

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094287.D
 Acq On : 11 Oct 2017 19:51
 Operator : SJ/JU
 Sample : I5490-02DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 12 07:36:01 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration

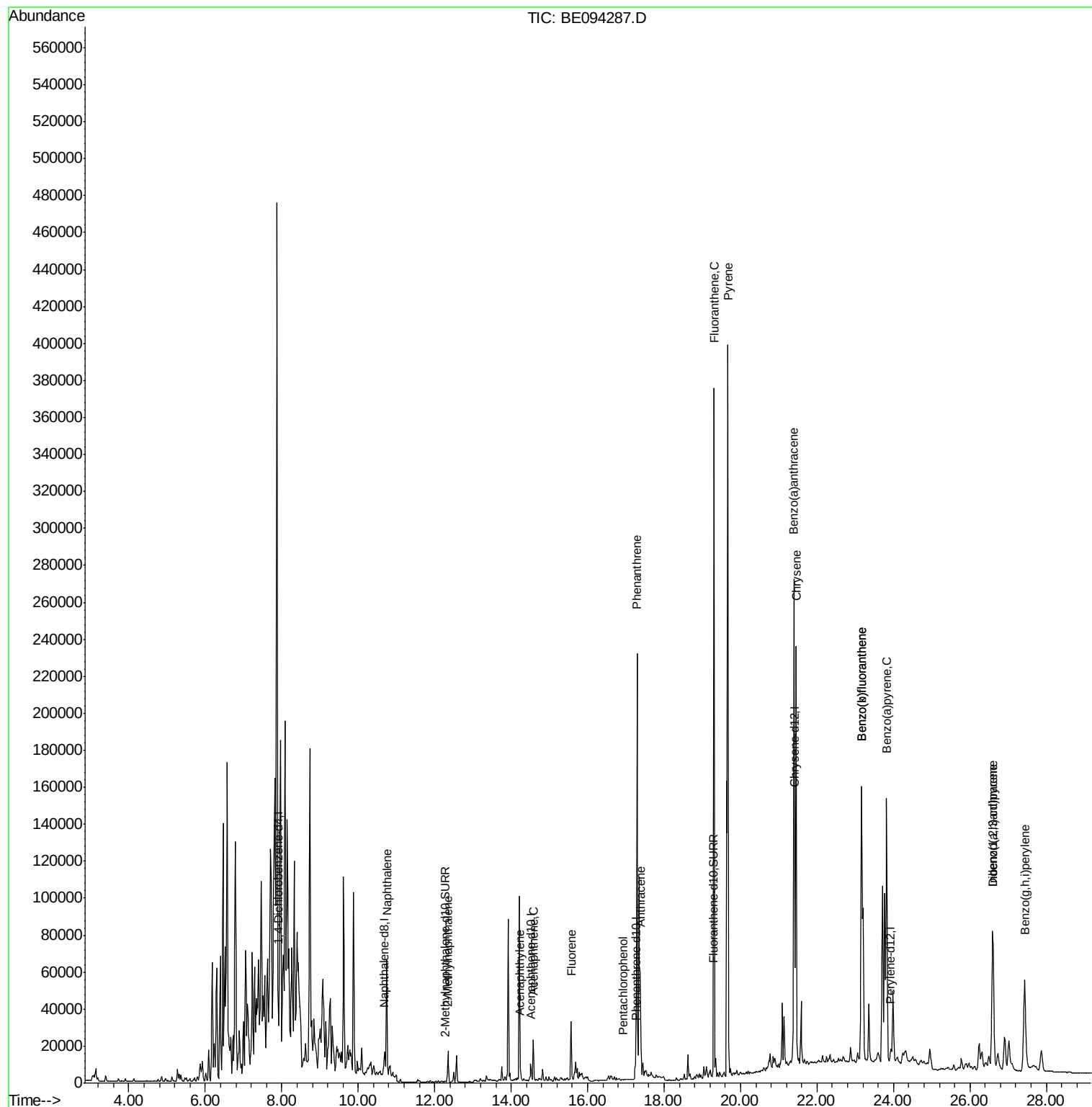
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	3027	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	9729	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	5629	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11049	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	11061	0.40	ng/ul	0.00
20) Perylene-d12	23.93	264	11114	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	938	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1810	0.05	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	97634	4.097	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	14308	0.926	ng/ul	98
7) Acenaphthylene	14.24	152	7882	0.359	ng/ul#	94
8) Acenaphthene	14.58	153	13343	0.739	ng/ul	98
9) Fluorene	15.57	166	21416	1.012	ng/ul	95
11) Pentachlorophenol	16.93	266	37	0.029	ng/ul#	61
12) Phenanthrene	17.29	178	248621	8.611	ng/ul#	90
13) Anthracene	17.38	178	65091	2.318	ng/ul#	91
15) Fluoranthene	19.31	202	429645	11.325	ng/ul	84
17) Pyrene	19.67	202	429920	13.970	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	245231	8.357	ng/ul#	89
19) Chrysene	21.45	228	232806	6.870	ng/ul	99
21) Benzo(b)fluoranthene	23.16	252	384779	12.745	ng/ul	89
22) Benzo(k)fluoranthene	23.16	252	384747	11.025	ng/ul#	91
23) Benzo(a)pyrene	23.82	252	215665	6.874	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.60	276	140583	4.380	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.60	278	38540	1.432	ng/ul#	92
26) Benzo(g,h,i)perylene	27.44	276	129650	4.684	ng/ul	99

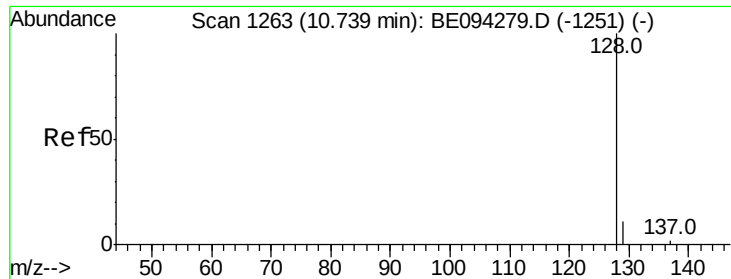
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.097 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampleId :

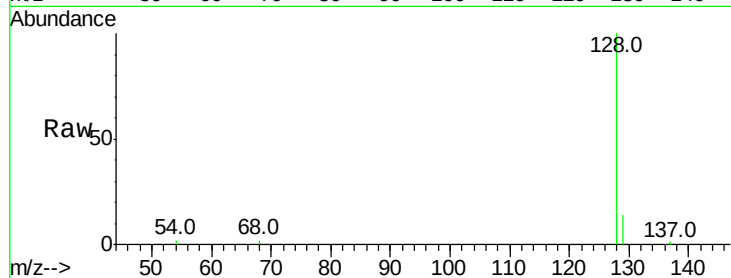
Tot Ion:128 Resp: 97634

Ion Ratio Lower Upper

128 100

129 13.9 11.3 16.9

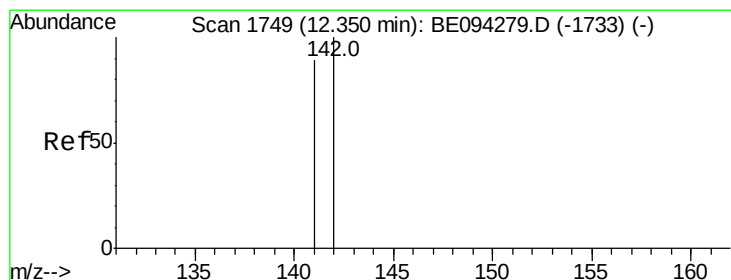
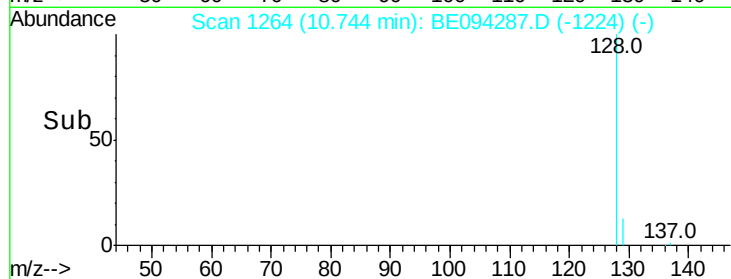
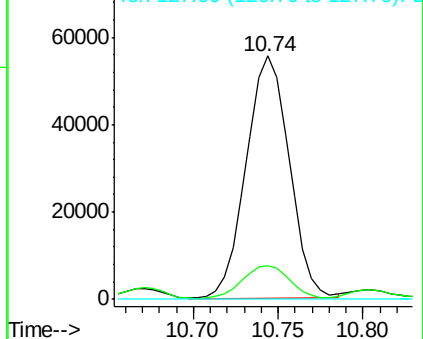
127 0.0 4.0 6.0#



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: 0.926 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BE094287.D

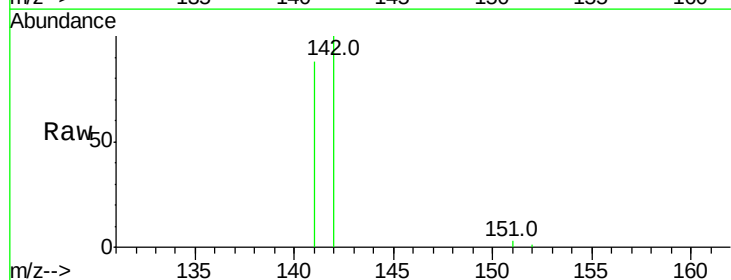
Acq: 11 Oct 2017 19:51

Tgt Ion:142 Resp: 14308

Ion Ratio Lower Upper

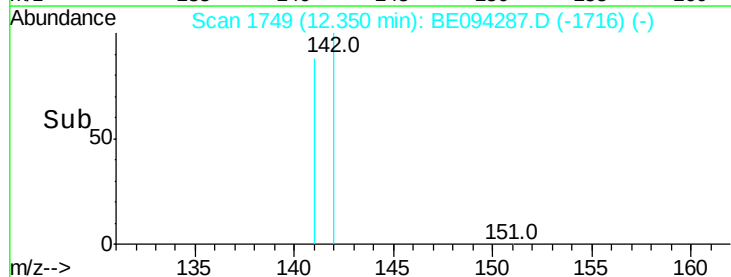
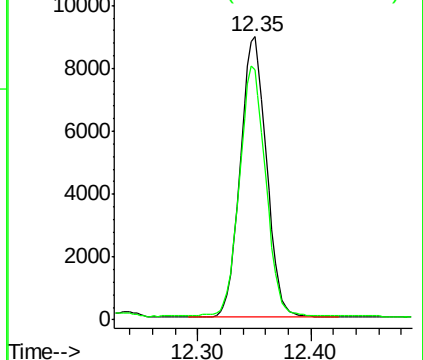
142 100

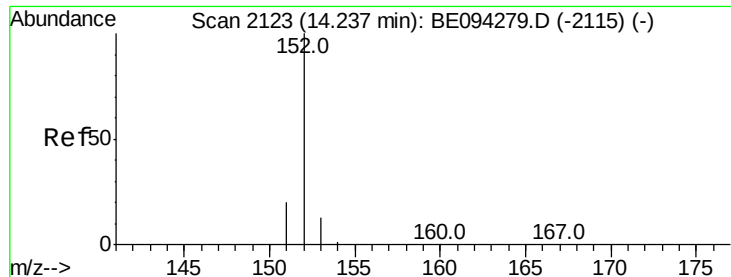
141 89.2 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.359 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

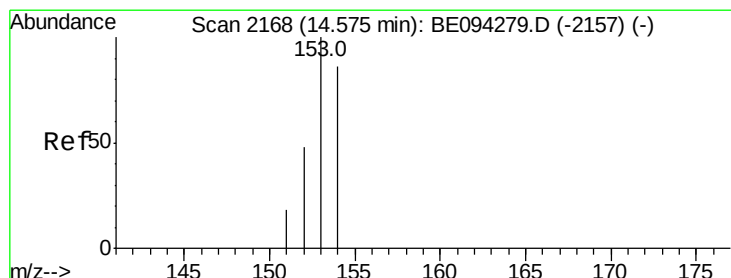
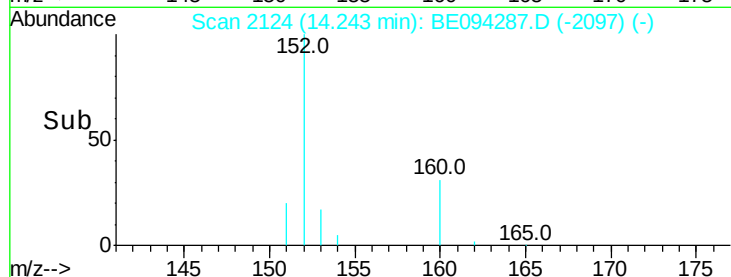
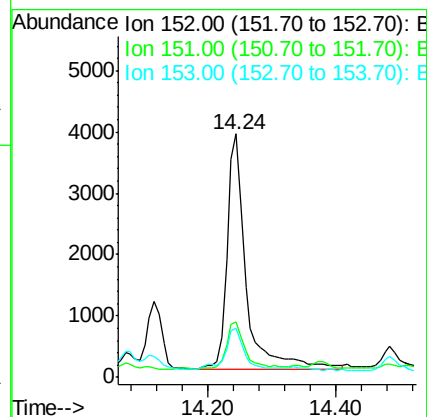
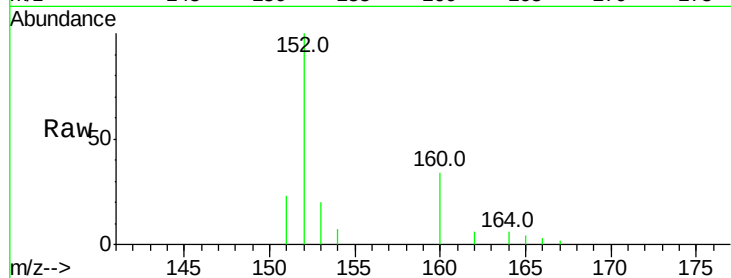
Instrument :

BNA_E

ClientSampleId :

Tot Ion:152 Resp: 7882

Ion	Ratio	Lower	Upper
152	100		
151	22.7	17.1	25.7
153	20.1	12.8	19.2



#8

Acenaphthene

Concen: 0.739 ng/ul

RT: 14.58 min Scan# 2169

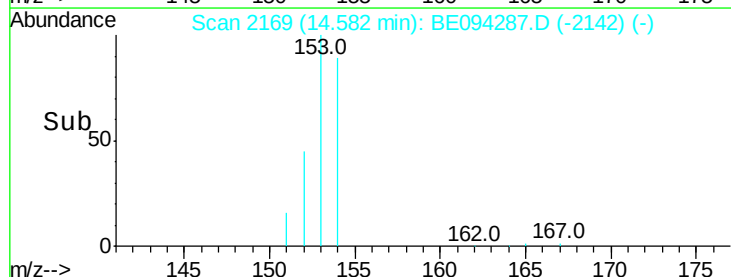
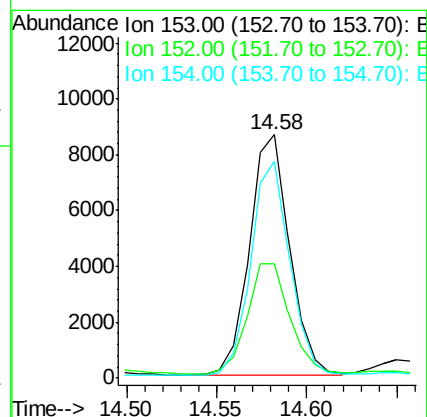
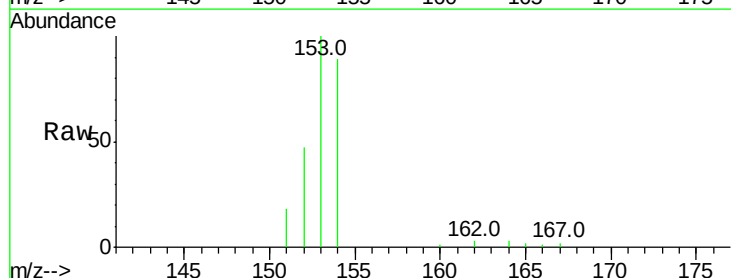
Delta R.T. 0.01 min

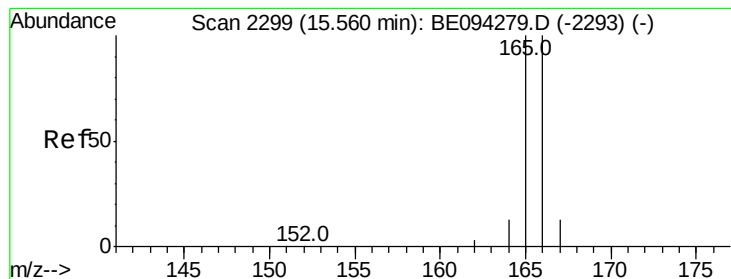
Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Tgt Ion:153 Resp: 13343

Ion	Ratio	Lower	Upper
153	100		
152	46.8	40.3	60.5
154	89.1	71.4	107.2





#9

Fluorene

Concen: 1.012 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampleId :

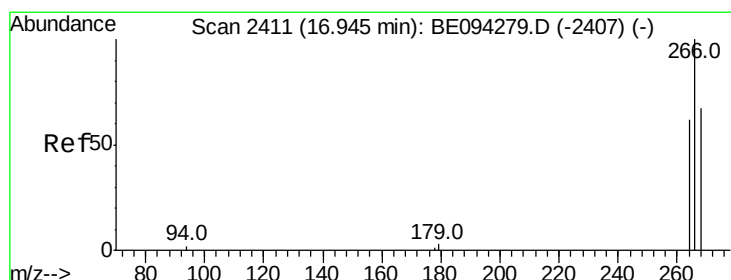
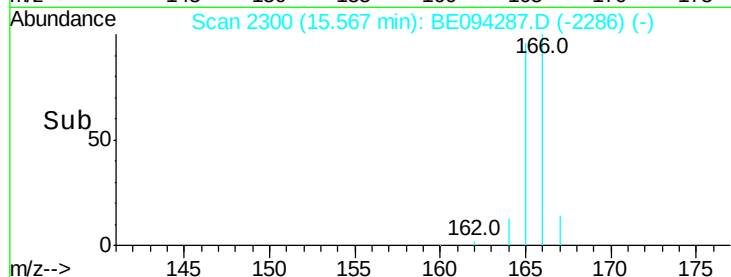
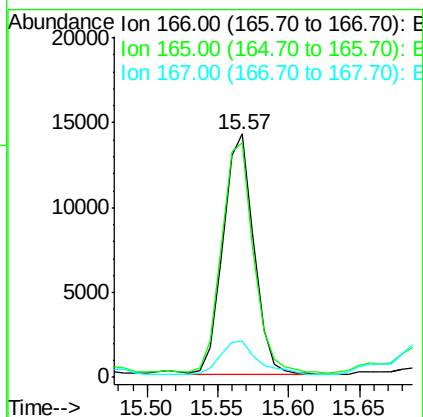
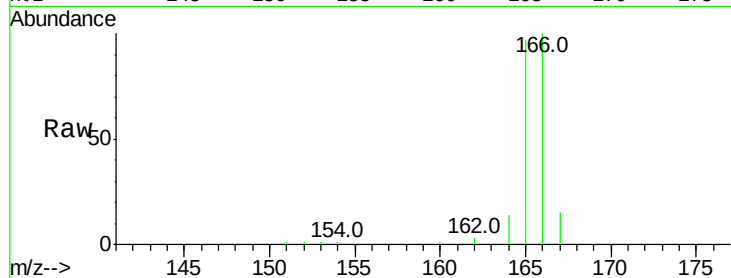
Tot Ion:166 Resp: 21416

Ion Ratio Lower Upper

166 100

165 96.6 73.4 110.2

167 14.8 14.6 22.0



#11

Pentachlorophenol

Concen: 0.029 ng/ul

RT: 16.93 min Scan# 2410

Delta R.T. -0.02 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

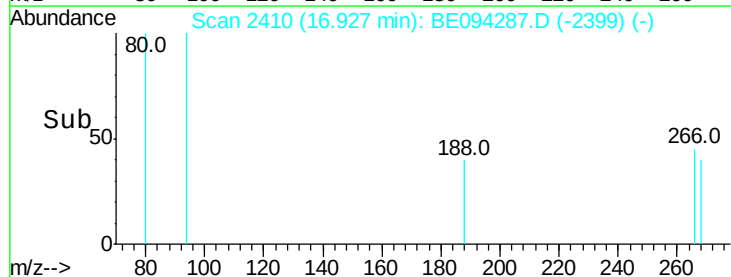
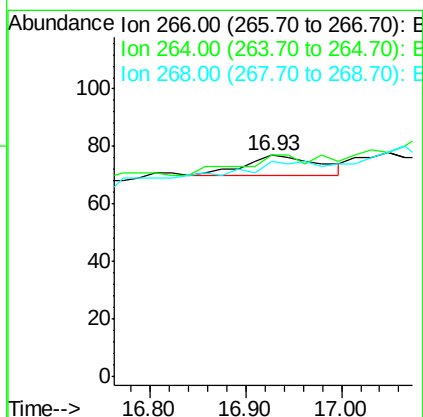
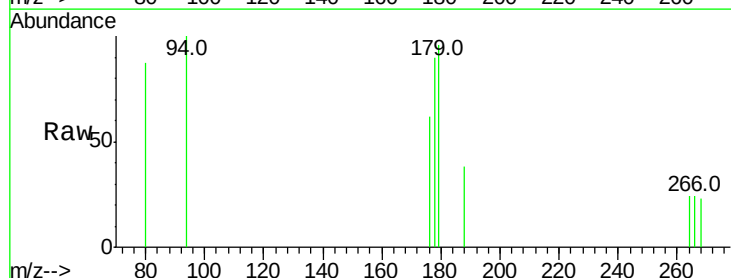
Tgt Ion:266 Resp: 37

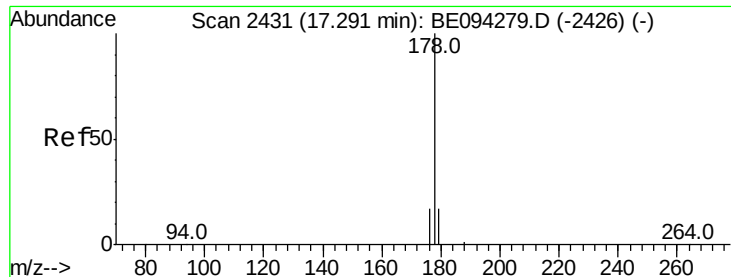
Ion Ratio Lower Upper

266 100

264 83.8 47.9 71.9#

268 97.3 49.8 74.8#





#12

Phenanthrene

Concen: 8.611 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampleId :

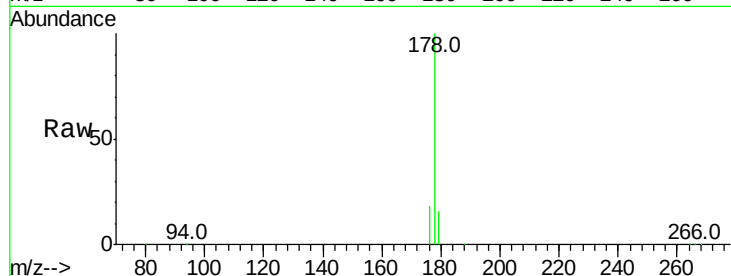
Tot Ion:178 Resp: 248621

Ion Ratio Lower Upper

178 100

179 15.8 18.4 27.6#

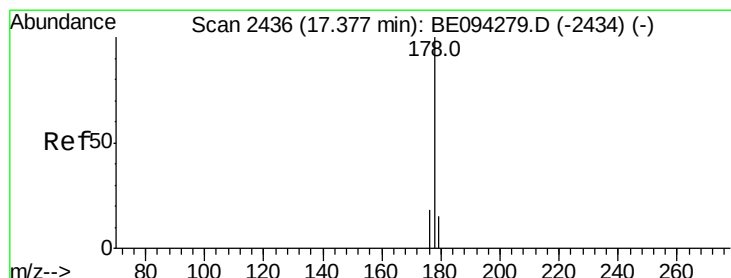
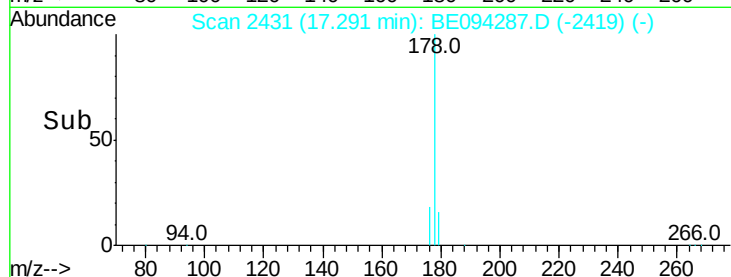
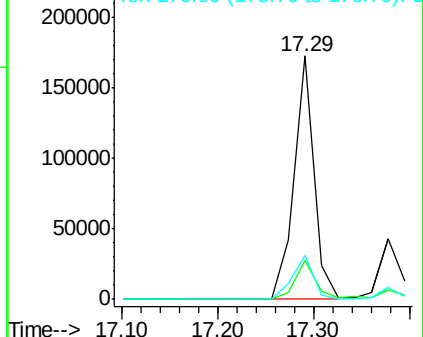
176 18.3 13.6 20.4



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: 2.318 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

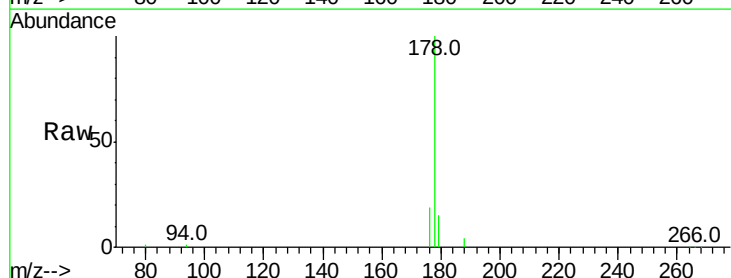
Tgt Ion:178 Resp: 65091

Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

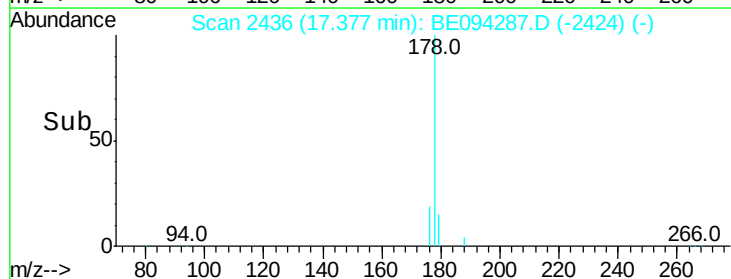
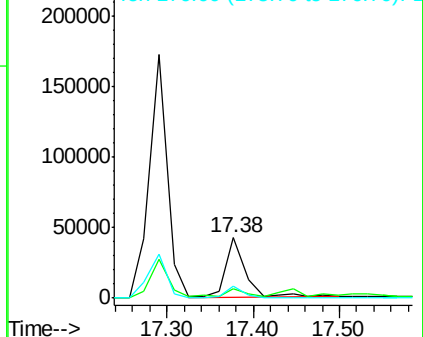
176 19.4 14.7 22.1

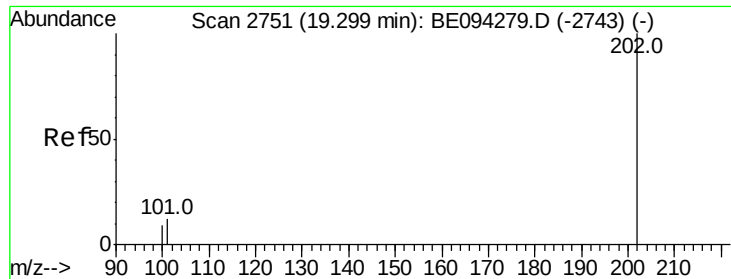


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 11.325 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampleId :

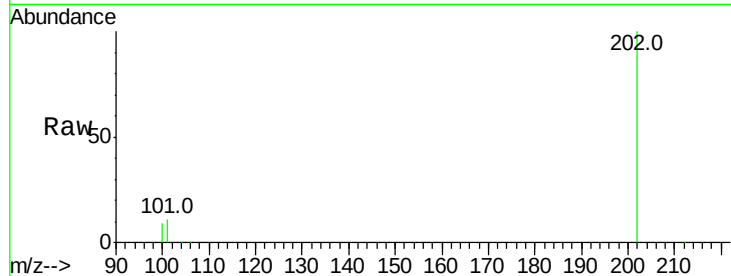
Tot Ion:202 Resp: 429645

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.3

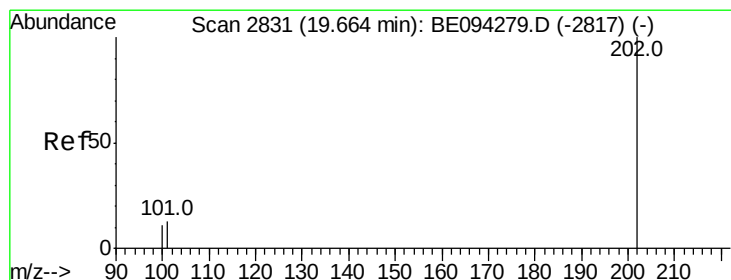
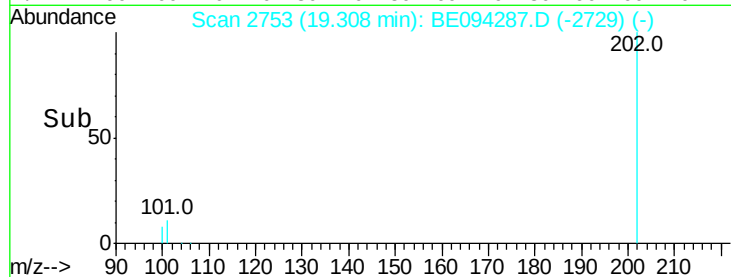
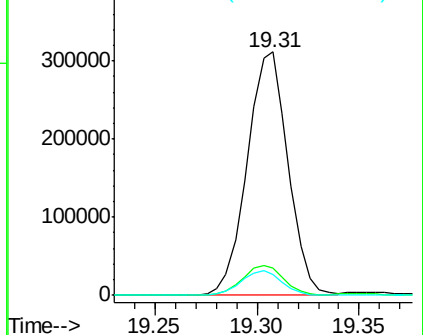
100 8.6 0.0 39.5



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: 13.970 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

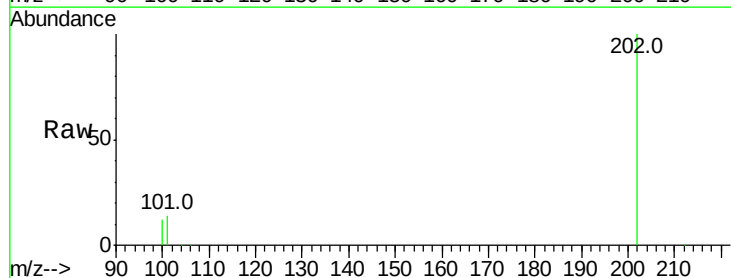
Tgt Ion:202 Resp: 429920

Ion Ratio Lower Upper

202 100

101 13.9 18.2 27.4#

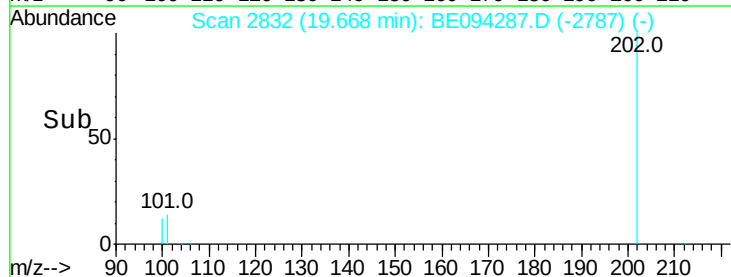
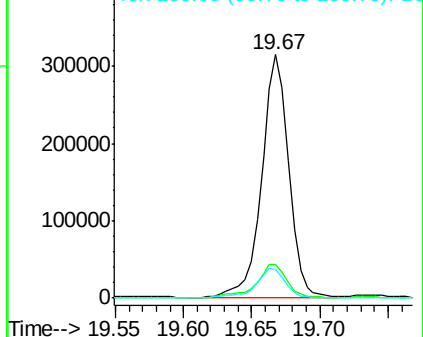
100 12.0 15.6 23.4#

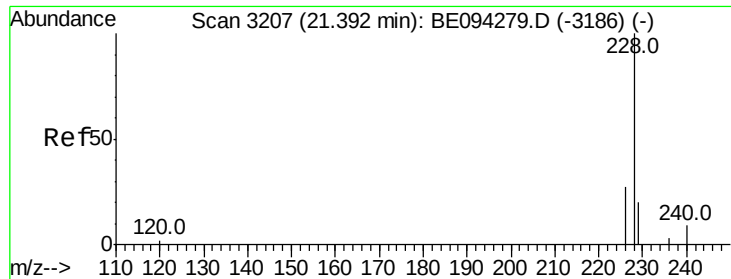


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 8.357 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampled :

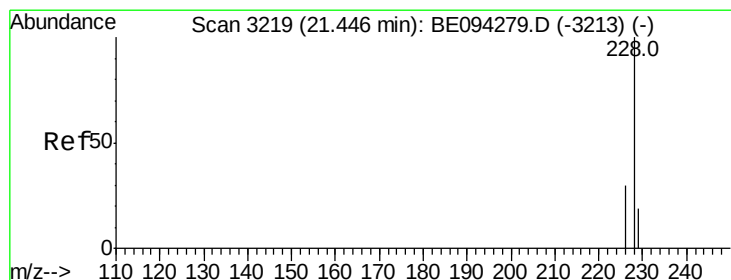
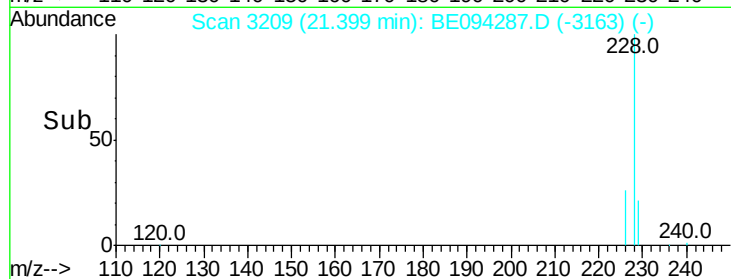
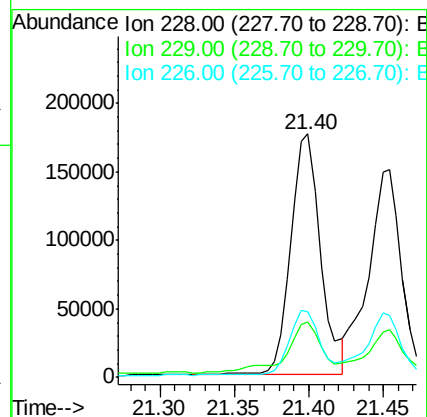
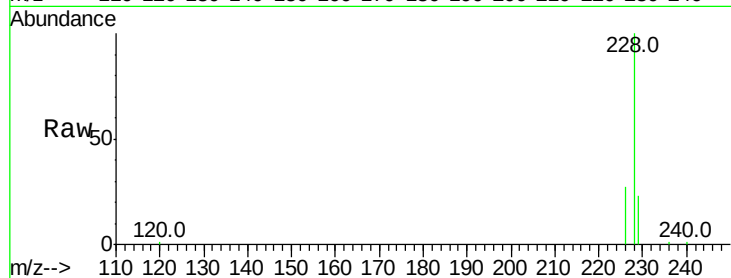
Tot Ion:228 Resp: 245231

Ion Ratio Lower Upper

228 100

229 22.8 22.8 34.2#

226 27.1 17.0 25.6#



#19

Chrysene

Concen: 6.870 ng/ul

RT: 21.45 min Scan# 3221

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

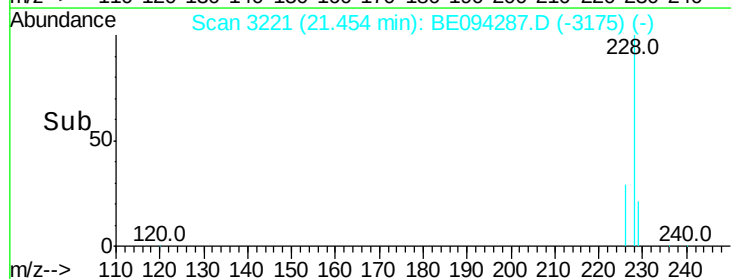
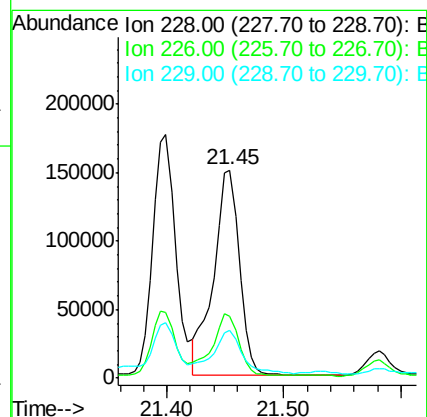
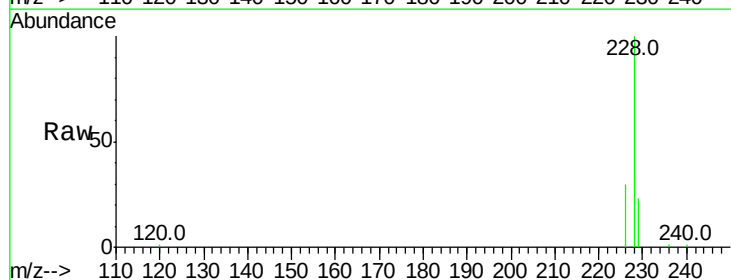
Tgt Ion:228 Resp: 232806

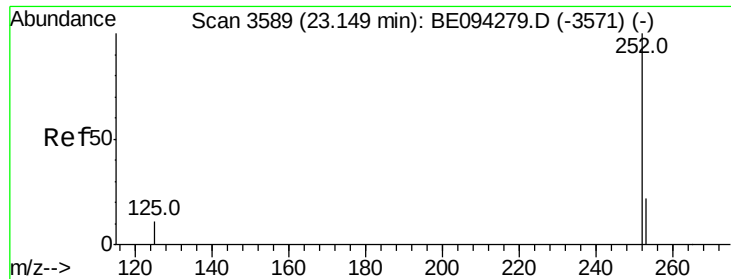
Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

229 22.8 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 12.745 ng/ul

RT: 23.16 min Scan# 3593

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampleId :

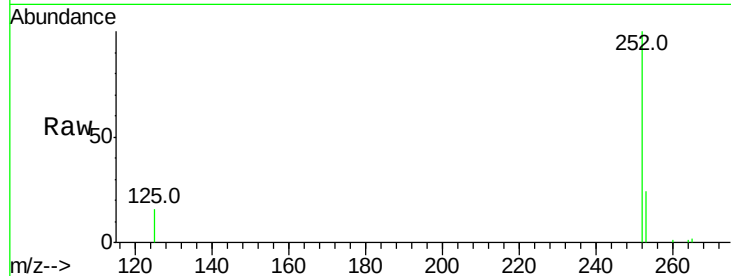
Tot Ion:252 Resp: 384779

Ion Ratio Lower Upper

252 100

253 23.6 0.0 64.2

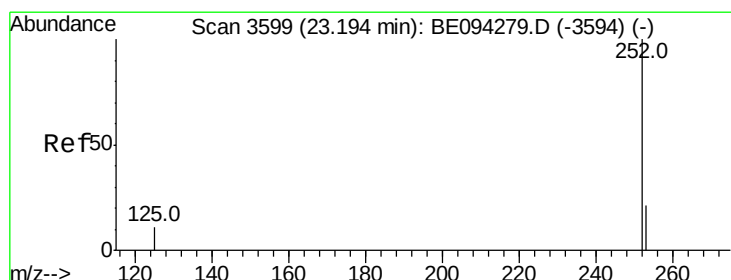
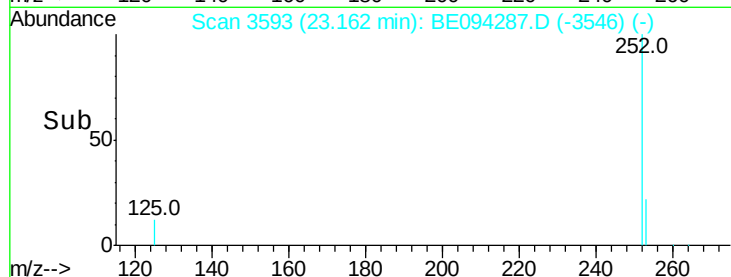
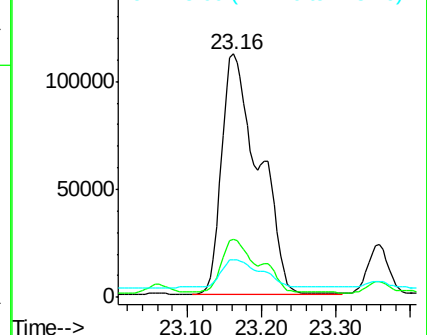
125 15.6 0.0 35.0



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: 11.025 ng/ul

RT: 23.16 min Scan# 3593

Delta R.T. -0.03 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

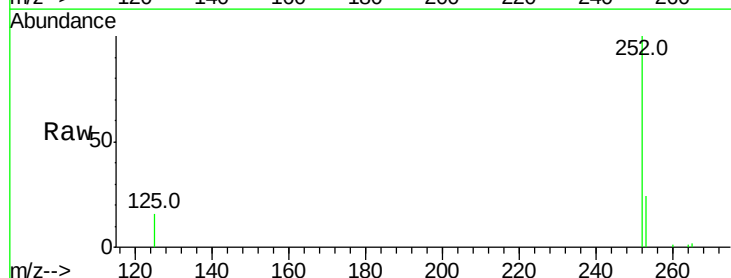
Tgt Ion:252 Resp: 384747

Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

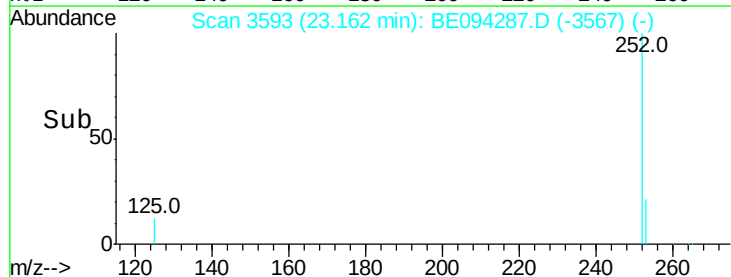
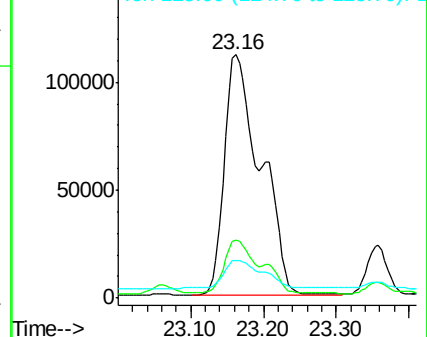
125 15.6 13.7 20.5

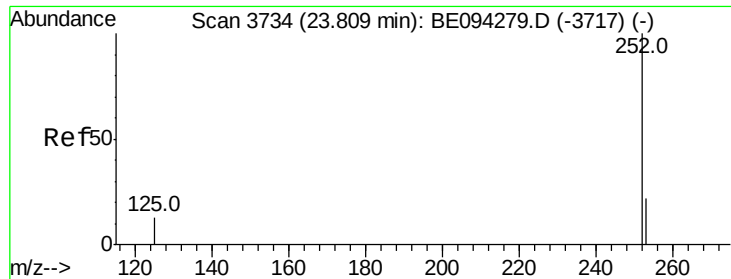


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 6.874 ng/ul

RT: 23.82 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

Instrument :

BNA_E

ClientSampleId :

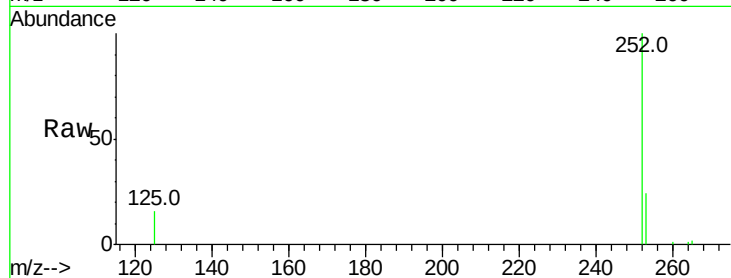
Tot Ion:252 Resp: 215665

Ion Ratio Lower Upper

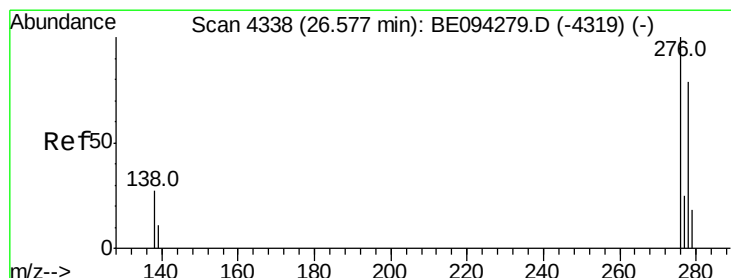
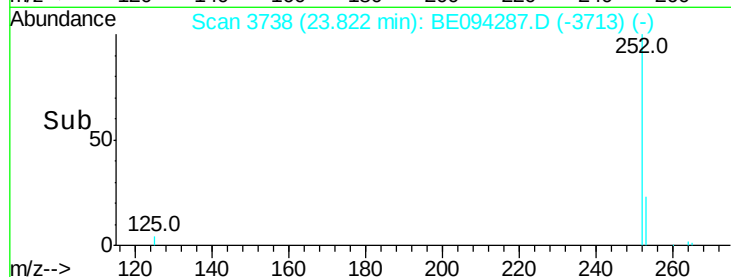
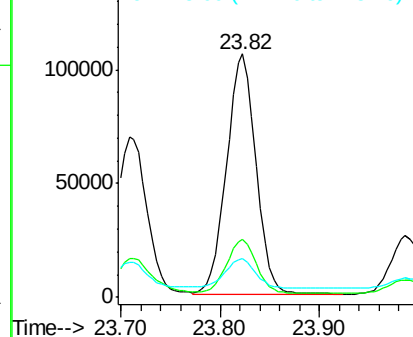
252 100

253 23.9 28.5 42.7#

125 15.8 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: 4.380 ng/ul

RT: 26.60 min Scan# 4344

Delta R.T. 0.02 min

Lab File: BE094287.D

Acq: 11 Oct 2017 19:51

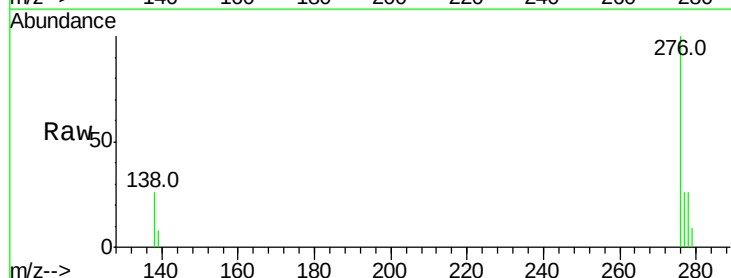
Tgt Ion:276 Resp: 140583

Ion Ratio Lower Upper

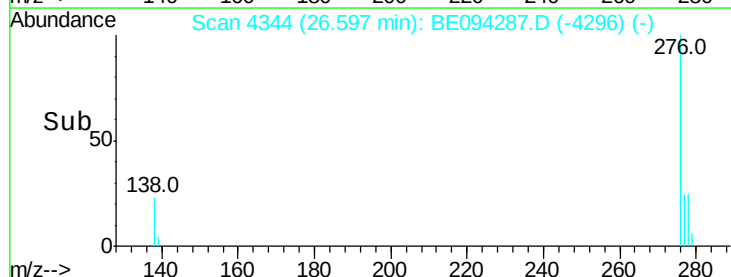
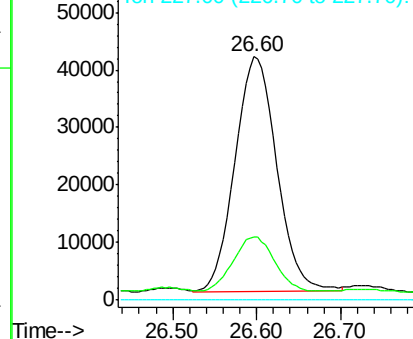
276 100

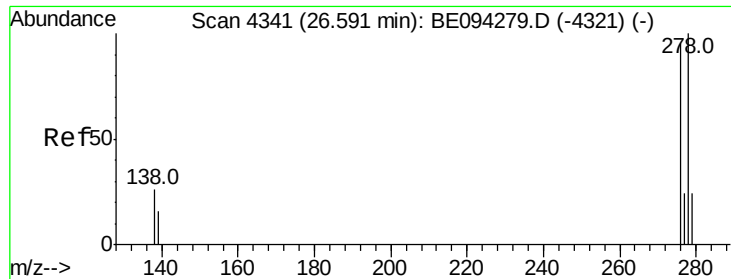
138 22.9 28.0 42.0#

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



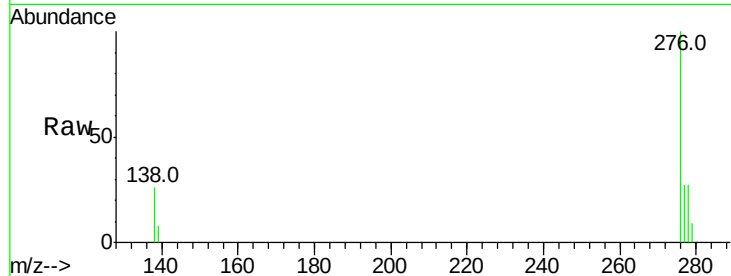


#25
Dibenzo(a,h)anthracene
Concen: 1.432 ng/ul
RT: 26.60 min Scan# 4345
Delta R.T. 0.01 min
Lab File: BE094287.D
Acq: 11 Oct 2017 19:51

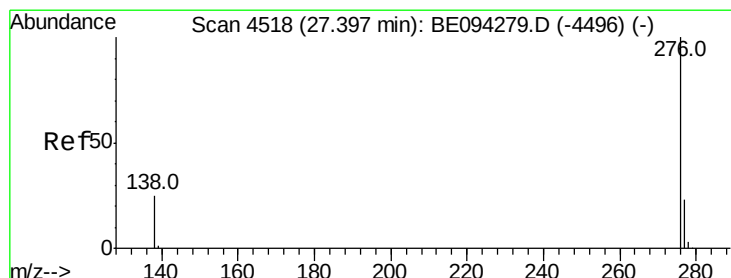
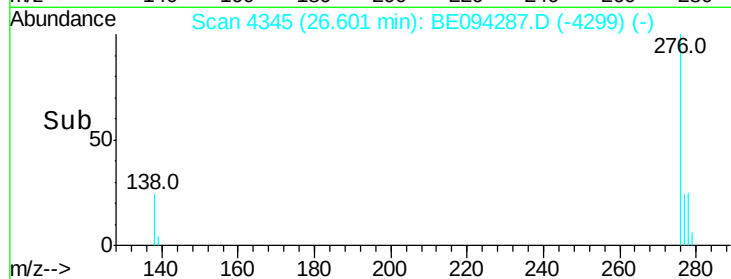
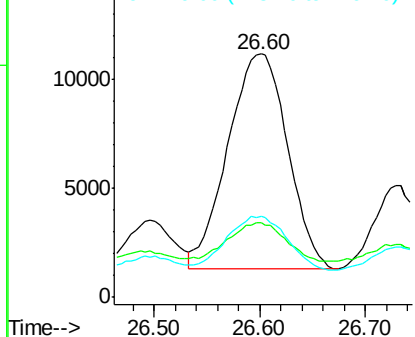
Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 38540

Ion	Ratio	Lower	Upper
278	100		
139	30.6	17.4	26.0#
279	33.2	25.9	38.9



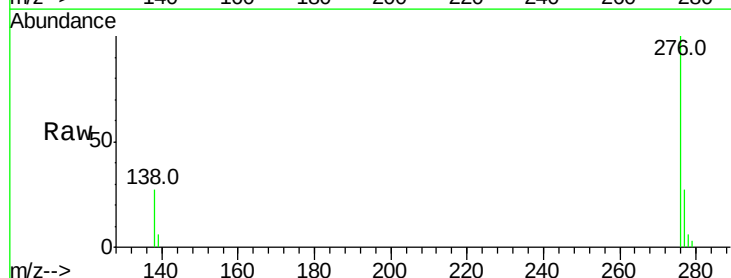
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 4.684 ng/ul
RT: 27.44 min Scan# 4528
Delta R.T. 0.04 min
Lab File: BE094287.D
Acq: 11 Oct 2017 19:51

Tgt Ion:276 Resp: 129650

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.8
277	26.5	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

