

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081018\
 Data File : BE097267.D
 Acq On : 10 Aug 2018 18:13
 Operator : SJ/JU
 Sample : PB111898BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 10 23:07:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1153	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	4900	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	2274	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	6026	0.40	ng	0.00
27) Chrysene-d12	20.98	240	7391	0.40	ng	0.00
34) Perylene-d12	23.22	264	7478	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1096	0.34	ng	0.01
5) Phenol-d6	6.61	99	1414	0.30	ng	0.01
8) Nitrobenzene-d5	8.52	82	1560	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2772	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	178	0.24	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	3180	0.40	ng	0.00
25) Fluoranthene-d10	18.81	212	23117	0.38	ng	0.00
29) Terphenyl-d14	19.43	244	3916	0.28	ng	0.00

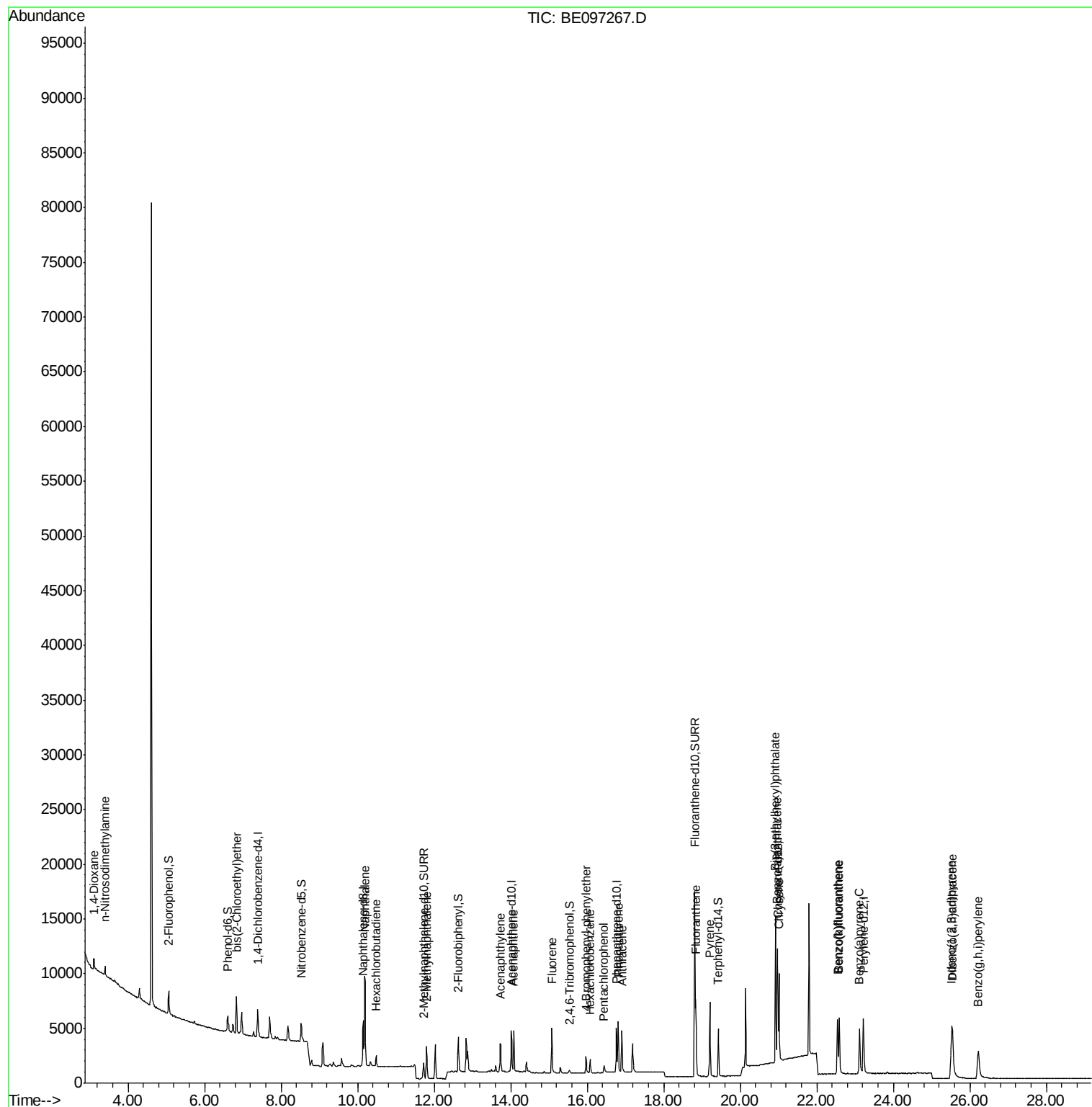
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.11	88	593	0.324	ng	# 65
3) n-Nitrosodimethylamine	3.38	42	634	0.309	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	1236	0.285	ng	94
9) Naphthalene	10.19	128	15008	0.341	ng	99
10) Hexachlorobutadiene	10.48	225	655	0.332	ng	96
12) 2-Methylnaphthalene	11.80	142	2309	0.306	ng	98
16) Acenaphthylene	13.73	152	3450	0.338	ng	99
17) Acenaphthene	14.08	154	1973	0.333	ng	# 93
18) Fluorene	15.08	166	2544	0.324	ng	# 78
20) 4-Bromophenyl-phenylether	15.97	248	850	0.290	ng	# 82
21) Hexachlorobenzene	16.08	284	969	0.308	ng	# 83
22) Pentachlorophenol	16.44	266	443	0.569	ng	# 78
23) Phenanthrene	16.81	178	4766	0.332	ng	98
24) Anthracene	16.91	178	4428	0.345	ng	96
26) Fluoranthene	18.84	202	6228	0.386	ng	98
28) Pyrene	19.21	202	6254	0.308	ng	99
30) Benzo(a)anthracene	20.97	228	6730	0.366	ng	96
31) Chrysene	21.02	228	6726	0.341	ng	100
32) Bis(2-ethylhexyl)phthalate	20.92	149	12633	0.632	ng	99
33) Indeno(1,2,3-cd)pyrene	25.52	276	8351	0.468	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	6736	0.355	ng	# 91
36) Benzo(k)fluoranthene	22.59	252	7209	0.325	ng	# 91
37) Benzo(a)pyrene	23.12	252	6780	0.380	ng	# 92
38) Dibenzo(a,h)anthracene	25.55	278	6993	0.392	ng	97
39) Benzo(g,h,i)perylene	26.22	276	6931	0.367	ng	# 90

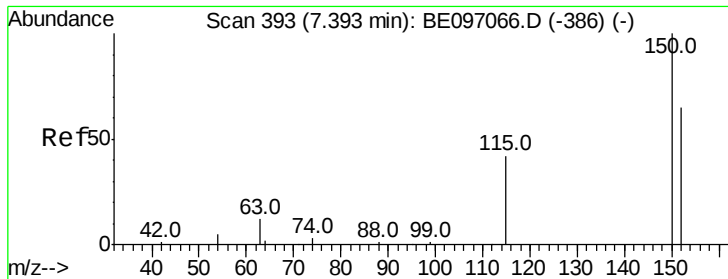
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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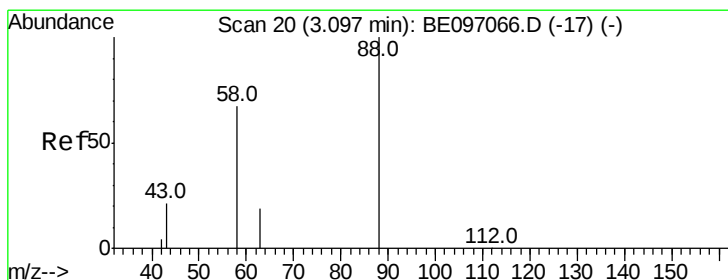
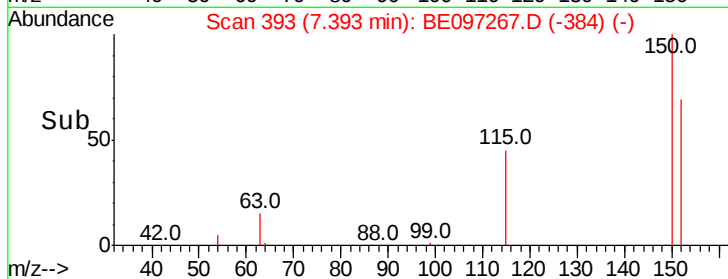
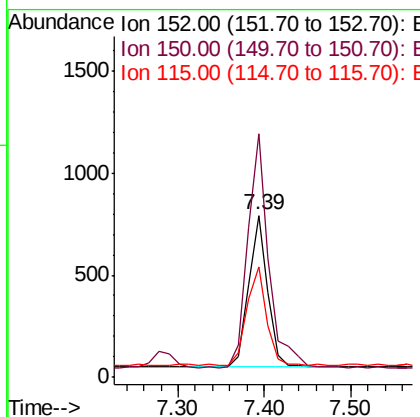
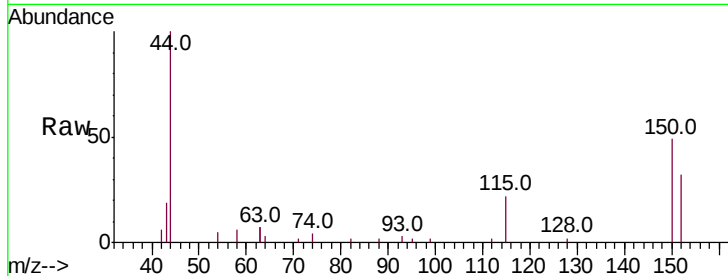




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.39 min Scan# 393
 Delta R.T. 0.00 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

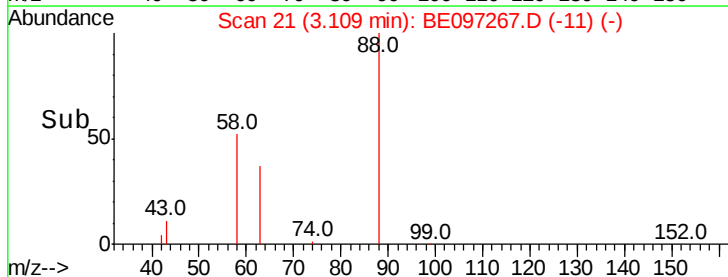
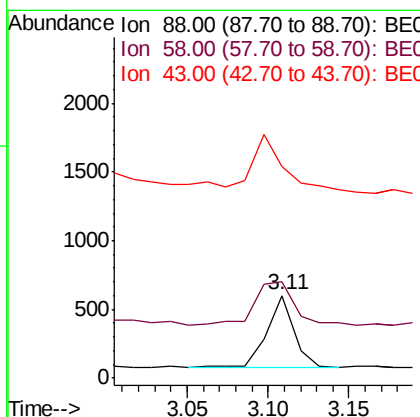
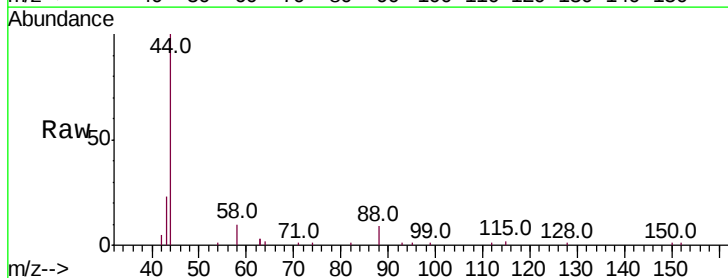
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1153
 Ion Ratio Lower Upper
 152 100
 150 150.5 117.2 175.8
 115 68.3 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.324 ng
 RT: 3.11 min Scan# 21
 Delta R.T. 0.01 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

Tgt Ion: 88 Resp: 593
 Ion Ratio Lower Upper
 88 100
 58 92.2 63.2 94.8
 43 97.3 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.309 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

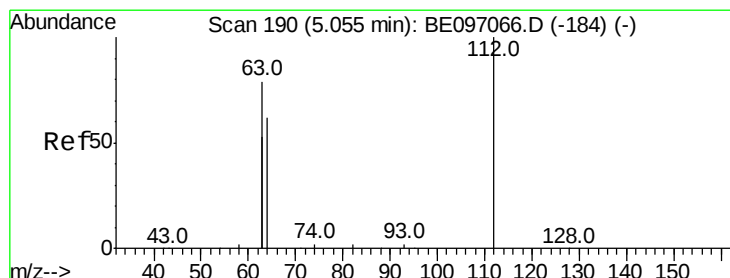
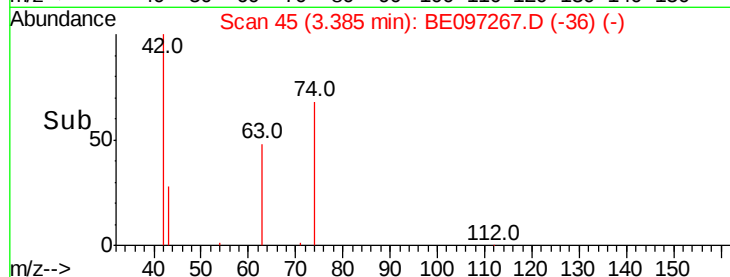
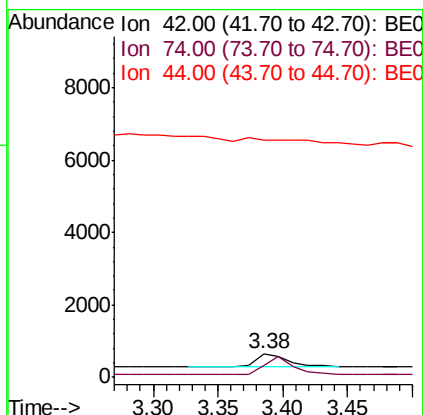
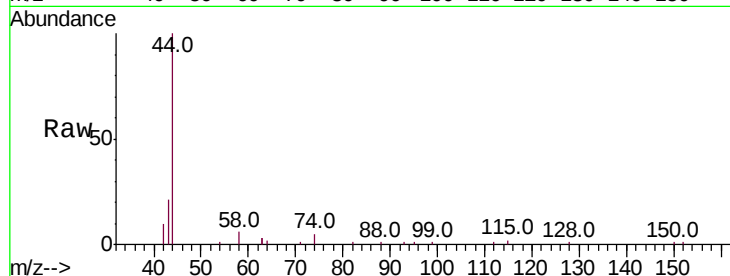
Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 634

Ion	Ratio	Lower	Upper
42	100		
74	124.0	96.0	144.0
44	0.0	12.0	18.0



#4

2-Fluorophenol

Concen: 0.338 ng

RT: 5.07 min Scan# 191

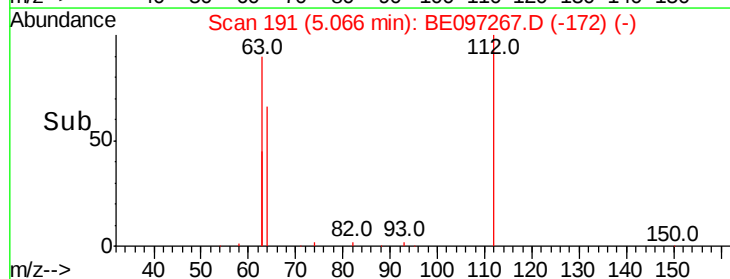
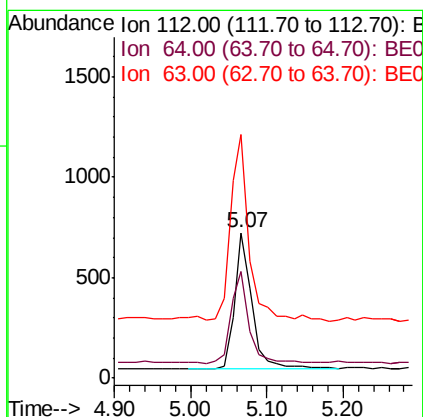
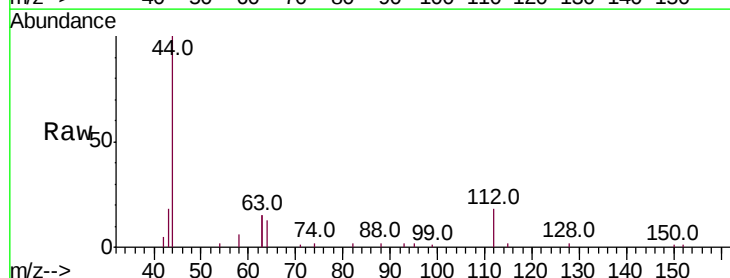
Delta R.T. 0.01 min

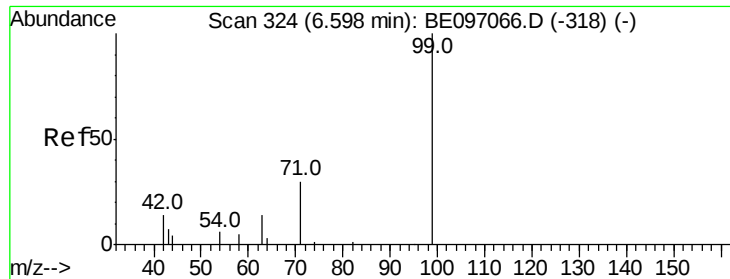
Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Tgt Ion: 112 Resp: 1096

Ion	Ratio	Lower	Upper
112	100		
64	69.9	60.1	90.1
63	146.3	116.8	175.2





#5

Phenol-d6

Concen: 0.297 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

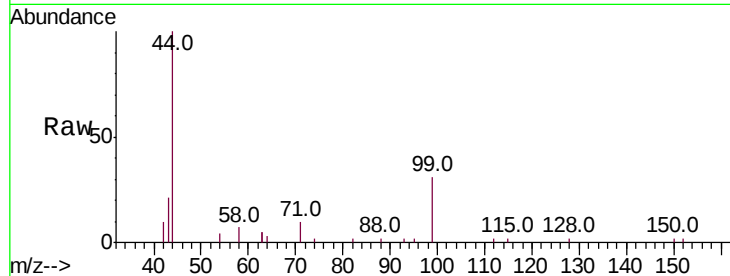
Tot Ion: 99 Resp: 1414

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

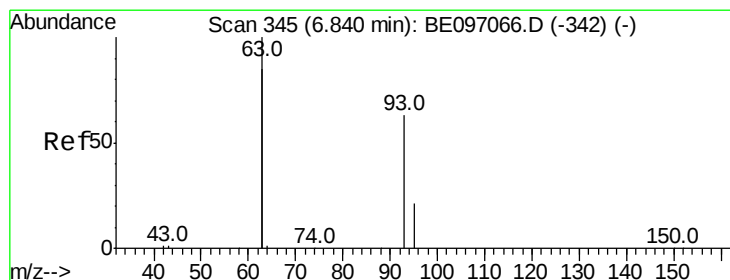
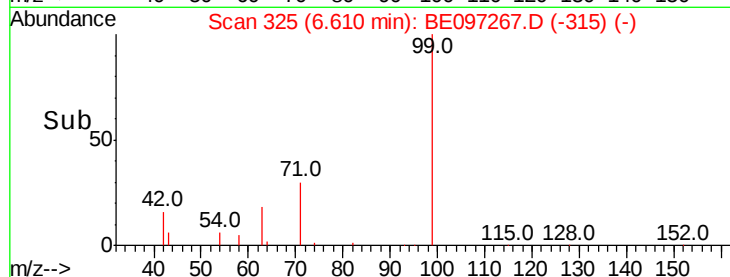
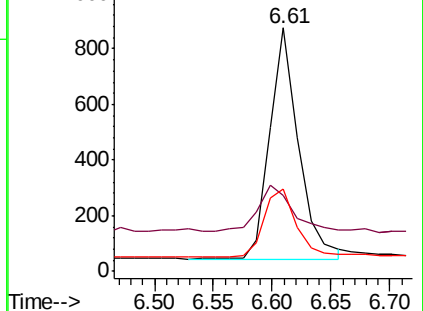
71 33.2 28.4 42.6



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



#6

bis(2-Chloroethyl)ether

Concen: 0.285 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

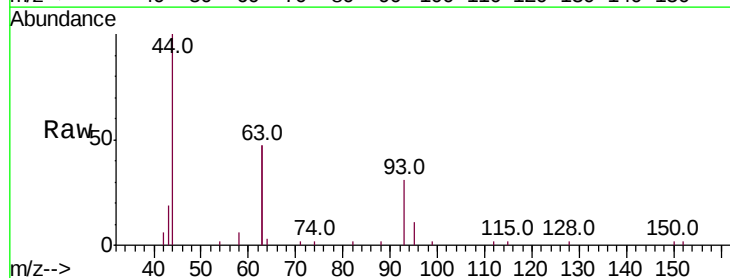
Tgt Ion: 93 Resp: 1236

Ion Ratio Lower Upper

93 100

63 330.1 275.3 412.9

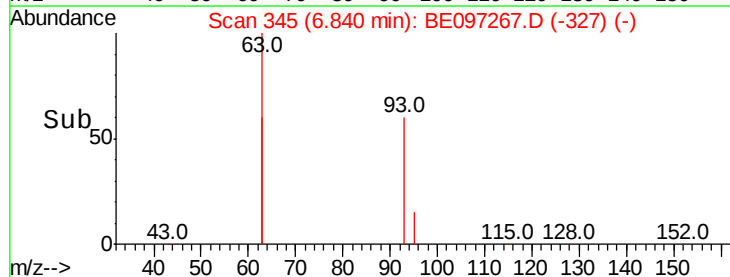
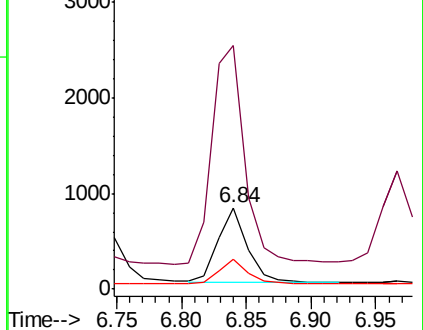
95 32.3 25.2 37.8

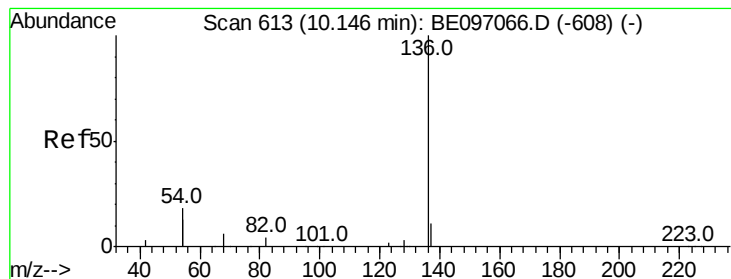


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4900

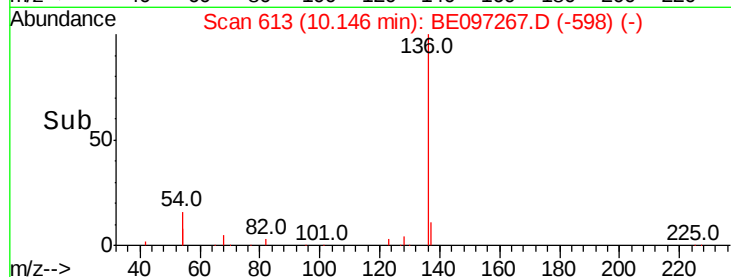
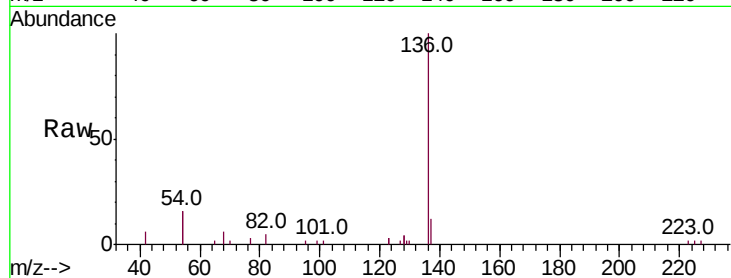
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 31.5 29.1 43.7

68 6.5 6.2 9.2

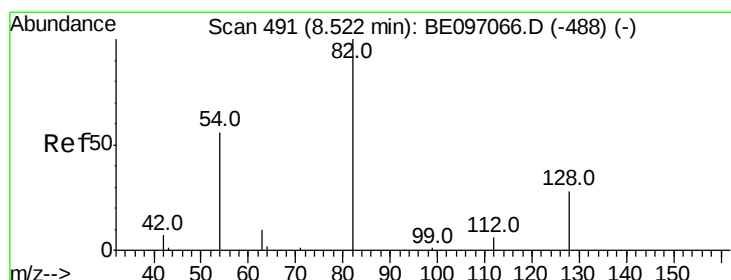
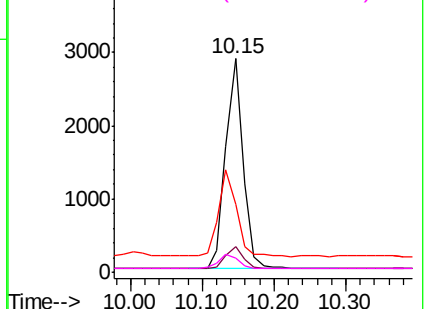


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.366 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

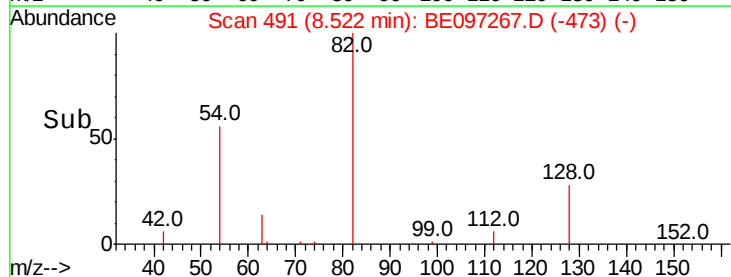
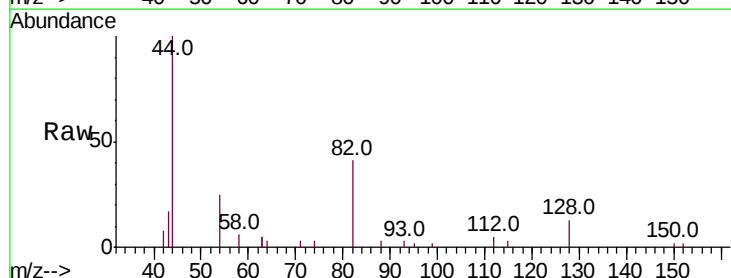
Tgt Ion: 82 Resp: 1560

Ion Ratio Lower Upper

82 100

128 32.0 24.0 36.0

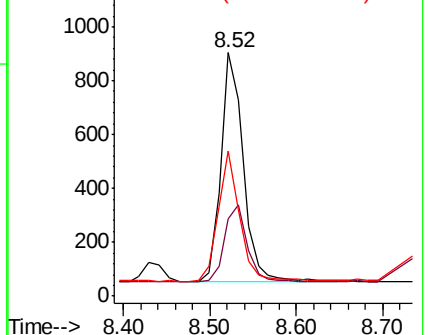
54 59.7 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.341 ng

RT: 10.19 min Scan# 616

Delta R.T. -0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

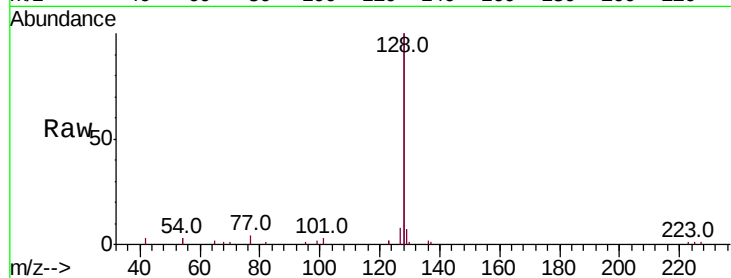
Tot Ion:128 Resp: 15008

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

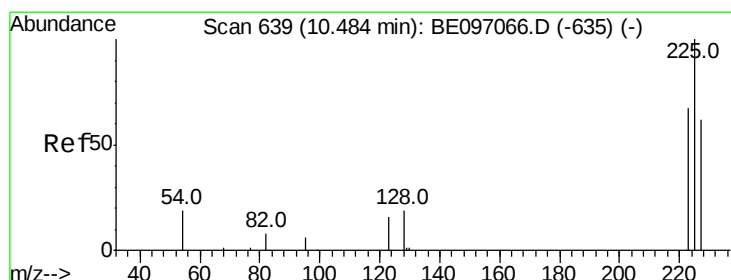
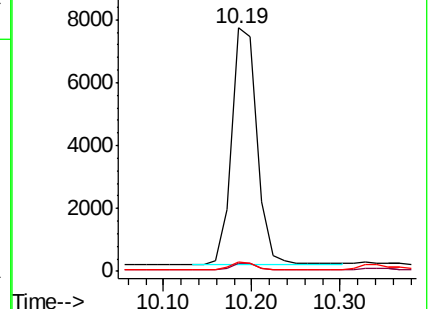
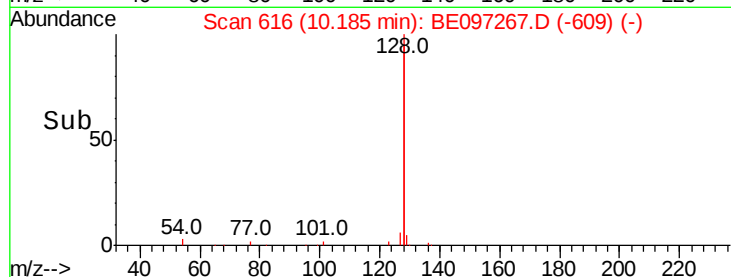
127 3.9 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.332 ng

RT: 10.48 min Scan# 639

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

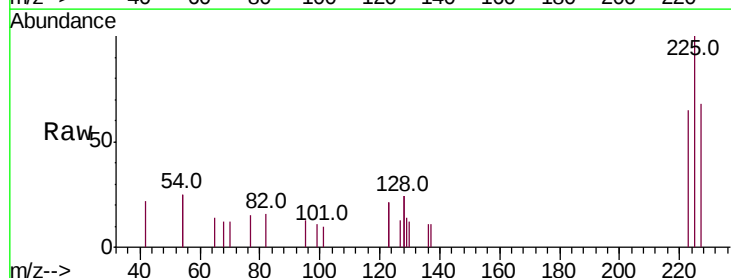
Tgt Ion:225 Resp: 655

Ion Ratio Lower Upper

225 100

223 61.8 53.0 79.6

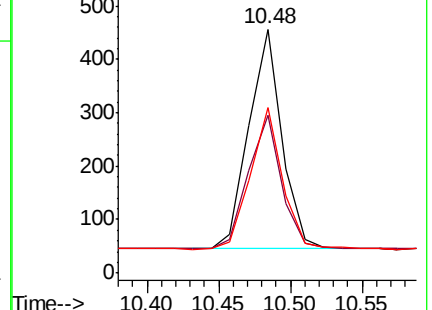
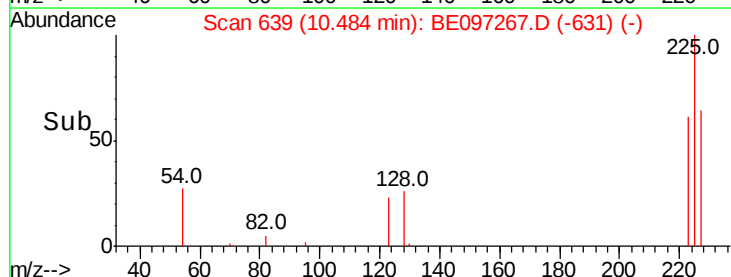
227 62.9 51.4 77.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

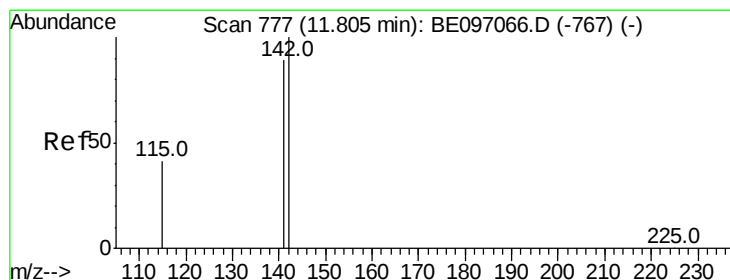
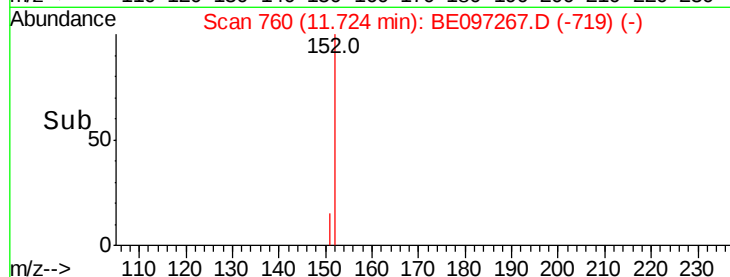
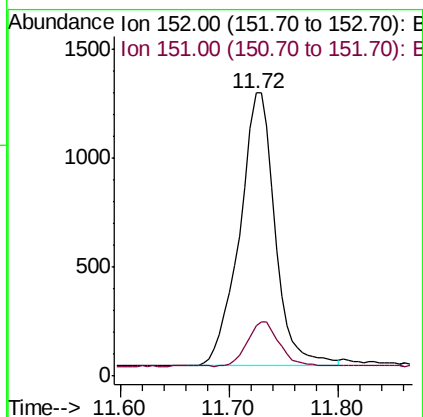
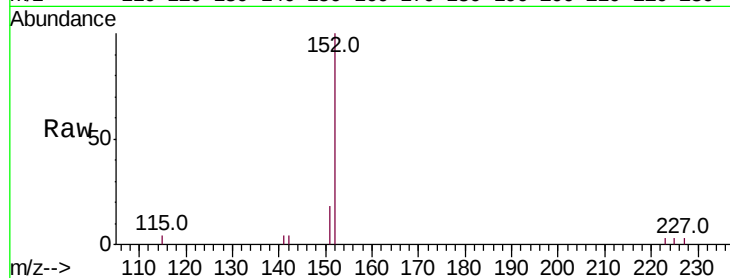




#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 11.72 min Scan# 760
Delta R.T. -0.00 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

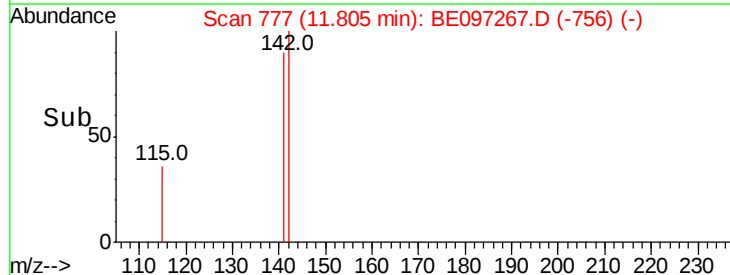
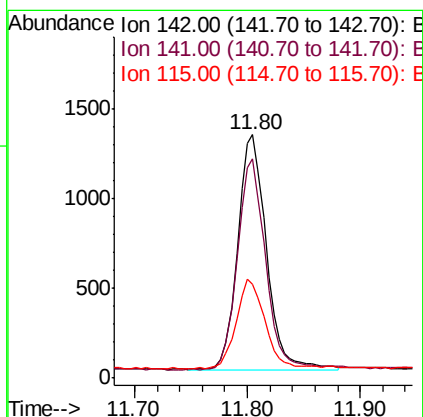
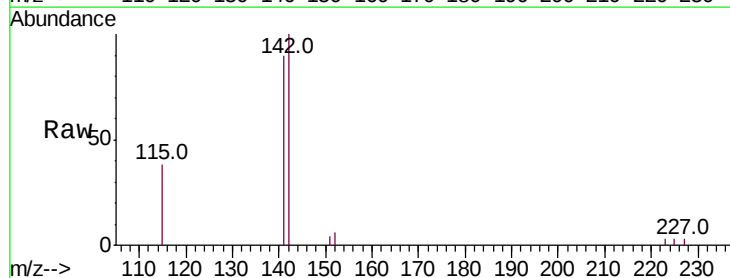
Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2772
Ion Ratio Lower Upper
152 100
151 14.9 15.4 23.0#



#12
2-Methylnaphthalene
Concen: 0.306 ng
RT: 11.80 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

Tgt Ion:142 Resp: 2309
Ion Ratio Lower Upper
142 100
141 89.9 70.4 105.6
115 38.4 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

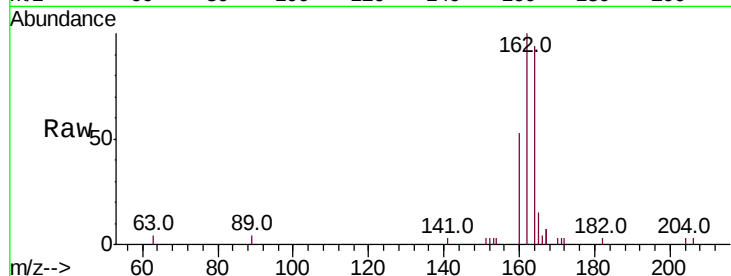
Tot Ion:164 Resp: 2274

Ion Ratio Lower Upper

164 100

162 106.2 83.1 124.7

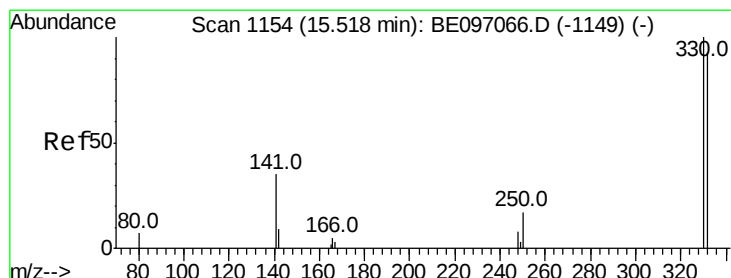
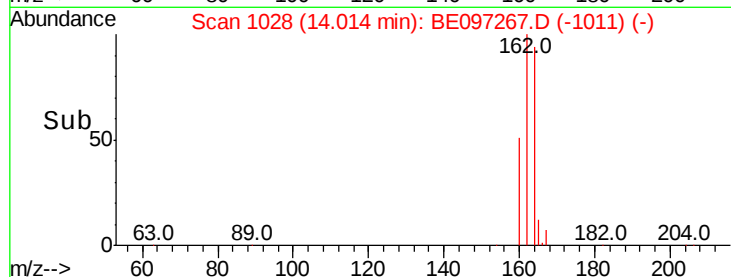
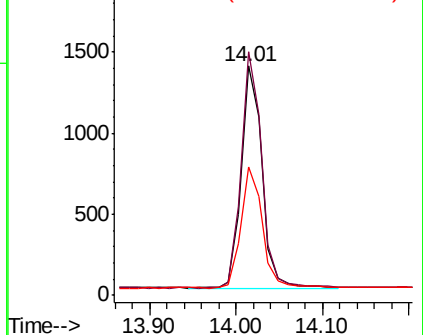
160 55.9 37.1 55.7#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.238 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

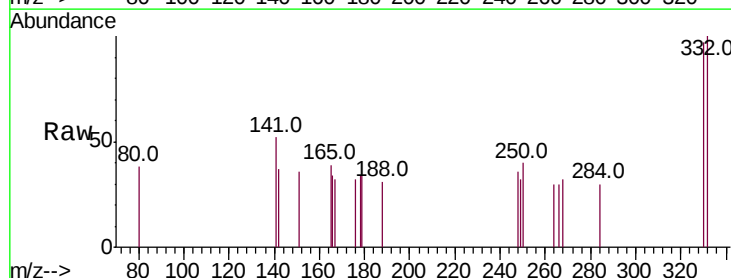
Tgt Ion:330 Resp: 178

Ion Ratio Lower Upper

330 100

332 97.2 152.7 229.1#

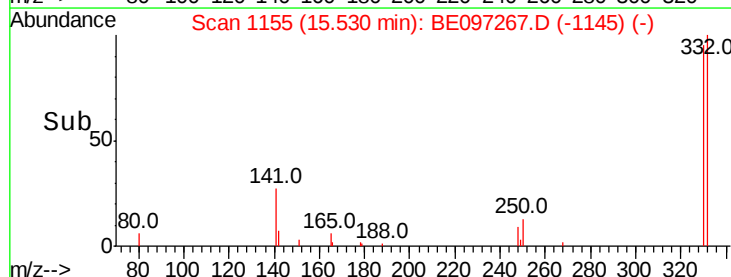
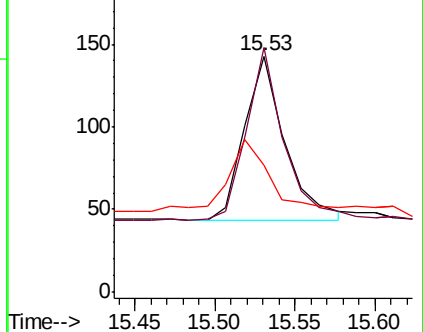
141 43.8 33.7 50.5

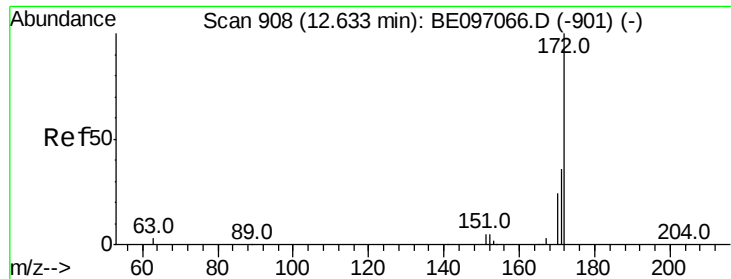


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

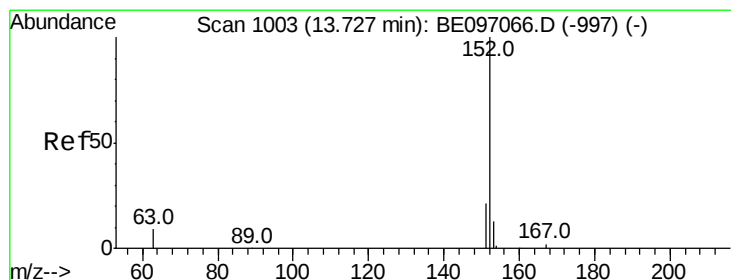
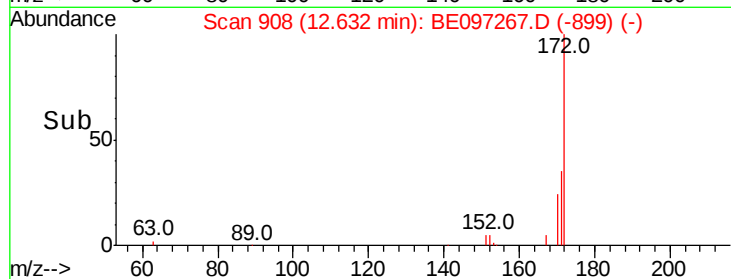
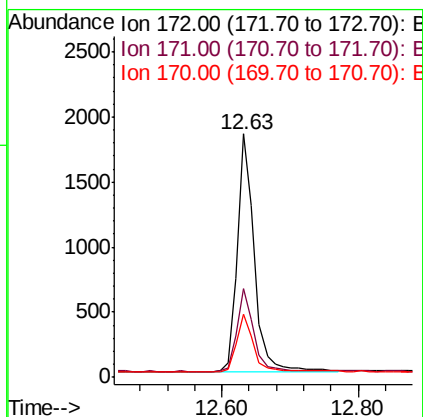
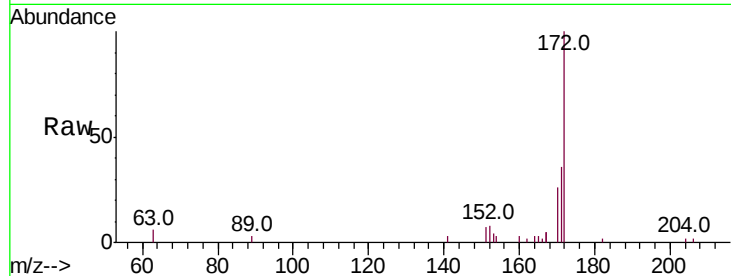




#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

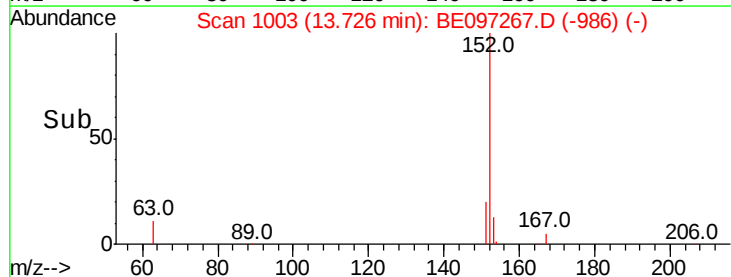
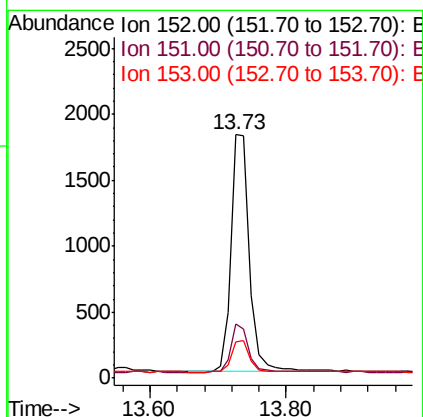
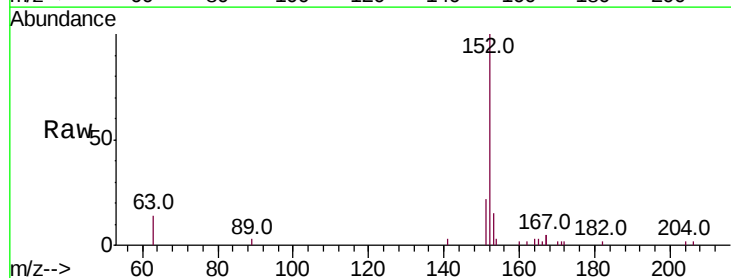
Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 3180
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 26.0 21.8 32.8



#16
Acenaphthylene
Concen: 0.338 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097267.D
Acq: 10 Aug 2018 18:13

Tgt Ion:152 Resp: 3450
Ion Ratio Lower Upper
152 100
151 19.2 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.333 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

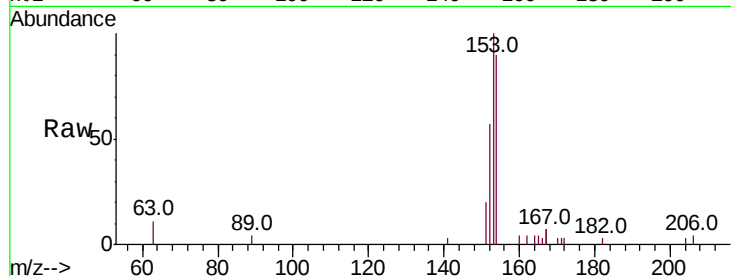
Tot Ion:154 Resp: 1973

Ion Ratio Lower Upper

154 100

153 114.9 89.2 133.8

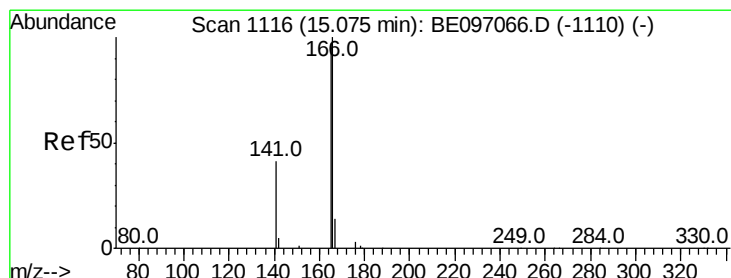
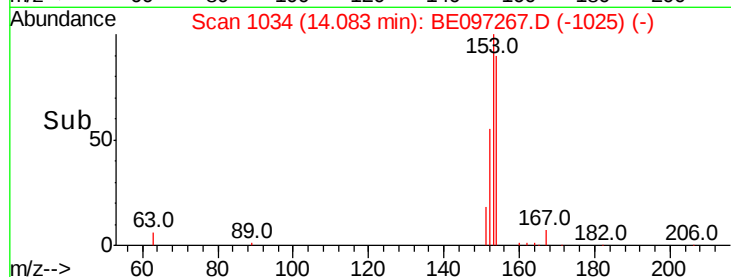
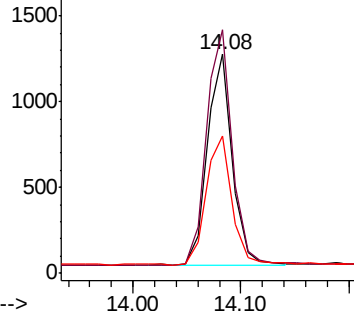
152 64.0 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.324 ng

RT: 15.08 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

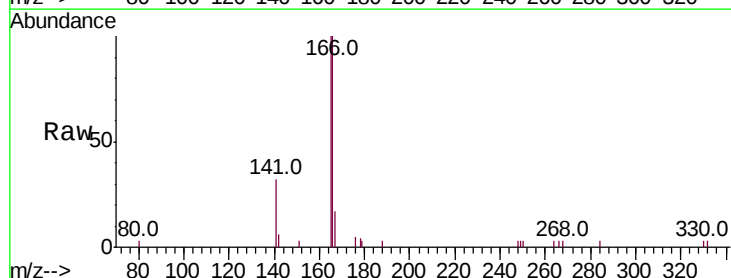
Tgt Ion:166 Resp: 2544

Ion Ratio Lower Upper

166 100

165 100.9 77.8 116.6

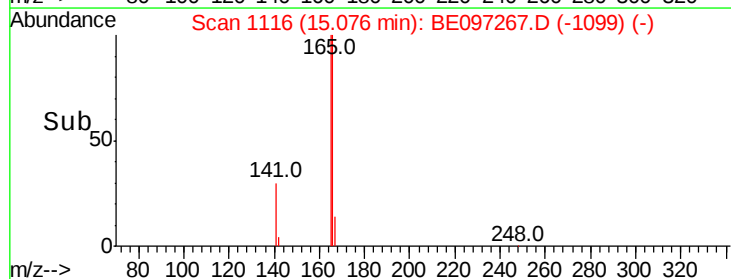
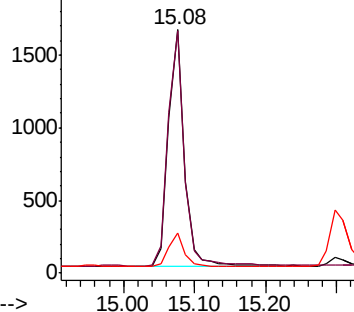
167 13.9 42.4 63.6#



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampled :

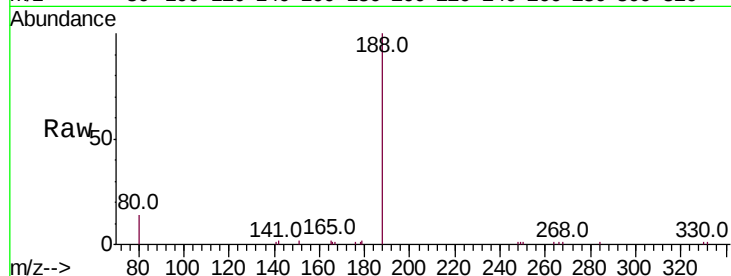
Tot Ion:188 Resp: 6026

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

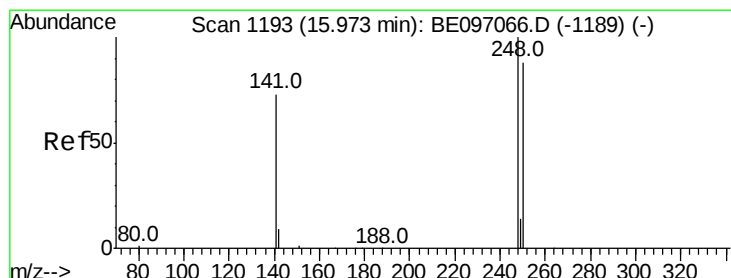
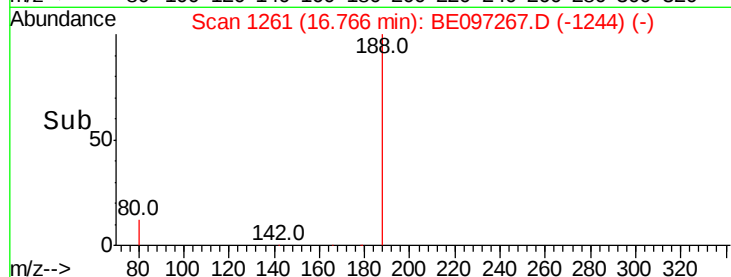
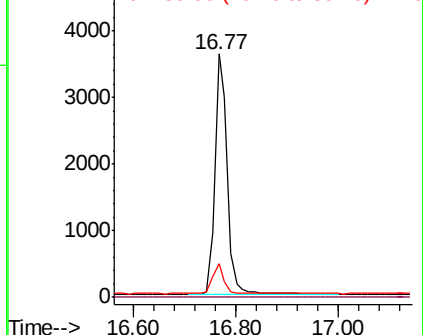
80 13.6 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.290 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

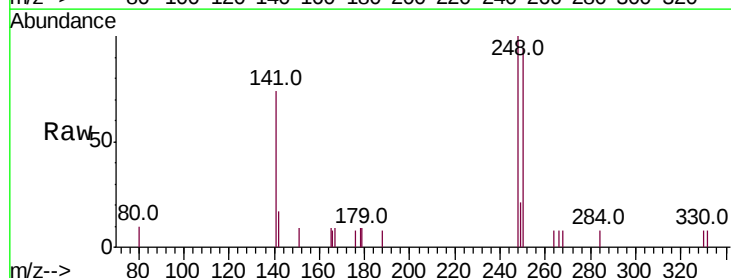
Tgt Ion:248 Resp: 850

Ion Ratio Lower Upper

248 100

250 94.4 62.7 94.1#

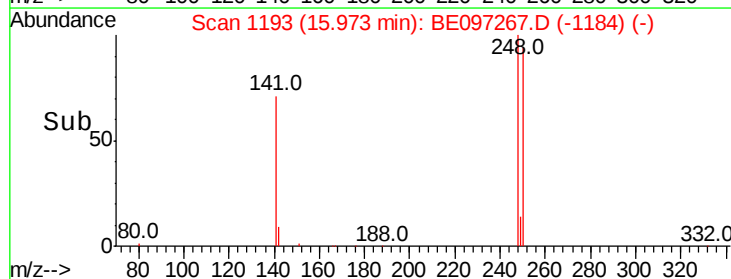
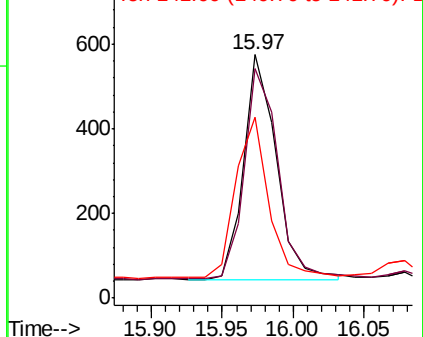
141 74.1 48.2 72.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.308 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

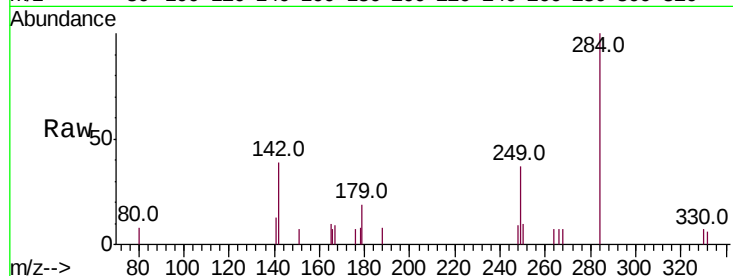
Tot Ion:284 Resp: 969

Ion Ratio Lower Upper

284 100

142 34.0 22.1 33.1#

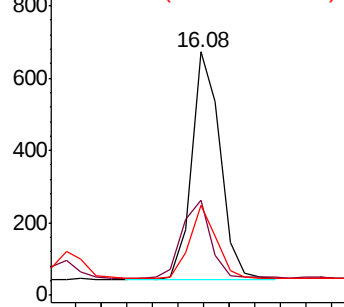
249 30.5 34.8 52.2#



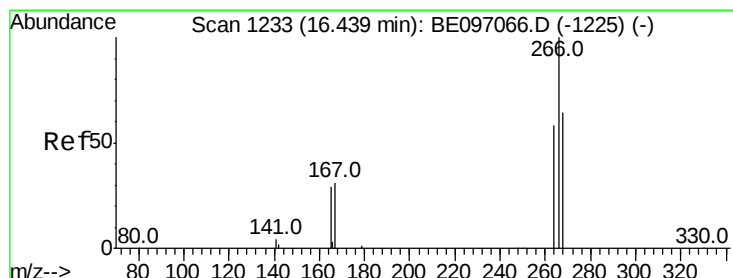
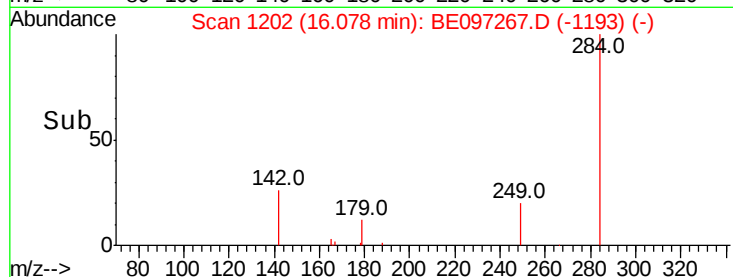
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.569 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

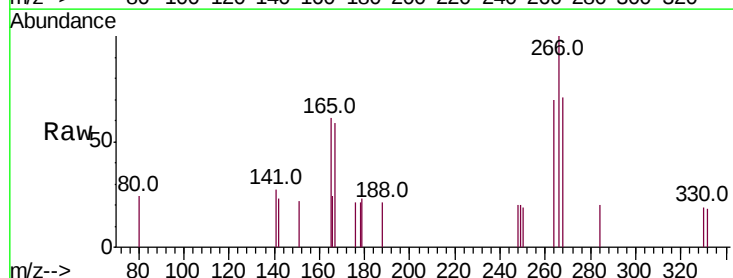
Tgt Ion:266 Resp: 443

Ion Ratio Lower Upper

266 100

264 70.0 72.5 108.7#

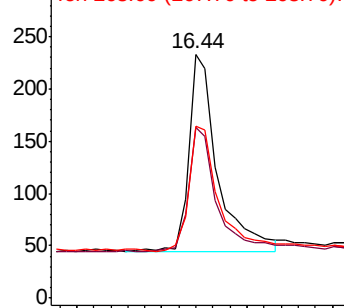
268 70.8 73.8 110.6#



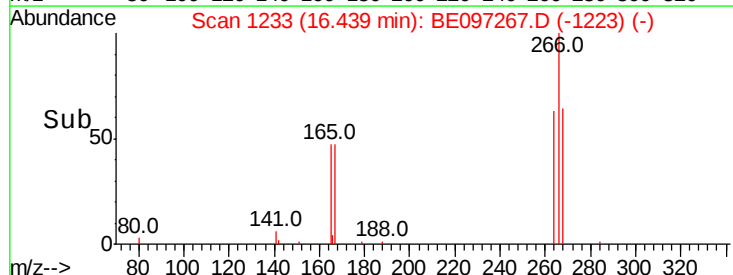
Abundance Ion 266.00 (265.70 to 266.70): E

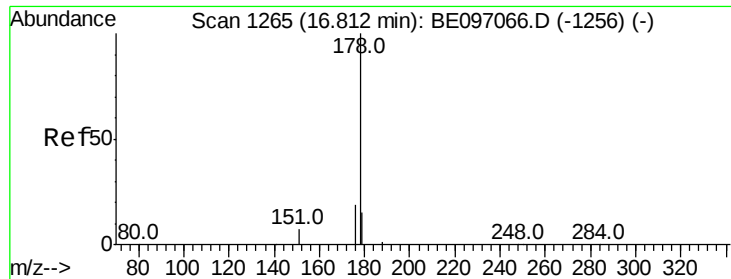
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.332 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

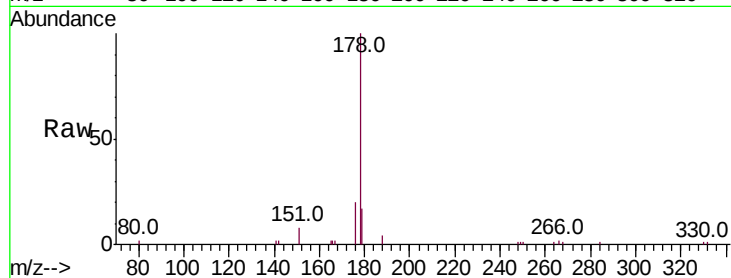
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 4766

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.3	11.8	17.6

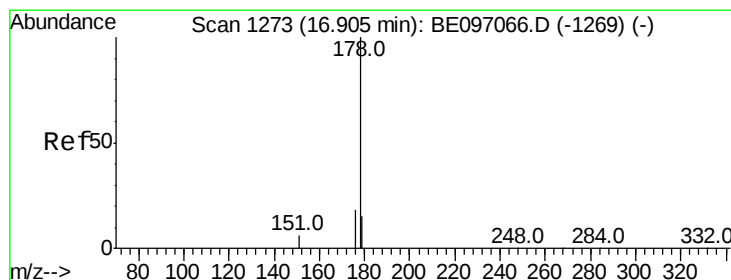
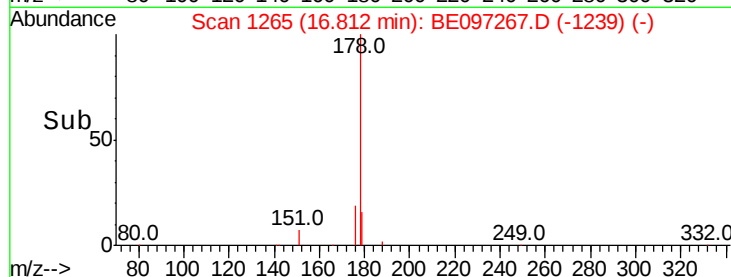
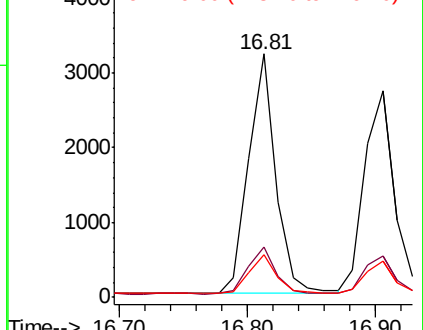


Abundance

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



#24

Anthracene

Concen: 0.345 ng

RT: 16.91 min Scan# 1273

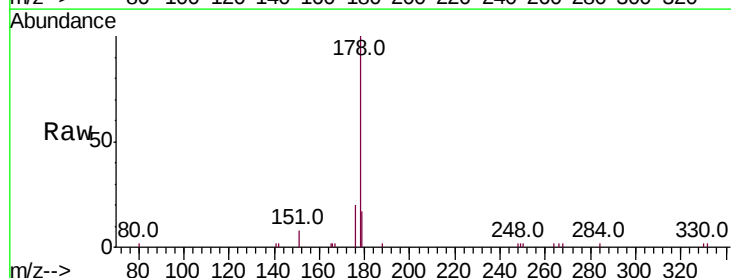
Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Tgt Ion:178 Resp: 4428

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	15.8	13.0	19.6

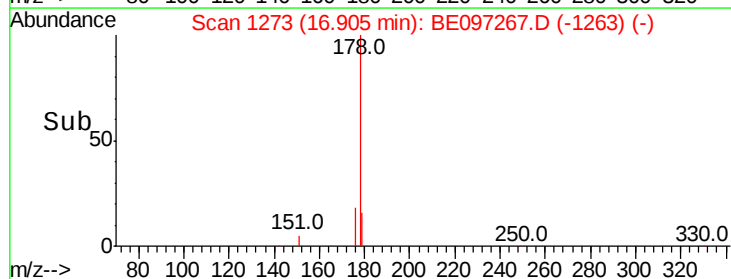
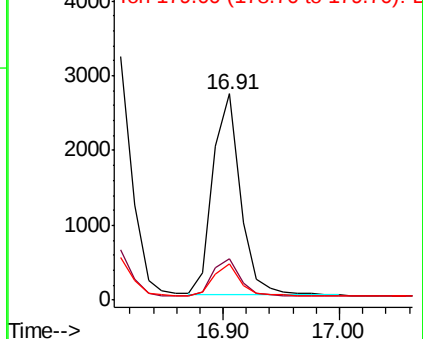


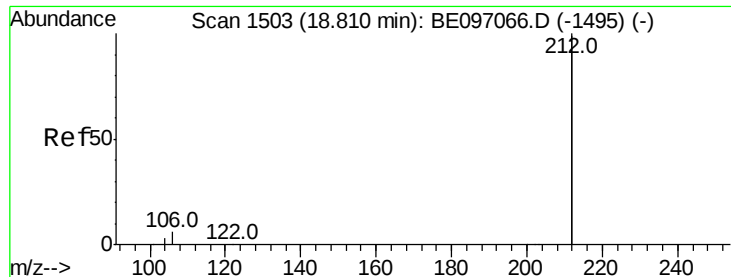
Abundance

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: 0.383 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

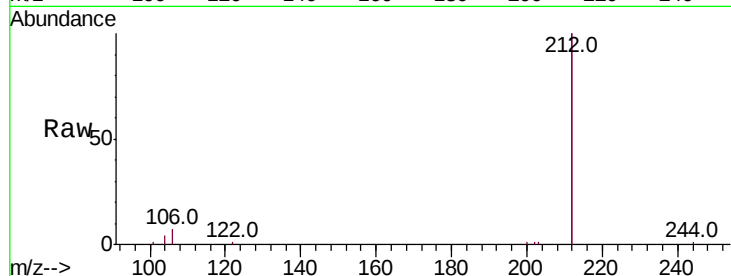
Tot Ion:212 Resp: 23117

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

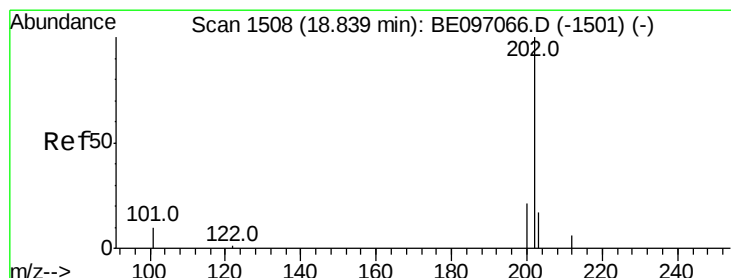
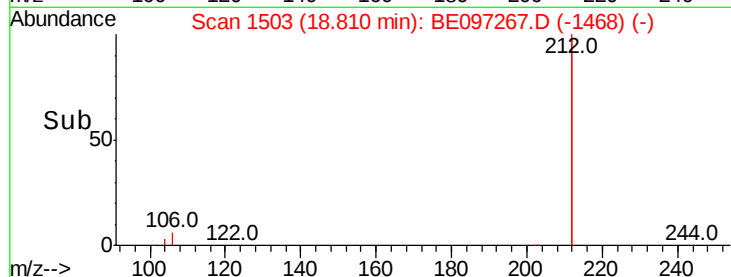
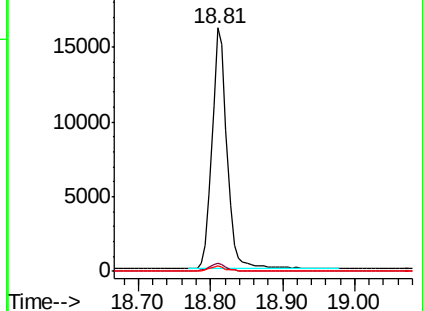
104 1.7 1.6 2.4



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: 0.386 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

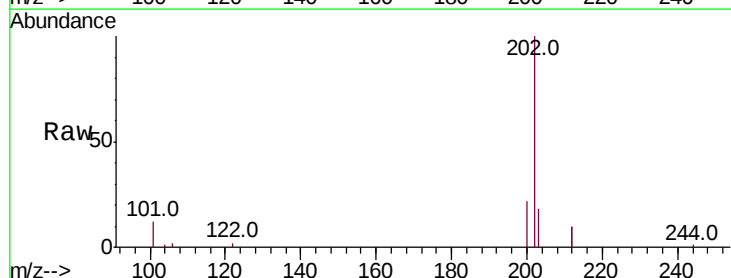
Tgt Ion:202 Resp: 6228

Ion Ratio Lower Upper

202 100

101 10.4 9.8 14.8

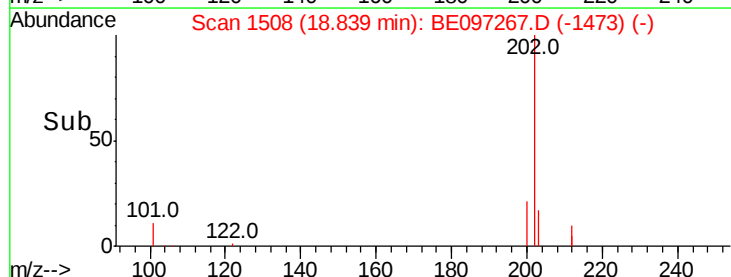
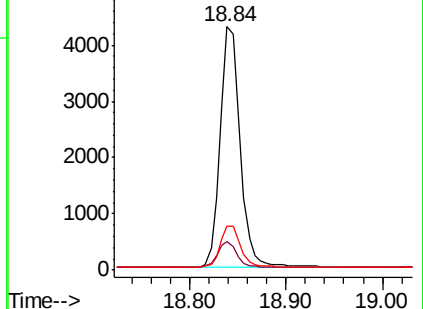
203 17.1 13.7 20.5

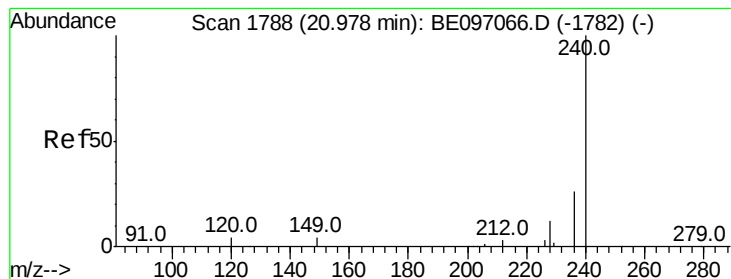


Abundance Ion 202.00 (201.70 to 202.70): E

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: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

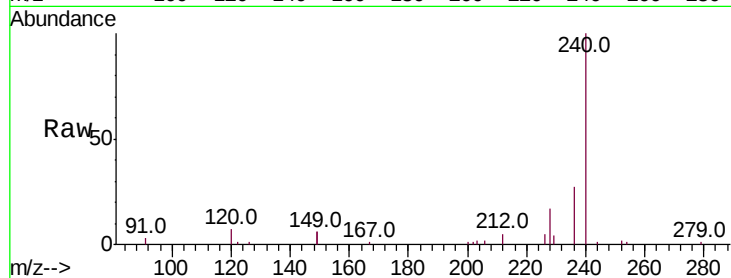
Tot Ion:240 Resp: 7391

Ion Ratio Lower Upper

240 100

120 6.7 5.5 8.3

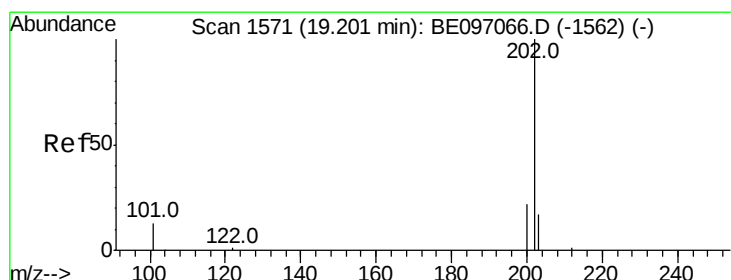
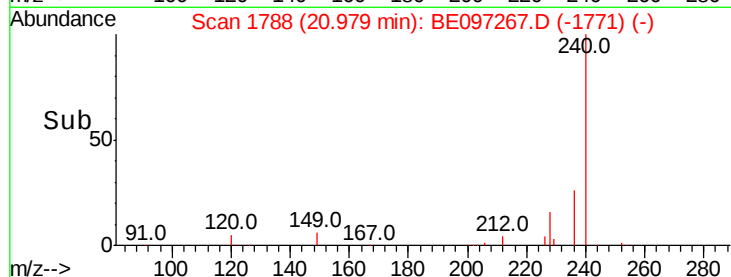
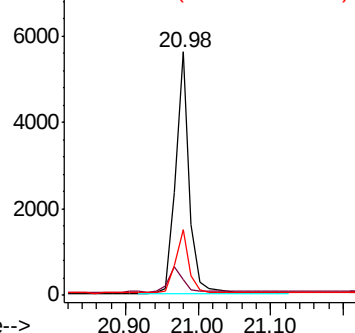
236 27.2 20.7 31.1



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: 0.308 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

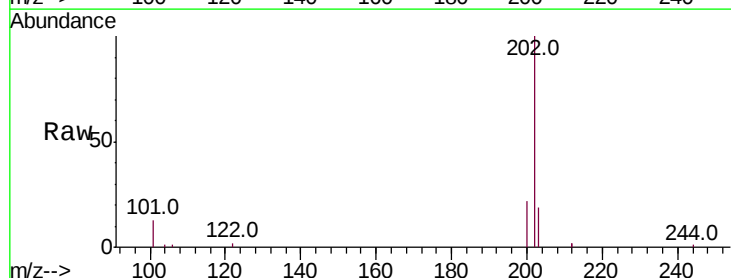
Tgt Ion:202 Resp: 6254

Ion Ratio Lower Upper

202 100

200 21.2 16.6 25.0

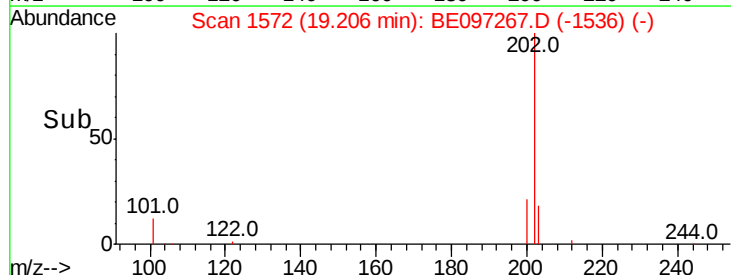
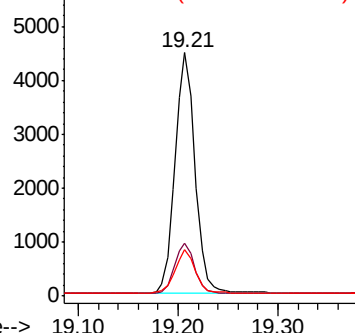
203 18.0 13.8 20.8

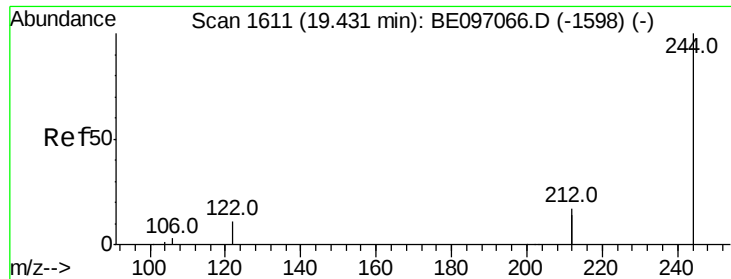


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

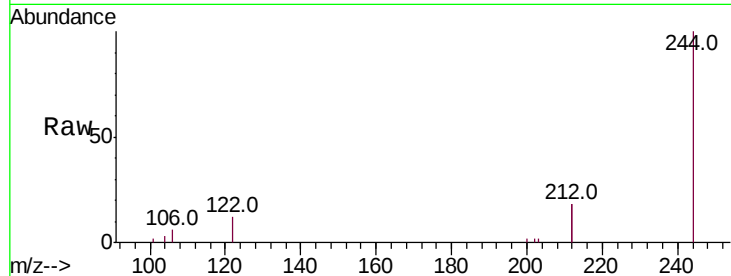




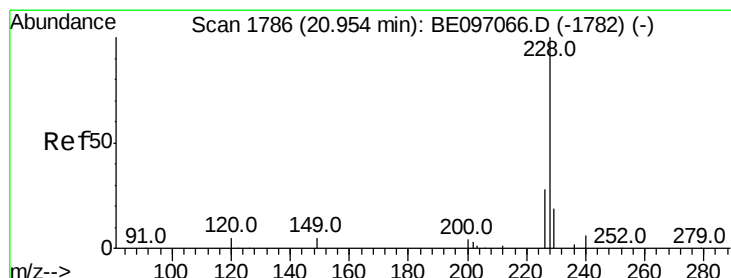
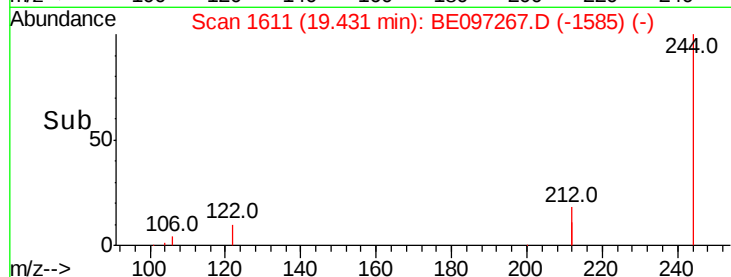
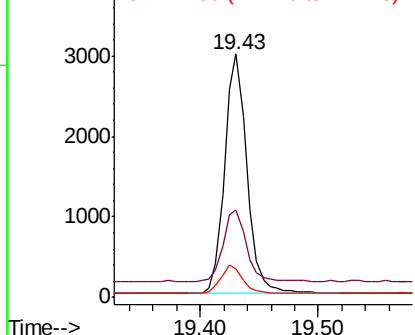
#29
 Terphenyl-d14
 Concen: 0.276 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 3916
 Ion Ratio Lower Upper
 244 100
 212 35.8 25.4 38.0
 122 11.5 8.1 12.1

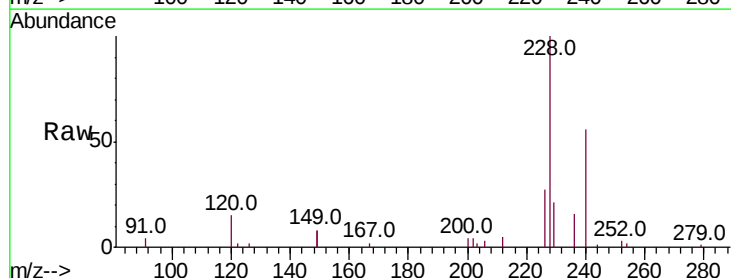


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

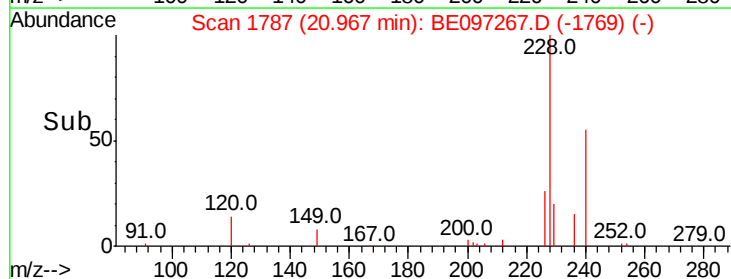
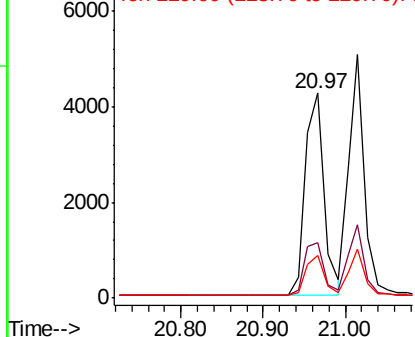


#30
 Benzo(a)anthracene
 Concen: 0.366 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BE097267.D
 Acq: 10 Aug 2018 18:13

Tgt Ion:228 Resp: 6730
 Ion Ratio Lower Upper
 228 100
 226 27.2 24.0 36.0
 229 20.7 16.0 24.0



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: 0.341 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

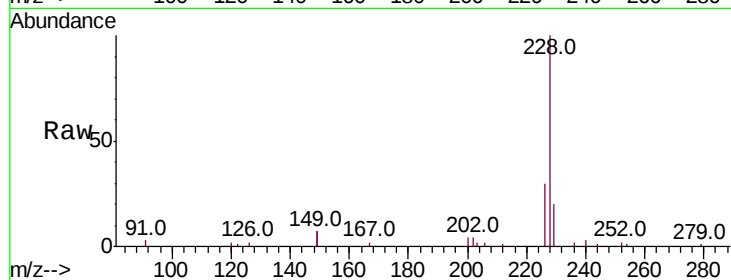
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 6726

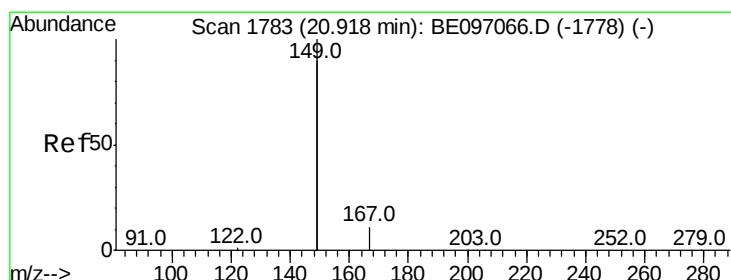
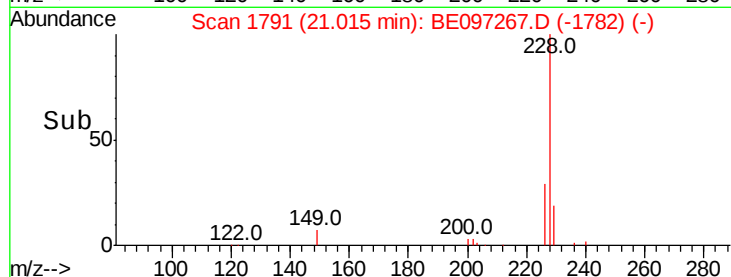
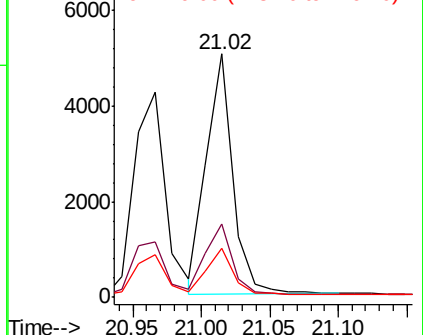
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	20.4	16.0	24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.632 ng

RT: 20.92 min Scan# 1783

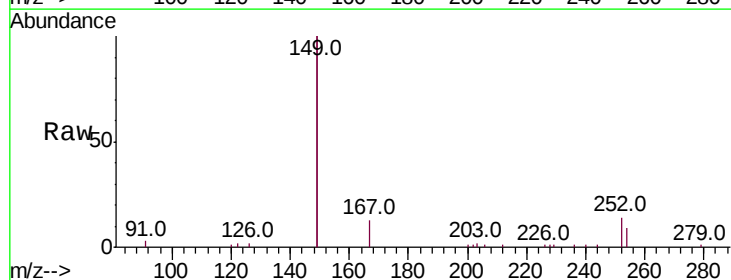
Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Tgt Ion:149 Resp: 12633

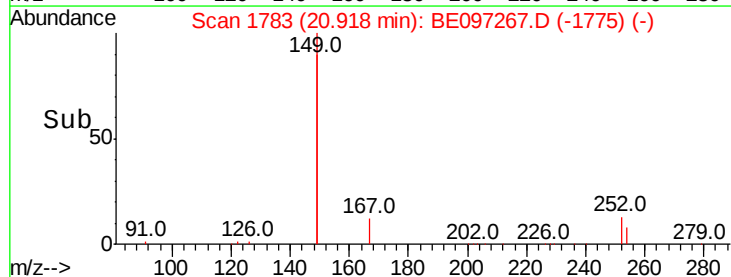
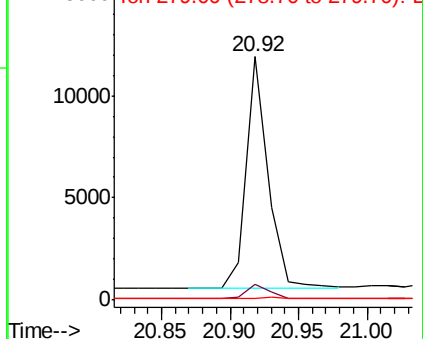
Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.0	0.7	1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.468 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.02 min

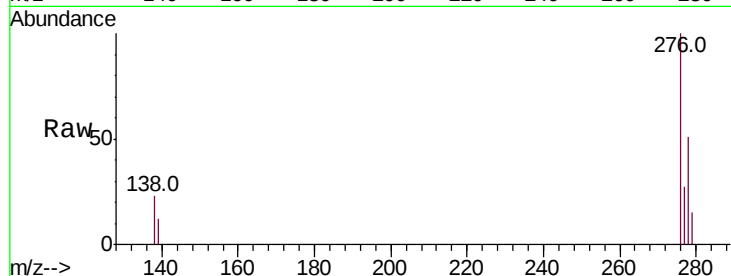
Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :



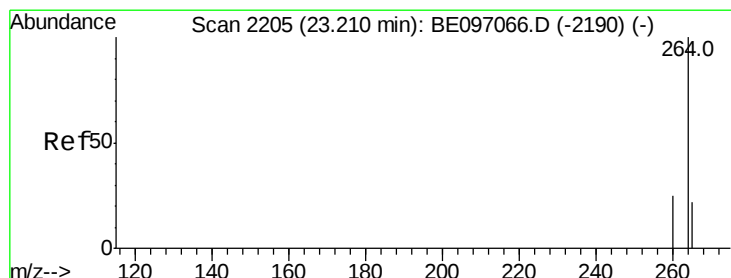
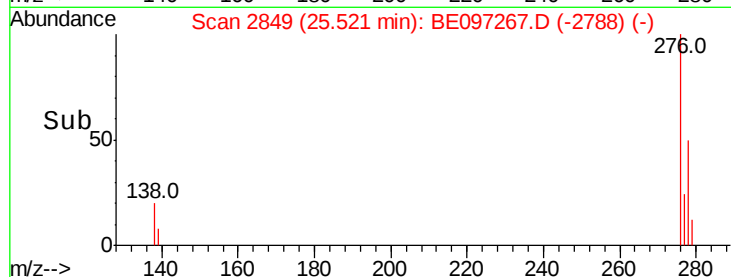
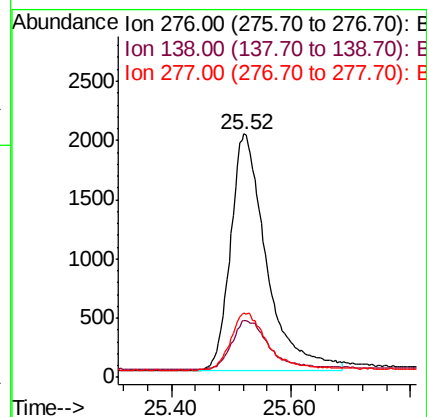
Tot Ion:276 Resp: 8351

Ion Ratio Lower Upper

276 100

138 21.3 22.5 33.7#

277 24.9 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

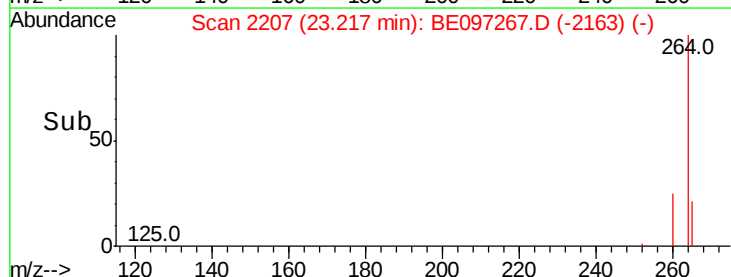
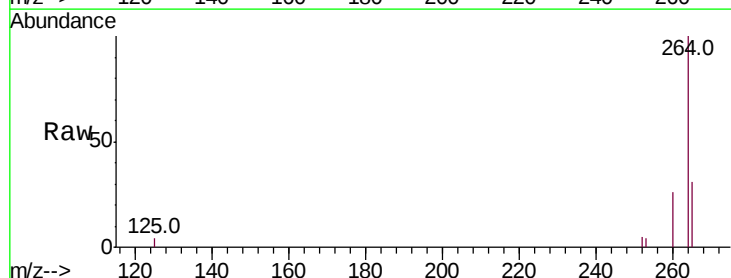
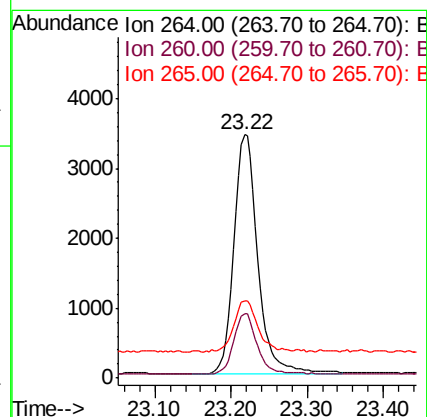
Tgt Ion:264 Resp: 7478

Ion Ratio Lower Upper

264 100

260 26.4 20.5 30.7

265 31.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.355 ng

RT: 22.54 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

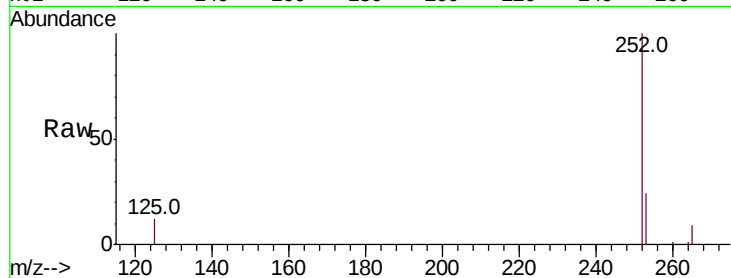
Tot Ion:252 Resp: 6736

Ion Ratio Lower Upper

252 100

253 24.2 20.0 30.0

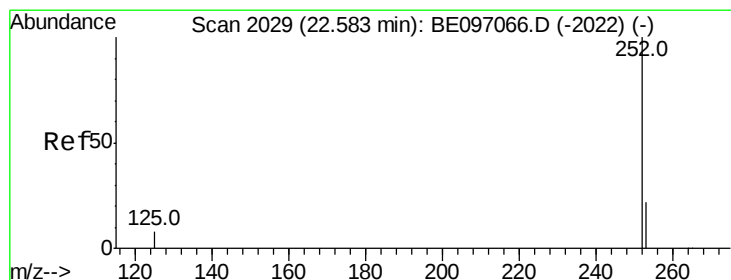
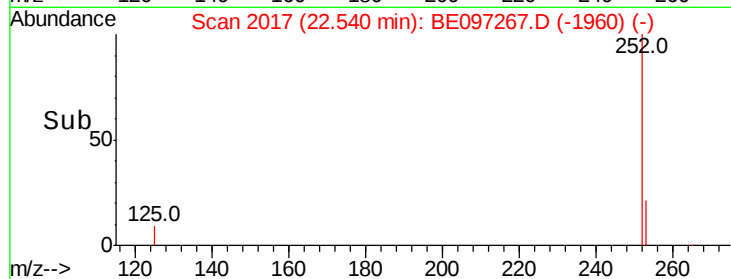
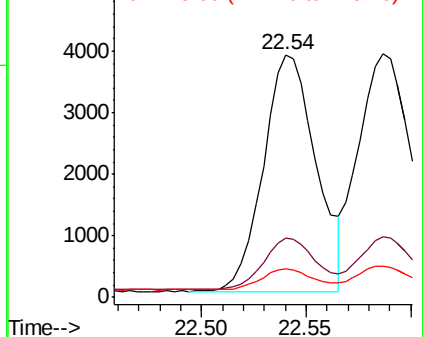
125 12.0 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.325 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

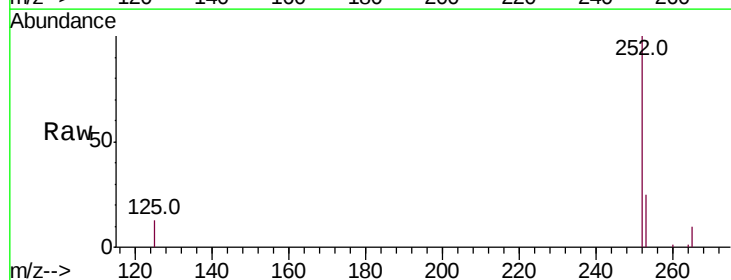
Tgt Ion:252 Resp: 7209

Ion Ratio Lower Upper

252 100

253 24.6 16.0 24.0#

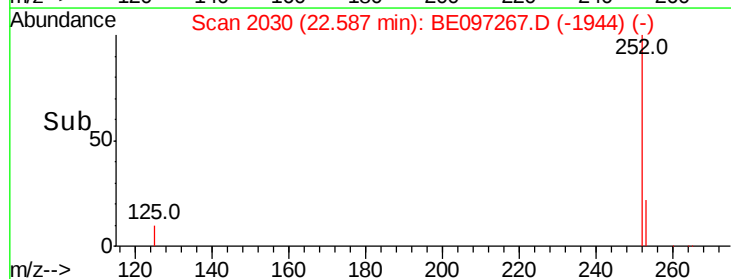
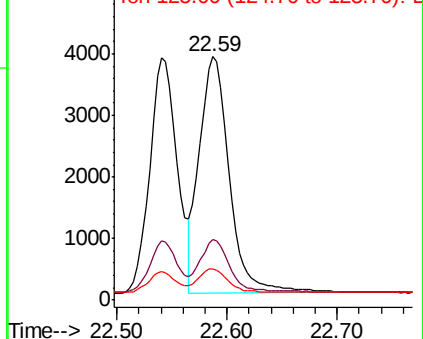
125 13.0 8.0 12.0#

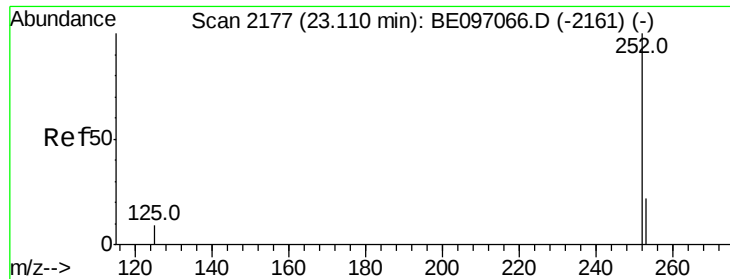


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.380 ng

RT: 23.12 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

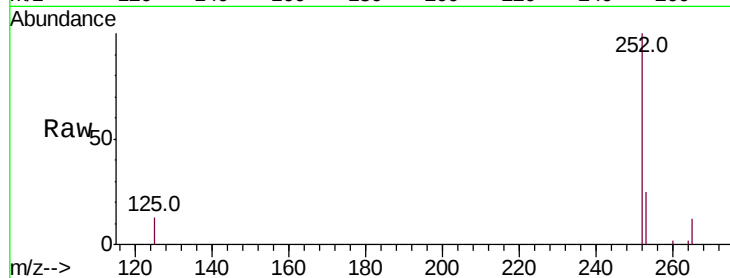
Tot Ion:252 Resp: 6780

Ion Ratio Lower Upper

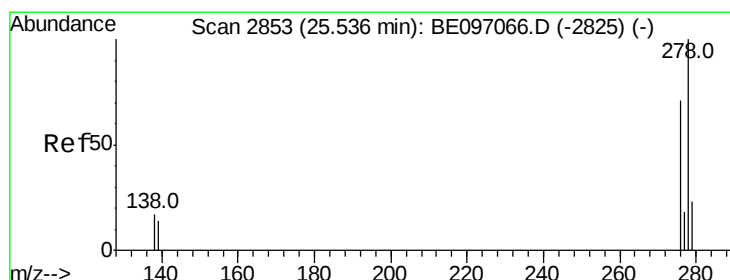
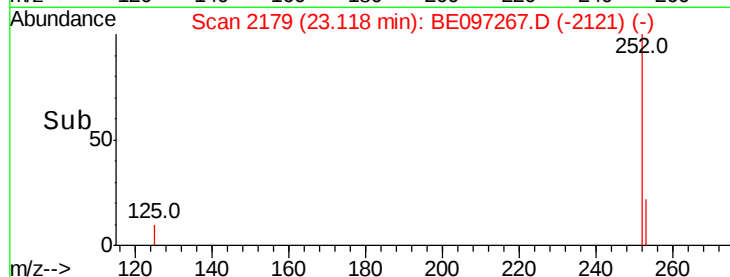
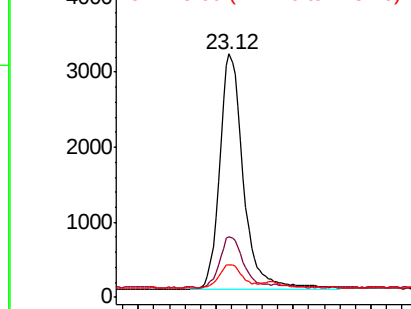
252 100

253 24.9 16.0 24.0#

125 13.2 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: 0.392 ng

RT: 25.55 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

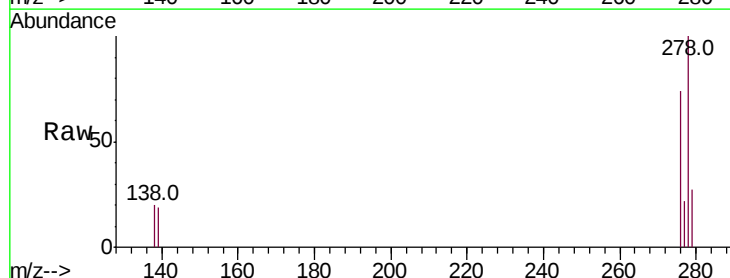
Tgt Ion:278 Resp: 6993

Ion Ratio Lower Upper

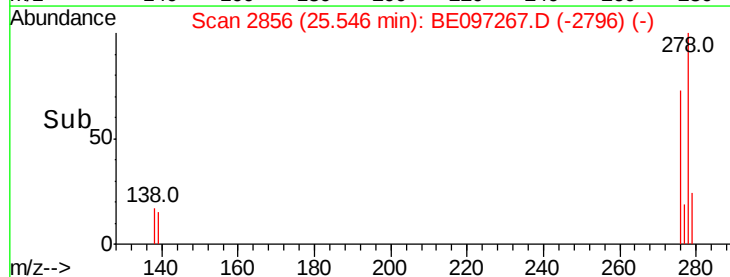
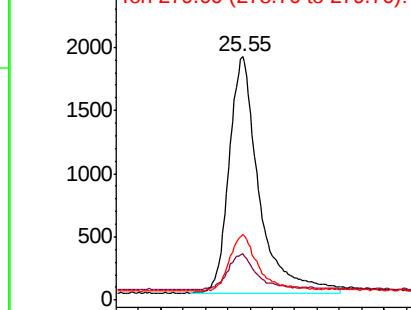
278 100

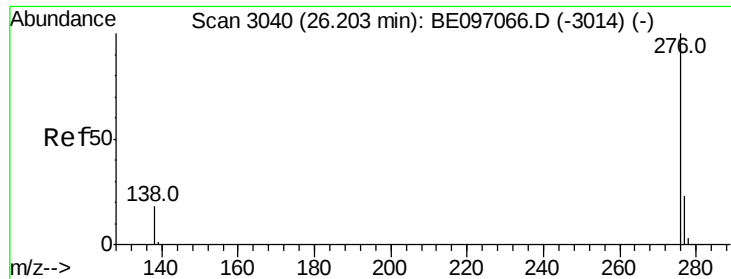
139 19.1 16.0 24.0

279 27.0 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(a,h,i)perylene

Concen: 0.367 ng

RT: 26.22 min Scan# 3044

Delta R.T. 0.01 min

Lab File: BE097267.D

Acq: 10 Aug 2018 18:13

Instrument :

BNA_E

ClientSampleId :

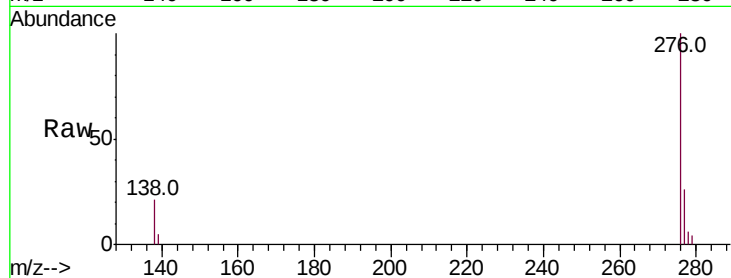
Tot Ion:276 Resp: 6931

Ion Ratio Lower Upper

276 100

277 26.0 16.0 24.0#

138 21.4 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

