

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
 Data File : BE094844.D
 Acq On : 22 Nov 2017 22:29
 Operator : SJ/JU
 Sample : I6496-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 23 02:51:53 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 02:50:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	749	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.68	136	5112	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.50	164	3571	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8674	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	8846	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9606	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	1416	0.17	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	4894	0.16	ng/ul	-0.01

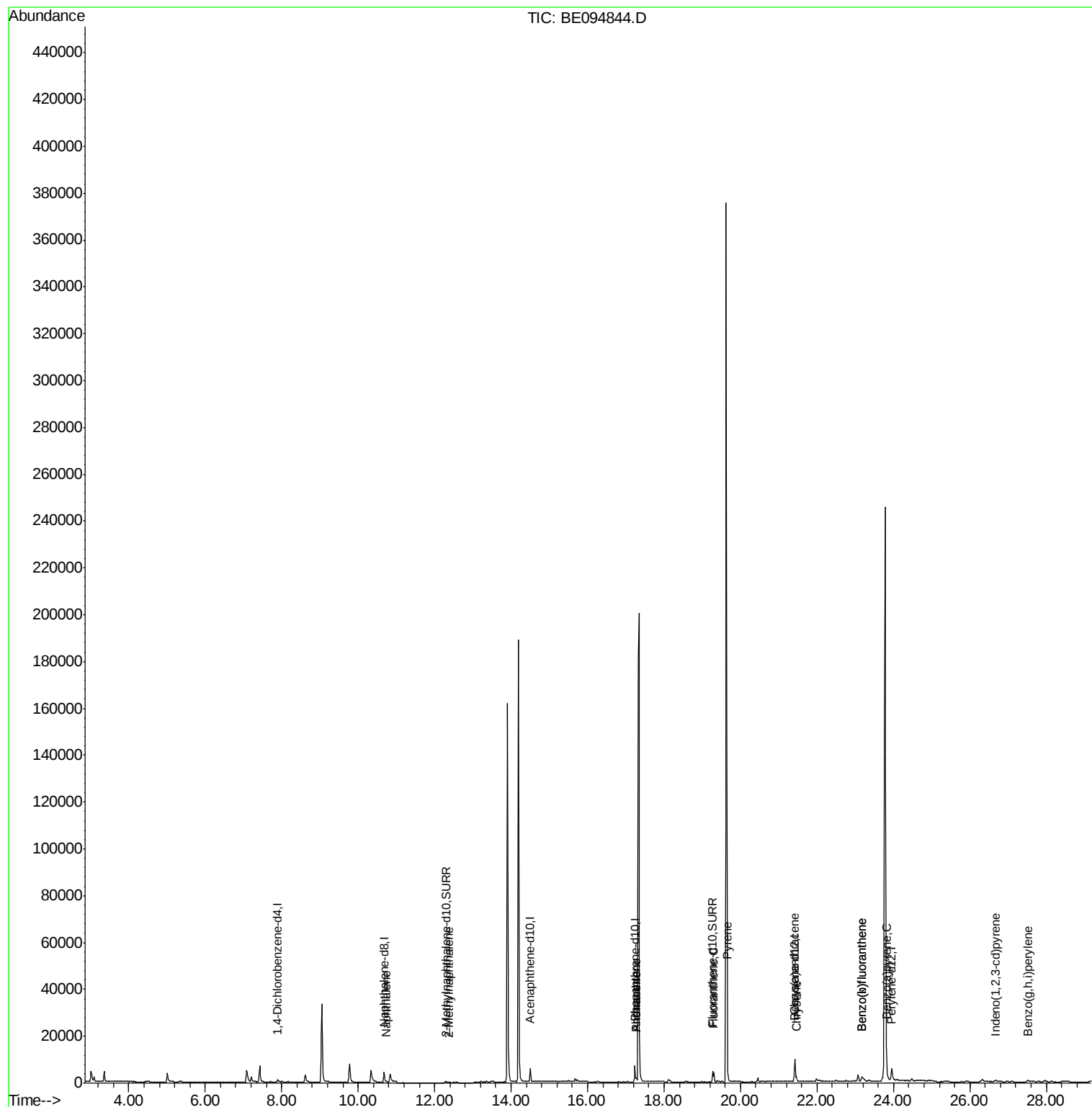
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	326	0.03	ng/ul#	57
5) 2-Methylnaphthalene	12.36	142	280	0.03	ng/ul	97
12) Phenanthrene	17.27	178	2273	0.10	ng/ul#	90
13) Anthracene	17.27	178	2197	0.09	ng/ul	92
15) Fluoranthene	19.30	202	4513	0.15	ng/ul	83
17) Pyrene	19.66	202	4513	0.16	ng/ul#	87
18) Benzo(a)anthracene	21.40	228	2403	0.09	ng/ul#	90
19) Chrysene	21.46	228	2752	0.10	ng/ul#	88
21) Benzo(b)fluoranthene	23.18	252	4501	0.16	ng/ul#	81
22) Benzo(k)fluoranthene	23.18	252	4494	0.15	ng/ul#	79
23) Benzo(a)pyrene	23.83	252	2056	0.07	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.67	276	1477	0.05	ng/ul#	70
26) Benzo(g,h,i)perylene	27.51	276	1368	0.05	ng/ul#	63

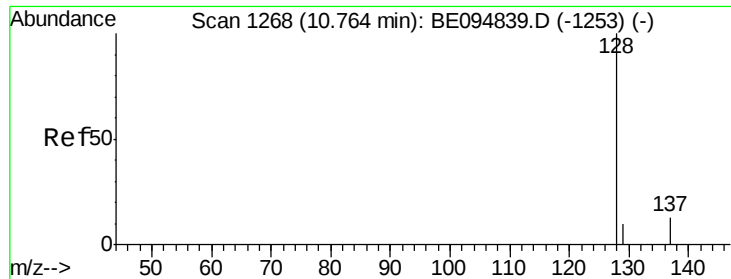
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.03 ng/ul

RT: 10.73 min Scan# 1261

Delta R.T. -0.03 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :

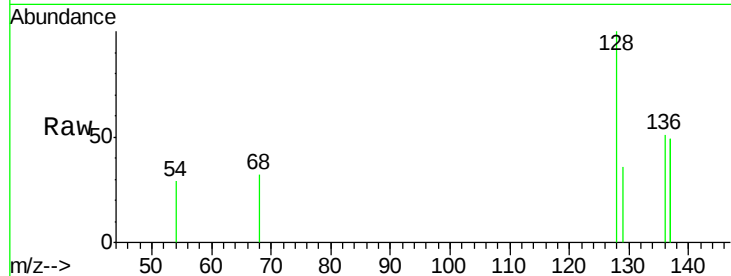
Tot Ion:128 Resp: 326

Ion Ratio Lower Upper

128 100

129 35.5 11.3 16.9#

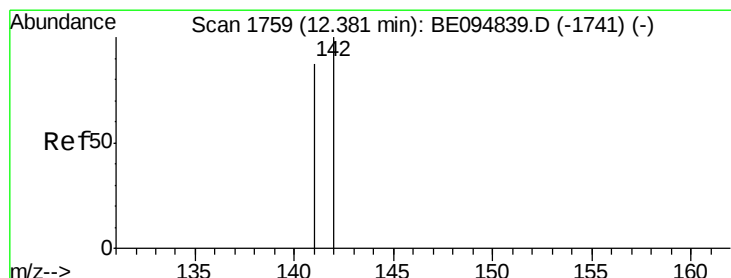
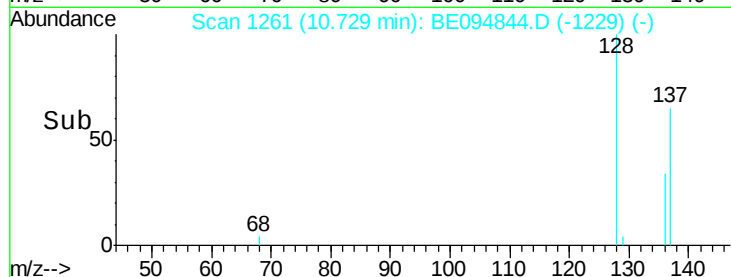
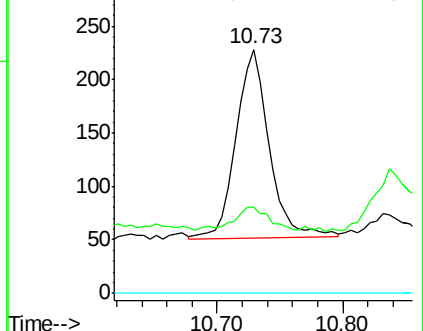
127 0.0 4.0 6.0#



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: 0.03 ng/ul

RT: 12.36 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BE094844.D

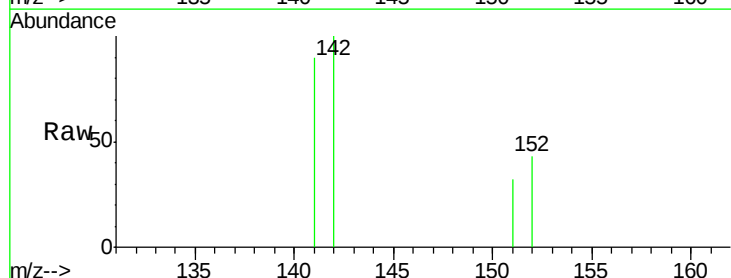
Acq: 22 Nov 2017 22:29

Tgt Ion:142 Resp: 280

Ion Ratio Lower Upper

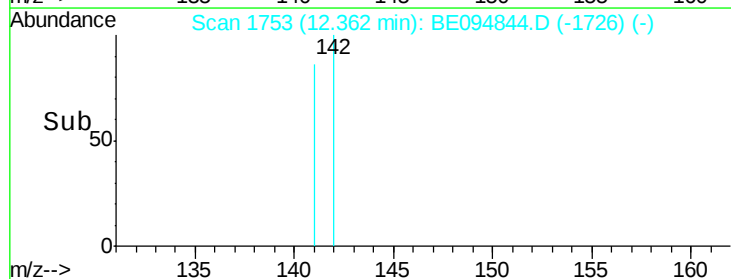
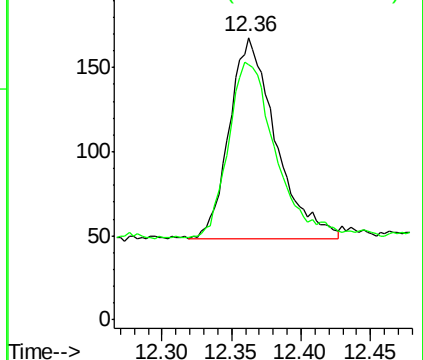
142 100

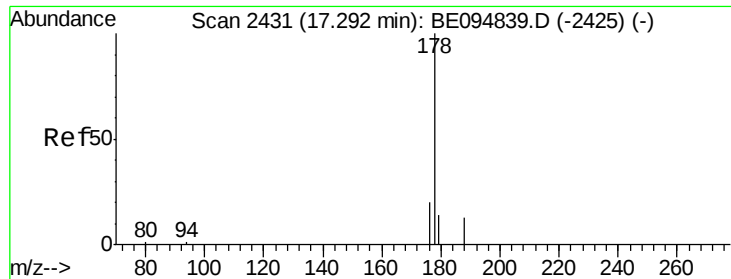
141 88.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.02 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :

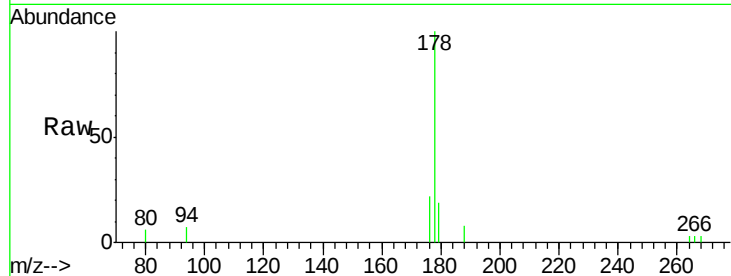
Tot Ion:178 Resp: 2273

Ion Ratio Lower Upper

178 100

179 18.6 18.4 27.6

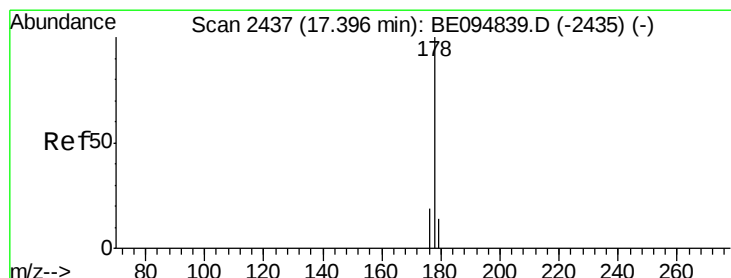
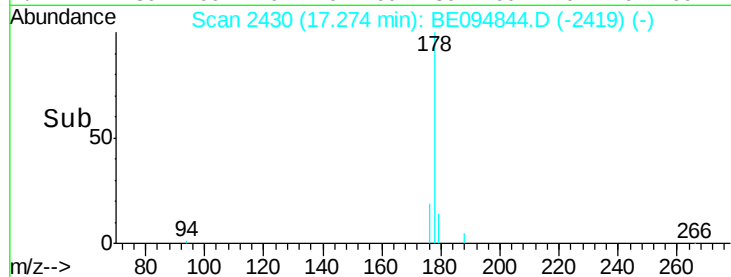
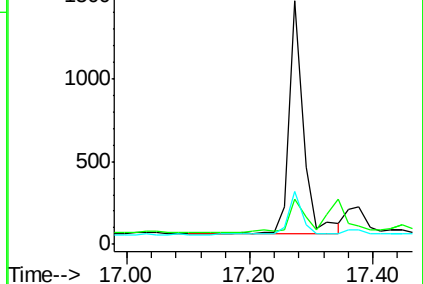
176 22.0 13.6 20.4#



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: 0.09 ng/ul

RT: 17.27 min Scan# 2430

Delta R.T. -0.12 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

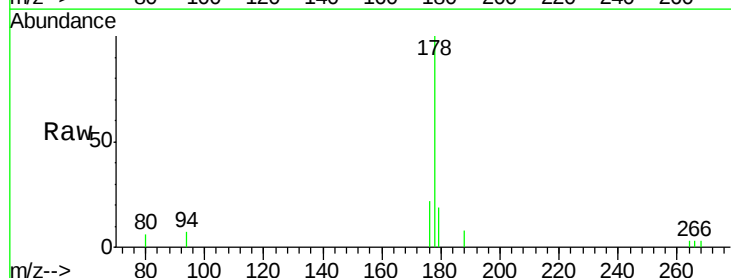
Tgt Ion:178 Resp: 2197

Ion Ratio Lower Upper

178 100

179 18.6 18.1 27.1

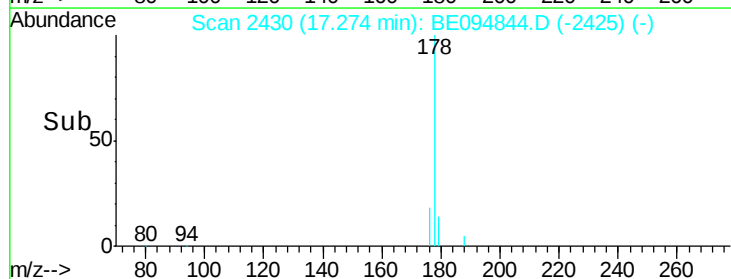
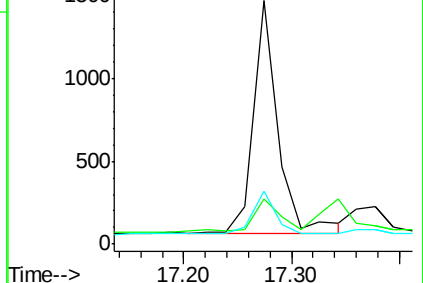
176 22.0 14.7 22.1

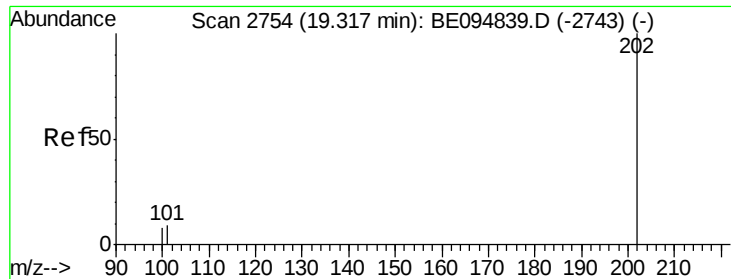


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.15 ng/ul

RT: 19.30 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE094844.D

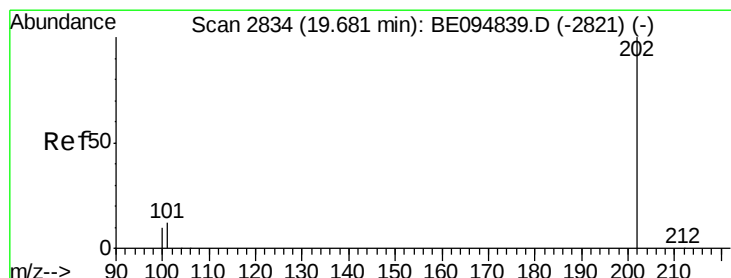
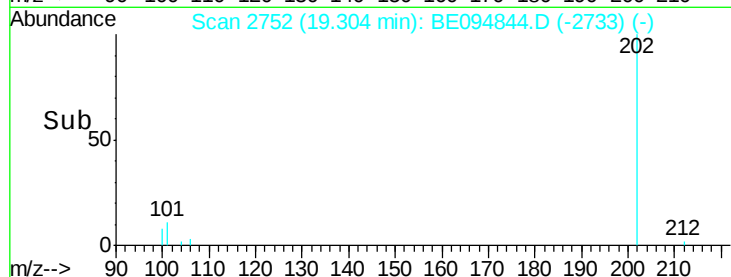
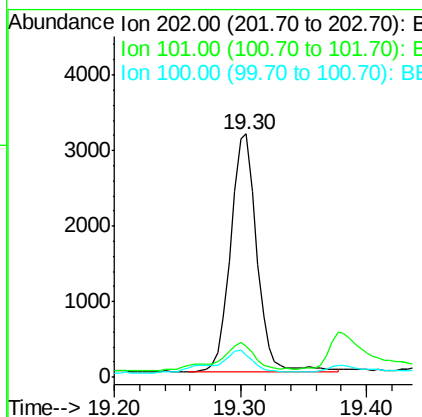
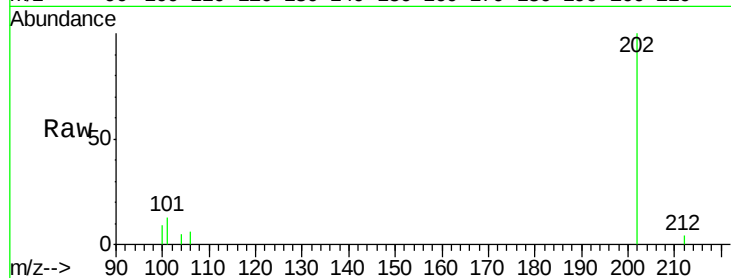
Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :

Tot Ion:202	Resp:	4513
Ion Ratio	Lower	Upper
202 100		
101 13.0	0.0	30.3
100 9.3	0.0	39.5



#17

Pyrene

Concen: 0.16 ng/ul

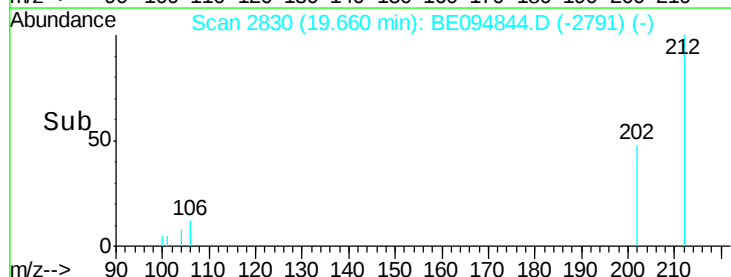
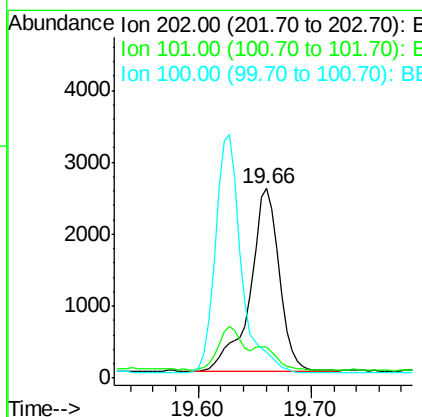
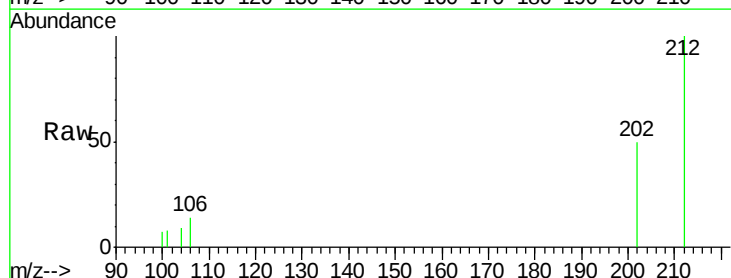
RT: 19.66 min Scan# 2830

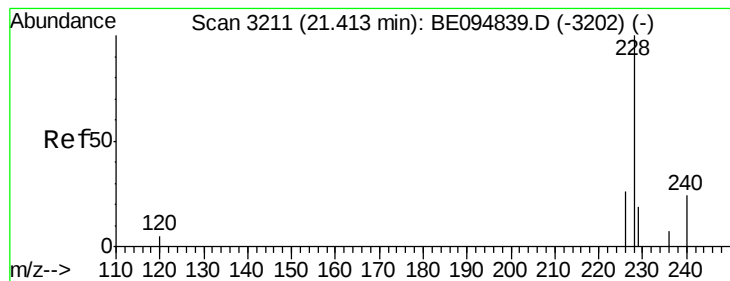
Delta R.T. -0.02 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Tgt Ion:202	Resp:	4513
Ion Ratio	Lower	Upper
202 100		
101 16.1	18.2	27.4#
100 13.6	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.01 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :

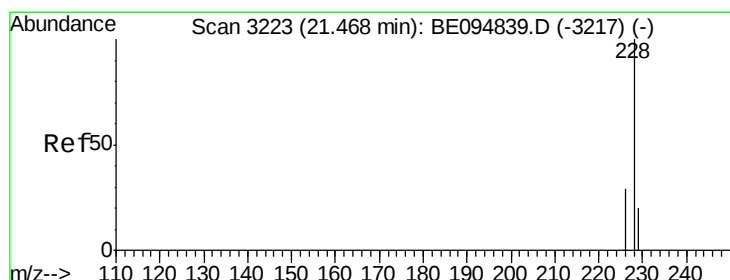
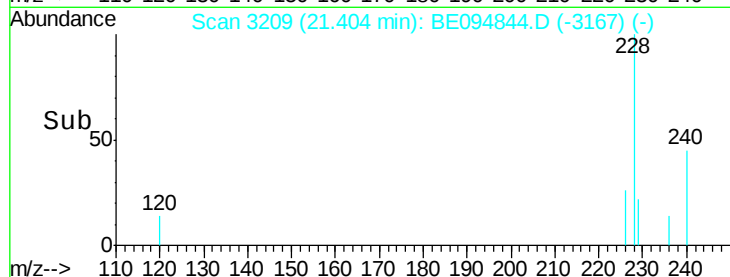
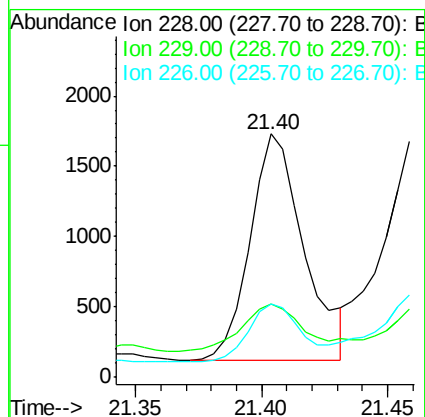
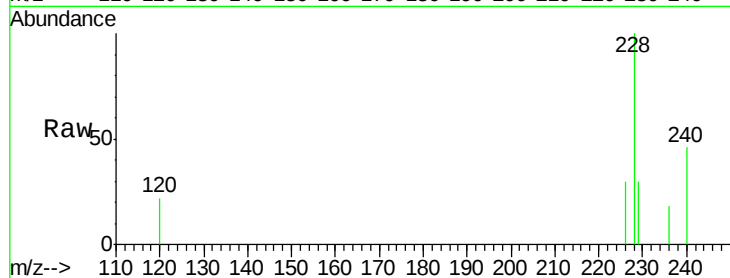
Tot Ion:228 Resp: 2403

Ion Ratio Lower Upper

228 100

229 30.2 22.8 34.2

226 30.1 17.0 25.6#



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

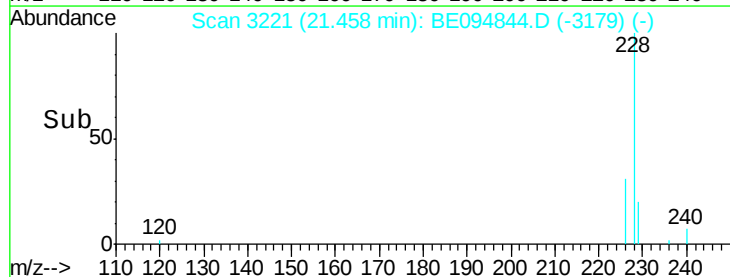
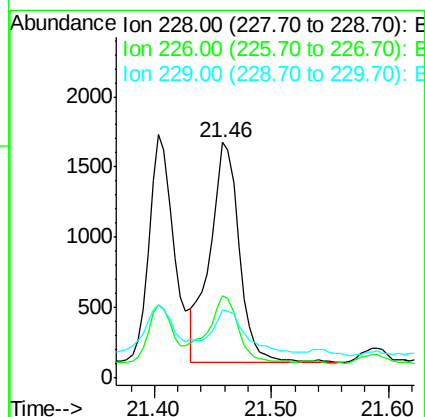
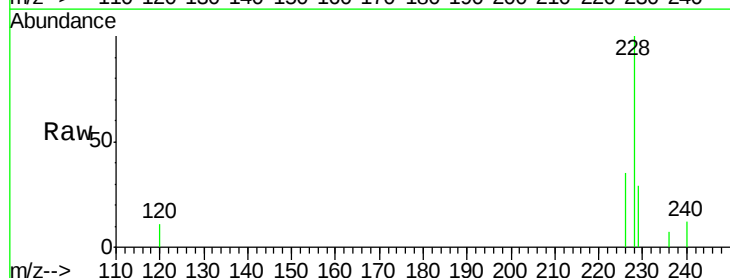
Tgt Ion:228 Resp: 2752

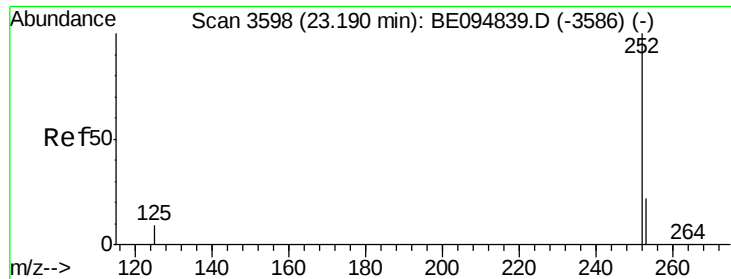
Ion Ratio Lower Upper

228 100

226 34.8 23.4 35.0

229 28.8 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.16 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :

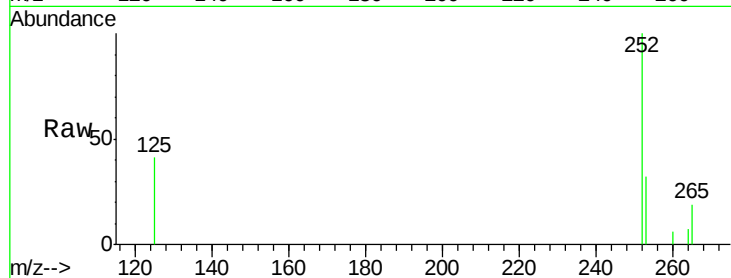
Tot Ion:252 Resp: 4501

Ion Ratio Lower Upper

252 100

253 32.1 0.0 64.2

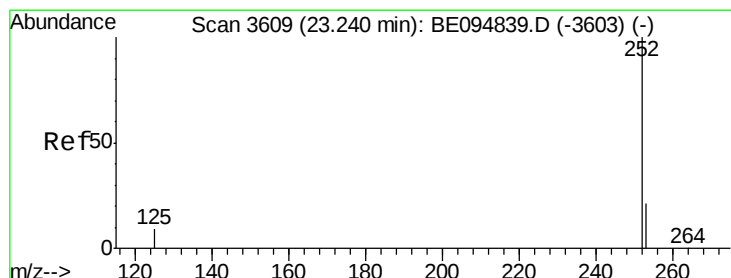
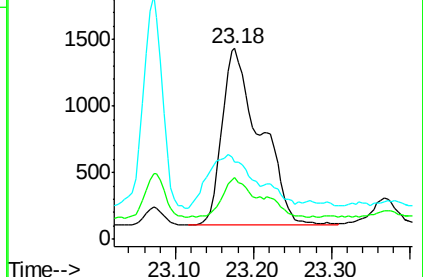
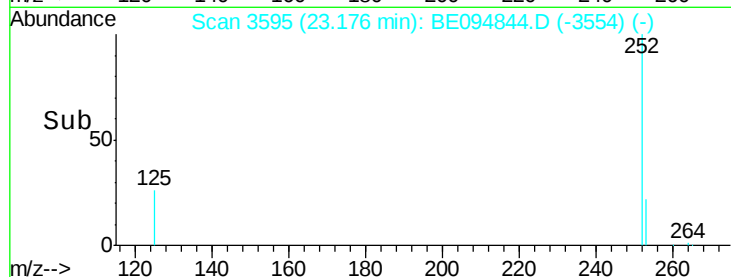
125 40.6 0.0 35.0#



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



#22

Benzo(k)fluoranthene

Concen: 0.15 ng/ul

RT: 23.18 min Scan# 3595

Delta R.T. -0.06 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

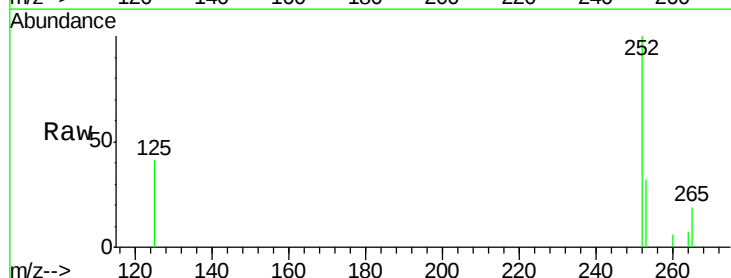
Tgt Ion:252 Resp: 4494

Ion Ratio Lower Upper

252 100

253 32.1 24.5 36.7

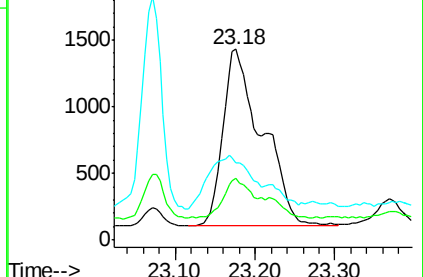
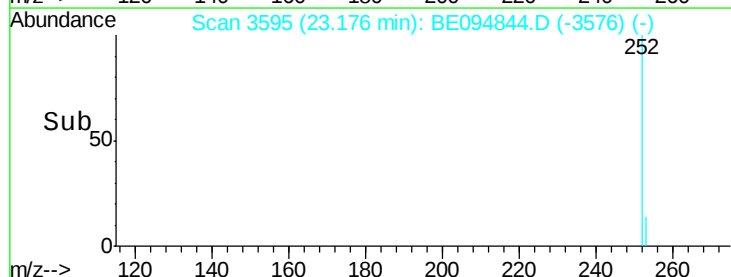
125 40.6 13.7 20.5#

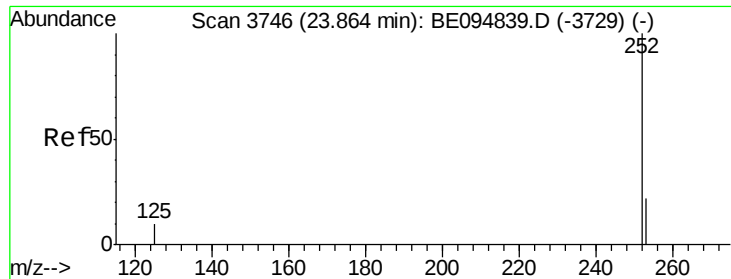


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. -0.03 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :

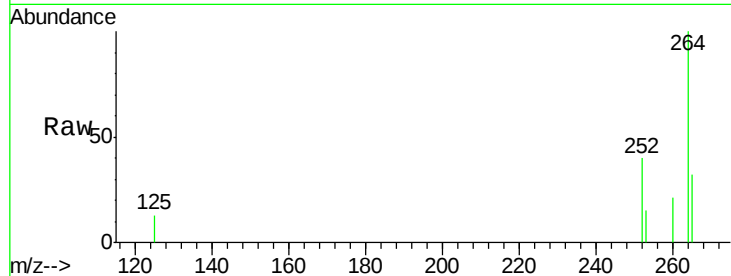
Tot Ion:252 Resp: 2056

Ion Ratio Lower Upper

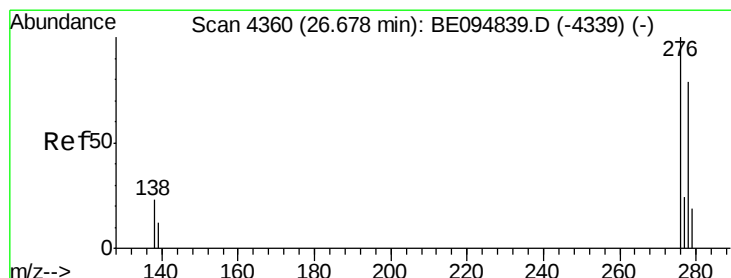
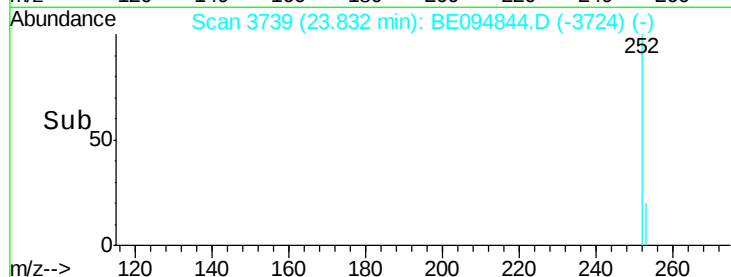
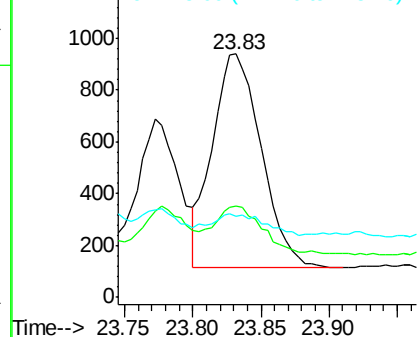
252 100

253 37.3 28.5 42.7

125 33.2 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng/ul

RT: 26.67 min Scan# 4358

Delta R.T. -0.01 min

Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

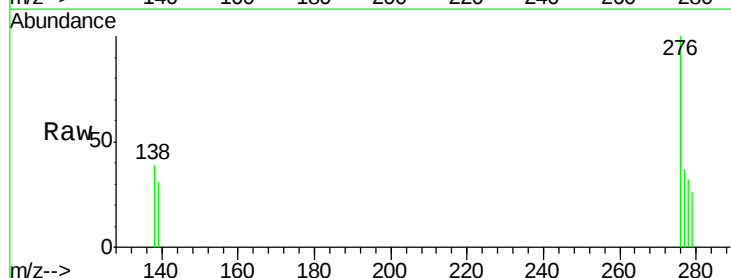
Tgt Ion:276 Resp: 1477

Ion Ratio Lower Upper

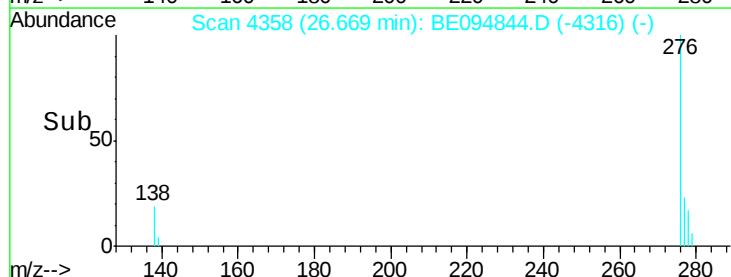
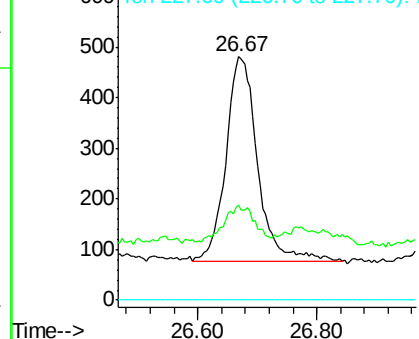
276 100

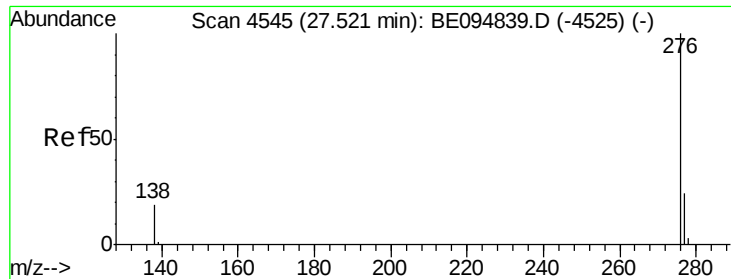
138 16.8 28.0 42.0#

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





#26

Benzo(a,h,i)perylene

Concen: 0.05 ng/ul

RT: 27.51 min Scan# 4543

Delta R.T. -0.01 min

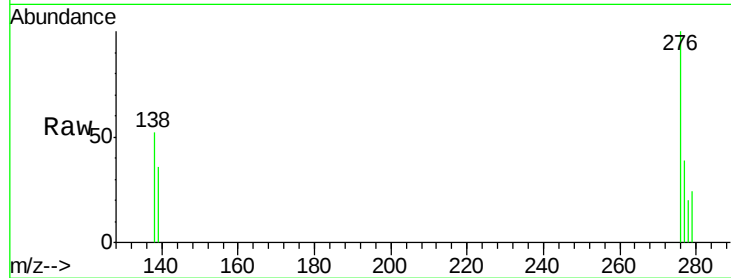
Lab File: BE094844.D

Acq: 22 Nov 2017 22:29

Instrument :

BNA_E

ClientSampleId :



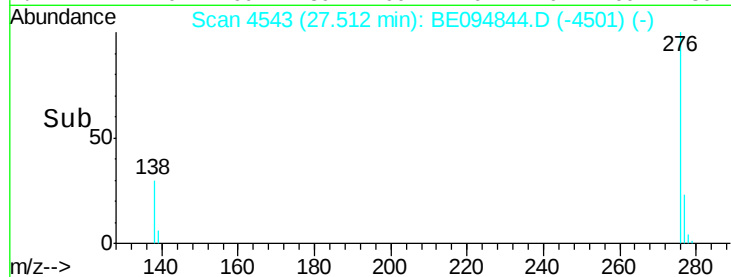
Tot Ion: 276 Resp: 1368

Ion Ratio Lower Upper

276 100

138 51.9 21.8 32.8#

277 38.8 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

