

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091306.D
 Acq On : 23 Nov 2015 18:58
 Operator : UM/NP
 Sample : G4322-18DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HS9DL

Quant Time: Nov 24 02:52:35 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 02:51:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	2064	0.40	ng/ul	-0.01
4) Naphthalene-d8	9.56	136	9624	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.36	164	4641	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	13683	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	15685	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	16571	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.99	96	1884	1.27	ng/uL	0.03
6) 2-Methylnaphthalene-d10	11.09	152	333	0.03	ng/ul	0.02
16) Fluoranthene-d10	18.07	212	1016	0.03	ng/ul	0.00

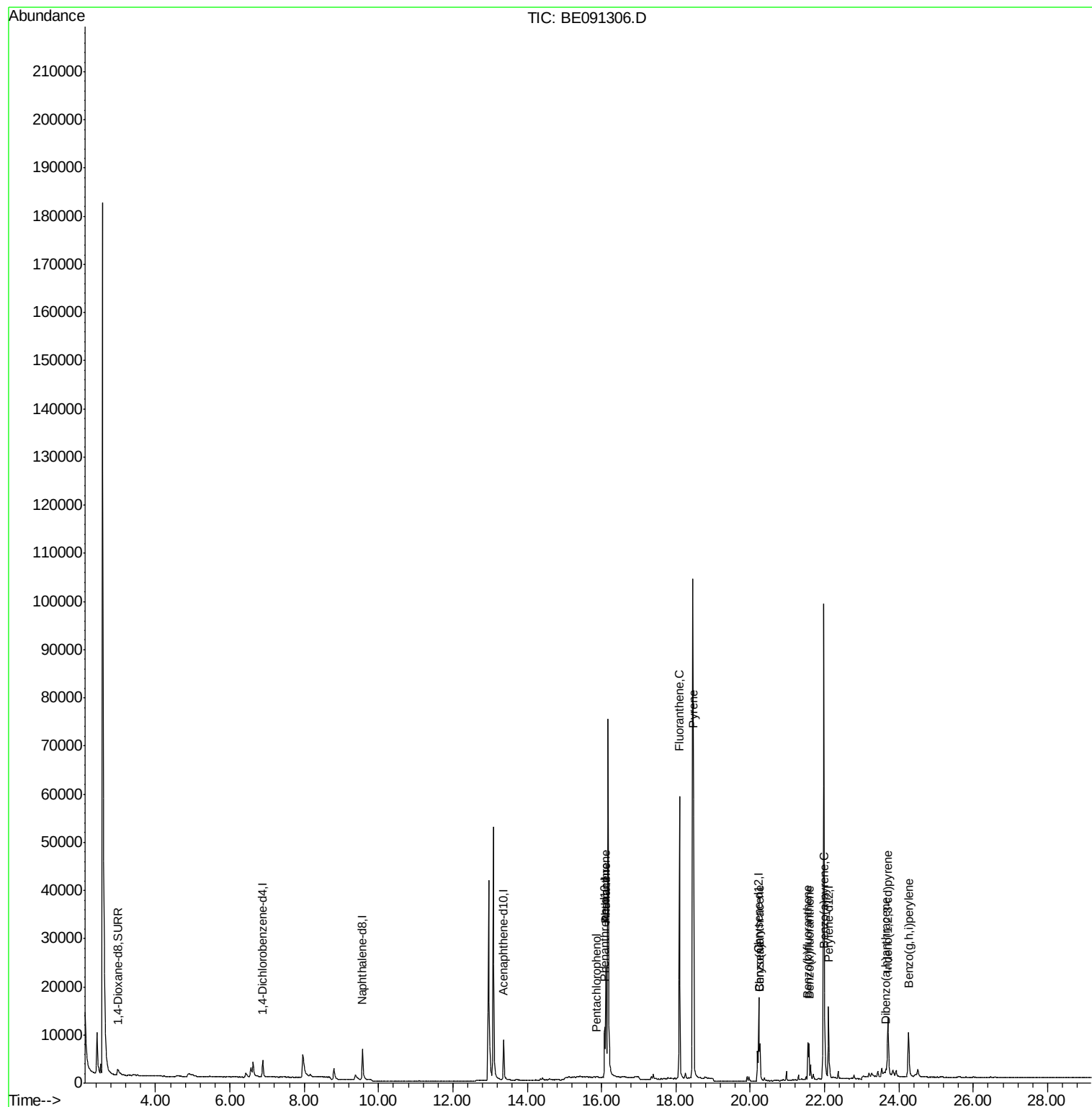
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Pentachlorophenol	15.87	266	44	0.03	ng/ul#	65
14) Phenanthrene	16.11	178	29287	0.19	ng/ul	98
15) Anthracene	16.11	178	29287	0.20	ng/ul	97
17) Fluoranthene	18.10	202	64698	0.35	ng/ul	89
19) Pyrene	18.47	202	65508	0.37	ng/ul#	79
20) Benzo(a)anthracene	20.26	228	9010	0.22	ng/ul	94
21) Chrysene	20.26	228	9312	0.20	ng/ul	98
23) Benzo(b)fluoranthene	21.55	252	7326	0.14	ng/ul	99
24) Benzo(k)fluoranthene	21.58	252	7728	0.15	ng/ul	96
25) Benzo(a)pyrene	22.01	252	7648	0.16	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	23.70	276	17684	0.09	ng/ul#	90
27) Dibenzo(a,h)anthracene	23.65	278	1443	0.03	ng/ul#	62
28) Benzo(g,h,i)perylene	24.26	276	16106	0.08	ng/ul	95

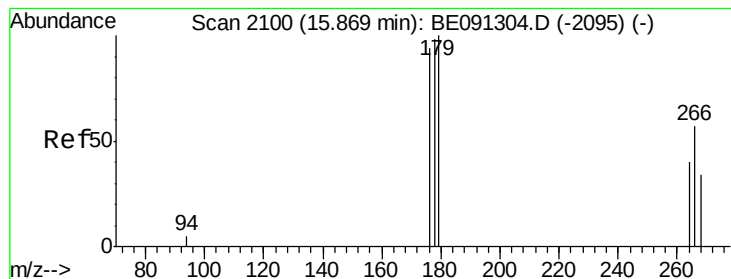
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 15.87 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL

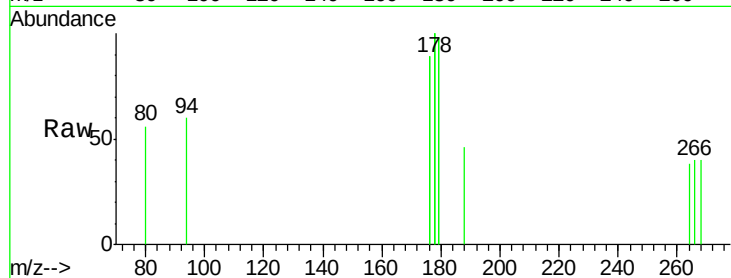
Tgt Ion:266 Resp: 44

Ion Ratio Lower Upper

266 100

264 63.6 53.5 80.3

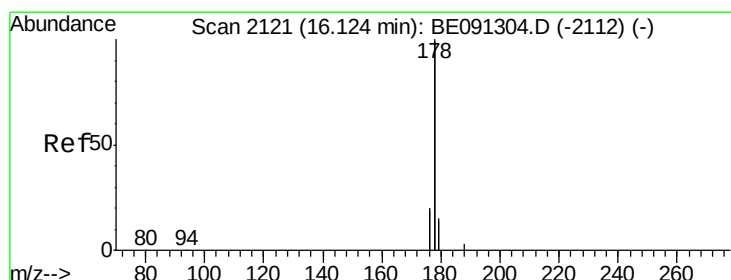
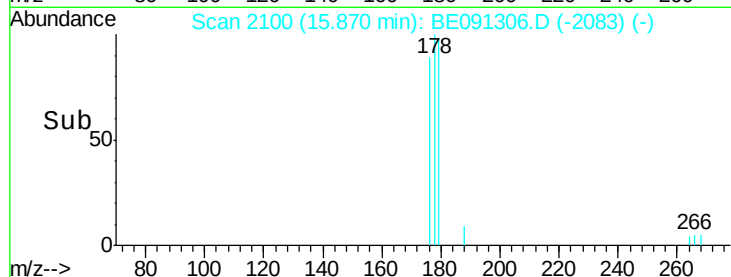
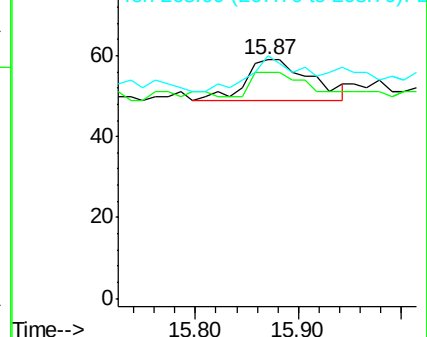
268 120.5 54.2 81.2#



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: 0.19 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

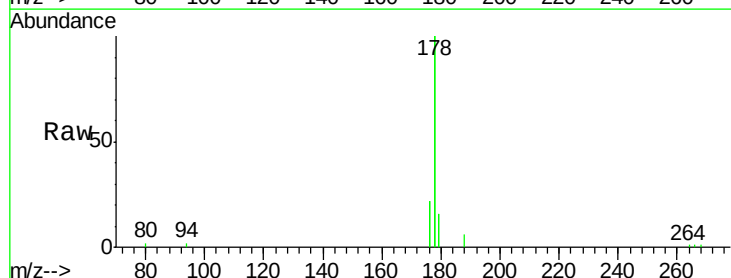
Tgt Ion:178 Resp: 29287

Ion Ratio Lower Upper

178 100

176 21.7 16.2 24.4

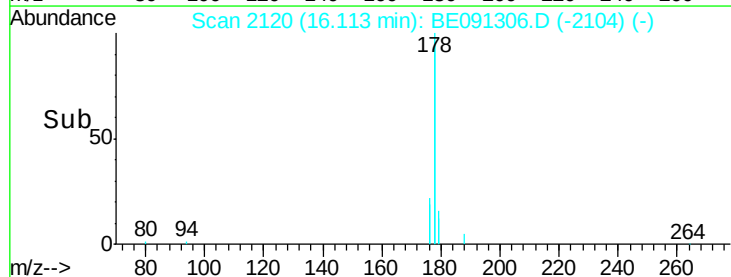
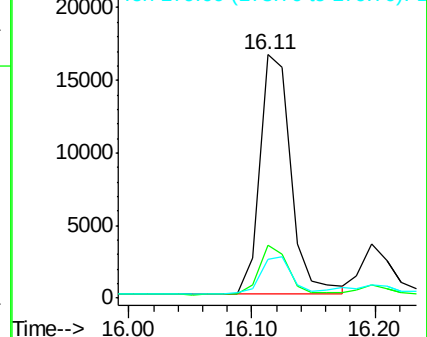
179 15.7 12.8 19.2

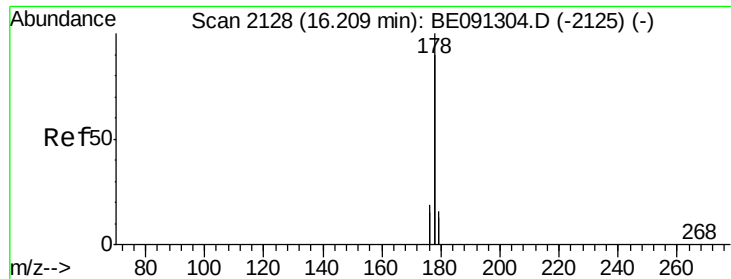


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.20 ng/ul

RT: 16.11 min Scan# 2120

Delta R.T. -0.10 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL

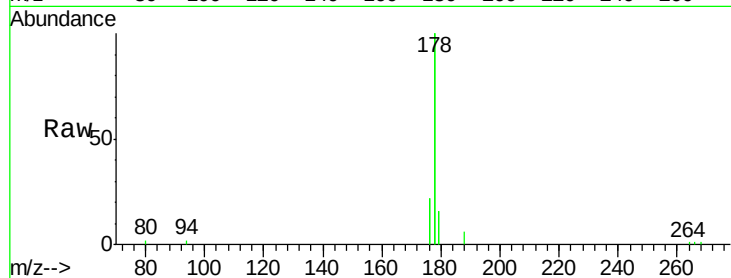
Tgt Ion:178 Resp: 29287

Ion Ratio Lower Upper

178 100

176 21.7 15.8 23.8

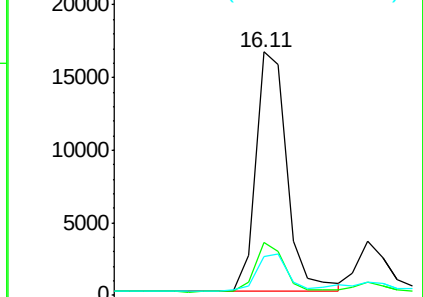
179 15.7 13.3 19.9



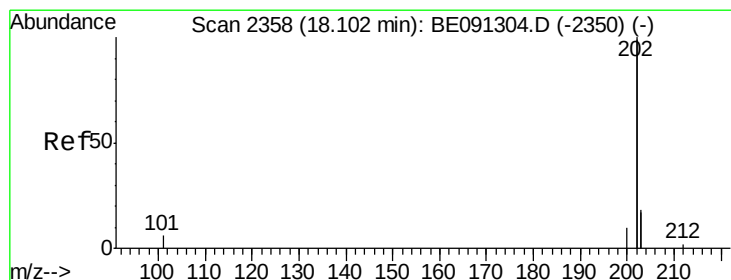
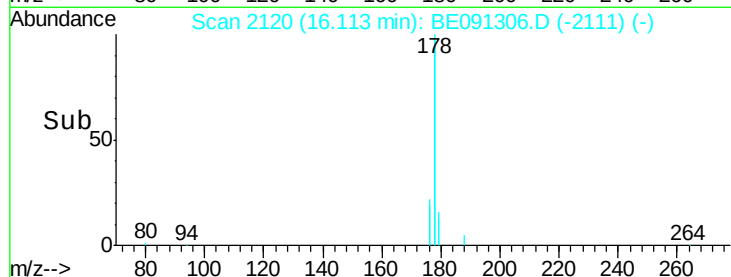
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.00 16.10 16.20



#17

Fluoranthene

Concen: 0.35 ng/ul

RT: 18.10 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

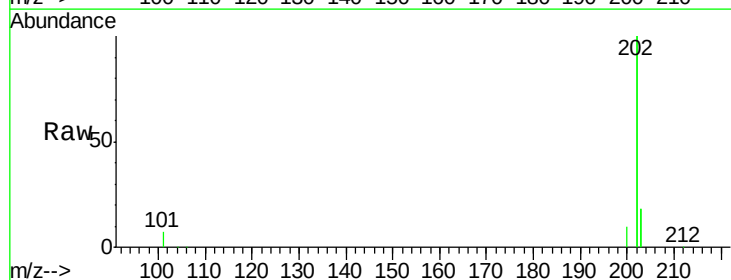
Tgt Ion:202 Resp: 64698

Ion Ratio Lower Upper

202 100

101 3.6 0.0 33.1

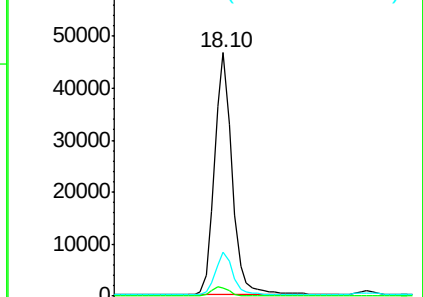
203 17.9 0.0 37.2



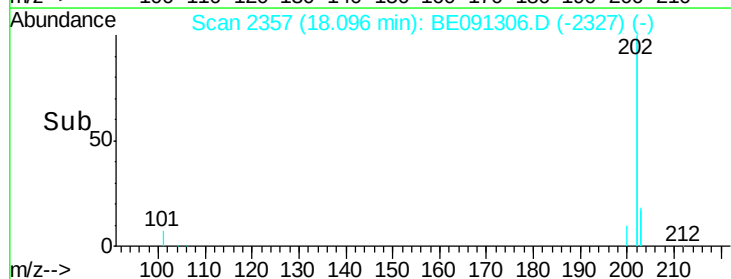
Abundance Ion 202.00 (201.70 to 202.70): E

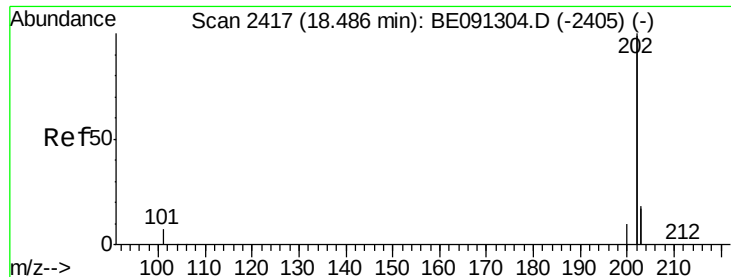
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 18.00 18.10 18.20





#19

Pyrene

Concen: 0.37 ng/ul

RT: 18.47 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL

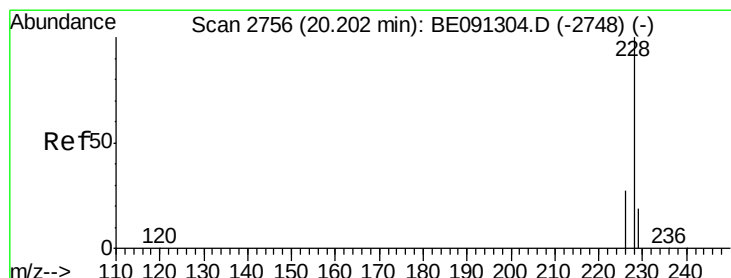
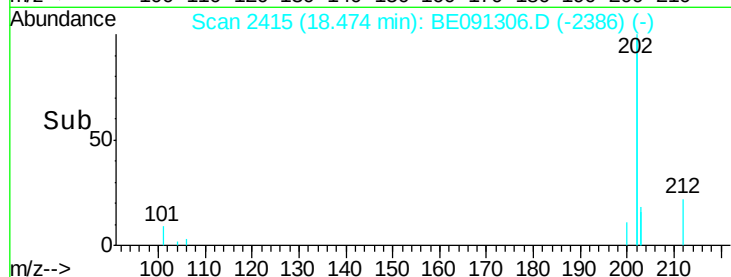
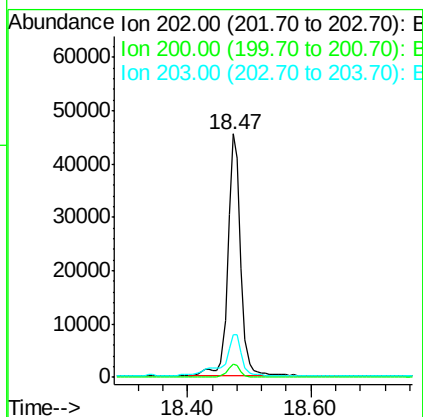
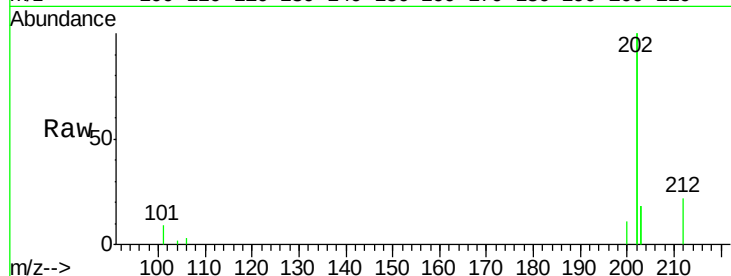
Tgt Ion:202 Resp: 65508

Ion Ratio Lower Upper

202 100

200 5.5 18.0 27.0#

203 17.8 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.22 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. 0.05 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

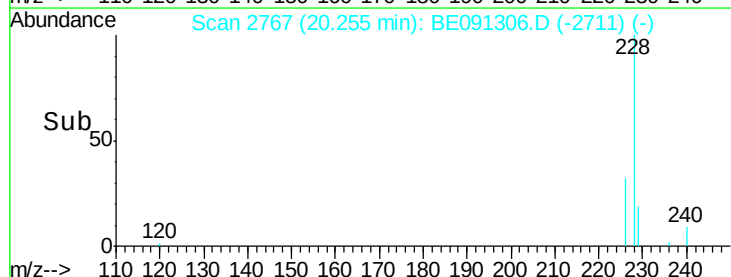
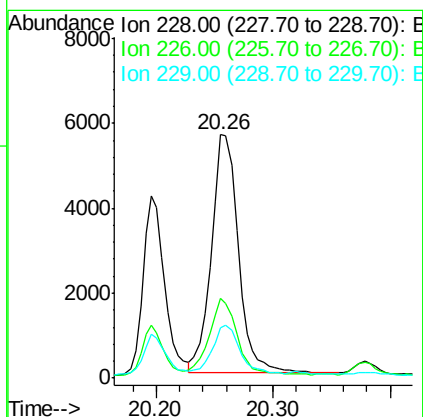
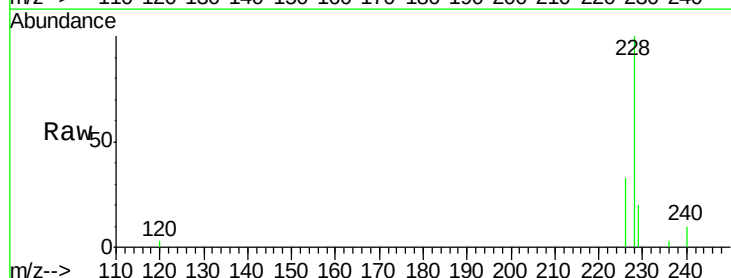
Tgt Ion:228 Resp: 9010

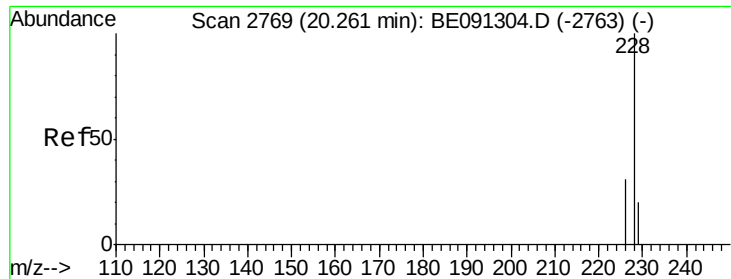
Ion Ratio Lower Upper

228 100

226 32.8 23.0 34.4

229 20.5 15.2 22.8





#21

Chrysene

Concen: 0.20 ng/ul

RT: 20.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL

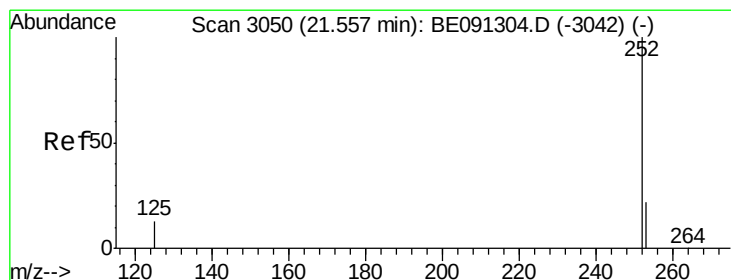
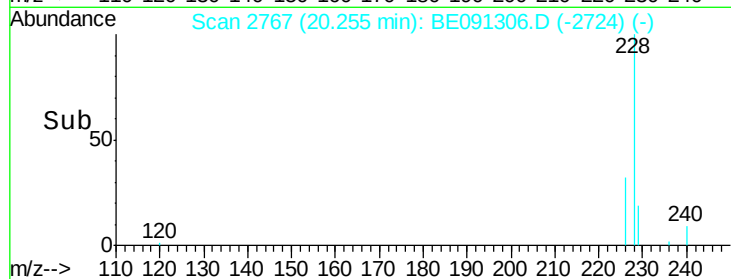
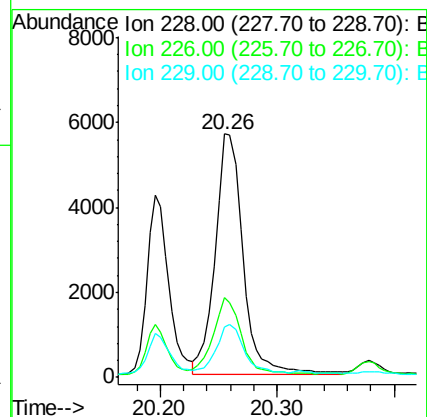
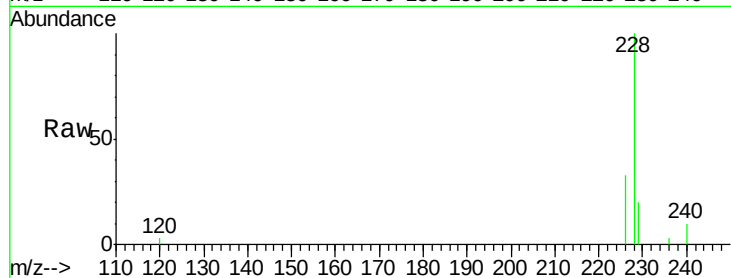
Tgt Ion:228 Resp: 9312

Ion Ratio Lower Upper

228 100

226 32.8 25.7 38.5

229 20.5 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.14 ng/ul

RT: 21.55 min Scan# 3048

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

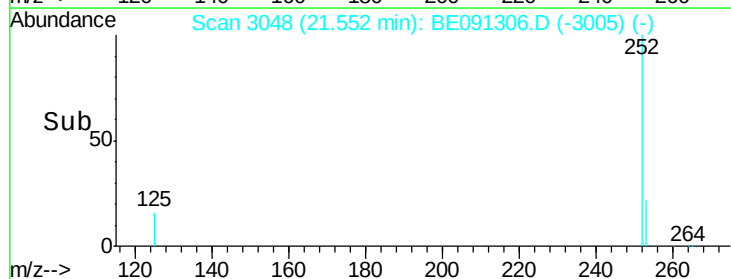
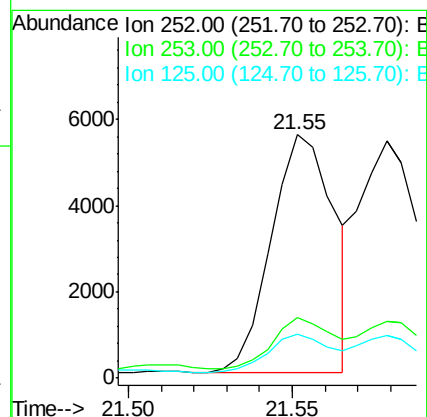
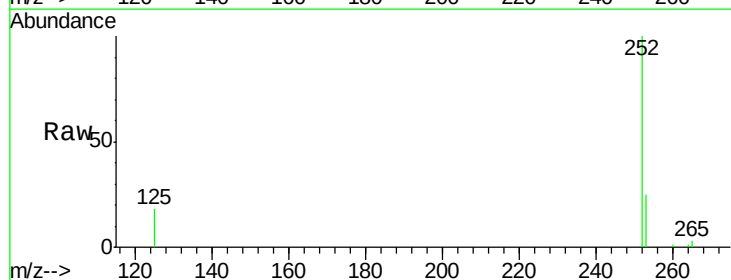
Tgt Ion:252 Resp: 7326

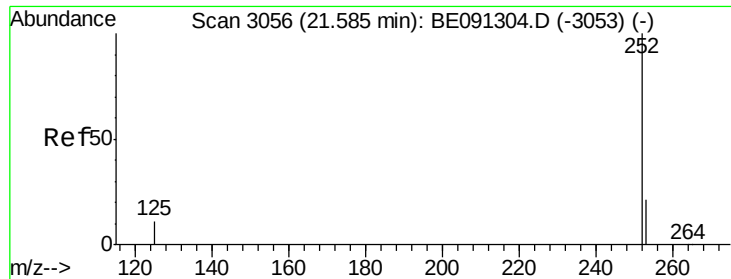
Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.0

125 18.2 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.15 ng/ul

RT: 21.58 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL

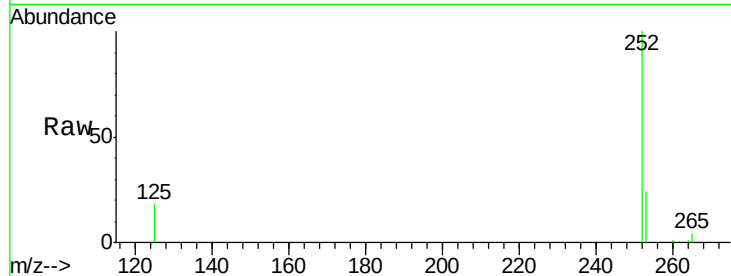
Tgt Ion:252 Resp: 7728

Ion Ratio Lower Upper

252 100

253 24.2 20.8 31.2

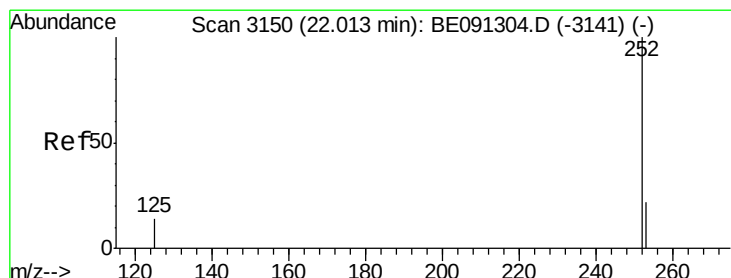
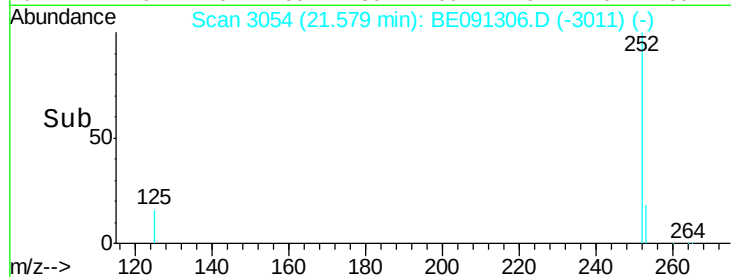
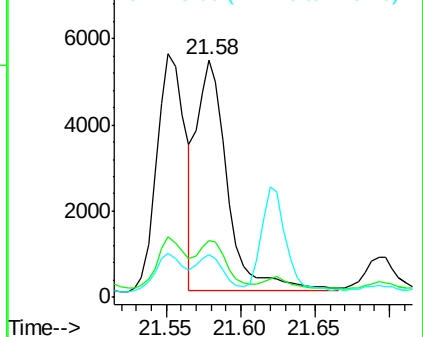
125 17.8 12.2 18.4



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: 0.16 ng/ul

RT: 22.01 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

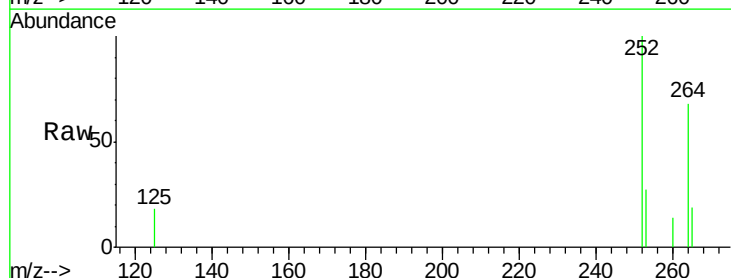
Tgt Ion:252 Resp: 7648

Ion Ratio Lower Upper

252 100

253 27.4 21.8 32.8

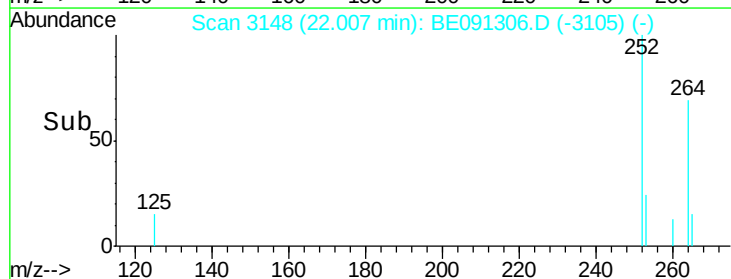
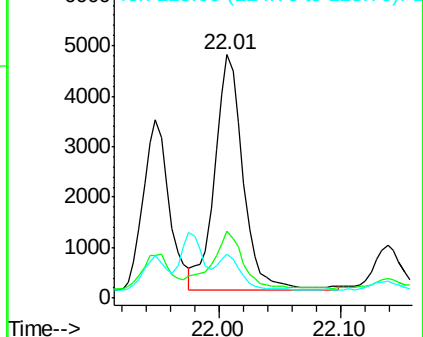
125 18.0 14.5 21.7

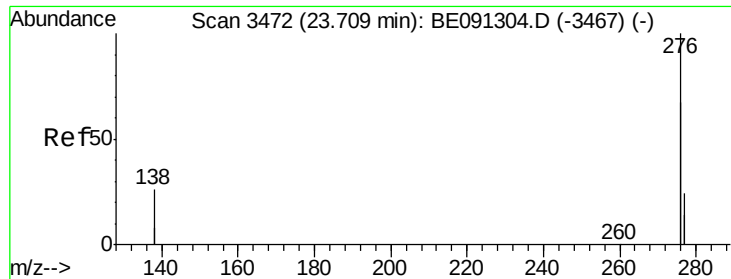


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.09 ng/ul

RT: 23.70 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL

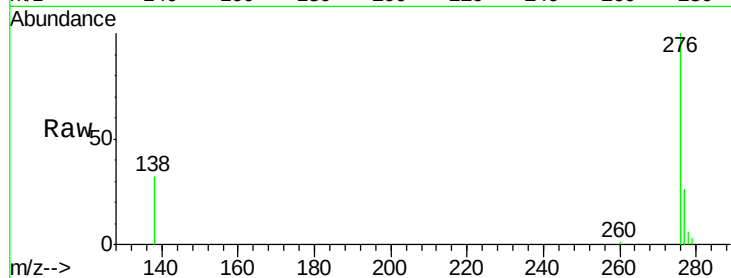
Tgt Ion:276 Resp: 17684

Ion Ratio Lower Upper

276 100

138 24.7 27.5 41.3#

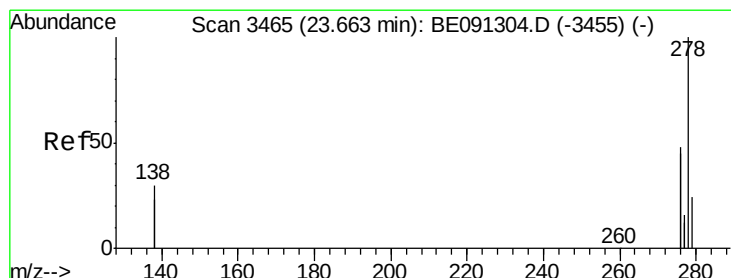
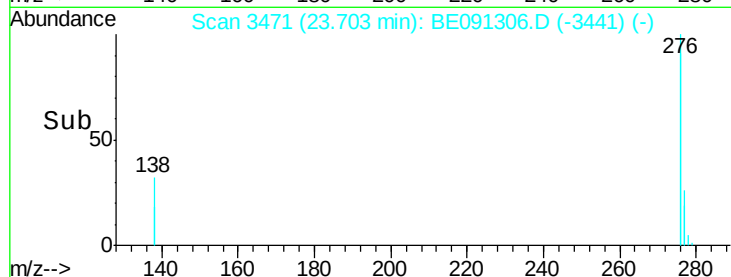
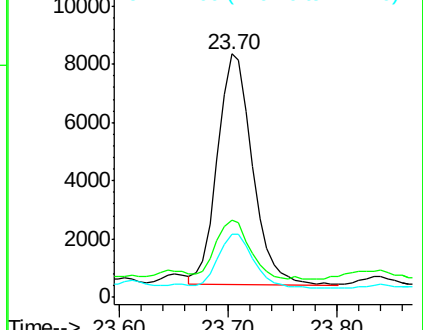
277 23.6 19.3 28.9



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: 0.03 ng/ul

RT: 23.65 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BE091306.D

Acq: 23 Nov 2015 18:58

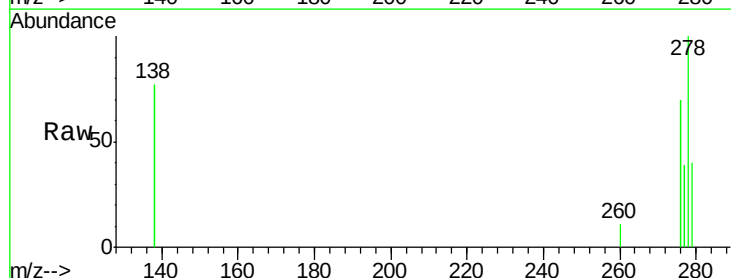
Tgt Ion:278 Resp: 1443

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

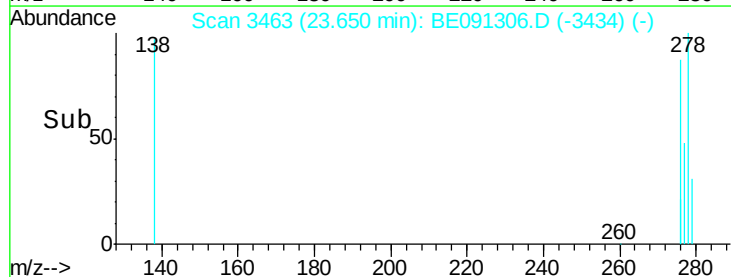
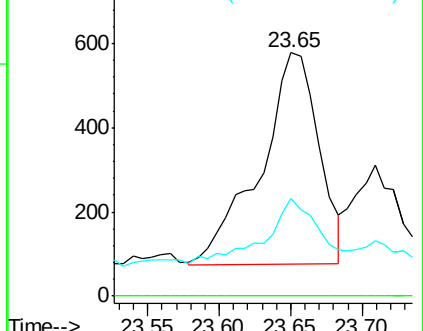
279 40.3 21.9 32.9#

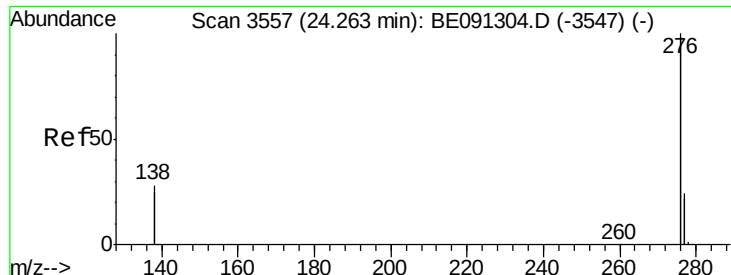


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.08 ng/ul

RT: 24.26 min Scan# 3556

Delta R.T. -0.01 min

Lab File: BE091306.D

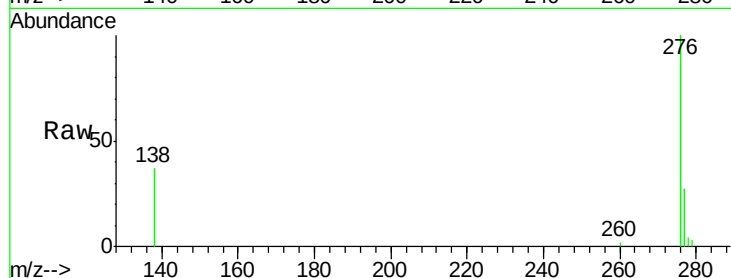
Acq: 23 Nov 2015 18:58

Instrument :

BNA_E

ClientSampleId :

A4HS9DL



Tgt Ion: 276 Resp: 16106

Ion Ratio Lower Upper

276 100

277 27.3 21.3 31.9

138 36.7 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

