

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_E\DATA\BE011918\
 Data File : BE095074.D
 Acq On : 19 Jan 2018 14:02
 Operator : SJ/JU
 Sample : SST0.403
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SST0.403

Quant Time: Jan 19 15:22:53 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE011918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 15:16:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	4388	0.40	ng/ul	0.00
2) Naphthalene-d8	11.29	136	13988	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.05	164	7674	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.75	188	18455	0.40	ng/ul	0.00
16) Chrysene-d12	21.84	240	17131	0.40	ng/ul	0.00
20) Perylene-d12	24.50	264	13749	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.85	152	9540	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.73	212	22987	0.40	ng/ul	0.00

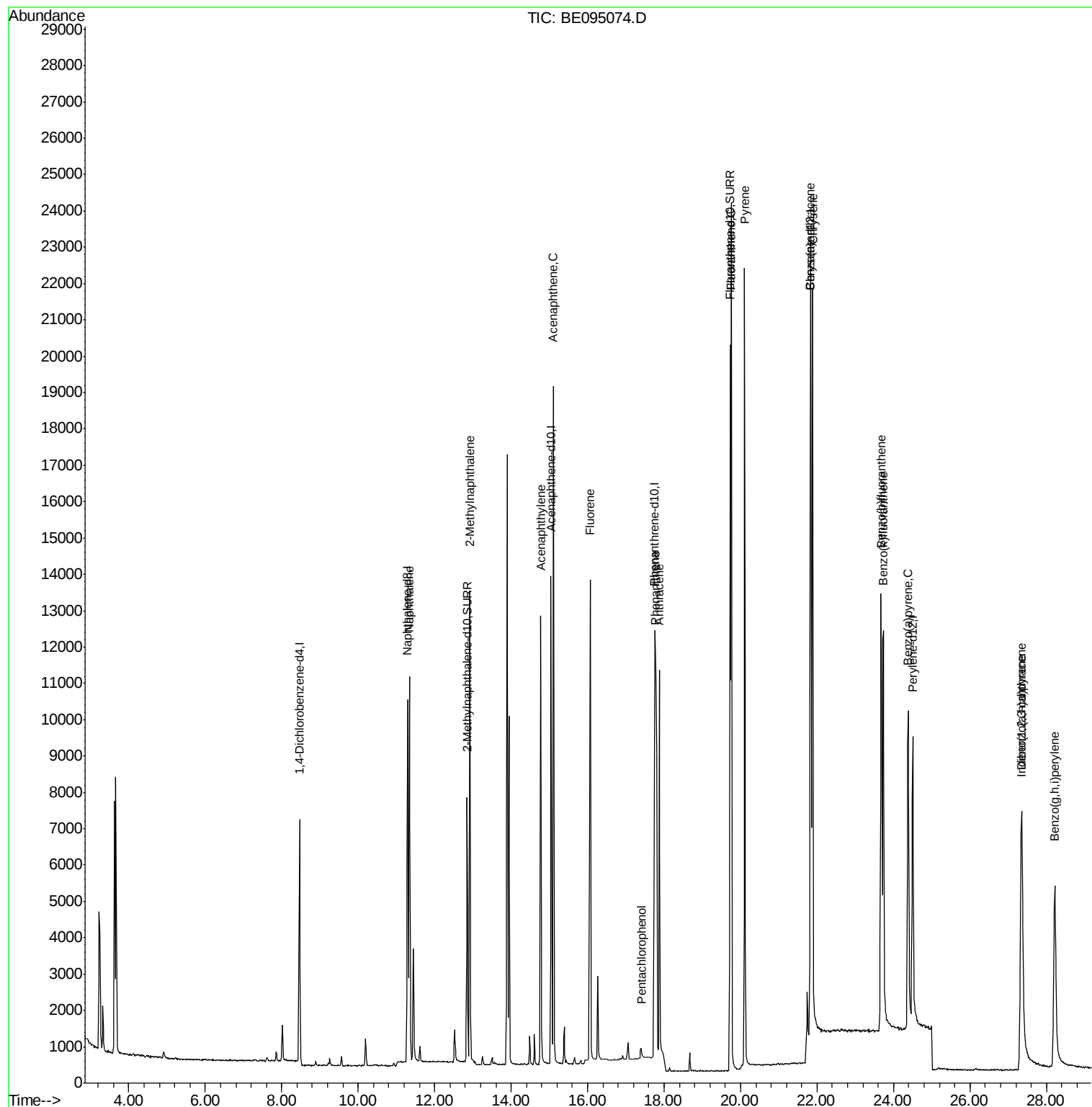
Target Compounds					Qvalue	
3) Naphthalene	11.34	128	15471	0.417	ng/ul#	89
5) 2-Methylnaphthalene	12.91	142	10819	0.376	ng/ul	99
7) Acenaphthylene	14.77	152	14371	0.409	ng/ul	95
8) Acenaphthene	15.11	153	11208	0.416	ng/ul	93
9) Fluorene	16.07	166	12027	0.402	ng/ul	93
11) Pentachlorophenol	17.41	266	283	0.151	ng/ul	92
12) Phenanthrene	17.78	178	19499	0.401	ng/ul#	80
13) Anthracene	17.87	178	16772	0.364	ng/ul#	85
15) Fluoranthene	19.76	202	25248	0.399	ng/ul	84
17) Pyrene	20.11	202	25276	0.425	ng/ul#	82
18) Benzo(a)anthracene	21.82	228	19527	0.396	ng/ul#	84
19) Chrysene	21.89	228	21888	0.419	ng/ul	98
21) Benzo(b)fluoranthene	23.68	252	19646	0.409	ng/ul	84
22) Benzo(k)fluoranthene	23.73	252	17772	0.406	ng/ul#	87
23) Benzo(a)pyrene	24.38	252	16370	0.397	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	27.33	276	14598	0.322	ng/ul#	81
25) Dibenzo(a,h)anthracene	27.36	278	10303	0.281	ng/ul	91
26) Benzo(g,h,i)perylene	28.22	276	14536	0.370	ng/ul	97

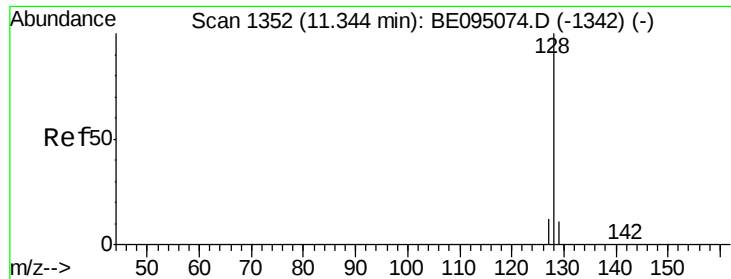
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.417 ng/ul

RT: 11.34 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

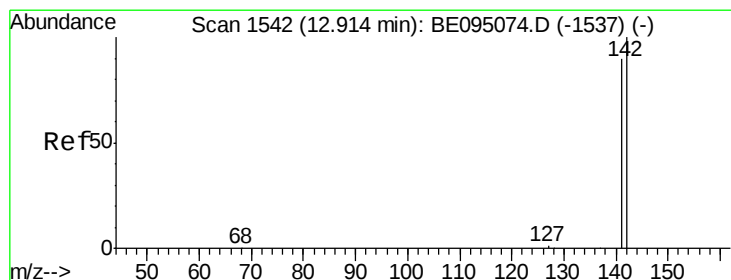
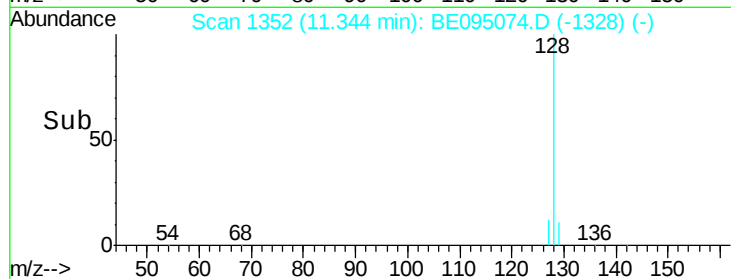
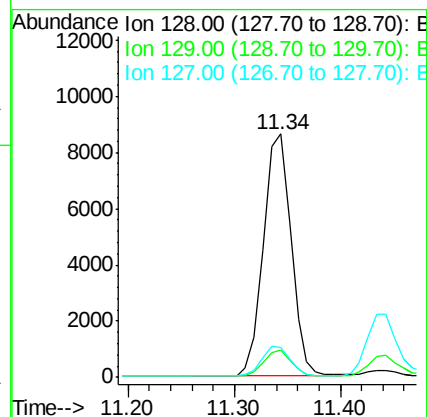
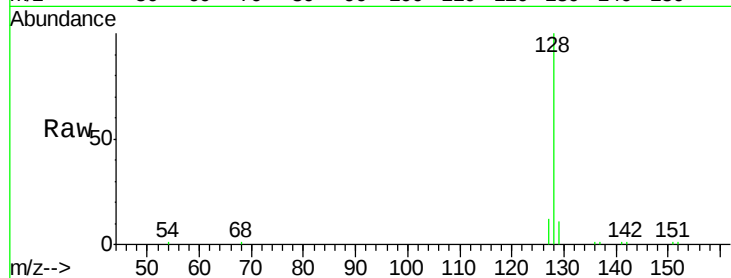
Tgt Ion:128 Resp: 15471

Ion Ratio Lower Upper

128 100

129 11.2 11.3 16.9#

127 12.4 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.376 ng/ul

RT: 12.91 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BE095074.D

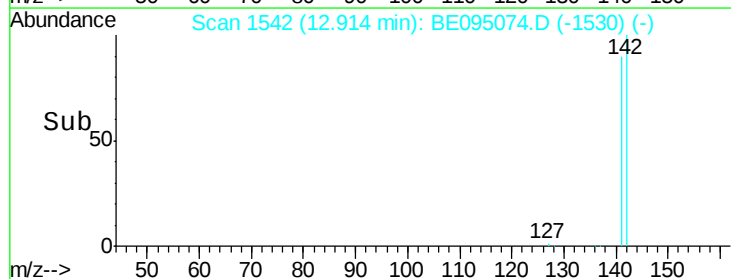
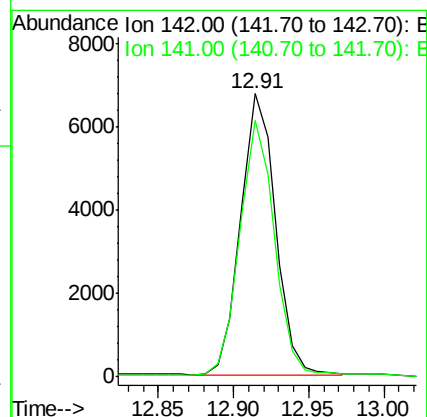
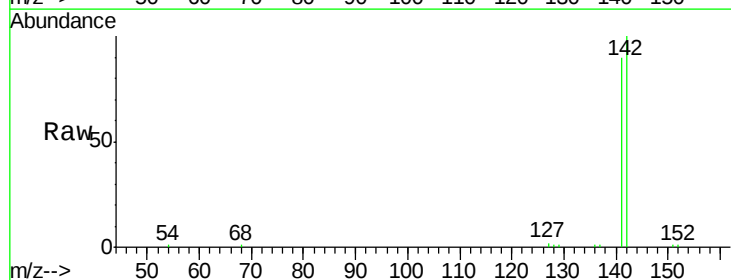
Acq: 19 Jan 2018 14:02

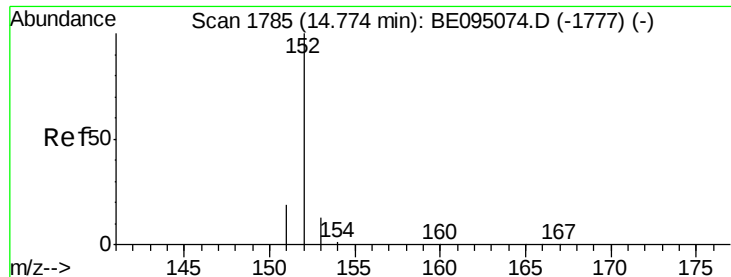
Tgt Ion:142 Resp: 10819

Ion Ratio Lower Upper

142 100

141 89.3 72.6 108.8





#7

Acenaphthylene

Concen: 0.409 ng/ul

RT: 14.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

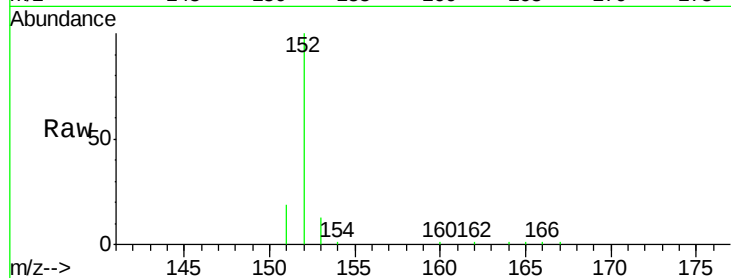
Tgt Ion:152 Resp: 14371

Ion Ratio Lower Upper

152 100

151 19.3 17.1 25.7

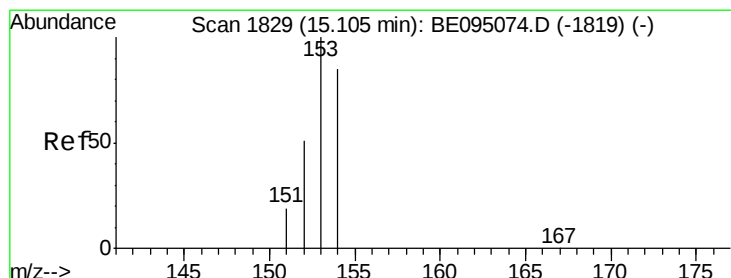
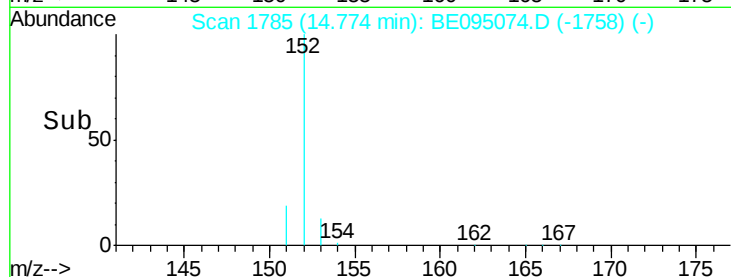
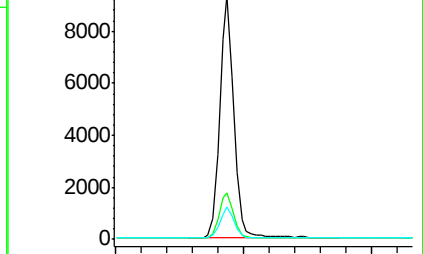
153 13.5 12.8 19.2



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: 0.416 ng/ul

RT: 15.11 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

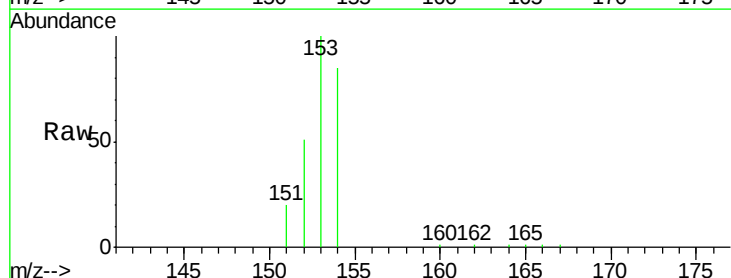
Tgt Ion:153 Resp: 11208

Ion Ratio Lower Upper

153 100

152 51.3 36.0 54.0

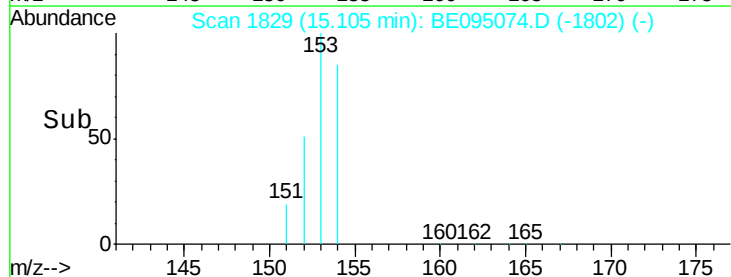
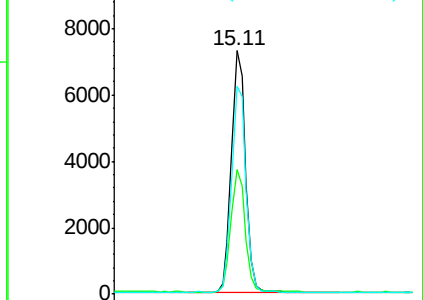
154 85.3 72.0 108.0

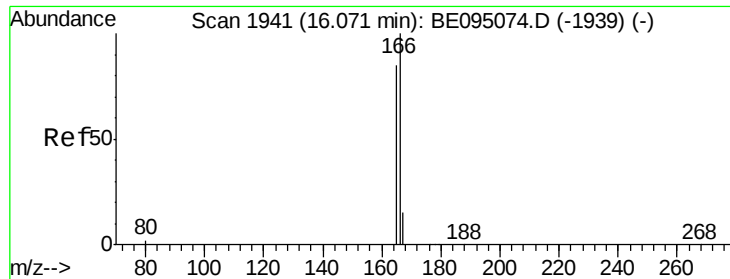


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.402 ng/ul

RT: 16.07 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

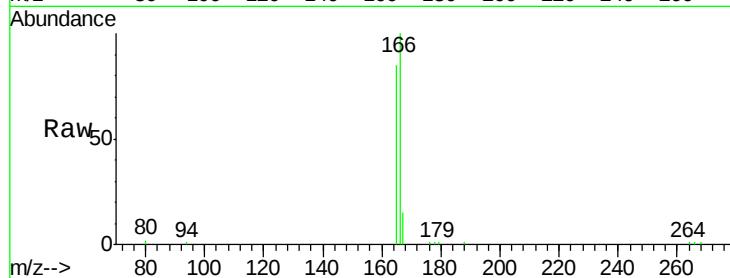
Tgt Ion:166 Resp: 12027

Ion Ratio Lower Upper

166 100

165 84.9 73.4 110.2

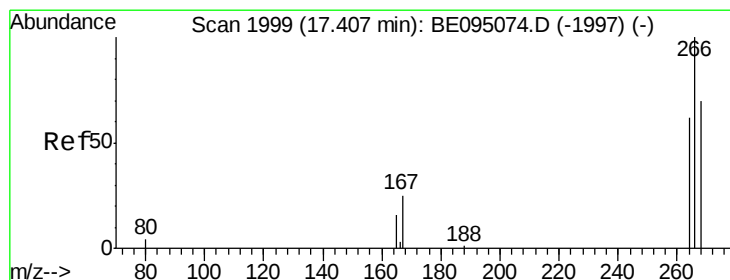
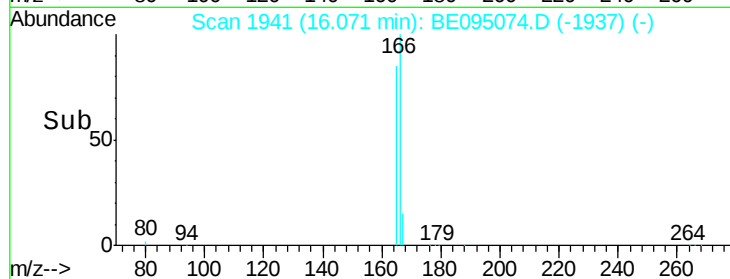
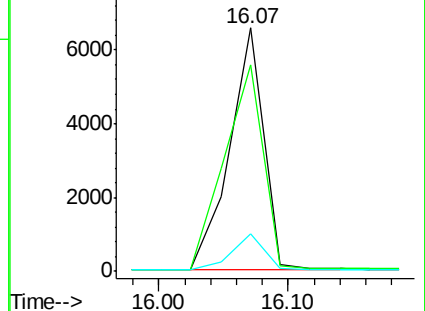
167 15.3 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.151 ng/ul

RT: 17.41 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

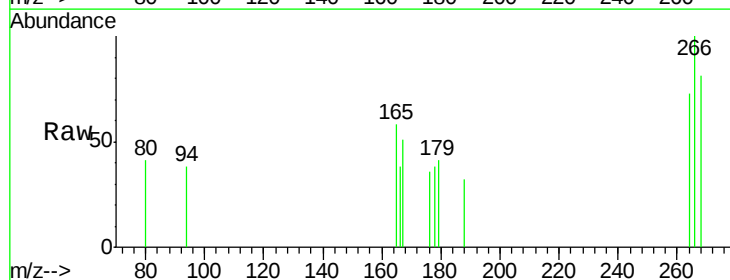
Tgt Ion:266 Resp: 283

Ion Ratio Lower Upper

266 100

264 66.8 47.9 71.9

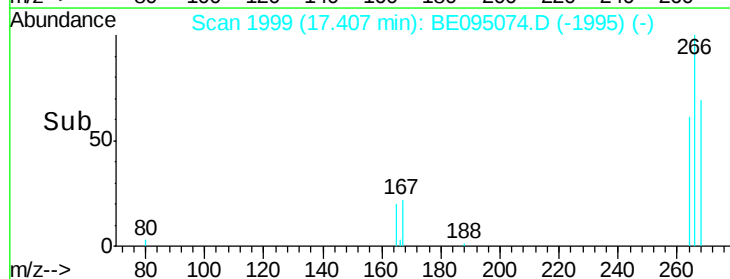
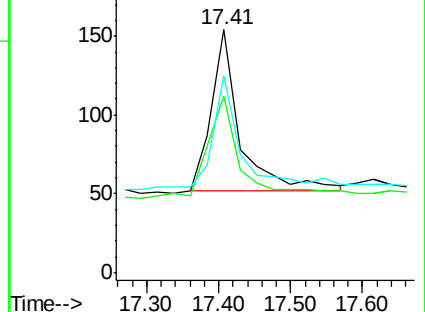
268 67.8 49.8 74.8

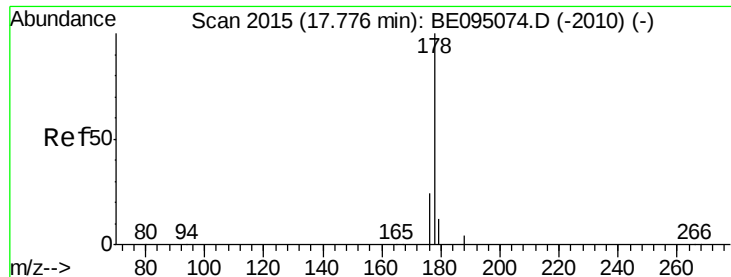


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.401 ng/ul

RT: 17.78 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

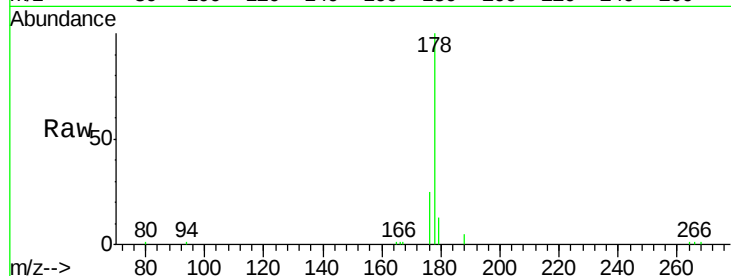
Tgt Ion:178 Resp: 19499

Ion Ratio Lower Upper

178 100

179 12.7 18.4 27.6#

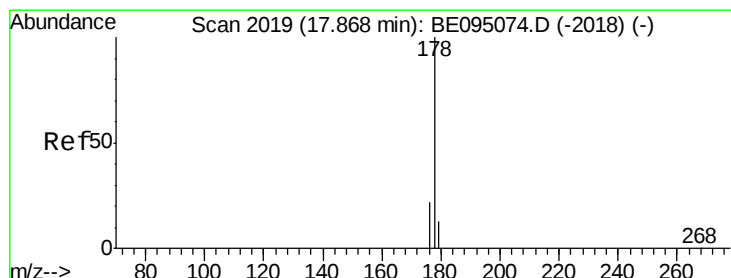
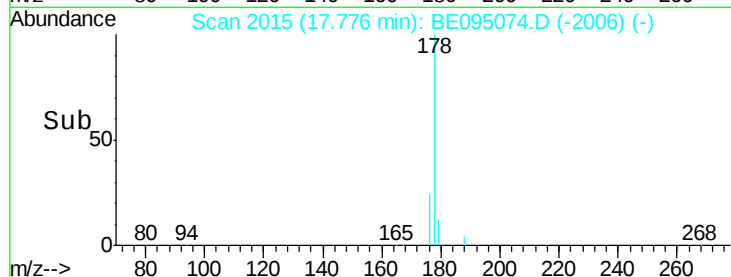
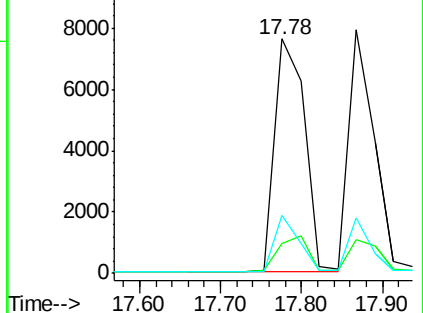
176 24.8 13.6 20.4#



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: 0.364 ng/ul

RT: 17.87 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

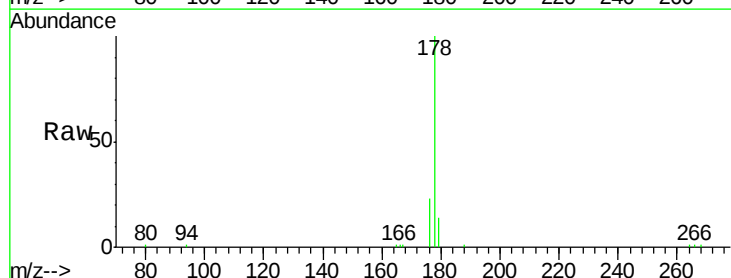
Tgt Ion:178 Resp: 16772

Ion Ratio Lower Upper

178 100

179 13.7 18.1 27.1#

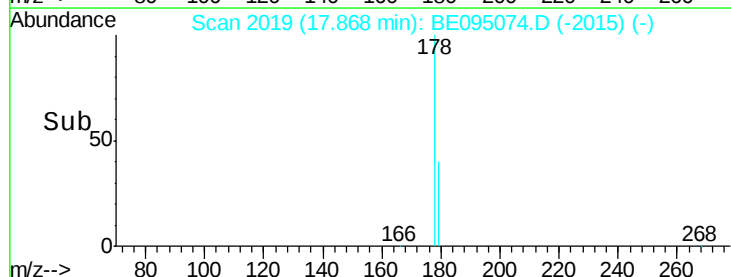
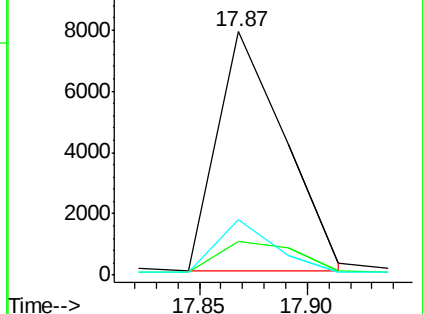
176 22.7 14.7 22.1#

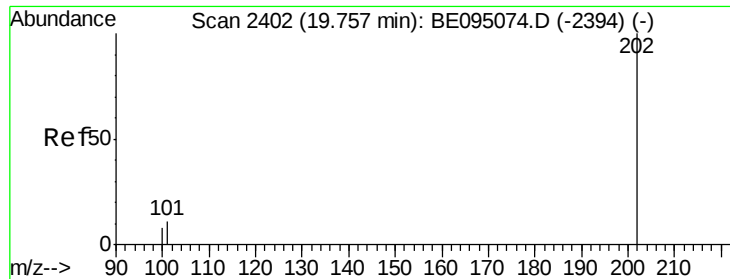


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.399 ng/ul

RT: 19.76 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

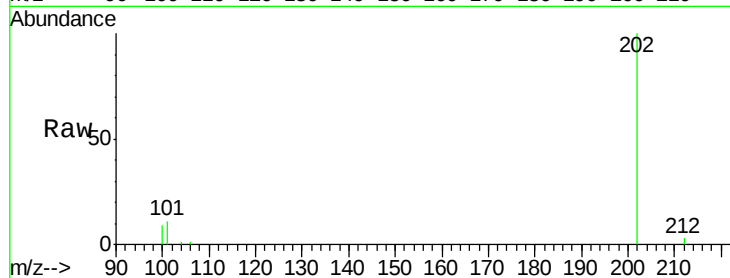
Tgt Ion:202 Resp: 25248

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.3

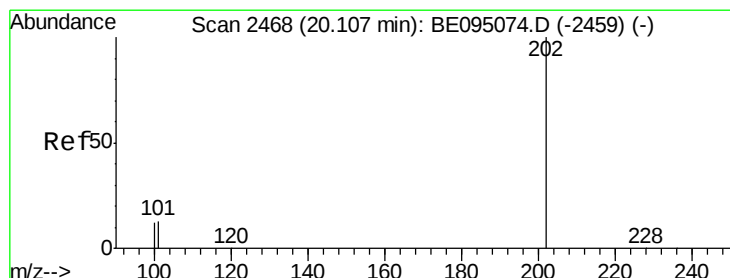
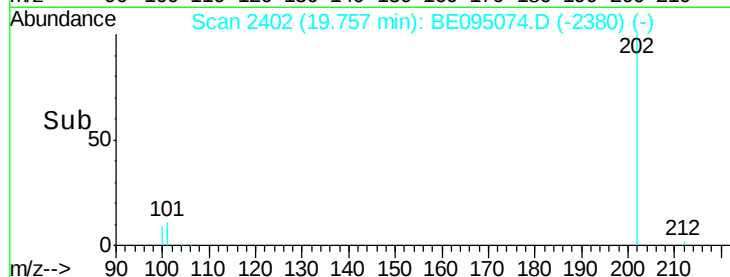
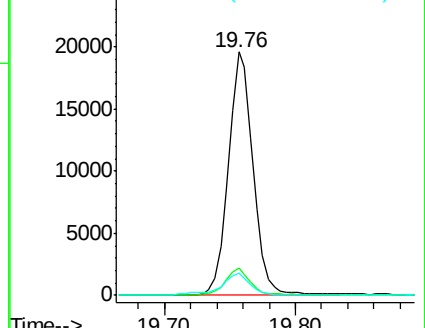
100 9.0 0.0 39.5



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: 0.425 ng/ul

RT: 20.11 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

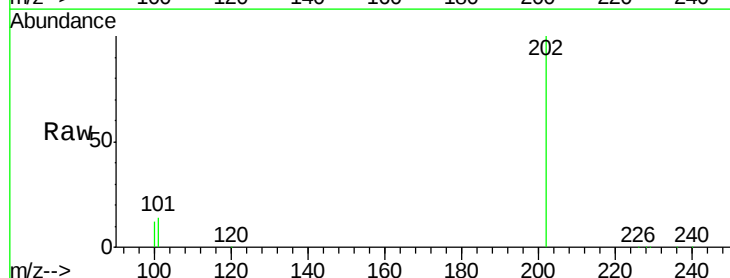
Tgt Ion:202 Resp: 25276

Ion Ratio Lower Upper

202 100

101 13.6 18.2 27.4#

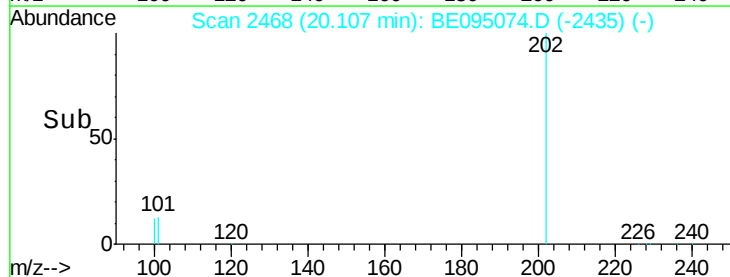
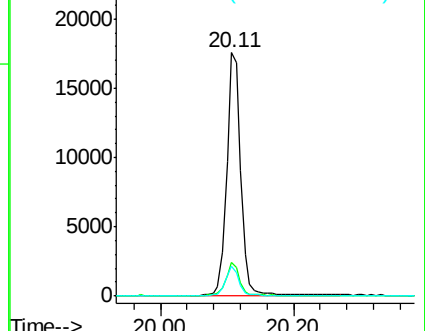
100 12.2 15.6 23.4#

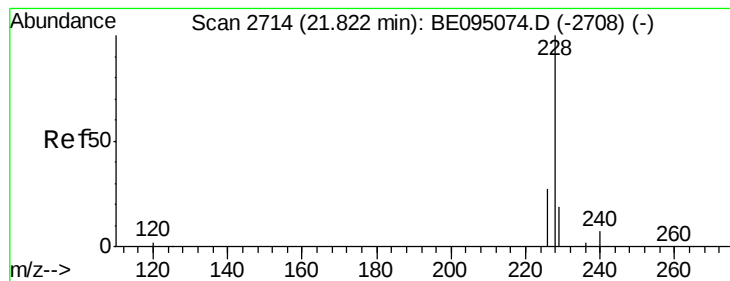


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.396 ng/ul

RT: 21.82 min Scan# 2714

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

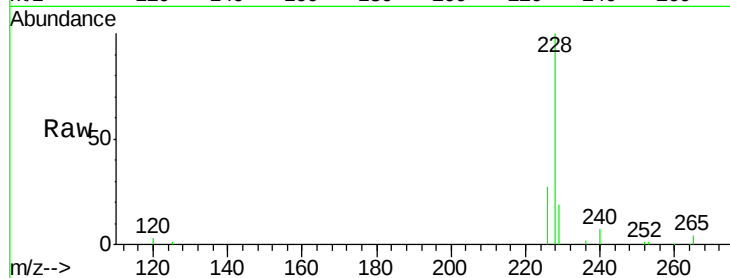
Tgt Ion:228 Resp: 19527

Ion Ratio Lower Upper

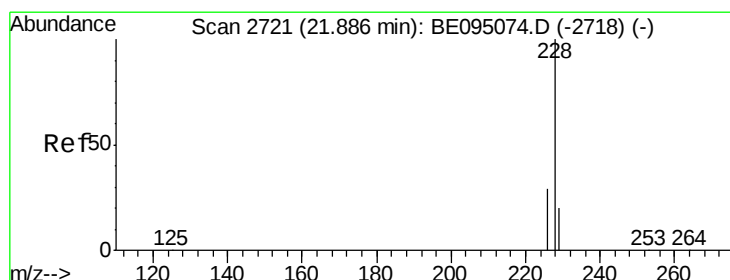
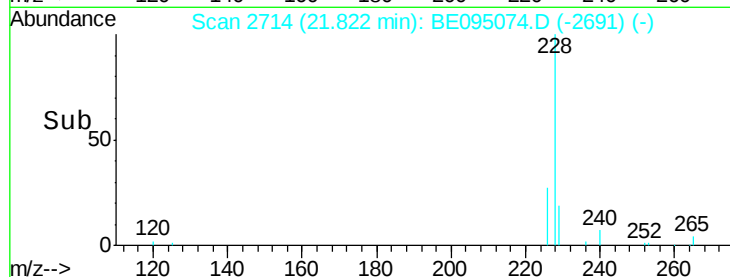
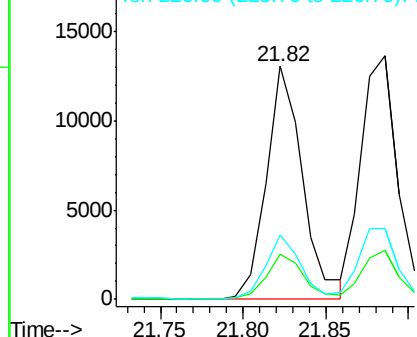
228 100

229 19.3 22.8 34.2#

226 27.5 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: 0.419 ng/ul

RT: 21.89 min Scan# 2721

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

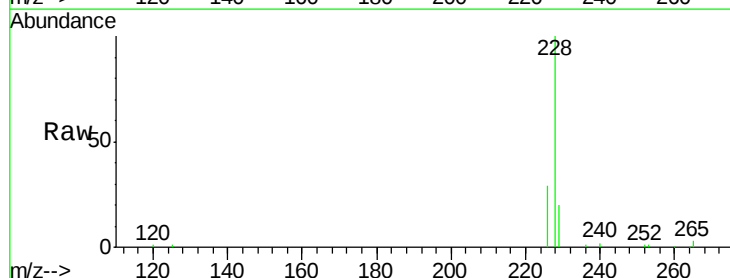
Tgt Ion:228 Resp: 21888

Ion Ratio Lower Upper

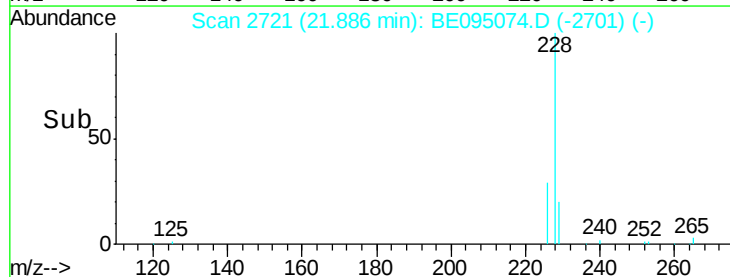
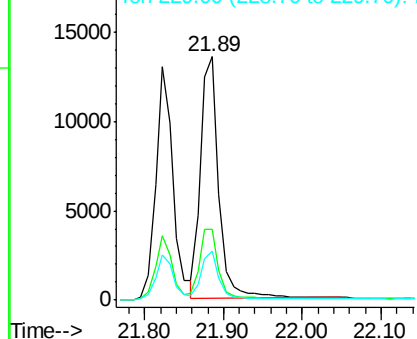
228 100

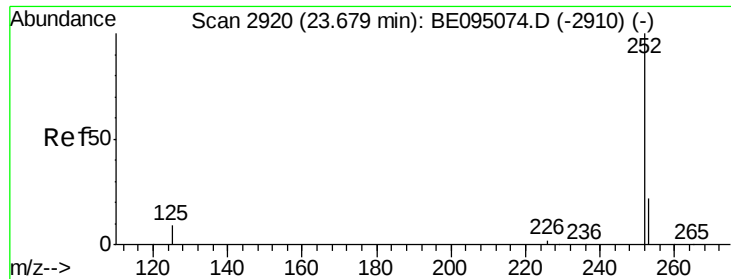
226 29.3 23.4 35.0

229 20.2 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: 0.409 ng/ul

RT: 23.68 min Scan# 2920

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

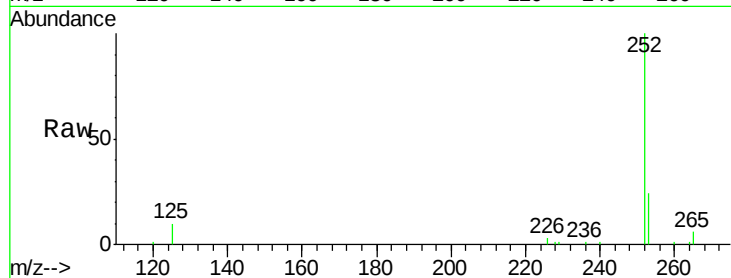
Tgt Ion:252 Resp: 19646

Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

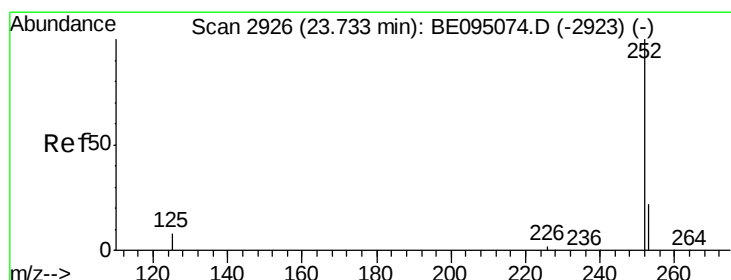
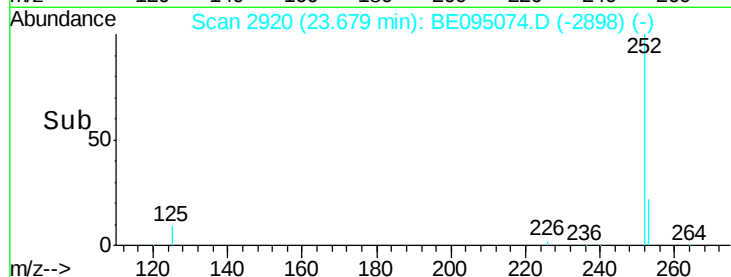
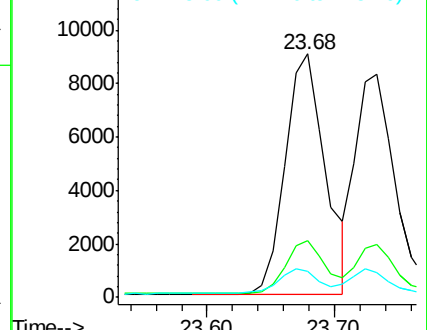
125 10.4 0.0 35.0



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: 0.406 ng/ul

RT: 23.73 min Scan# 2926

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

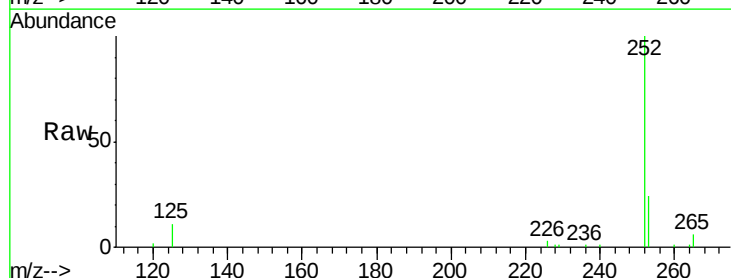
Tgt Ion:252 Resp: 17772

Ion Ratio Lower Upper

252 100

253 23.8 24.5 36.7#

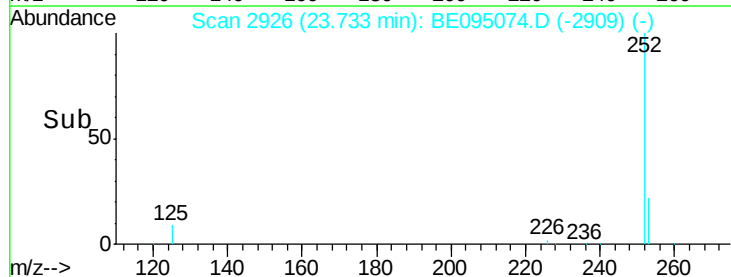
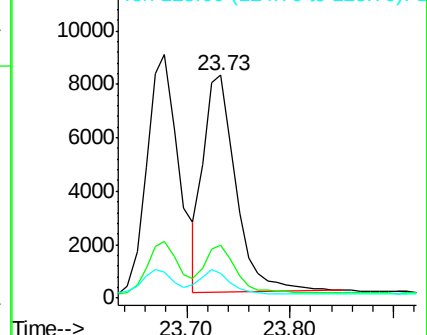
125 10.9 13.7 20.5#

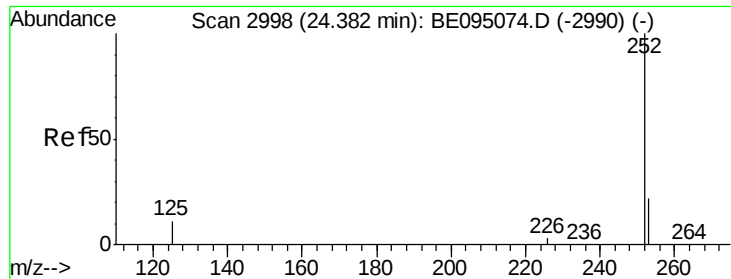


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.397 ng/u1

RT: 24.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

Instrument :

BNA_E

ClientSampleId :

SSTD0.403

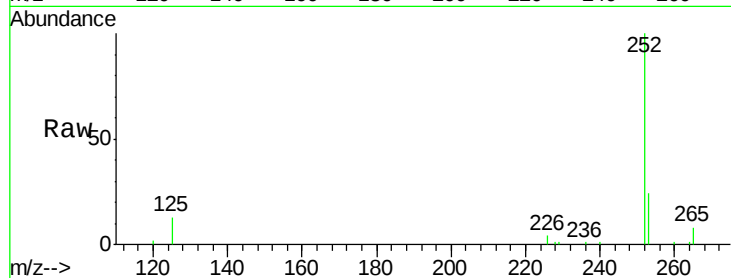
Tgt Ion:252 Resp: 16370

Ion Ratio Lower Upper

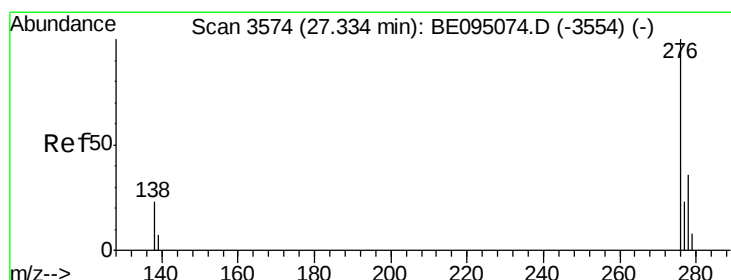
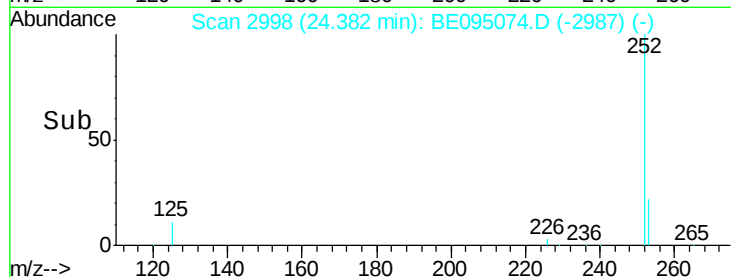
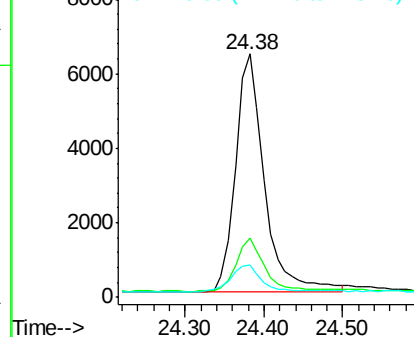
252 100

253 24.4 28.5 42.7#

125 13.2 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: 0.322 ng/u1

RT: 27.33 min Scan# 3574

Delta R.T. 0.00 min

Lab File: BE095074.D

Acq: 19 Jan 2018 14:02

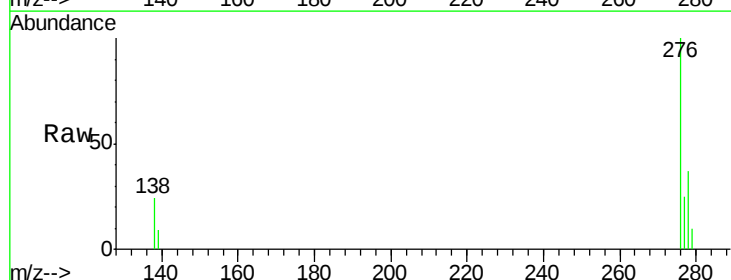
Tgt Ion:276 Resp: 14598

Ion Ratio Lower Upper

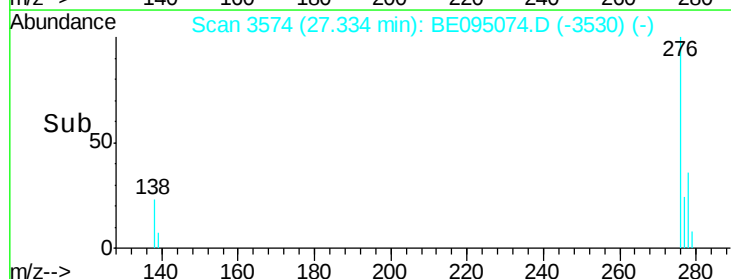
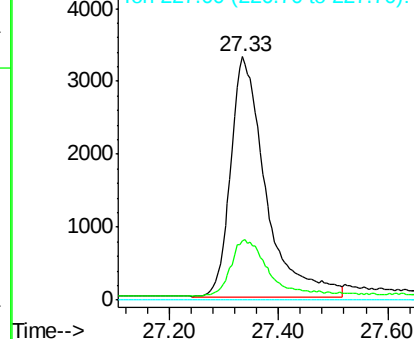
276 100

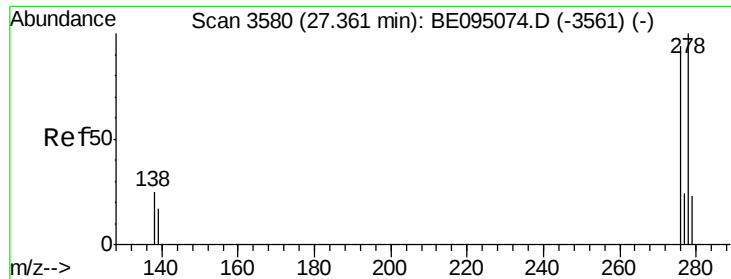
138 25.1 28.0 42.0#

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

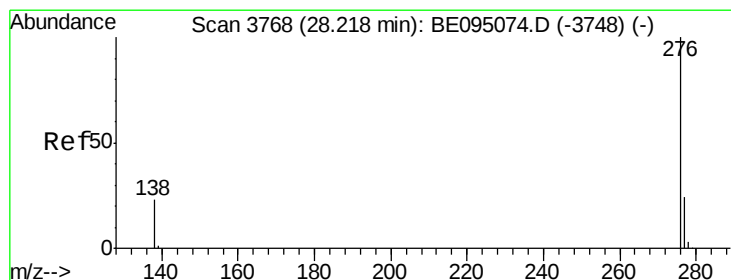
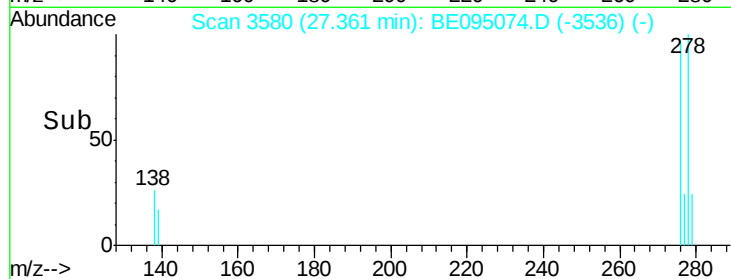
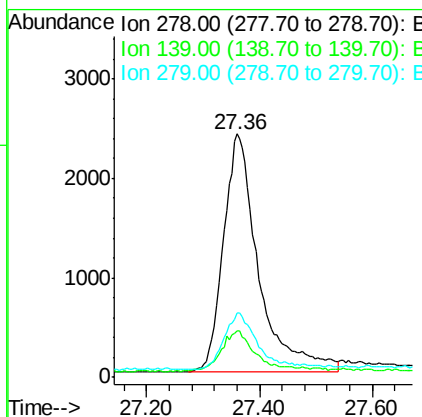
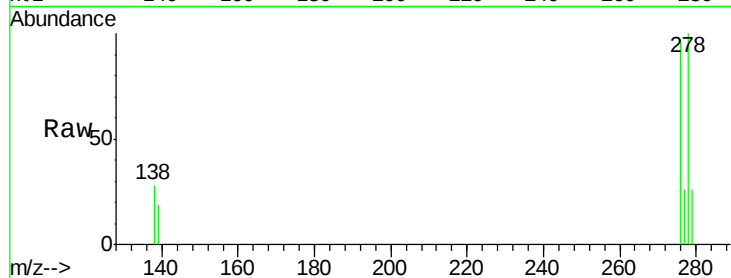




#25
Dibenzo(a,h)anthracene
Concen: 0.281 ng/ul
RT: 27.36 min Scan# 3580
Delta R.T. 0.00 min
Lab File: BE095074.D
Acq: 19 Jan 2018 14:02

Instrument :
BNA_E
ClientSampleId :
SSTD0.403

Tgt Ion: 278 Resp: 10303
Ion Ratio Lower Upper
278 100
139 19.1 17.4 26.0
279 26.3 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.370 ng/ul
RT: 28.22 min Scan# 3768
Delta R.T. 0.00 min
Lab File: BE095074.D
Acq: 19 Jan 2018 14:02

Tgt Ion: 276 Resp: 14536
Ion Ratio Lower Upper
276 100
138 24.5 21.8 32.8
277 25.1 20.5 30.7

