

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112817\
 Data File : BE094881.D
 Acq On : 28 Nov 2017 13:24
 Operator : SJ/JU
 Sample : I6514-03DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC3DL

Quant Time: Nov 29 01:13:28 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 29 01:10:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	621	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.69	136	4333	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.50	164	2788	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.24	188	6777	0.40	ng/ul	-0.02
16) Chrysene-d12	21.43	240	6653	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	6924	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	454	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	1384	0.06	ng/ul	-0.01

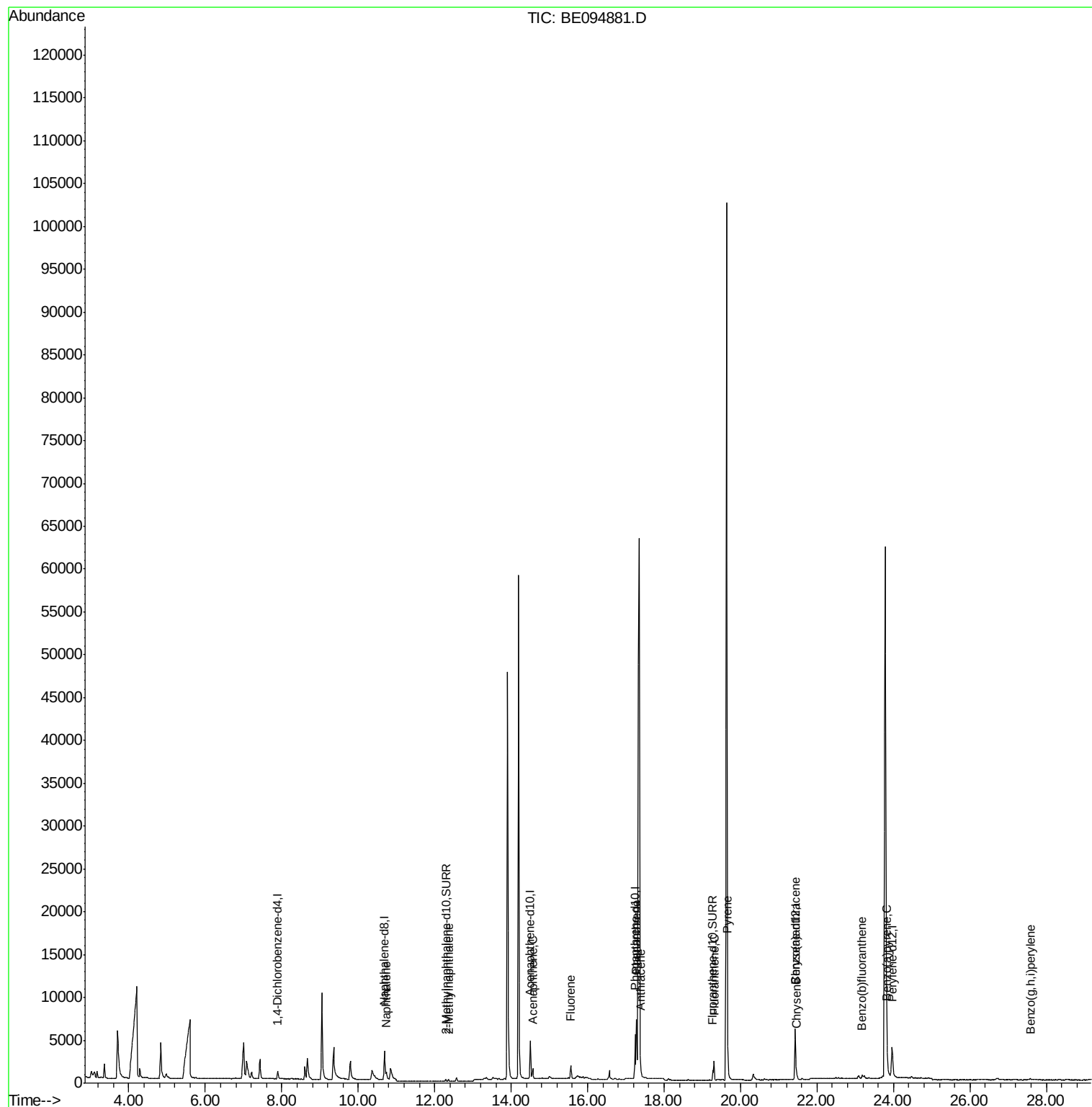
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	900	0.087	ng/ul#	83
5) 2-Methylnaphthalene	12.36	142	287	0.040	ng/ul	96
8) Acenaphthene	14.57	153	830	0.092	ng/ul	97
9) Fluorene	15.56	166	1196	0.110	ng/ul	93
12) Phenanthrene	17.27	178	7817	0.429	ng/ul#	89
13) Anthracene	17.38	178	1137	0.061	ng/ul#	88
15) Fluoranthene	19.30	202	2746	0.115	ng/ul	85
17) Pyrene	19.66	202	2748	0.132	ng/ul#	87
18) Benzo(a)anthracene	21.42	228	649	0.032	ng/ul#	76
19) Chrysene	21.47	228	659	0.033	ng/ul#	79
21) Benzo(b)fluoranthene	23.18	252	550	0.027	ng/ul#	63
23) Benzo(a)pyrene	23.84	252	436	0.021	ng/ul#	46
26) Benzo(g,h,i)perylene	27.59	276	378	0.020	ng/ul#	38

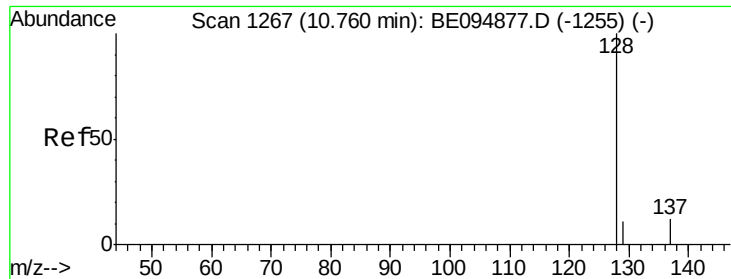
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.087 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

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BNA_E

ClientSampleId :

C0AC3DL

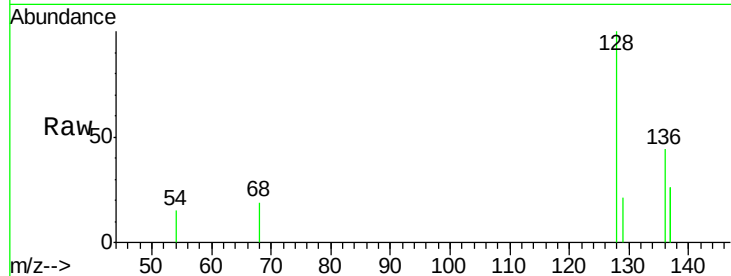
Tgt Ion:128 Resp: 900

Ion Ratio Lower Upper

128 100

129 21.3 11.3 16.9#

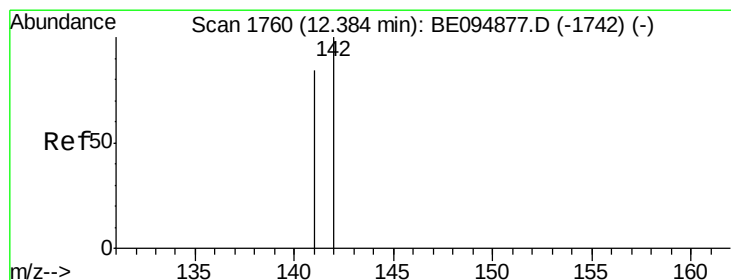
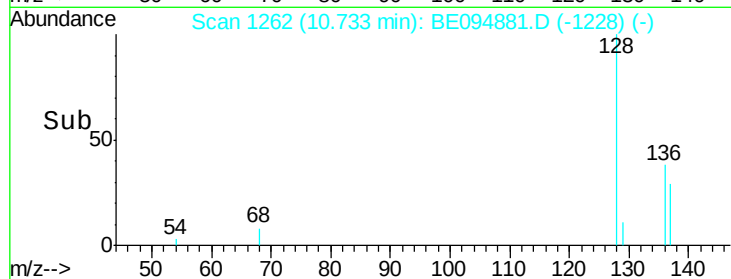
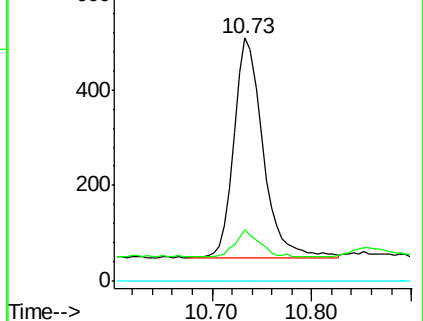
127 0.0 4.0 6.0#



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: 0.040 ng/ul

RT: 12.36 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BE094881.D

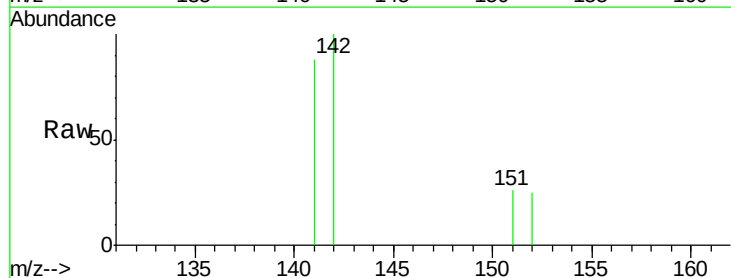
Acq: 28 Nov 2017 13:24

Tgt Ion:142 Resp: 287

Ion Ratio Lower Upper

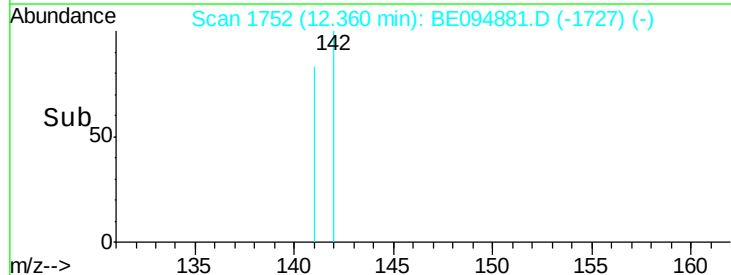
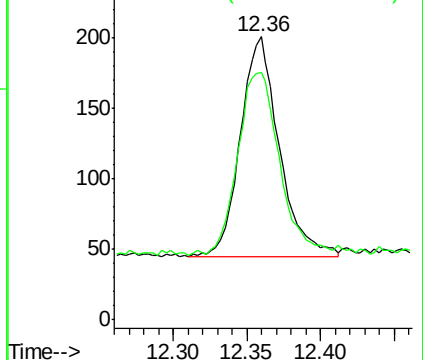
142 100

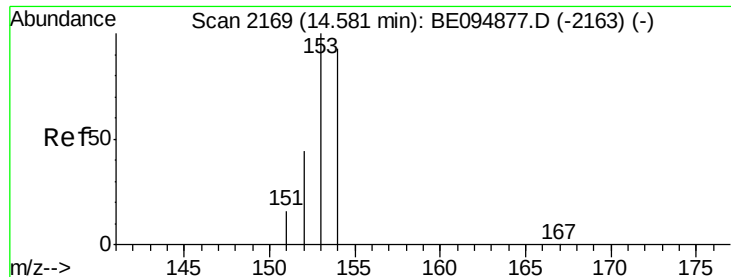
141 87.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.092 ng/ul

RT: 14.57 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

C0AC3DL

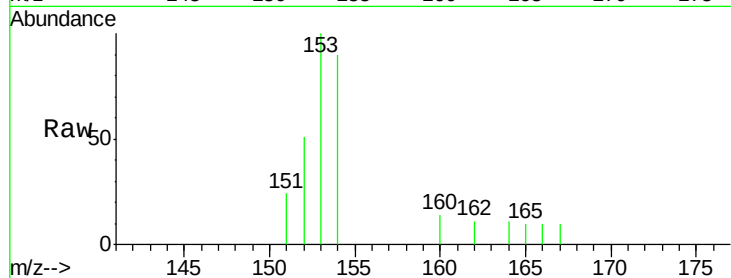
Tgt Ion:153 Resp: 830

Ion Ratio Lower Upper

153 100

152 50.6 36.0 54.0

154 90.2 72.0 108.0



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

14.57

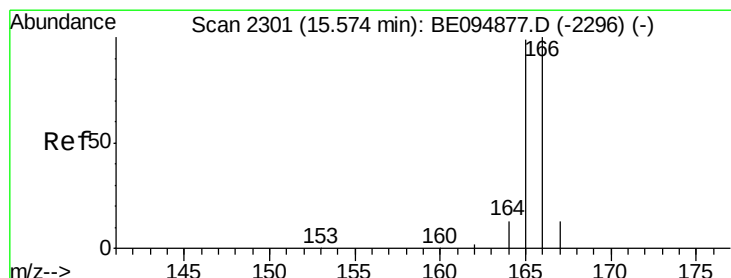
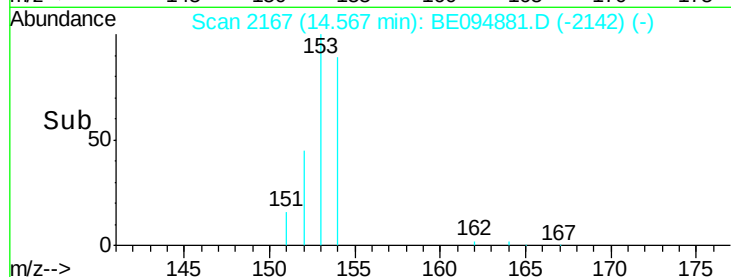
400

200

0

14.50 14.60 14.70

Time-->



#9

Fluorene

Concen: 0.110 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

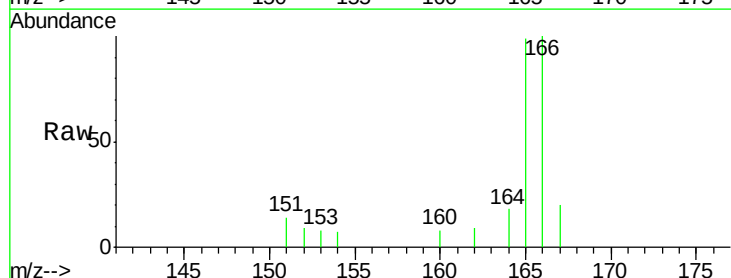
Tgt Ion:166 Resp: 1196

Ion Ratio Lower Upper

166 100

165 99.1 73.4 110.2

167 20.3 14.6 22.0



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

15.56

800

600

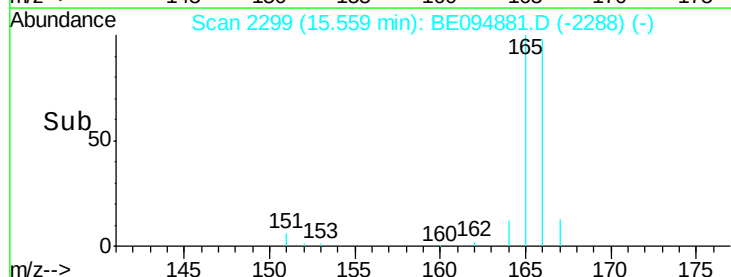
400

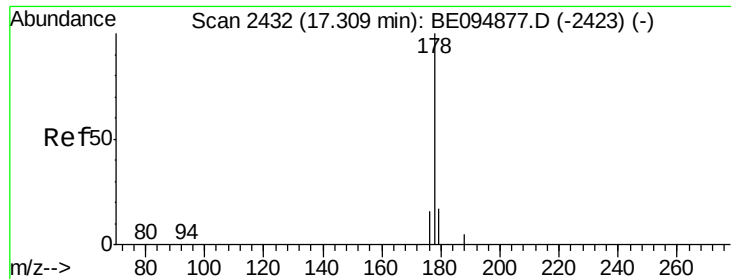
200

0

15.50 15.55 15.60 15.65

Time-->





#12

Phenanthrene

Concen: 0.429 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.03 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

C0AC3DL

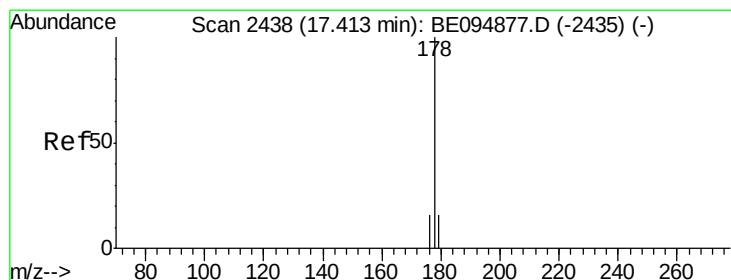
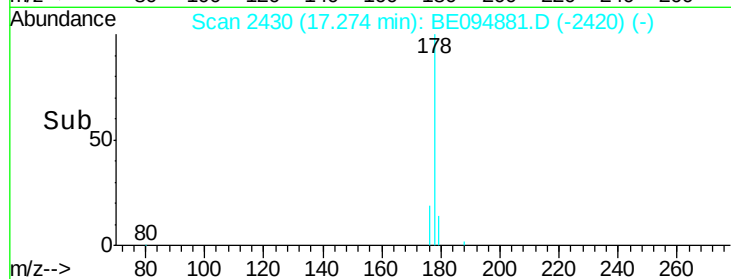
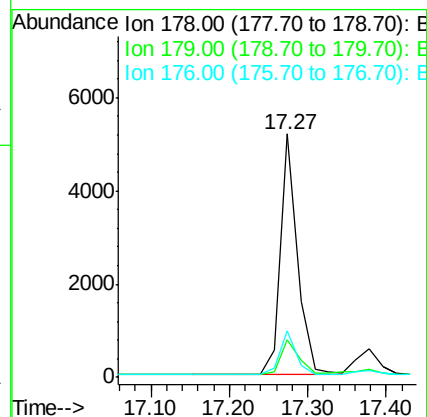
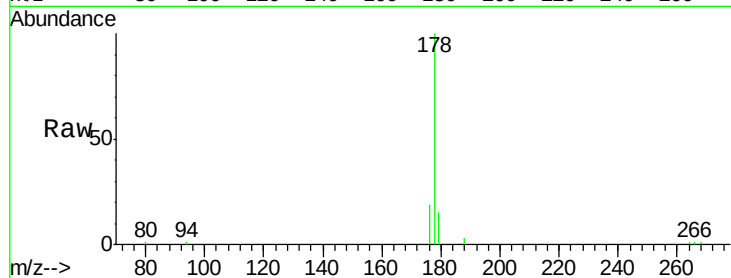
Tgt Ion:178 Resp: 7817

Ion Ratio Lower Upper

178 100

179 15.3 18.4 27.6#

176 19.3 13.6 20.4



#13

Anthracene

Concen: 0.061 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.03 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

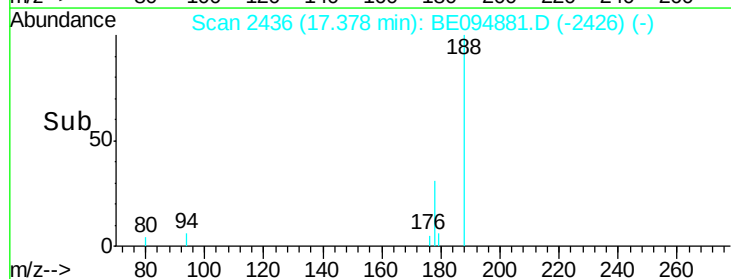
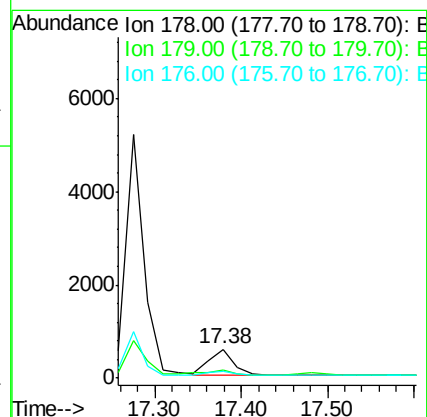
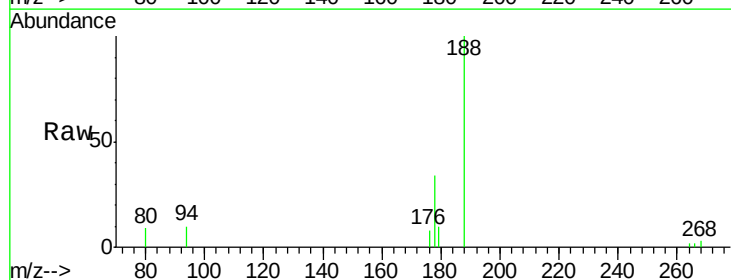
Tgt Ion:178 Resp: 1137

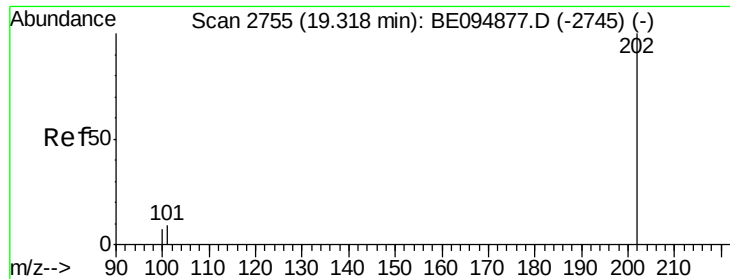
Ion Ratio Lower Upper

178 100

179 28.3 18.1 27.1#

176 23.9 14.7 22.1#

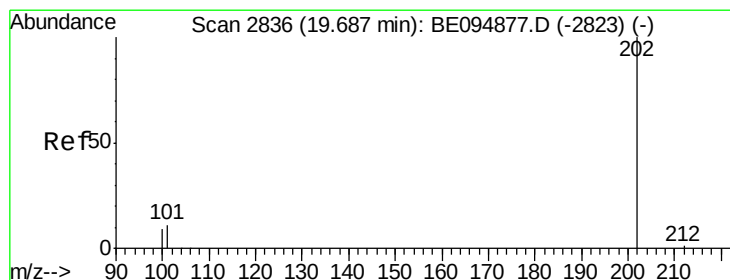
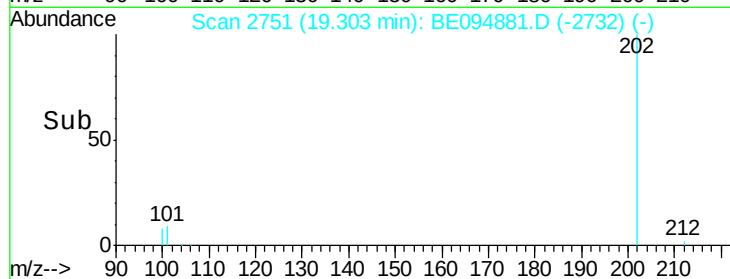
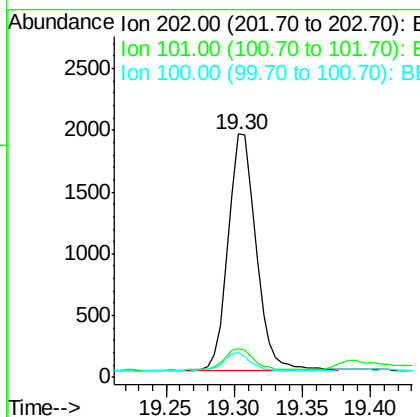
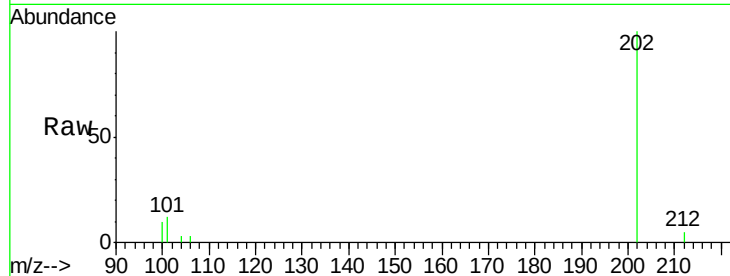




#15
Fluoranthene
 Concen: 0.115 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.02 min
 Lab File: BE094881.D
 Acq: 28 Nov 2017 13:24

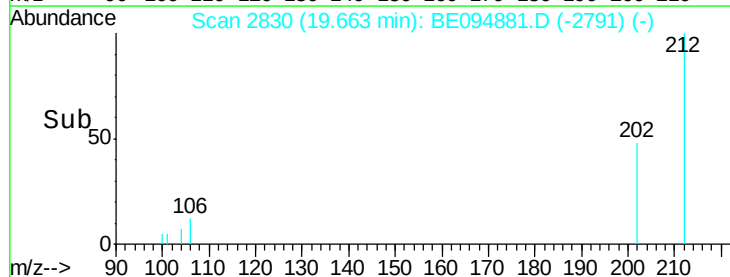
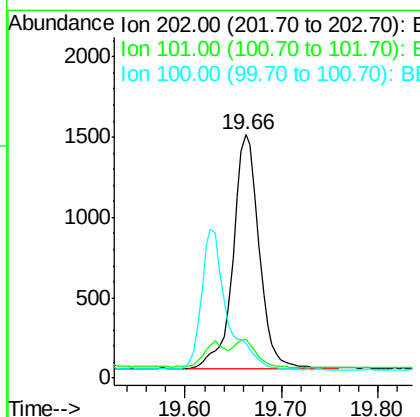
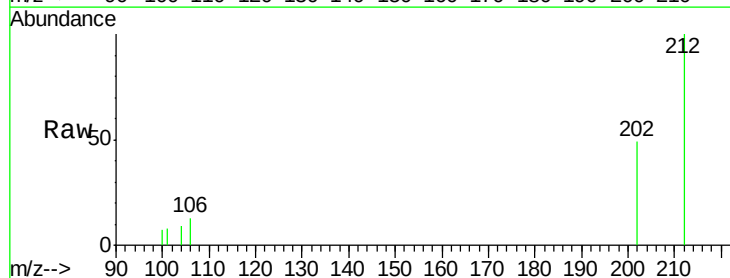
Instrument :
 BNA_E
 ClientSampleId :
 C0AC3DL

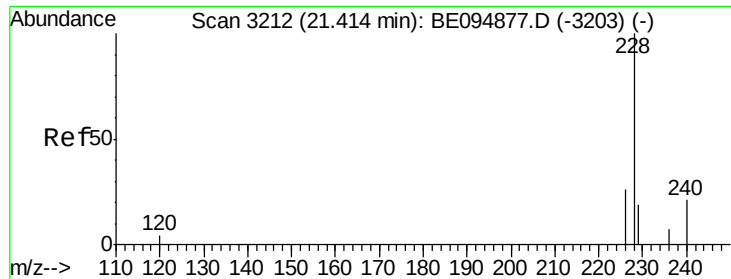
Tgt Ion:	202	Resp:	2746
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.3
100	10.0	0.0	39.5



#17
Pyrene
 Concen: 0.132 ng/ul
 RT: 19.66 min Scan# 2830
 Delta R.T. -0.02 min
 Lab File: BE094881.D
 Acq: 28 Nov 2017 13:24

Tgt Ion:	202	Resp:	2748
Ion	Ratio	Lower	Upper
202	100		
101	15.8	18.2	27.4#
100	14.3	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.032 ng/ul

RT: 21.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

C0AC3DL

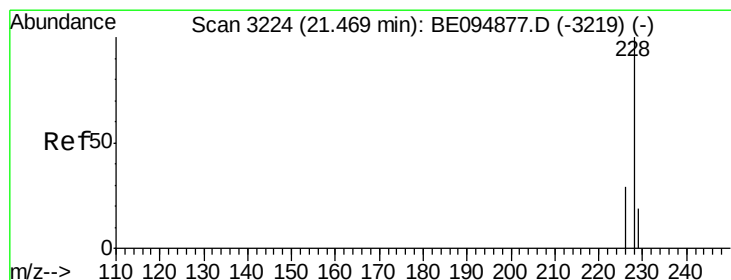
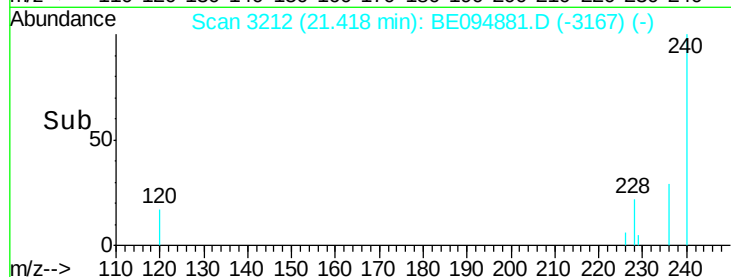
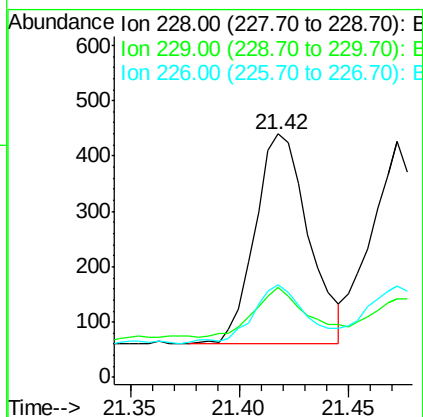
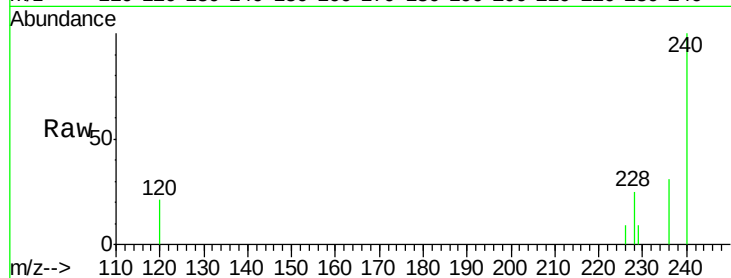
Tgt Ion:228 Resp: 649

Ion Ratio Lower Upper

228 100

229 36.8 22.8 34.2#

226 38.0 17.0 25.6#



#19

Chrysene

Concen: 0.033 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. 0.00 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

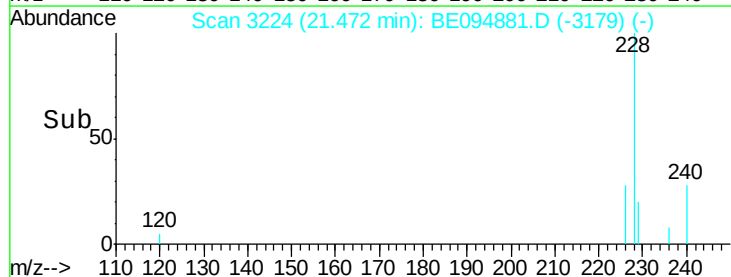
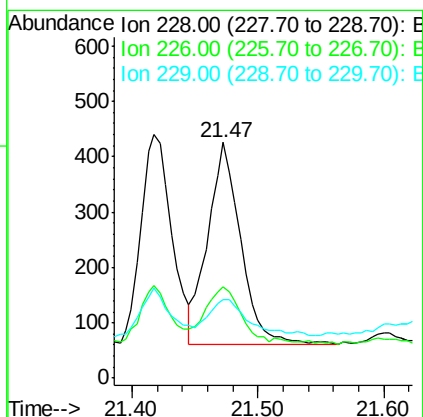
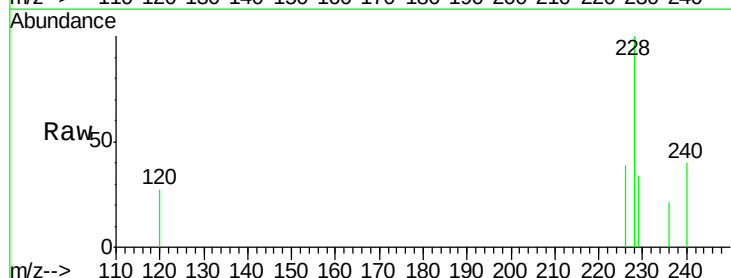
Tgt Ion:228 Resp: 659

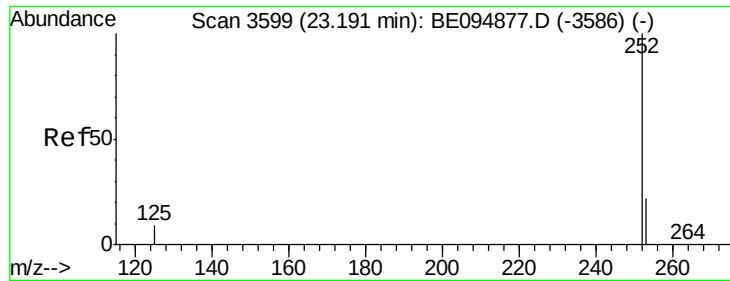
Ion Ratio Lower Upper

228 100

226 39.0 23.4 35.0#

229 33.6 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.027 ng/ul

RT: 23.18 min Scan# 3596

Delta R.T. -0.01 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

Instrument :

BNA_E

ClientSampleId :

C0AC3DL

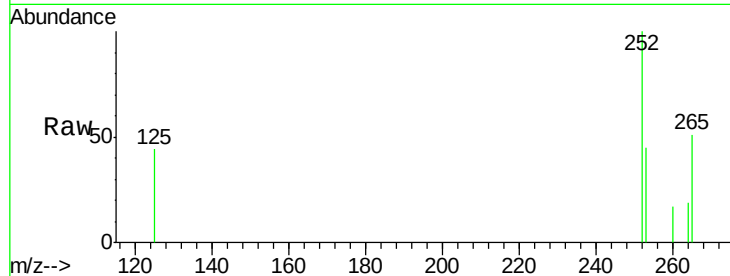
Tgt Ion:252 Resp: 550

Ion Ratio Lower Upper

252 100

253 45.2 0.0 64.2

125 44.3 0.0 35.0#

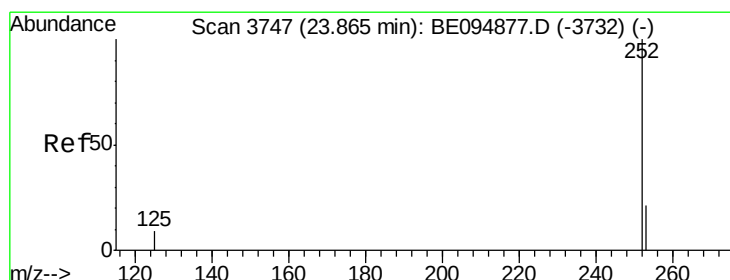
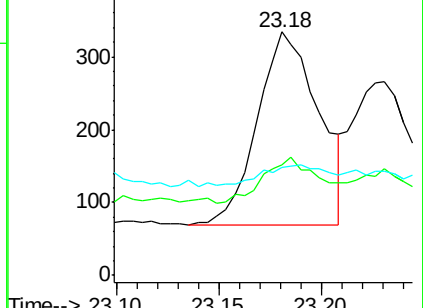
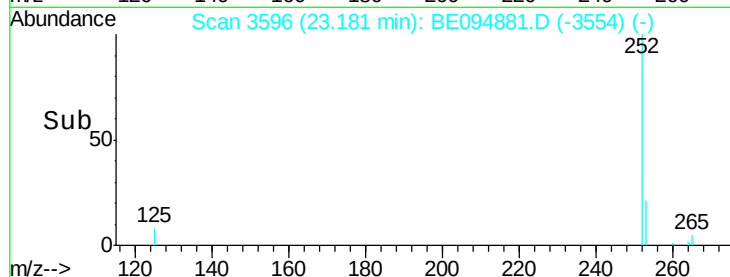


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 23.10 23.15 23.20



#23

Benzo(a)pyrene

Concen: 0.021 ng/ul

RT: 23.84 min Scan# 3741

Delta R.T. -0.02 min

Lab File: BE094881.D

Acq: 28 Nov 2017 13:24

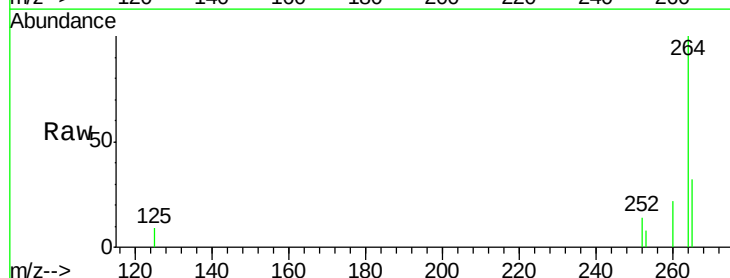
Tgt Ion:252 Resp: 436

Ion Ratio Lower Upper

252 100

253 58.4 28.5 42.7#

125 60.2 18.1 27.1#

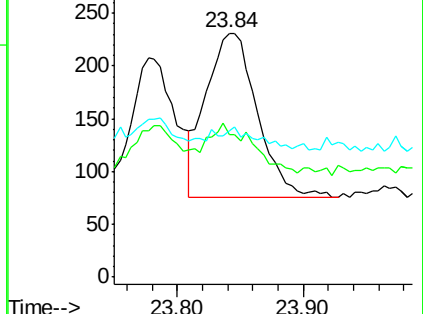
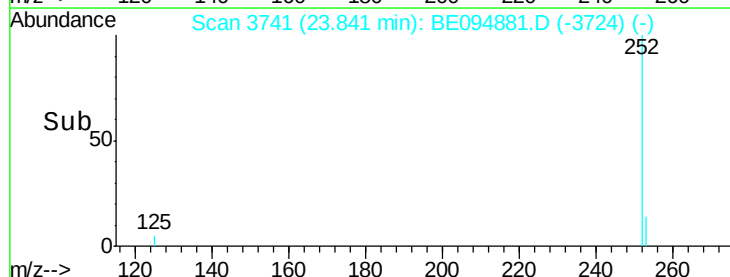


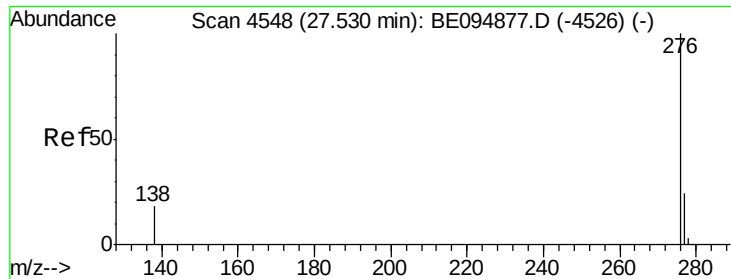
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 23.80 23.90





#26

Benzo(g,h,i)perylene

Concen: 0.020 ng/ul

RT: 27.59 min Scan# 4559

Delta R.T. 0.06 min

Lab File: BE094881.D

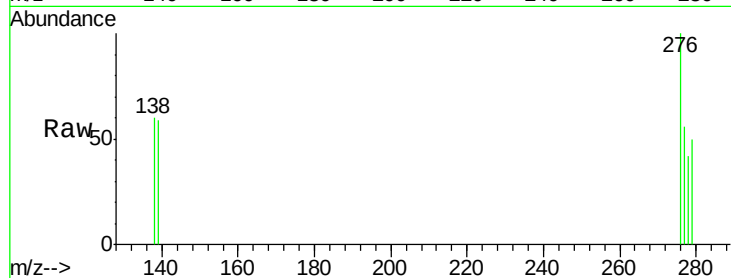
Acq: 28 Nov 2017 13:24

Instrument :

BNA_E

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C0AC3DL



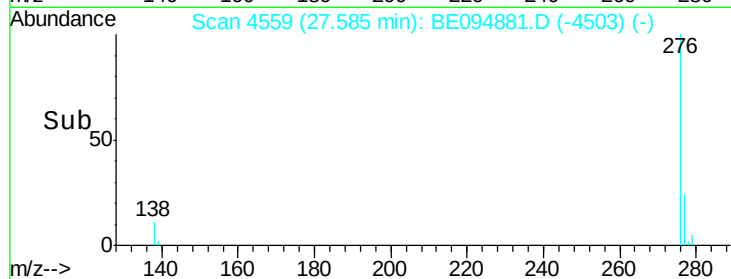
Tgt Ion: 276 Resp: 378

Ion Ratio Lower Upper

276 100

138 60.0 21.8 32.8#

277 56.3 20.5 30.7#



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

