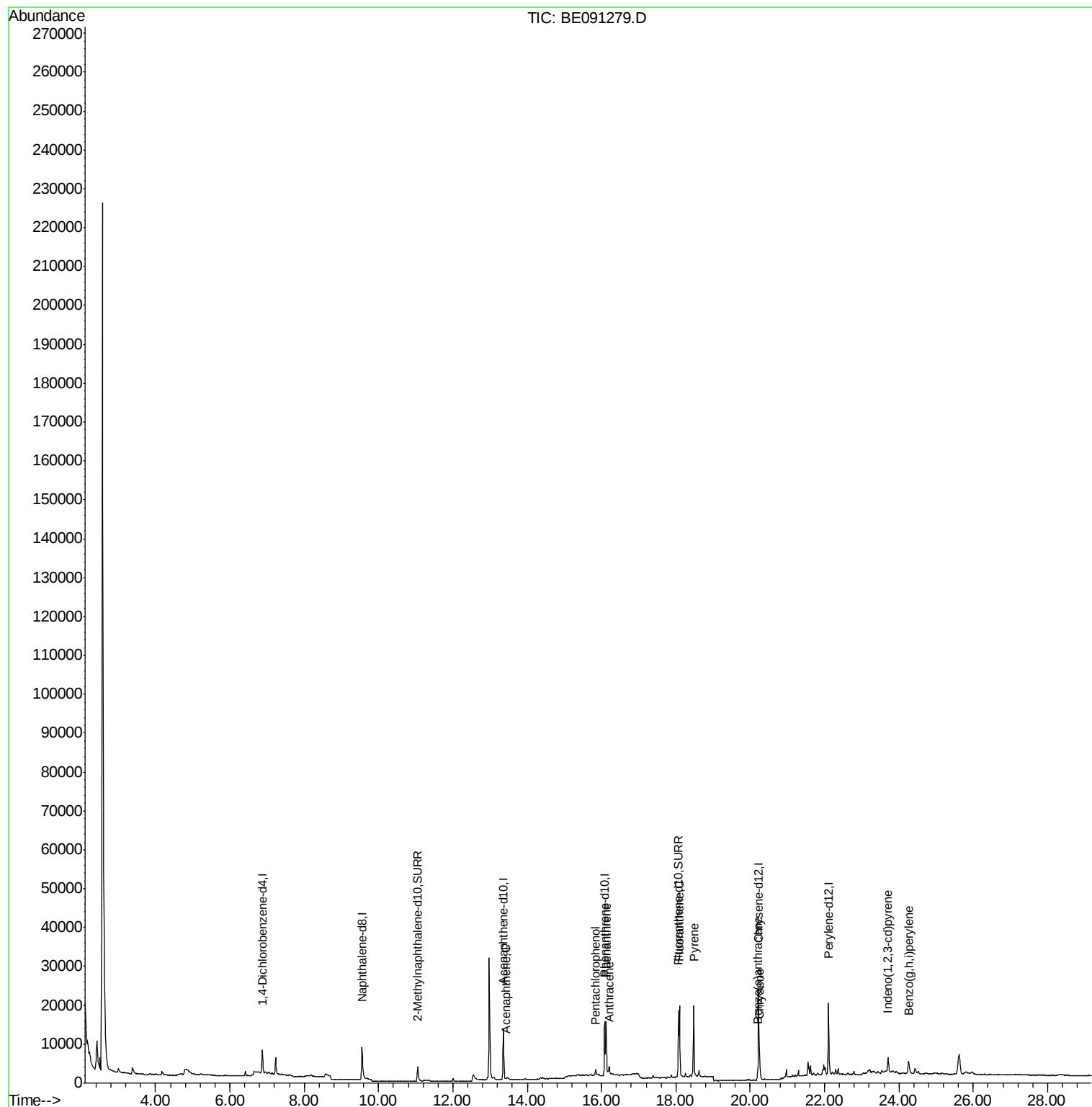
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	3188	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.56	136	14023	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	7823	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	18618	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	22367	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	19932	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
6) 2-Methylnaphthalene-d10	11.05	152	6776	0.35	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	18949	0.36	ng/ul	0.00
Target Compounds						
					Ovalue	
10) Acenaphthene	13.42	153	155	0.01	ng/ul#	75
13) Pentachlorophenol	15.85	266	1509	0.85	ng/ul	97
14) Phenanthrene	16.13	178	17716	0.08	ng/ul#	95
15) Anthracene	16.20	178	3223	0.02	ng/ul#	48
17) Fluoranthene	18.09	202	20303	0.08	ng/ul	87
19) Pyrene	18.48	202	19595	0.08	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	2718	0.05	ng/ul#	93
21) Chrysene	20.26	228	3540	0.05	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	23.71	276	5082	0.02	ng/ul	98
28) Benzo(g,h,i)perylene	24.26	276	5628	0.02	ng/ul#	42

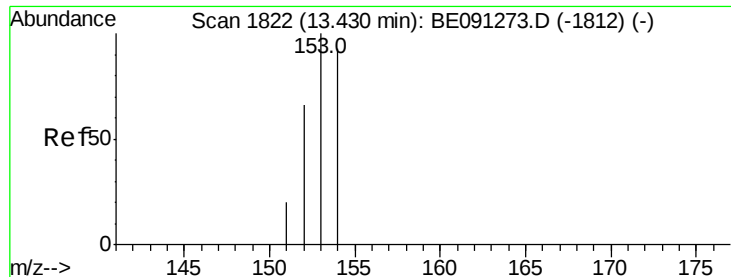
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BE091279.D

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BNA_E

ClientSampleId :

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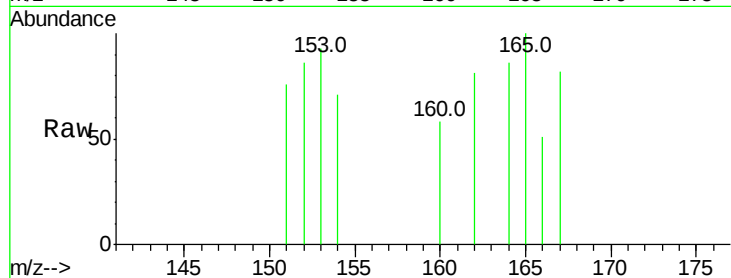
Tot Ion:153 Resp: 155

Ion Ratio Lower Upper

153 100

152 92.0 42.3 63.5#

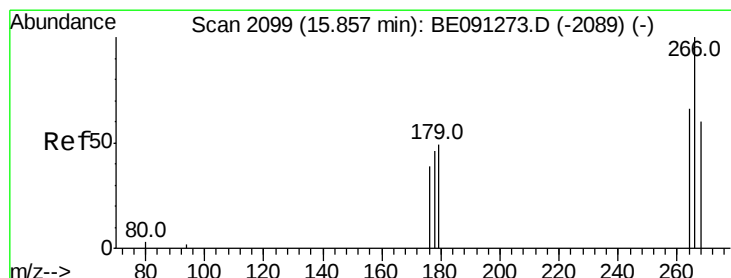
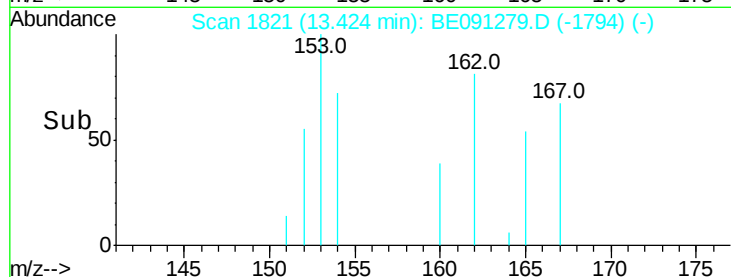
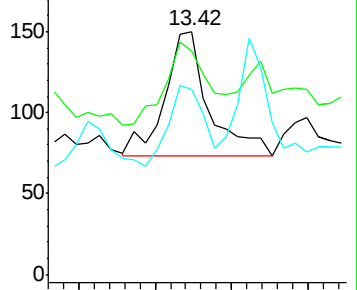
154 76.0 64.7 97.1



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



#13

Pentachlorophenol

Concen: 0.85 ng/ul

RT: 15.85 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

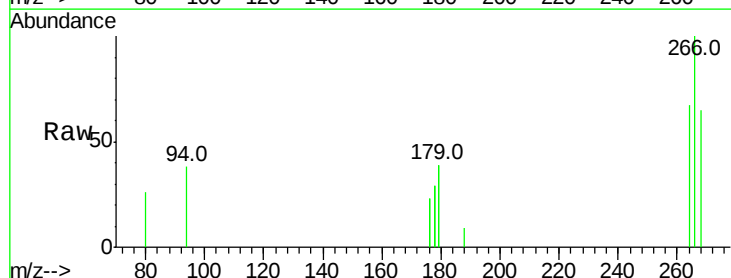
Tgt Ion:266 Resp: 1509

Ion Ratio Lower Upper

266 100

264 62.8 53.5 80.3

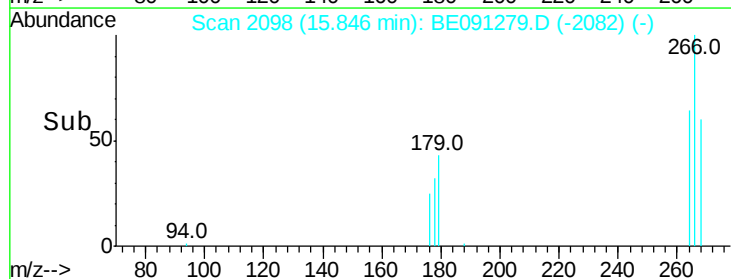
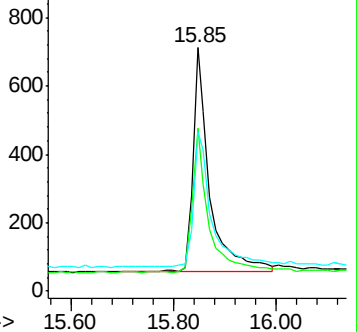
268 67.2 54.2 81.2

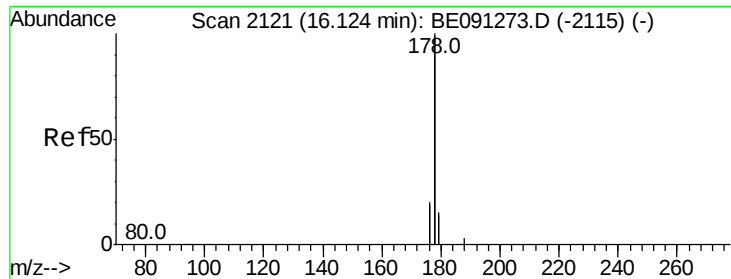


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

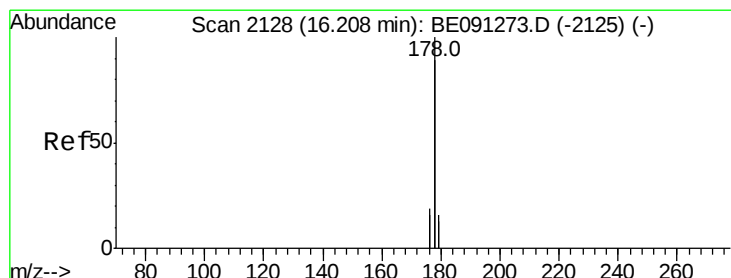
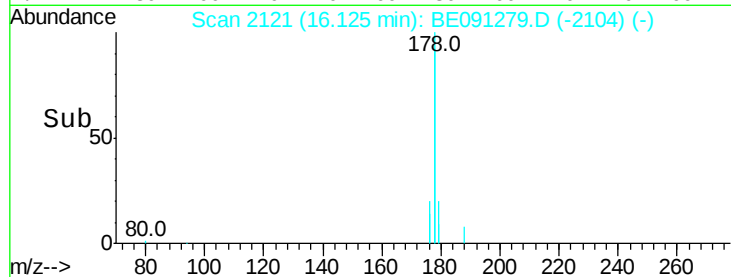
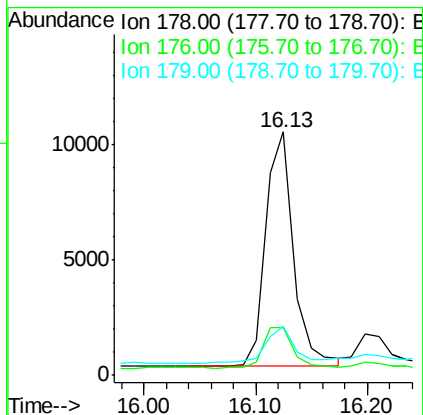
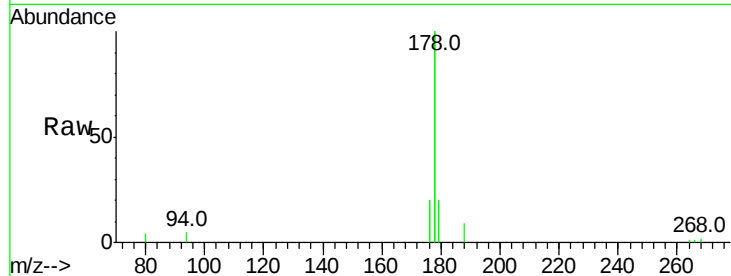




#14
Phenanthrene
Concen: 0.08 ng/ul
RT: 16.13 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE091279.D
Acq: 21 Nov 2015 16:06

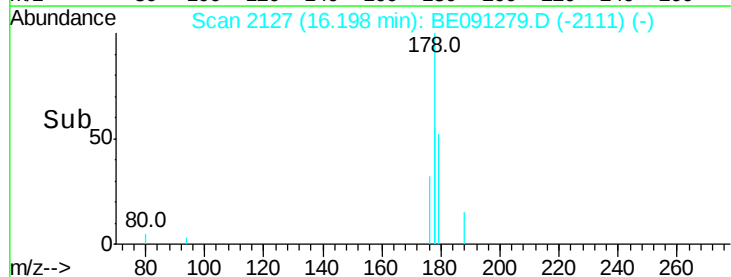
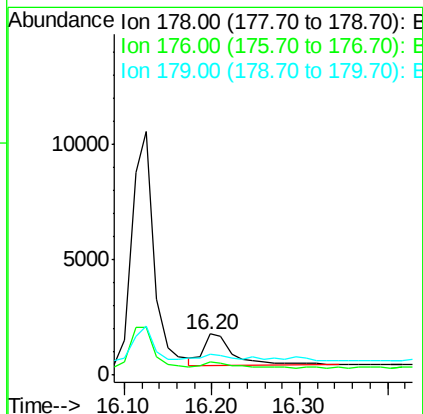
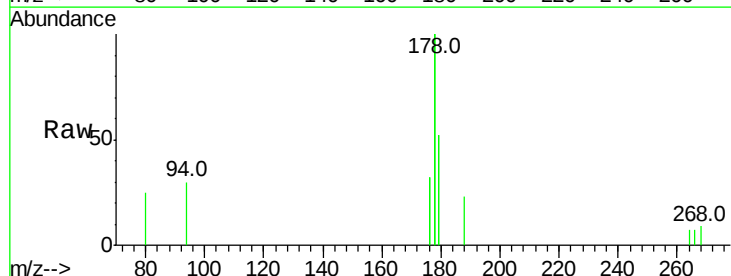
Instrument :
BNA_E
ClientSampleId :
A4J72MSD

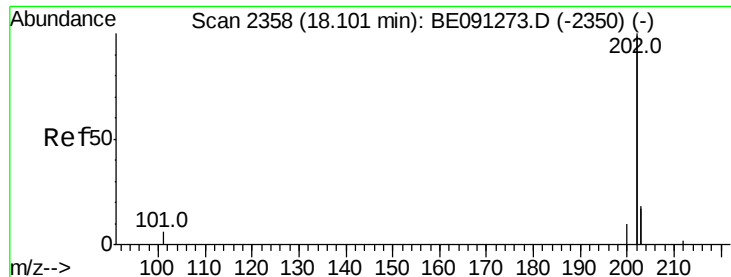
Tot Ion:178 Resp: 17716
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 20.1 12.8 19.2#



#15
Anthracene
Concen: 0.02 ng/ul
RT: 16.20 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BE091279.D
Acq: 21 Nov 2015 16:06

Tgt Ion:178 Resp: 3223
Ion Ratio Lower Upper
178 100
176 32.3 15.8 23.8#
179 51.8 13.3 19.9#





#17

Fluoranthene

Concen: 0.08 ng/ul

RT: 18.09 min Scan# 2357

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

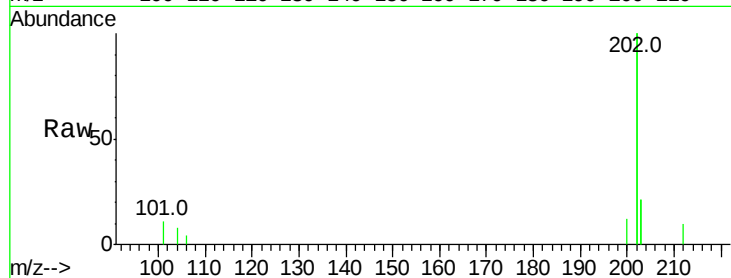
Tot Ion:202 Resp: 20303

Ion Ratio Lower Upper

202 100

101 5.4 0.0 33.1

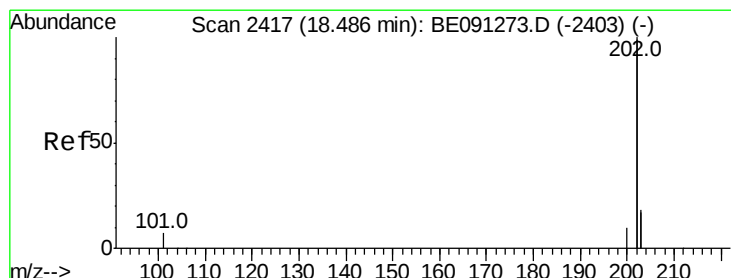
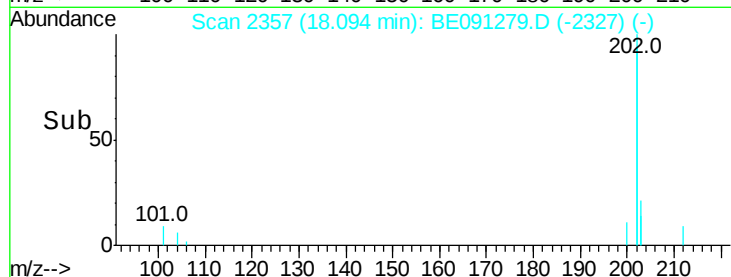
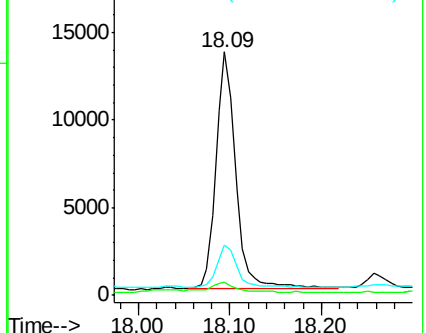
203 20.7 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 0.08 ng/ul

RT: 18.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

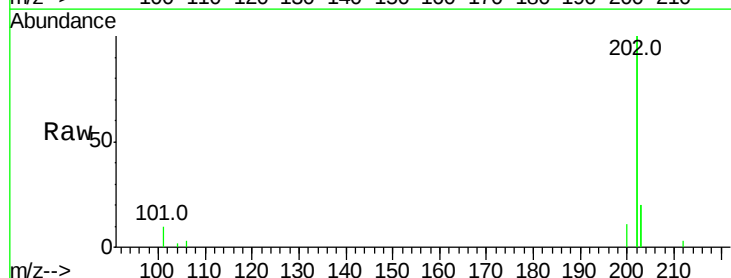
Tgt Ion:202 Resp: 19595

Ion Ratio Lower Upper

202 100

200 5.6 18.0 27.0#

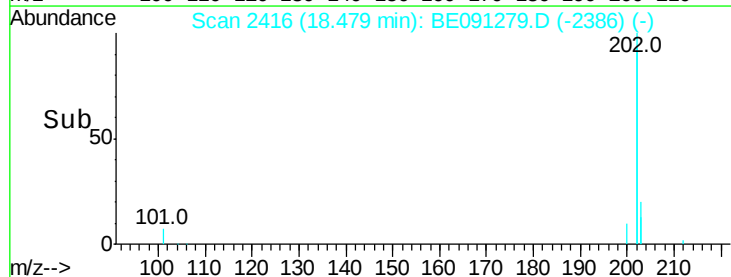
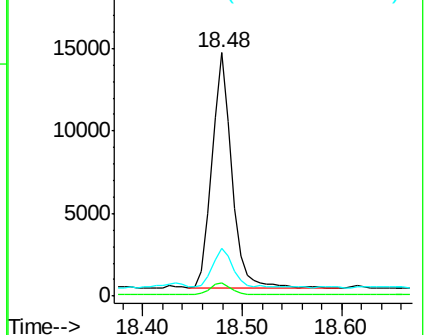
203 19.8 13.8 20.6

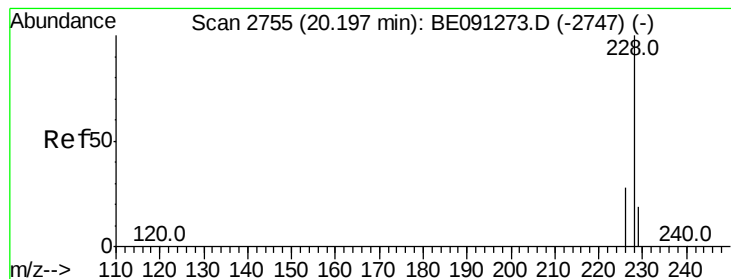


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 20.20 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

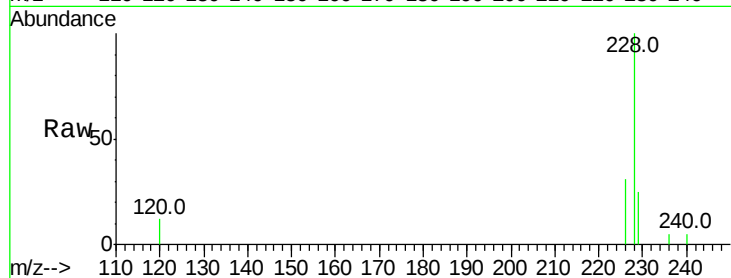
Tot Ion:228 Resp: 2718

Ion Ratio Lower Upper

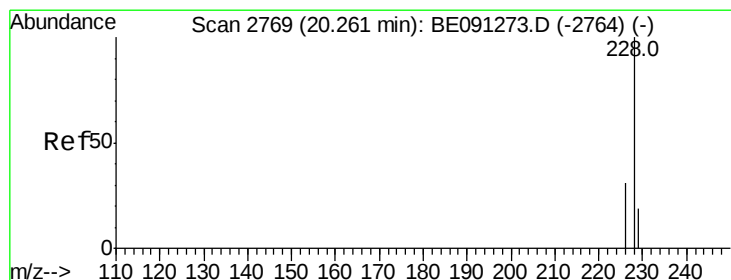
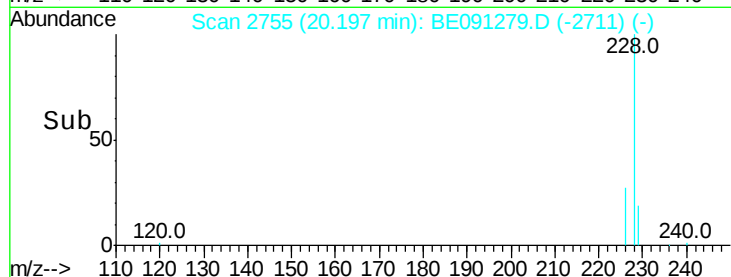
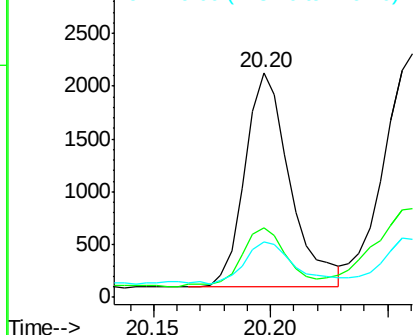
228 100

226 31.0 23.0 34.4

229 24.6 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: 0.05 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

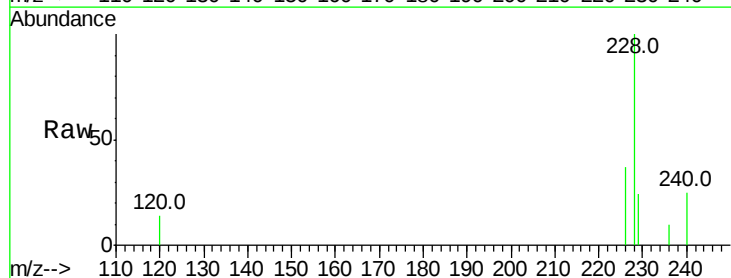
Tgt Ion:228 Resp: 3540

Ion Ratio Lower Upper

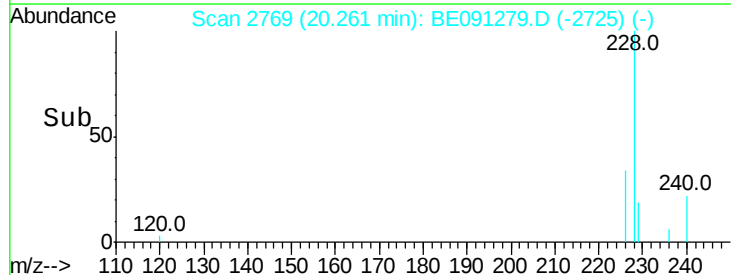
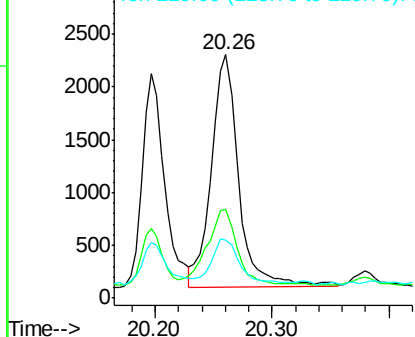
228 100

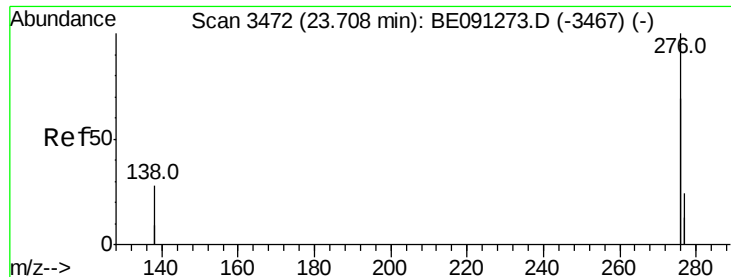
226 36.6 25.7 38.5

229 23.8 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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng/ul

RT: 23.71 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

Instrument :

BNA_E

ClientSampleId :

A4J72MSD

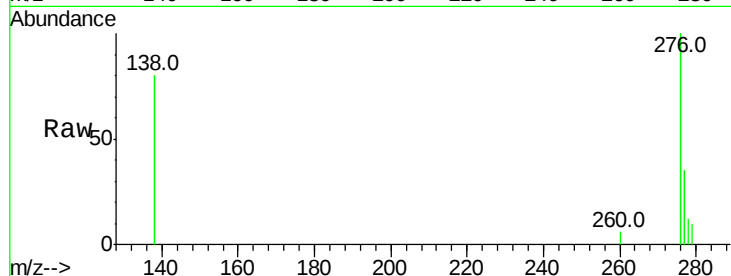
Tot Ion:276 Resp: 5082

Ion Ratio Lower Upper

276 100

138 36.6 27.5 41.3

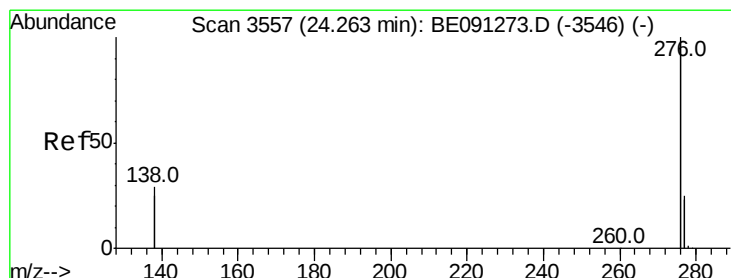
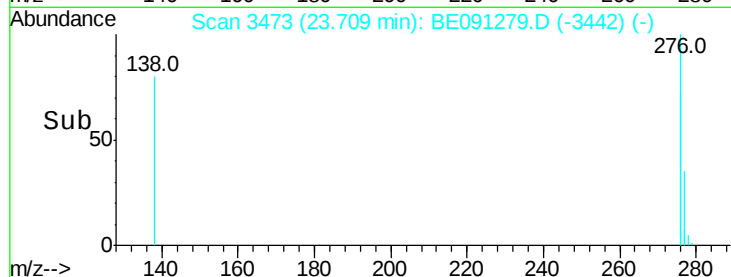
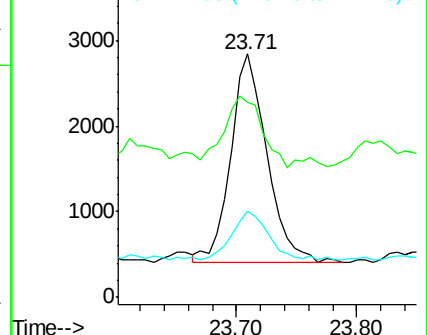
277 23.9 19.3 28.9



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



#28

Benzo(g,h,i)perylene

Concen: 0.02 ng/ul

RT: 24.26 min Scan# 3558

Delta R.T. 0.01 min

Lab File: BE091279.D

Acq: 21 Nov 2015 16:06

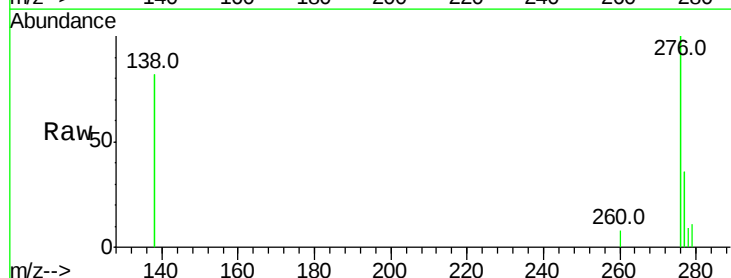
Tgt Ion:276 Resp: 5628

Ion Ratio Lower Upper

276 100

277 36.3 21.3 31.9#

138 82.3 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

