

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095309.D
 Acq On : 31 Jan 2018 10:12
 Operator : SJ/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 31 11:47:13 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 08:16:13 2018
 Response via : Initial Calibration

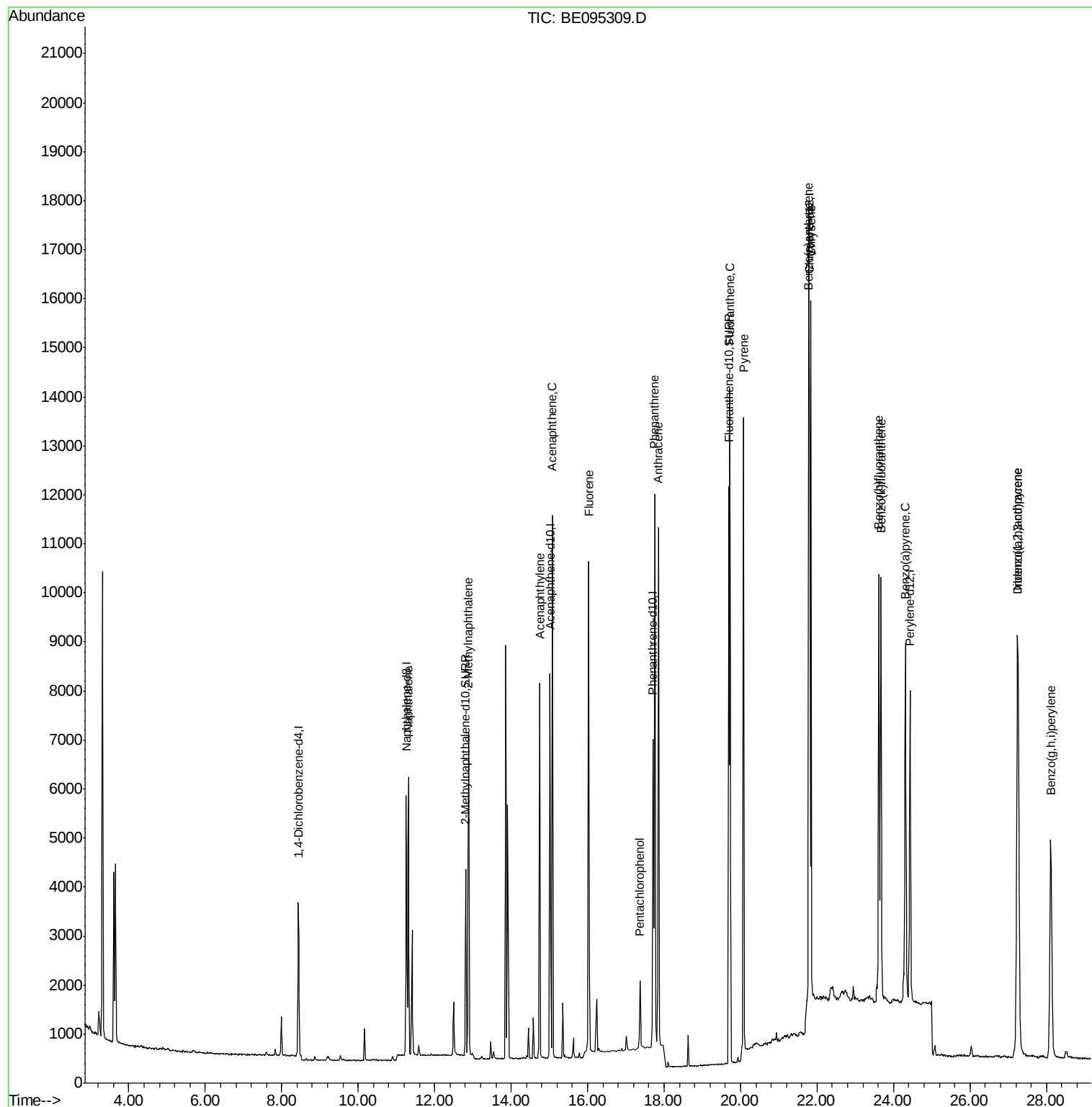
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2247	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	6978	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	4180	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.71	188	9445	0.40	ng/ul	0.00
16) Chrysene-d12	21.80	240	10021	0.40	ng/ul	0.00
20) Perylene-d12	24.44	264	9628	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	4792	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.70	212	13356	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	7799	0.399	ng/ul#	89
5) 2-Methylnaphthalene	12.89	142	5559	0.426	ng/ul	99
7) Acenaphthylene	14.75	152	8679	0.431	ng/ul	96
8) Acenaphthene	15.08	153	6355	0.407	ng/ul	95
9) Fluorene	16.03	166	7123	0.443	ng/ul#	81
11) Pentachlorophenol	17.36	266	925	0.506	ng/ul	97
12) Phenanthrene	17.75	178	12816	0.403	ng/ul#	90
13) Anthracene	17.85	178	12372	0.426	ng/ul#	93
15) Fluoranthene	19.72	202	14854	0.361	ng/ul	84
17) Pyrene	20.08	202	16948	0.504	ng/ul#	77
18) Benzo(a)anthracene	21.79	228	13663	0.436	ng/ul#	86
19) Chrysene	21.84	228	13015	0.400	ng/ul	96
21) Benzo(b)fluoranthene	23.62	252	12825	0.378	ng/ul	87
22) Benzo(k)fluoranthene	23.67	252	12292	0.396	ng/ul#	88
23) Benzo(a)pyrene	24.31	252	12174	0.401	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	27.24	276	13627	0.410	ng/ul#	79
25) Dibenzo(a,h)anthracene	27.26	278	11148	0.410	ng/ul#	90
26) Benzo(g,h,i)perylene	28.11	276	11396	0.405	ng/ul	93

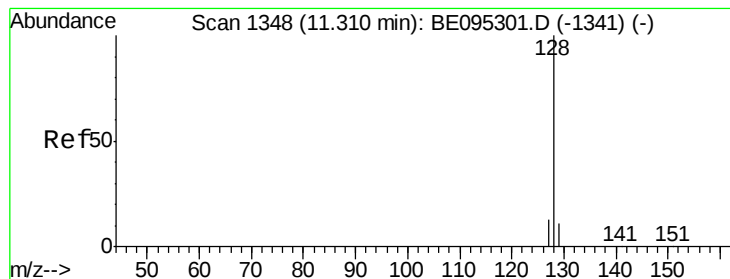
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.399 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

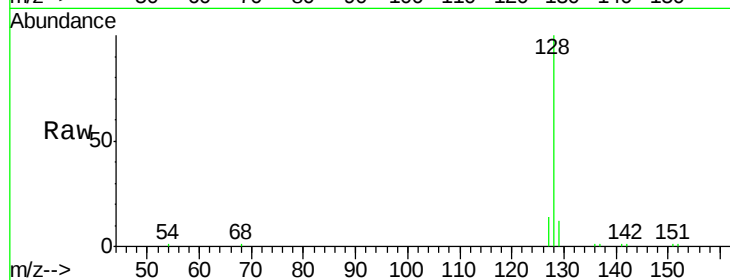
Tot Ion:128 Resp: 7799

Ion Ratio Lower Upper

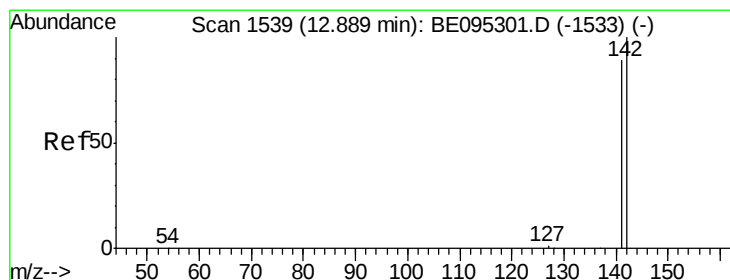
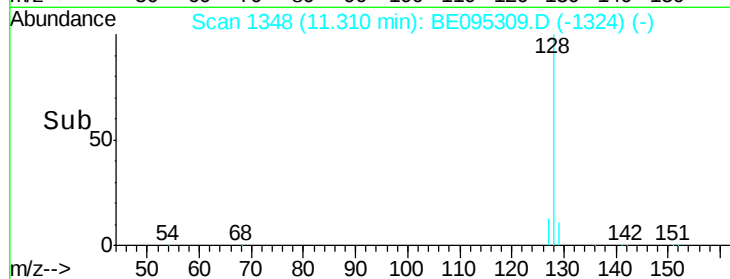
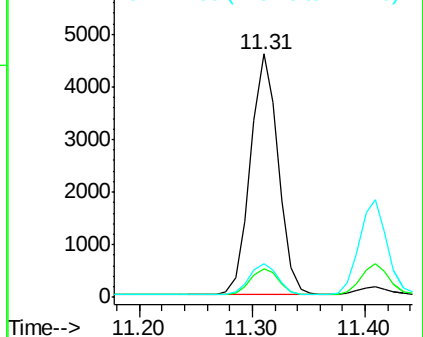
128 100

129 11.8 11.3 16.9

127 13.9 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: 0.426 ng/ul

RT: 12.89 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE095309.D

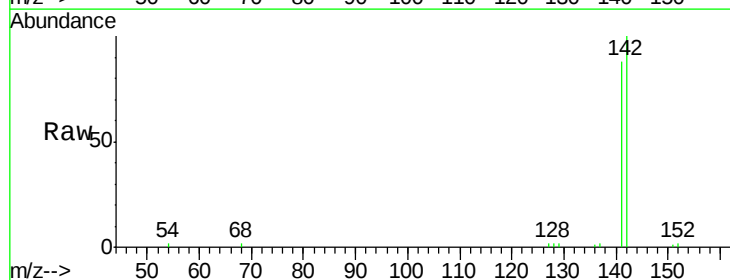
Acq: 31 Jan 2018 10:12

Tgt Ion:142 Resp: 5559

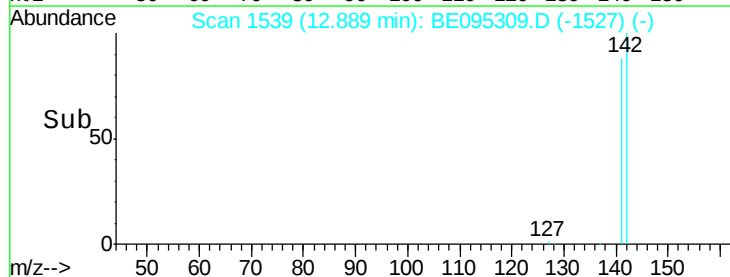
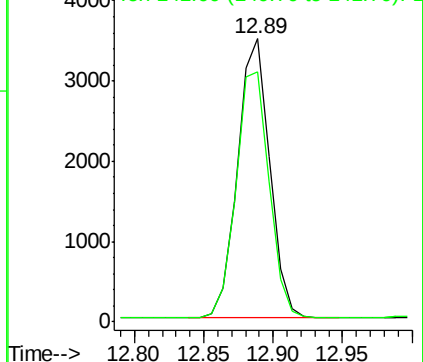
Ion Ratio Lower Upper

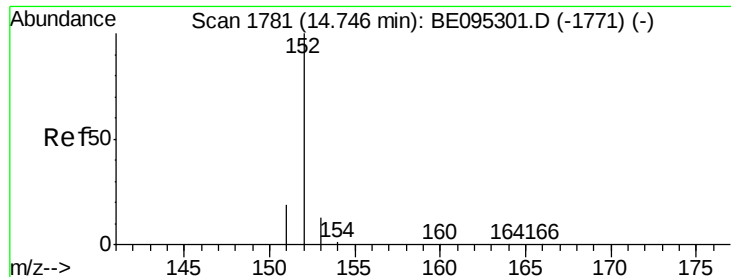
142 100

141 91.4 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: 0.431 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

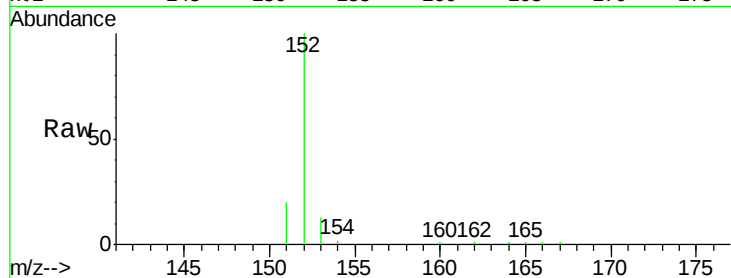
Tot Ion:152 Resp: 8679

Ion Ratio Lower Upper

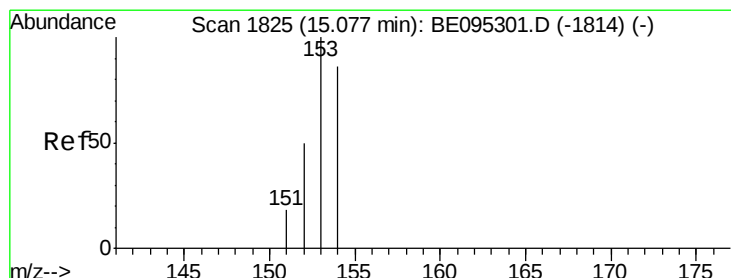
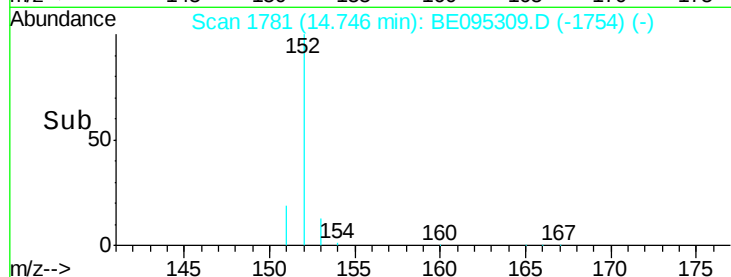
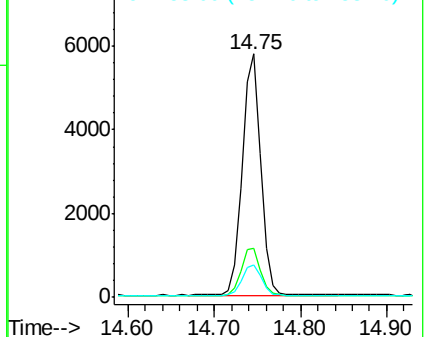
152 100

151 19.9 17.1 25.7

153 13.5 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: 0.407 ng/ul

RT: 15.08 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

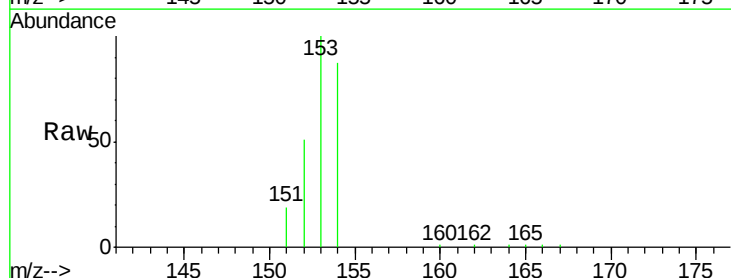
Tgt Ion:153 Resp: 6355

Ion Ratio Lower Upper

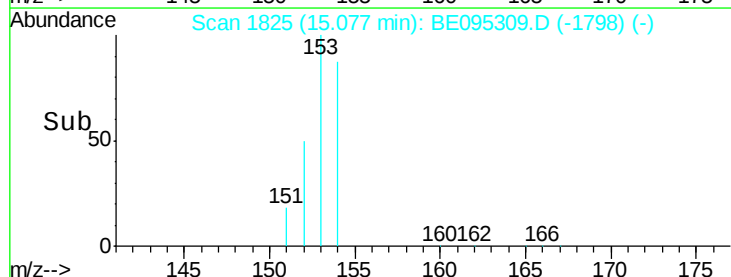
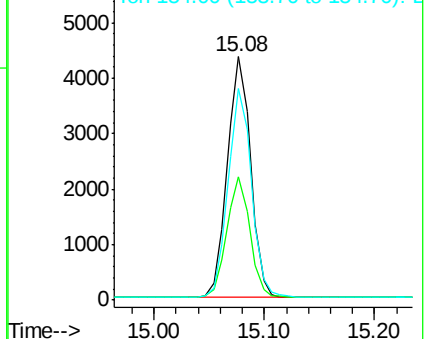
153 100

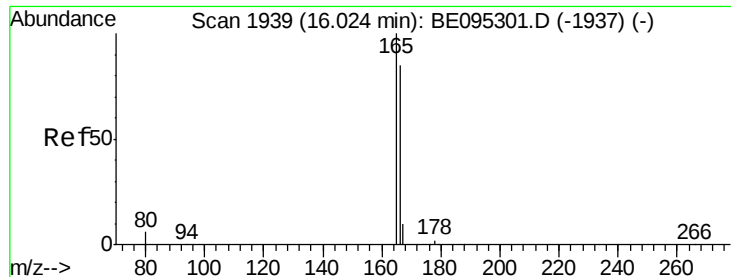
152 50.5 36.0 54.0

154 86.7 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





#9

Fluorene

Concen: 0.443 ng/ul

RT: 16.03 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

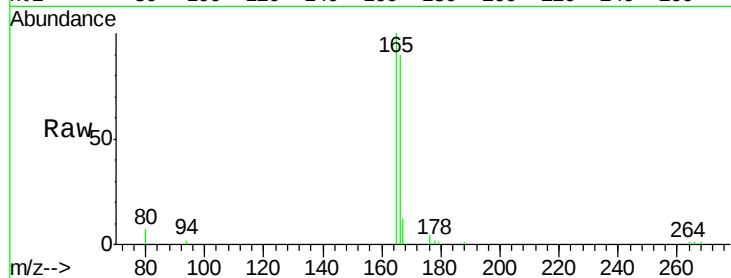
Tot Ion:166 Resp: 7123

Ion Ratio Lower Upper

166 100

165 111.6 73.4 110.2#

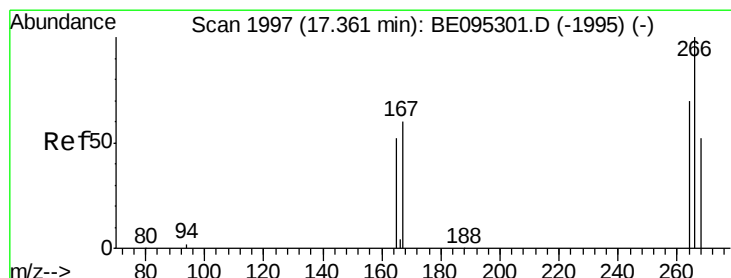
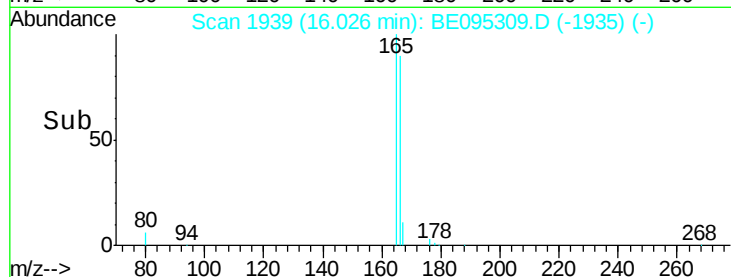
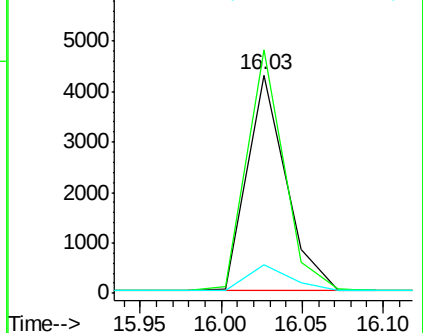
167 12.9 14.6 22.0#



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



#11

Pentachlorophenol

Concen: 0.506 ng/ul

RT: 17.36 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

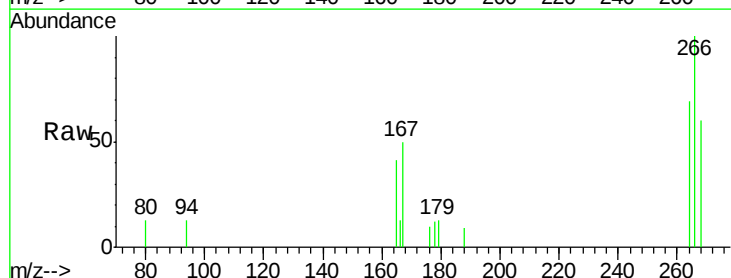
Tgt Ion:266 Resp: 925

Ion Ratio Lower Upper

266 100

264 62.4 47.9 71.9

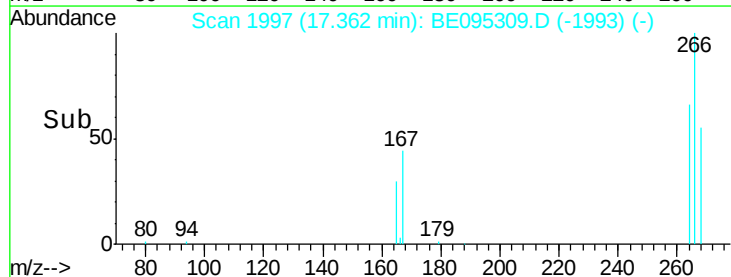
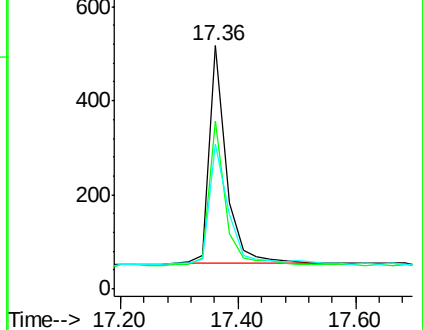
268 60.4 49.8 74.8

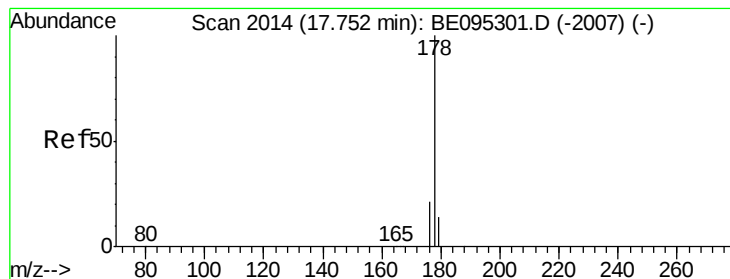


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.403 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

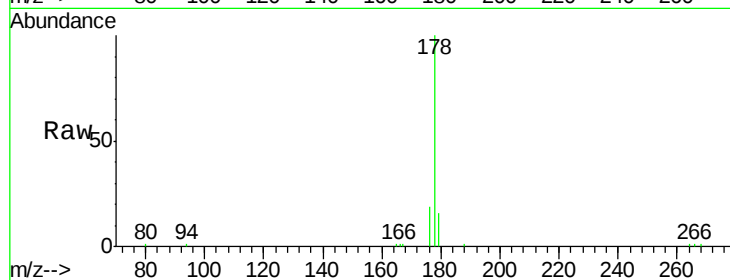
Tot Ion:178 Resp: 12816

Ion Ratio Lower Upper

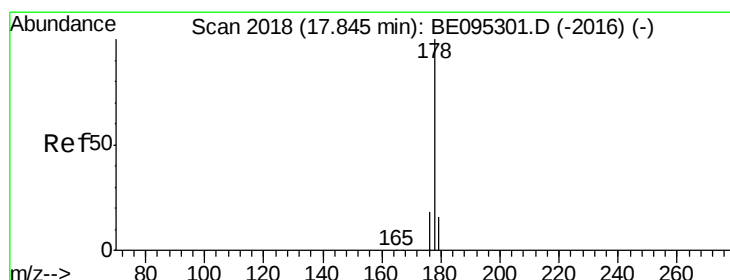
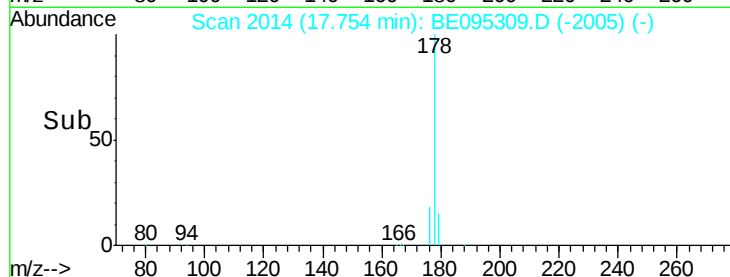
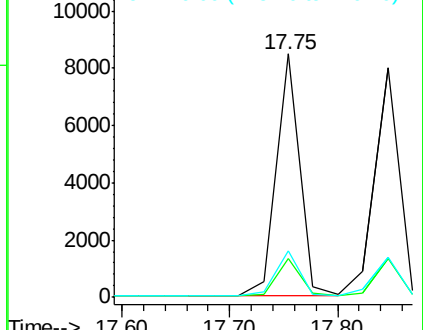
178 100

179 15.8 18.4 27.6#

176 19.0 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: 0.426 ng/ul

RT: 17.85 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

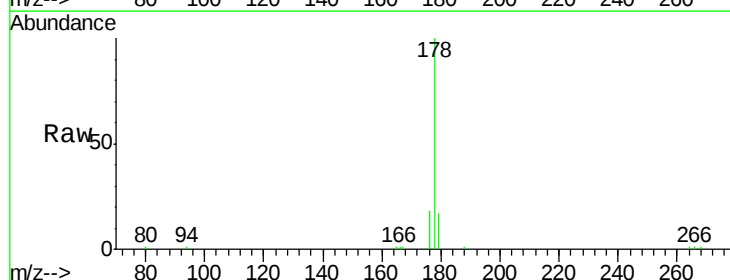
Tgt Ion:178 Resp: 12372

Ion Ratio Lower Upper

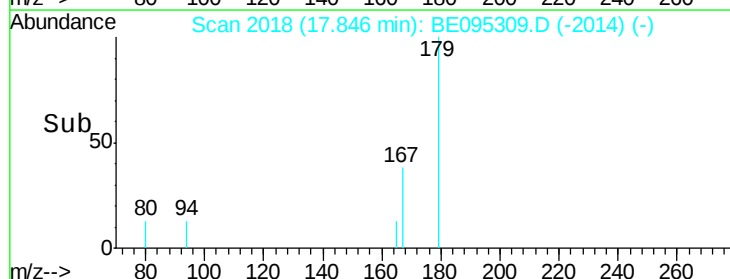
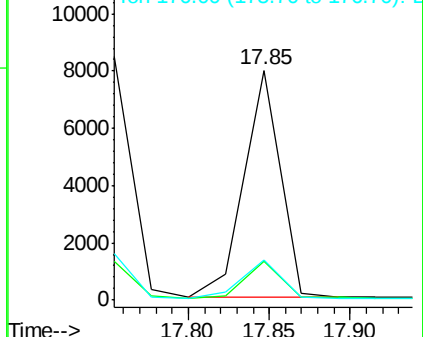
178 100

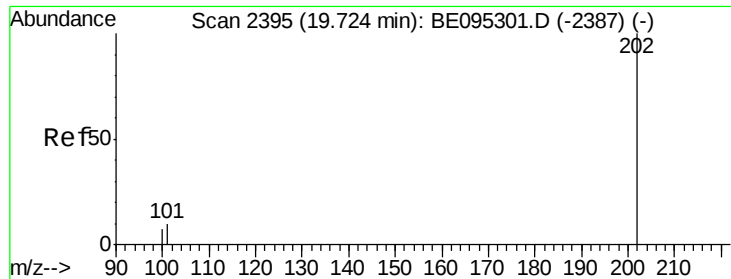
179 16.9 18.1 27.1#

176 17.7 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: 0.361 ng/ul

RT: 19.72 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

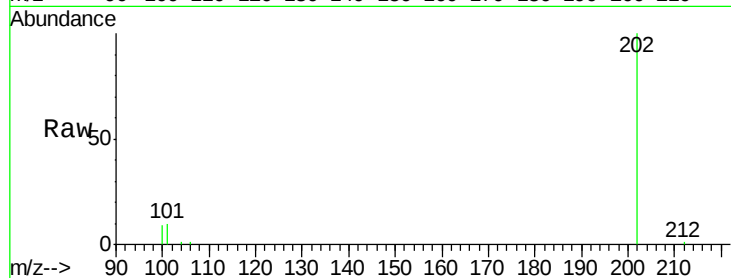
Tot Ion:202 Resp: 14854

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.3

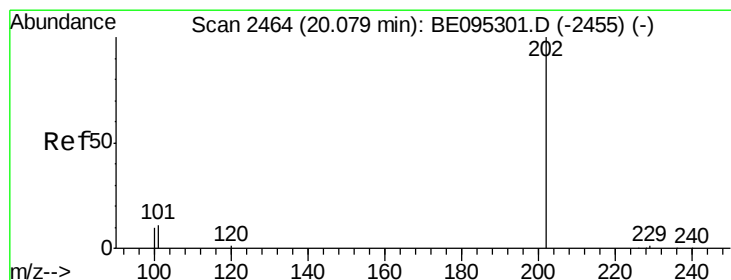
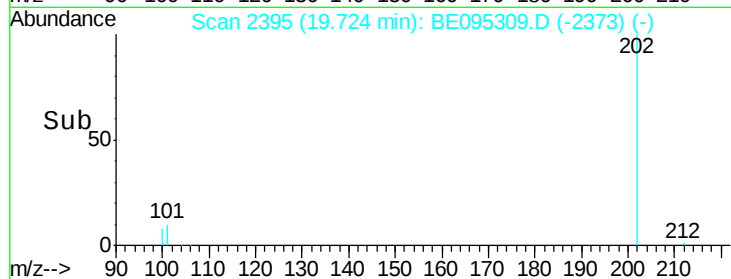
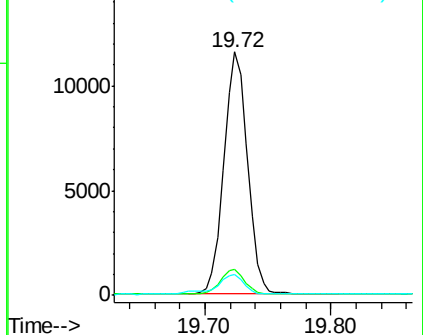
100 8.6 0.0 39.5



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: 0.504 ng/ul

RT: 20.08 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

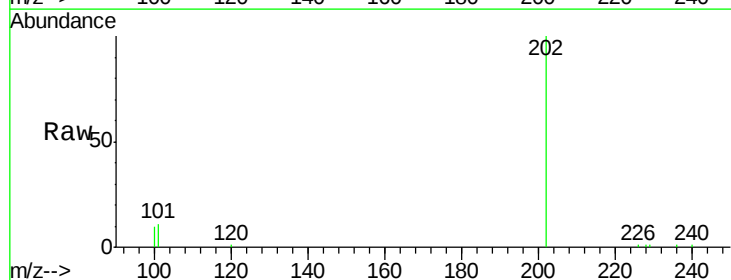
Tgt Ion:202 Resp: 16948

Ion Ratio Lower Upper

202 100

101 11.5 18.2 27.4#

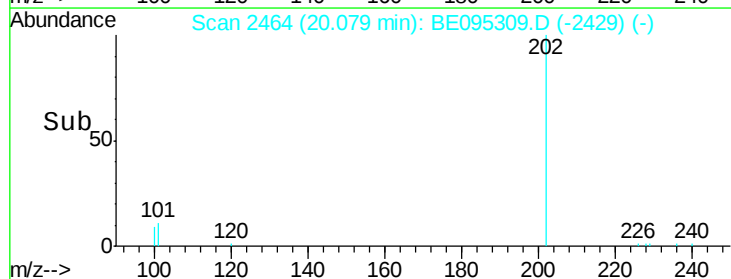
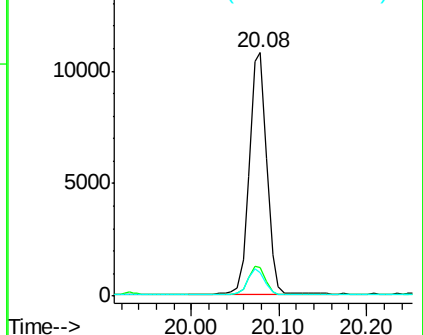
100 9.7 15.6 23.4#

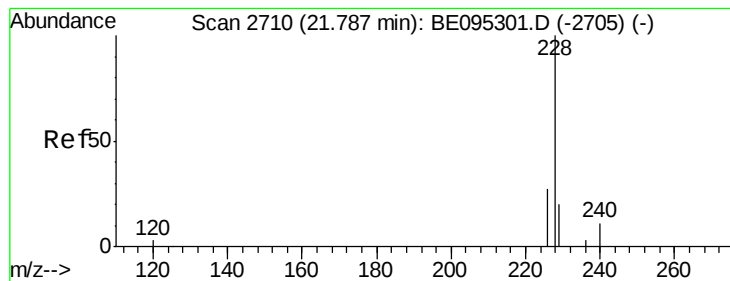


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.436 ng/ul

RT: 21.79 min Scan# 2710

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampled :

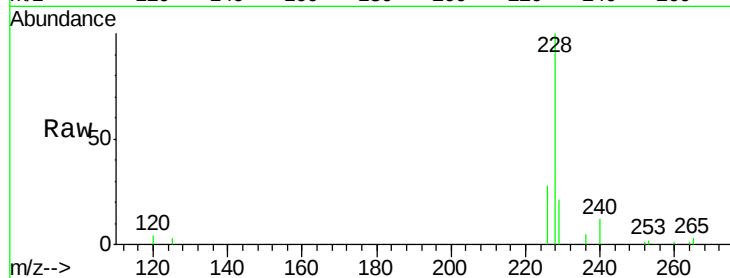
Tot Ion:228 Resp: 13663

Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

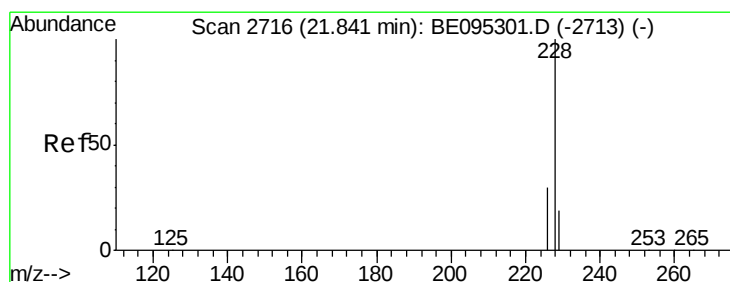
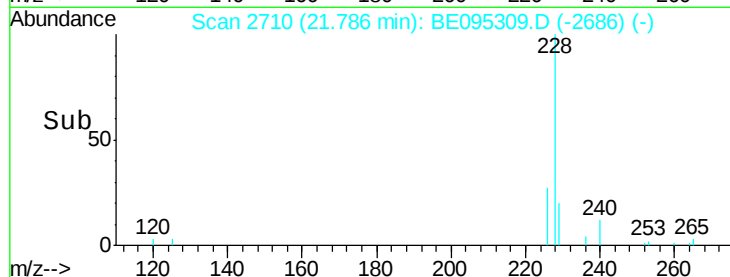
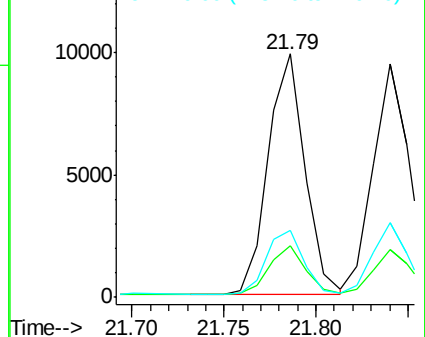
226 27.6 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.400 ng/ul

RT: 21.84 min Scan# 2716

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

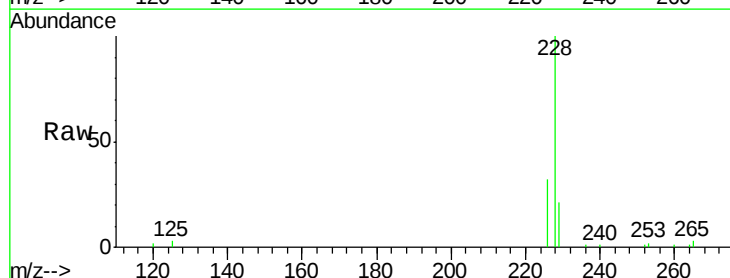
Tgt Ion:228 Resp: 13015

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

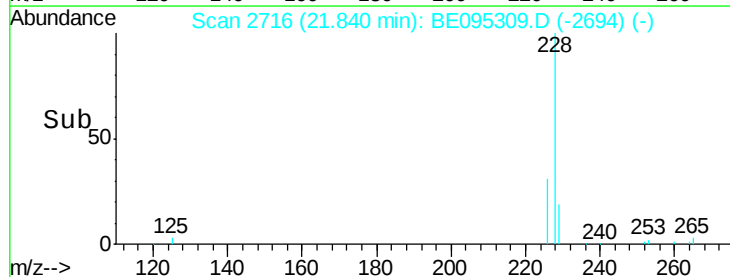
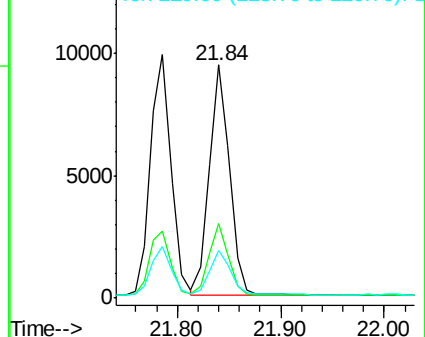
229 20.7 17.7 26.5

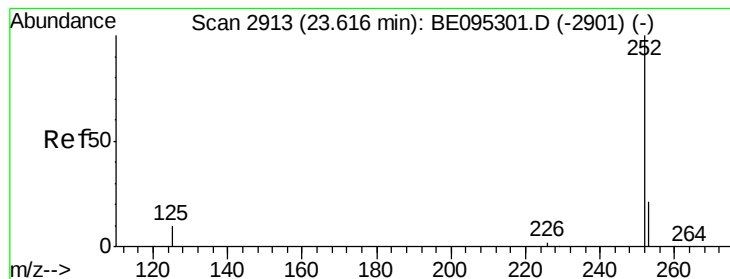


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.378 ng/ul

RT: 23.62 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

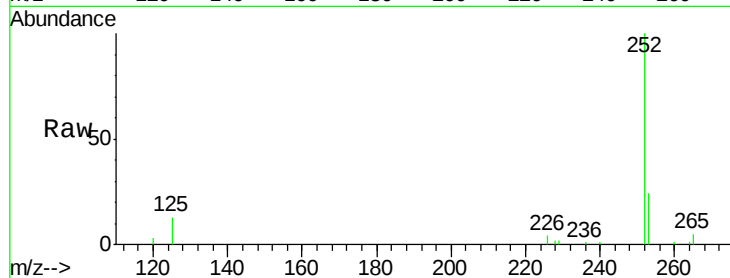
Tot Ion:252 Resp: 12825

Ion Ratio Lower Upper

252 100

253 23.7 0.0 64.2

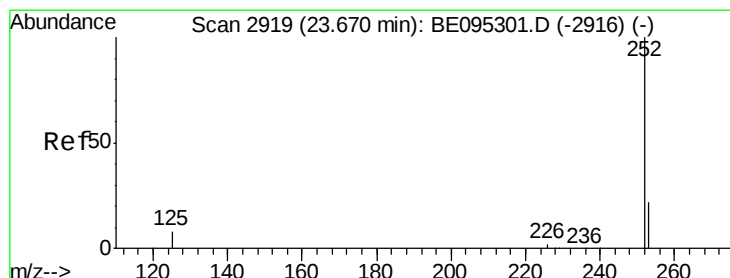
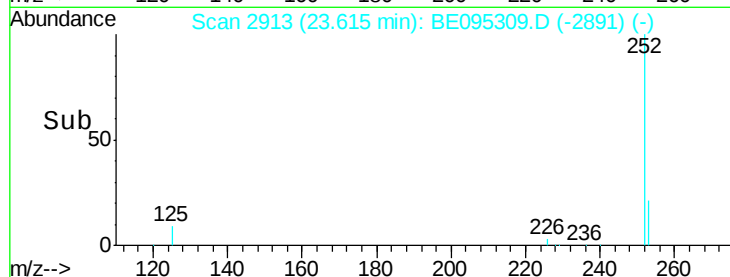
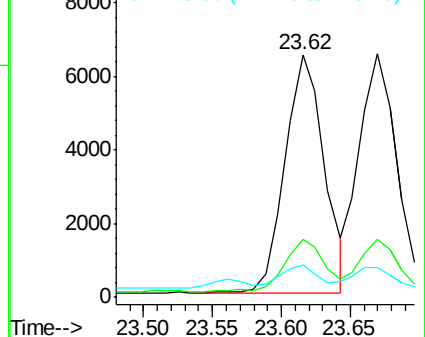
125 13.1 0.0 35.0



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: 0.396 ng/ul

RT: 23.67 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

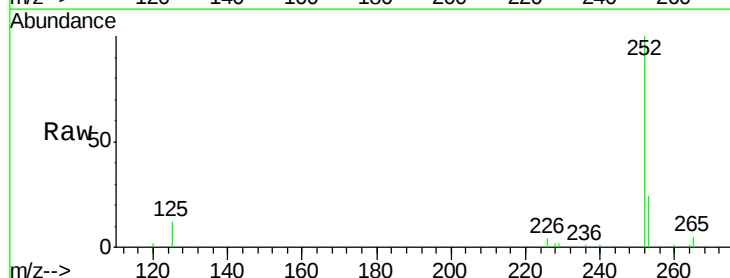
Tgt Ion:252 Resp: 12292

Ion Ratio Lower Upper

252 100

253 23.6 24.5 36.7#

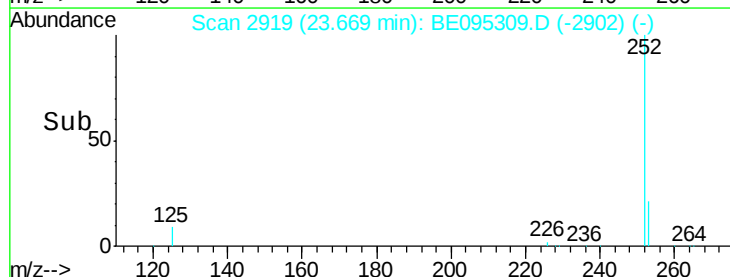
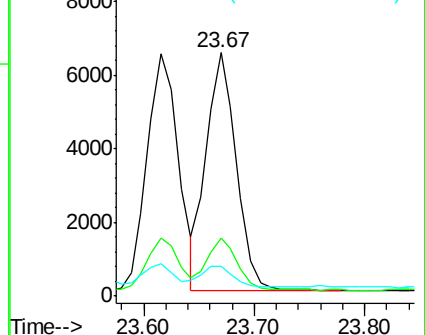
125 12.5 13.7 20.5#

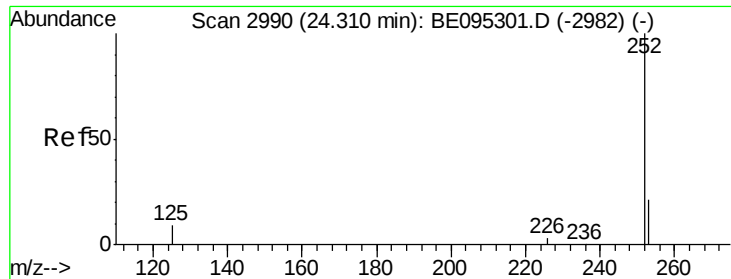


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.401 ng/ul

RT: 24.31 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

Instrument :

BNA_E

ClientSampleId :

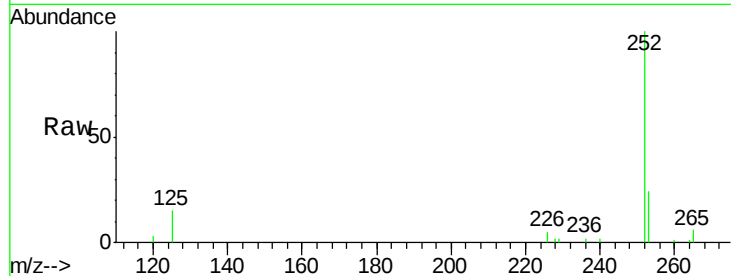
Tot Ion:252 Resp: 12174

Ion Ratio Lower Upper

252 100

253 24.0 28.5 42.7#

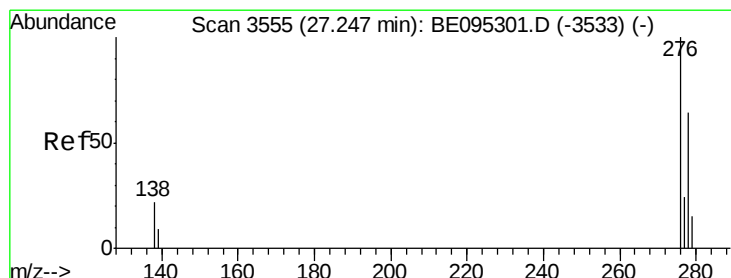
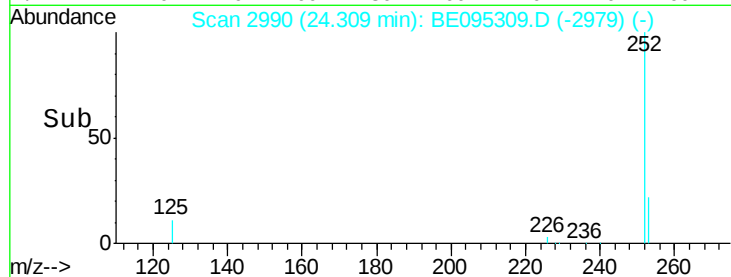
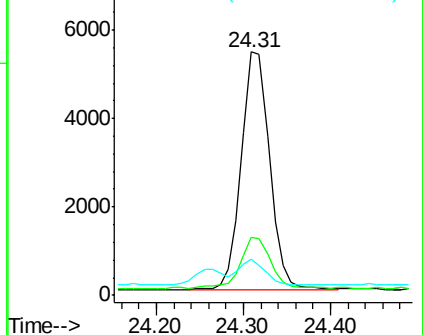
125 15.0 18.1 27.1#



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: 0.410 ng/ul

RT: 27.24 min Scan# 3554

Delta R.T. -0.00 min

Lab File: BE095309.D

Acq: 31 Jan 2018 10:12

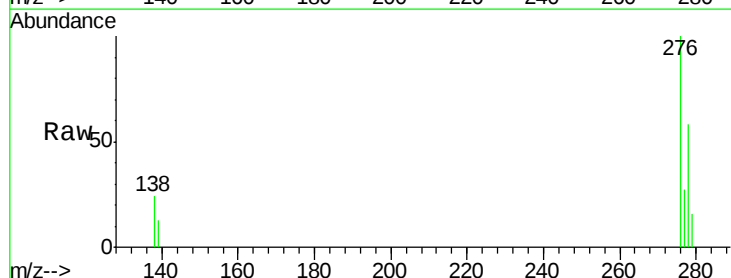
Tgt Ion:276 Resp: 13627

Ion Ratio Lower Upper

276 100

138 24.0 28.0 42.0#

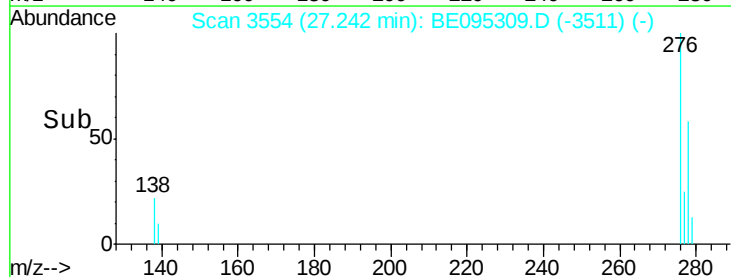
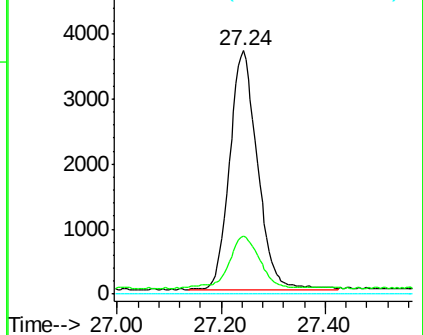
227 0.0 8.0 12.0#

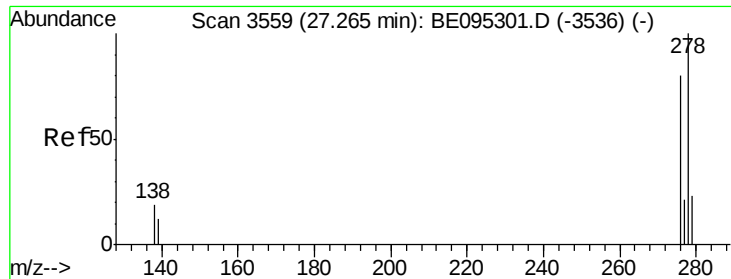


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

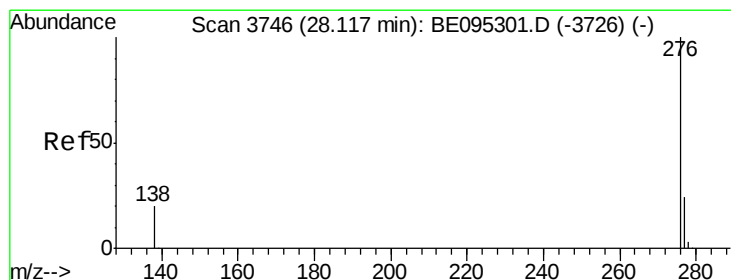
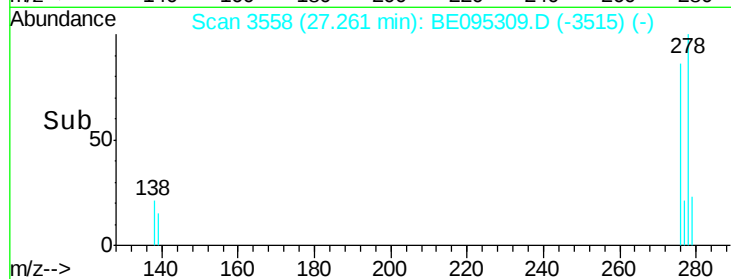
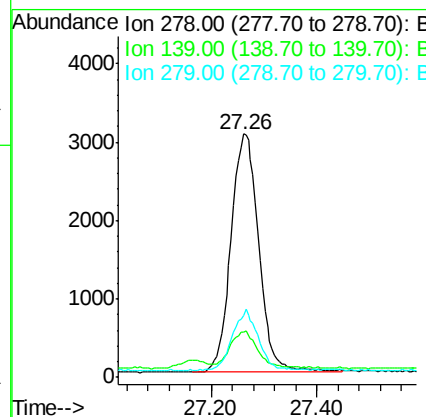
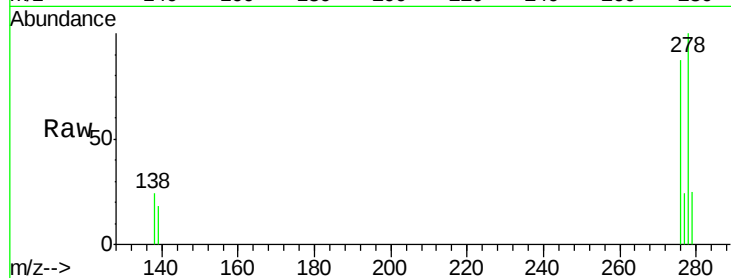




#25
Dibenzo(a,h)anthracene
Concen: 0.410 ng/ul
RT: 27.26 min Scan# 3558
Delta R.T. -0.00 min
Lab File: BE095309.D
Acq: 31 Jan 2018 10:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 11148
Ion Ratio Lower Upper
278 100
139 18.5 17.4 26.0
279 25.5 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.405 ng/ul
RT: 28.11 min Scan# 3745
Delta R.T. -0.00 min
Lab File: BE095309.D
Acq: 31 Jan 2018 10:12

Tgt Ion:276 Resp: 11396
Ion Ratio Lower Upper
276 100
138 22.0 21.8 32.8
277 23.9 20.5 30.7

