

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
 Data File : BE097448.D
 Acq On : 12 Sep 2018 10:53
 Operator : SJ/JU
 Sample : J4792-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3YW7

Quant Time: Sep 13 01:17:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 01:16:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	800	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	4174	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	2808	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	7948	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	9245	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	9469	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.72	152	2061	0.32	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	8255	0.31	ng/ul	0.00

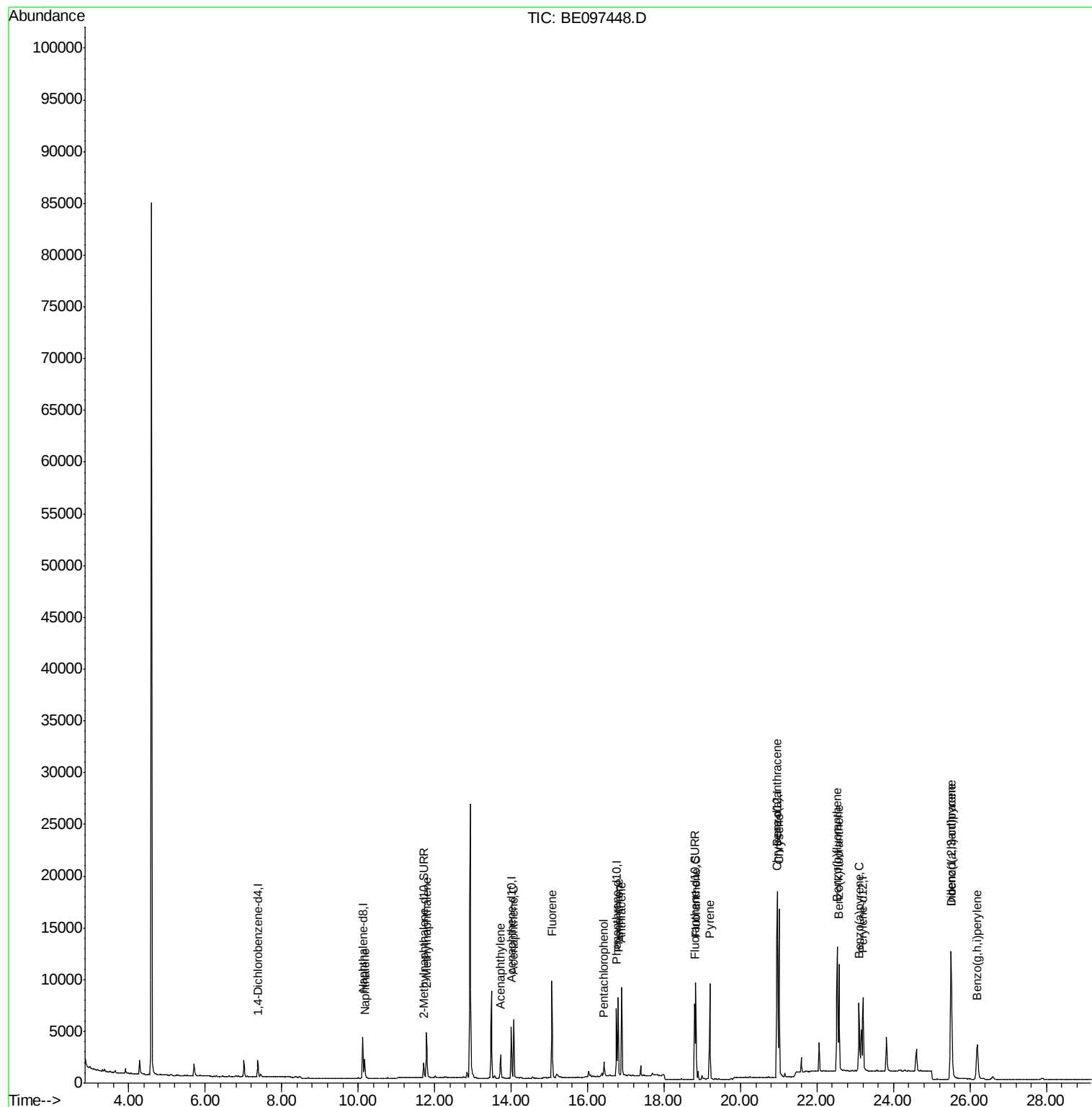
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.17	128	2950	0.290	ng/ul#	95
5) 2-Methylnaphthalene	11.79	142	4046	0.629	ng/ul	97
7) Acenaphthylene	13.72	152	2787	0.272	ng/ul	99
8) Acenaphthene	14.07	153	3360	0.382	ng/ul	95
9) Fluorene	15.07	166	5844	0.580	ng/ul	93
11) Pentachlorophenol	16.43	266	827	1.056	ng/ul	98
12) Phenanthrene	16.80	178	8378	0.409	ng/ul#	89
13) Anthracene	16.89	178	9583	0.557	ng/ul#	92
15) Fluoranthene	18.83	202	10395	0.395	ng/ul	84
17) Pyrene	19.20	202	10484	0.421	ng/ul#	80
18) Benzo(a)anthracene	20.95	228	13035	0.549	ng/ul#	85
19) Chrysene	21.00	228	12826	0.469	ng/ul	97
21) Benzo(b)fluoranthene	22.53	252	15720	0.620	ng/ul	83
22) Benzo(k)fluoranthene	22.57	252	8853	0.313	ng/ul#	63
23) Benzo(a)pyrene	23.10	252	10049	0.428	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.51	276	4806	0.158	ng/ul#	79
25) Dibenzo(a,h)anthracene	25.51	278	19838	0.770	ng/ul#	89
26) Benzo(g,h,i)perylene	26.19	276	7947	0.307	ng/ul#	92

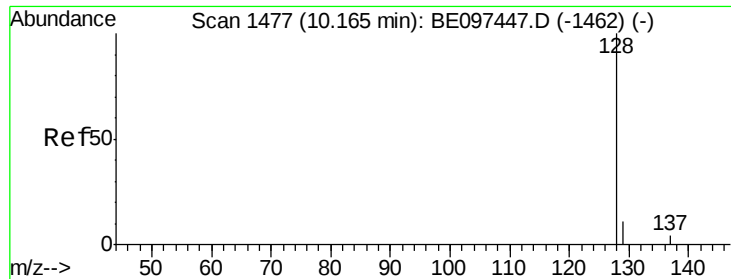
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
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#3

Naphthalene

Concen: 0.290 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

BNA_E

ClientSampleId :

A3YW7

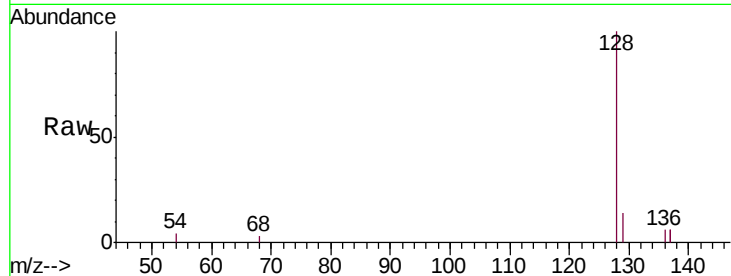
Tgt Ion:128 Resp: 2950

Ion Ratio Lower Upper

128 100

129 13.7 11.3 16.9

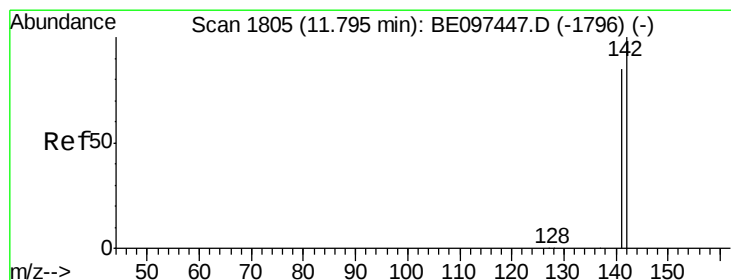
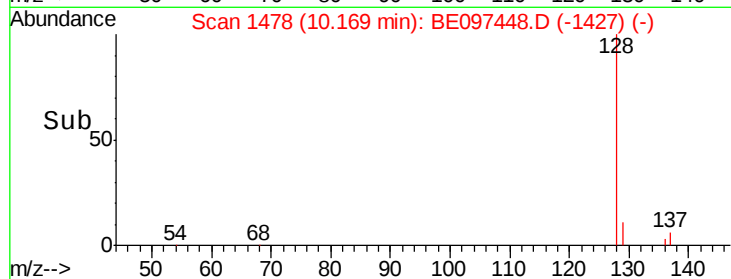
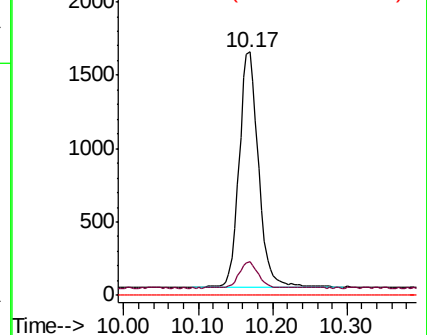
127 0.0 4.0 6.0#



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: 0.629 ng/ul

RT: 11.79 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BE097448.D

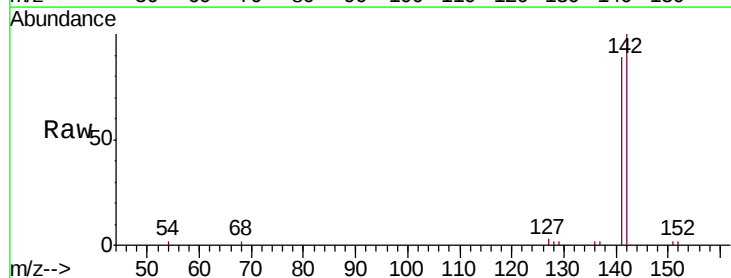
Acq: 12 Sep 2018 10:53

Tgt Ion:142 Resp: 4046

Ion Ratio Lower Upper

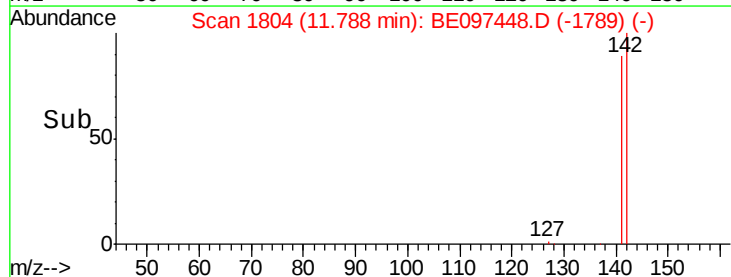
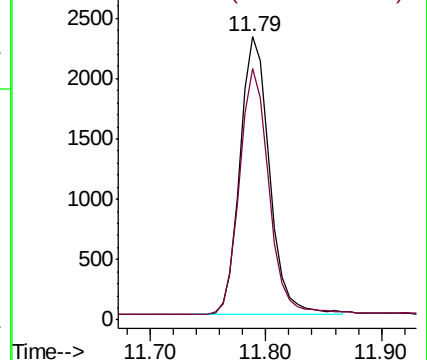
142 100

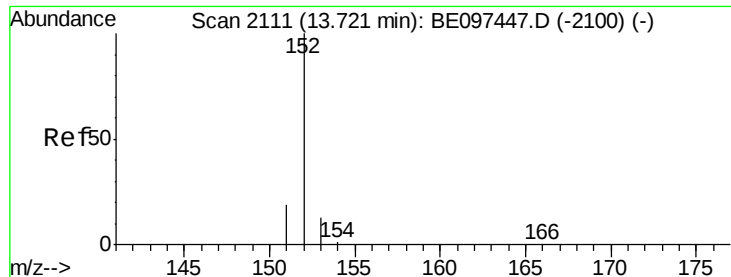
141 87.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.272 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

BNA_E

ClientSampleId :

A3YW7

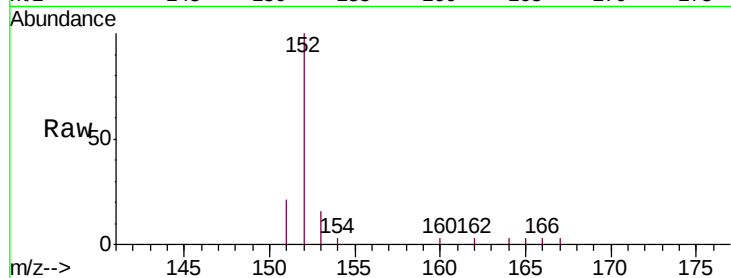
Tgt Ion:152 Resp: 2787

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

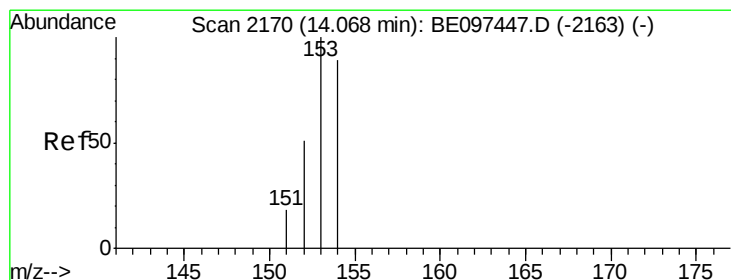
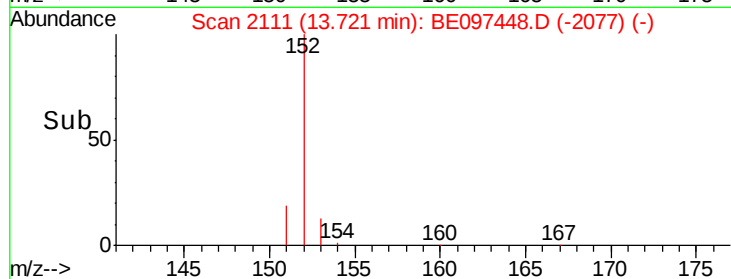
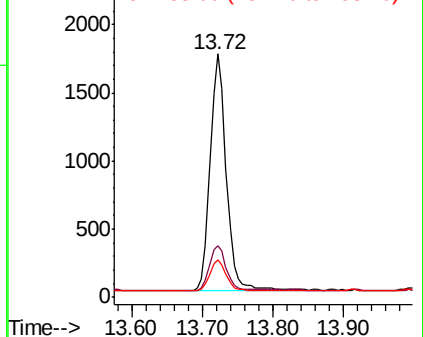
153 15.6 12.8 19.2



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: 0.382 ng/ul

RT: 14.07 min Scan# 2170

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

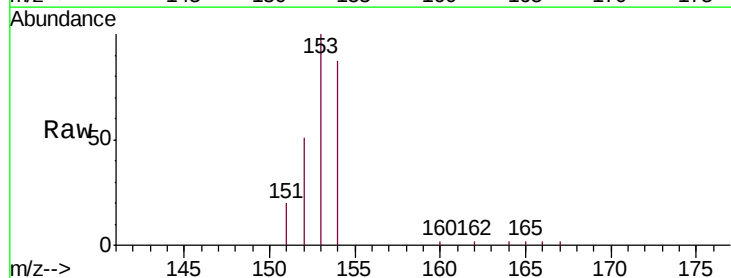
Tgt Ion:153 Resp: 3360

Ion Ratio Lower Upper

153 100

152 50.9 36.0 54.0

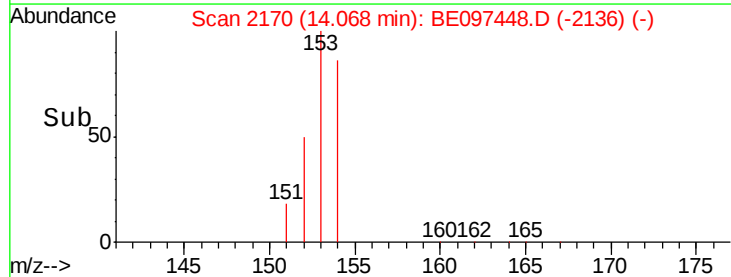
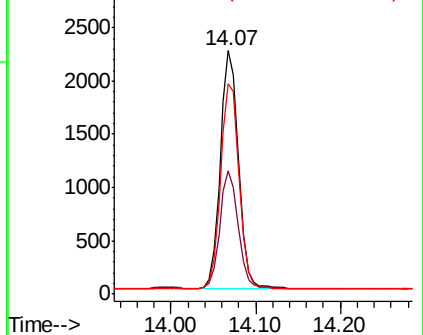
154 86.6 72.0 108.0

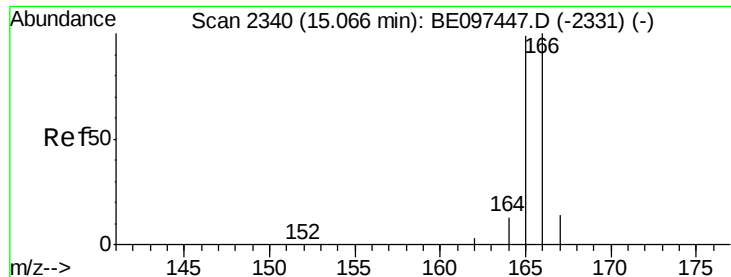


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.580 ng/ul

RT: 15.07 min Scan# 2340

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

BNA_E

ClientSampleId :

A3YW7

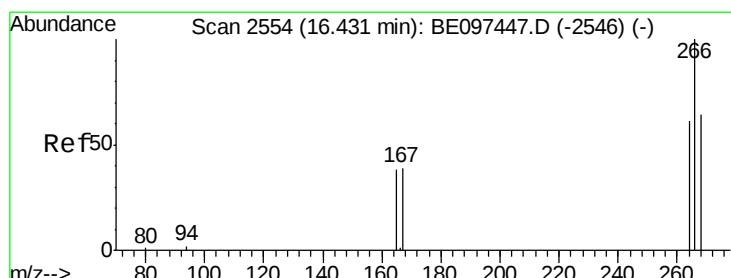
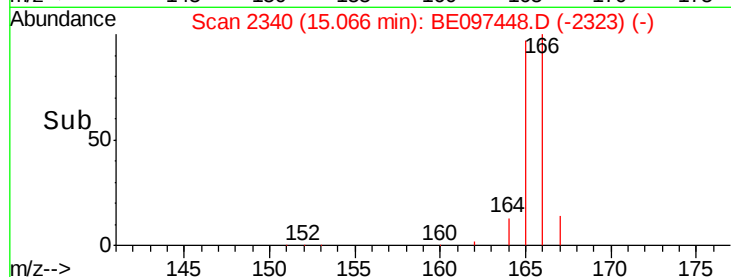
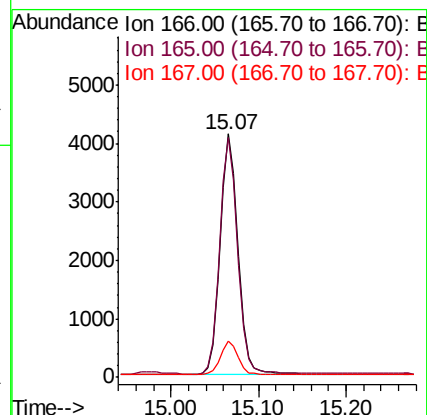
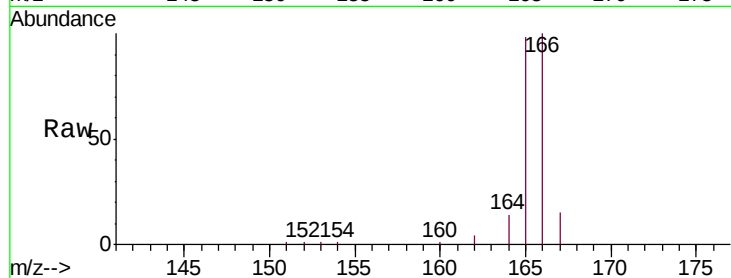
Tgt Ion:166 Resp: 5844

Ion Ratio Lower Upper

166 100

165 98.3 73.4 110.2

167 14.8 14.6 22.0



#11

Pentachlorophenol

Concen: 1.056 ng/ul

RT: 16.43 min Scan# 2554

Delta R.T. -0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

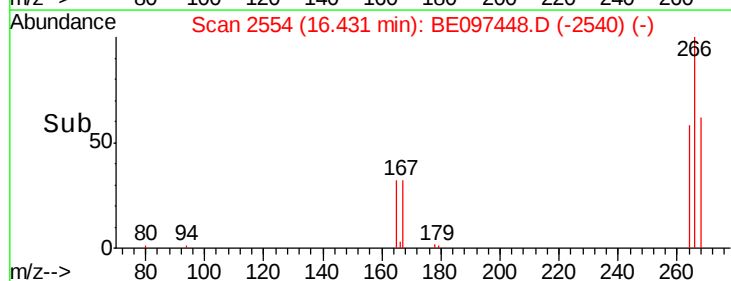
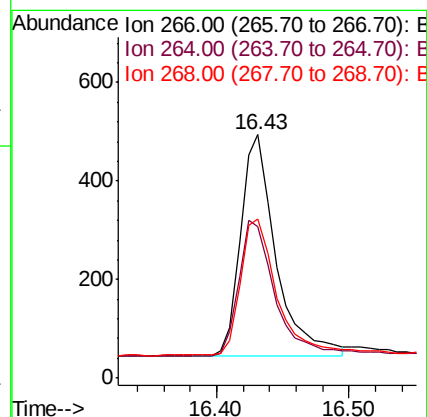
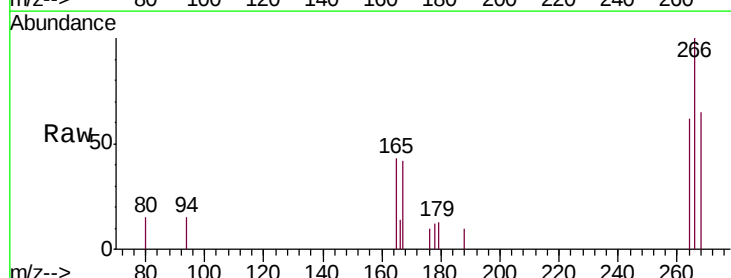
Tgt Ion:266 Resp: 827

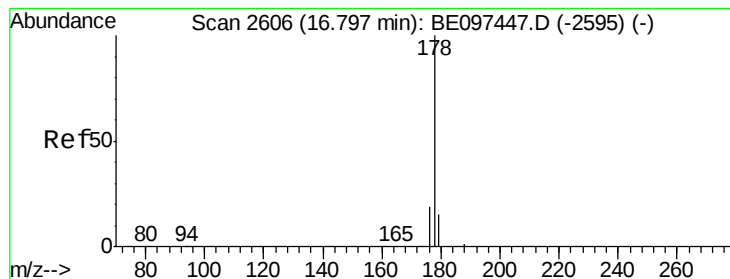
Ion Ratio Lower Upper

266 100

264 62.6 47.9 71.9

268 63.2 49.8 74.8





#12

Phenanthrene

Concen: 0.409 ng/ul

RT: 16.80 min Scan# 2606

Delta R.T. -0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

BNA_E

ClientSampleId :

A3YW7

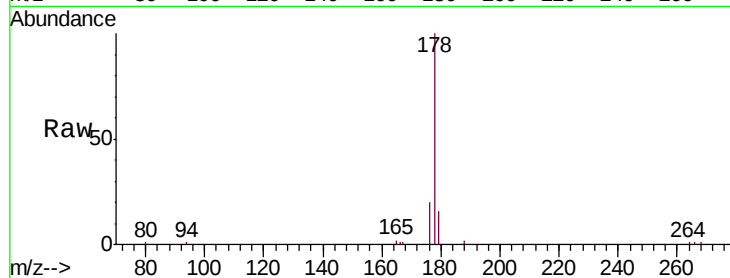
Tgt Ion:178 Resp: 8378

Ion Ratio Lower Upper

178 100

179 16.2 18.4 27.6#

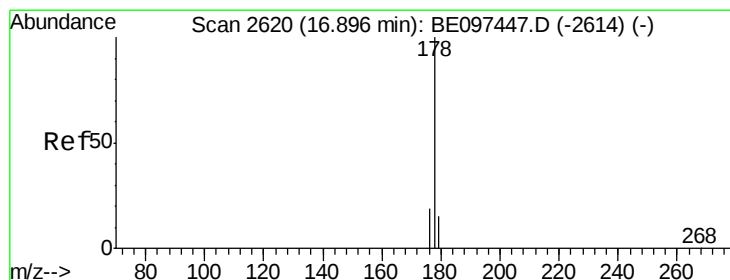
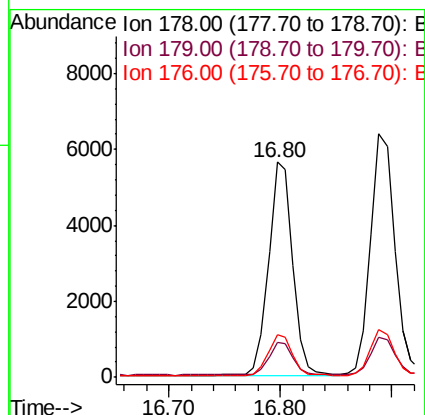
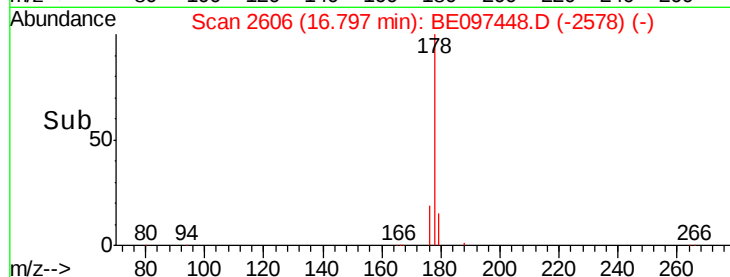
176 19.9 13.6 20.4



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: 0.557 ng/ul

RT: 16.89 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

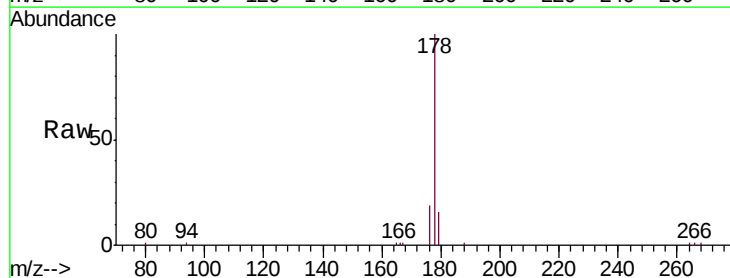
Tgt Ion:178 Resp: 9583

Ion Ratio Lower Upper

178 100

179 16.4 18.1 27.1#

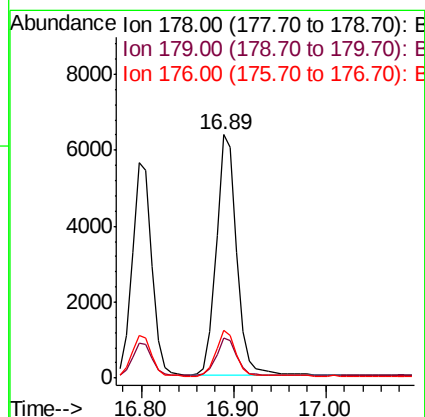
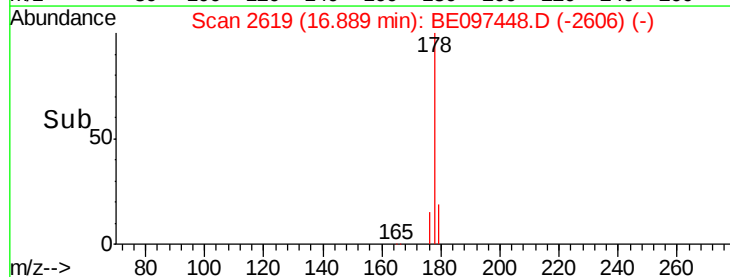
176 19.4 14.7 22.1

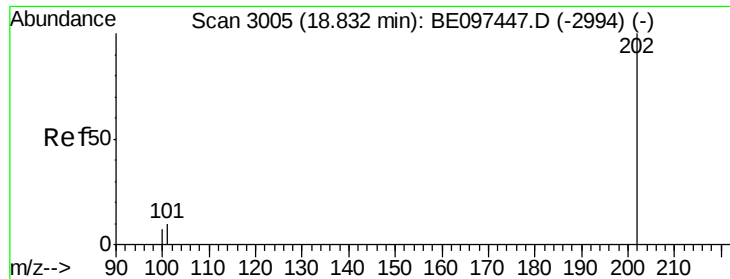


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.395 ng/ul

RT: 18.83 min Scan# 3005

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

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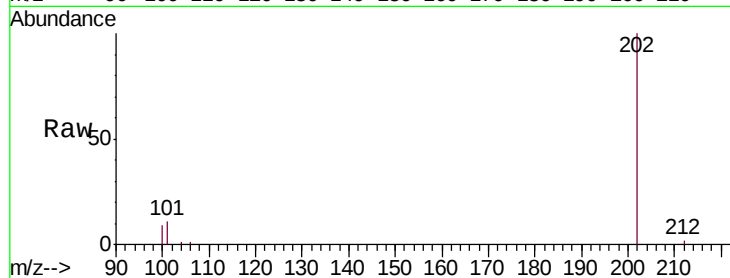
Tgt Ion:202 Resp: 10395

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.3

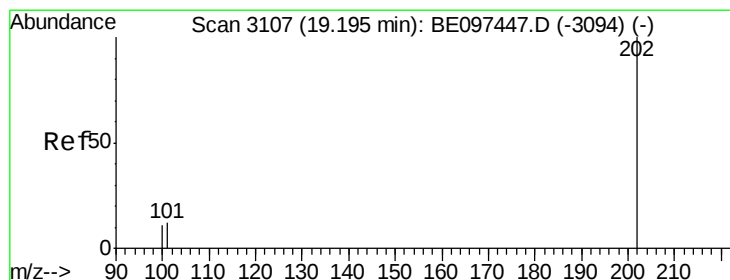
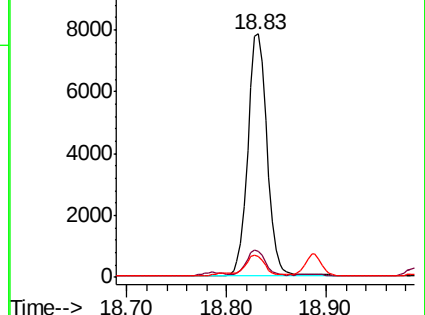
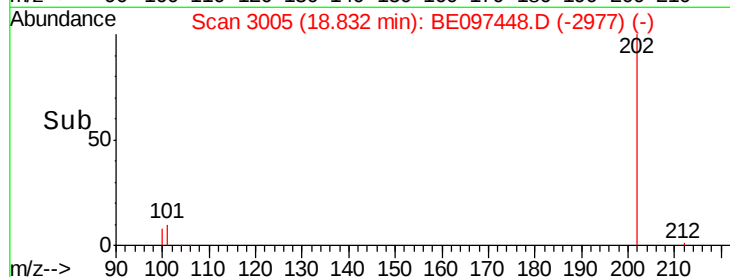
100 8.8 0.0 39.5



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: 0.421 ng/ul

RT: 19.20 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

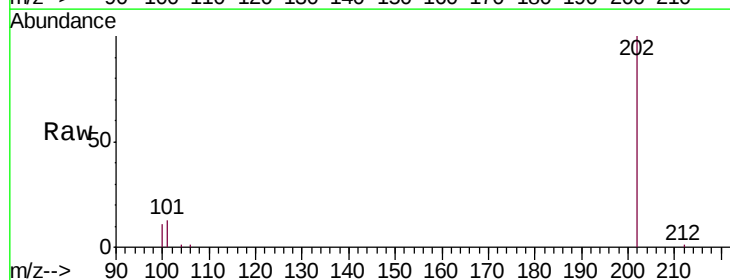
Tgt Ion:202 Resp: 10484

Ion Ratio Lower Upper

202 100

101 12.5 18.2 27.4#

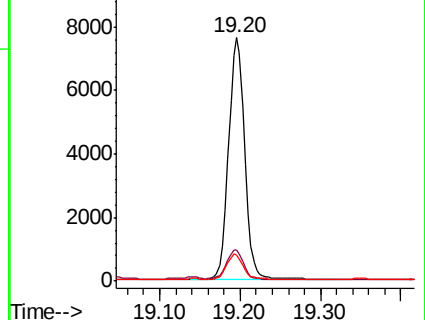
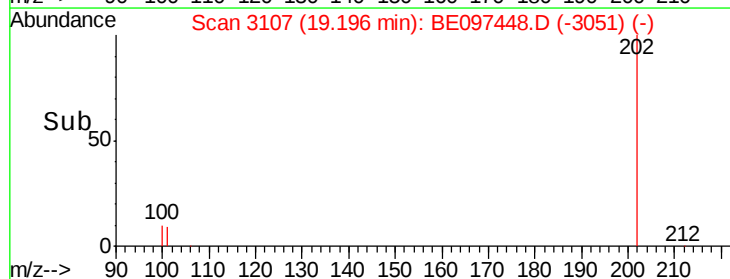
100 10.8 15.6 23.4#

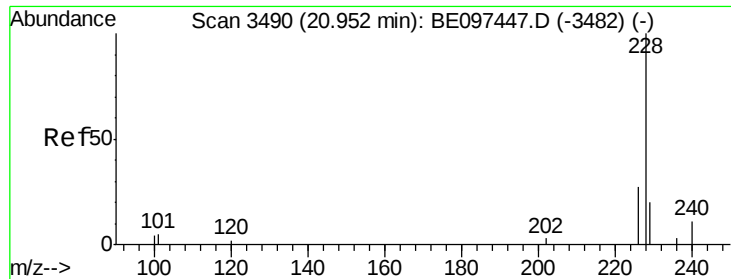


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.549 ng/ul

RT: 20.95 min Scan# 3490

Delta R.T. -0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

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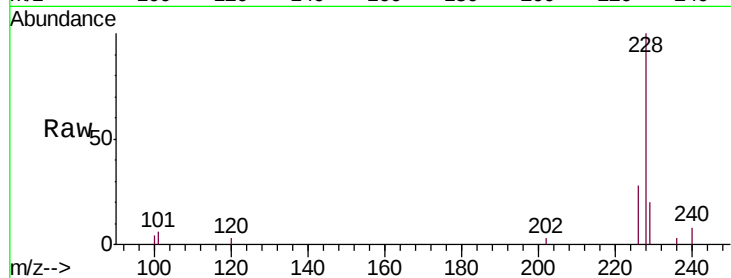
Tgt Ion:228 Resp: 13035

Ion Ratio Lower Upper

228 100

229 19.8 22.8 34.2#

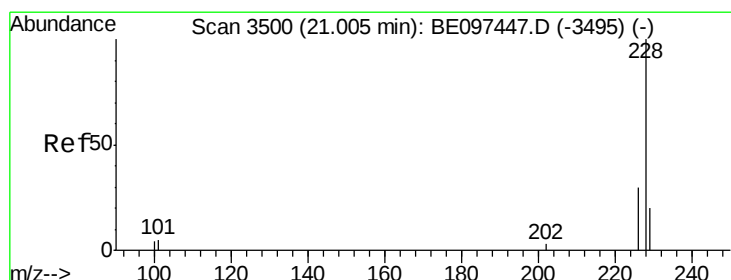
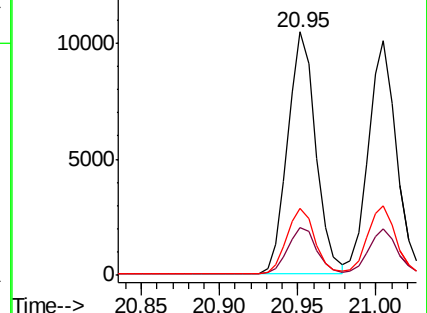
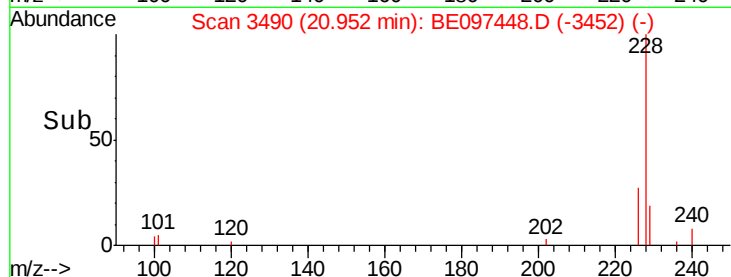
226 27.6 17.0 25.6#



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: 0.469 ng/ul

RT: 21.00 min Scan# 3500

Delta R.T. -0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

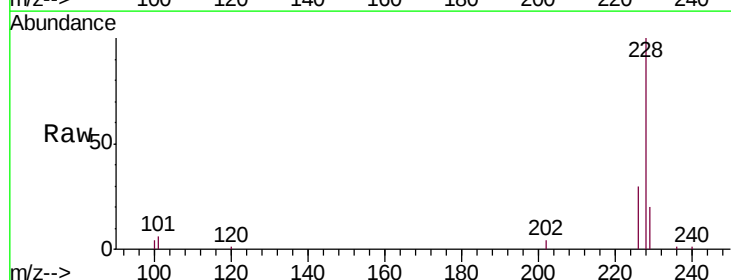
Tgt Ion:228 Resp: 12826

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

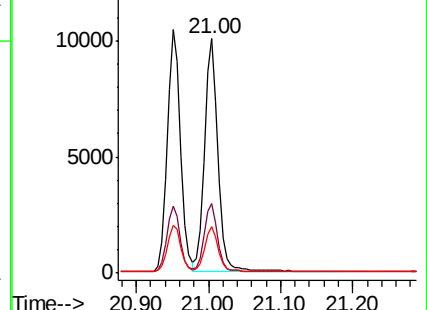
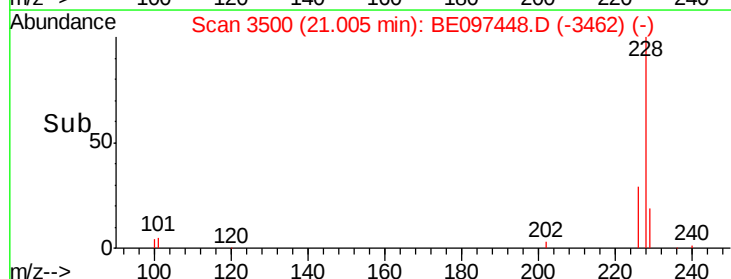
229 19.9 17.7 26.5

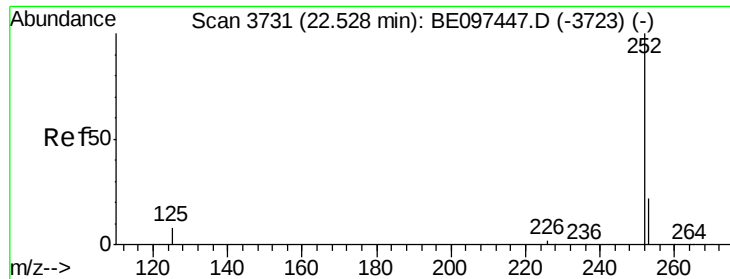


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.620 ng/ul

RT: 22.53 min Scan# 3731

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

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ClientSampleId :

A3YW7

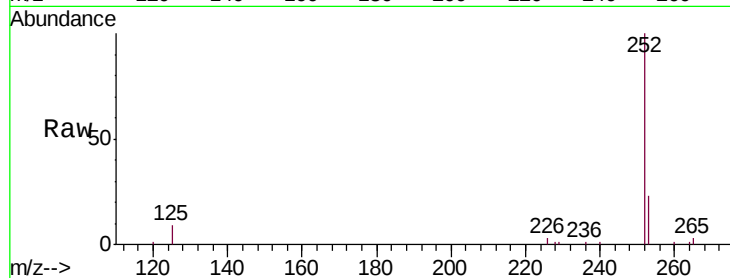
Tgt Ion:252 Resp: 15720

Ion Ratio Lower Upper

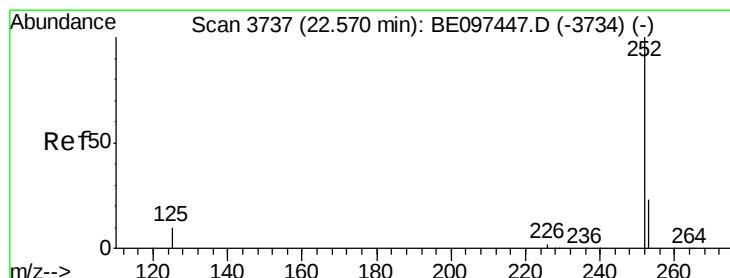
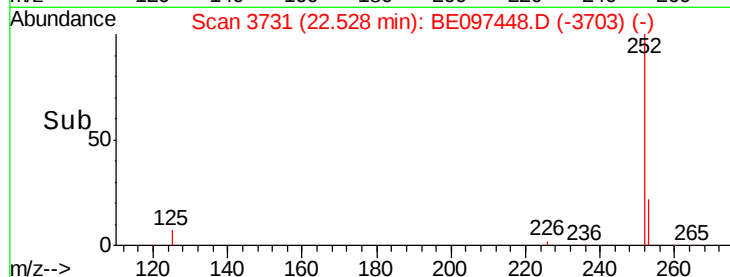
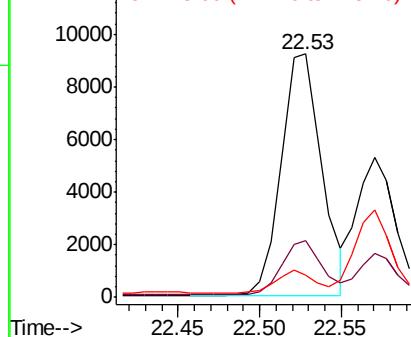
252 100

253 23.1 0.0 64.2

125 9.2 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: 0.313 ng/ul

RT: 22.57 min Scan# 3737

Delta R.T. 0.00 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

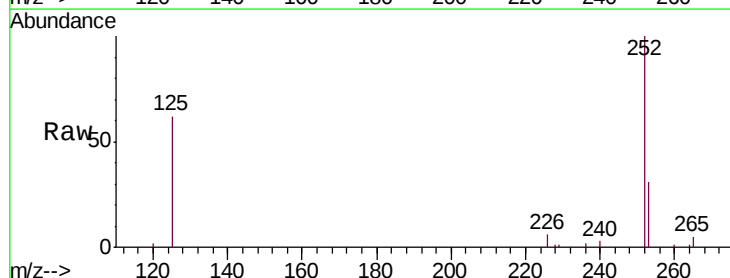
Tgt Ion:252 Resp: 8853

Ion Ratio Lower Upper

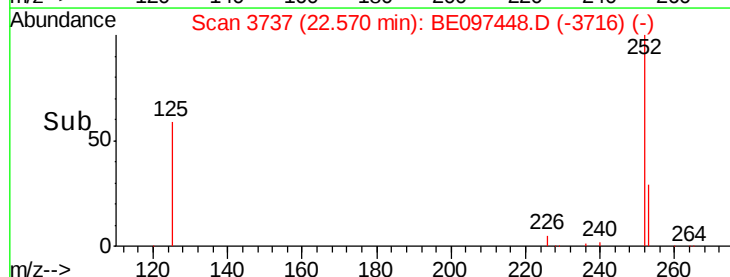
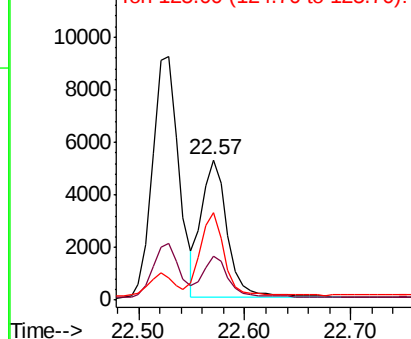
252 100

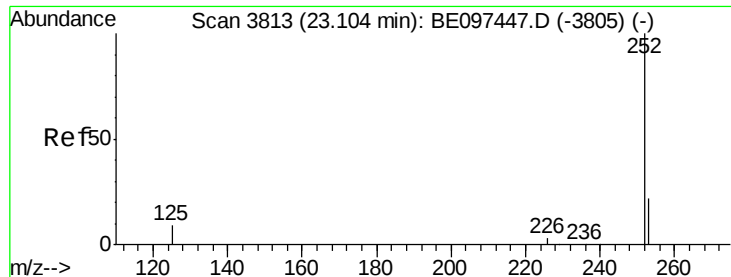
253 31.0 24.5 36.7

125 61.8 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: 0.428 ng/ul

RT: 23.10 min Scan# 3812

Delta R.T. -0.01 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

Instrument :

BNA_E

ClientSampleId :

A3YW7

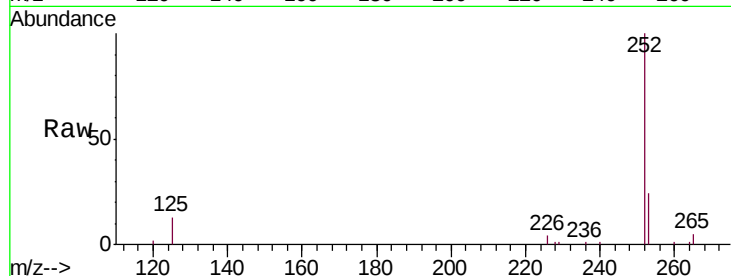
Tgt Ion:252 Resp: 10049

Ion Ratio Lower Upper

252 100

253 23.8 28.5 42.7#

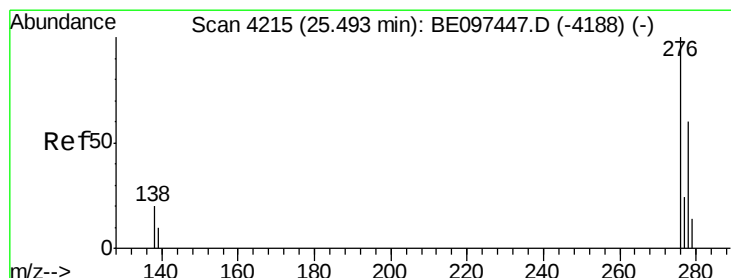
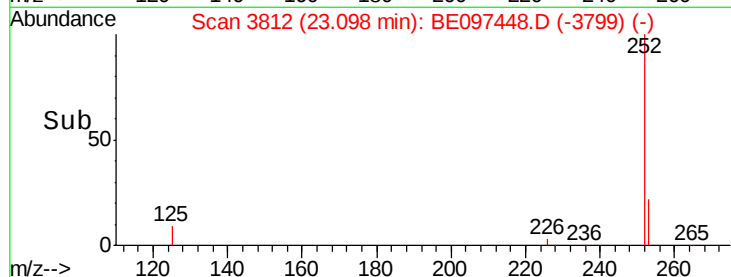
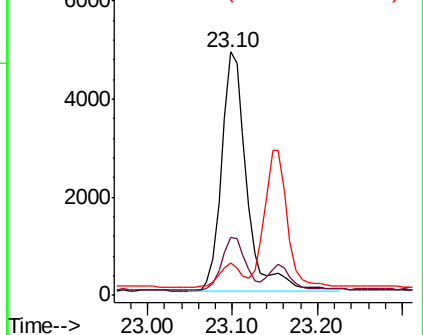
125 13.1 18.1 27.1#



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: 0.158 ng/ul

RT: 25.51 min Scan# 4219

Delta R.T. 0.01 min

Lab File: BE097448.D

Acq: 12 Sep 2018 10:53

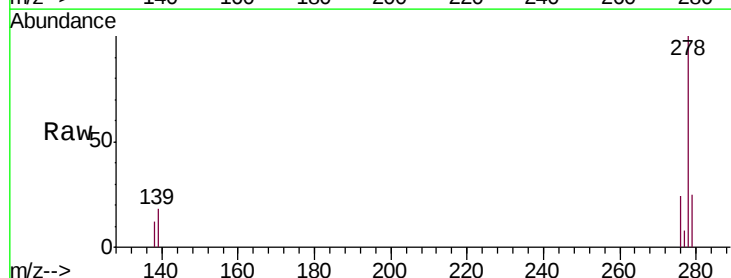
Tgt Ion:276 Resp: 4806

Ion Ratio Lower Upper

276 100

138 46.1 28.0 42.0#

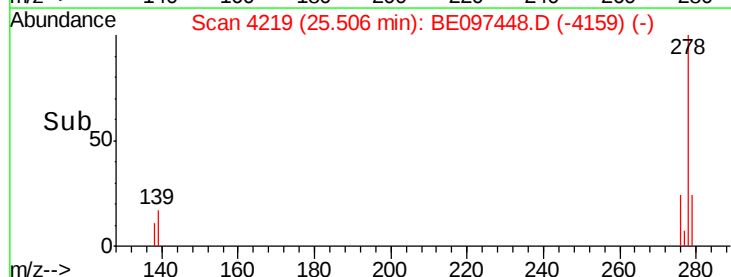
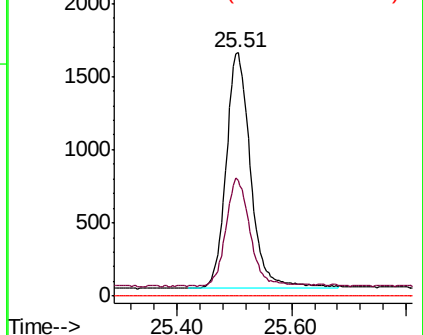
227 0.0 8.0 12.0#

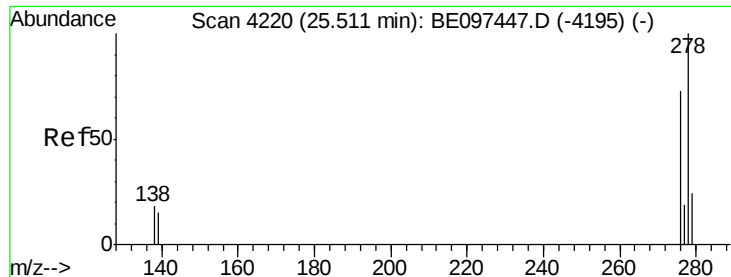


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



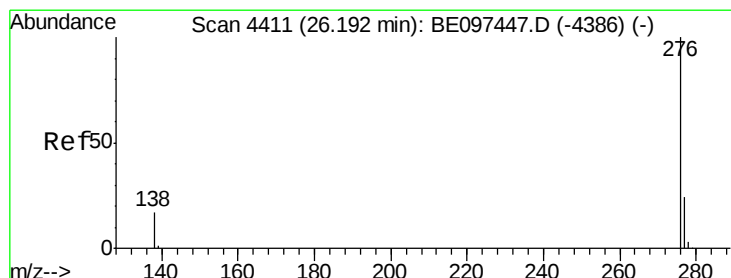
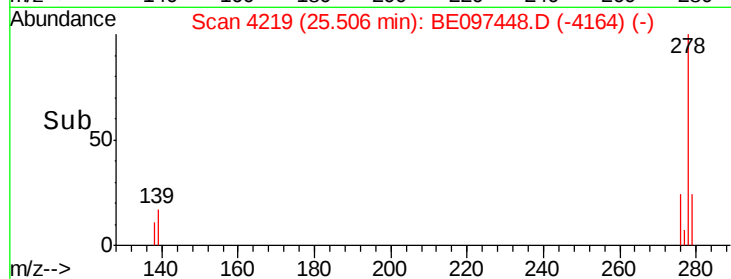
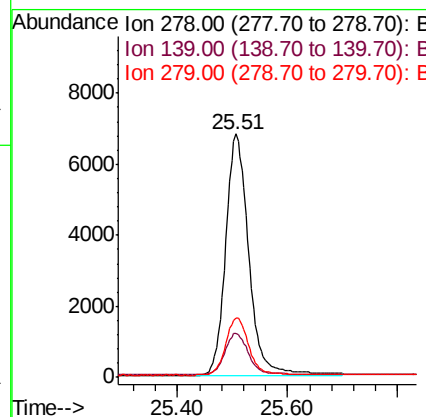
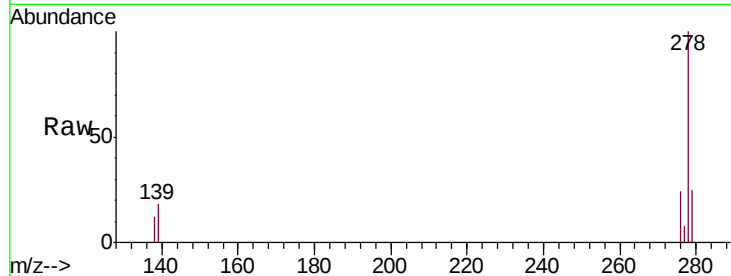


#25
Dibenzo(a,h)anthracene
Concen: 0.770 ng/ul
RT: 25.51 min Scan# 4219
Delta R.T. -0.01 min
Lab File: BE097448.D
Acq: 12 Sep 2018 10:53

Instrument :
BNA_E
ClientSampleId :
A3YW7

Tgt Ion: 278 Resp: 19838

Ion	Ratio	Lower	Upper
278	100		
139	18.0	17.4	26.0
279	24.6	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.307 ng/ul
RT: 26.19 min Scan# 4411
Delta R.T. -0.00 min
Lab File: BE097448.D
Acq: 12 Sep 2018 10:53

Tgt Ion: 276 Resp: 7947

Ion	Ratio	Lower	Upper
276	100		
138	20.0	21.8	32.8#
277	24.3	20.5	30.7

