

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094243.D
 Acq On : 10 Oct 2017 4:51
 Operator : SJ/JU
 Sample : I5533-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 10 08:53:14 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2724	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13778	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7943	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.26	188	16748	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	16596	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	18165	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.28	152	3340	0.16	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	8276	0.15	ng/ul	-0.01

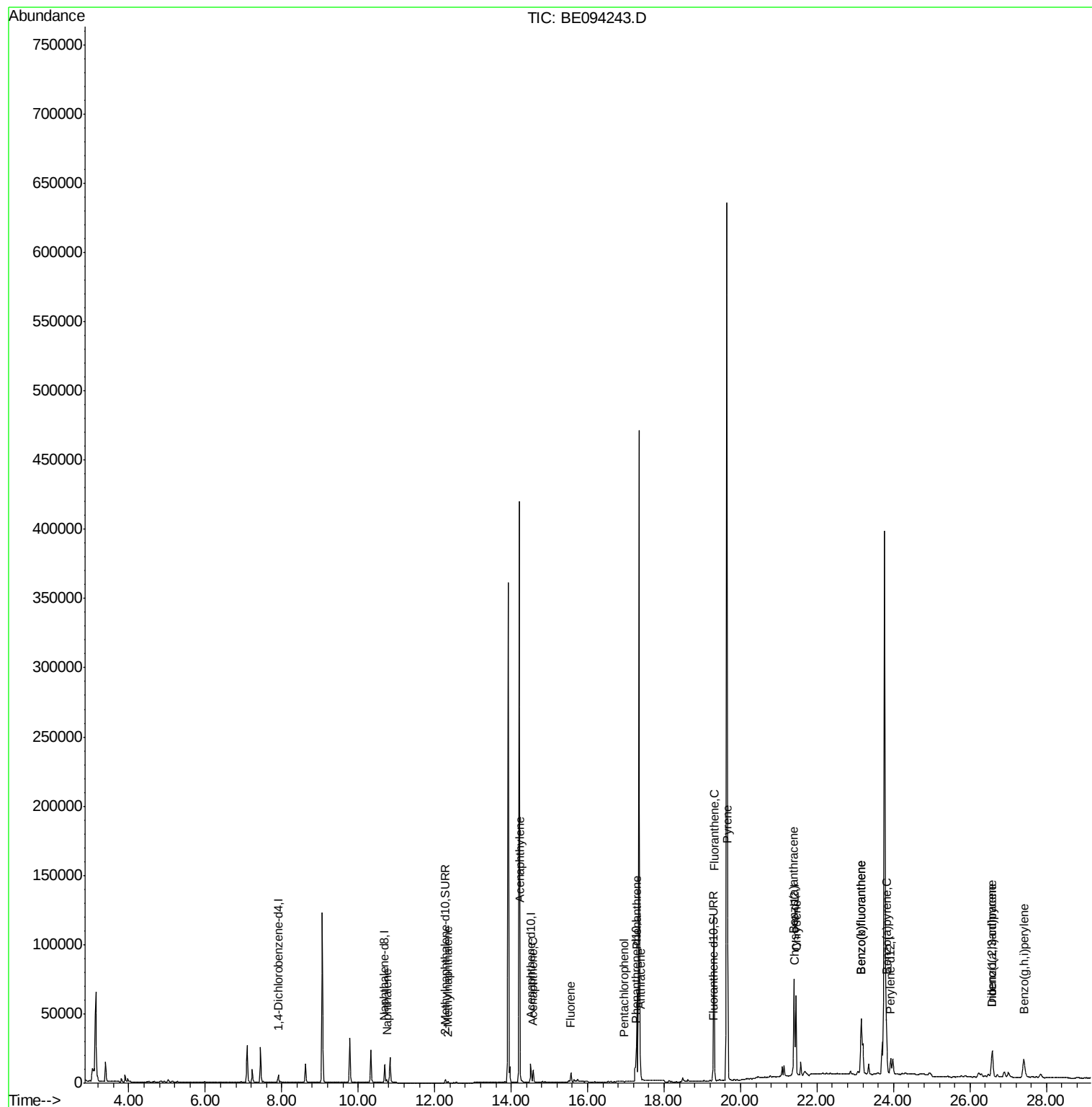
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.74	128	2746	0.08	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	872	0.04	ng/ul	97
7) Acenaphthylene	14.24	152	1932	0.06	ng/ul#	88
8) Acenaphthene	14.57	153	5407	0.21	ng/ul	96
9) Fluorene	15.57	166	4497	0.15	ng/ul	96
11) Pentachlorophenol	16.94	266	51	0.03	ng/ul#	20
12) Phenanthrene	17.29	178	73239	1.67	ng/ul#	92
13) Anthracene	17.38	178	16745	0.39	ng/ul#	92
15) Fluoranthene	19.30	202	132998	2.31	ng/ul	84
17) Pyrene	19.66	202	117774	2.55	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	62334	1.42	ng/ul#	88
19) Chrysene	21.45	228	58611	1.15	ng/ul	96
21) Benzo(b)fluoranthene	23.15	252	102541	2.08	ng/ul	92
22) Benzo(k)fluoranthene	23.15	252	102541	1.80	ng/ul	93
23) Benzo(a)pyrene	23.81	252	55599	1.08	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.58	276	35691	0.68	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.59	278	8794	0.20	ng/ul#	70
26) Benzo(g,h,i)perylene	27.41	276	33450	0.74	ng/ul	94

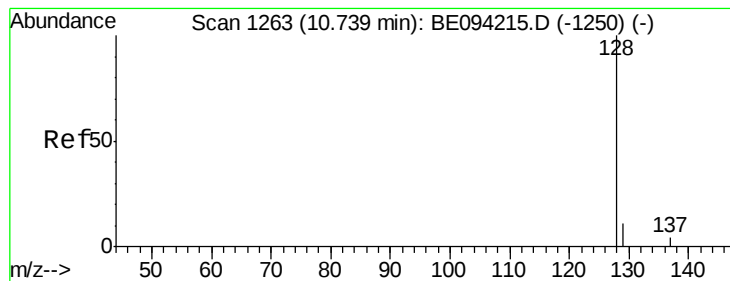
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.08 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

Instrument :

BNA_E

ClientSampleId :

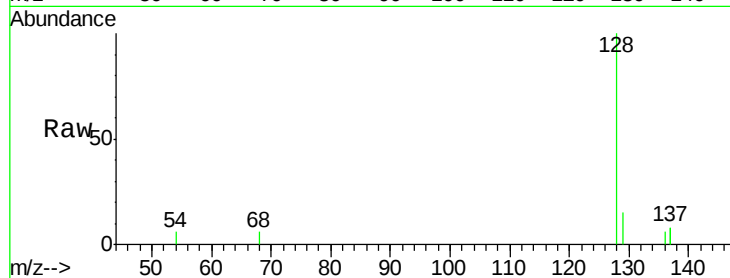
Tot Ion:128 Resp: 2746

Ion Ratio Lower Upper

128 100

129 15.0 11.3 16.9

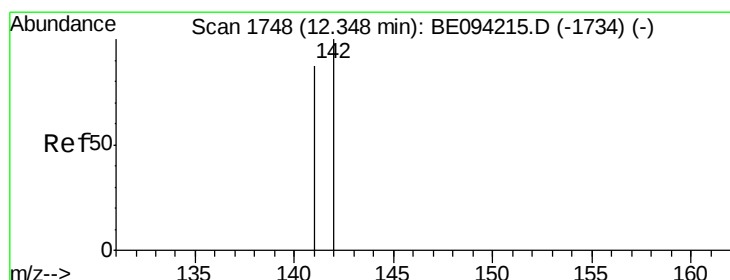
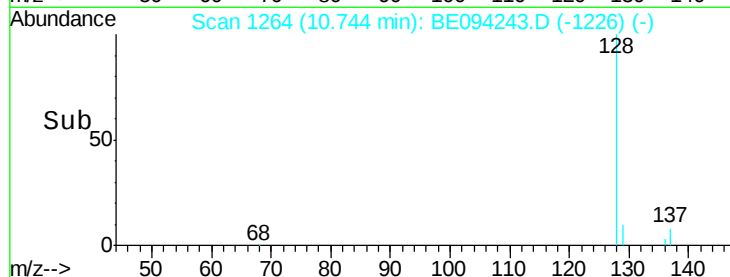
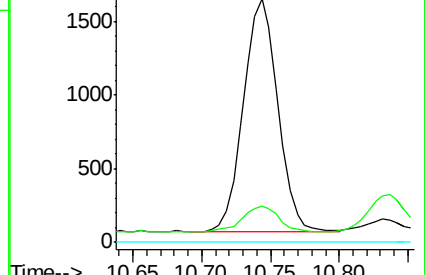
127 0.0 4.0 6.0#



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: 0.04 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BE094243.D

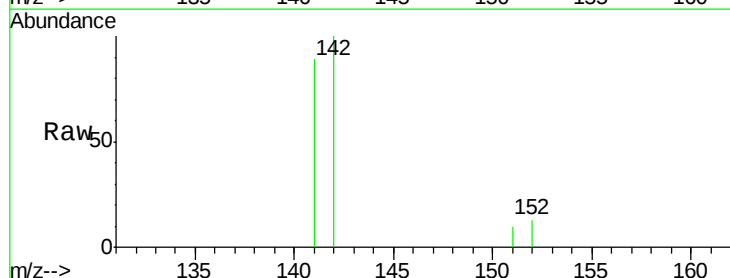
Acq: 10 Oct 2017 4:51

Tgt Ion:142 Resp: 872

Ion Ratio Lower Upper

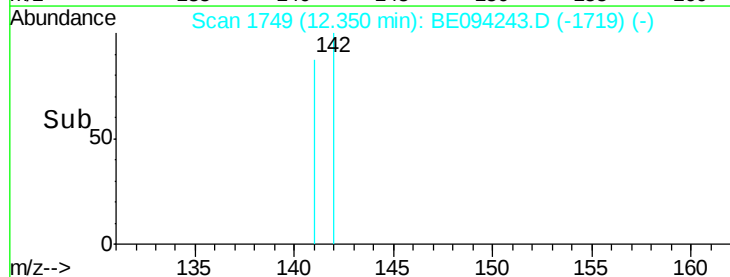
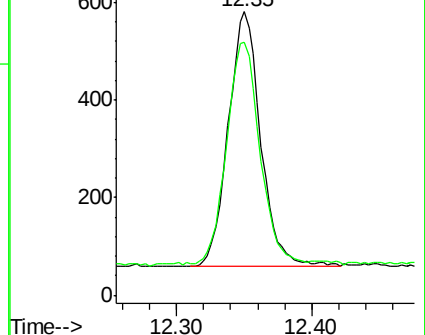
142 100

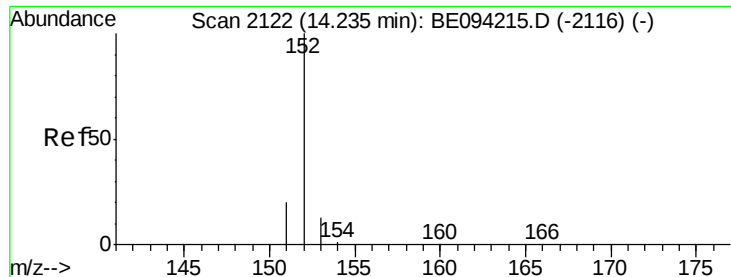
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

Instrument :

BNA_E

ClientSampled :

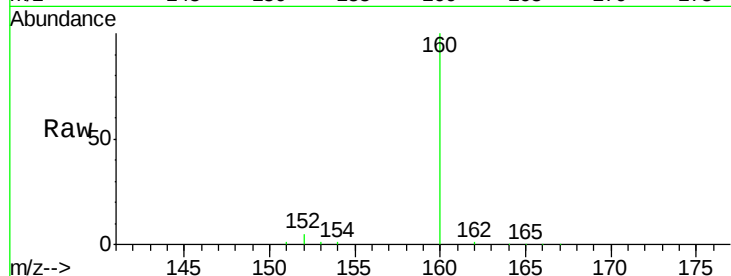
Tot Ion:152 Resp: 1932

Ion Ratio Lower Upper

152 100

151 27.6 17.1 25.7#

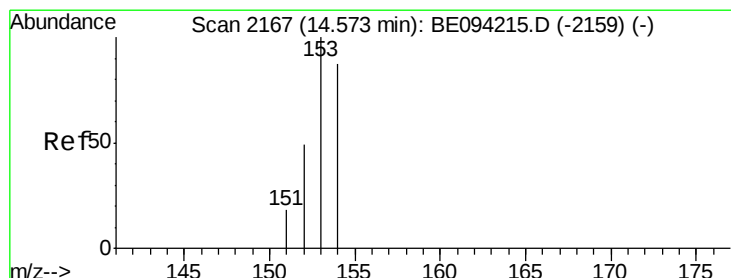
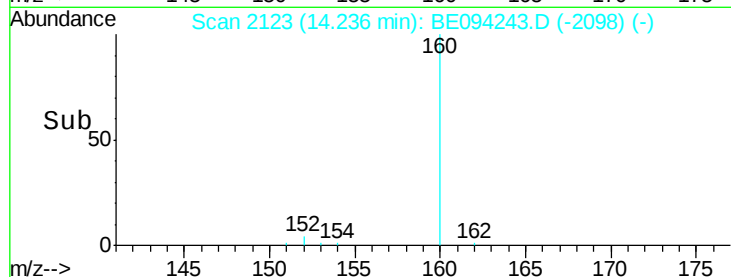
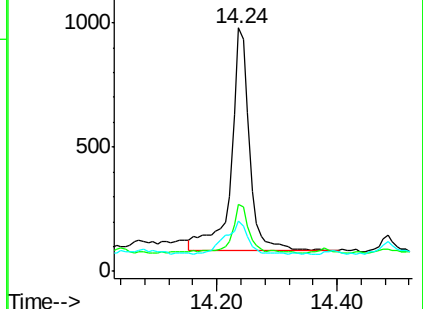
153 20.9 12.8 19.2#



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: 0.21 ng/ul

RT: 14.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

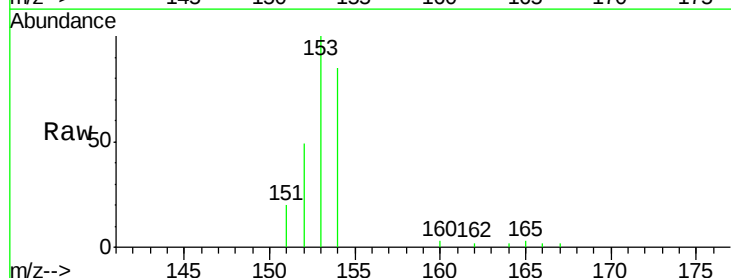
Tgt Ion:153 Resp: 5407

Ion Ratio Lower Upper

153 100

152 48.8 40.3 60.5

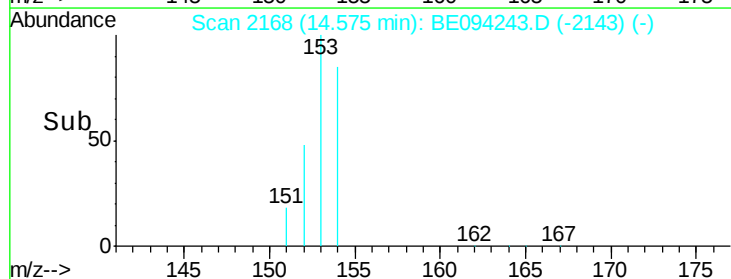
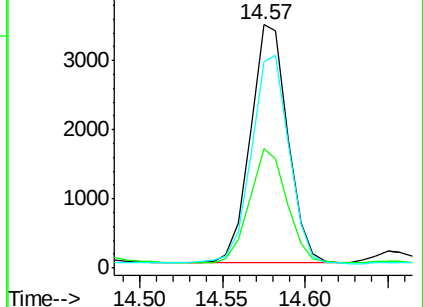
154 84.8 71.4 107.2

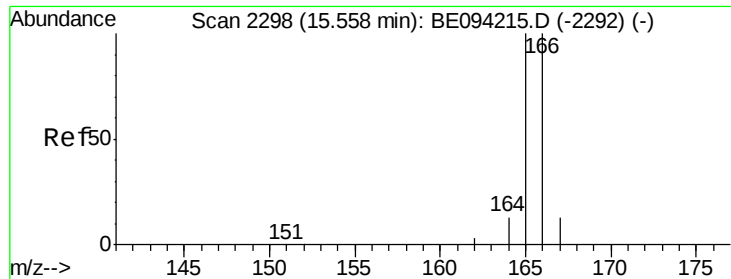


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.15 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

Instrument :

BNA_E

ClientSampleId :

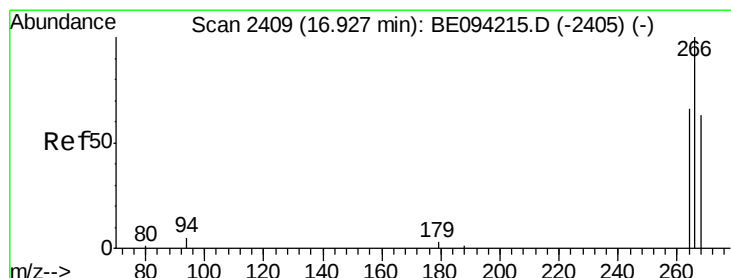
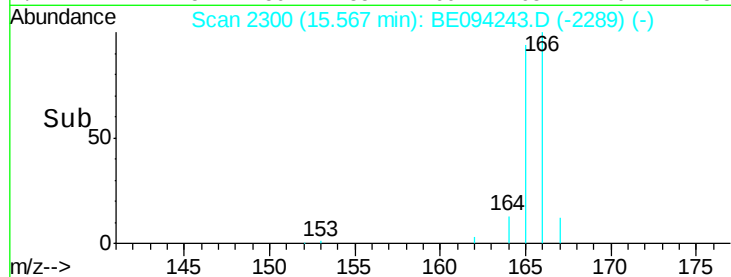
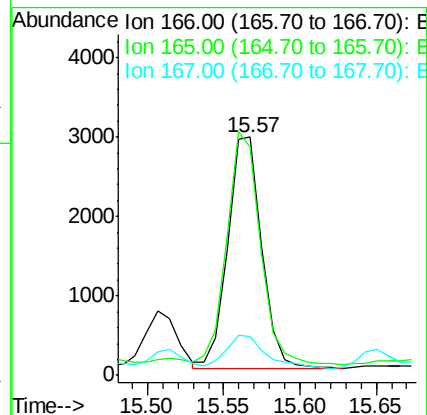
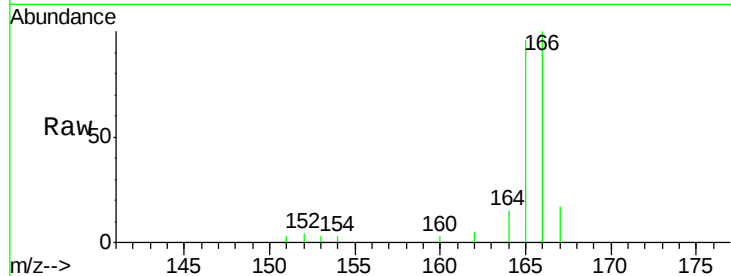
Tot Ion:166 Resp: 4497

Ion Ratio Lower Upper

166 100

165 96.0 73.4 110.2

167 16.5 14.6 22.0



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.94 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

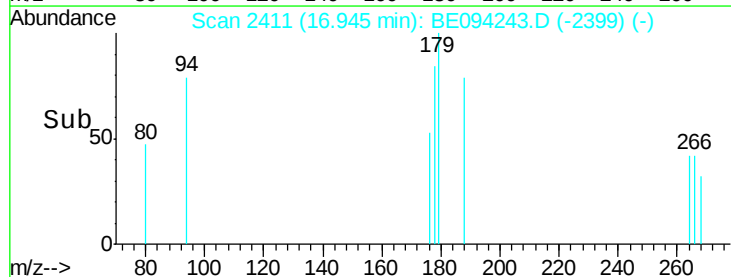
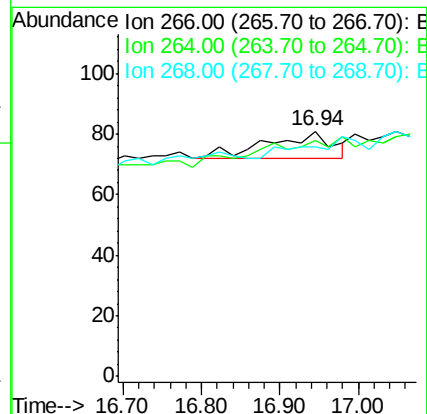
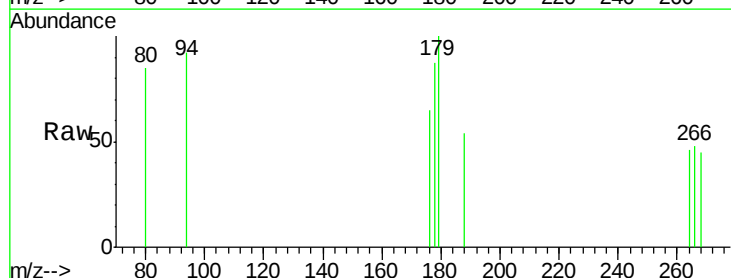
Tgt Ion:266 Resp: 51

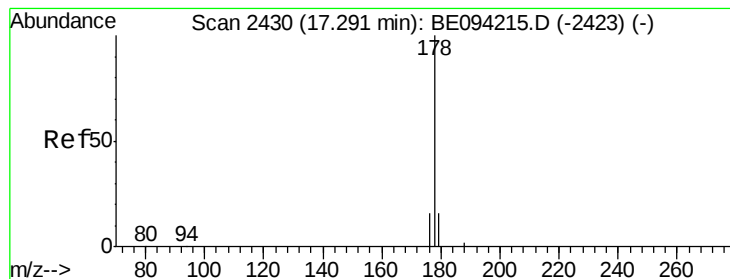
Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 1.67 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

Instrument :

BNA_E

ClientSampleId :

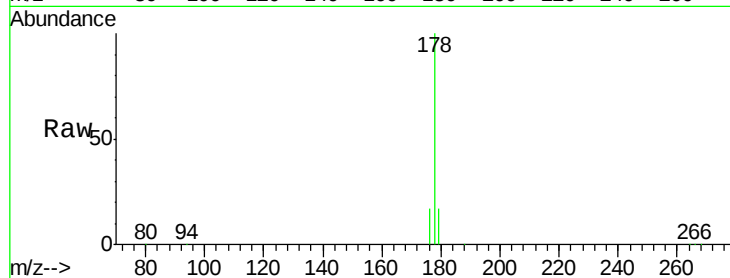
Tot Ion:178 Resp: 73239

Ion Ratio Lower Upper

178 100

179 16.6 18.4 27.6#

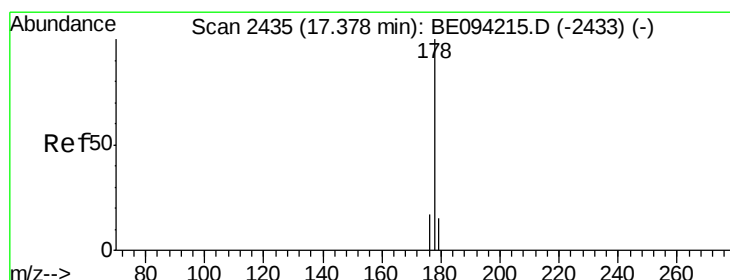
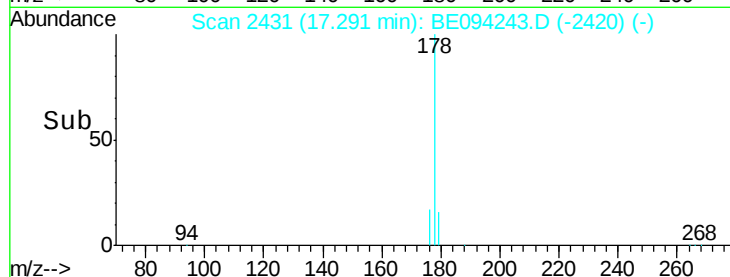
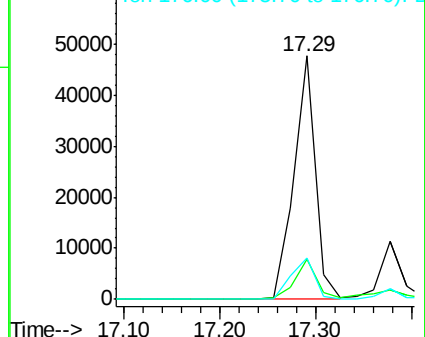
176 17.2 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

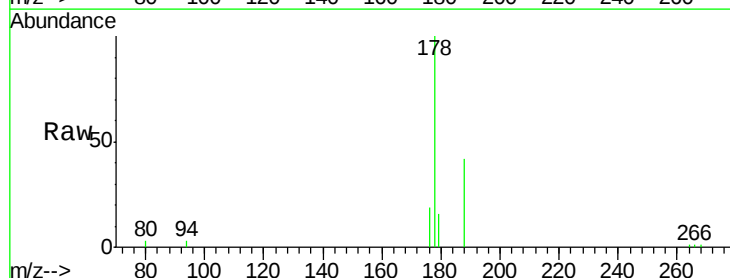
Tgt Ion:178 Resp: 16745

Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

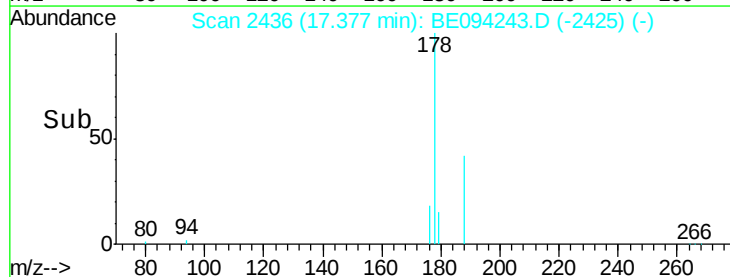
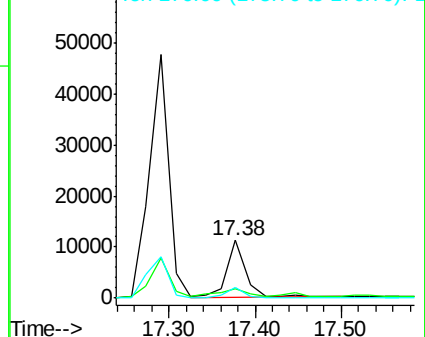
176 19.0 14.7 22.1

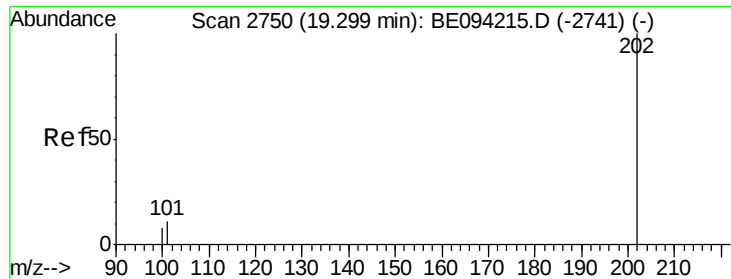


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.31 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

Instrument :

BNA_E

ClientSampleId :

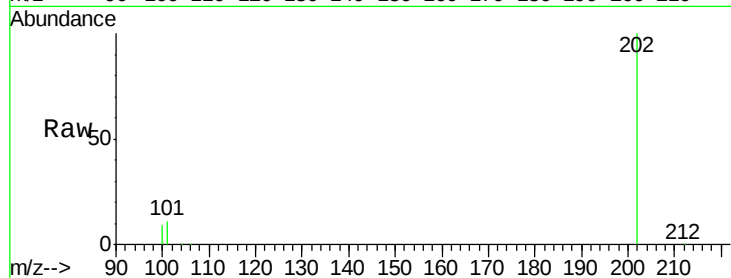
Tot Ion:202 Resp: 132998

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

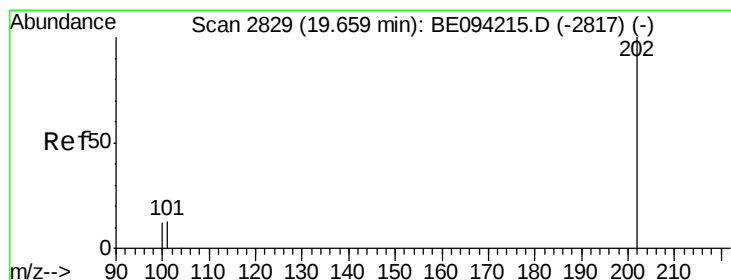
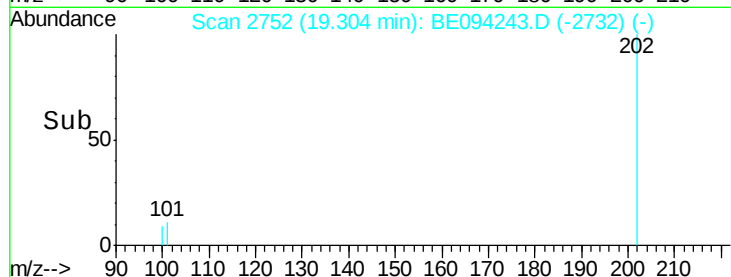
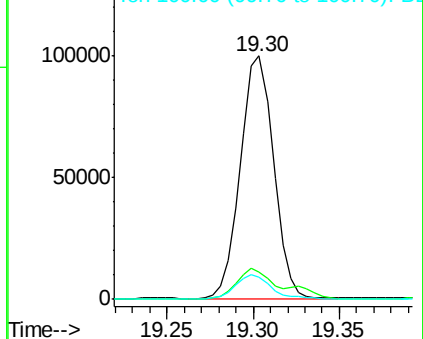
100 9.0 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE



#17

Pyrene

Concen: 2.55 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

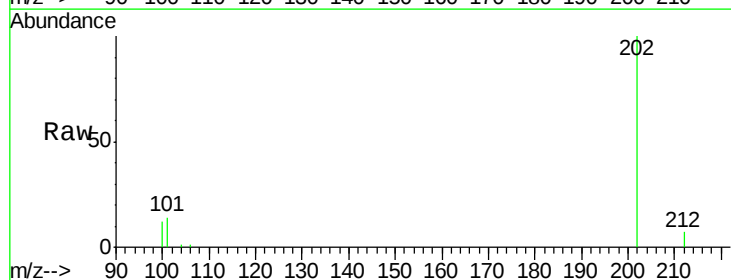
Tgt Ion:202 Resp: 117774

Ion Ratio Lower Upper

202 100

101 14.3 18.2 27.4#

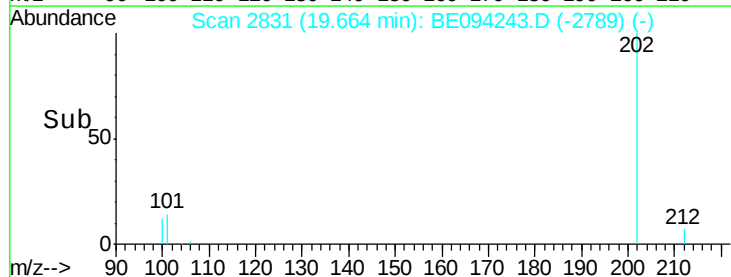
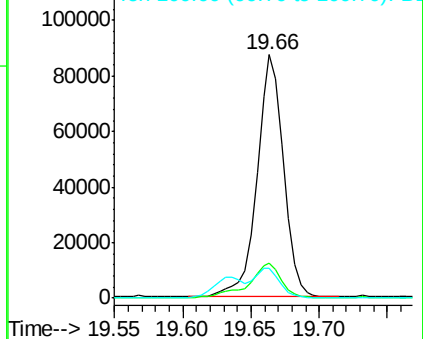
100 12.3 15.6 23.4#

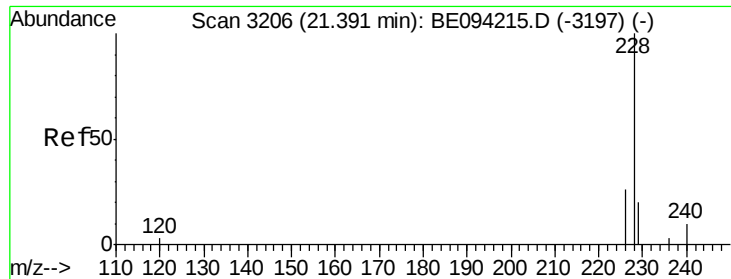


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE

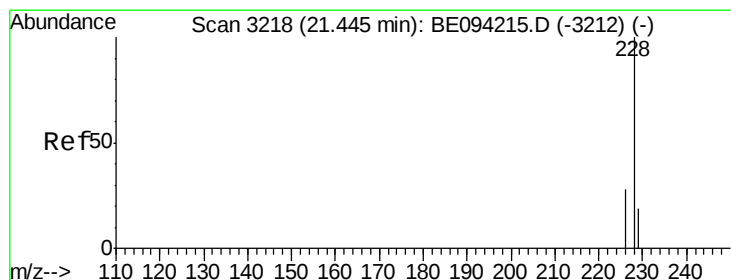
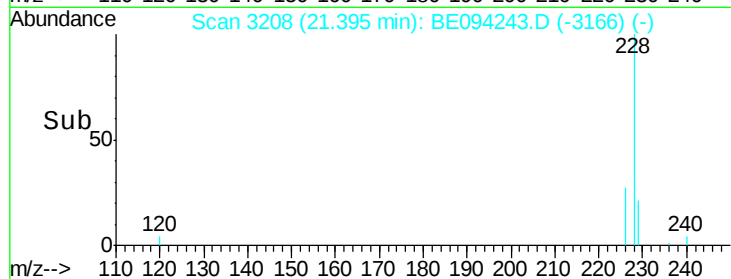
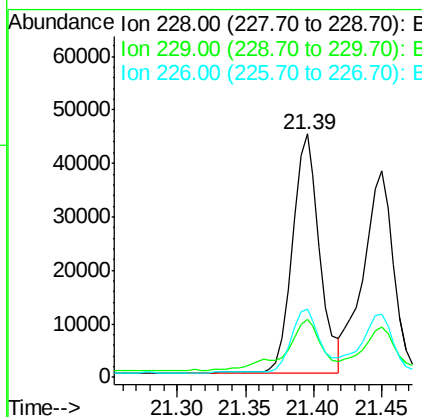
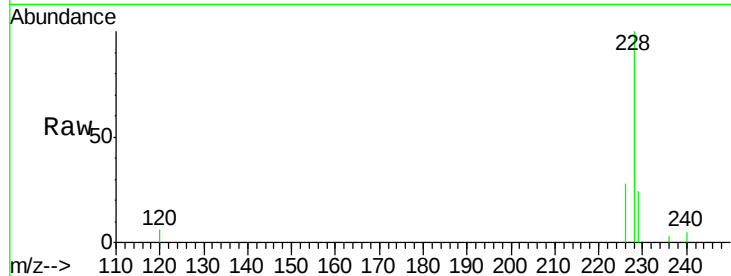




#18
Benzo(a)anthracene
Concen: 1.42 ng/ul
RT: 21.39 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BE094243.D
Acq: 10 Oct 2017 4:51

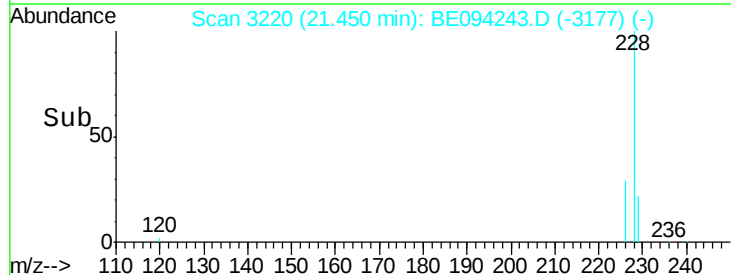
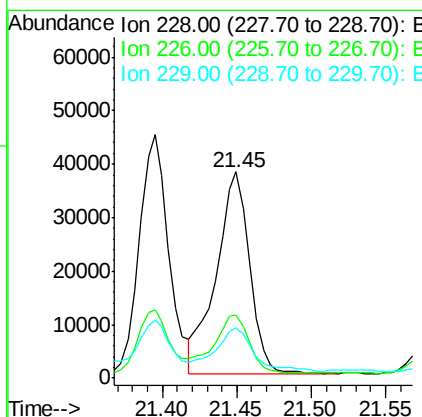
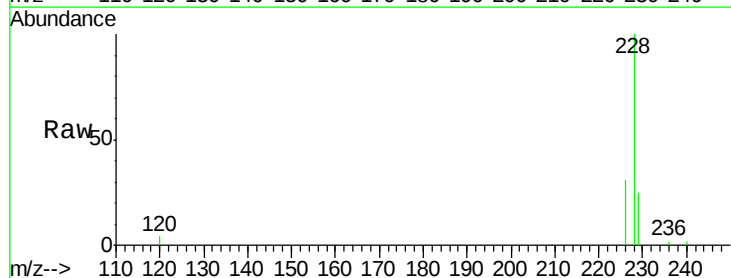
Instrument :
BNA_E
ClientSampleId :

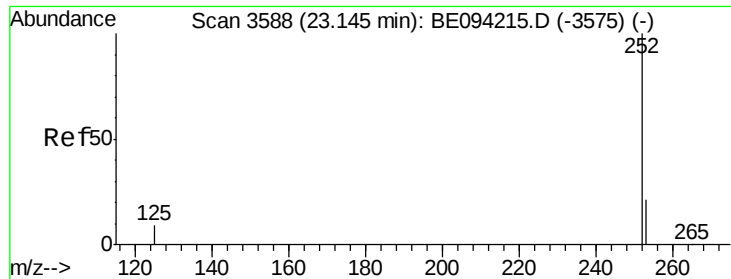
Tot Ion:228 Resp: 62334
Ion Ratio Lower Upper
228 100
229 23.6 22.8 34.2
226 28.2 17.0 25.6#



#19
Chrysene
Concen: 1.15 ng/ul
RT: 21.45 min Scan# 3220
Delta R.T. -0.00 min
Lab File: BE094243.D
Acq: 10 Oct 2017 4:51

Tgt Ion:228 Resp: 58611
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.0
229 24.8 17.7 26.5

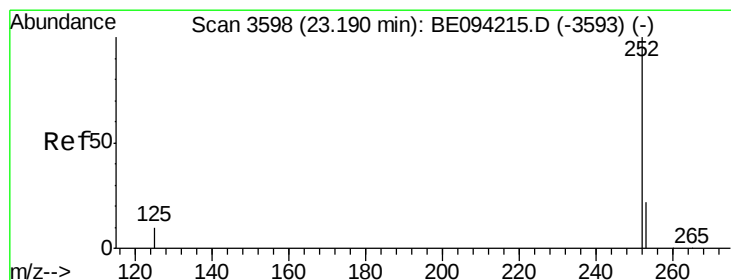
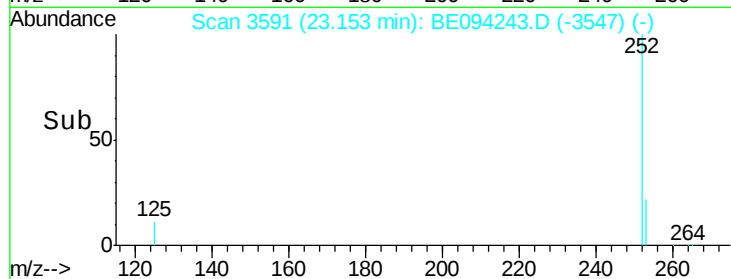
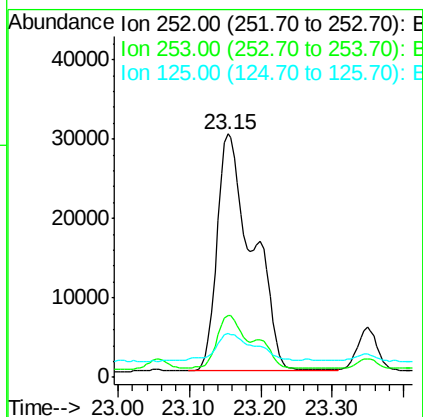
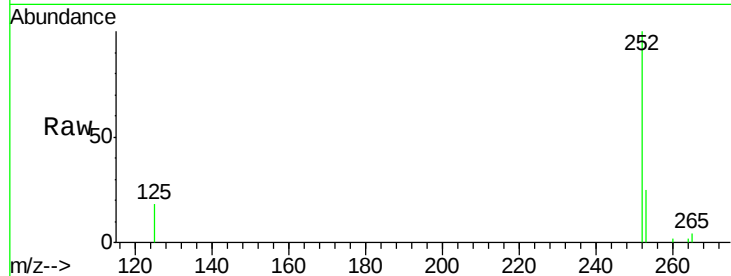




#21
Benzo(b)fluoranthene
Concen: 2.08 ng/ul
RT: 23.15 min Scan# 3591
Delta R.T. 0.00 min
Lab File: BE094243.D
Acq: 10 Oct 2017 4:51

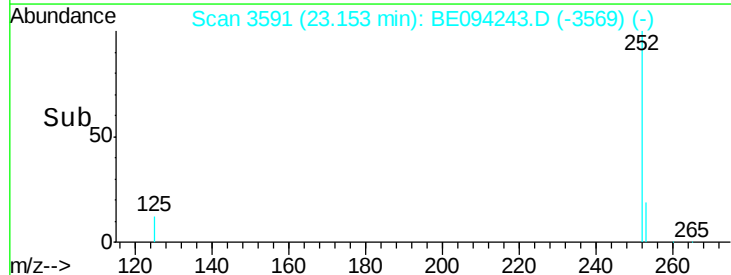
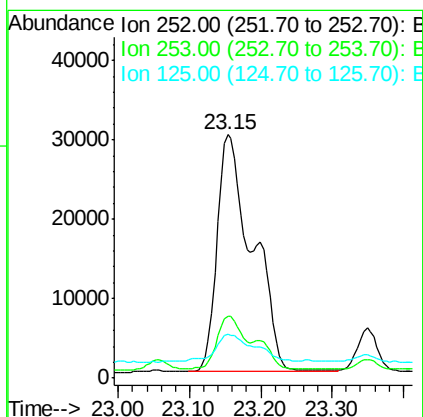
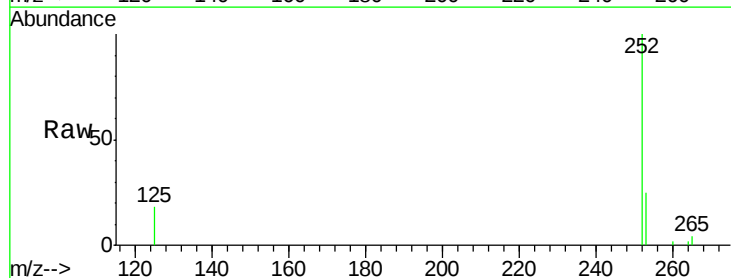
Instrument :
BNA_E
ClientSampleId :

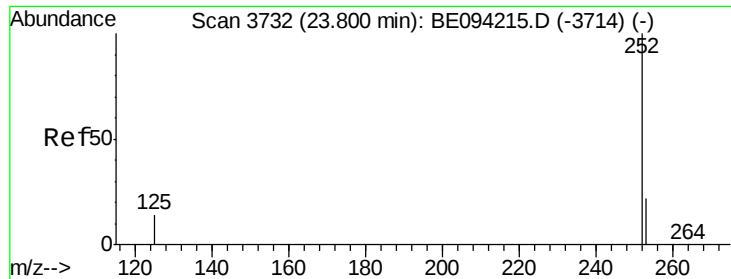
Tot Ion:252 Resp: 102541
Ion Ratio Lower Upper
252 100
253 25.4 0.0 64.2
125 18.0 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 1.80 ng/ul
RT: 23.15 min Scan# 3591
Delta R.T. -0.05 min
Lab File: BE094243.D
Acq: 10 Oct 2017 4:51

Tgt Ion:252 Resp: 102541
Ion Ratio Lower Upper
252 100
253 25.4 24.5 36.7
125 18.0 13.7 20.5





#23

Benzo(a)pyrene

Concen: 1.08 ng/ul

RT: 23.81 min Scan# 3736

Delta R.T. 0.00 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

Instrument :

BNA_E

ClientSampleId :

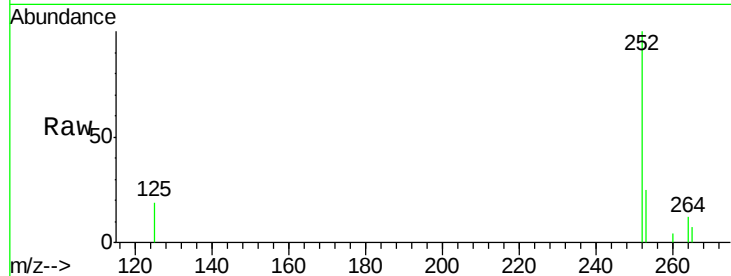
Tot Ion:252 Resp: 55599

Ion Ratio Lower Upper

252 100

253 25.3 28.5 42.7#

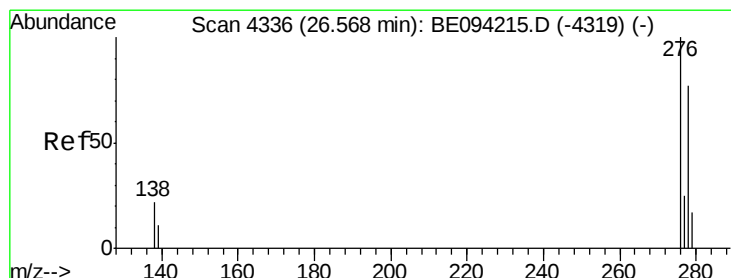
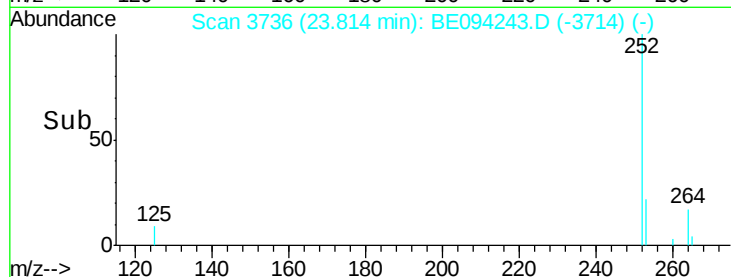
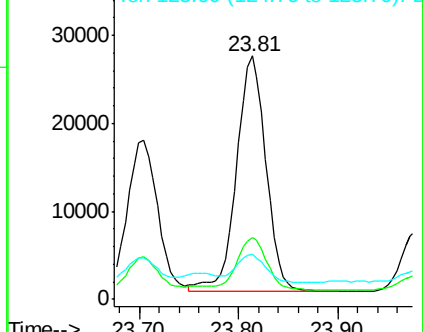
125 18.8 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.68 ng/ul

RT: 26.58 min Scan# 4340

Delta R.T. -0.00 min

Lab File: BE094243.D

Acq: 10 Oct 2017 4:51

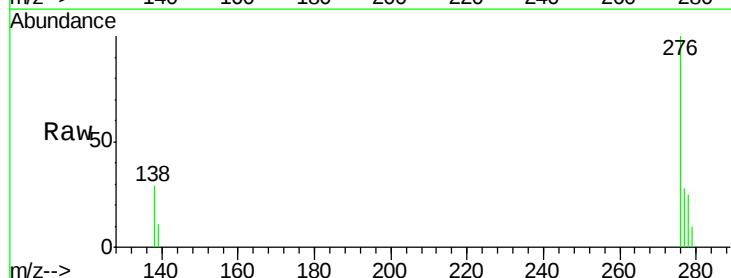
Tgt Ion:276 Resp: 35691

Ion Ratio Lower Upper

276 100

138 23.8 28.0 42.0#

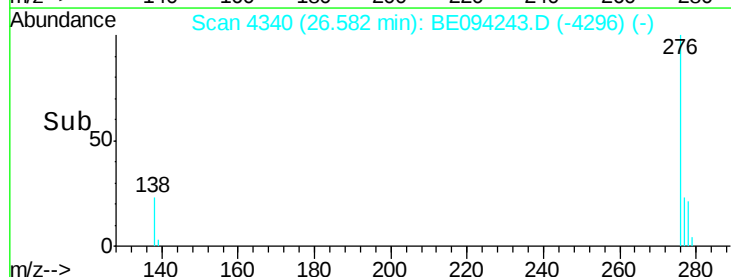
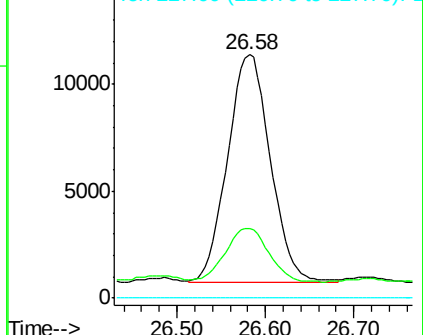
227 0.0 8.0 12.0#

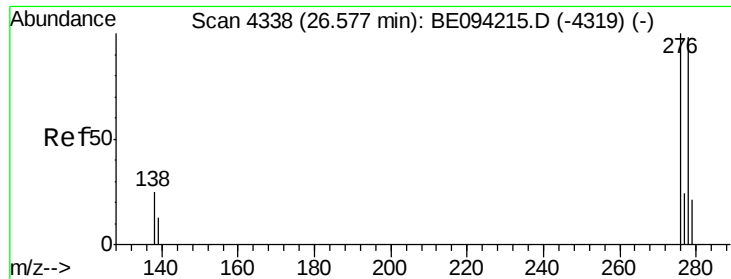


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

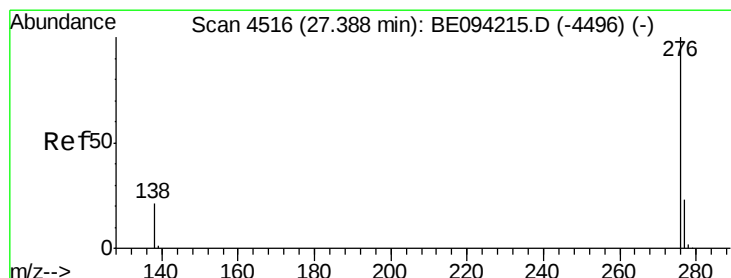
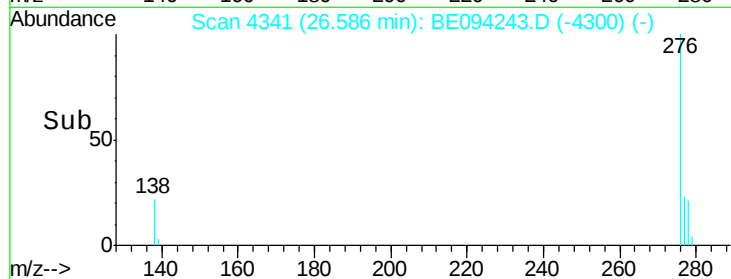
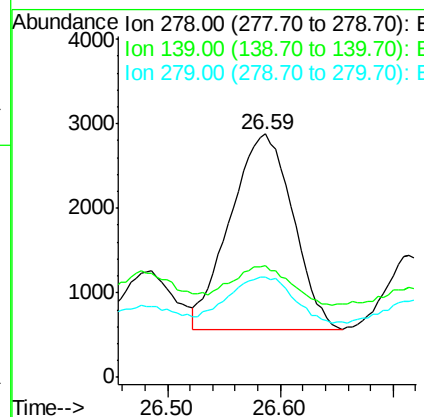
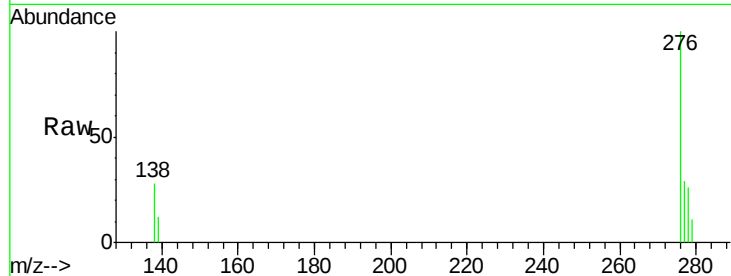




#25
Dibenzo(a,h)anthracene
Concen: 0.20 ng/ul
RT: 26.59 min Scan# 4341
Delta R.T. -0.02 min
Lab File: BE094243.D
Acq: 10 Oct 2017 4:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 8794
Ion Ratio Lower Upper
278 100
139 45.8 17.4 26.0#
279 41.3 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.74 ng/ul
RT: 27.41 min Scan# 4522
Delta R.T. 0.01 min
Lab File: BE094243.D
Acq: 10 Oct 2017 4:51

Tgt Ion:276 Resp: 33450
Ion Ratio Lower Upper
276 100
138 29.9 21.8 32.8
277 29.3 20.5 30.7

