

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031418\
 Data File : BE095795.D
 Acq On : 15 Mar 2018 9:45
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.419

Quant Time: Mar 15 10:59:47 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE031318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 05:35:28 2018
 Response via : Initial Calibration

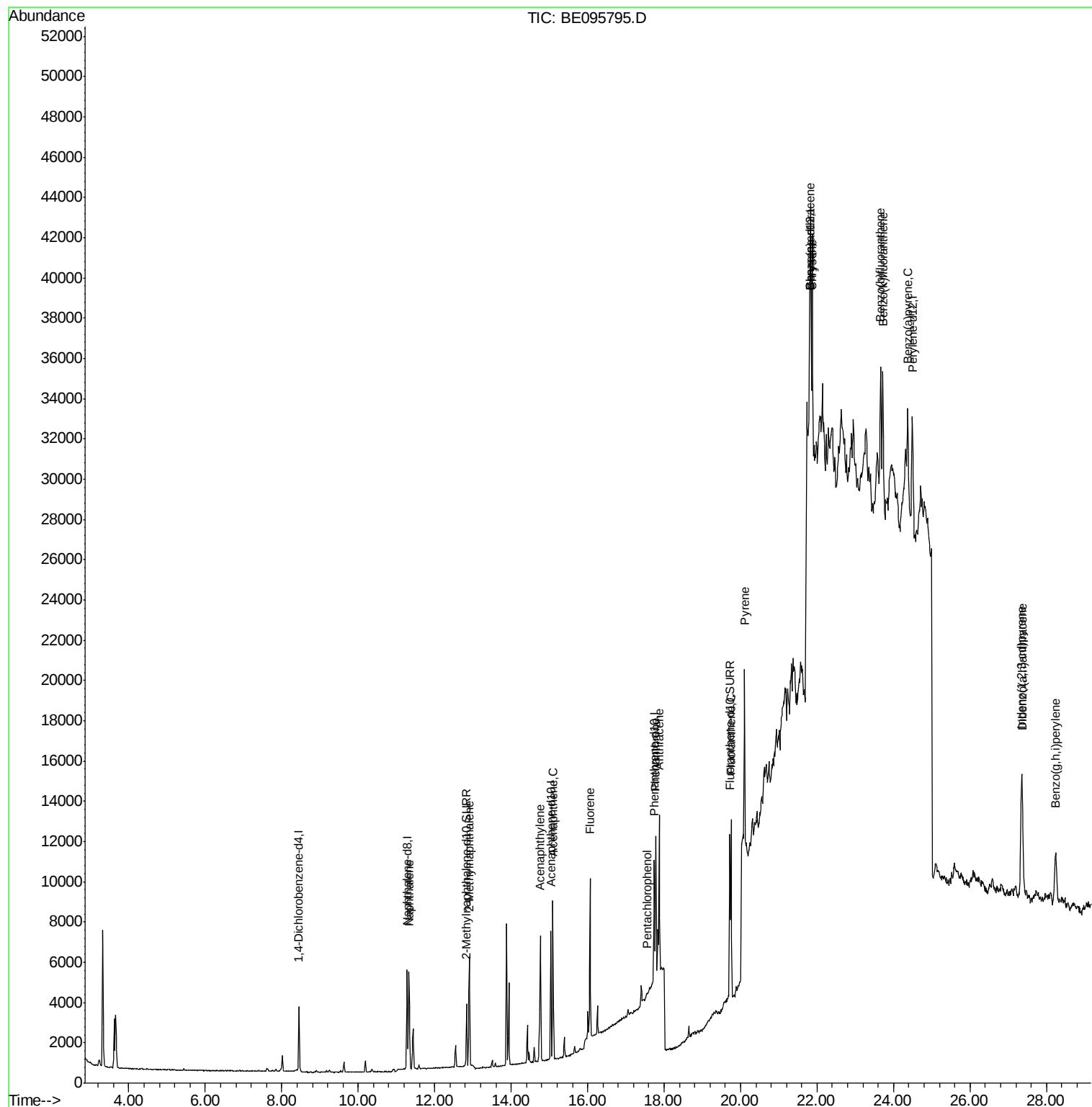
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	2227	0.40	ng/ul	0.02
2) Naphthalene-d8	11.28	136	6673	0.40	ng/ul	0.03
6) Acenaphthene-d10	15.03	164	3603	0.40	ng/ul	0.03
10) Phenanthrene-d10	17.75	188	7551	0.40	ng/ul	0.03
16) Chrysene-d12	21.84	240	8178	0.40	ng/ul	0.04
20) Perylene-d12	24.49	264	7619	0.40	ng/ul	0.06
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.83	152	4114	0.36	ng/ul	0.03
14) Fluoranthene-d10	19.72	212	9233	0.38	ng/ul	0.03
Target Compounds				Ovalue		
3) Naphthalene	11.33	128	6777	0.364	ng/ul#	90
5) 2-Methylnaphthalene	12.91	142	4612	0.356	ng/ul	99
7) Acenaphthylene	14.76	152	6911	0.380	ng/ul	98
8) Acenaphthene	15.10	153	4803	0.351	ng/ul	94
9) Fluorene	16.06	166	5181	0.348	ng/ul	89
11) Pentachlorophenol	17.56	266	109	0.103	ng/ul	93
12) Phenanthrene	17.78	178	7921	0.350	ng/ul#	90
13) Anthracene	17.87	178	8135	0.385	ng/ul#	91
15) Fluoranthene	19.75	202	10015	0.366	ng/ul	83
17) Pyrene	20.10	202	13536	0.436	ng/ul#	77
18) Benzo(a)anthracene	21.82	228	10800	0.409	ng/ul#	49
19) Chrysene	21.87	228	9265	0.345	ng/ul#	46
21) Benzo(b)fluoranthene	23.66	252	8977	0.340	ng/ul#	19
22) Benzo(k)fluoranthene	23.72	252	8930	0.356	ng/ul#	19
23) Benzo(a)pyrene	24.37	252	9177	0.381	ng/ul#	13
24) Indeno(1,2,3-cd)pyrene	27.35	276	9749	0.365	ng/ul#	59
25) Dibenzo(a,h)anthracene	27.37	278	7811	0.366	ng/ul#	29
26) Benzo(g,h,i)perylene	28.24	276	7857	0.342	ng/ul#	40

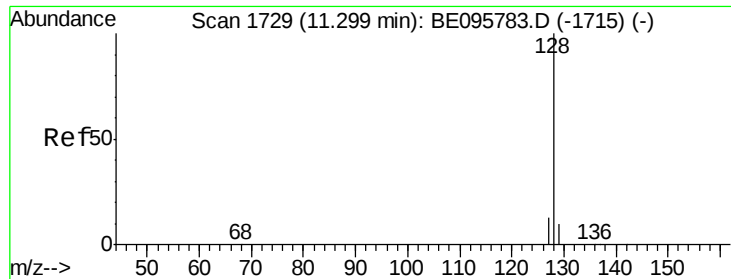
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.364 ng/ul

RT: 11.33 min Scan# 1733

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

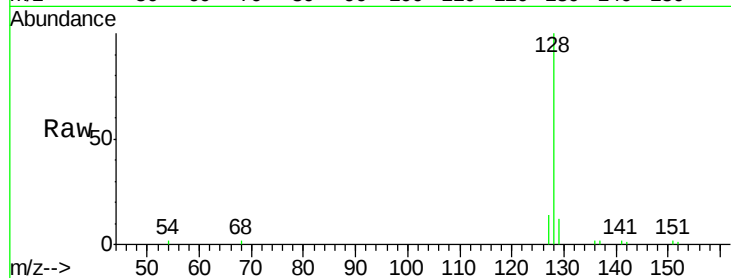
Tot Ion:128 Resp: 6777

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

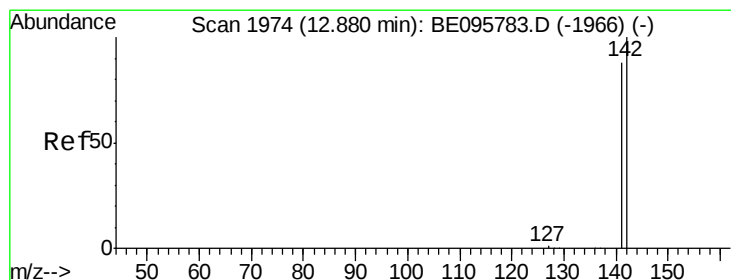
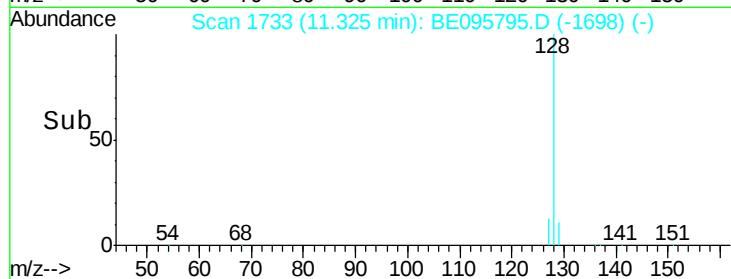
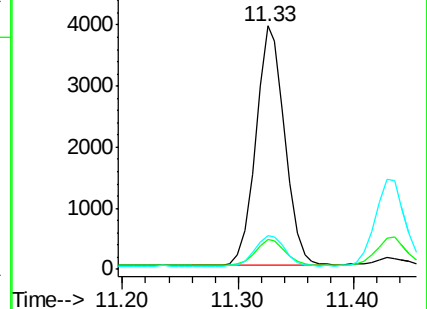
127 13.9 4.0 6.0#



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: 0.356 ng/ul

RT: 12.91 min Scan# 1978

Delta R.T. 0.03 min

Lab File: BE095795.D

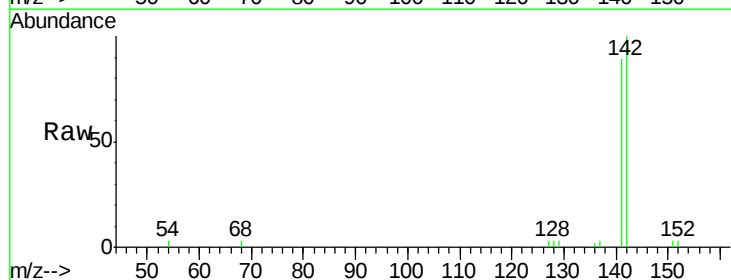
Acq: 15 Mar 2018 9:45

Tgt Ion:142 Resp: 4612

Ion Ratio Lower Upper

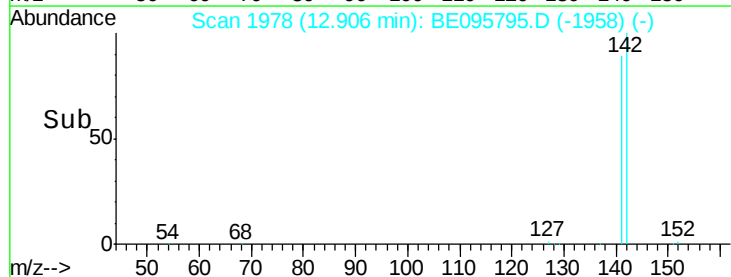
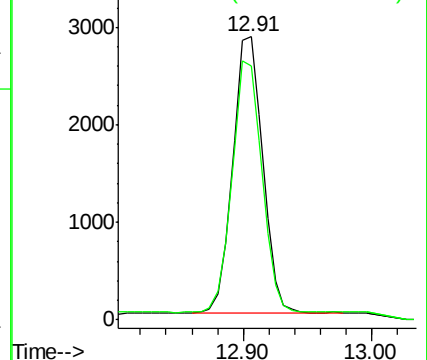
142 100

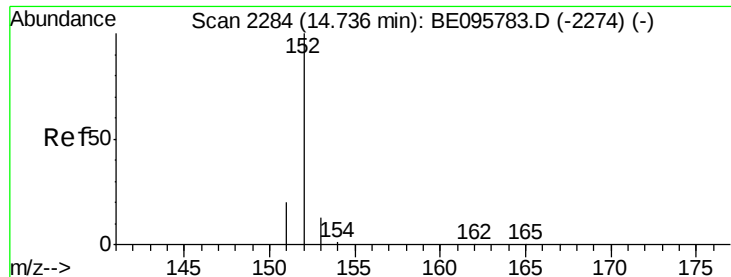
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.380 ng/ul

RT: 14.76 min Scan# 2289

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

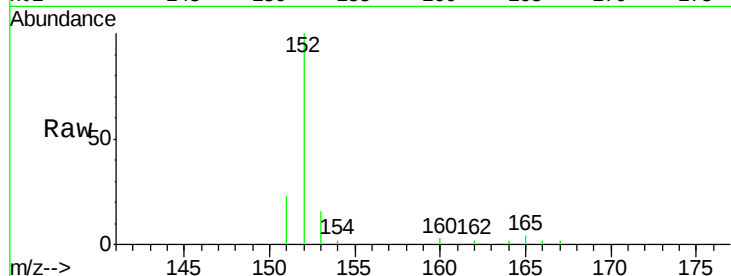
Tot Ion:152 Resp: 6911

Ion Ratio Lower Upper

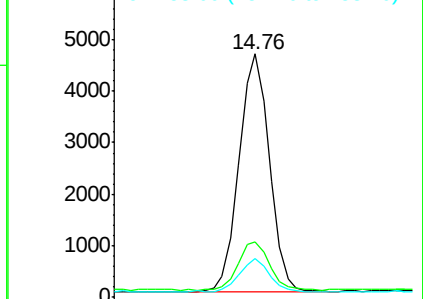
152 100

151 22.9 17.1 25.7

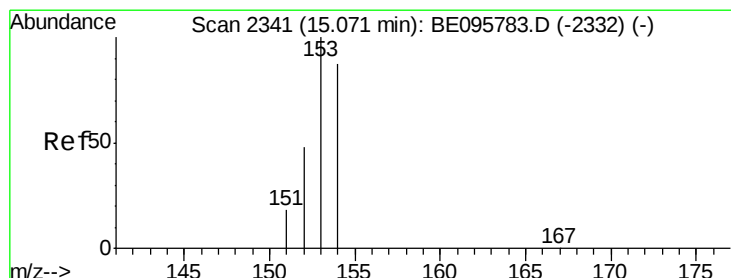
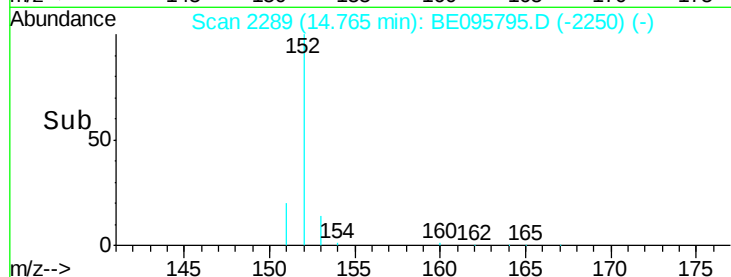
153 15.8 12.8 19.2



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



Time--> 14.70 14.75 14.80 14.85



#8

Acenaphthene

Concen: 0.351 ng/ul

RT: 15.10 min Scan# 2346

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

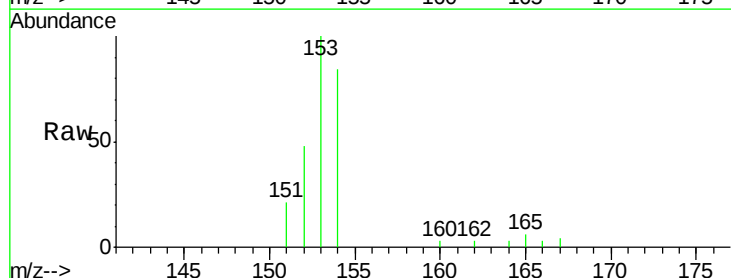
Tgt Ion:153 Resp: 4803

Ion Ratio Lower Upper

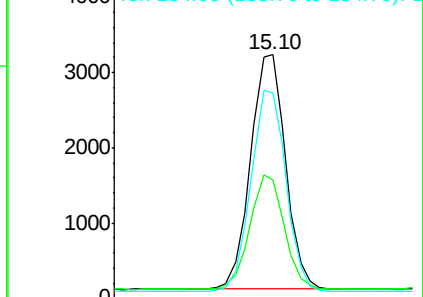
153 100

152 48.4 36.0 54.0

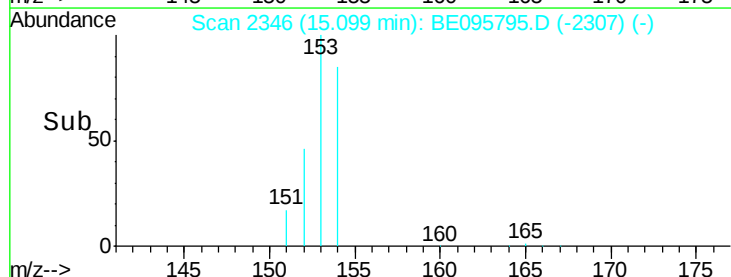
154 84.3 72.0 108.0

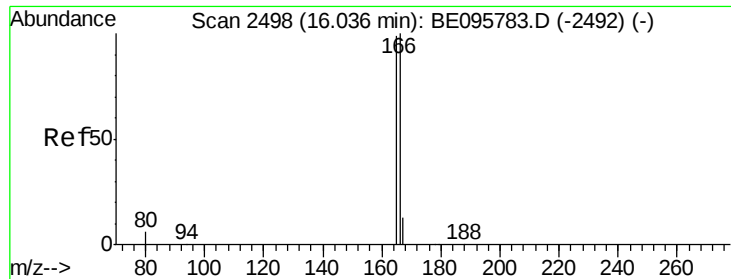


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 15.00 15.05 15.10 15.15





#9

Fluorene

Concen: 0.348 ng/ul

RT: 16.06 min Scan# 2502

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

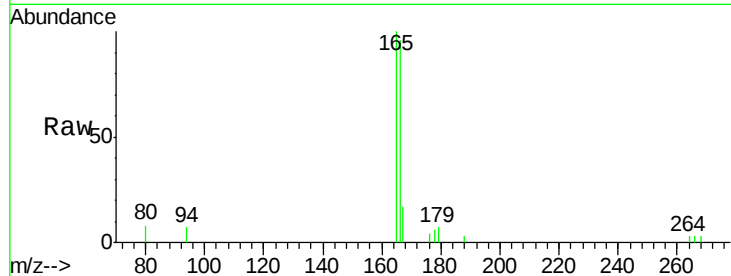
Tot Ion:166 Resp: 5181

Ion Ratio Lower Upper

166 100

165 104.6 73.4 110.2

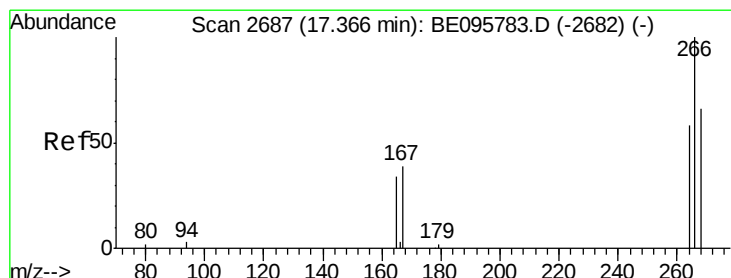
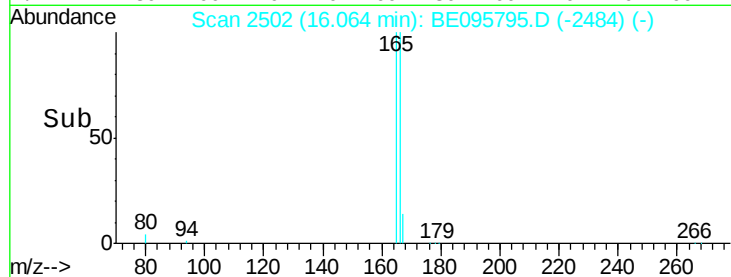
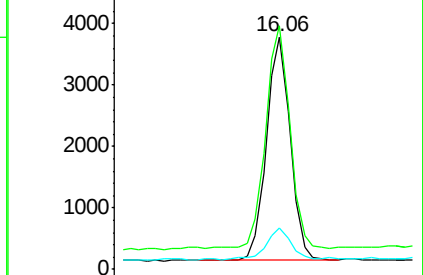
167 17.7 14.6 22.0



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: 0.103 ng/ul

RT: 17.56 min Scan# 2714

Delta R.T. 0.19 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

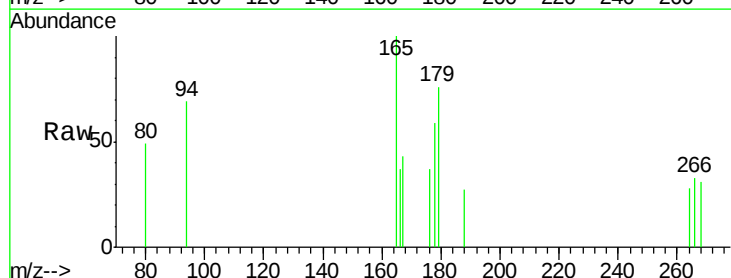
Tgt Ion:266 Resp: 109

Ion Ratio Lower Upper

266 100

264 58.7 47.9 71.9

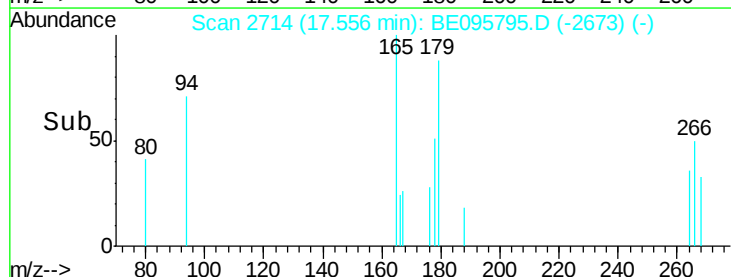
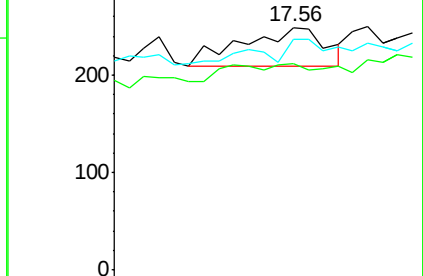
268 52.3 49.8 74.8

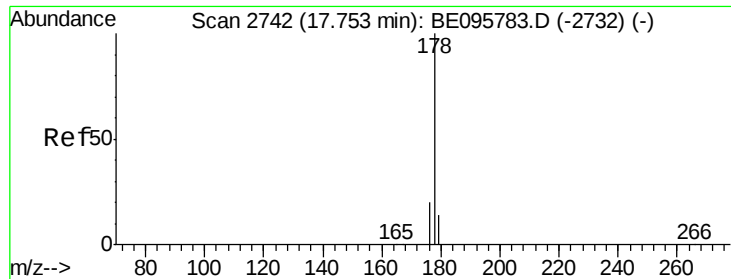


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.350 ng/ul

RT: 17.78 min Scan# 2746

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

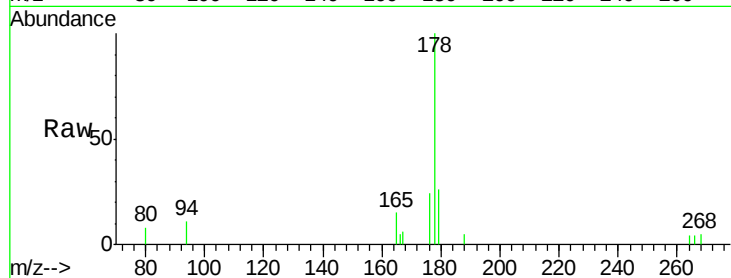
Tot Ion:178 Resp: 7921

Ion Ratio Lower Upper

178 100

179 25.9 18.4 27.6

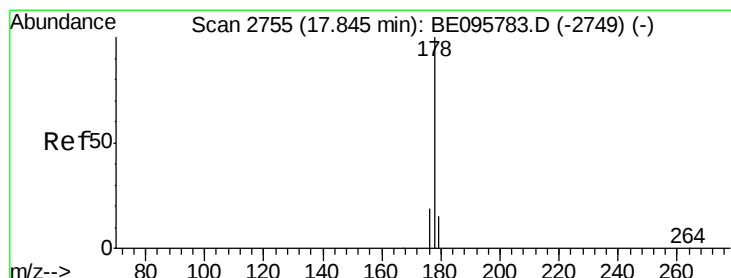
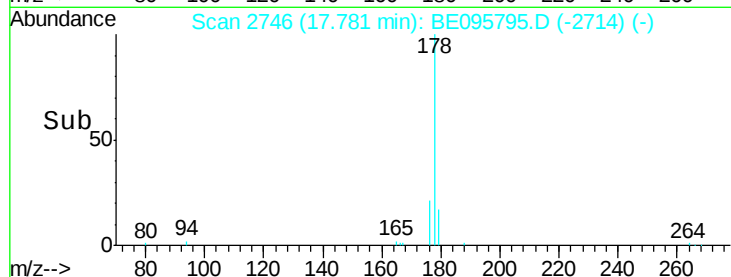
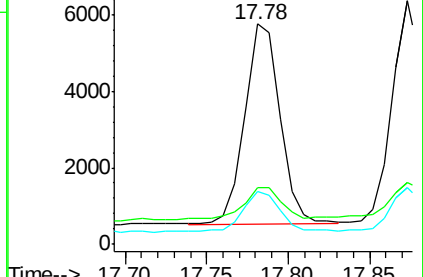
176 24.1 13.6 20.4#



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: 0.385 ng/ul

RT: 17.87 min Scan# 2759

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

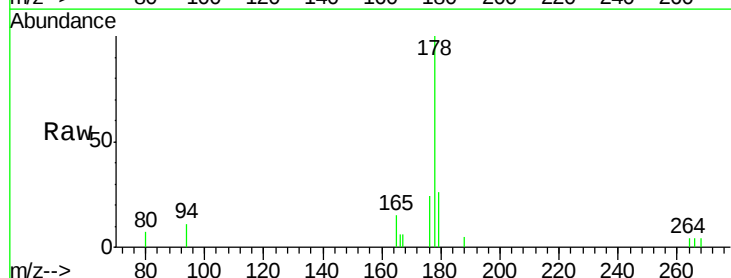
Tgt Ion:178 Resp: 8135

Ion Ratio Lower Upper

178 100

179 25.5 18.1 27.1

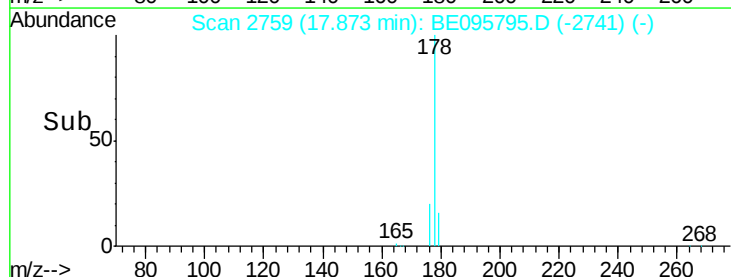
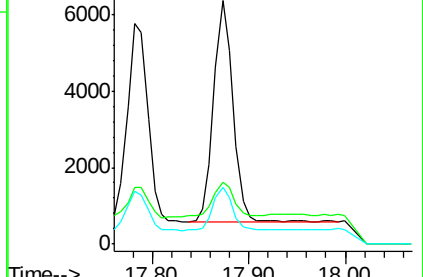
176 23.5 14.7 22.1#

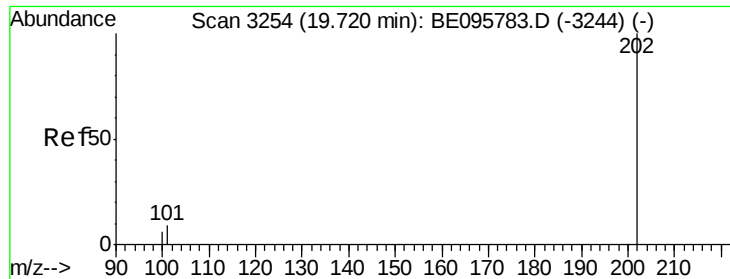


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.366 ng/ul

RT: 19.75 min Scan# 3262

Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

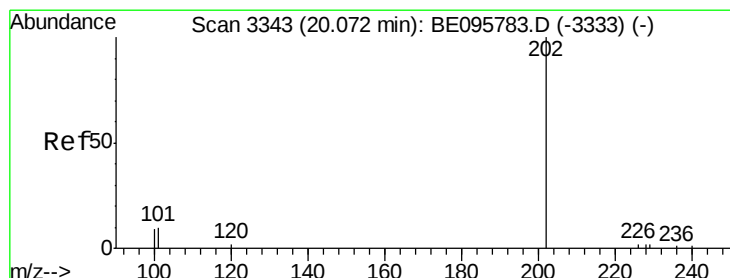
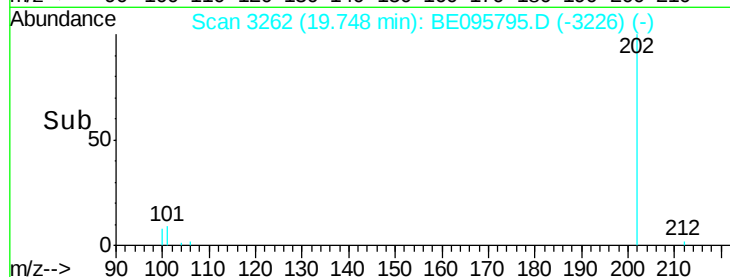
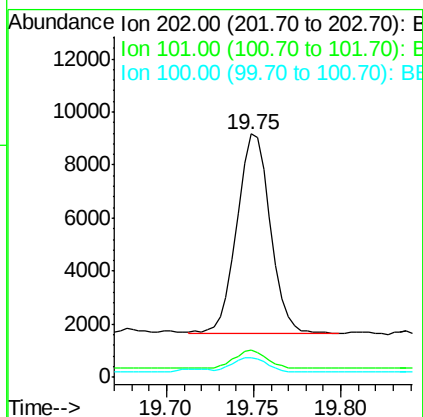
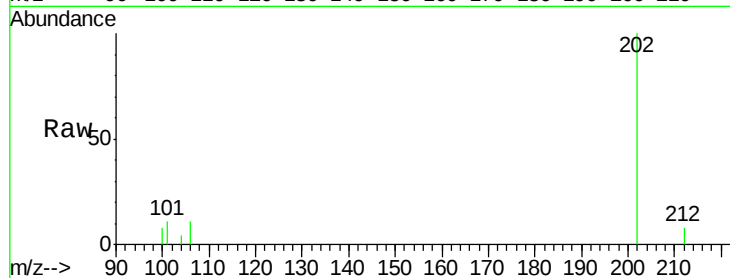
Instrument :

BNA_E

ClientSampleId :

SSTD0.419

Tot Ion:	202	Resp:	10015
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.3
100	8.2	0.0	39.5



#17

Pyrene

Concen: 0.436 ng/ul

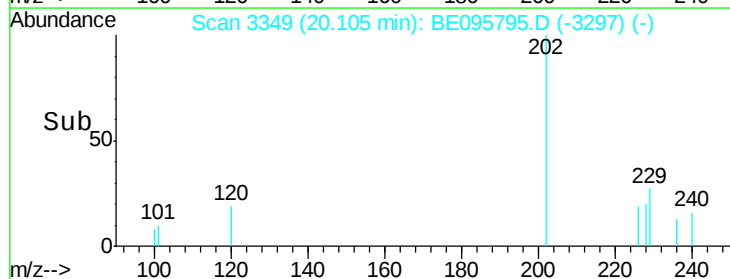
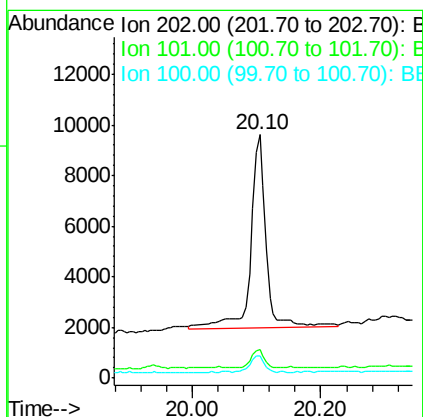
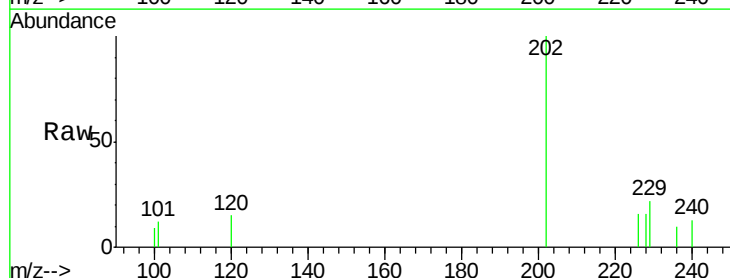
RT: 20.10 min Scan# 3349

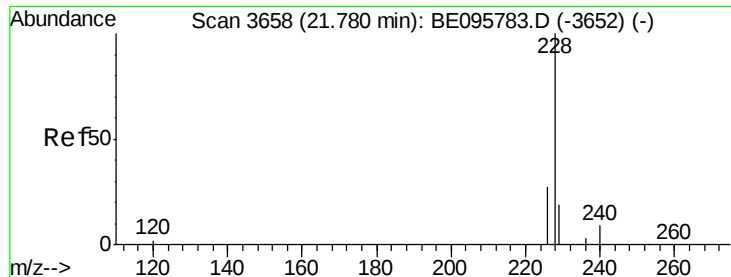
Delta R.T. 0.03 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Tgt Ion:	202	Resp:	13536
Ion	Ratio	Lower	Upper
202	100		
101	11.8	18.2	27.4#
100	9.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.409 ng/ul

RT: 21.82 min Scan# 3663

Delta R.T. 0.04 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

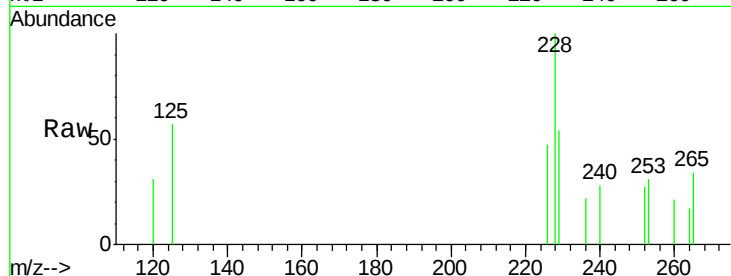
Tot Ion:228 Resp: 10800

Ion Ratio Lower Upper

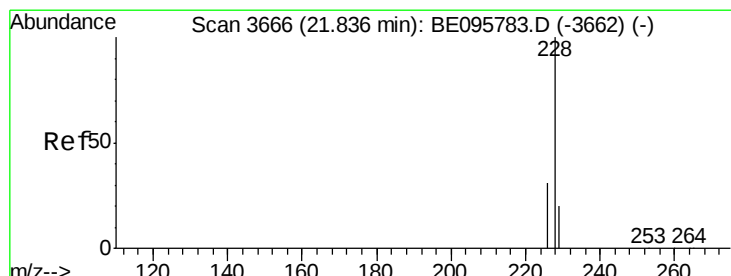
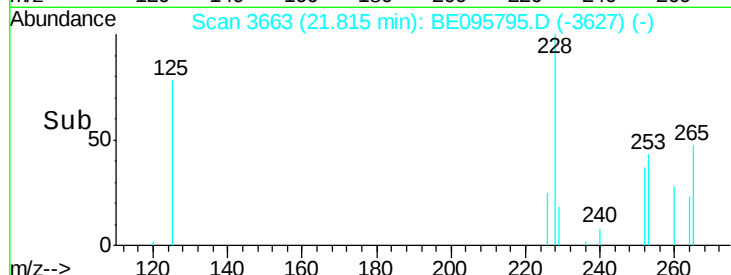
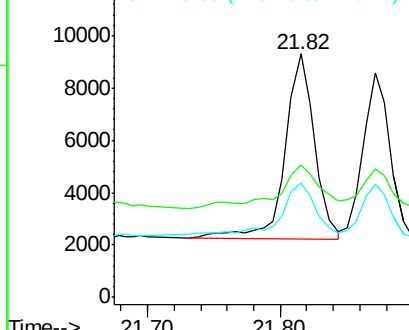
228 100

229 54.3 22.8 34.2#

226 47.0 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: 0.345 ng/ul

RT: 21.87 min Scan# 3671

Delta R.T. 0.04 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

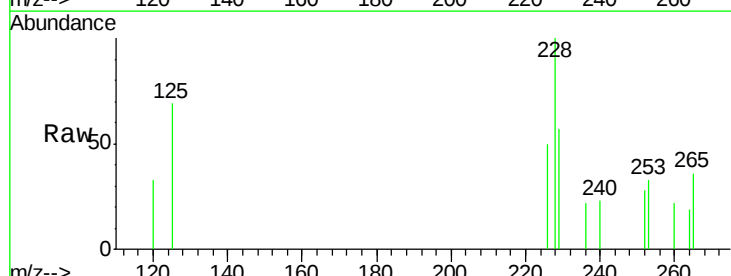
Tgt Ion:228 Resp: 9265

Ion Ratio Lower Upper

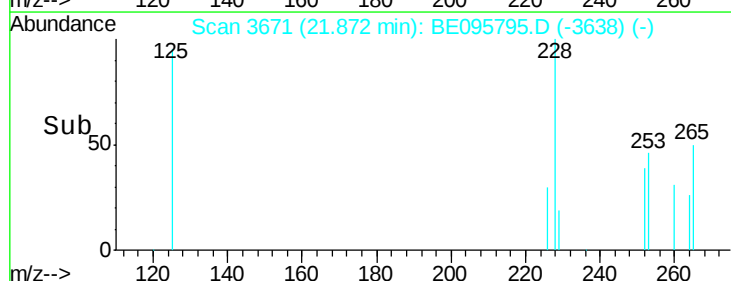
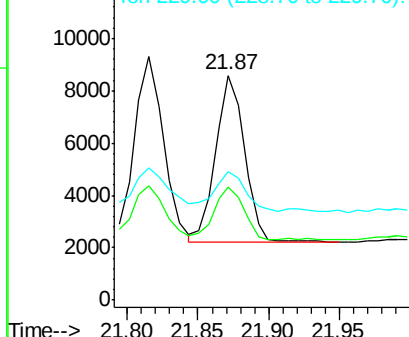
228 100

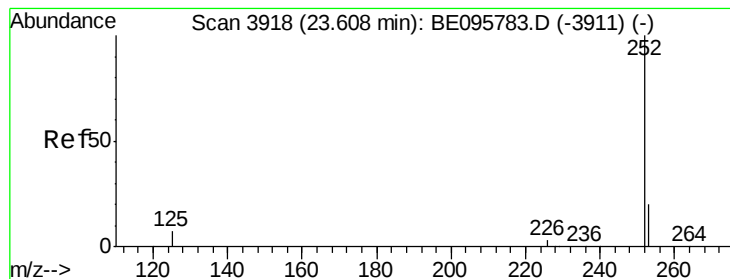
226 50.1 23.4 35.0#

229 57.0 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: 0.340 ng/ul

RT: 23.66 min Scan# 3926

Delta R.T. 0.06 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

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SSTD0.419

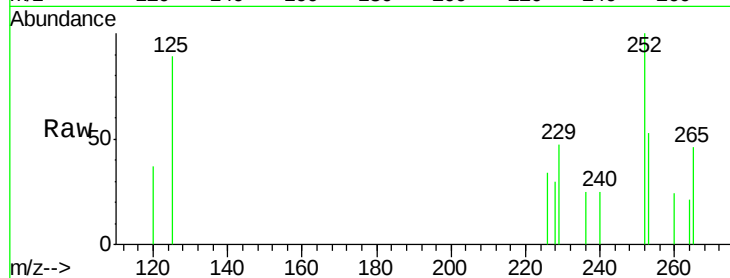
Tot Ion:252 Resp: 8977

Ion Ratio Lower Upper

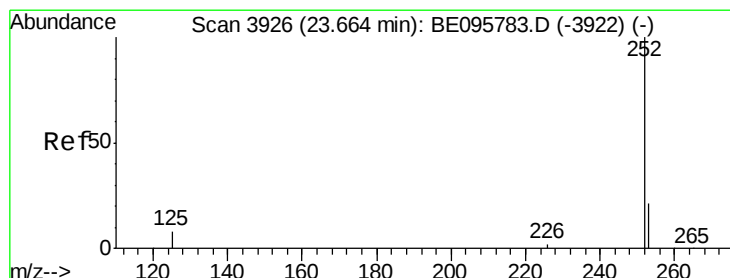
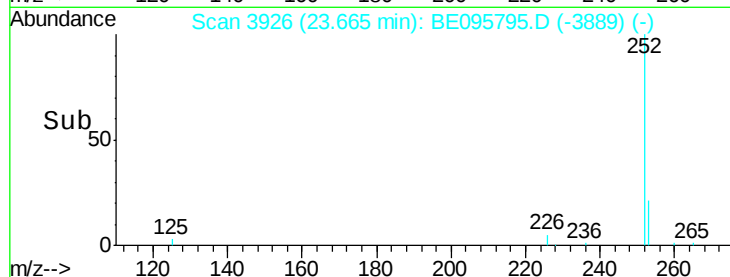
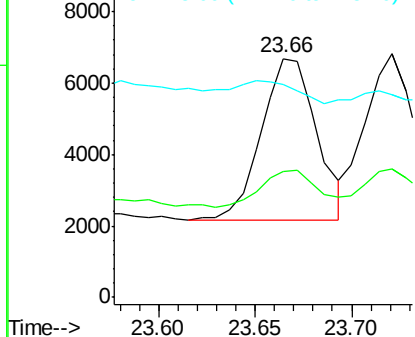
252 100

253 52.5 0.0 64.2

125 88.8 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: 0.356 ng/ul

RT: 23.72 min Scan# 3934

Delta R.T. 0.06 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

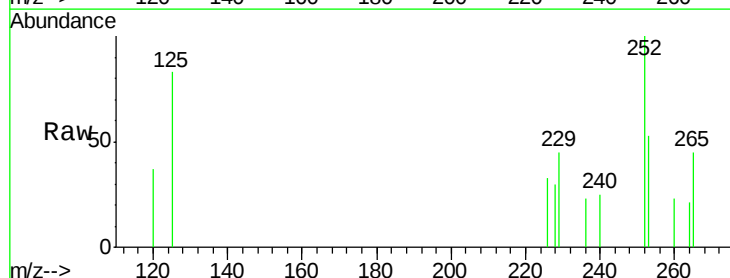
Tgt Ion:252 Resp: 8930

Ion Ratio Lower Upper

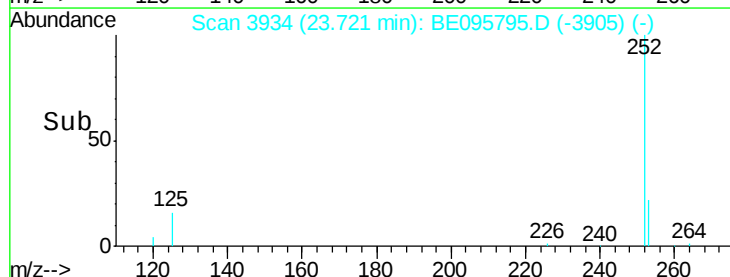
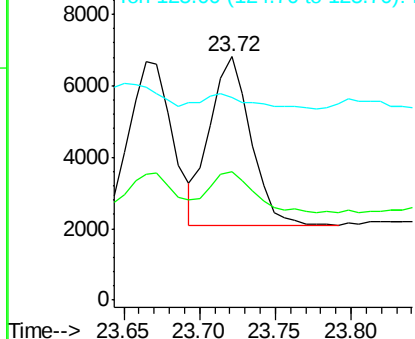
252 100

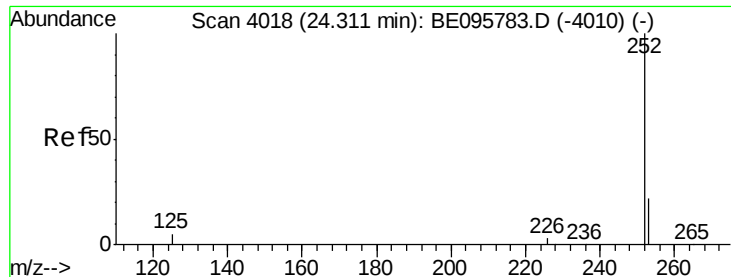
253 52.8 24.5 36.7#

125 83.1 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: 0.381 ng/ul

RT: 24.37 min Scan# 4027

Delta R.T. 0.06 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.419

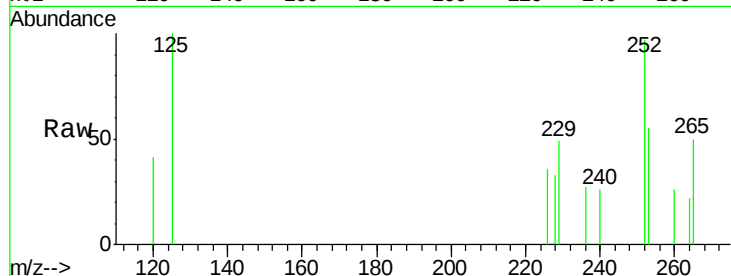
Tot Ion:252 Resp: 9177

Ion Ratio Lower Upper

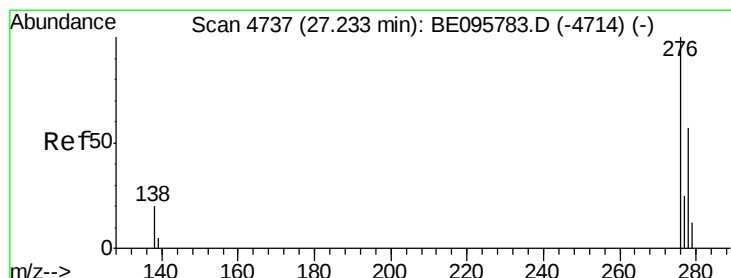
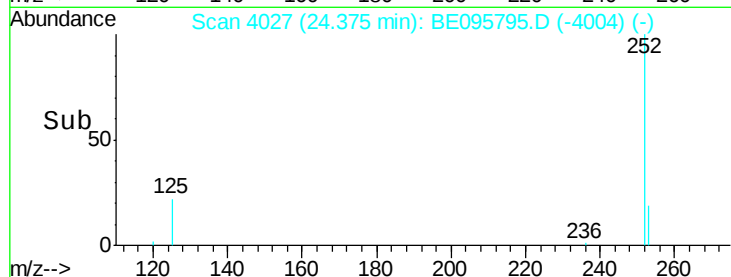
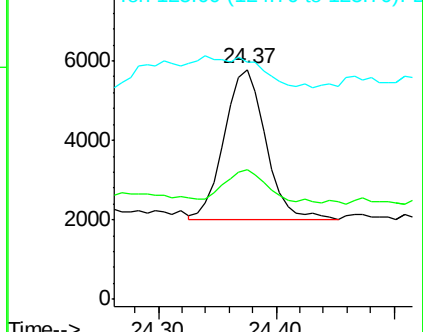
252 100

253 56.4 28.5 42.7#

125 103.2 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: 0.365 ng/ul

RT: 27.35 min Scan# 4770

Delta R.T. 0.12 min

Lab File: BE095795.D

Acq: 15 Mar 2018 9:45

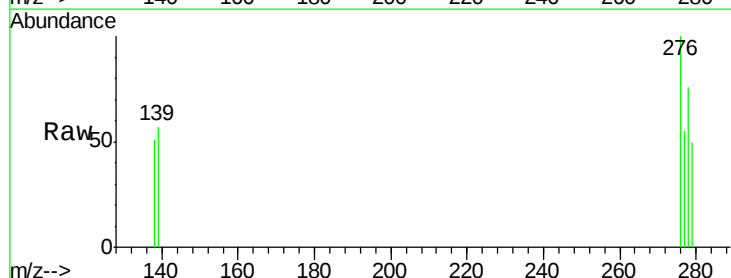
Tgt Ion:276 Resp: 9749

Ion Ratio Lower Upper

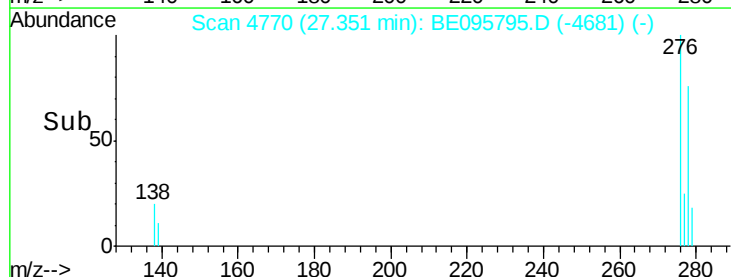
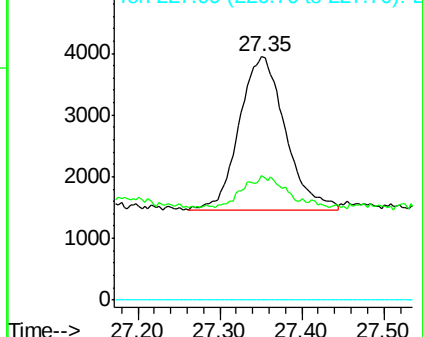
276 100

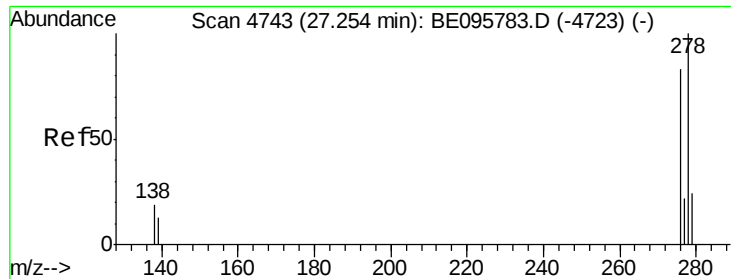
138 8.7 28.0 42.0#

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

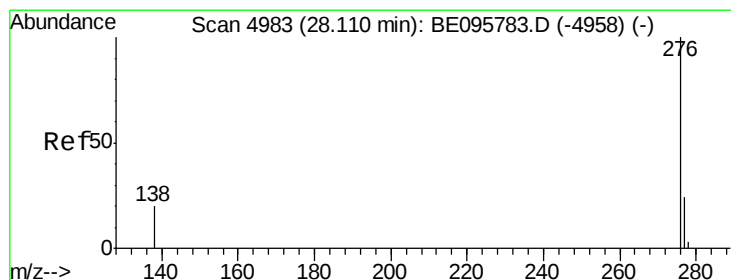
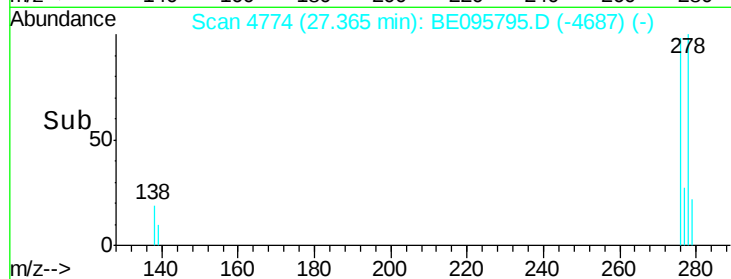
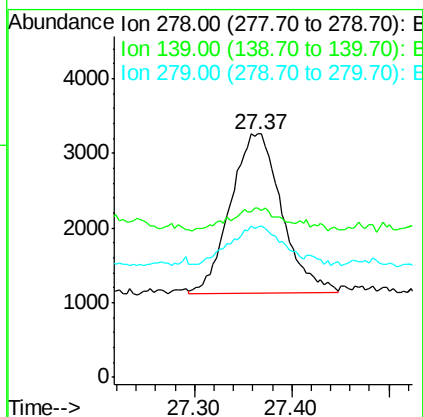
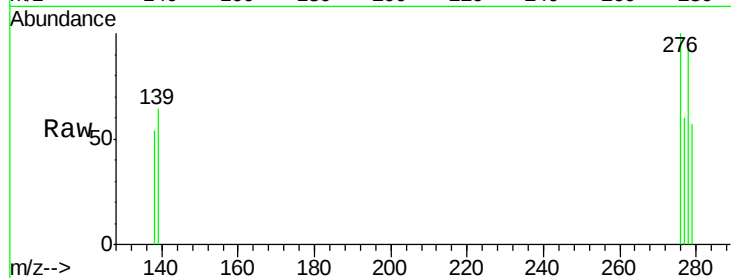




#25
Dibenzo(a,h)anthracene
Concen: 0.366 ng/ul
RT: 27.37 min Scan# 4774
Delta R.T. 0.11 min
Lab File: BE095795.D
Acq: 15 Mar 2018 9:45

Instrument :
BNA_E
ClientSampleId :
SSTD0.419

Tot Ion:278 Resp: 7811
Ion Ratio Lower Upper
278 100
139 69.4 17.4 26.0#
279 61.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.342 ng/ul
RT: 28.24 min Scan# 5019
Delta R.T. 0.13 min
Lab File: BE095795.D
Acq: 15 Mar 2018 9:45

Tgt Ion:276 Resp: 7857
Ion Ratio Lower Upper
276 100
138 55.8 21.8 32.8#
277 59.0 20.5 30.7#

