

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_E\DATA\BE011018\
 Data File : BE095069.D
 Acq On : 10 Jan 2018 12:47
 Operator : SJ/JU
 Sample : J1041-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 10 14:02:38 2018

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 10 13:00:41 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6041	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	13105	0.40	ng	0.00
13) Acenaphthene-d10	15.05	164	6706	0.40	ng	0.00
19) Phenanthrene-d10	17.76	188	16624	0.40	ng	0.02
27) Chrysene-d12	21.85	240	18287	0.40	ng	0.01
34) Perylene-d12	24.51	264	14243	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.94	112	1830	0.20	ng	0.00
5) Phenol-d6	7.59	99	1698	0.12	ng	0.01
8) Nitrobenzene-d5	9.65	82	4607	0.43	ng	0.02
11) 2-Methylnaphthalene-d10	12.85	152	8767	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.52	330	609	0.39	ng	0.02
15) 2-Fluorobiphenyl	13.68	172	17380	0.58	ng	0.00
25) Fluoranthene-d10	19.73	212	93362	0.43	ng	0.00
29) Terphenyl-d14	20.30	244	23749	0.69	ng	0.01

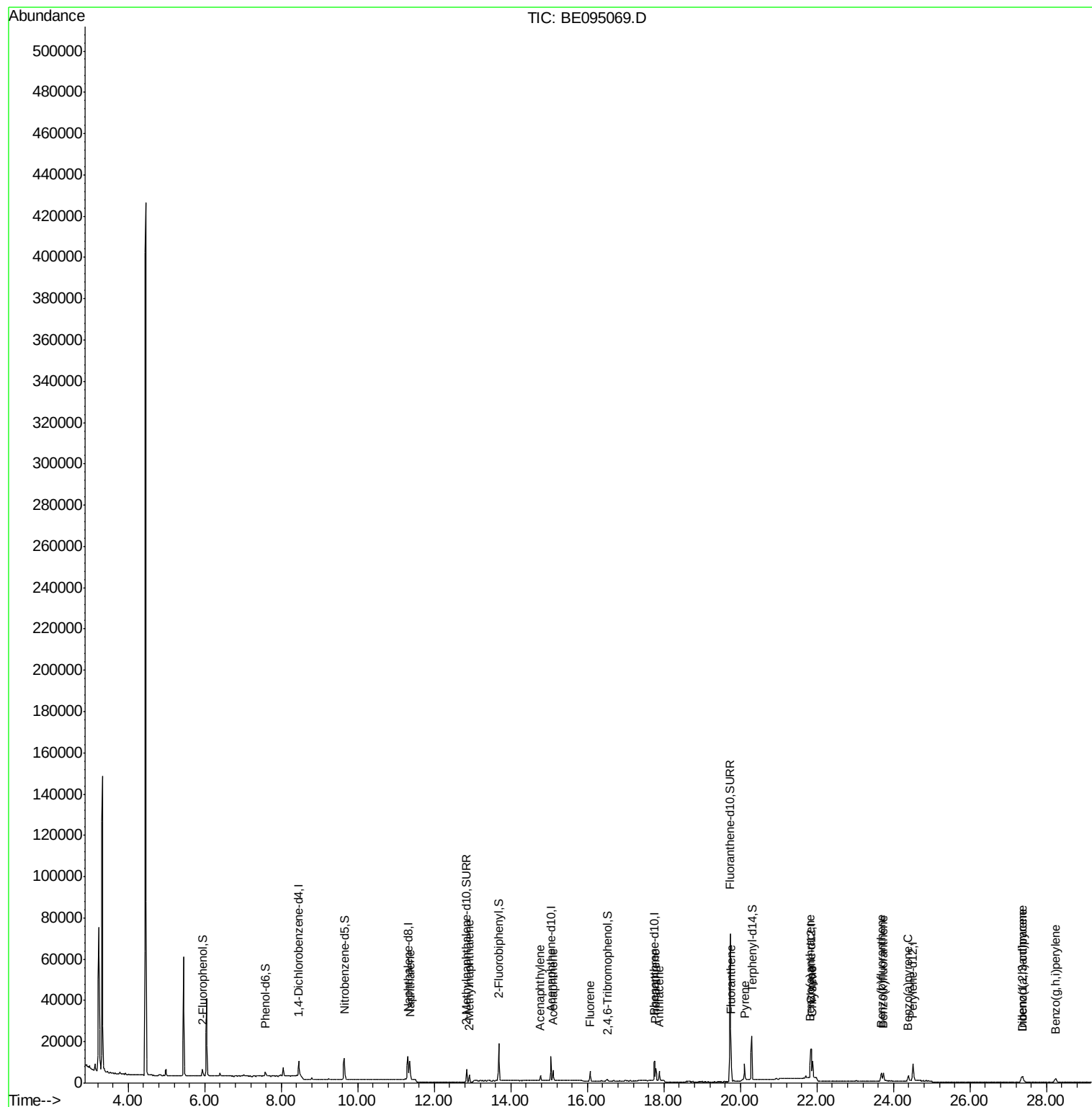
Target Compounds

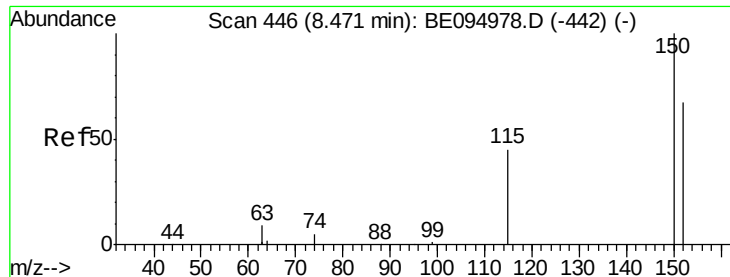
						Qvalue
9) Naphthalene	11.36	128	17587	0.114	ng	99
12) 2-Methylnaphthalene	12.92	142	3986	0.104	ng	96
16) Acenaphthylene	14.76	152	3709	0.103	ng	99
17) Acenaphthene	15.11	154	2739	0.115	ng	98
18) Fluorene	16.07	166	3453	0.117	ng	# 78
23) Phenanthrene	17.79	178	6655	0.128	ng	98
24) Anthracene	17.88	178	6491	0.122	ng	# 77
26) Fluoranthene	19.76	202	8025	0.126	ng	98
28) Pyrene	20.11	202	8133	0.131	ng	99
30) Benzo(a)anthracene	21.82	228	6448	0.121	ng	# 64
31) Chrysene	21.89	228	8636	0.144	ng	# 64
33) Indeno(1,2,3-cd)pyrene	27.36	276	5288	0.108	ng	95
35) Benzo(b)fluoranthene	23.68	252	6197	0.118	ng	# 94
36) Benzo(k)fluoranthene	23.74	252	5937	0.112	ng	# 88
37) Benzo(a)pyrene	24.39	252	4920	0.106	ng	# 84
38) Dibenzo(a,h)anthracene	27.38	278	4000	0.093	ng	94
39) Benzo(g,h,i)perylene	28.24	276	4980	0.116	ng	# 94

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

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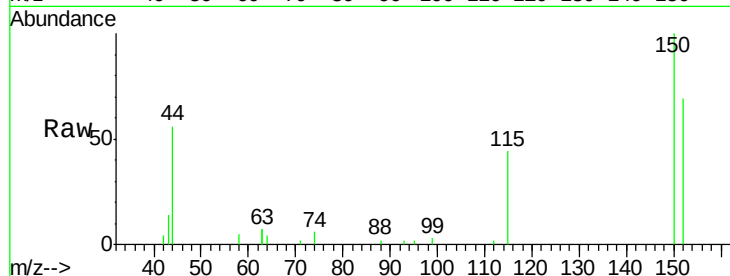




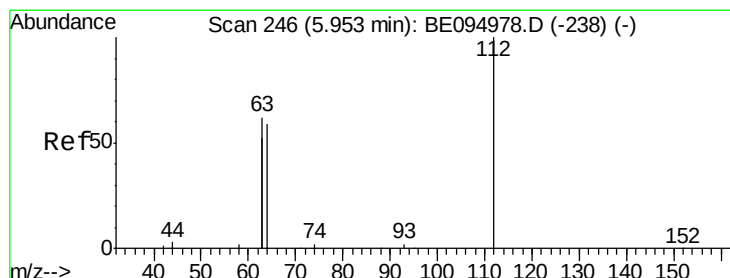
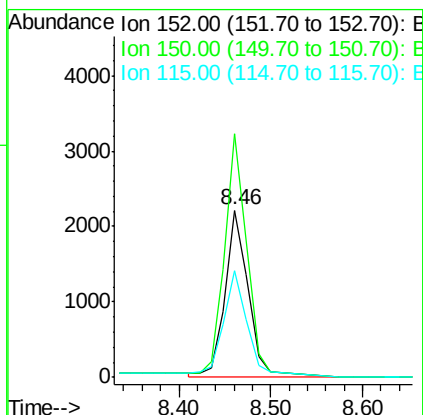
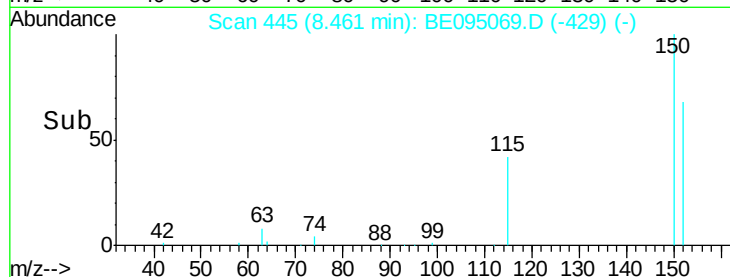
#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

Tgt Ion:152 Resp: 6041
Ion Ratio Lower Upper
152 100
150 145.9 117.2 175.8
115 63.8 57.0 85.6



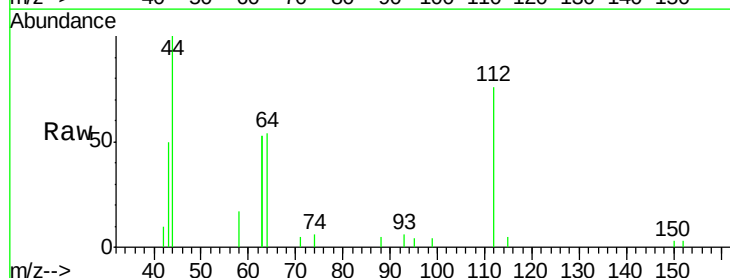
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



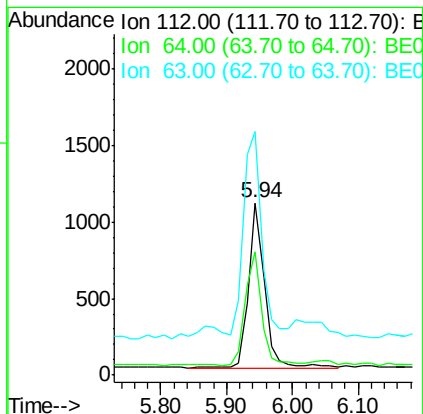
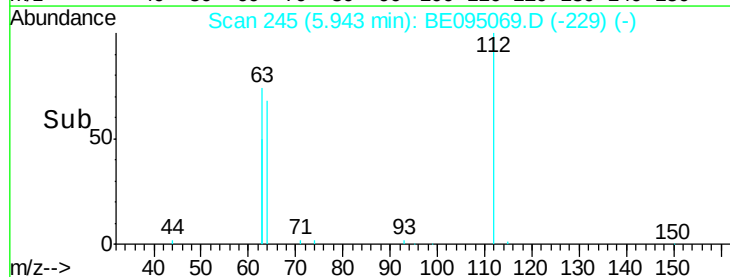
#4

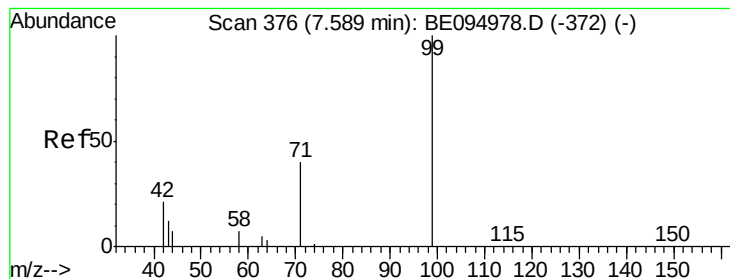
2-Fluorophenol
Concen: 0.195 ng
RT: 5.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

Tgt Ion:112 Resp: 1830
Ion Ratio Lower Upper
112 100
64 70.1 60.1 90.1
63 140.2 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.122 ng

RT: 7.59 min Scan# 376

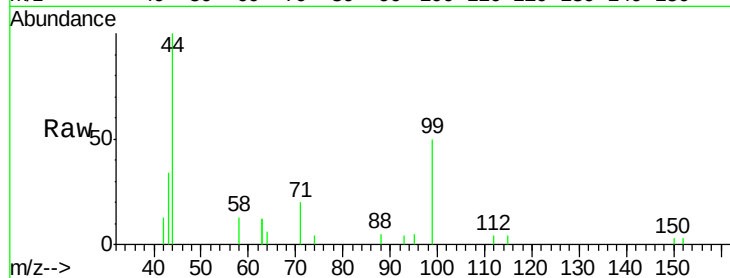
Delta R.T. 0.01 min

Lab File: BE095069.D

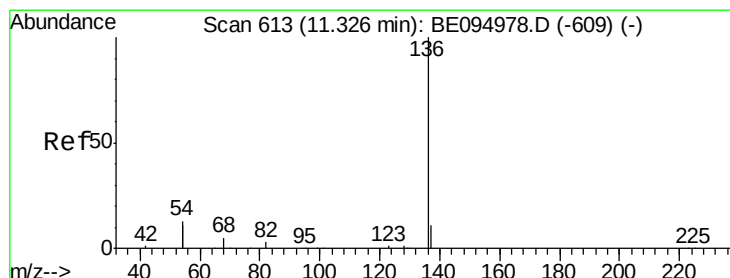
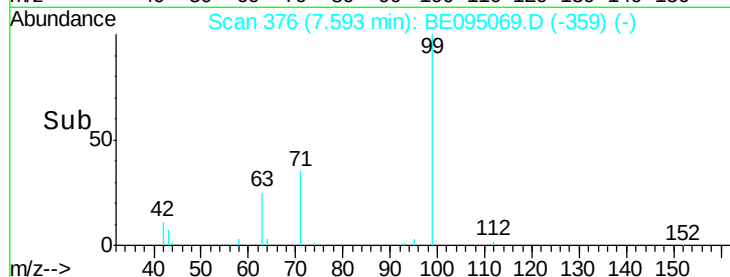
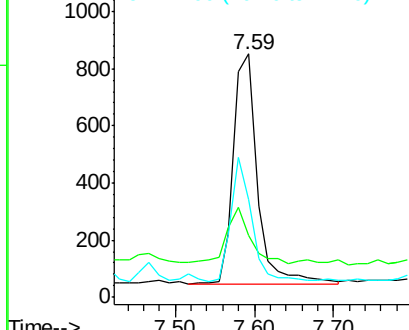
Acq: 10 Jan 2018 12:47

Tgt Ion: 99 Resp: 1698

Ion	Ratio	Lower	Upper
99	100		
42	23.9	20.2	30.2
71	45.4	28.4	42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

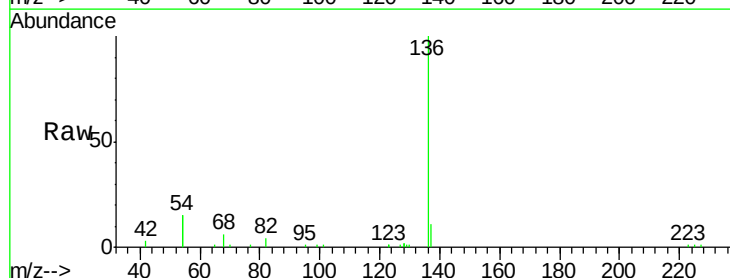
Delta R.T. -0.00 min

Lab File: BE095069.D

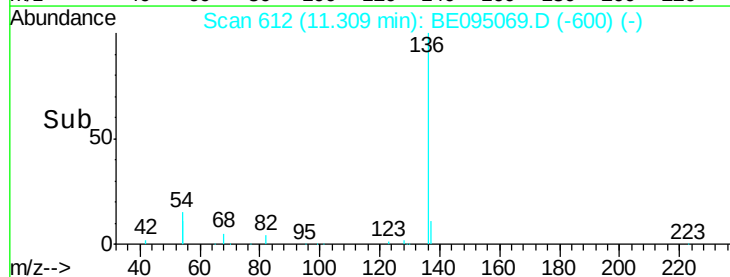
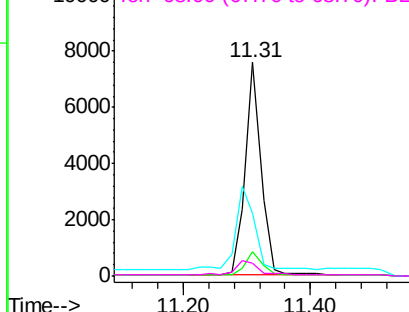
Acq: 10 Jan 2018 12:47

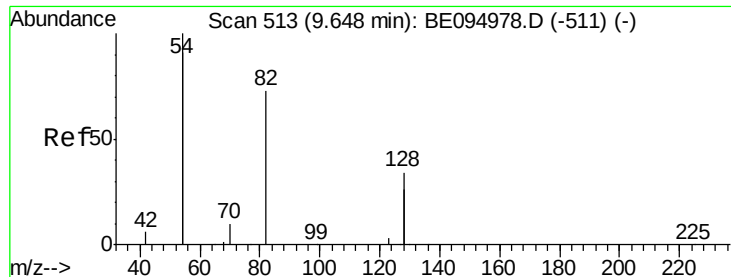
Tgt Ion: 136 Resp: 13105

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	29.1	29.1	43.7
68	5.9	6.2	9.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.428 ng

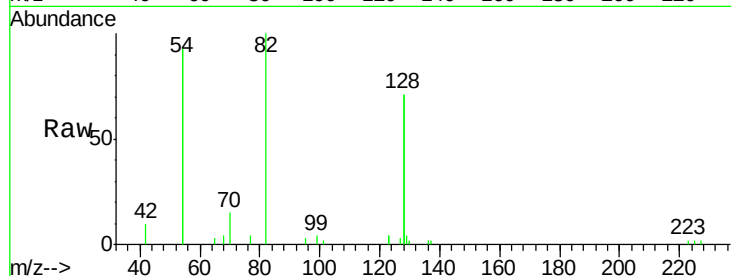
RT: 9.65 min Scan# 513

Delta R.T. 0.02 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

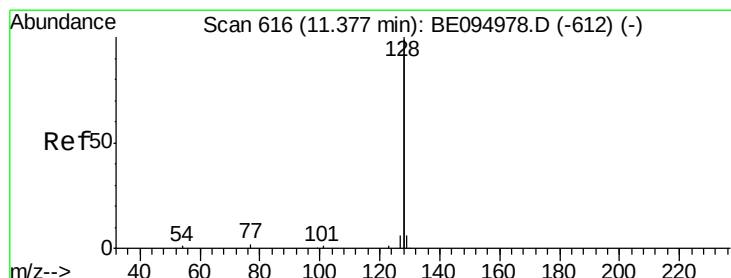
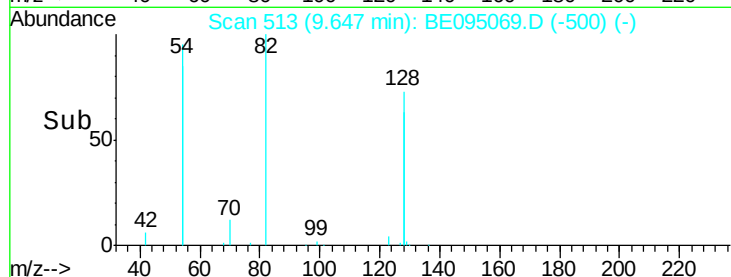
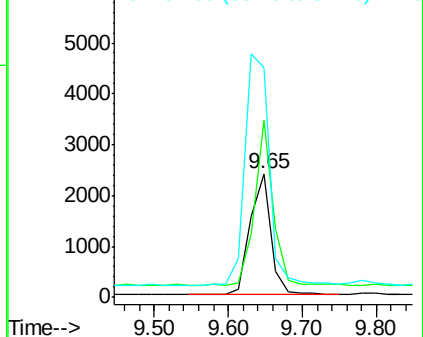
Tgt Ion:	82	Resp:	4607
Ion	Ratio	Lower	Upper
82	100		
128	142.8	150.0	225.0#
54	185.8	154.2	231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094978.D (-511) (-)

Ion 128.00 (127.70 to 128.70): BE094978.D (-511) (-)

Ion 54.00 (53.70 to 54.70): BE094978.D (-511) (-)



#9

Naphthalene

Concen: 0.114 ng

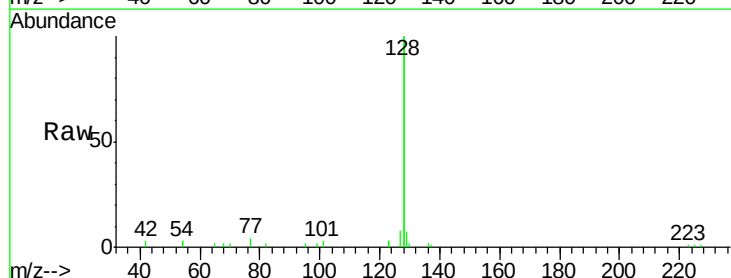
RT: 11.36 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

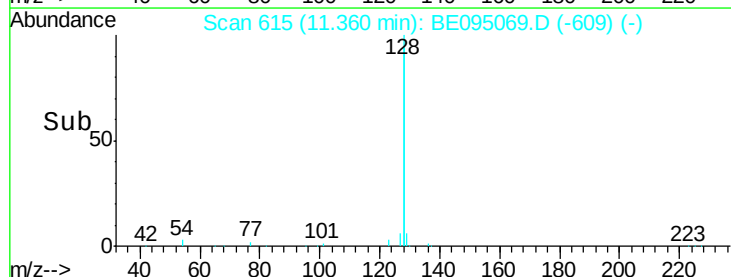
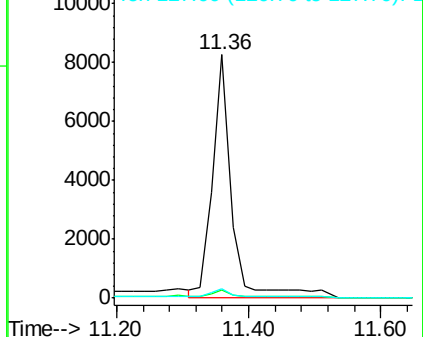
Tgt Ion:	128	Resp:	17587
Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	3.8	2.8	4.2

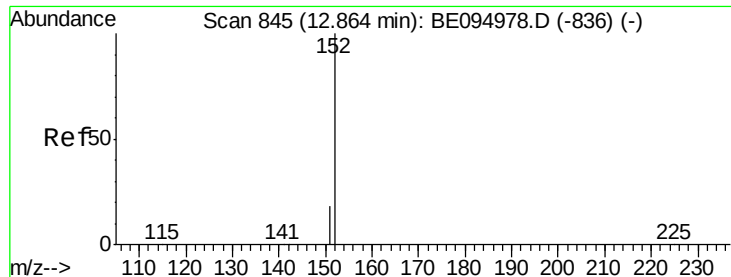


Abundance Ion 128.00 (127.70 to 128.70): BE094978.D (-612) (-)

Ion 129.00 (128.70 to 129.70): BE094978.D (-612) (-)

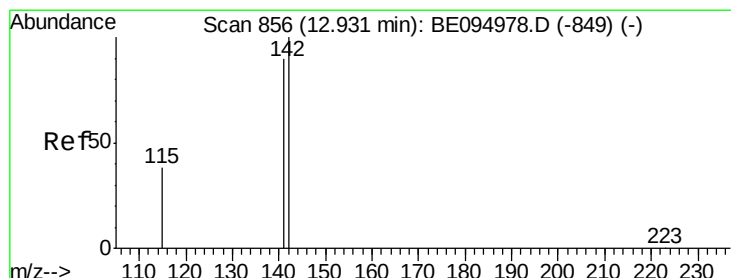
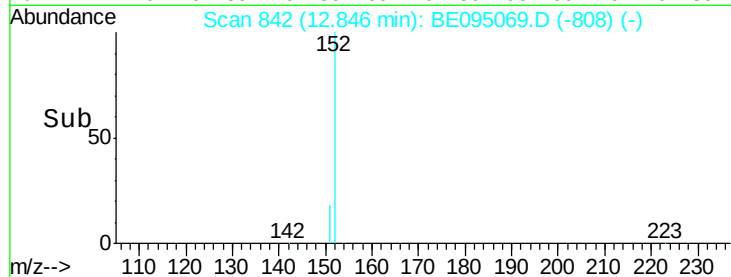
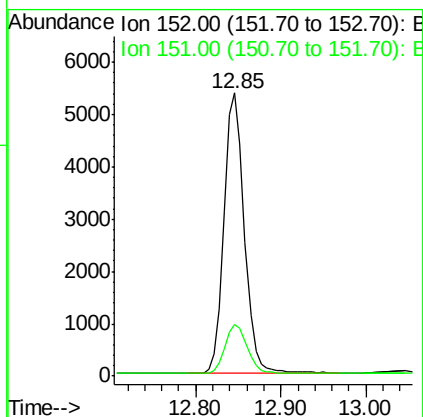
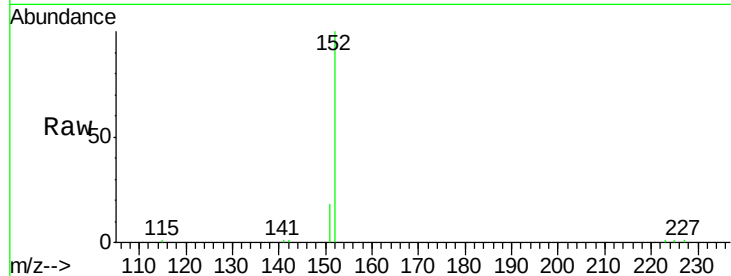
Ion 127.00 (126.70 to 127.70): BE094978.D (-612) (-)





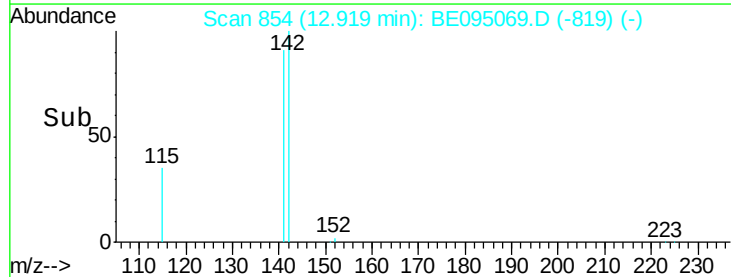
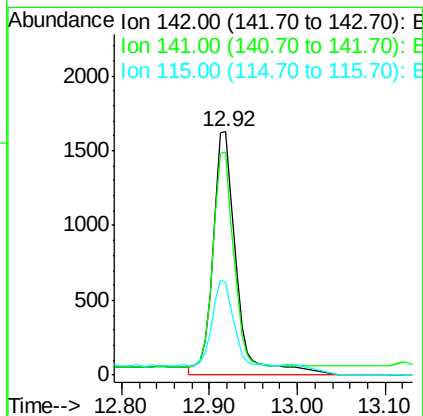
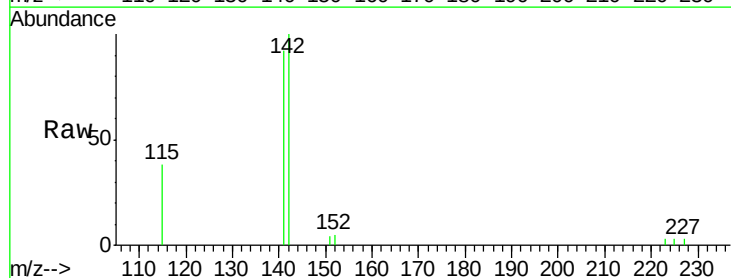
#11
 2-Methylnaphthalene-d10
 Concen: 0.408 ng
 RT: 12.85 min Scan# 842
 Delta R.T. 0.01 min
 Lab File: BE095069.D
 Acq: 10 Jan 2018 12:47

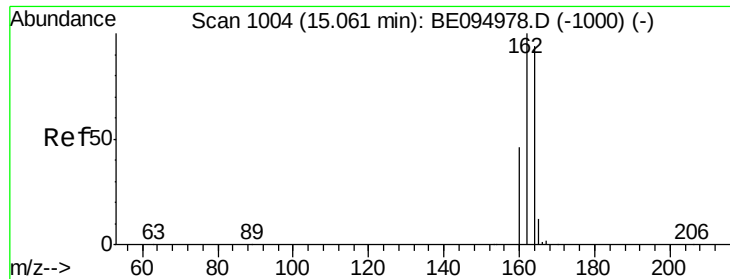
Tgt Ion: 152 Resp: 8767
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.104 ng
 RT: 12.92 min Scan# 854
 Delta R.T. 0.01 min
 Lab File: BE095069.D
 Acq: 10 Jan 2018 12:47

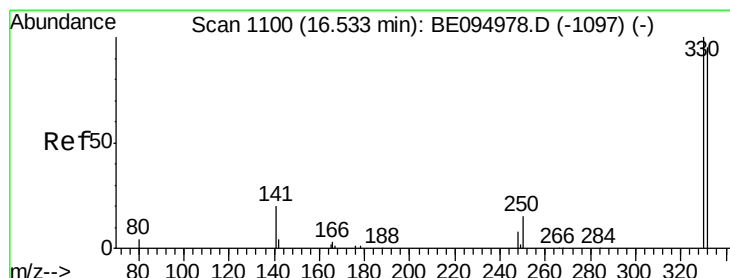
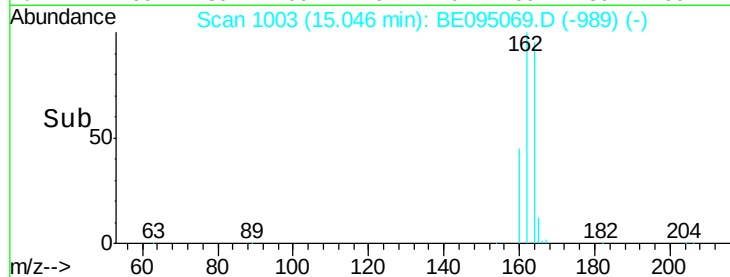
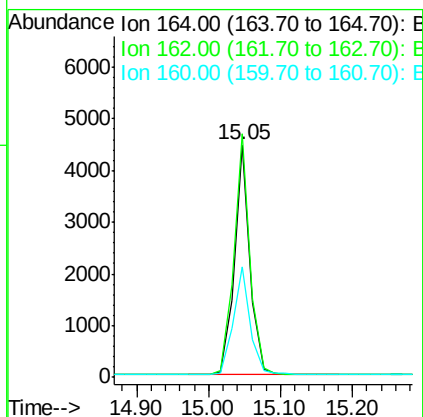
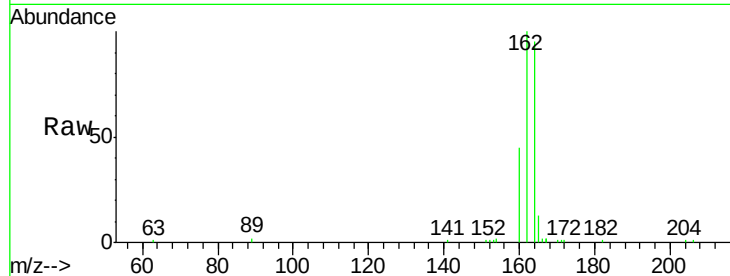
Tgt Ion: 142 Resp: 3986
 Ion Ratio Lower Upper
 142 100
 141 91.6 70.4 105.6
 115 37.8 31.7 47.5





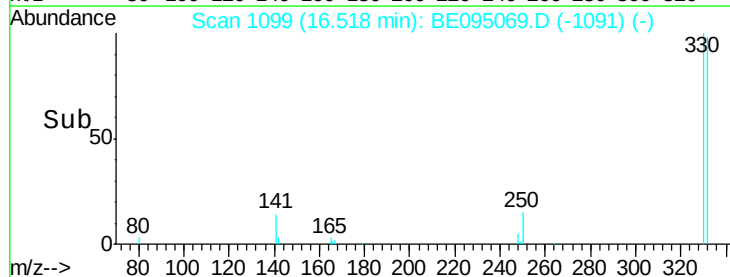
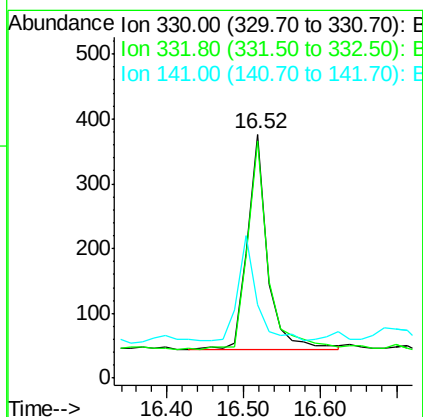
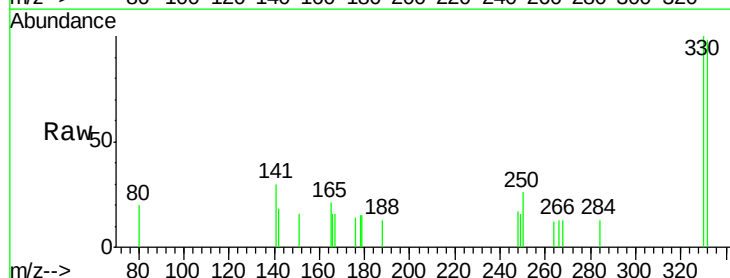
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.05 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

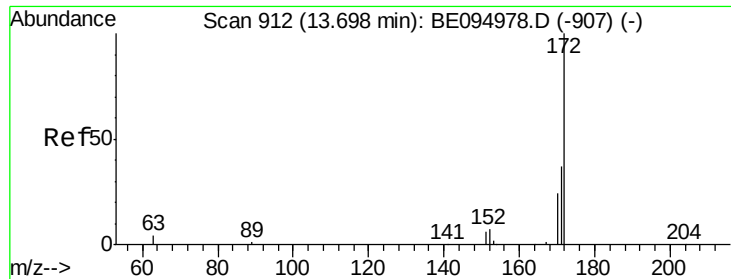
Tgt Ion: 164 Resp: 6706
Ion Ratio Lower Upper
164 100
162 104.9 83.1 124.7
160 47.5 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.391 ng
RT: 16.52 min Scan# 1099
Delta R.T. 0.02 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

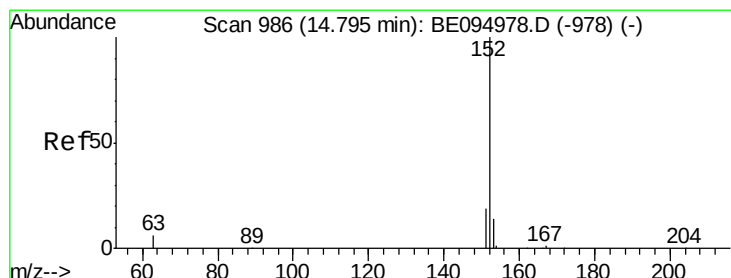
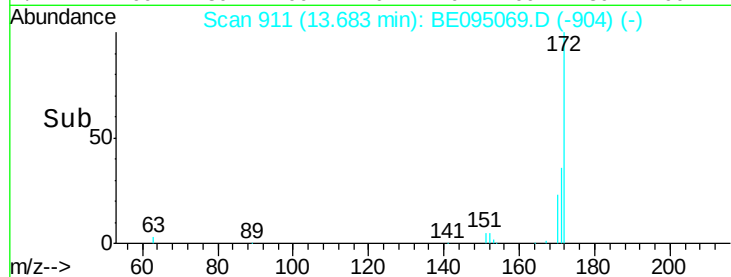
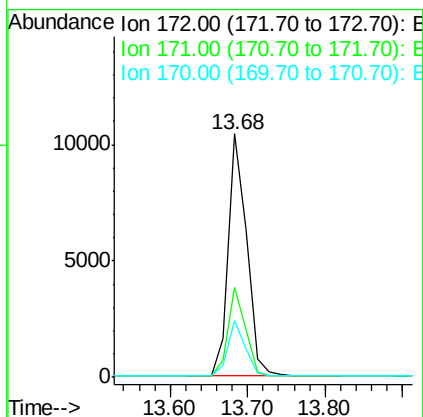
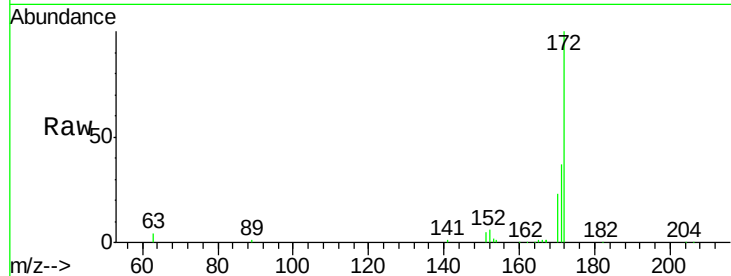
Tgt Ion: 330 Resp: 609
Ion Ratio Lower Upper
330 100
332 98.2 152.7 229.1#
141 43.0 33.7 50.5





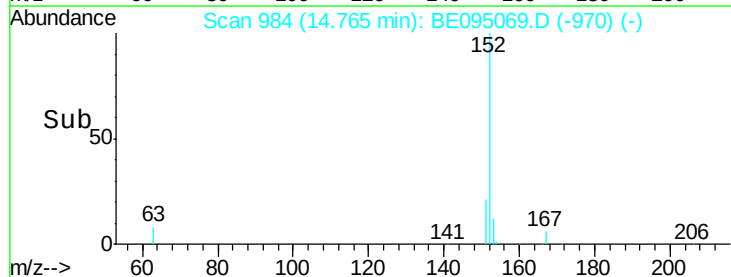
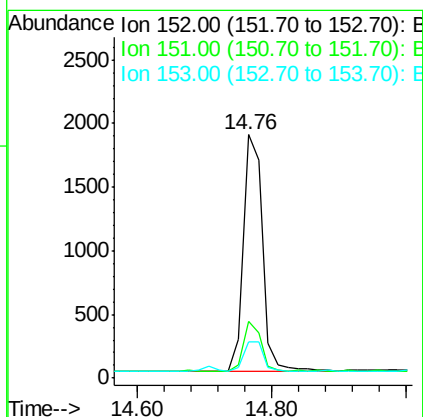
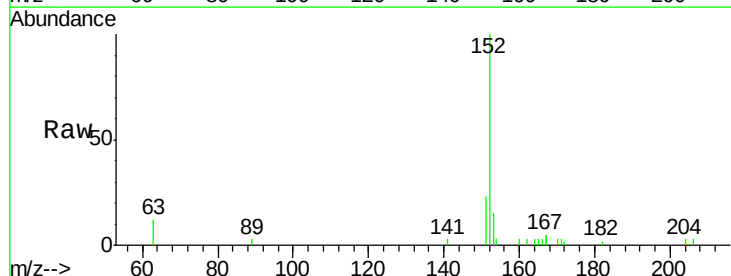
#15
2-Fluorobiphenyl
Concen: 0.585 ng
RT: 13.68 min Scan# 911
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

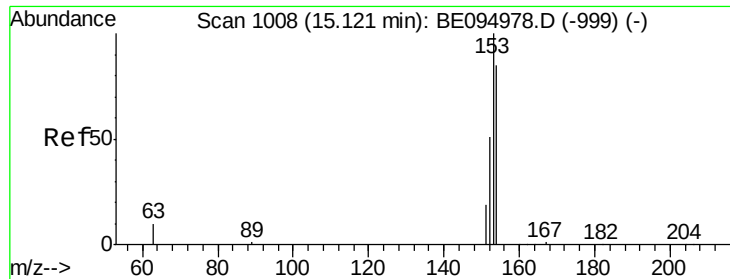
Tgt Ion: 172 Resp: 17380
Ion Ratio Lower Upper
172 100
171 36.7 29.9 44.9
170 23.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.103 ng
RT: 14.76 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

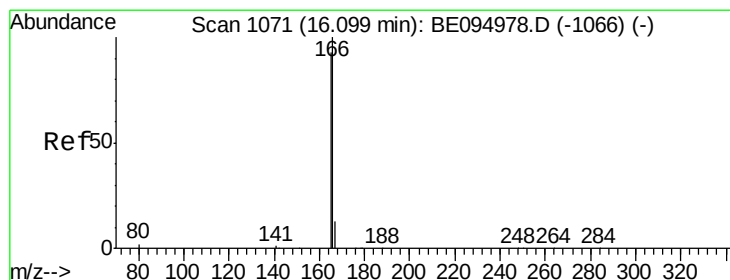
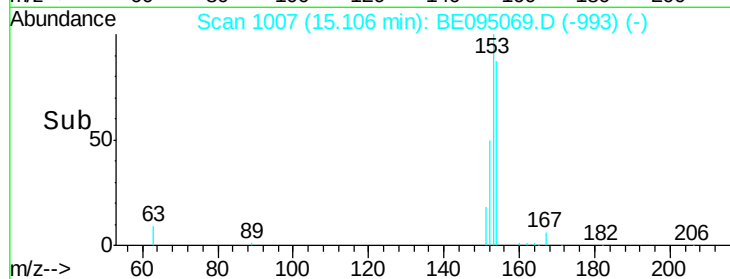
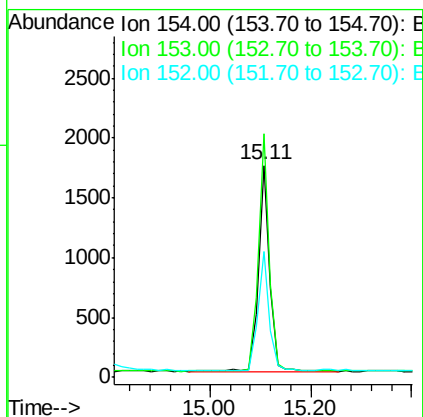
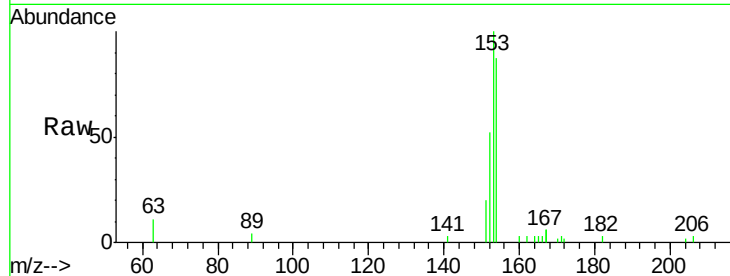
Tgt Ion: 152 Resp: 3709
Ion Ratio Lower Upper
152 100
151 20.7 15.7 23.5
153 13.1 10.5 15.7





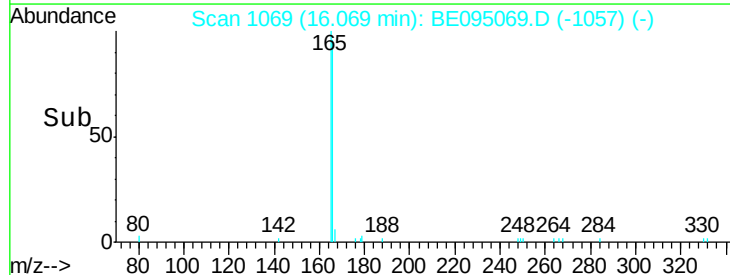
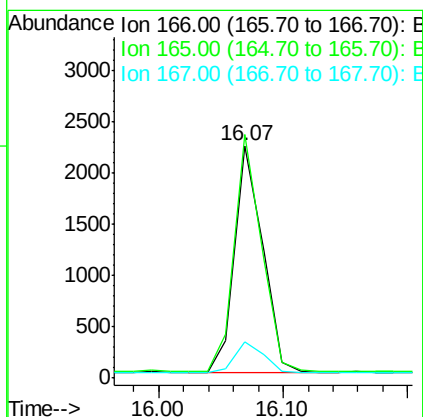
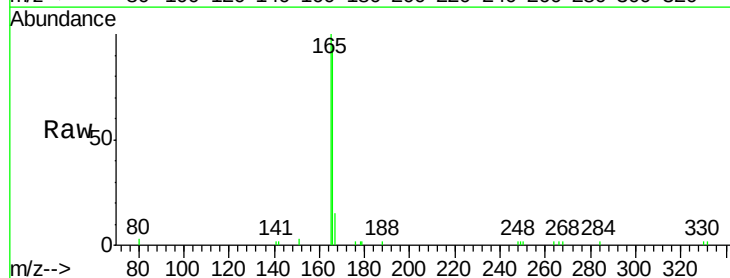
#17
Acenaphthene
Concen: 0.115 ng
RT: 15.11 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

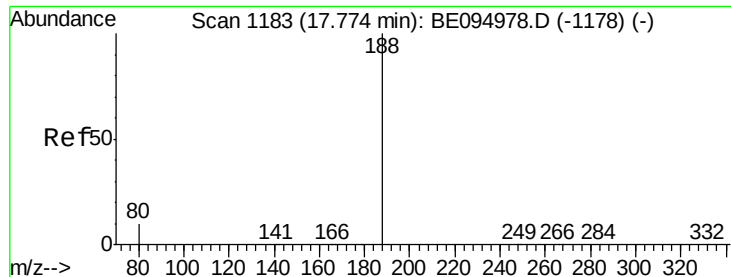
Tgt Ion:154 Resp: 2739
Ion Ratio Lower Upper
154 100
153 111.2 89.2 133.8
152 57.3 42.0 63.0



#18
Fluorene
Concen: 0.117 ng
RT: 16.07 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

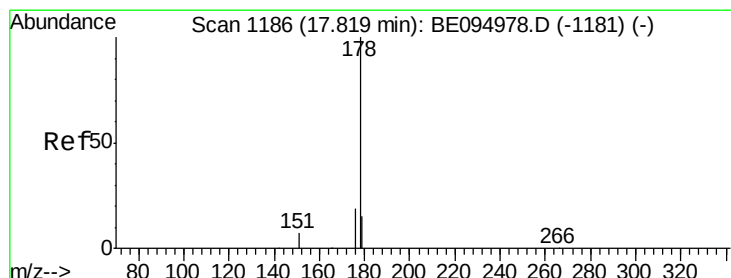
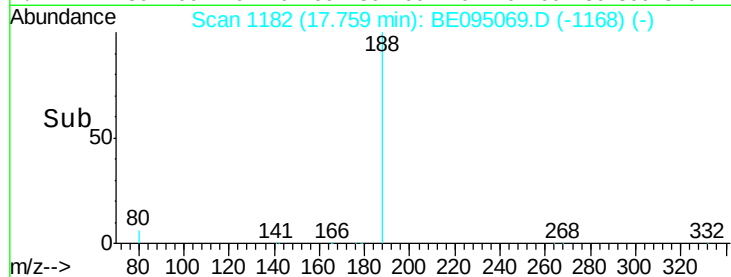
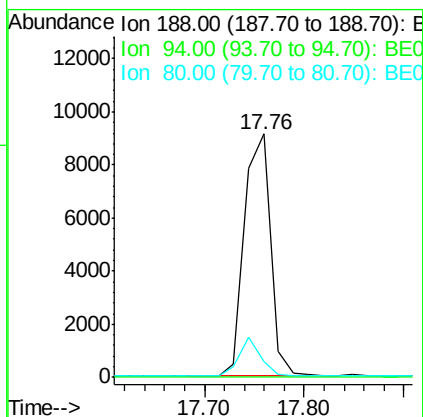
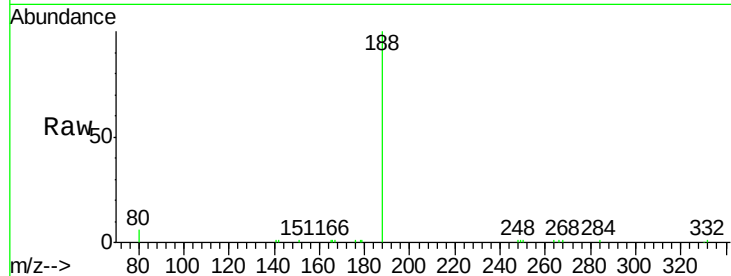
Tgt Ion:166 Resp: 3453
Ion Ratio Lower Upper
166 100
165 100.8 77.8 116.6
167 14.3 42.4 63.6#





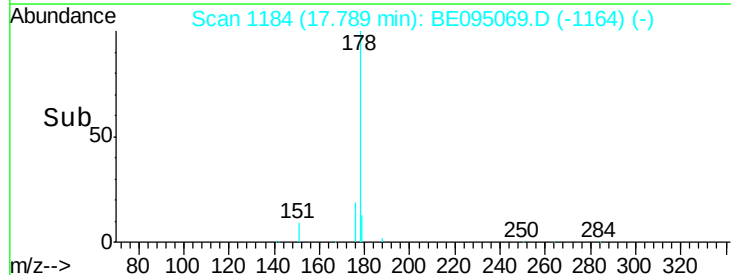
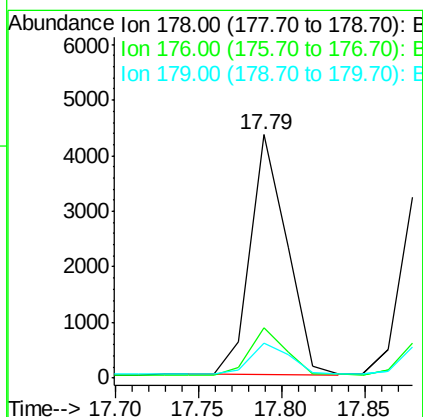
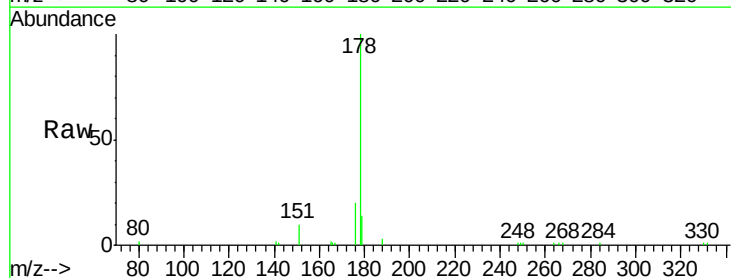
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.76 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

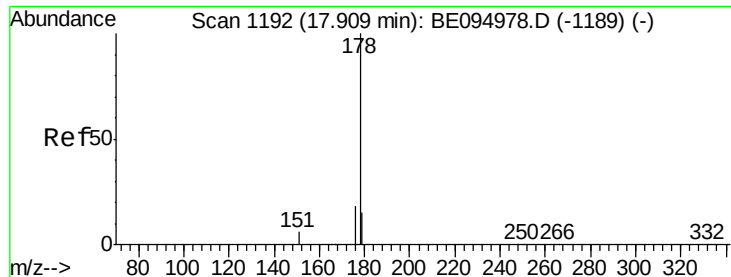
Tgt Ion:188 Resp: 16624
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 6.4 3.6 5.4#



#23
Phenanthrene
Concen: 0.128 ng
RT: 17.79 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

Tgt Ion:178 Resp: 6655
Ion Ratio Lower Upper
178 100
176 20.1 15.1 22.7
179 15.1 11.8 17.6





#24

Anthracene

Concen: 0.122 ng

RT: 17.88 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

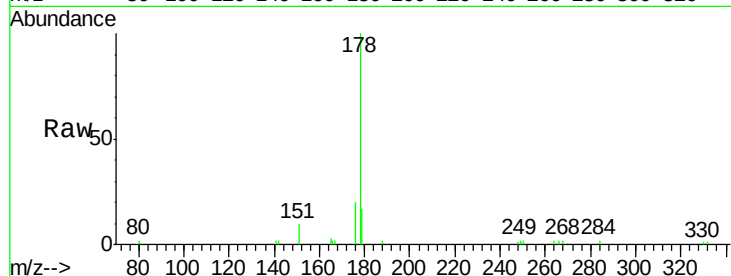
Tgt Ion: 178 Resp: 6491

Ion Ratio Lower Upper

178 100

176 25.8 12.8 19.2#

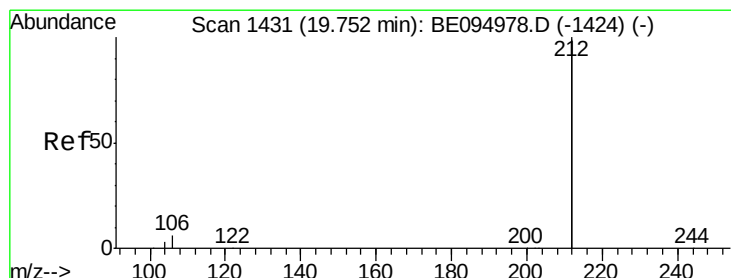
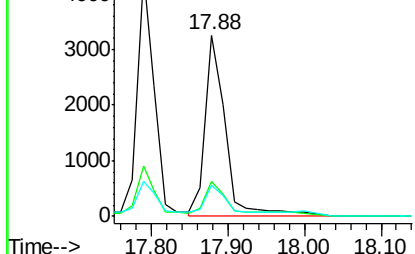
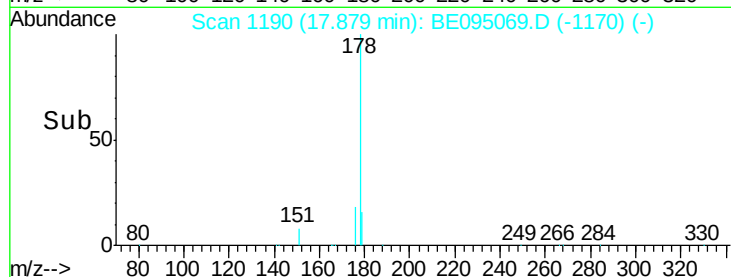
179 25.8 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.433 ng

RT: 19.73 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

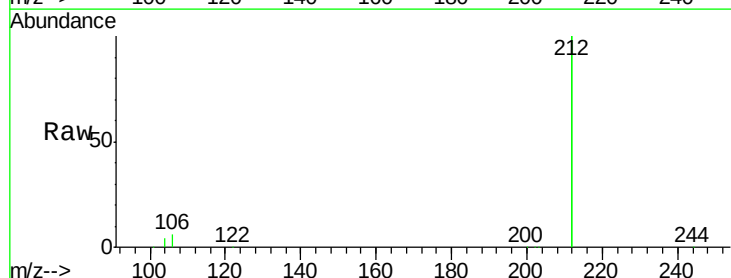
Tgt Ion: 212 Resp: 93362

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

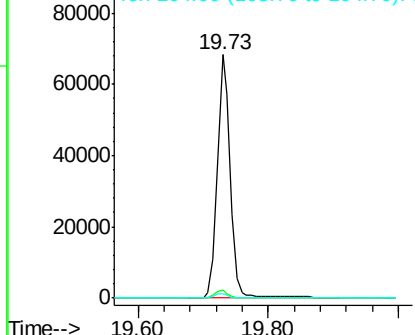
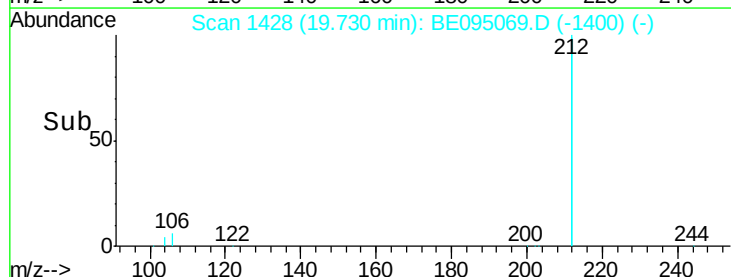
104 1.8 1.6 2.4

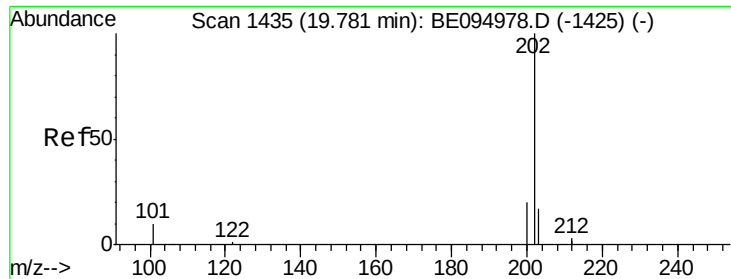


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

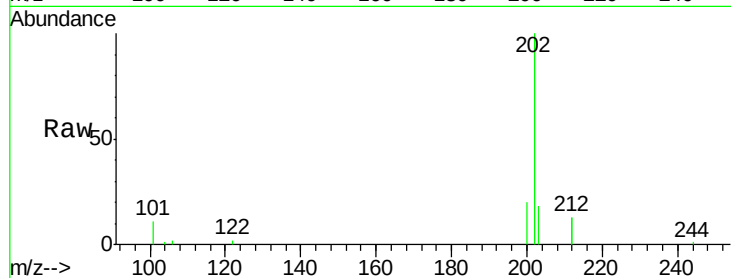
Ion 104.00 (103.70 to 104.70): E



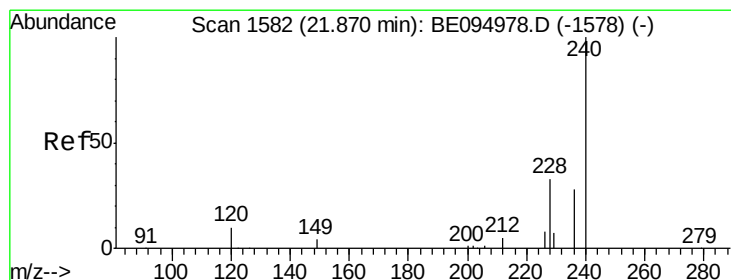
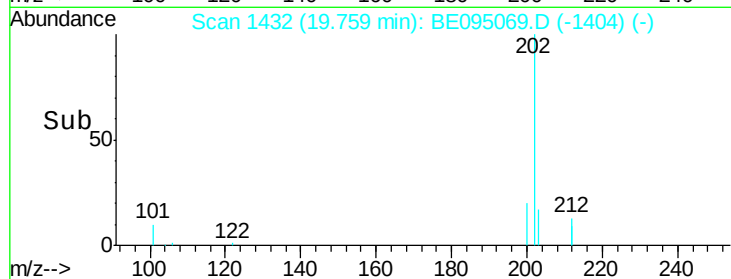
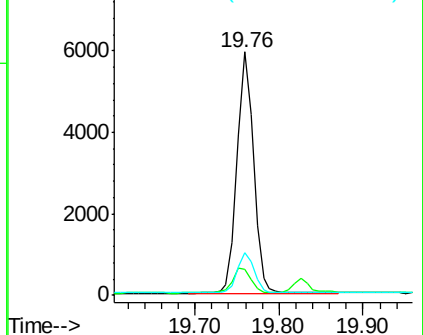


#26
Fluoranthene
Concen: 0.126 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

Tgt Ion: 202 Resp: 8025
Ion Ratio Lower Upper
202 100
101 11.5 9.8 14.8
203 17.6 13.7 20.5

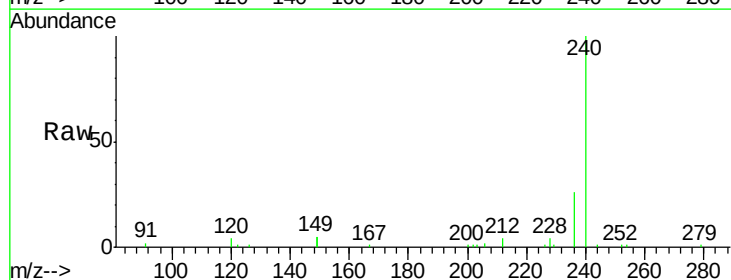


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

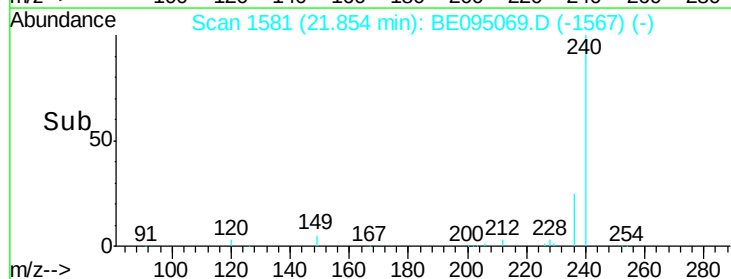
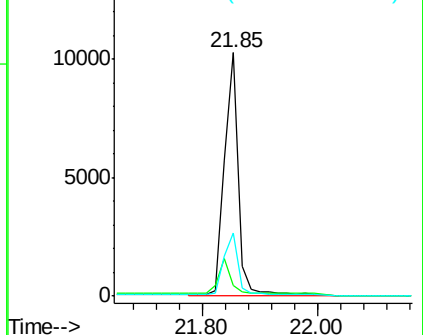


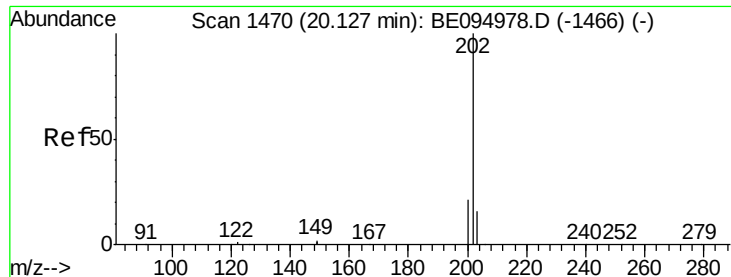
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.85 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

Tgt Ion: 240 Resp: 18287
Ion Ratio Lower Upper
240 100
120 4.4 5.5 8.3#
236 25.9 20.7 31.1



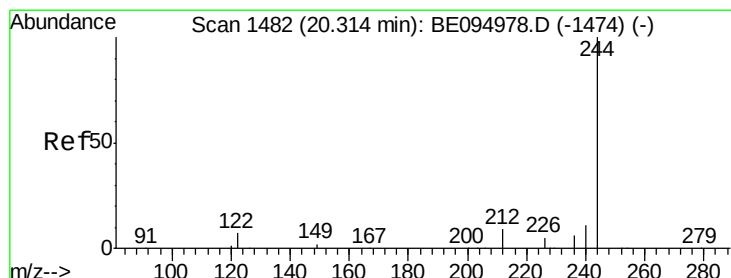
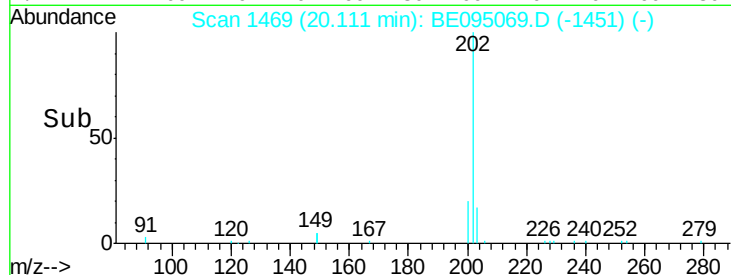
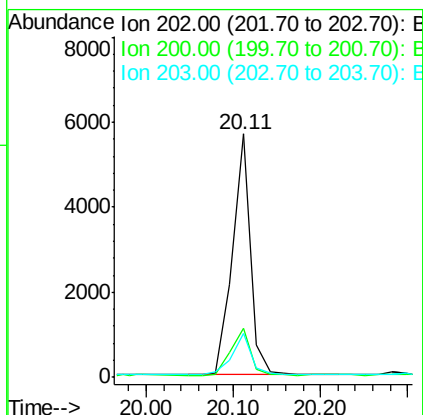
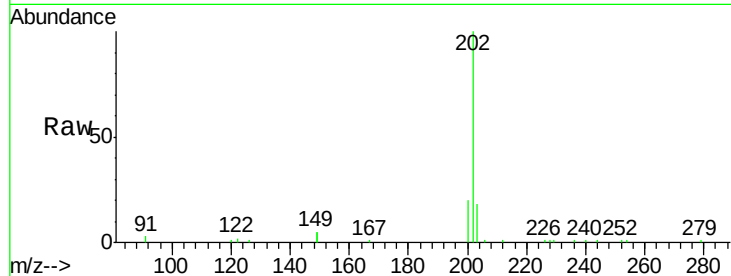
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





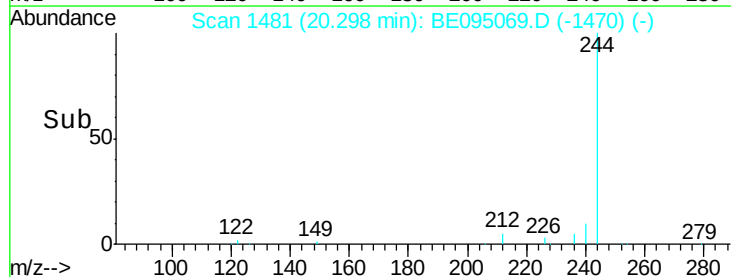
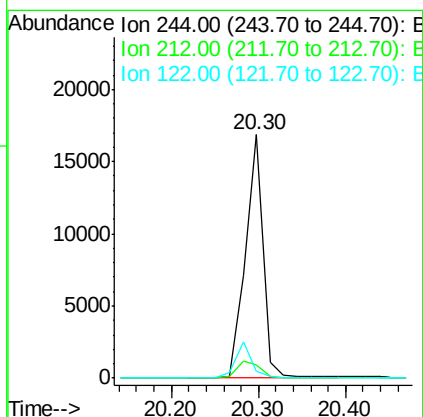
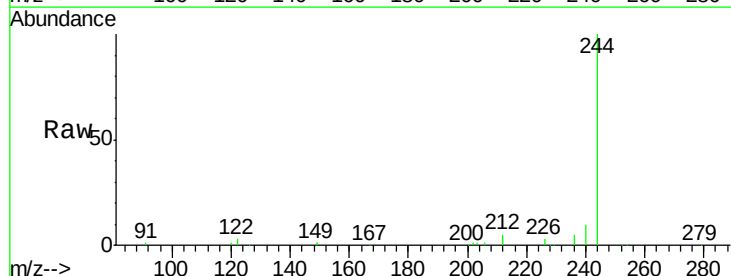
#28
 Pyrene
 Concen: 0.131 ng
 RT: 20.11 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BE095069.D
 Acq: 10 Jan 2018 12:47

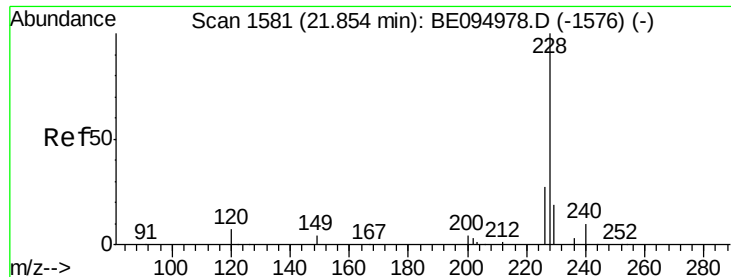
Tgt Ion:	202	Resp:	8133
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.5	13.8	20.8



#29
 Terphenyl-d14
 Concen: 0.690 ng
 RT: 20.30 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BE095069.D
 Acq: 10 Jan 2018 12:47

Tgt Ion:	244	Resp:	23749
Ion	Ratio	Lower	Upper
244	100		
212	5.4	25.4	38.0#
122	2.8	8.1	12.1#





#30

Benzo(a)anthracene

Concen: 0.121 ng

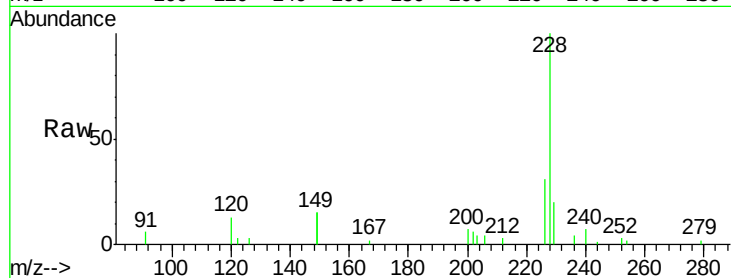
RT: 21.82 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

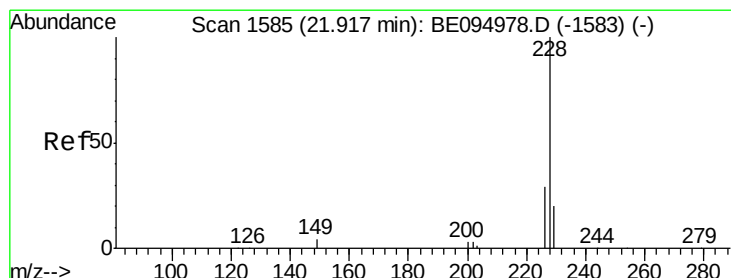
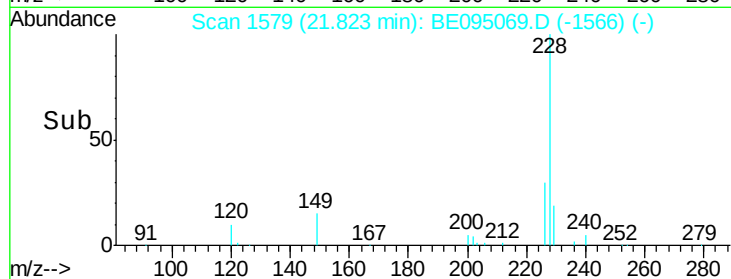
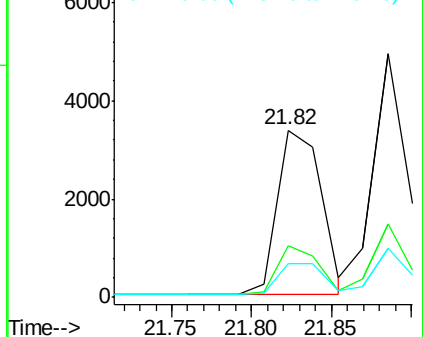
Tgt Ion:	228	Resp:	6448
Ion	Ratio	Lower	Upper
228	100		
226	30.9	40.0	60.0#
229	20.1	40.0	60.0#



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



#31

Chrysene

Concen: 0.144 ng

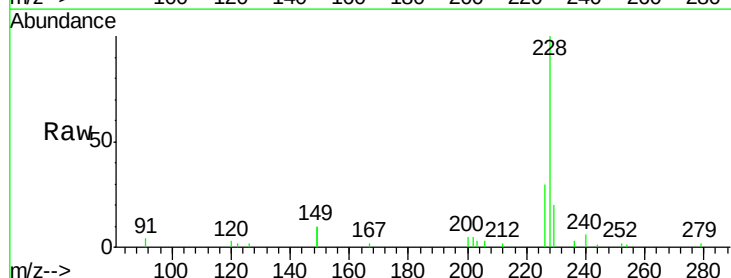
RT: 21.89 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

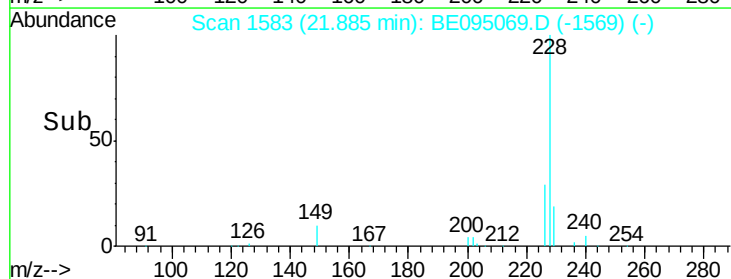
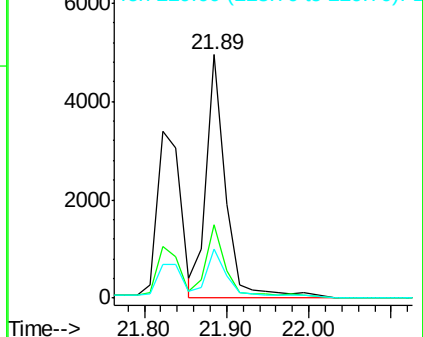
Tgt Ion:	228	Resp:	8636
Ion	Ratio	Lower	Upper
228	100		
226	30.2	40.0	60.0#
229	20.4	40.0	60.0#

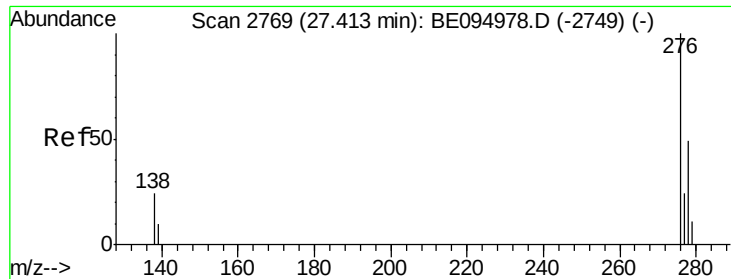


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

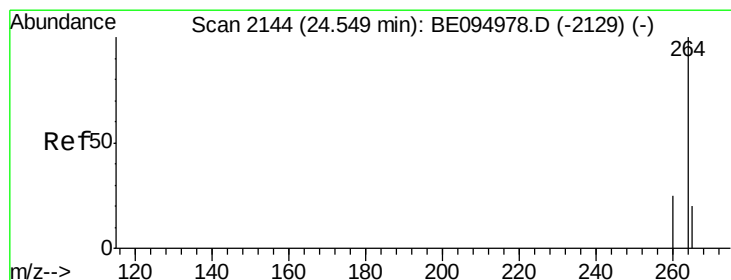
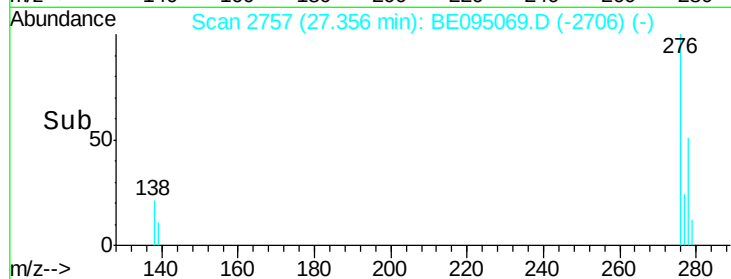
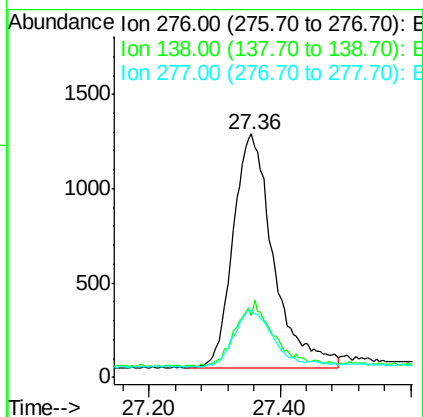
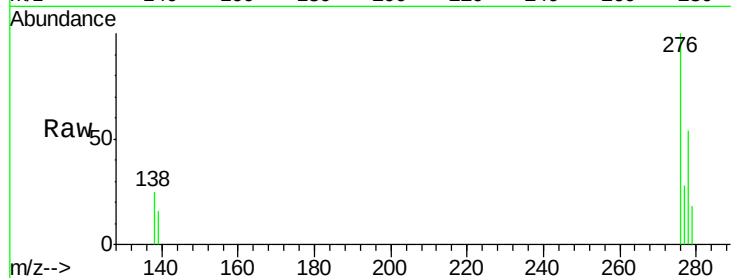
Ion 229.00 (228.70 to 229.70): E





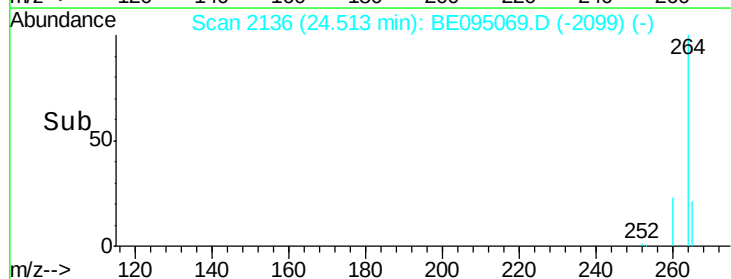
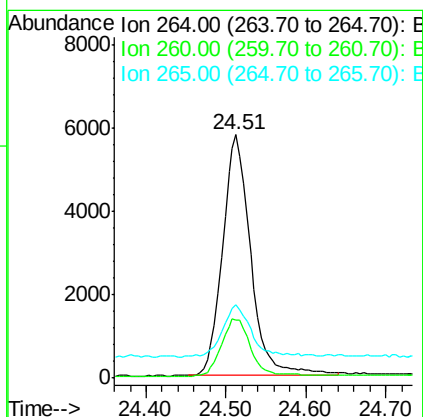
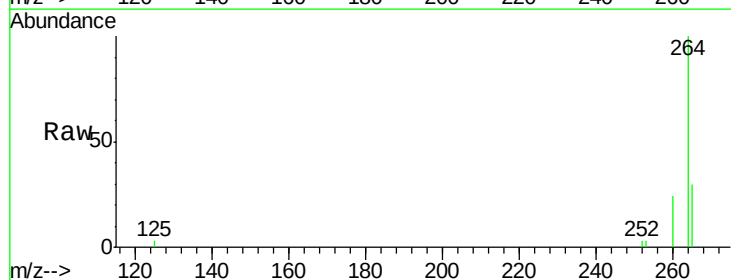
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.108 ng
 RT: 27.36 min Scan# 2757
 Delta R.T. 0.03 min
 Lab File: BE095069.D
 Acq: 10 Jan 2018 12:47

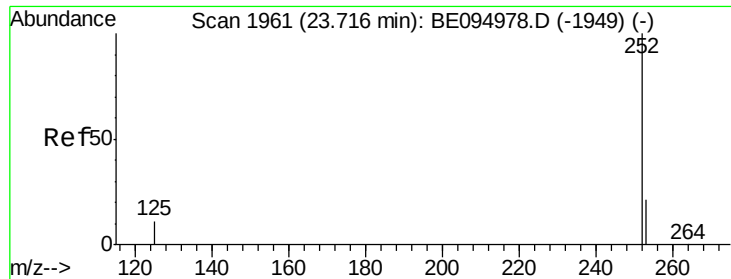
Tgt Ion: 276 Resp: 5288
 Ion Ratio Lower Upper
 276 100
 138 25.3 22.5 33.7
 277 22.8 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.51 min Scan# 2136
 Delta R.T. 0.02 min
 Lab File: BE095069.D
 Acq: 10 Jan 2018 12:47

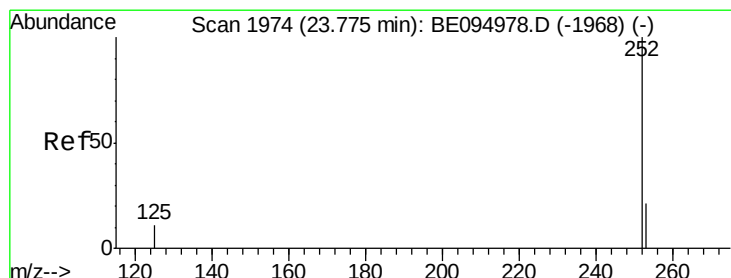
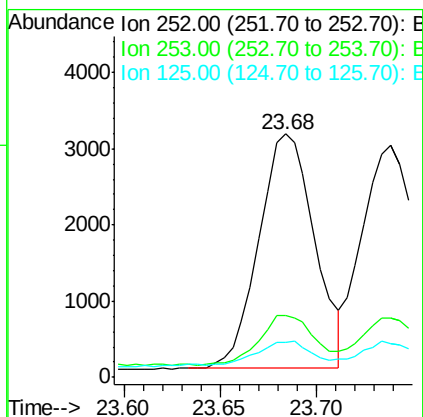
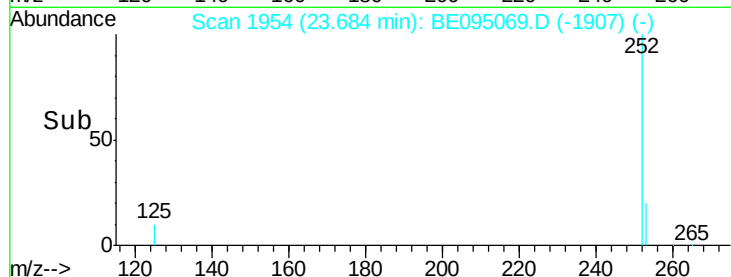
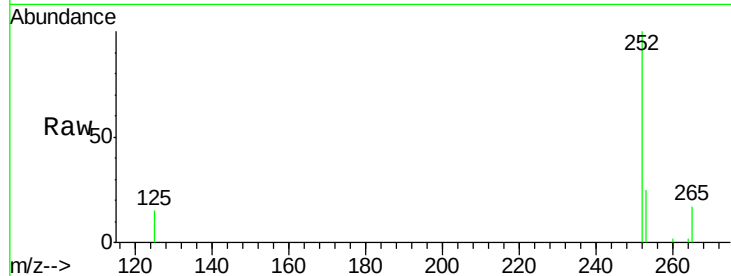
Tgt Ion: 264 Resp: 14243
 Ion Ratio Lower Upper
 264 100
 260 24.0 20.5 30.7
 265 30.2 22.8 34.2





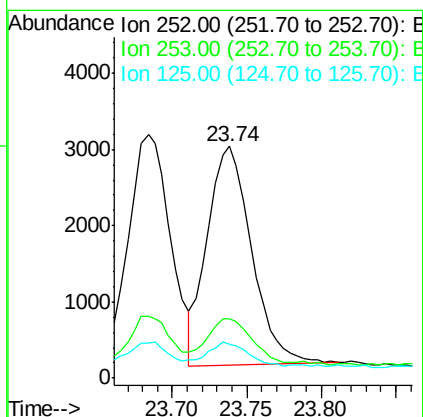
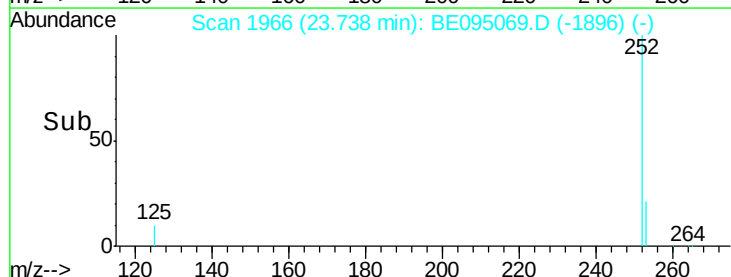
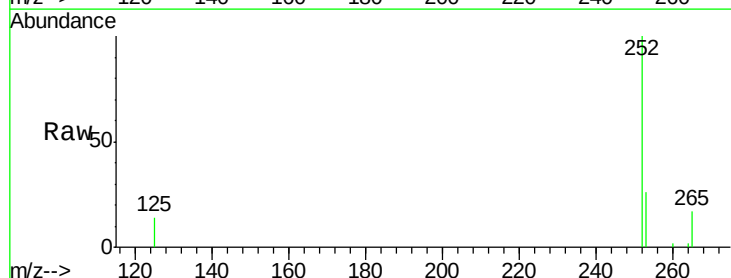
#35
Benzo(b)fluoranthene
Concen: 0.118 ng
RT: 23.68 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

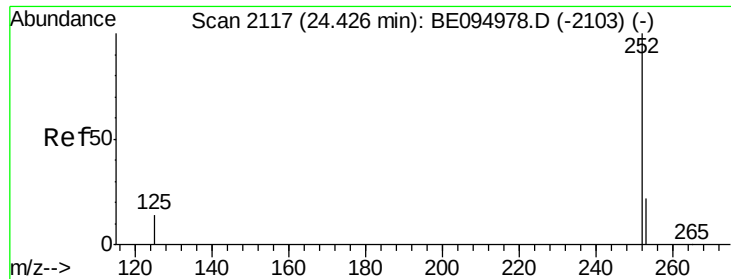
Tgt Ion: 252 Resp: 6197
Ion Ratio Lower Upper
252 100
253 25.2 20.0 30.0
125 14.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.112 ng
RT: 23.74 min Scan# 1966
Delta R.T. 0.02 min
Lab File: BE095069.D
Acq: 10 Jan 2018 12:47

Tgt Ion: 252 Resp: 5937
Ion Ratio Lower Upper
252 100
253 25.7 16.0 24.0#
125 14.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.106 ng

RT: 24.39 min Scan# 2109

Delta R.T. 0.02 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

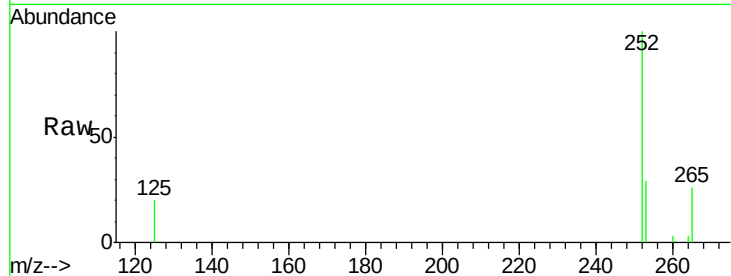
Tgt Ion: 252 Resp: 4920

Ion Ratio Lower Upper

252 100

253 28.8 16.0 24.0#

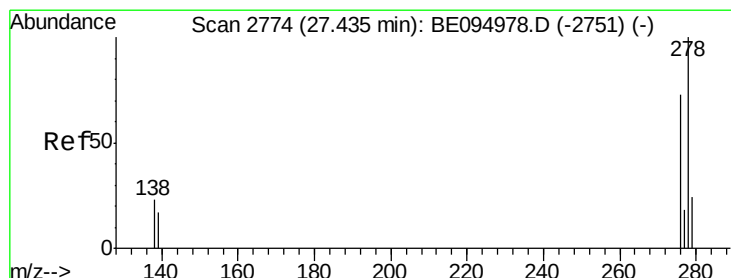
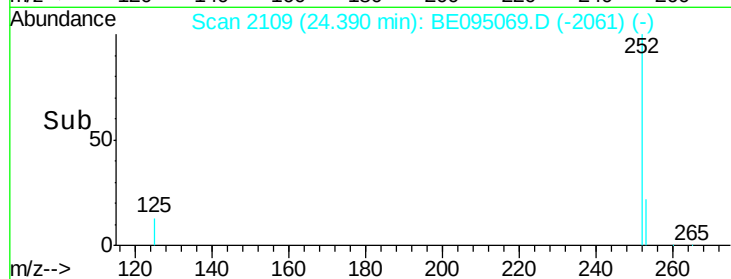
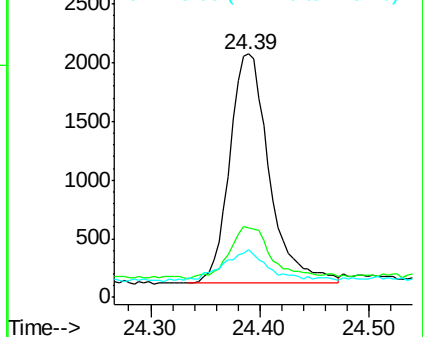
125 19.5 12.0 18.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.093 ng

RT: 27.38 min Scan# 2762

Delta R.T. 0.03 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

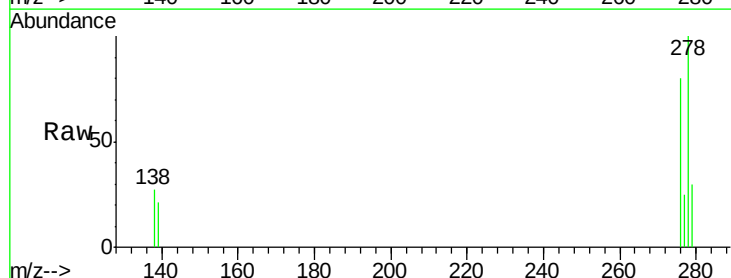
Tgt Ion: 278 Resp: 4000

Ion Ratio Lower Upper

278 100

139 20.7 16.0 24.0

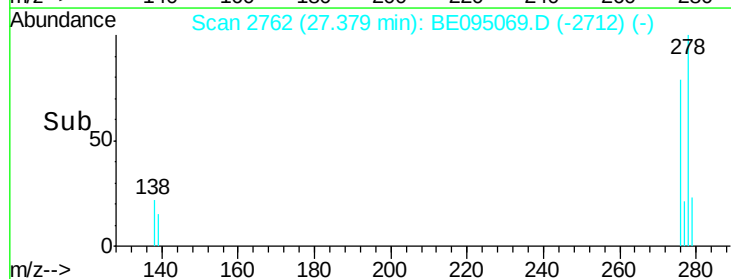
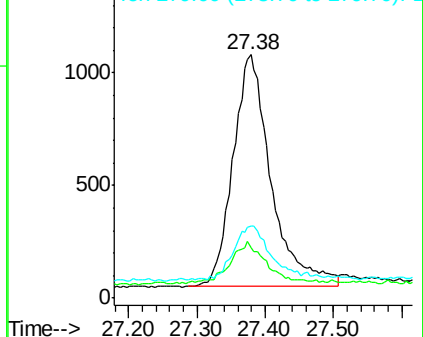
279 29.9 20.0 30.0

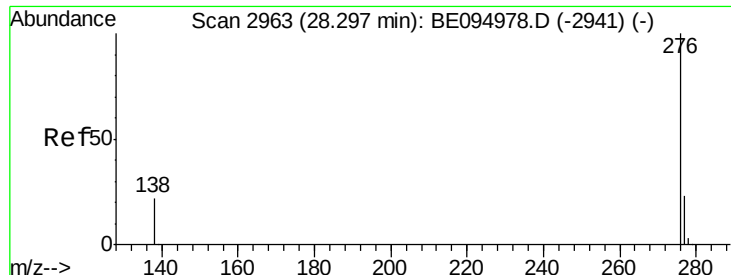


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.116 ng

RT: 28.24 min Scan# 2951

Delta R.T. 0.04 min

Lab File: BE095069.D

Acq: 10 Jan 2018 12:47

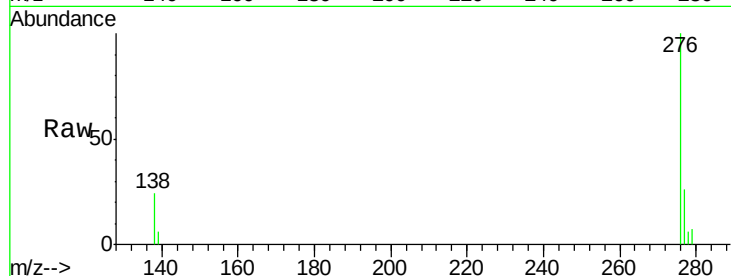
Tgt Ion: 276 Resp: 4980

Ion Ratio Lower Upper

276 100

277 26.1 16.0 24.0#

138 24.4 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

