

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101915\
 Data File : BE091026.D
 Acq On : 19 Oct 2015 18:28
 Operator : UM/NP
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 20 01:02:10 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 : Tue Oct 20 01:00:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	5553	0.40	ng/ul	0.00
2) Naphthalene-d8	9.62	136	26206	0.40	ng/ul	0.00
6) Acenaphthene-d10	13.43	164	14429	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.16	188	36823	0.40	ng/ul	0.00
16) Chrysene-d12	20.31	240	45979	0.40	ng/ul	0.00
20) Perylene-d12	22.21	264	43186	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.12	152	11259	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.15	212	32269	0.37	ng/ul	0.00

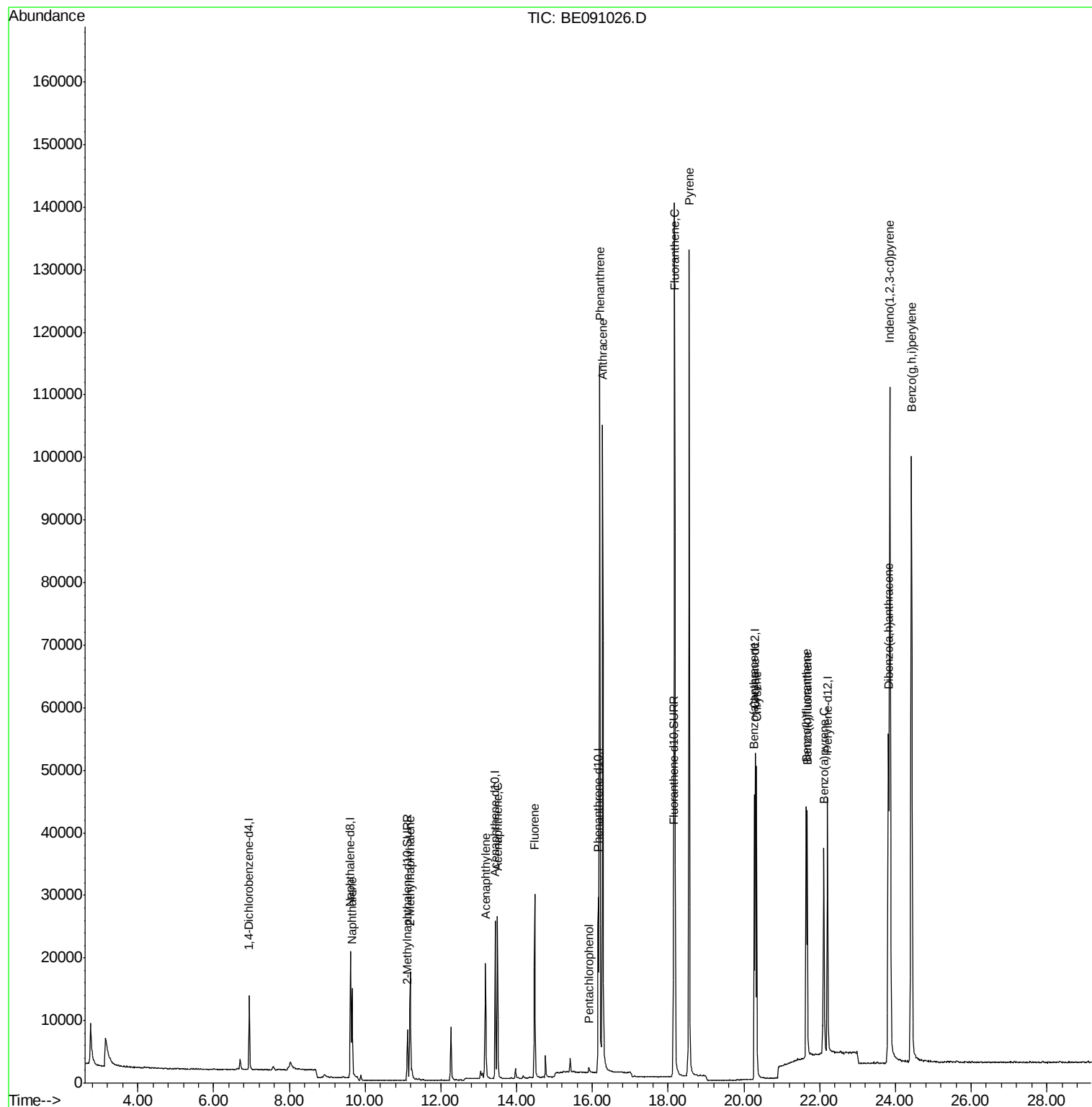
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	9.66	128	22114	0.36	ng/ul	98
5) 2-Methylnaphthalene	11.19	142	12665	0.38	ng/ul	97
7) Acenaphthylene	13.18	152	21087	0.40	ng/ul	99
8) Acenaphthene	13.49	153	14580	0.38	ng/ul	96
9) Fluorene	14.48	166	18355	0.39	ng/ul	95
11) Pentachlorophenol	15.91	266	753	0.18	ng/ul	98
12) Phenanthrene	16.20	178	128216	0.39	ng/ul	94
13) Anthracene	16.27	178	121284	0.38	ng/ul	99
15) Fluoranthene	18.17	202	153509	0.37	ng/ul	98
17) Pyrene	18.56	202	152962	0.39	ng/ul	97
18) Benzo(a)anthracene	20.27	228	37008	0.37	ng/ul	99
19) Chrysene	20.34	228	40893	0.38	ng/ul	99
21) Benzo(b)fluoranthene	21.64	252	41616	0.41	ng/ul	83
22) Benzo(k)fluoranthene	21.67	252	39943	0.38	ng/ul#	84
23) Benzo(a)pyrene	22.11	252	38391	0.38	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	23.86	276	156644	0.39	ng/ul	99
25) Dibenzo(a,h)anthracene	23.81	278	39293	0.39	ng/ul	94
26) Benzo(g,h,i)perylene	24.43	276	167174	0.40	ng/ul#	92

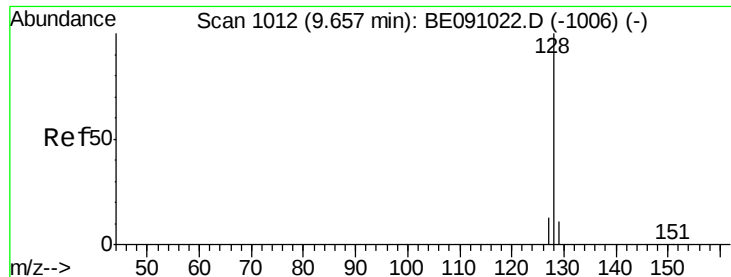
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.36 ng/ul

RT: 9.66 min Scan# 1012

Delta R.T. 0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

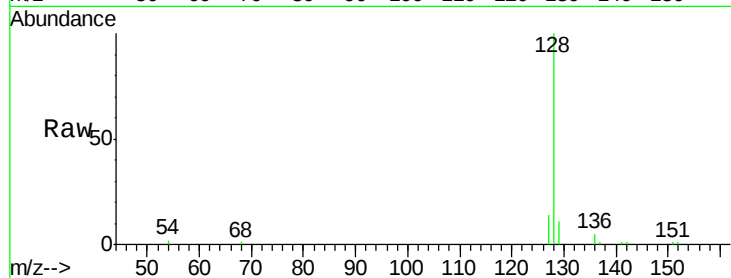
Tot Ion:128 Resp: 22114

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

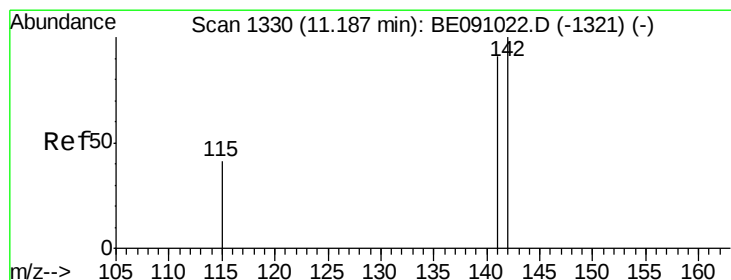
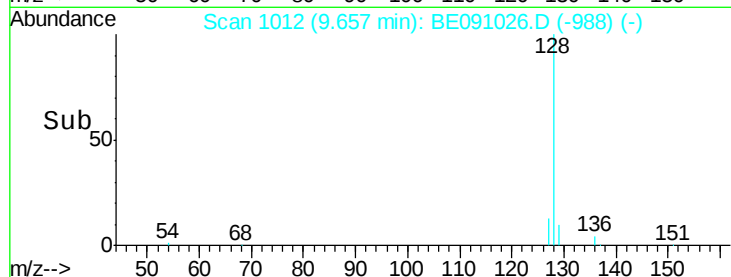
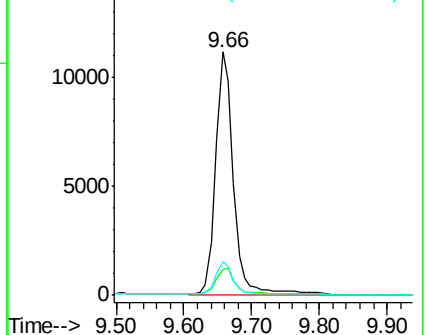
127 14.1 10.7 16.1



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



#5

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 11.19 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BE091026.D

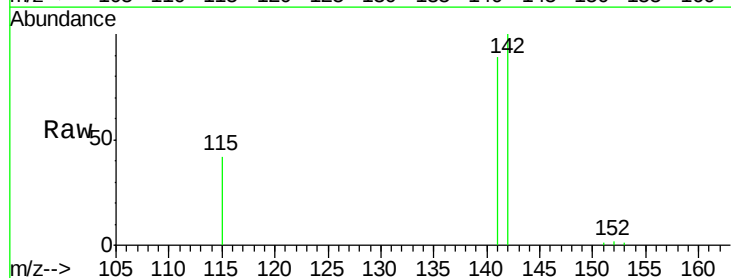
Acq: 19 Oct 2015 18:28

Tgt Ion:142 Resp: 12665

Ion Ratio Lower Upper

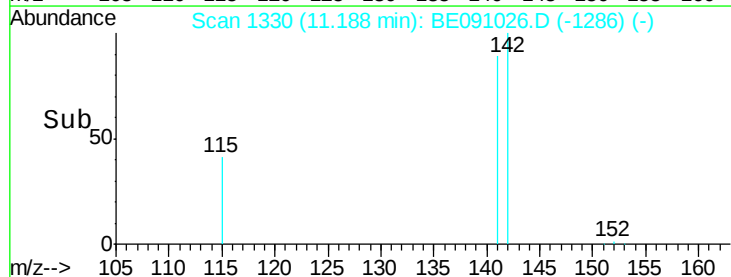
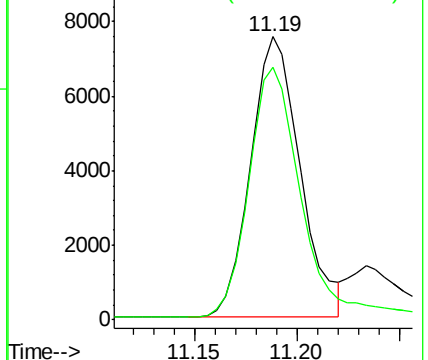
142 100

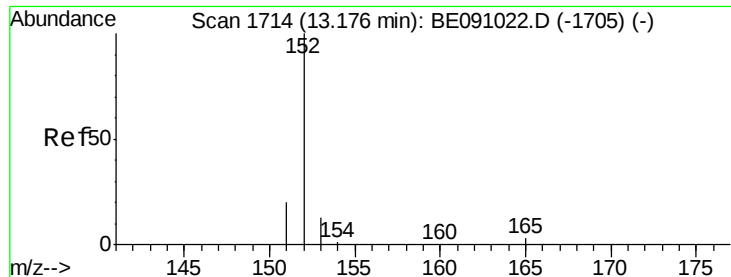
141 96.3 79.4 119.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 13.18 min Scan# 1714

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

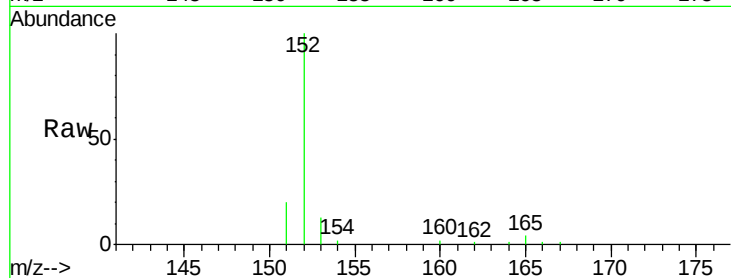
Tot Ion:152 Resp: 21087

Ion Ratio Lower Upper

152 100

151 20.3 16.6 24.8

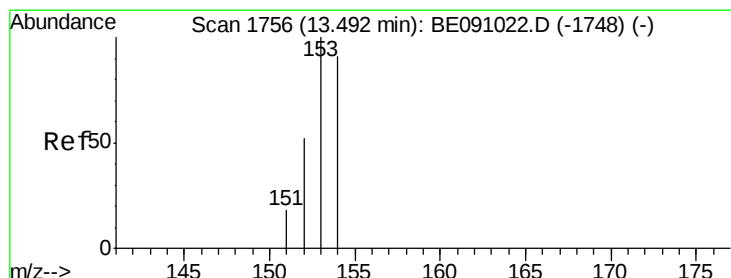
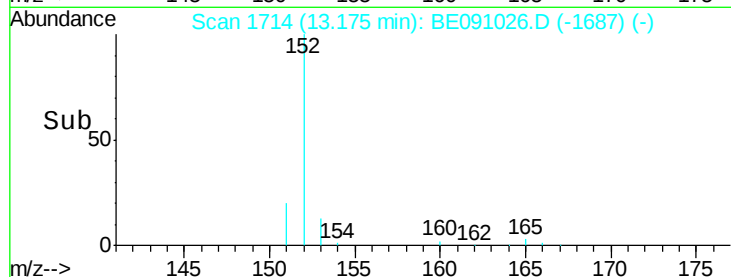
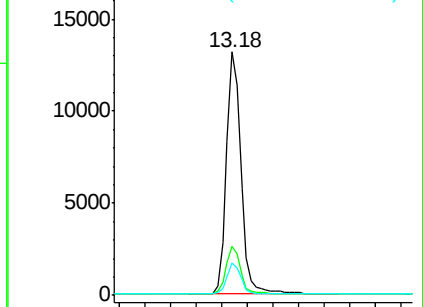
153 13.2 10.7 16.1



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: 0.38 ng/ul

RT: 13.49 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

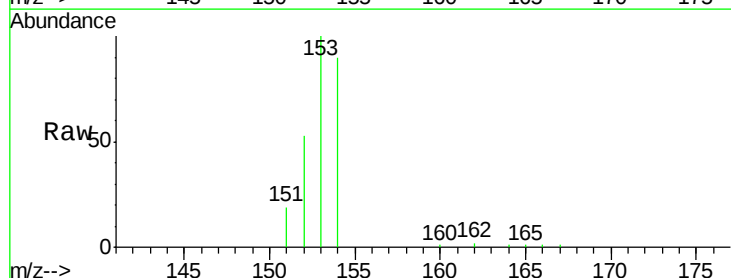
Tgt Ion:153 Resp: 14580

Ion Ratio Lower Upper

153 100

152 52.9 39.8 59.8

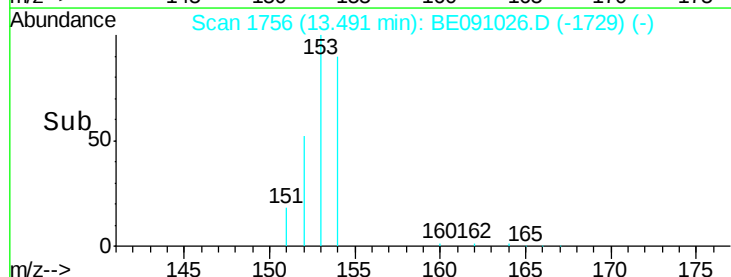
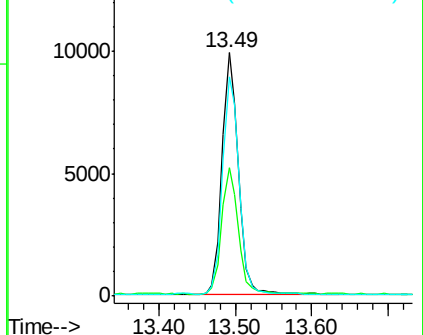
154 90.2 75.4 113.2

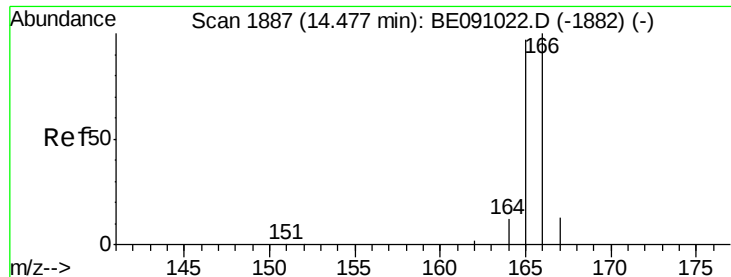


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.39 ng/ul

RT: 14.48 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

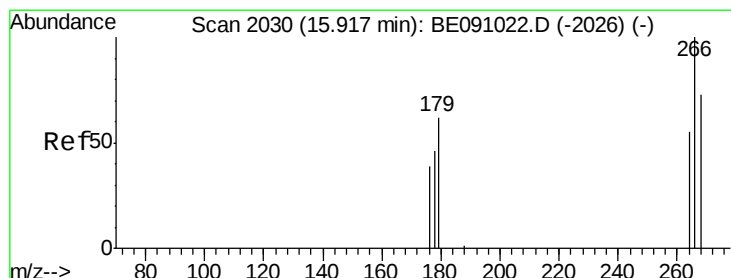
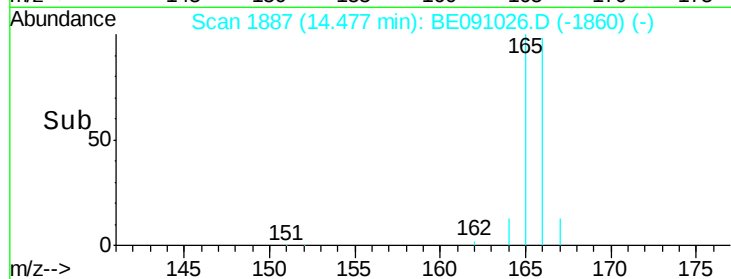
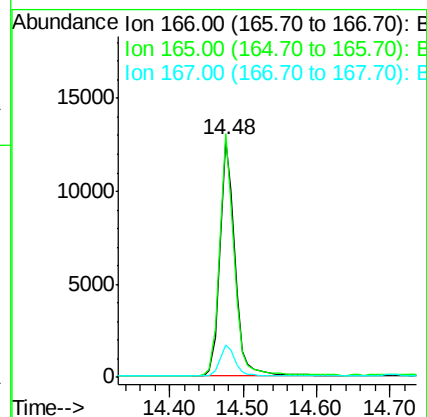
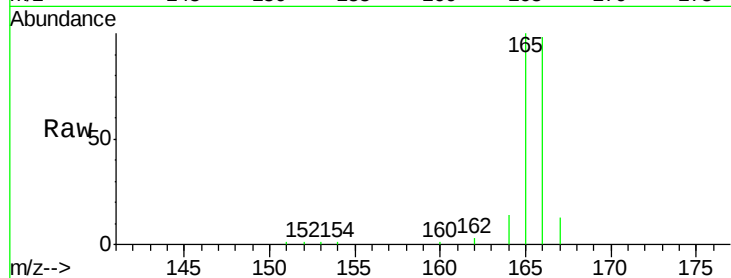
Tot Ion:166 Resp: 18355

Ion Ratio Lower Upper

166 100

165 102.4 77.7 116.5

167 13.4 10.9 16.3



#11

Pentachlorophenol

Concen: 0.18 ng/ul

RT: 15.91 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

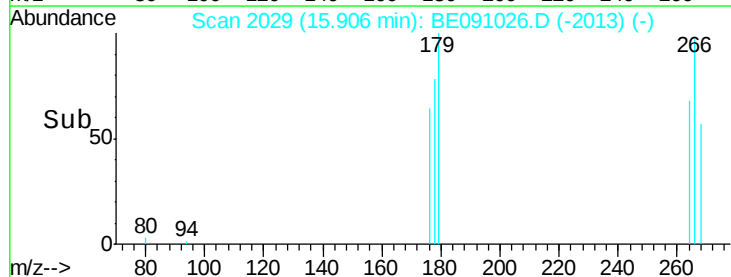
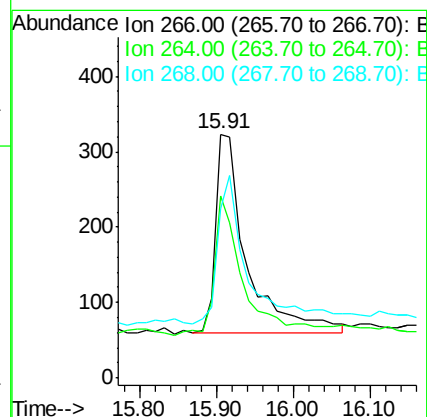
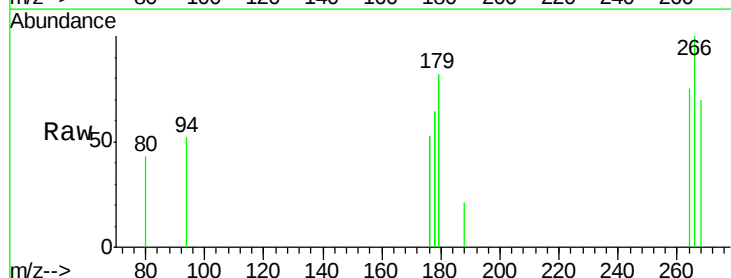
Tgt Ion:266 Resp: 753

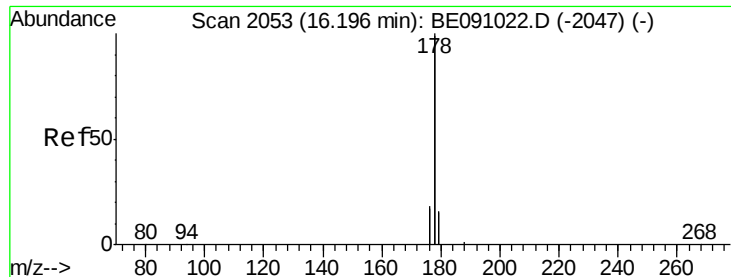
Ion Ratio Lower Upper

266 100

264 65.6 50.7 76.1

268 72.5 57.6 86.4





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 16.20 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

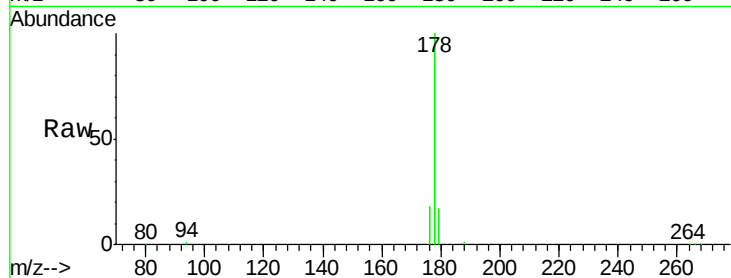
Tot Ion:178 Resp: 128216

Ion Ratio Lower Upper

178 100

176 18.0 16.9 25.3

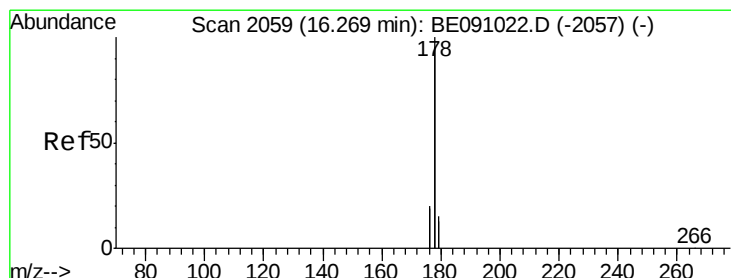
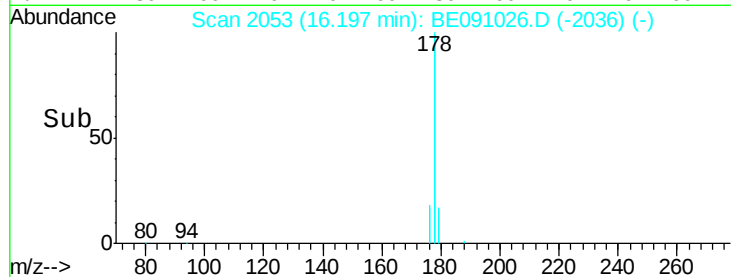
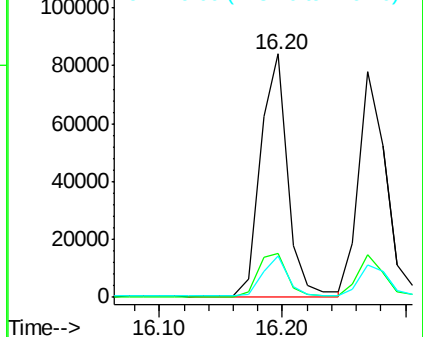
179 17.0 12.0 18.0



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



#13

Anthracene

Concen: 0.38 ng/ul

RT: 16.27 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

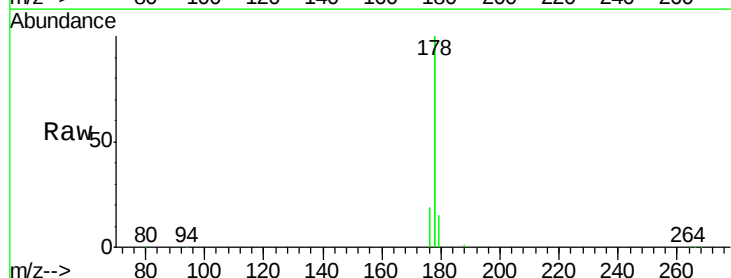
Tgt Ion:178 Resp: 121284

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

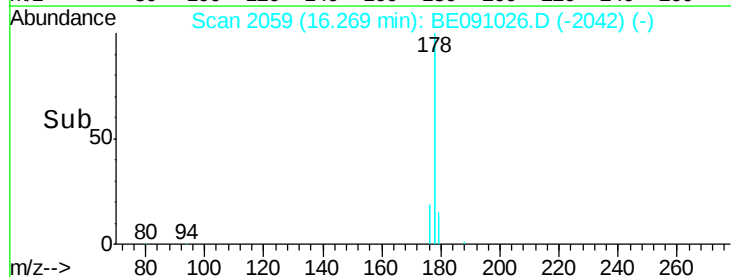
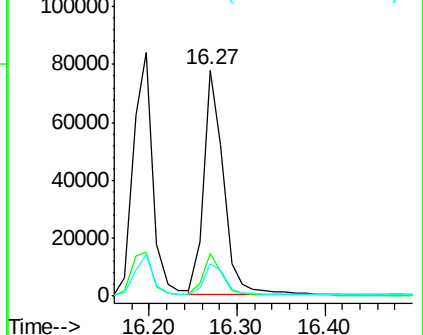
179 14.6 12.3 18.5

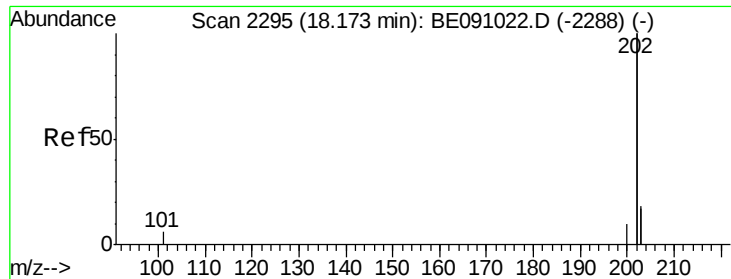


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

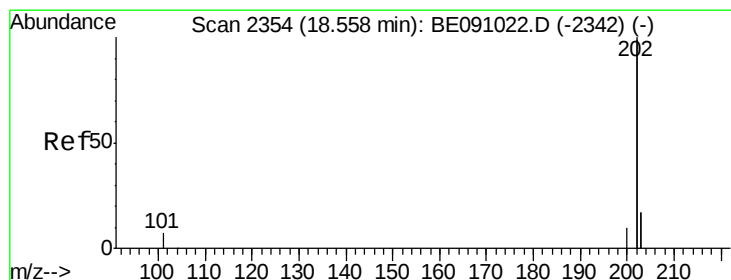
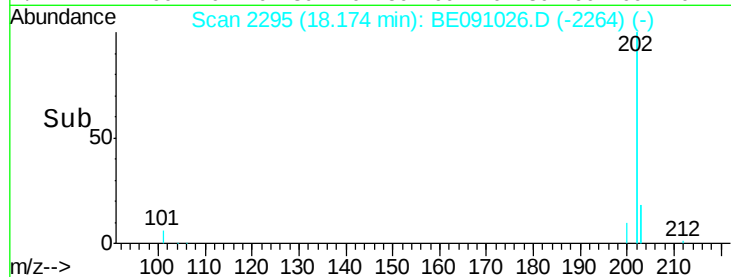
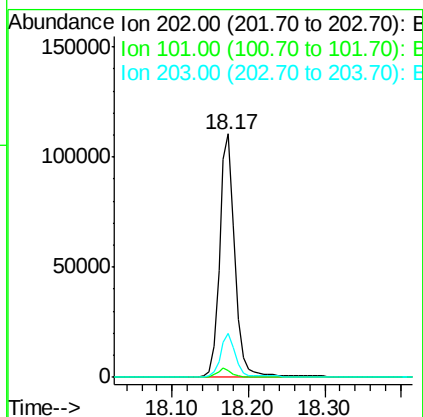
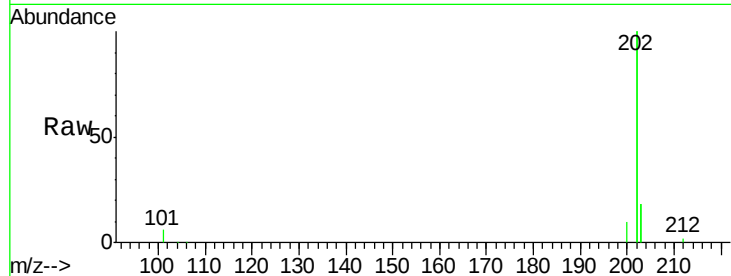




#15
Fluoranthene
Concen: 0.37 ng/ul
RT: 18.17 min Scan# 2295
Delta R.T. 0.00 min
Lab File: BE091026.D
Acq: 19 Oct 2015 18:28

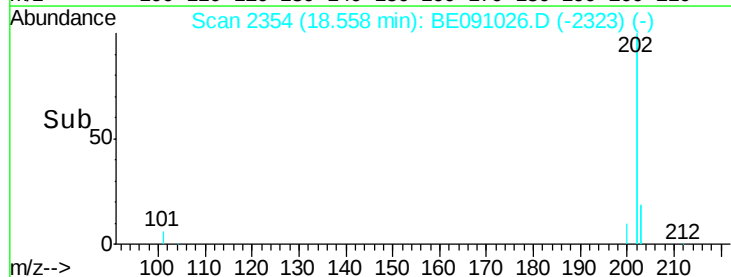
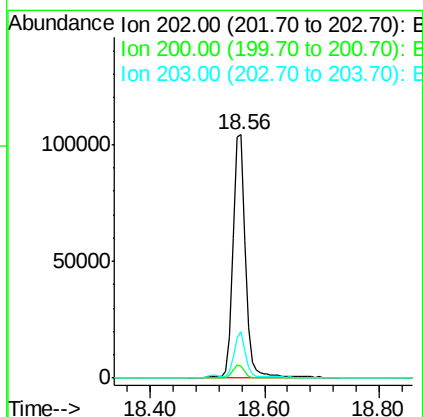
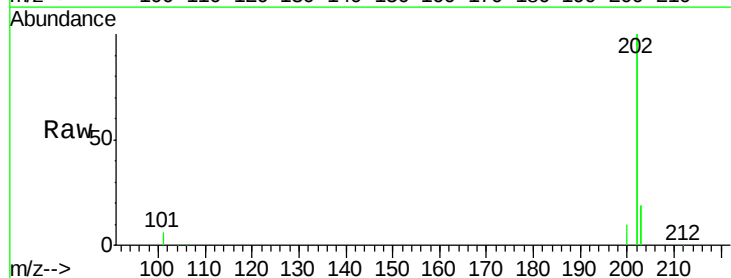
Instrument :
BNA_E
ClientSampleId :

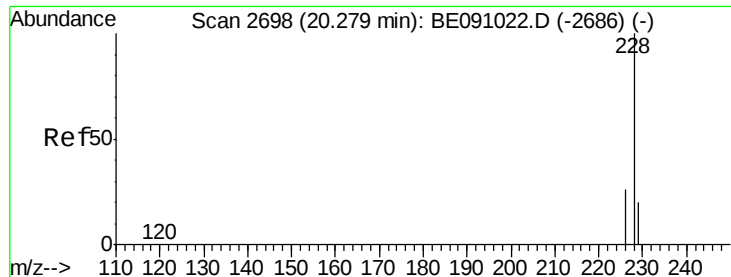
Tot Ion	Ratio	Lower	Upper
202	100		
101	3.0	0.0	23.7
203	18.2	0.0	37.5



#17
Pyrene
Concen: 0.39 ng/ul
RT: 18.56 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BE091026.D
Acq: 19 Oct 2015 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.0	4.3	6.5
203	19.0	13.9	20.9





#18

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 20.27 min Scan# 2697

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

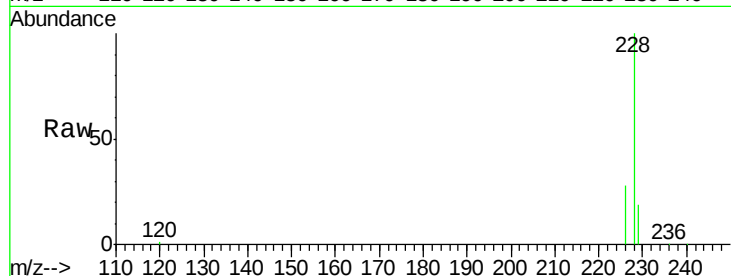
Tot Ion:228 Resp: 37008

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

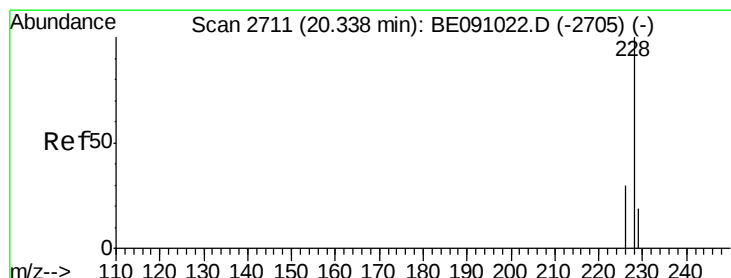
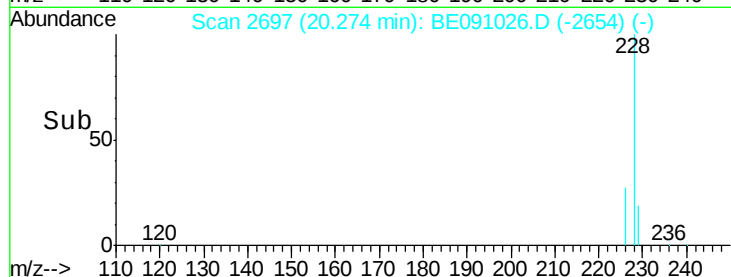
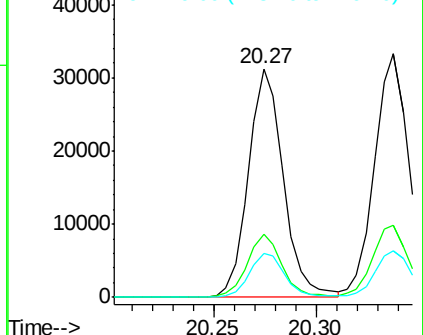
229 19.0 15.8 23.6



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: 0.38 ng/ul

RT: 20.34 min Scan# 2711

Delta R.T. 0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

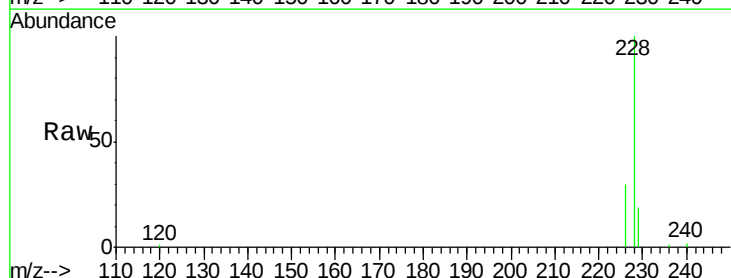
Tgt Ion:228 Resp: 40893

Ion Ratio Lower Upper

228 100

226 29.6 23.6 35.4

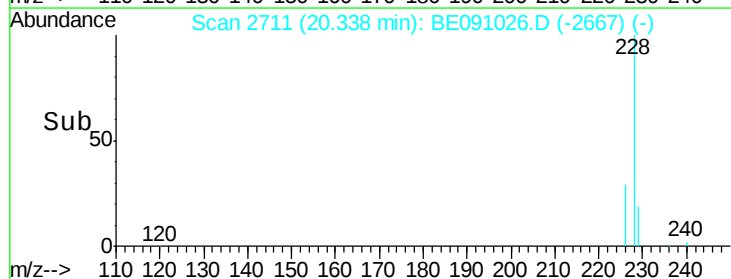
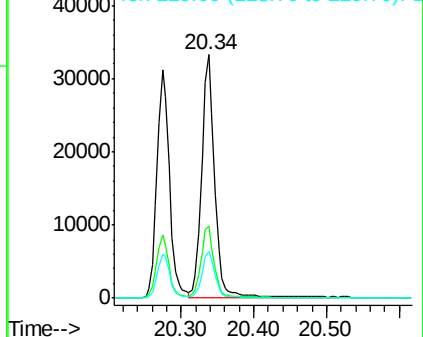
229 18.8 15.8 23.8

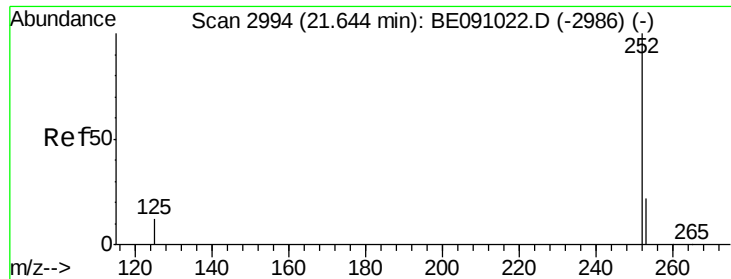


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 21.64 min Scan# 2994

Delta R.T. 0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

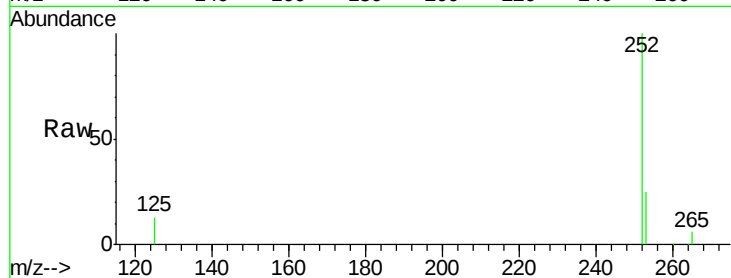
Tot Ion:252 Resp: 41616

Ion Ratio Lower Upper

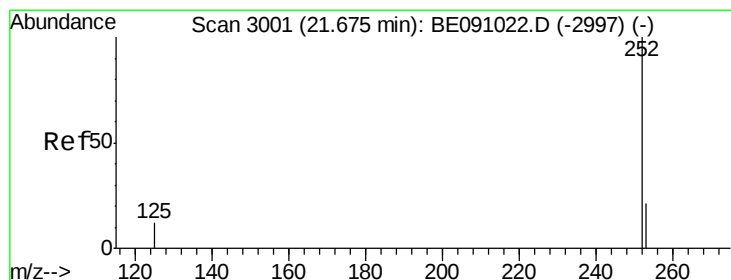
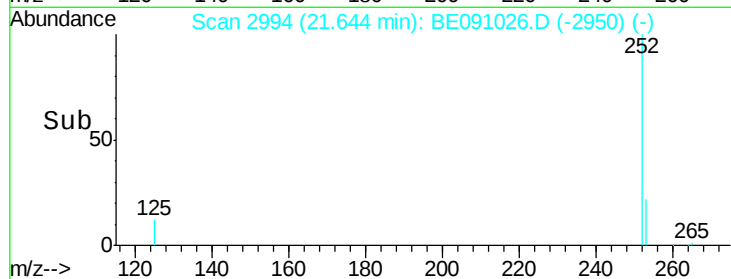
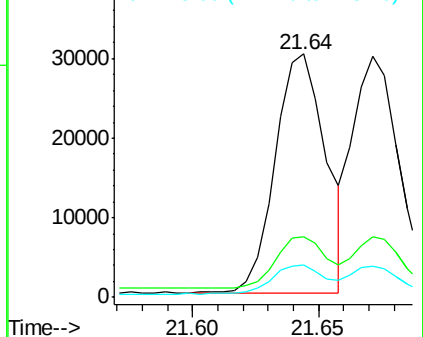
252 100

253 25.1 0.0 76.2

125 13.2 0.0 31.2



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



#22

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 21.67 min Scan# 3000

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

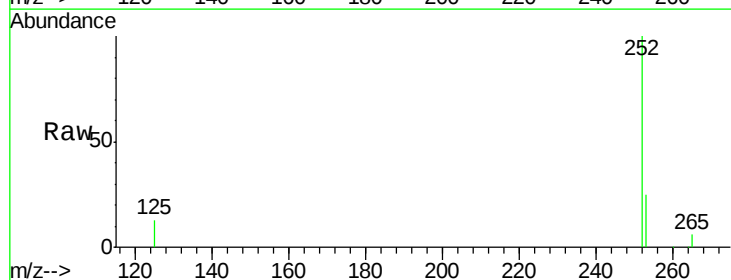
Tgt Ion:252 Resp: 39943

Ion Ratio Lower Upper

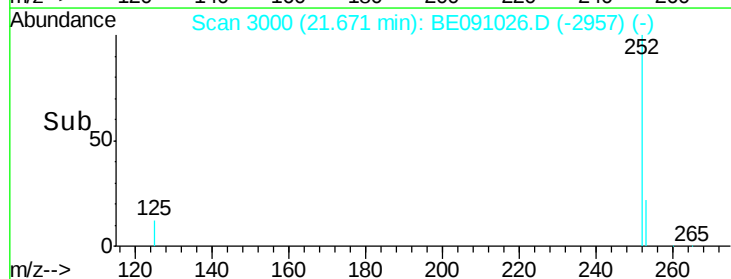
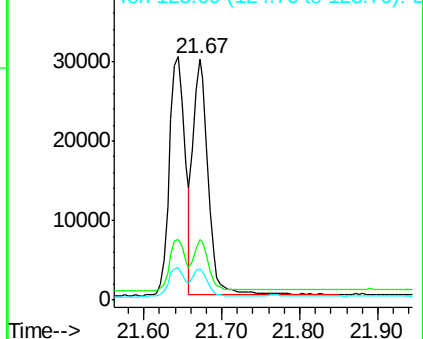
252 100

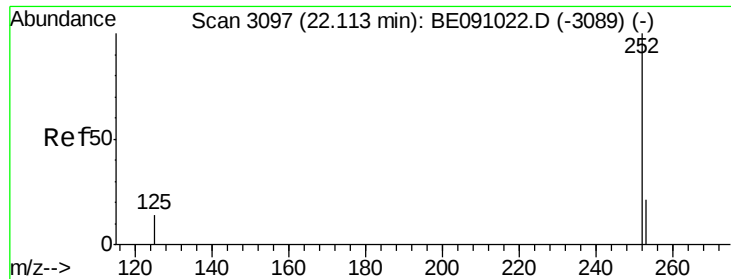
253 24.9 29.8 44.6#

125 13.0 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





#23

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 22.11 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

Instrument :

BNA_E

ClientSampleId :

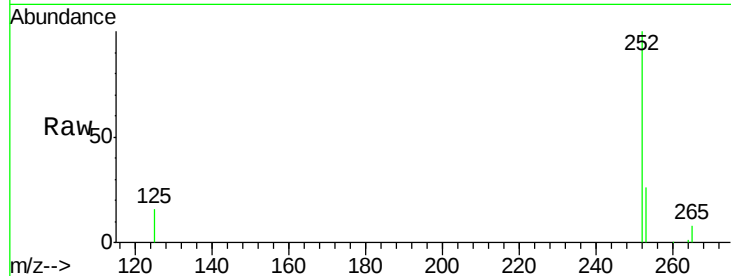
Tot Ion:252 Resp: 38391

Ion Ratio Lower Upper

252 100

253 26.4 34.0 51.0#

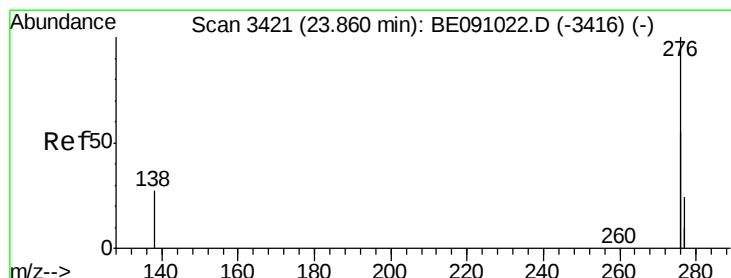
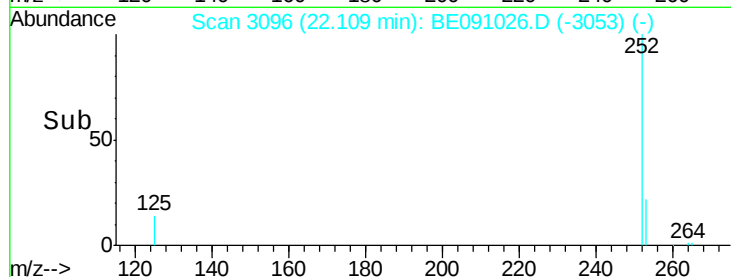
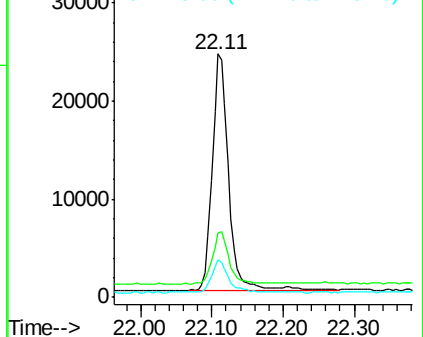
125 15.6 13.6 20.4



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: 0.39 ng/ul

RT: 23.86 min Scan# 3420

Delta R.T. -0.00 min

Lab File: BE091026.D

Acq: 19 Oct 2015 18:28

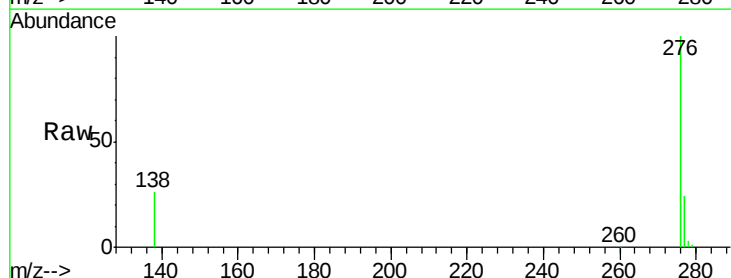
Tgt Ion:276 Resp: 156644

Ion Ratio Lower Upper

276 100

138 23.0 19.5 29.3

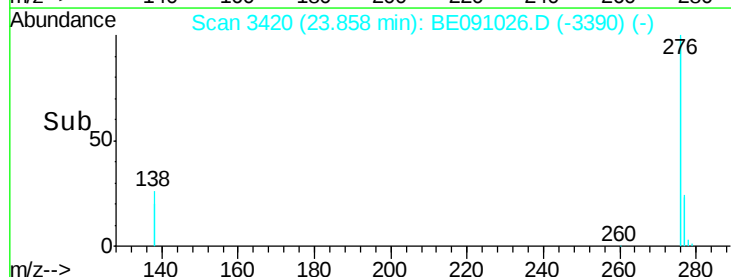
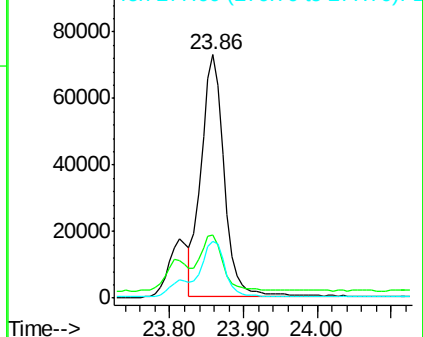
277 24.2 19.4 29.0

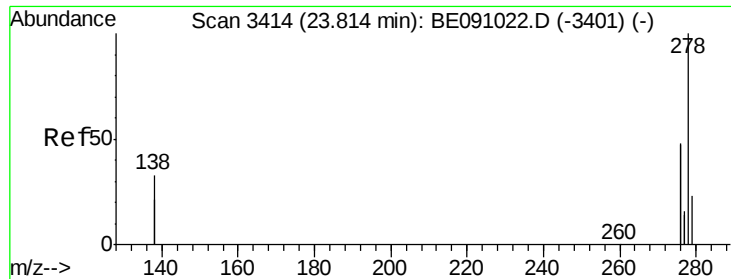


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



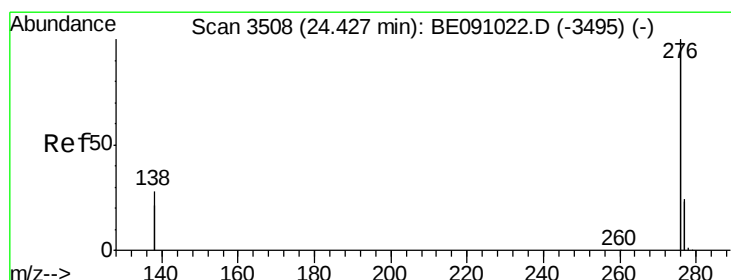
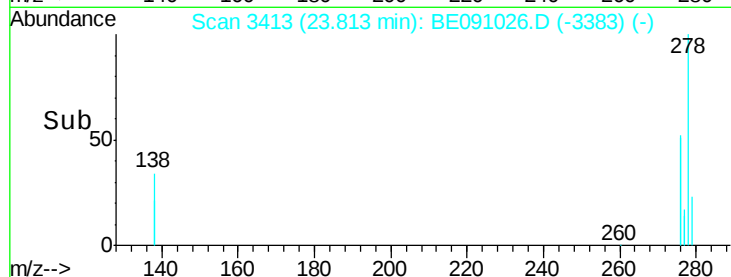
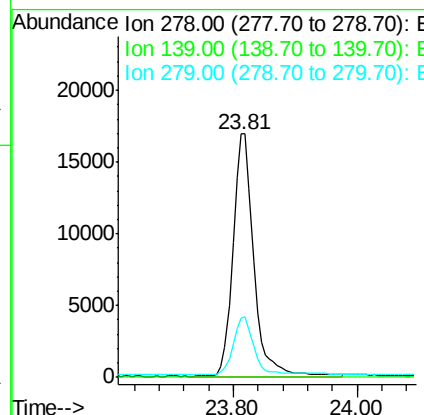
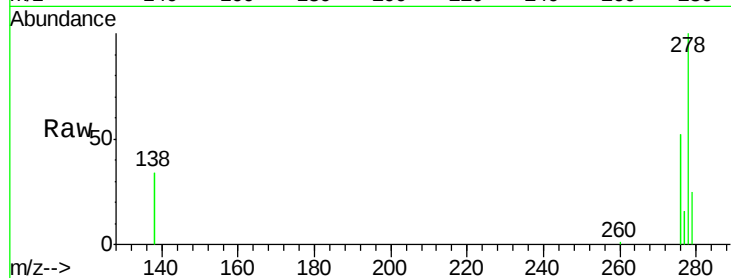


#25
Dibenzo(a,h)anthracene
Concen: 0.39 ng/ul
RT: 23.81 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BE091026.D
Acq: 19 Oct 2015 18:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 39293

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	24.6	22.1	33.1



#26
Benzo(g,h,i)perylene
Concen: 0.40 ng/ul
RT: 24.43 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BE091026.D
Acq: 19 Oct 2015 18:28

Tgt Ion:276 Resp: 167174

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	28.4	29.4	44.2#

