

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042518\
 Data File : BE096142.D
 Acq On : 25 Apr 2018 10:25
 Operator : SJ/JU
 Sample : J2467-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 26 04:18:21 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 26 04:18:04 2018
 Response via : Initial Calibration

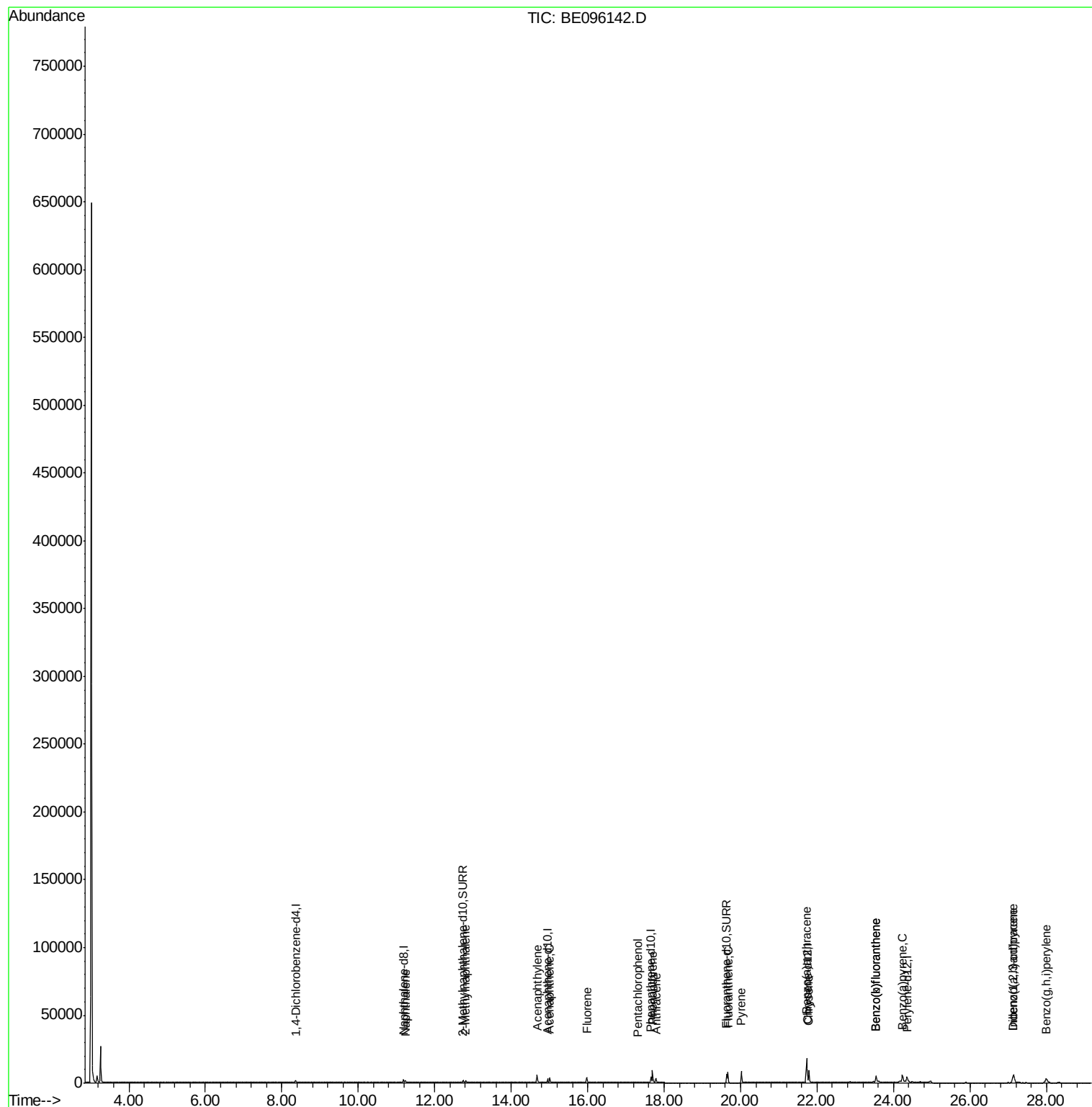
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	740	0.40	ng/ul	0.00
2) Naphthalene-d8	11.18	136	2736	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	1504	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4392	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	6755	0.40	ng/ul	0.00
20) Perylene-d12	24.35	264	5234	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.74	152	1762	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	7253	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.23	128	1944	0.255	ng/ul#	90
5) 2-Methylnaphthalene	12.81	142	1434	0.281	ng/ul	100
7) Acenaphthylene	14.67	152	6524	0.841	ng/ul	97
8) Acenaphthene	15.01	153	1957	0.350	ng/ul	94
9) Fluorene	15.98	166	2570	0.347	ng/ul	92
11) Pentachlorophenol	17.32	266	237	0.224	ng/ul	96
12) Phenanthrene	17.70	178	9619	0.744	ng/ul#	89
13) Anthracene	17.79	178	3260	0.251	ng/ul#	93
15) Fluoranthene	19.67	202	8420	0.426	ng/ul	85
17) Pyrene	20.02	202	5320	0.393	ng/ul#	78
18) Benzo(a)anthracene	21.73	228	11457	0.560	ng/ul#	85
19) Chrysene	21.79	228	7684	0.409	ng/ul	96
21) Benzo(b)fluoranthene	23.54	252	6595	0.333	ng/ul	87
22) Benzo(k)fluoranthene	23.54	252	6595	0.348	ng/ul#	89
23) Benzo(a)pyrene	24.23	252	8561	0.497	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	27.14	276	7595	0.327	ng/ul#	79
25) Dibenzo(a,h)anthracene	27.15	278	6737	0.347	ng/ul#	89
26) Benzo(g,h,i)perylene	27.99	276	7642	0.378	ng/ul	95

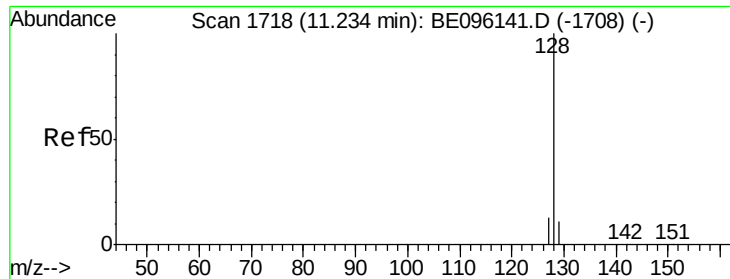
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.255 ng/ul

RT: 11.23 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

Instrument :

BNA_E

ClientSampleId :

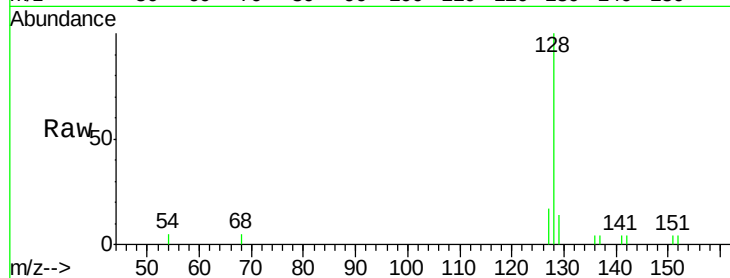
Tot Ion:128 Resp: 1944

Ion Ratio Lower Upper

128 100

129 14.5 11.3 16.9

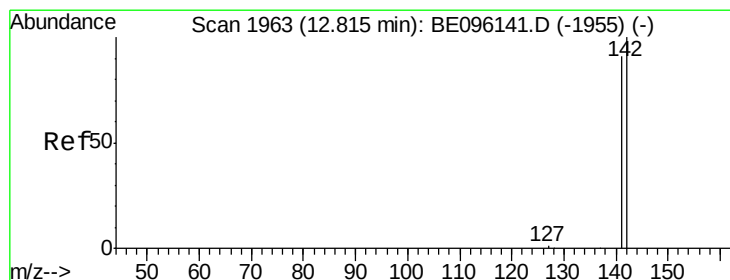
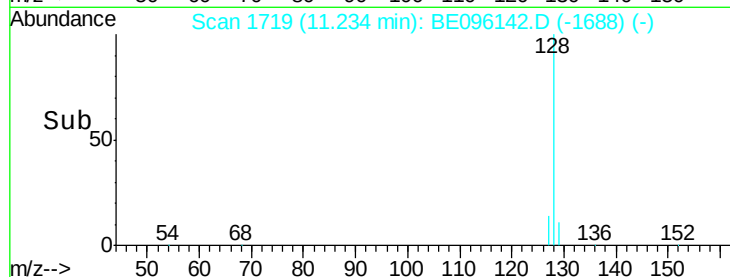
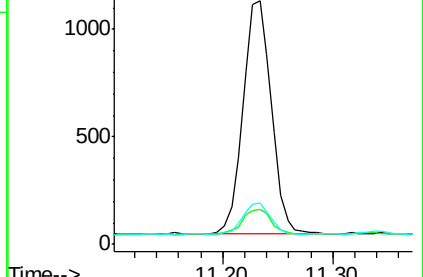
127 17.0 4.0 6.0#



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: 0.281 ng/ul

RT: 12.81 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BE096142.D

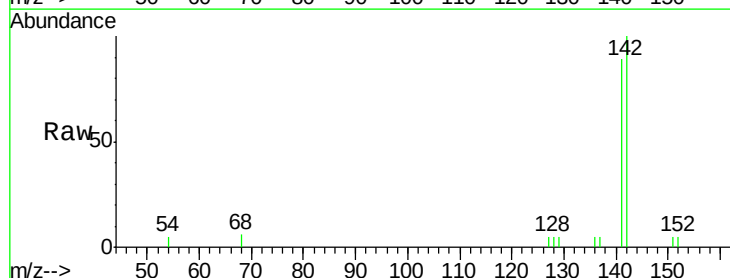
Acq: 25 Apr 2018 10:25

Tgt Ion:142 Resp: 1434

Ion Ratio Lower Upper

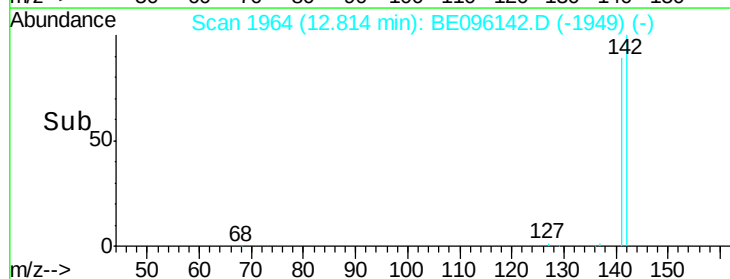
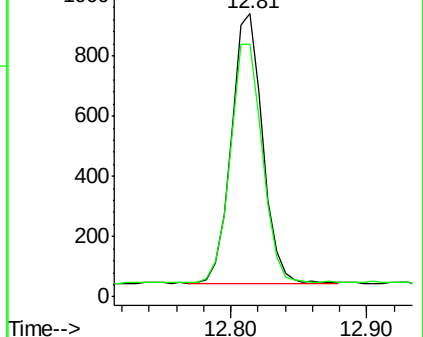
142 100

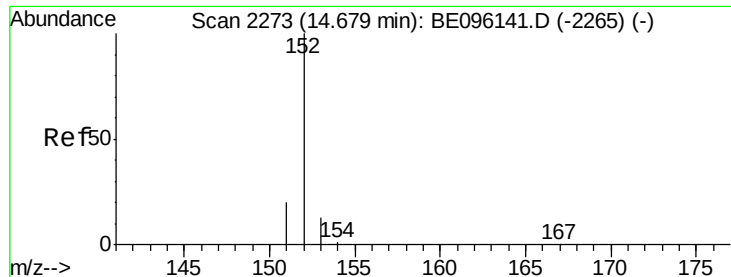
141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.841 ng/ul

RT: 14.67 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

Instrument :

BNA_E

ClientSampleId :

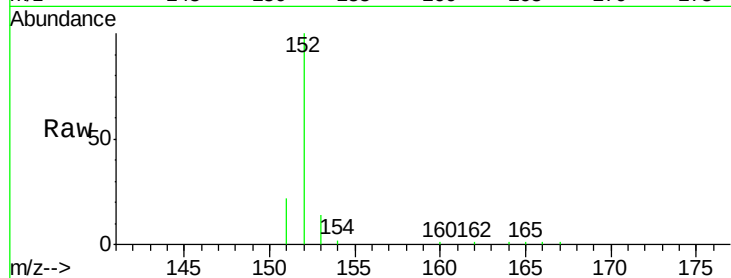
Tot Ion:152 Resp: 6524

Ion Ratio Lower Upper

152 100

151 21.9 17.1 25.7

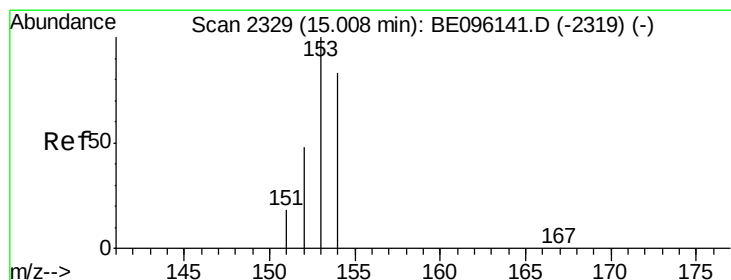
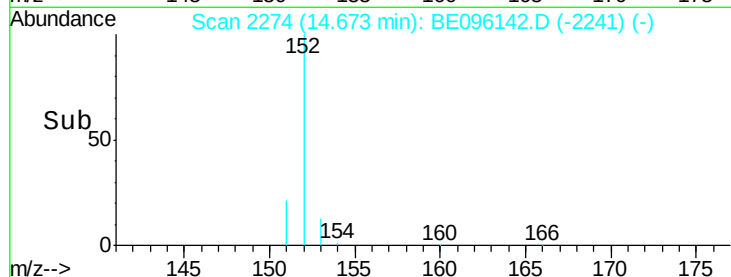
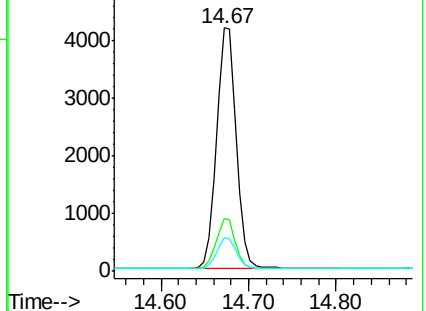
153 13.8 12.8 19.2



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



#8

Acenaphthene

Concen: 0.350 ng/ul

RT: 15.01 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

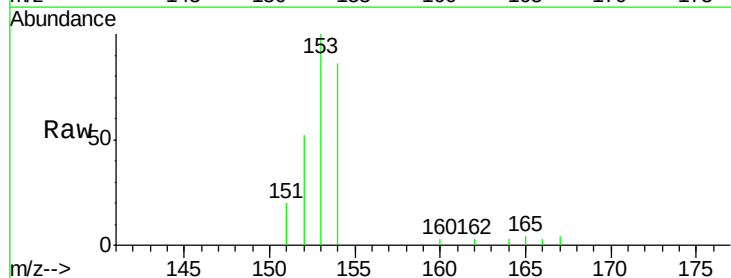
Tgt Ion:153 Resp: 1957

Ion Ratio Lower Upper

153 100

152 52.1 36.0 54.0

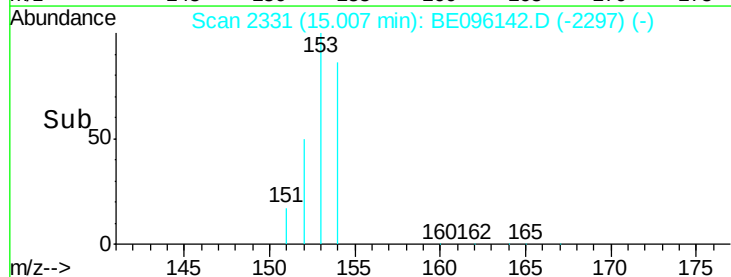
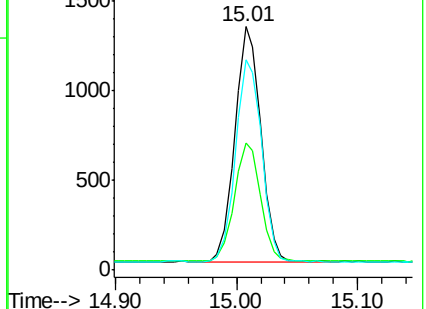
154 86.4 72.0 108.0

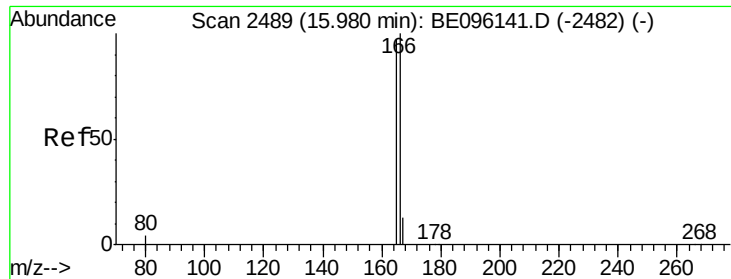


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.347 ng/ul

RT: 15.98 min Scan# 2491

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

Instrument :

BNA_E

ClientSampleId :

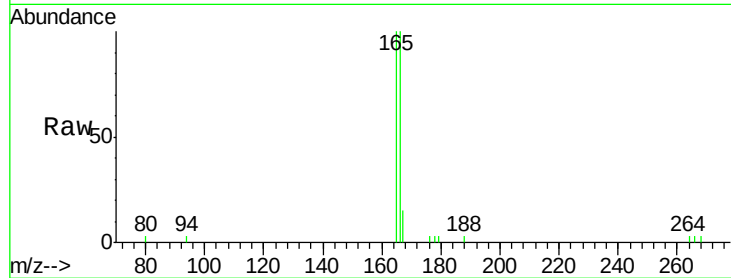
Tot Ion:166 Resp: 2570

Ion Ratio Lower Upper

166 100

165 100.1 73.4 110.2

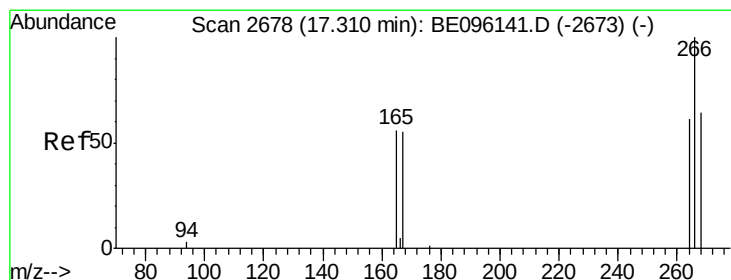
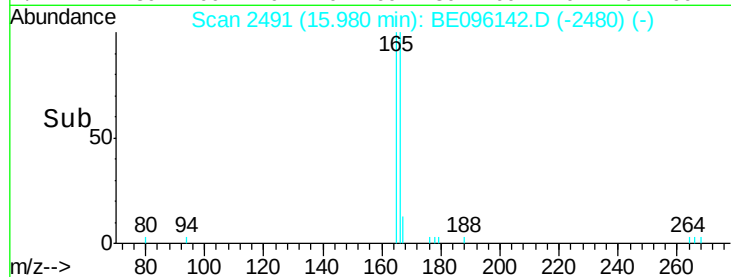
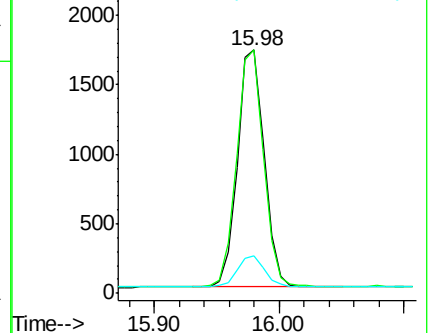
167 15.4 14.6 22.0



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: 0.224 ng/ul

RT: 17.32 min Scan# 2681

Delta R.T. 0.01 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

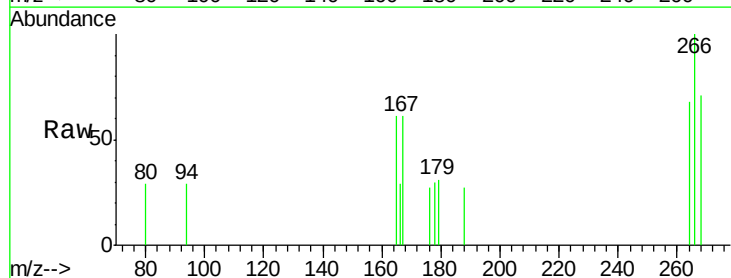
Tgt Ion:266 Resp: 237

Ion Ratio Lower Upper

266 100

264 65.0 47.9 71.9

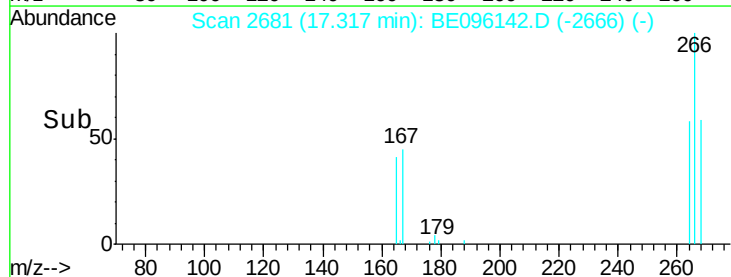
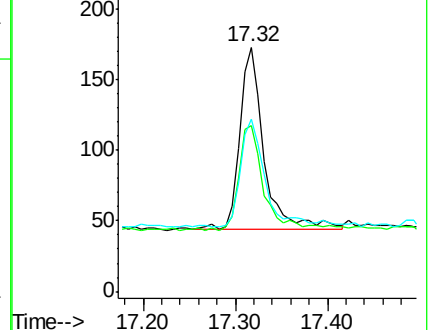
268 63.3 49.8 74.8

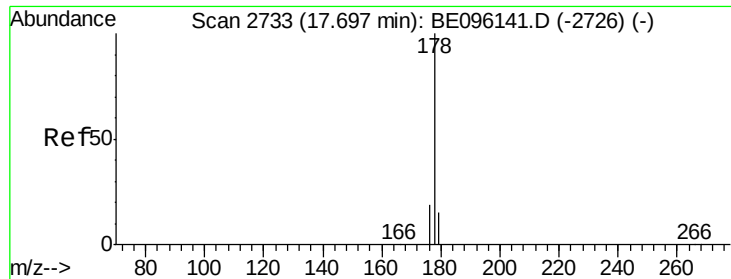


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.744 ng/ul

RT: 17.70 min Scan# 2735

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

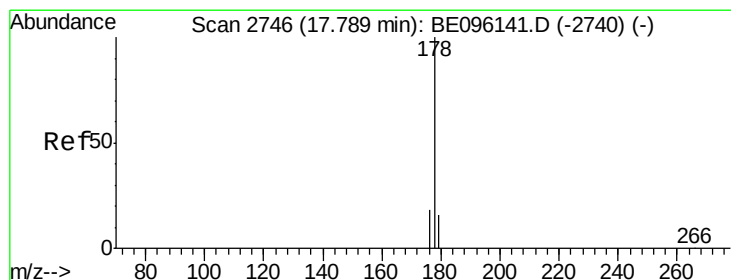
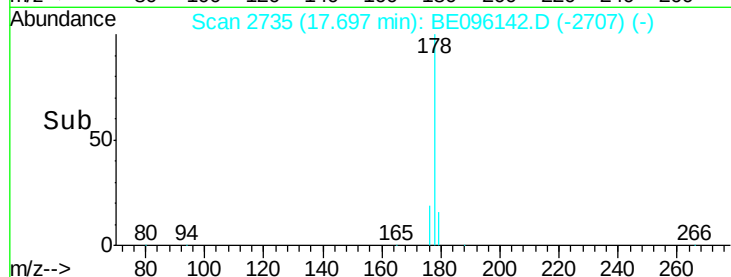
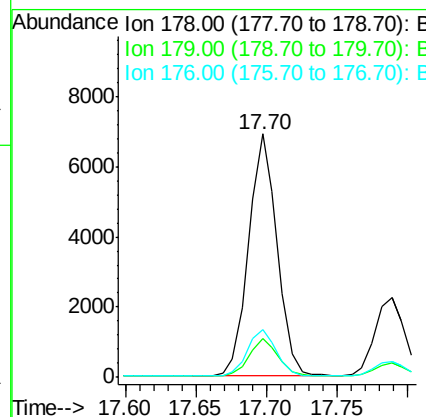
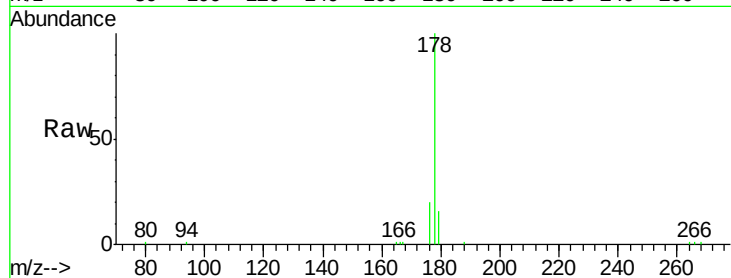
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 9619

Ion	Ratio	Lower	Upper
178	100		
179	16.2	18.4	27.6#
176	19.8	13.6	20.4



#13

Anthracene

Concen: 0.251 ng/ul

RT: 17.79 min Scan# 2748

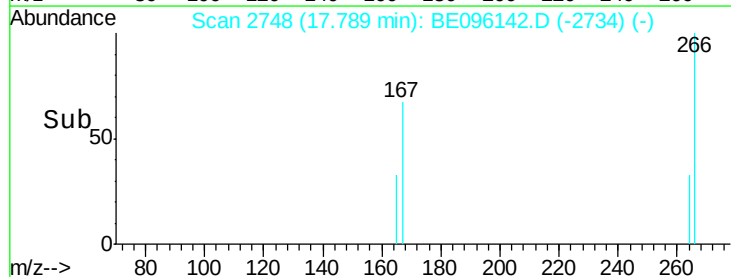
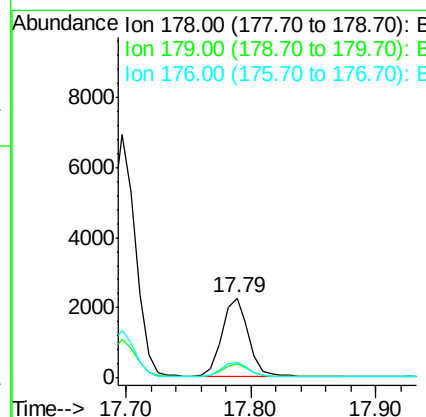
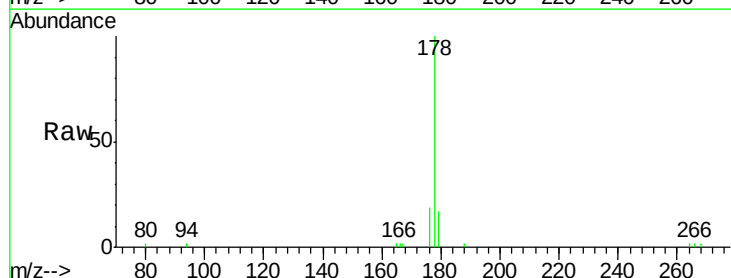
Delta R.T. -0.00 min

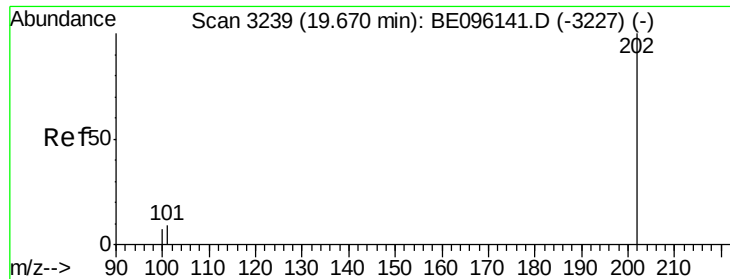
Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

Tgt Ion:178 Resp: 3260

Ion	Ratio	Lower	Upper
178	100		
179	17.3	18.1	27.1#
176	19.4	14.7	22.1

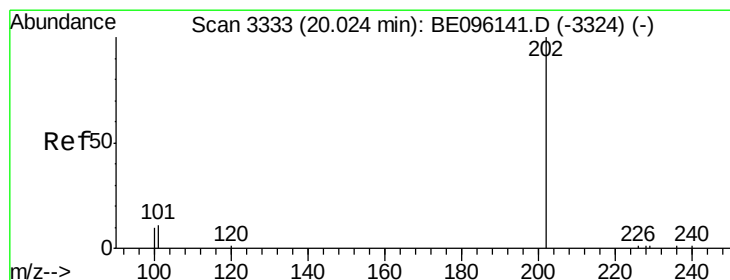
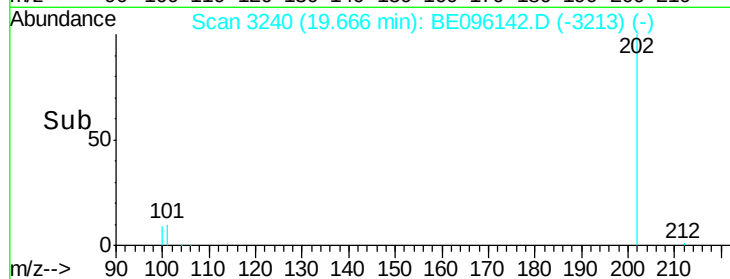
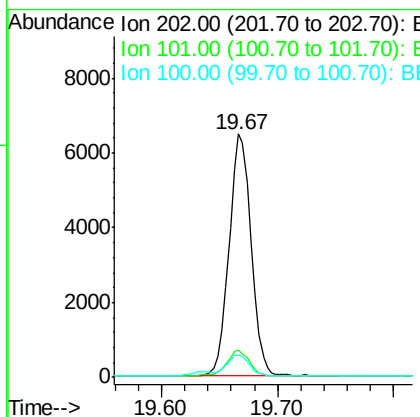
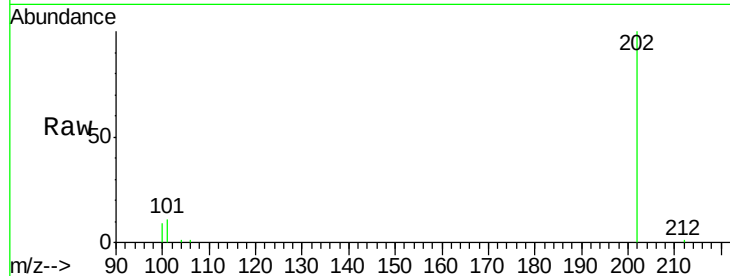




#15
Fluoranthene
 Concen: 0.426 ng/ul
 RT: 19.67 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: BE096142.D
 Acq: 25 Apr 2018 10:25

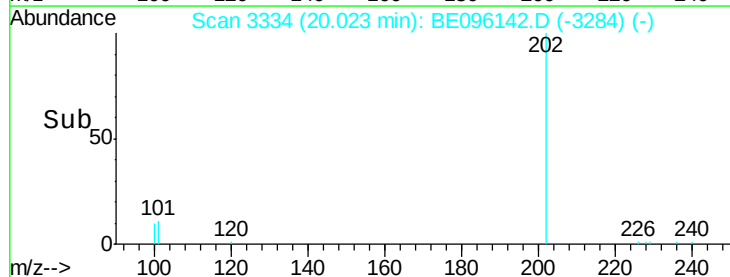
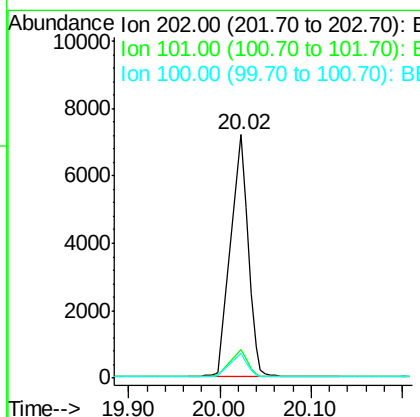
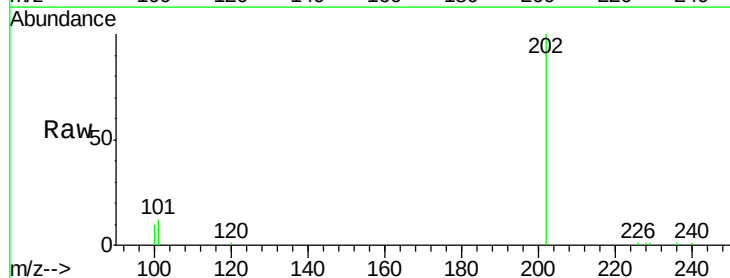
Instrument :
 BNA_E
 ClientSampleId :

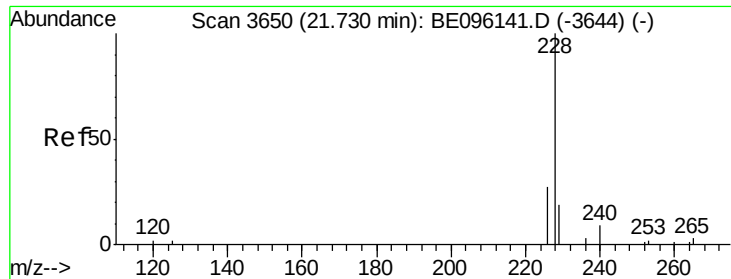
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.3
100	9.2	0.0	39.5



#17
Pyrene
 Concen: 0.393 ng/ul
 RT: 20.02 min Scan# 3334
 Delta R.T. -0.00 min
 Lab File: BE096142.D
 Acq: 25 Apr 2018 10:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	18.2	27.4#
100	10.4	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.560 ng/ul

RT: 21.73 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

Instrument :

BNA_E

ClientSampleId :

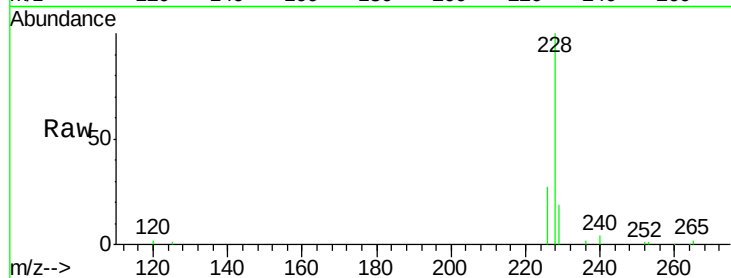
Tot Ion:228 Resp: 11457

Ion Ratio Lower Upper

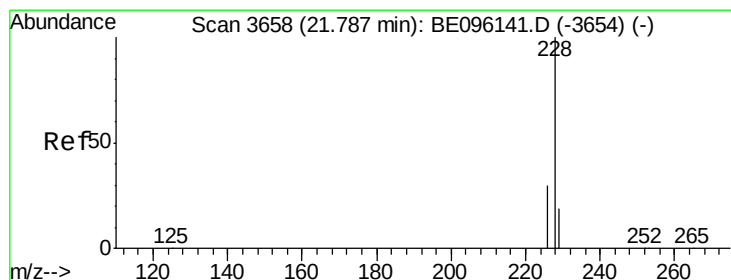
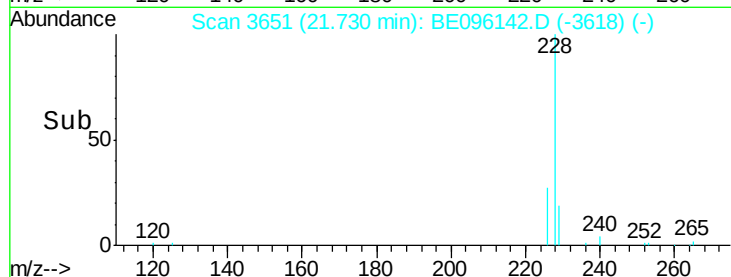
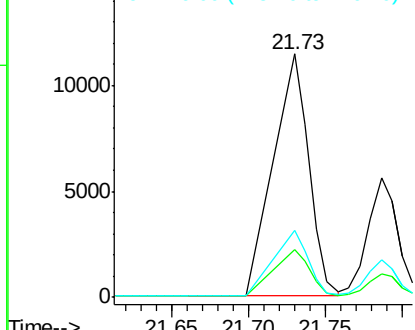
228 100

229 19.4 22.8 34.2#

226 27.4 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: 0.409 ng/ul

RT: 21.79 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

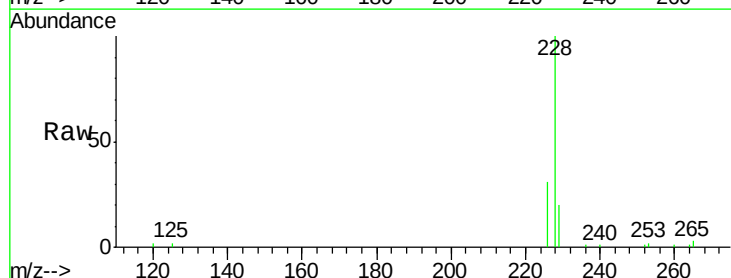
Tgt Ion:228 Resp: 7684

Ion Ratio Lower Upper

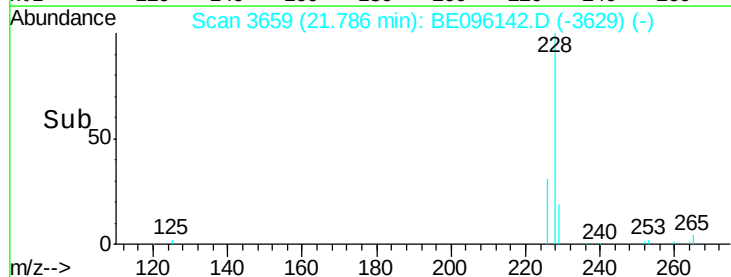
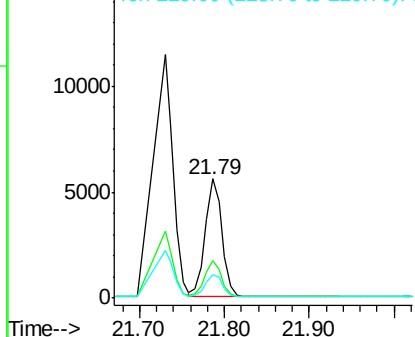
228 100

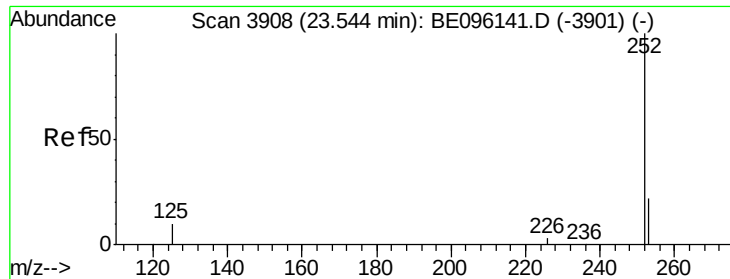
226 31.4 23.4 35.0

229 20.0 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

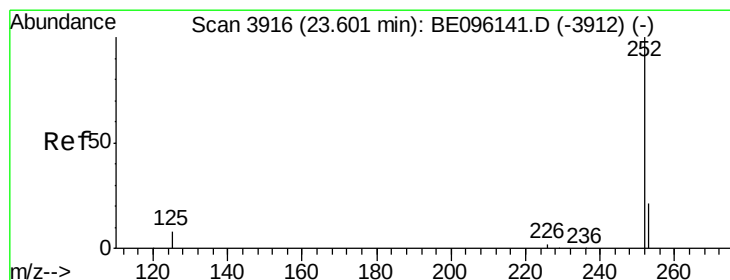
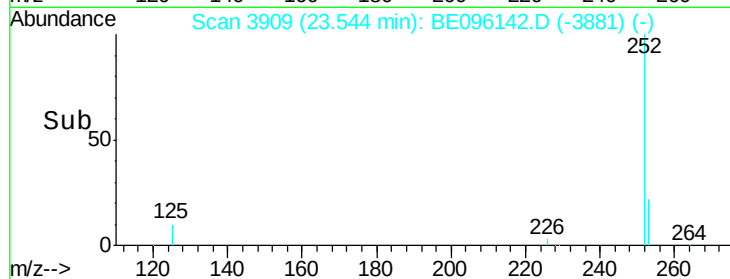
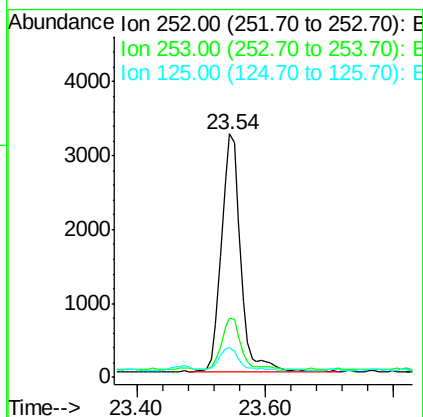
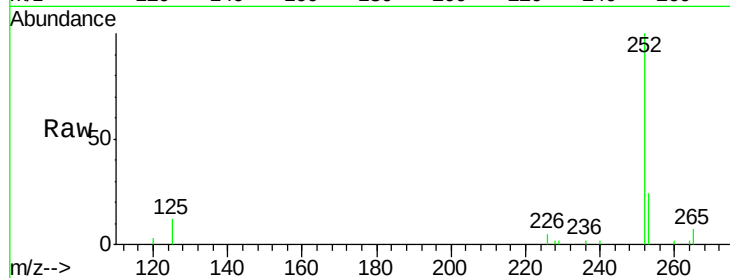




#21
Benzo(b)fluoranthene
Concen: 0.333 ng/ul
RT: 23.54 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BE096142.D
Acq: 25 Apr 2018 10:25

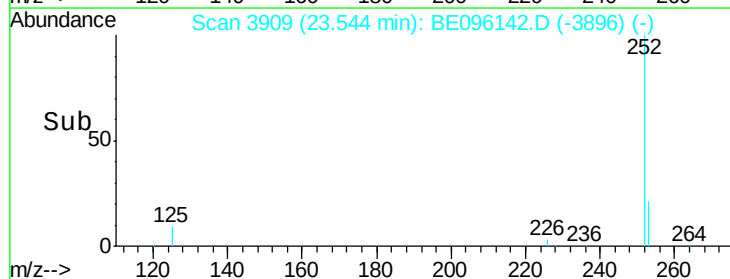
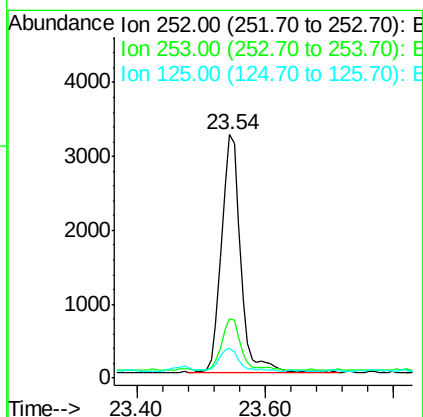
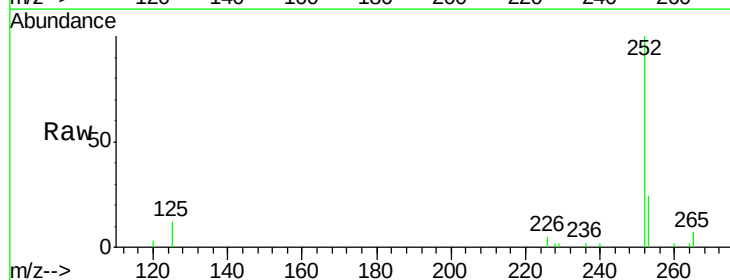
Instrument :
BNA_E
ClientSampleId :

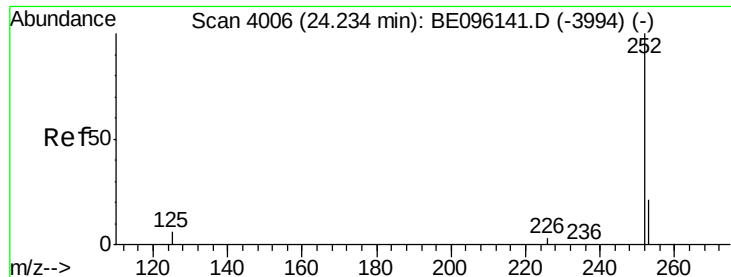
Tot Ion:252 Resp: 6595
Ion Ratio Lower Upper
252 100
253 24.3 0.0 64.2
125 12.3 0.0 35.0



#22
Benzo(k)fluoranthene
Concen: 0.348 ng/ul
RT: 23.54 min Scan# 3909
Delta R.T. -0.06 min
Lab File: BE096142.D
Acq: 25 Apr 2018 10:25

Tgt Ion:252 Resp: 6595
Ion Ratio Lower Upper
252 100
253 24.3 24.5 36.7#
125 12.3 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.497 ng/ul

RT: 24.23 min Scan# 4007

Delta R.T. -0.00 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

Instrument :

BNA_E

ClientSampled :

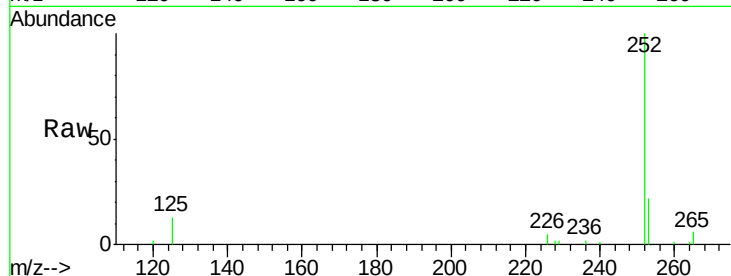
Tot Ion:252 Resp: 8561

Ion Ratio Lower Upper

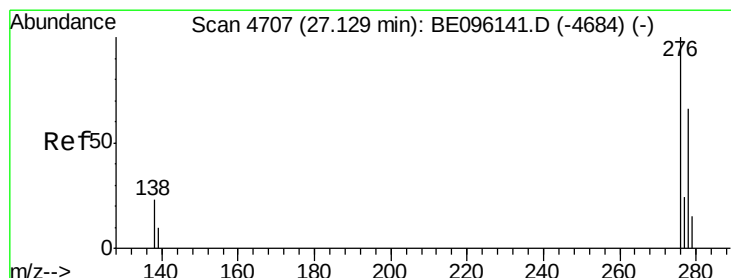
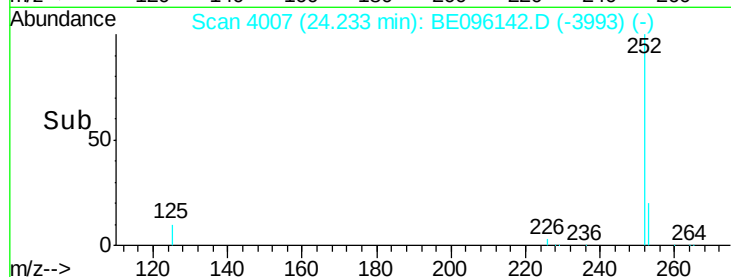
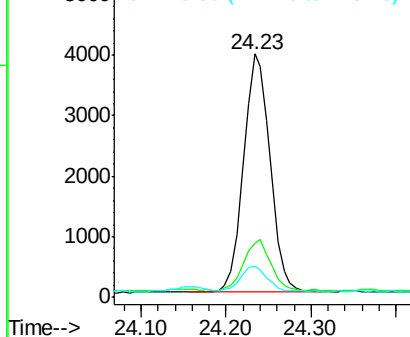
252 100

253 22.3 28.5 42.7#

125 12.9 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: 0.327 ng/ul

RT: 27.14 min Scan# 4710

Delta R.T. 0.01 min

Lab File: BE096142.D

Acq: 25 Apr 2018 10:25

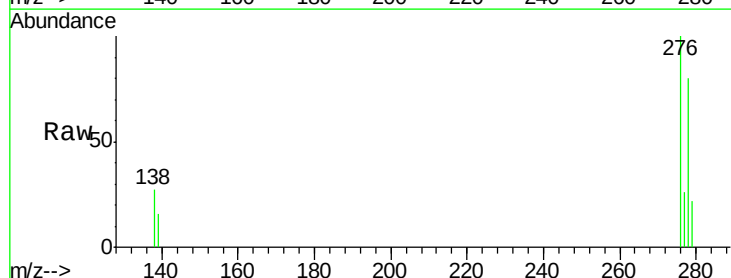
Tgt Ion:276 Resp: 7595

Ion Ratio Lower Upper

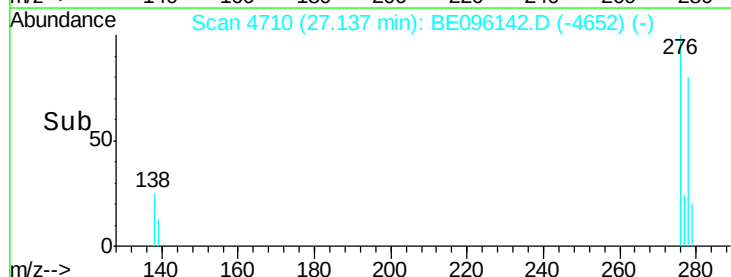
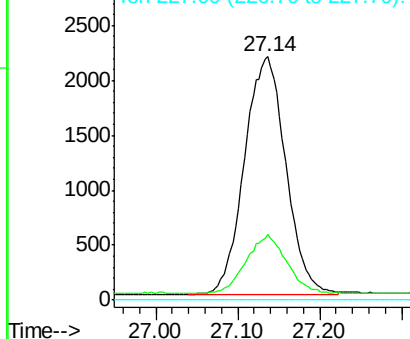
276 100

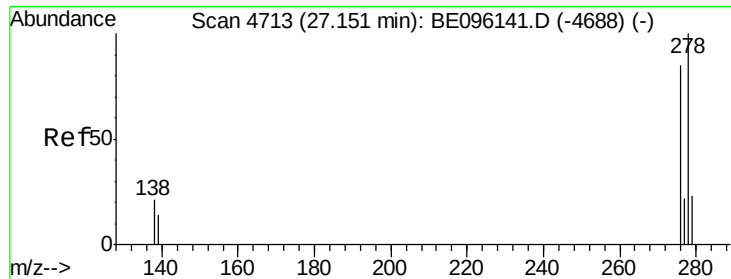
138 24.0 28.0 42.0#

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

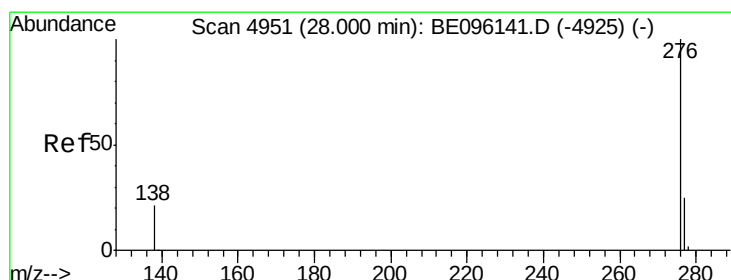
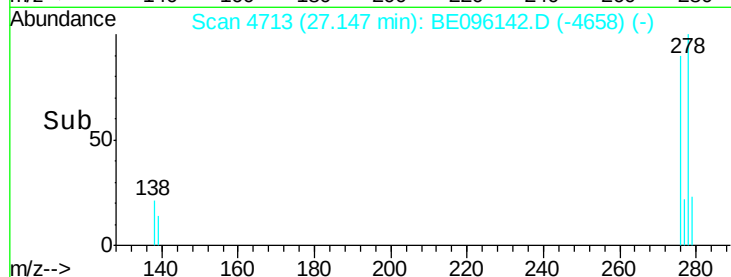
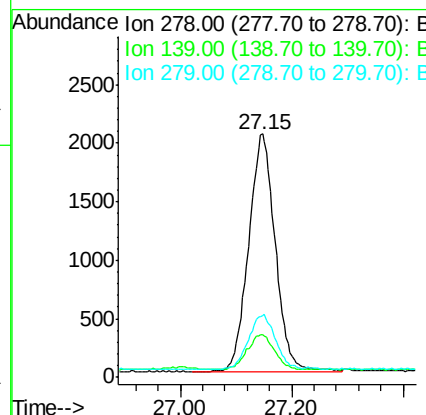
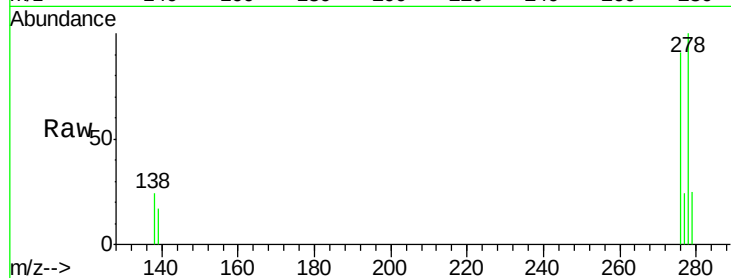




#25
Dibenzo(a,h)anthracene
Concen: 0.347 ng/ul
RT: 27.15 min Scan# 4713
Delta R.T. -0.00 min
Lab File: BE096142.D
Acq: 25 Apr 2018 10:25

Instrument :
BNA_E
ClientSampled :

Tot Ion:278 Resp: 6737
Ion Ratio Lower Upper
278 100
139 17.4 17.4 26.0#
279 25.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.378 ng/ul
RT: 27.99 min Scan# 4949
Delta R.T. -0.01 min
Lab File: BE096142.D
Acq: 25 Apr 2018 10:25

Tgt Ion:276 Resp: 7642
Ion Ratio Lower Upper
276 100
138 23.2 21.8 32.8
277 24.7 20.5 30.7

