

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 :

Quant Time: Nov 13 17:20:10 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

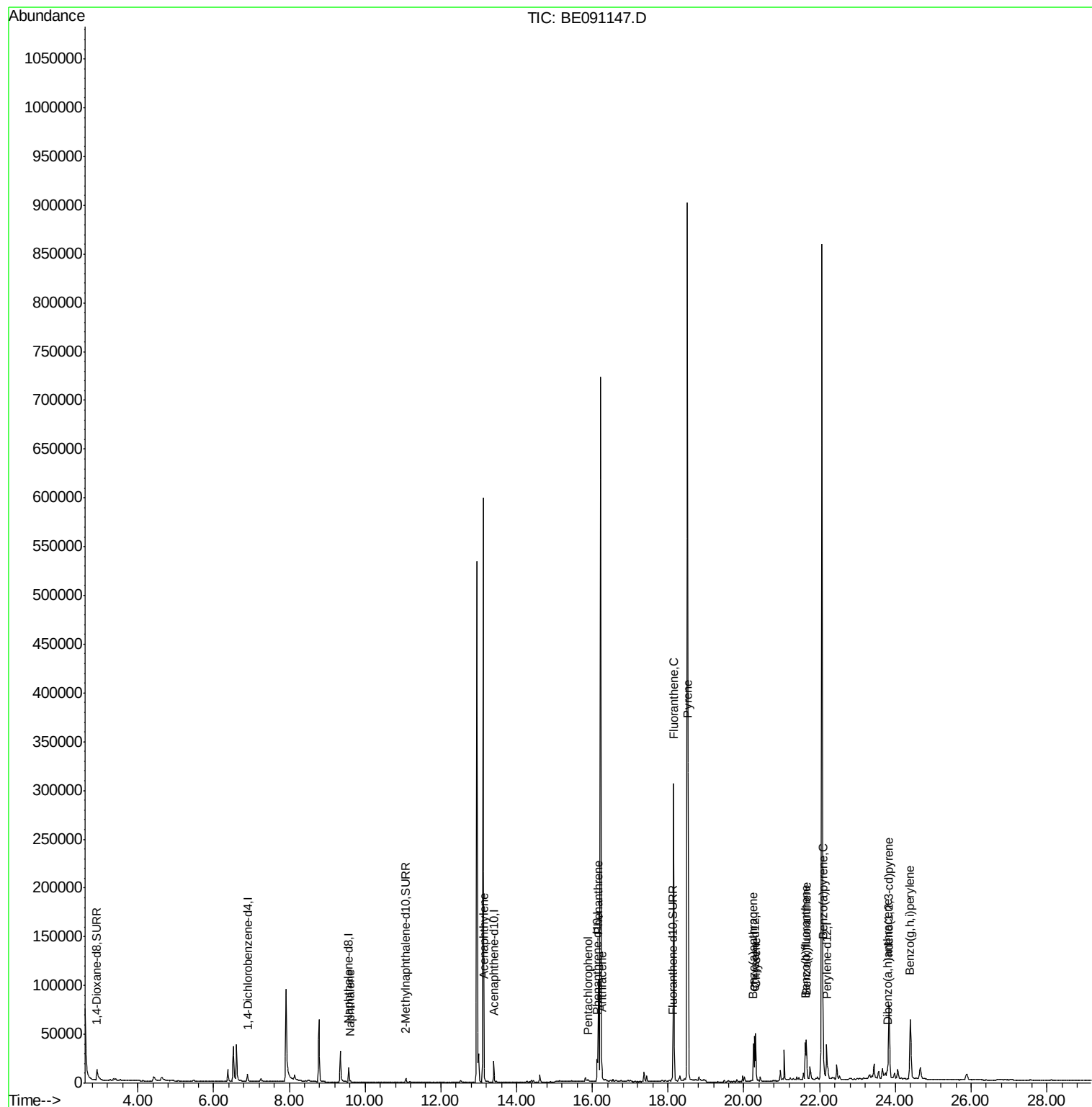
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	3128	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	17958	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11287	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.12	188	26893m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.28	240	36721	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	0.14	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.61	128	1543	0.03	ng/ul#	82
9) Acenaphthylene	13.14	152	2474	0.04	ng/ul#	88
13) Pentachlorophenol	15.88	266	1037	0.41	ng/ul	98
14) Phenanthrene	16.16	178	116711	0.38	ng/ul	98
15) Anthracene	16.25	178	21551m	0.08	ng/ul	
17) Fluoranthene	18.15	202	327738	0.90	ng/ul	90
19) Pyrene	18.53	202	304086	0.73	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	31781m	0.34	ng/ul	
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	21.65	252	34303m	0.26	ng/ul	
25) Benzo(a)pyrene	22.09	252	37179	0.32	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.83	276	106376m	0.22	ng/ul	
27) Dibenzo(a,h)anthracene	23.79	278	6302	0.05	ng/ul#	69
28) Benzo(a,h,i)perylene	24.39	276	99010	0.19	ng/ul	99

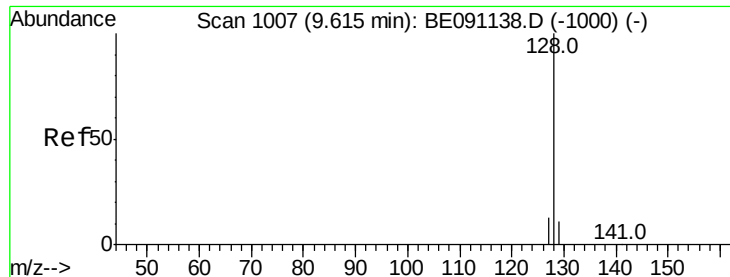
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

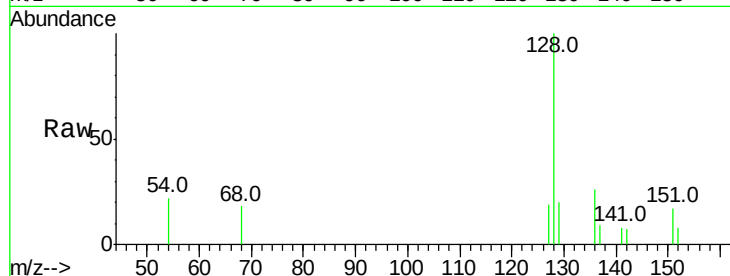
Tot Ion:128 Resp: 1543

Ion Ratio Lower Upper

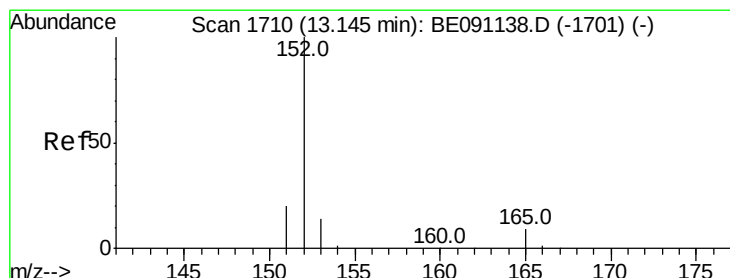
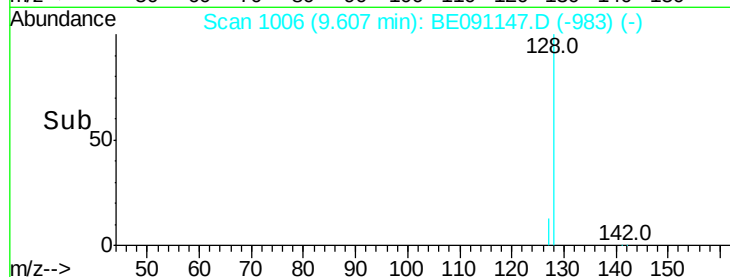
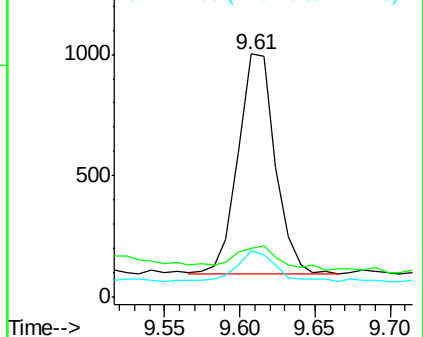
128 100

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

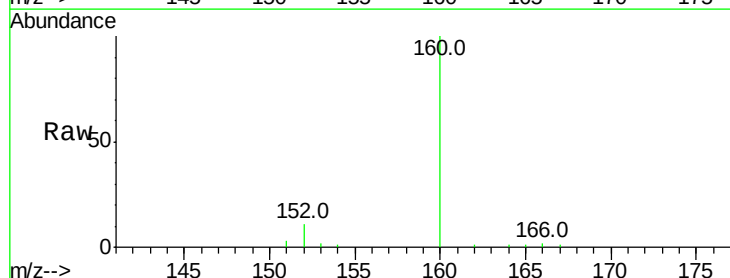
Tgt Ion:152 Resp: 2474

Ion Ratio Lower Upper

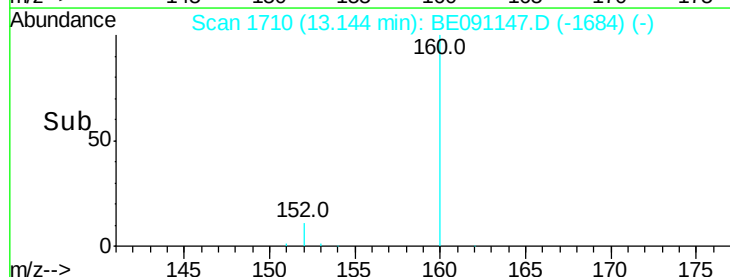
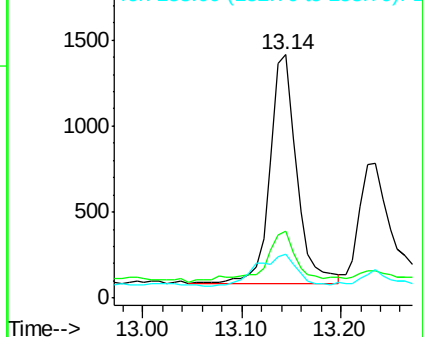
152 100

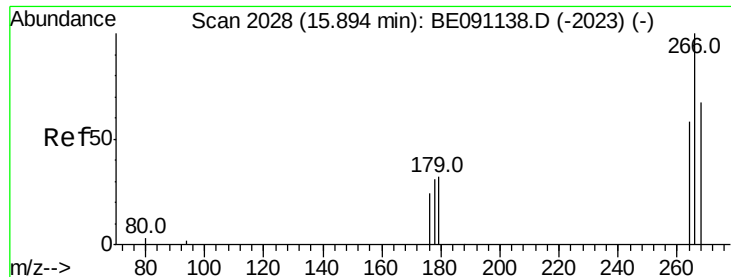
151 27.4 16.8 25.2#

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

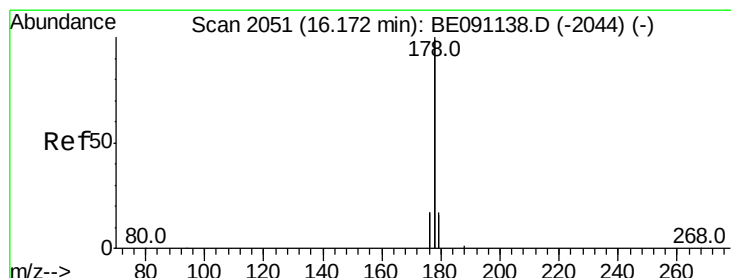
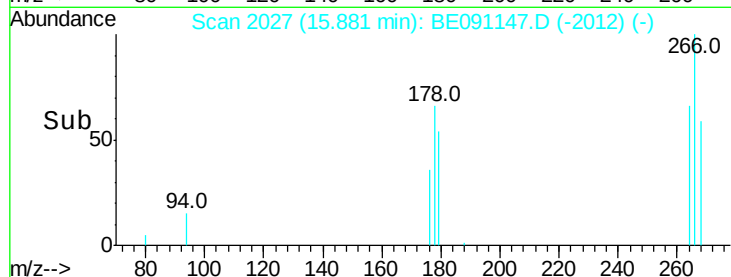
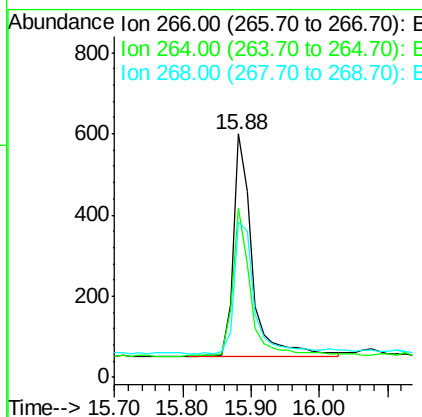
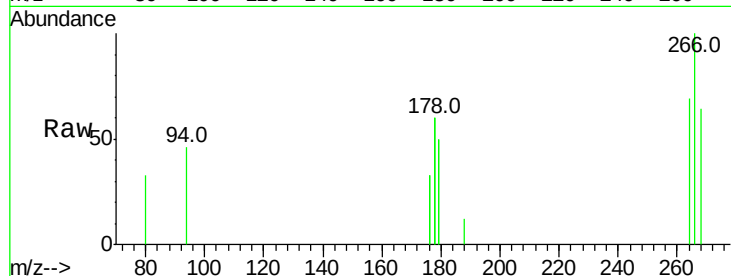




#13
 Pentachlorophenol
 Concen: 0.41 ng/ul
 RT: 15.88 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BE091147.D
 Acq: 12 Nov 2015 16:28

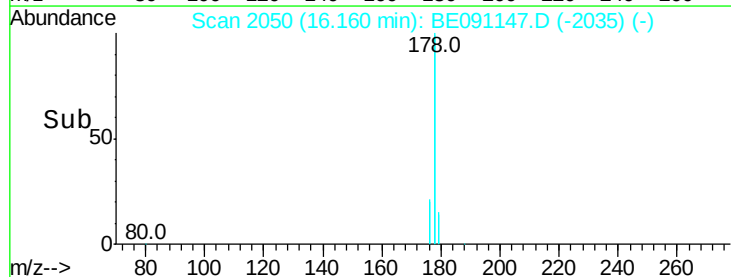
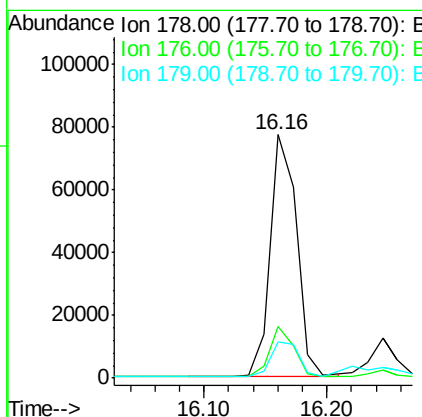
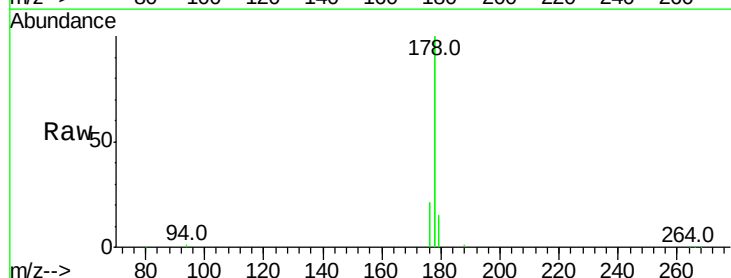
Instrument :
 BNA_E
 ClientSampleId :

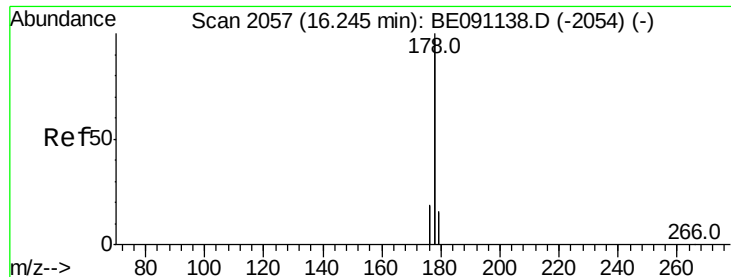
Tot Ion:266 Resp: 1037
 Ion Ratio Lower Upper
 266 100
 264 64.3 53.5 80.3
 268 68.6 54.2 81.2



#14
 Phenanthrene
 Concen: 0.38 ng/ul
 RT: 16.16 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BE091147.D
 Acq: 12 Nov 2015 16:28

Tgt Ion:178 Resp: 116711
 Ion Ratio Lower Upper
 178 100
 176 21.2 16.2 24.4
 179 14.9 12.8 19.2





#15

Anthracene

Concen: 0.08 ng/ul m

RT: 16.25 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

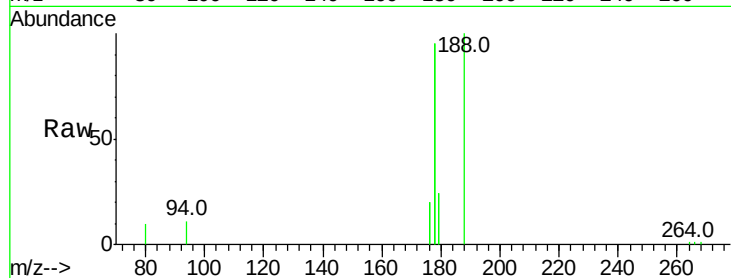
Tot Ion:178 Resp: 21551

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

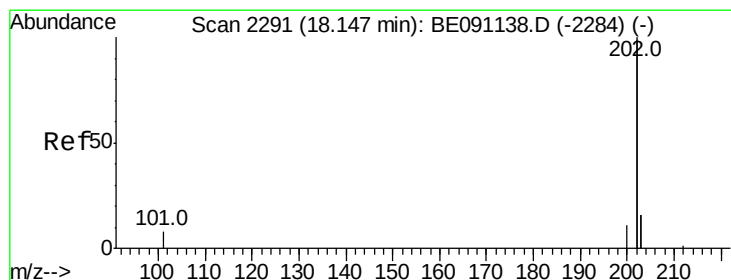
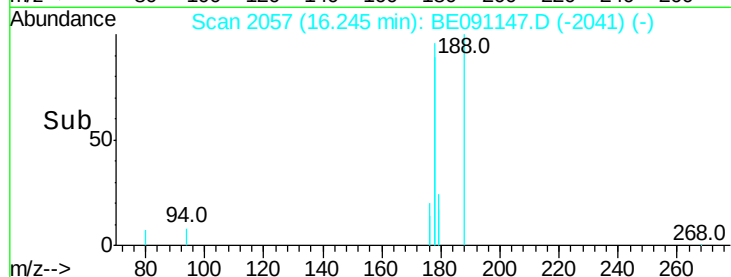
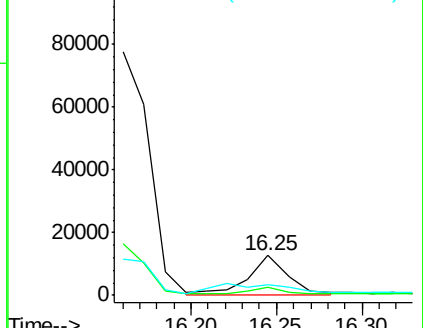
179 25.3 13.3 19.9#



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



#17

Fluoranthene

Concen: 0.90 ng/ul

RT: 18.15 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

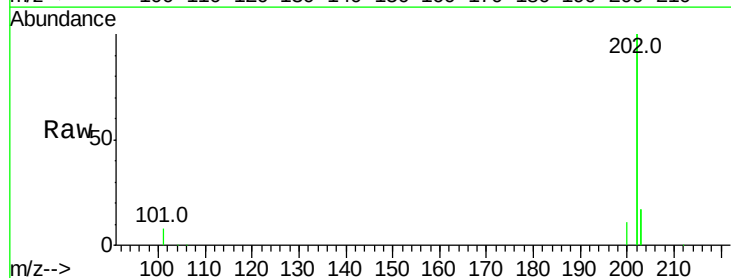
Tgt Ion:202 Resp: 327738

Ion Ratio Lower Upper

202 100

101 3.8 0.0 33.1

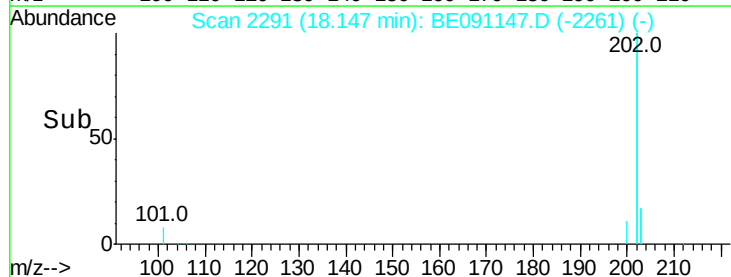
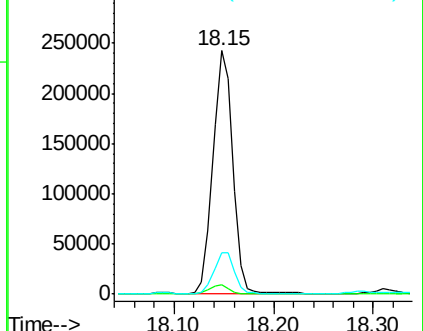
203 17.1 0.0 37.2

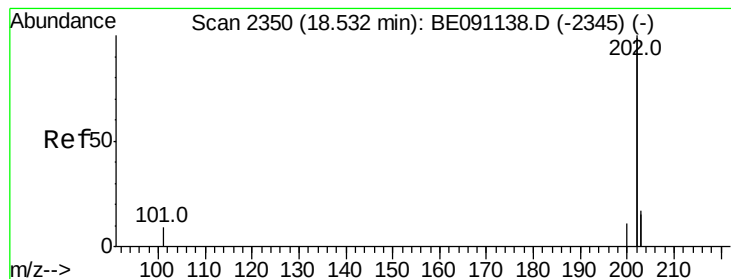


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

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 :

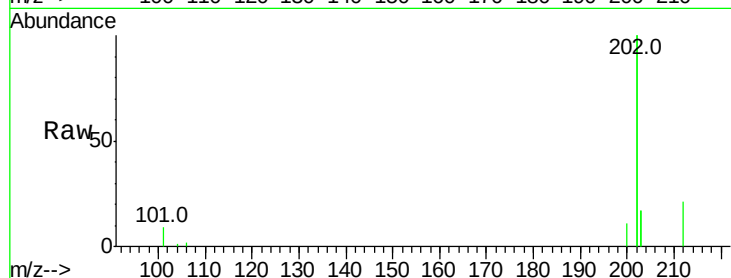
Tot Ion:202 Resp: 304086

Ion Ratio Lower Upper

202 100

200 5.4 18.0 27.0#

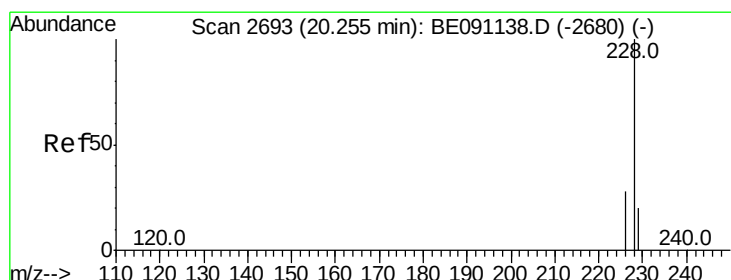
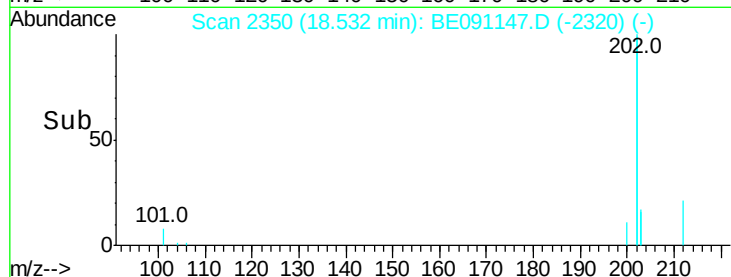
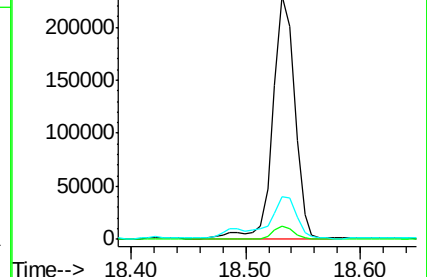
203 17.4 13.8 20.6



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: 0.34 ng/ul m

RT: 20.26 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

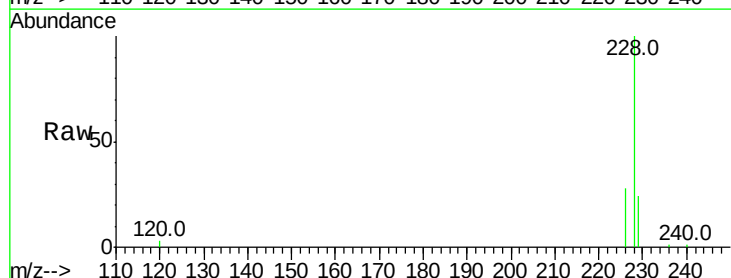
Tgt Ion:228 Resp: 31781

Ion Ratio Lower Upper

228 100

226 28.0 23.0 34.4

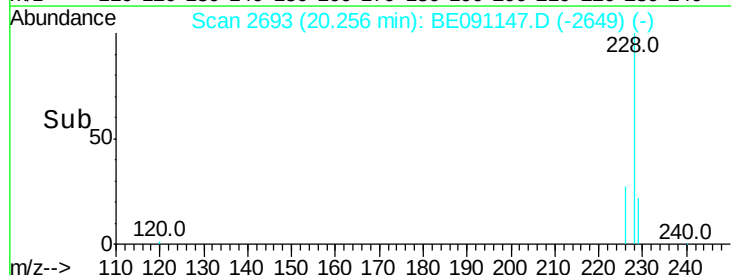
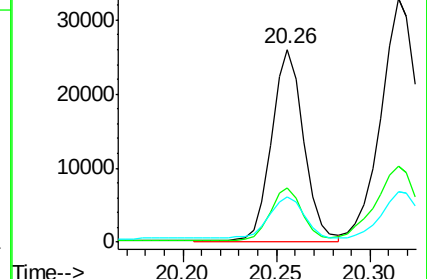
229 23.5 15.2 22.8#

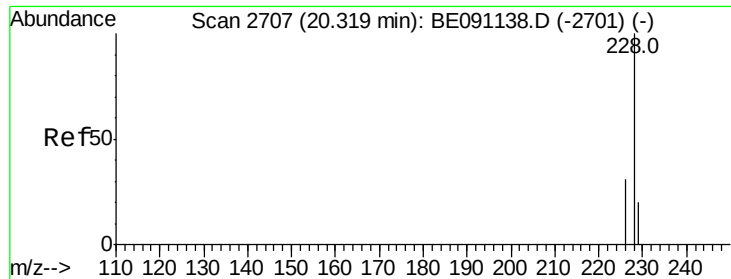


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

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 :

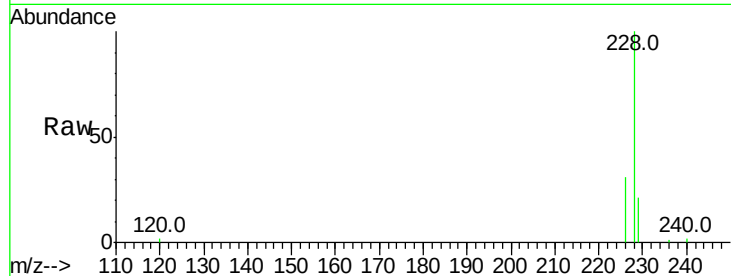
Tot Ion:228 Resp: 45059

Ion Ratio Lower Upper

228 100

226 31.0 25.7 38.5

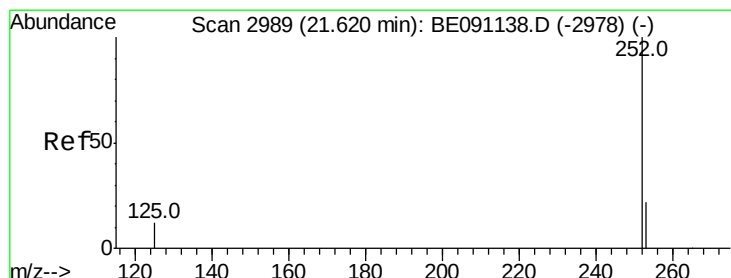
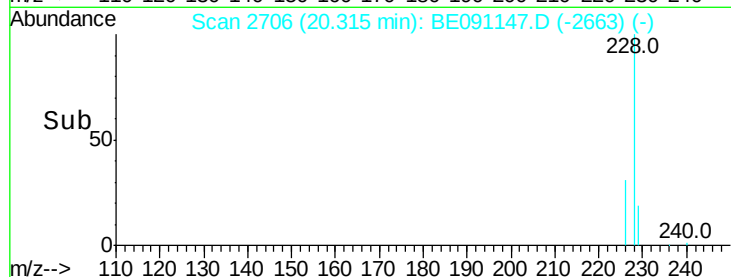
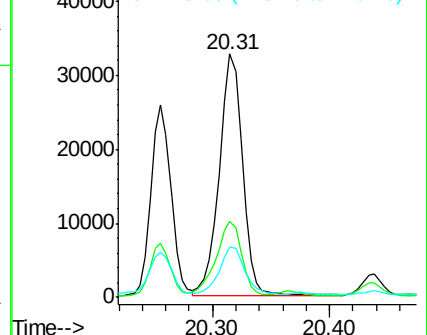
229 20.7 15.2 22.8



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/ul

RT: 21.62 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

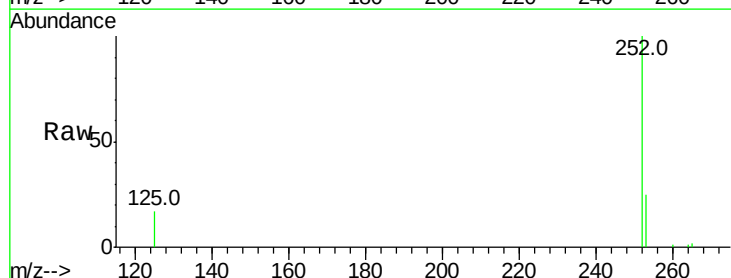
Tgt Ion:252 Resp: 41804

Ion Ratio Lower Upper

252 100

253 24.8 0.0 48.0

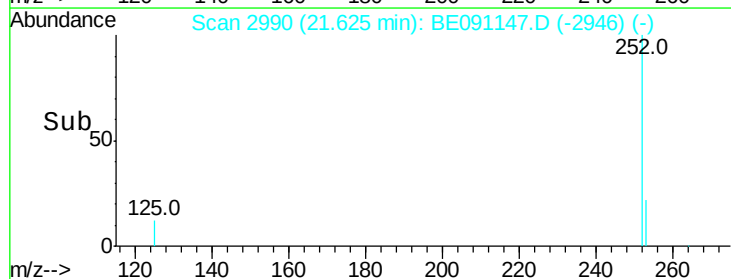
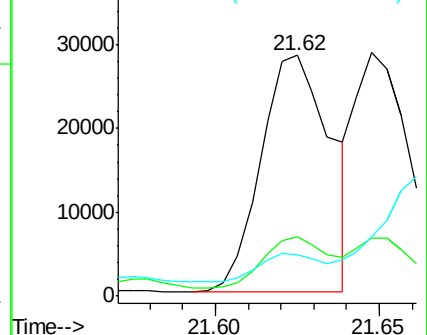
125 17.3 0.0 36.6

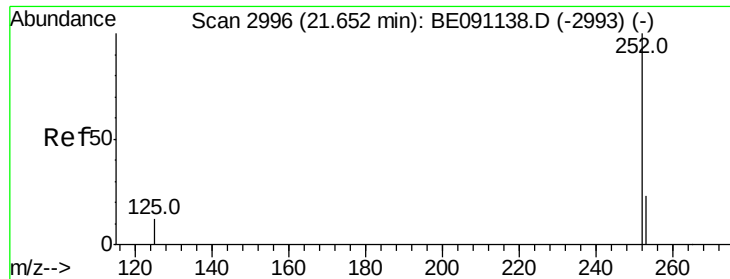


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.26 ng/ul m

RT: 21.65 min Scan# 2995

Delta R.T. -0.00 min

Lab File: BE091147.D

Acq: 12 Nov 2015 16:28

Instrument :

BNA_E

ClientSampleId :

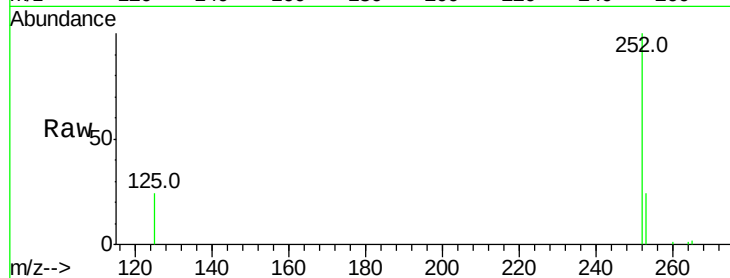
Tot Ion:252 Resp: 34303

Ion Ratio Lower Upper

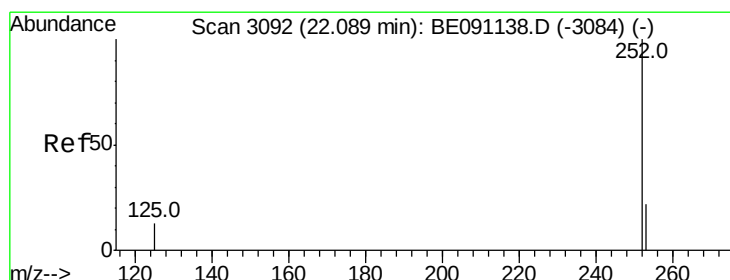
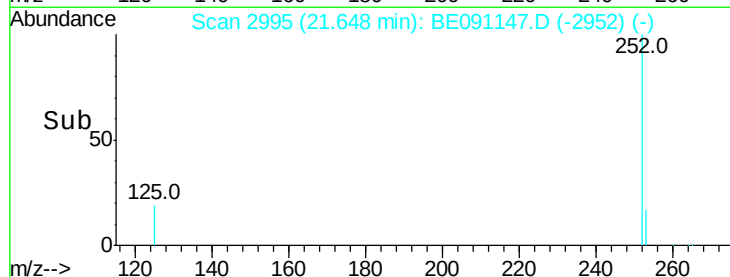
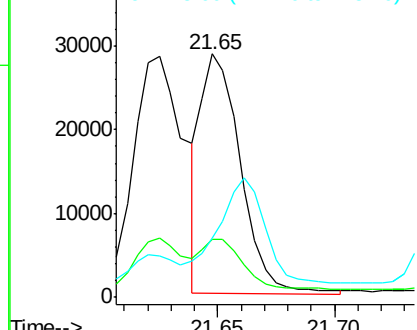
252 100

253 24.1 20.8 31.2

125 24.3 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

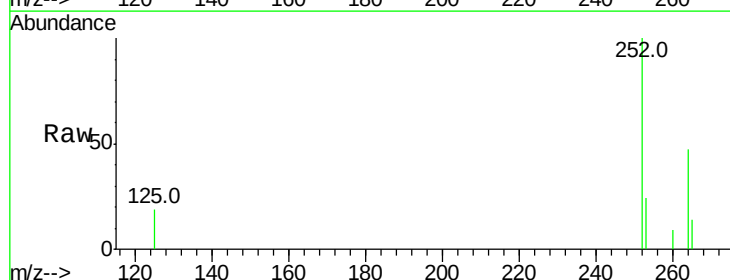
Tgt Ion:252 Resp: 37179

Ion Ratio Lower Upper

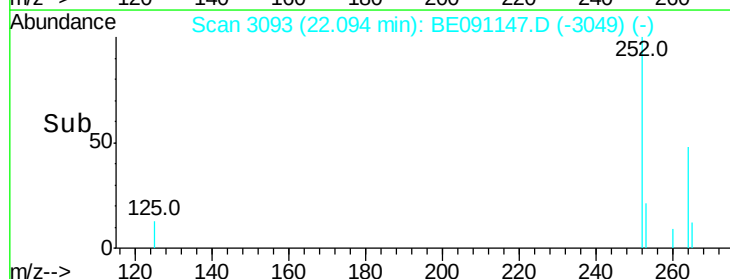
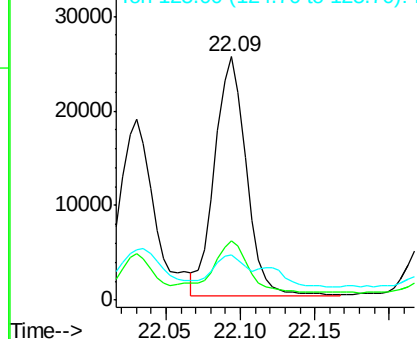
252 100

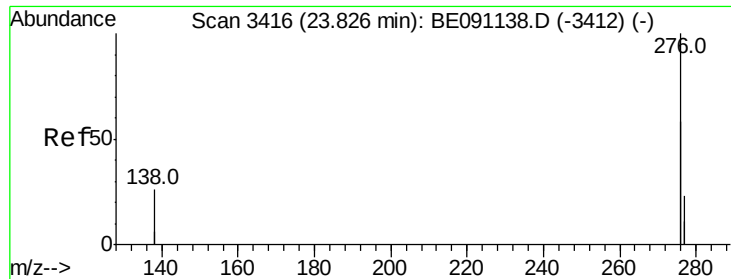
253 24.4 21.8 32.8

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



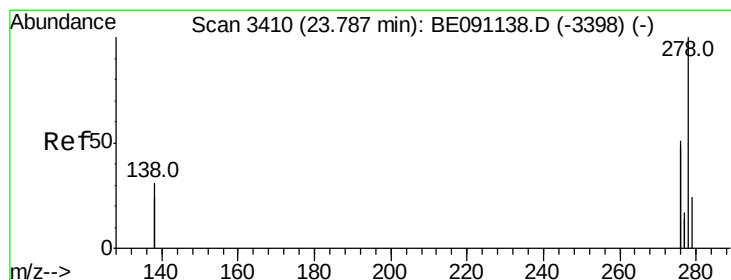
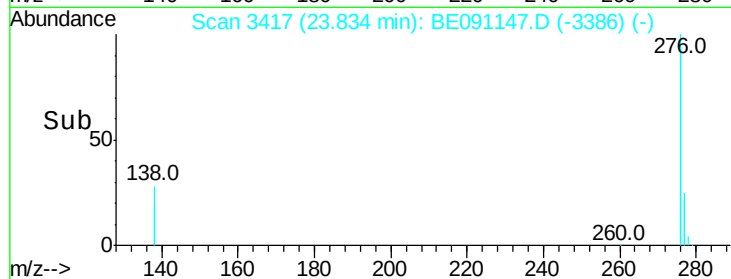
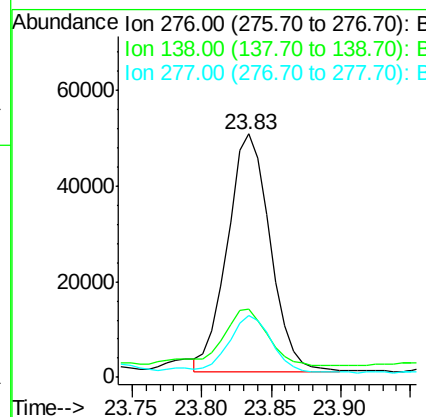
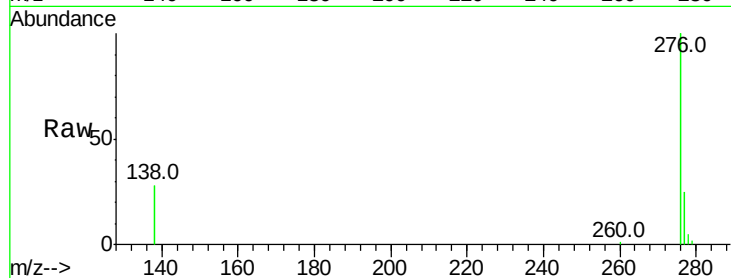


#26

Indeno(1,2,3-cd)pyrene
Concen: 0.22 ng/ul m
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 :

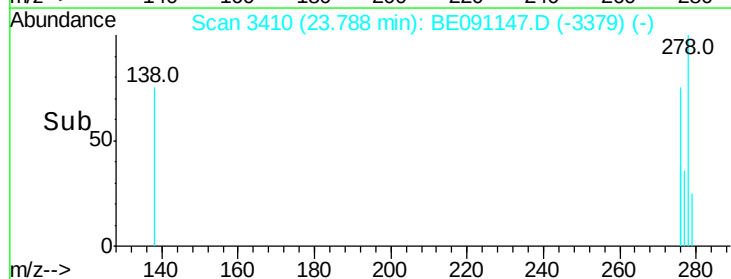
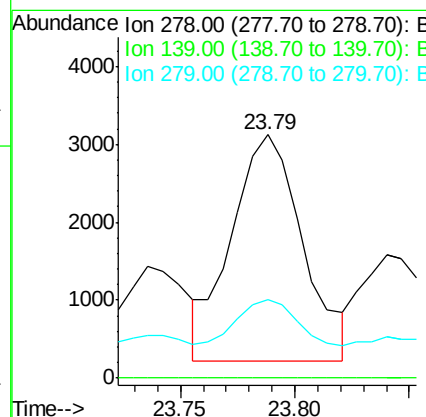
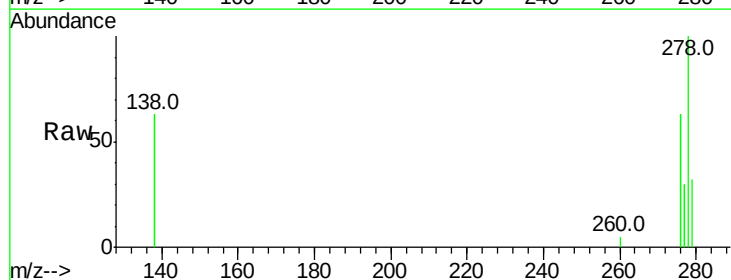
Tot Ion:276 Resp: 106376
Ion Ratio Lower Upper
276 100
138 26.7 27.5 41.3#
277 25.0 19.3 28.9

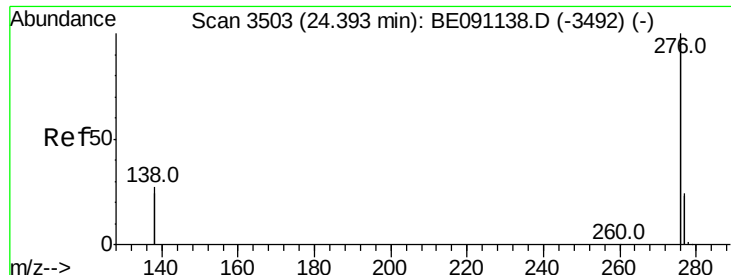


#27

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





#28

Benzo(a,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 :

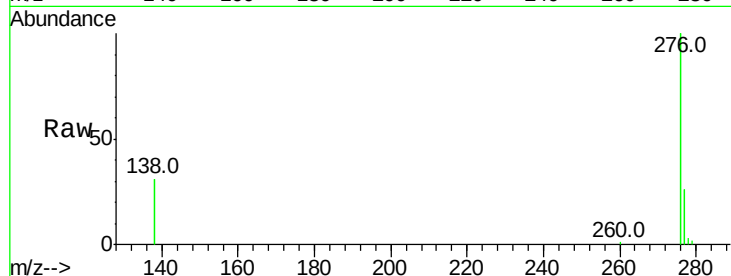
Tot Ion:276 Resp: 99010

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

