

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101515\
 Data File : BE091018.D
 Acq On : 15 Oct 2015 12:59
 Operator : UM/IZ
 Sample : G3981-04DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X2058DL

Quant Time: Oct 15 13:33:08 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE101415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 05:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	6093	0.40	ng/ul	-0.01
2) Naphthalene-d8	9.62	136	26890	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.44	164	15412	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.16	188	39490	0.40	ng/ul	0.00
16) Chrysene-d12	20.31	240	53998	0.40	ng/ul	0.00
20) Perylene-d12	22.22	264	53841	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.12	152	5658	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	18400	0.20	ng/ul	0.00

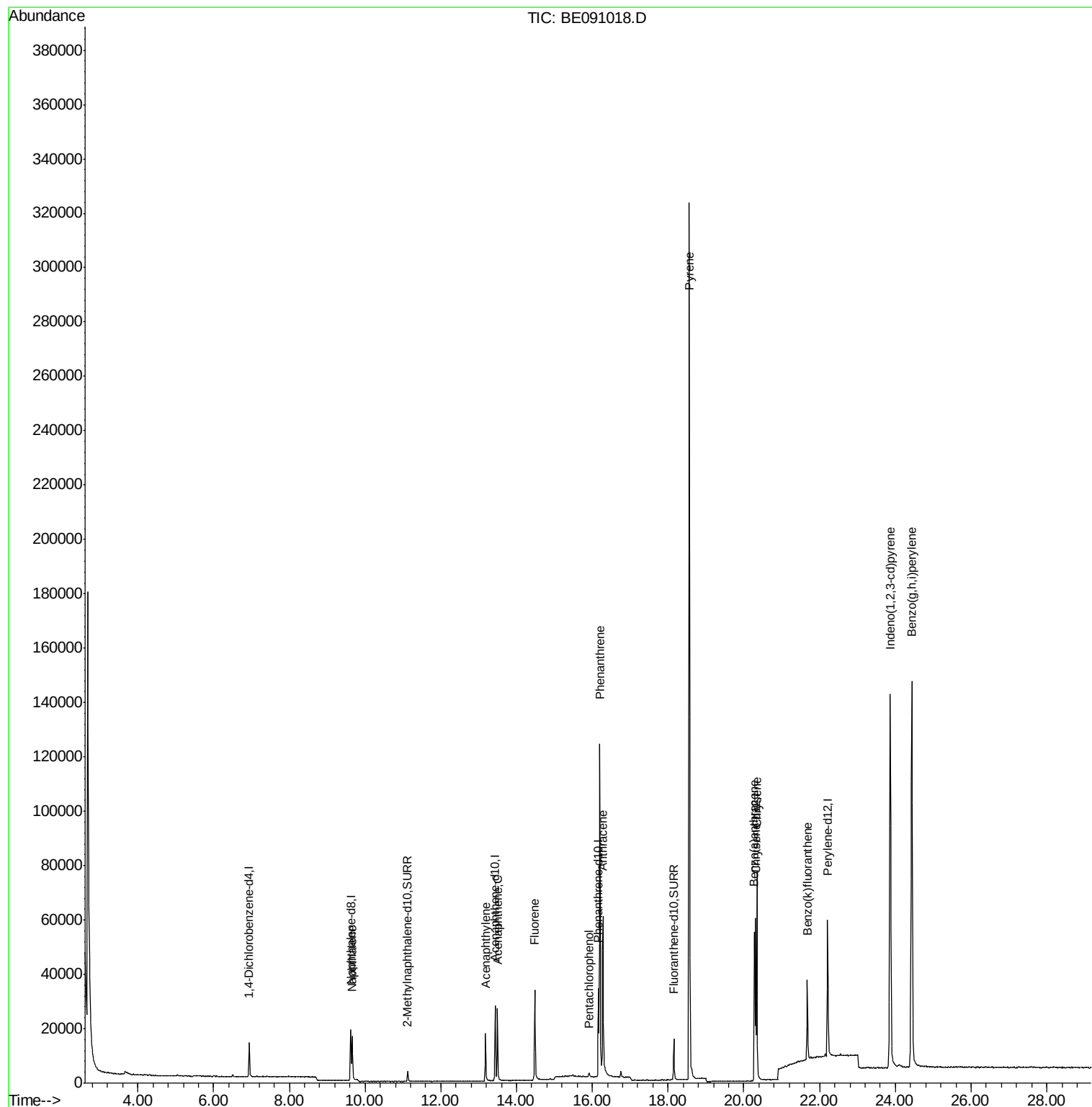
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	9.67	128	25599	0.41	ng/ul	98
7) Acenaphthylene	13.18	152	21772	0.38	ng/ul	98
8) Acenaphthene	13.50	153	15367	0.37	ng/ul	98
9) Fluorene	14.48	166	23105	0.45	ng/ul	99
11) Pentachlorophenol	15.92	266	1312	0.29	ng/ul	98
12) Phenanthrene	16.20	178	128887	0.37	ng/ul	97
13) Anthracene	16.28	178	81770	0.24	ng/ul	95
17) Pyrene	18.56	202	343664	0.75	ng/ul	99
18) Benzo(a)anthracene	20.28	228	44245	0.38	ng/ul	98
19) Chrysene	20.34	228	63540	0.50	ng/ul	99
22) Benzo(k)fluoranthene	21.68	252	31504	0.24	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	23.87	276	209265	0.42	ng/ul	99
26) Benzo(g,h,i)perylene	24.43	276	235544	0.45	ng/ul	92

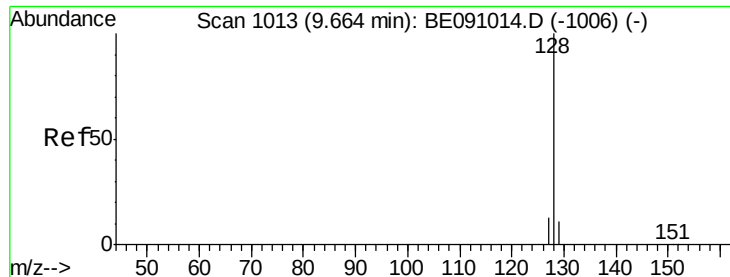
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 9.67 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

Instrument :

BNA_E

ClientSampleId :

X2058DL

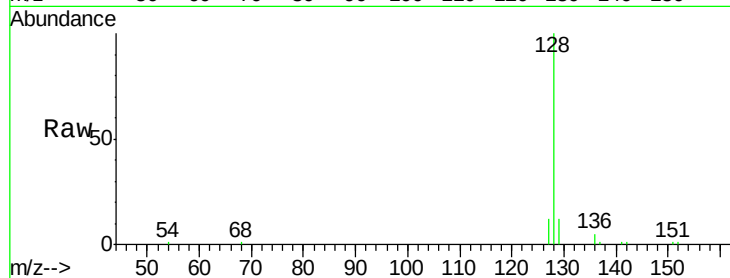
Tgt Ion:128 Resp: 25599

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.4

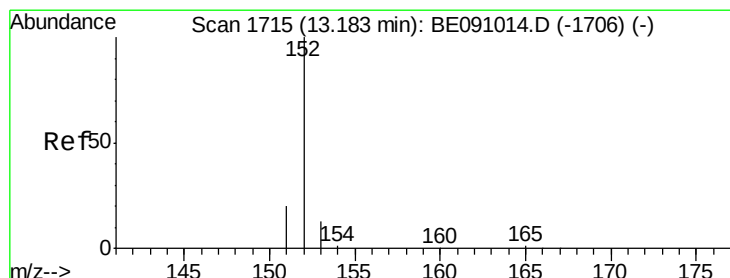
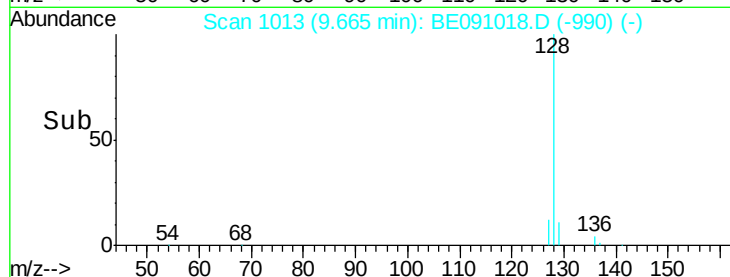
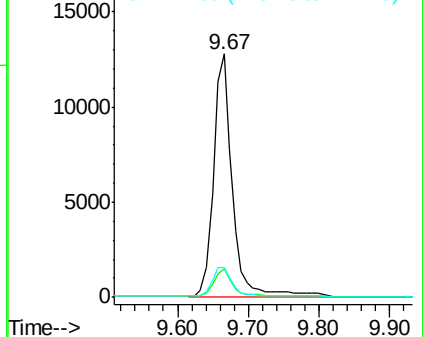
127 12.3 10.7 16.1



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

Acenaphthylene

Concen: 0.38 ng/ul

RT: 13.18 min Scan# 1715

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

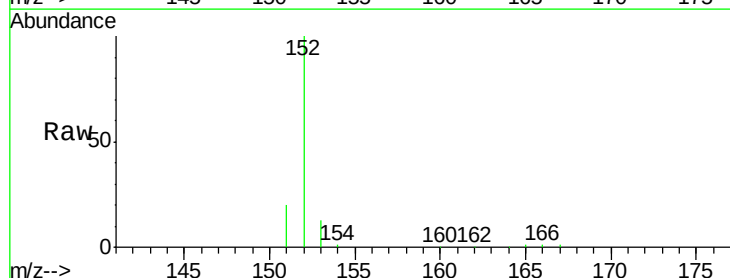
Tgt Ion:152 Resp: 21772

Ion Ratio Lower Upper

152 100

151 19.6 16.6 24.8

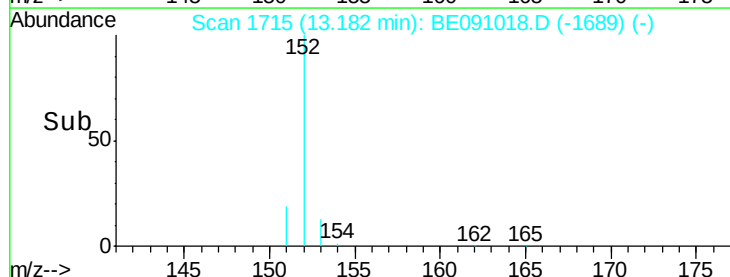
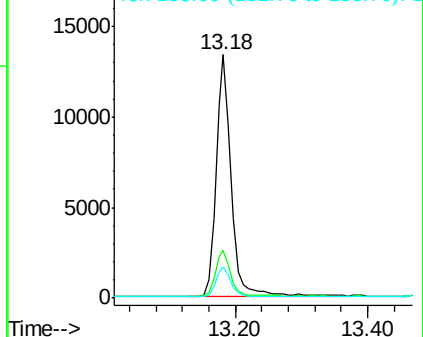
153 13.0 10.7 16.1

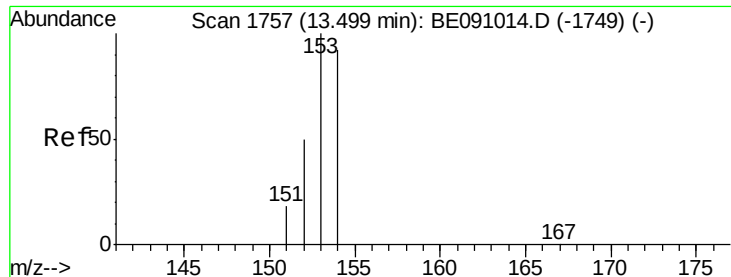


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.37 ng/ul

RT: 13.50 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

Instrument :

BNA_E

ClientSampleId :

X2058DL

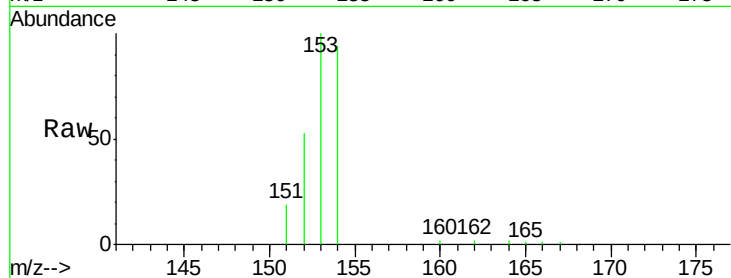
Tgt Ion:153 Resp: 15367

Ion Ratio Lower Upper

153 100

152 52.8 39.8 59.8

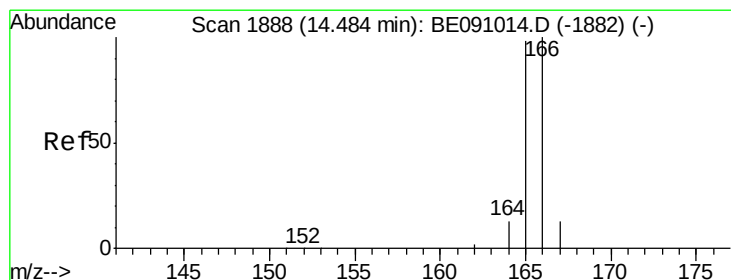
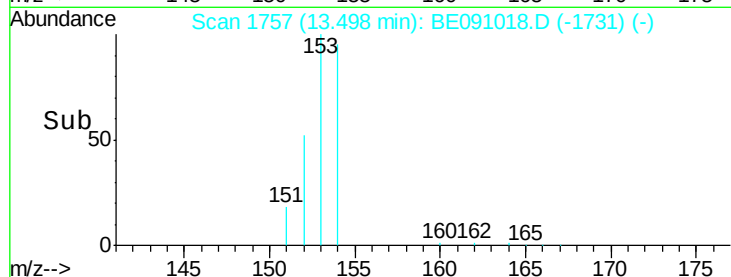
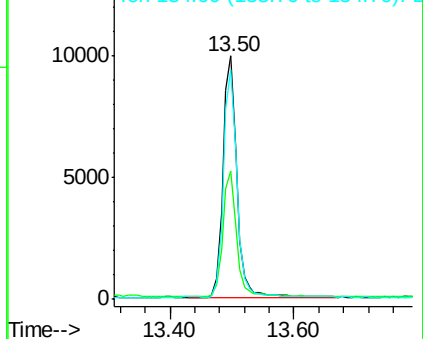
154 94.5 75.4 113.2



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



#9

Fluorene

Concen: 0.45 ng/ul

RT: 14.48 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

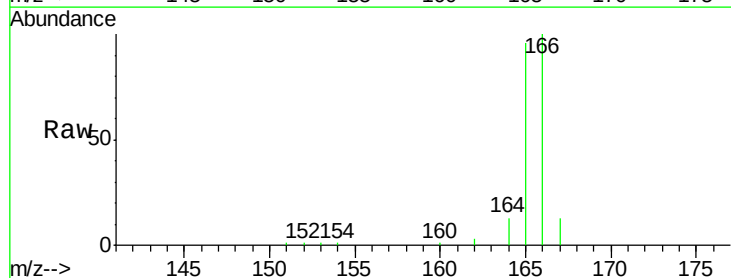
Tgt Ion:166 Resp: 23105

Ion Ratio Lower Upper

166 100

165 95.9 77.7 116.5

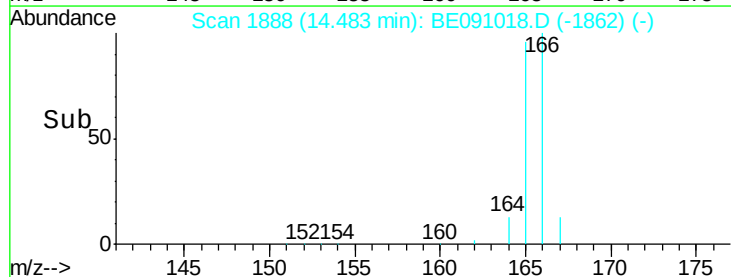
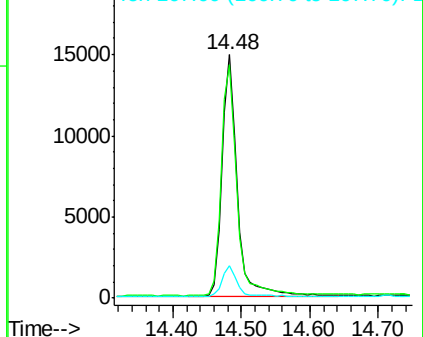
167 13.3 10.9 16.3

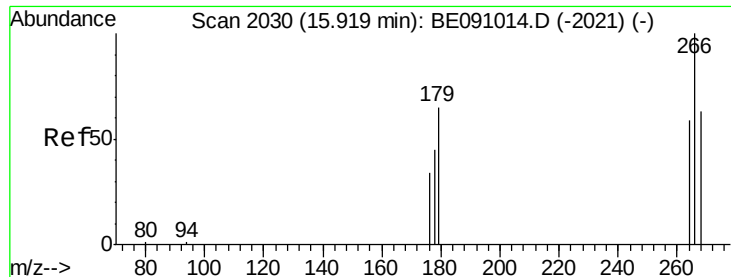


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

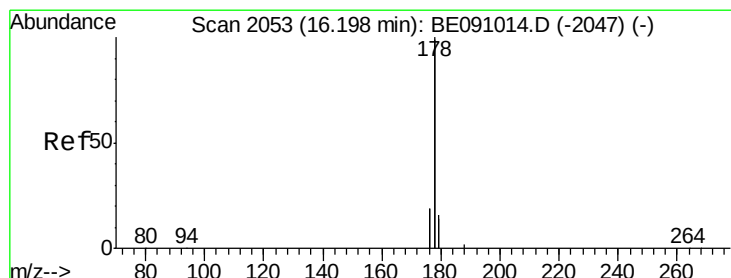
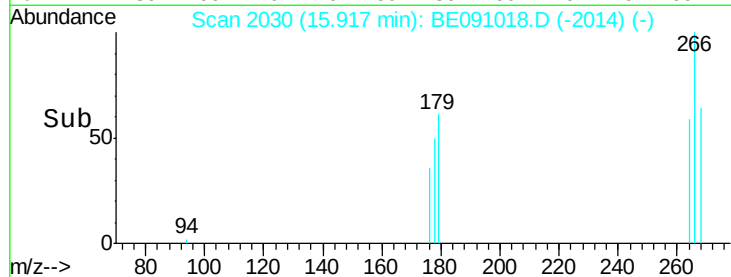
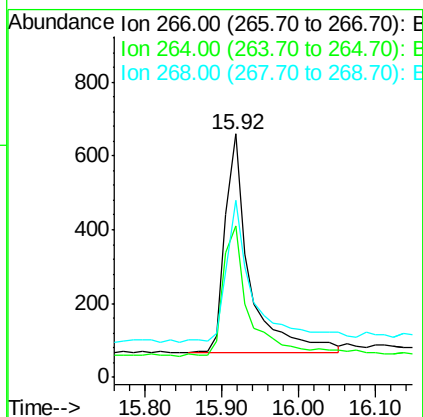
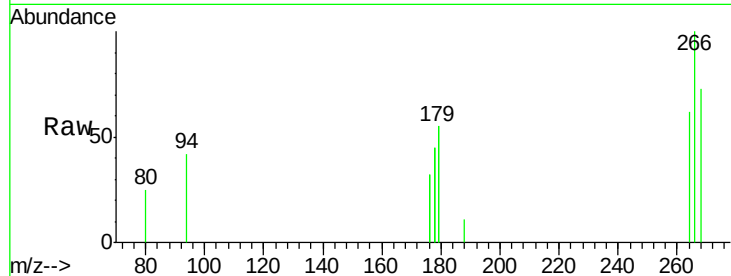




#11
 Pentachlorophenol
 Concen: 0.29 ng/ul
 RT: 15.92 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BE091018.D
 Acq: 15 Oct 2015 12:59

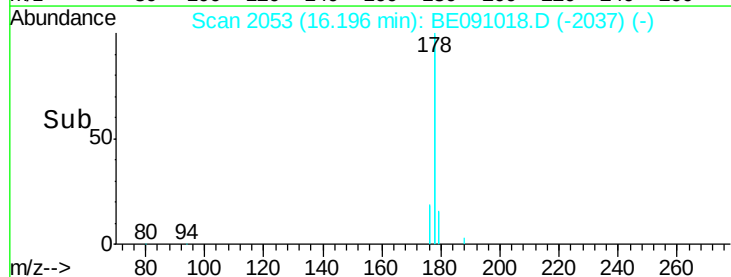
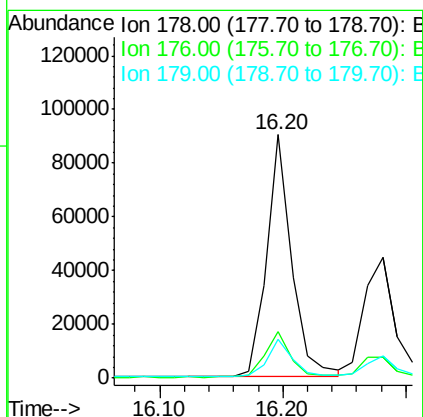
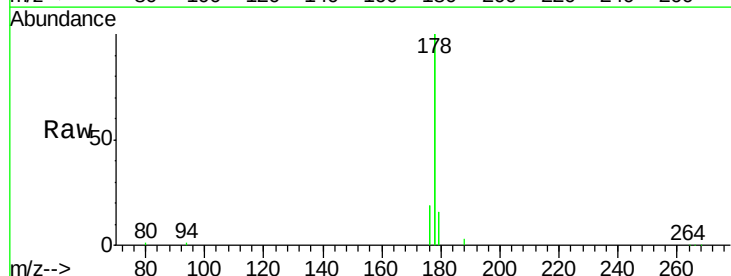
Instrument :
 BNA_E
 ClientSampleId :
 X2058DL

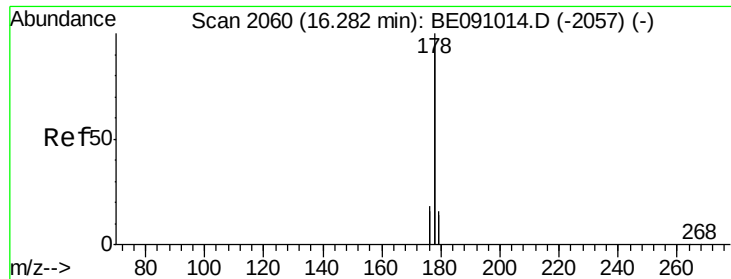
Tgt Ion: 266 Resp: 1312
 Ion Ratio Lower Upper
 266 100
 264 64.6 50.7 76.1
 268 74.3 57.6 86.4



#12
 Phenanthrene
 Concen: 0.37 ng/ul
 RT: 16.20 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BE091018.D
 Acq: 15 Oct 2015 12:59

Tgt Ion: 178 Resp: 128887
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.9 25.3
 179 16.1 12.0 18.0





#13

Anthracene

Concen: 0.24 ng/ul

RT: 16.28 min Scan# 2060

Delta R.T. -0.00 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

Instrument :

BNA_E

ClientSampleId :

X2058DL

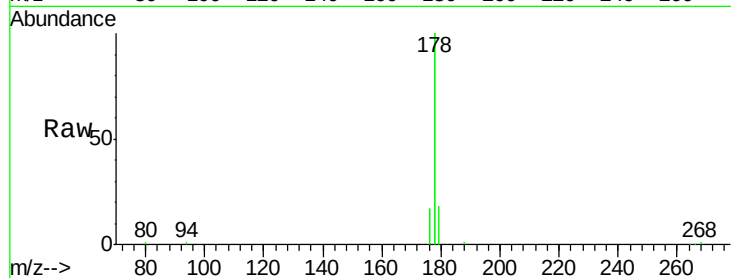
Tgt Ion:178 Resp: 81770

Ion Ratio Lower Upper

178 100

176 17.2 14.9 22.3

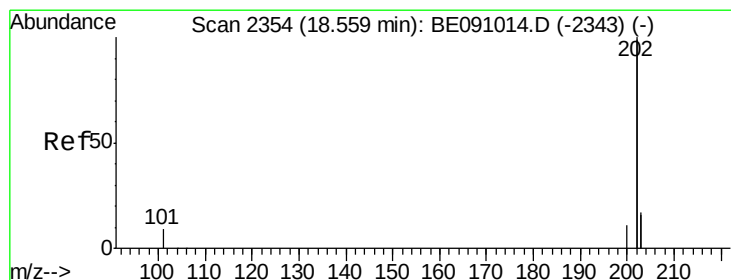
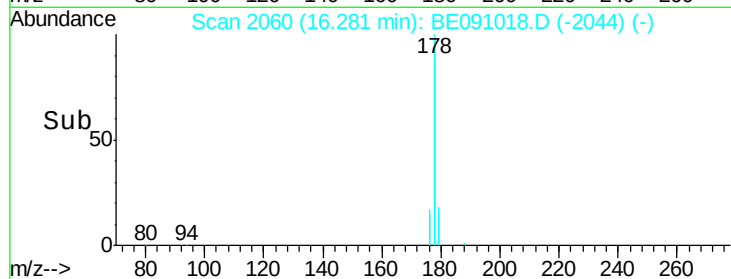
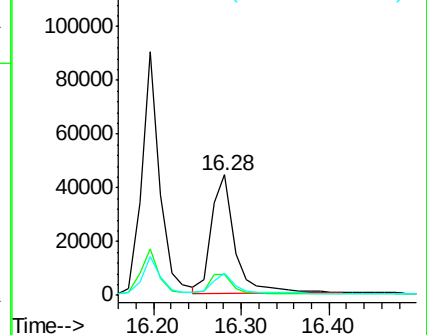
179 18.1 12.3 18.5



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

Pyrene

Concen: 0.75 ng/ul

RT: 18.56 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

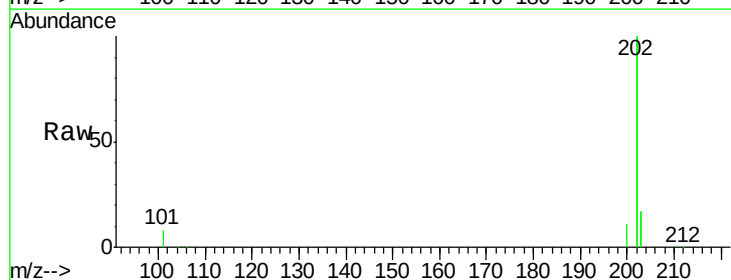
Tgt Ion:202 Resp: 343664

Ion Ratio Lower Upper

202 100

200 5.5 4.3 6.5

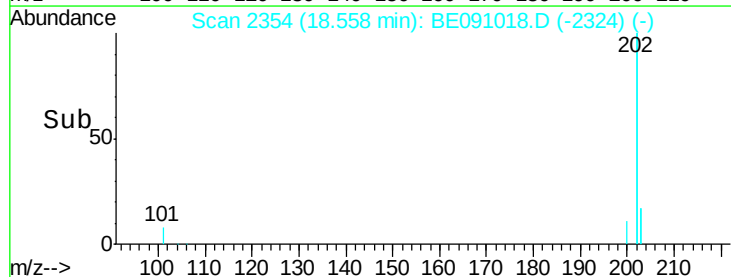
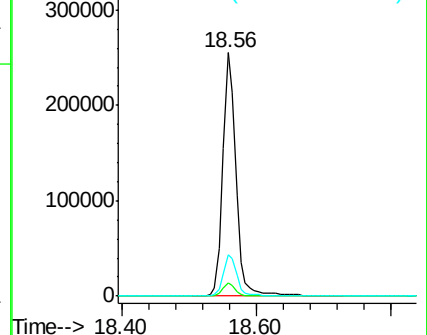
203 17.1 13.9 20.9

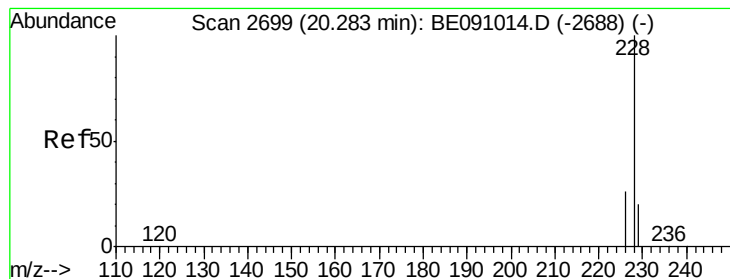


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.38 ng/ul

RT: 20.28 min Scan# 2699

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

Instrument :

BNA_E

ClientSampleId :

X2058DL

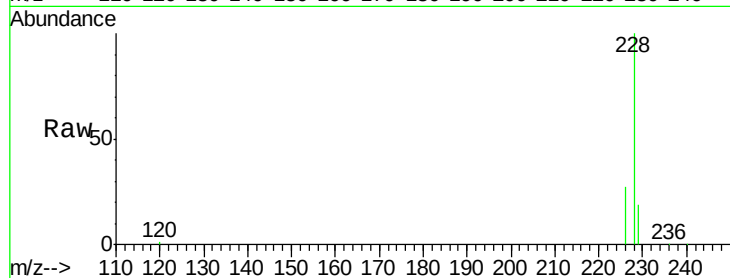
Tgt Ion:228 Resp: 44245

Ion Ratio Lower Upper

228 100

226 26.6 22.1 33.1

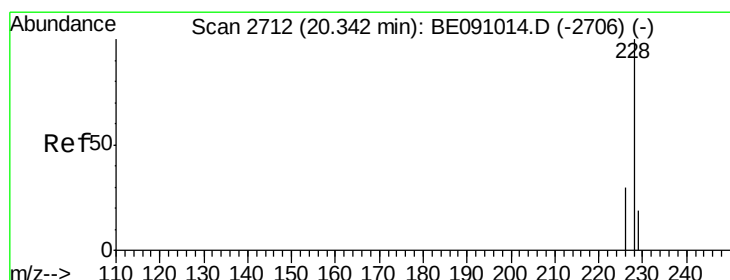
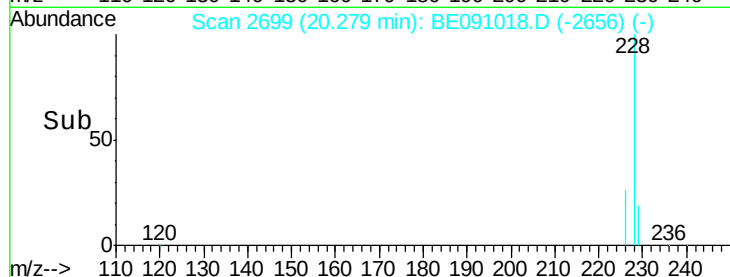
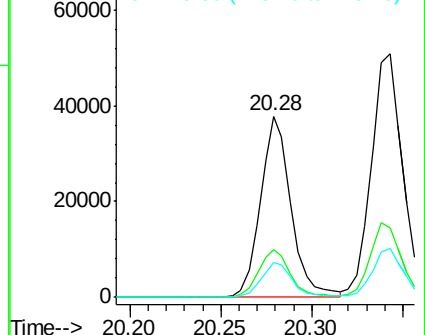
229 19.1 15.8 23.6



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



#19

Chrysene

Concen: 0.50 ng/ul

RT: 20.34 min Scan# 2713

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

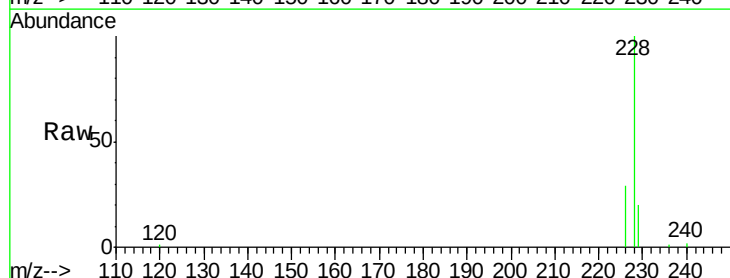
Tgt Ion:228 Resp: 63540

Ion Ratio Lower Upper

228 100

226 28.7 23.6 35.4

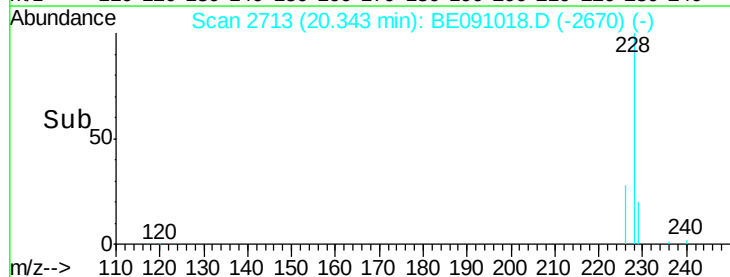
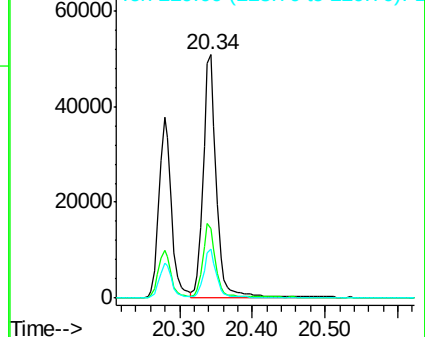
229 20.1 15.8 23.8

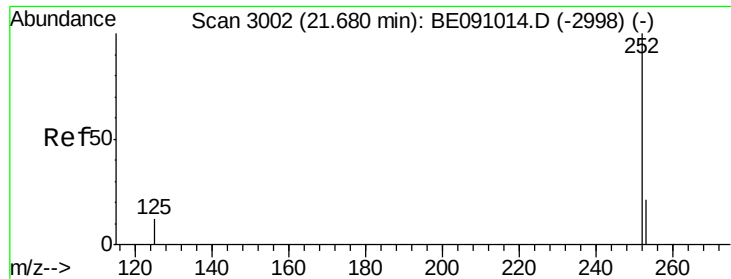


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#22

Benzo(k)fluoranthene

Concen: 0.24 ng/ul

RT: 21.68 min Scan# 3002

Delta R.T. -0.00 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

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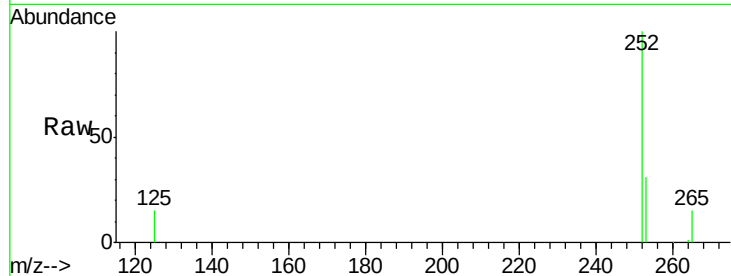
Tgt Ion:252 Resp: 31504

Ion Ratio Lower Upper

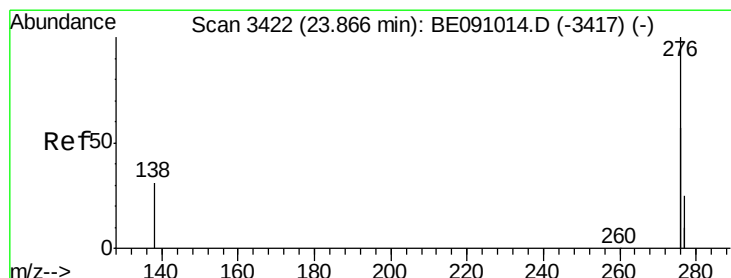
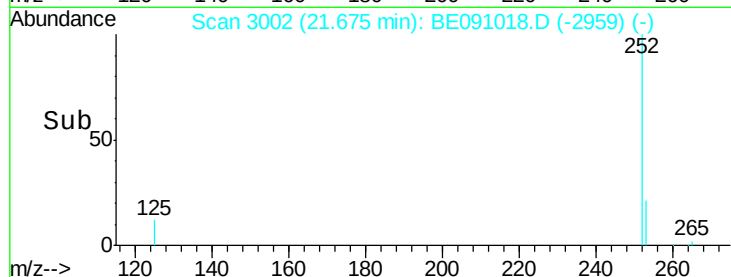
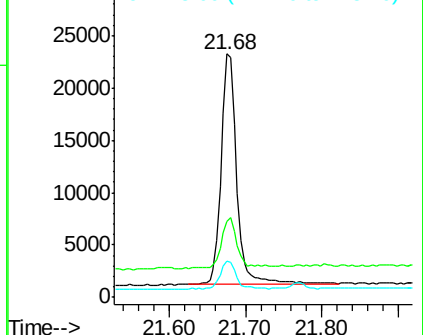
252 100

253 31.4 29.8 44.6

125 15.0 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng/ul

RT: 23.87 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

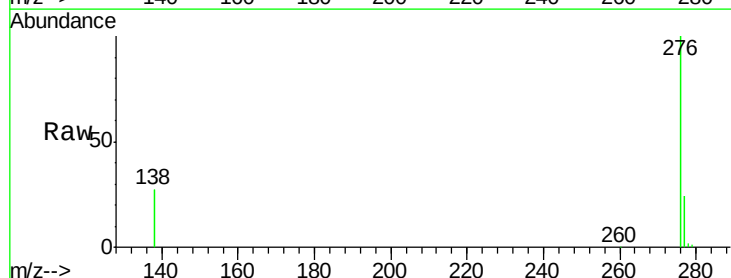
Tgt Ion:276 Resp: 209265

Ion Ratio Lower Upper

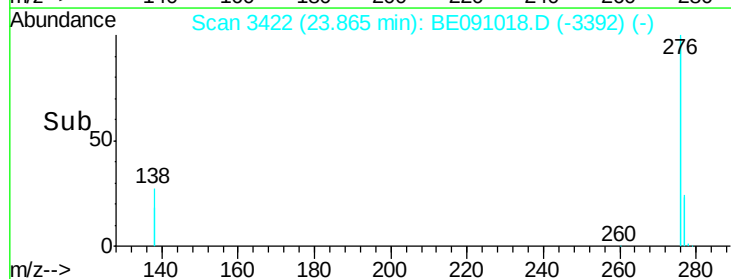
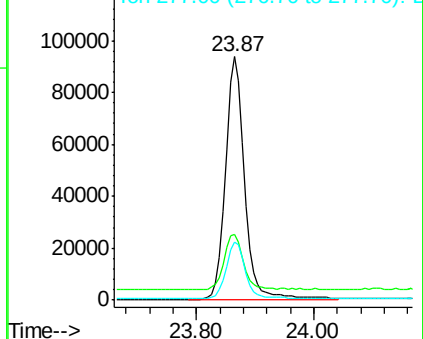
276 100

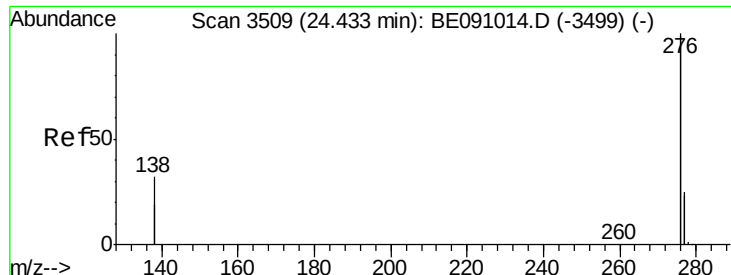
138 24.9 19.5 29.3

277 23.6 19.4 29.0



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





#26

Benzo(g,h,i)perylene

Concen: 0.45 ng/ul

RT: 24.43 min Scan# 3509

Delta R.T. -0.01 min

Lab File: BE091018.D

Acq: 15 Oct 2015 12:59

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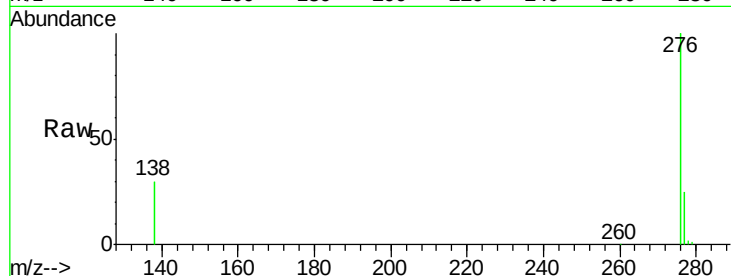
Tgt Ion: 276 Resp: 235544

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.8

138 29.5 29.4 44.2



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

