

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097539.D
 Acq On : 19 Sep 2018 14:19
 Operator : SJ/JU
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 19 15:49:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 15:47:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	766	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	3562	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	1992	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5577	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8721	0.40	ng	0.00
34) Perylene-d12	23.21	264	8703	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	1821	0.70	ng	0.00
5) Phenol-d6	6.59	99	2289	0.70	ng	0.00
8) Nitrobenzene-d5	8.51	82	2167	0.76	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	3925	0.77	ng	-0.01
14) 2,4,6-Tribromophenol	15.52	330	636	0.60	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	5724	0.82	ng	-0.01
25) Fluoranthene-d10	18.80	212	56791	0.85	ng	0.00
29) Terphenyl-d14	19.41	244	12669	0.76	ng	0.00

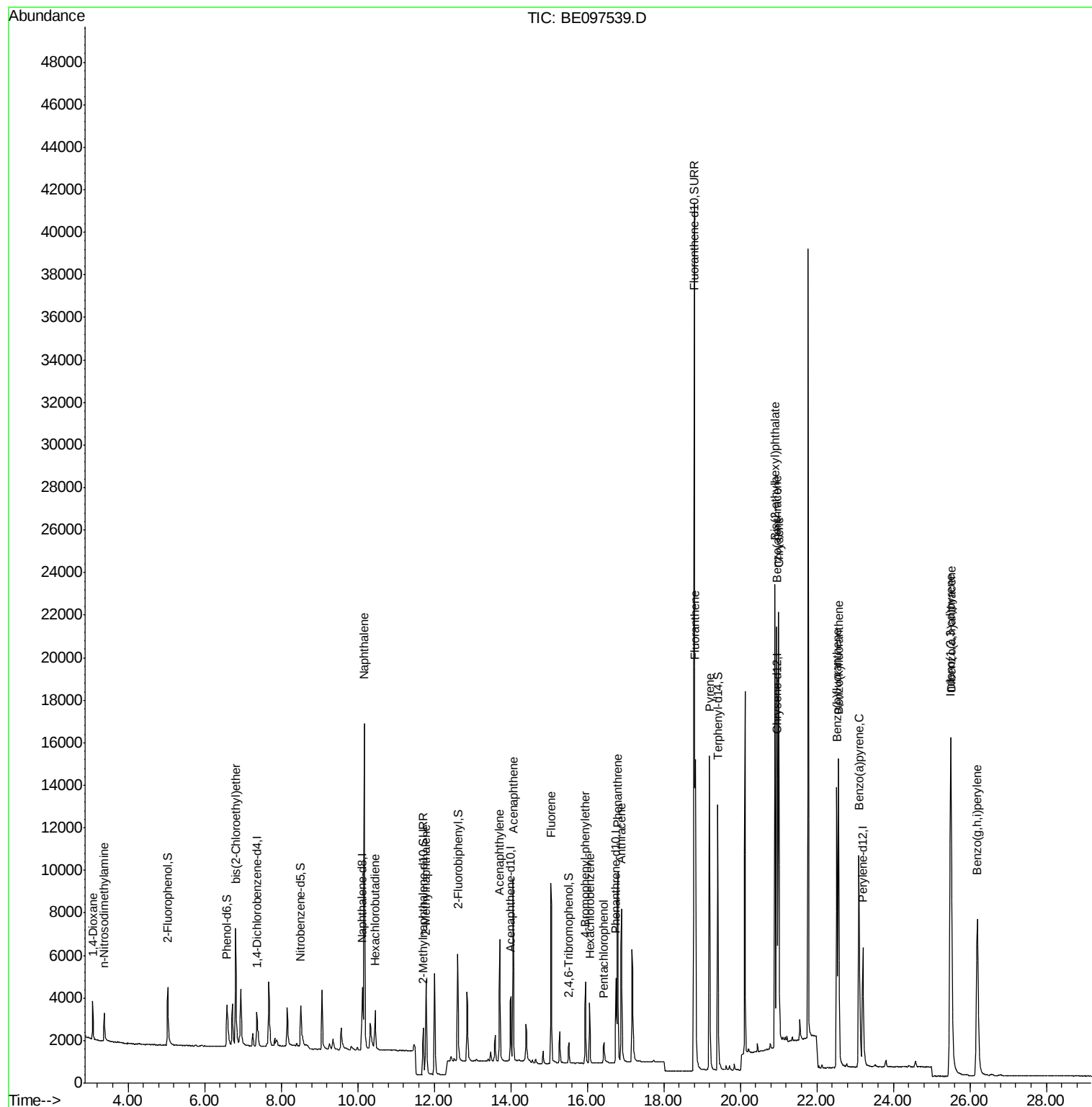
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	994	0.750	ng	# 86
3) n-Nitrosodimethylamine	3.37	42	880	0.795	ng	# 93
6) bis(2-Chloroethyl)ether	6.82	93	2173	0.826	ng	85
9) Naphthalene	10.17	128	25801	0.798	ng	100
10) Hexachlorobutadiene	10.46	225	1164	0.758	ng	98
12) 2-Methylnaphthalene	11.79	142	4025	0.778	ng	99
16) Acenaphthylene	13.72	152	6345	0.732	ng	99
17) Acenaphthene	14.06	154	4287	0.802	ng	97
18) Fluorene	15.05	166	5618	0.824	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	2031	0.754	ng	# 79
21) Hexachlorobenzene	16.07	284	2261	0.792	ng	# 84
22) Pentachlorophenol	16.44	266	709	1.431	ng	# 76
23) Phenanthrene	16.80	178	10640	0.811	ng	98
24) Anthracene	16.89	178	9314	0.769	ng	96
26) Fluoranthene	18.83	202	14867	0.869	ng	99
28) Pyrene	19.19	202	15704	0.700	ng	100
30) Benzo(a)anthracene	20.95	228	17473	0.762	ng	96
31) Chrysene	21.00	228	18820	0.800	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	25521	0.524	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	22742	0.811	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	17914	0.805	ng	# 88
36) Benzo(k)fluoranthene	22.57	252	20235	0.834	ng	96
37) Benzo(a)pyrene	23.10	252	17334	0.784	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	19068	0.827	ng	# 94
39) Benzo(g,h,i)perylene	26.20	276	18627	0.791	ng	# 88

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

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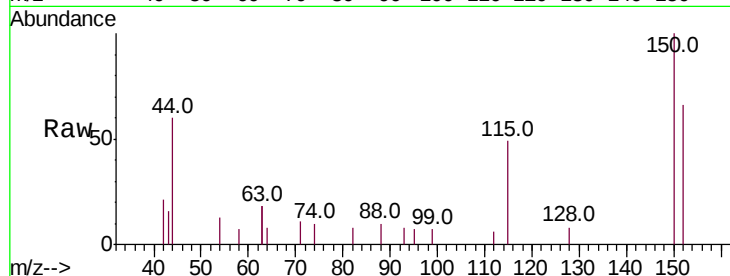


#1

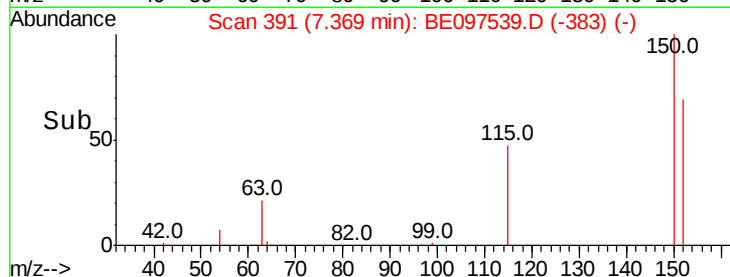
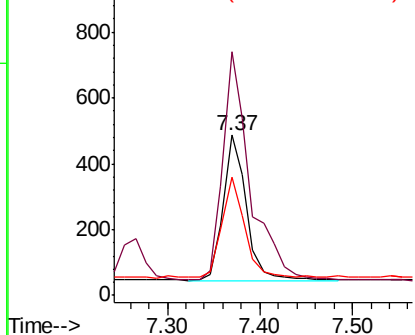
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097539.D
Acq: 19 Sep 2018 14:19

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 766
Ion Ratio Lower Upper
152 100
150 152.0 117.2 175.8
115 73.9 57.0 85.6



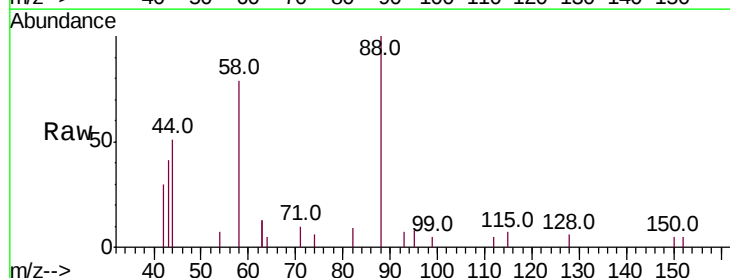
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



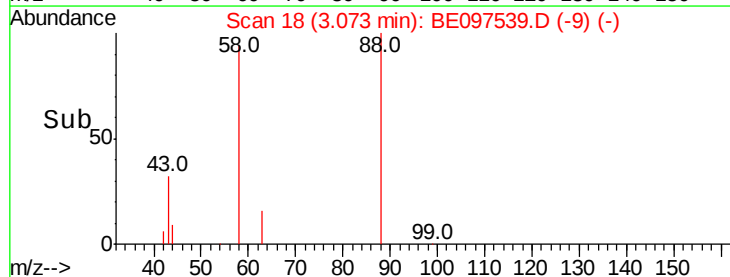
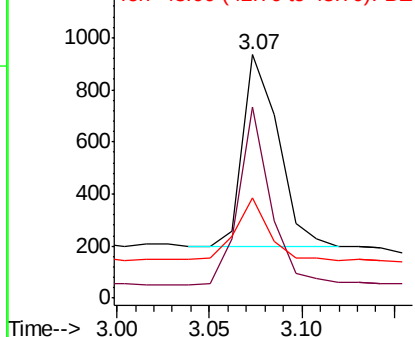
#2

1,4-Dioxane
Concen: 0.750 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.00 min
Lab File: BE097539.D
Acq: 19 Sep 2018 14:19

Tgt Ion: 88 Resp: 994
Ion Ratio Lower Upper
88 100
58 82.5 63.2 94.8
43 30.3 41.2 61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



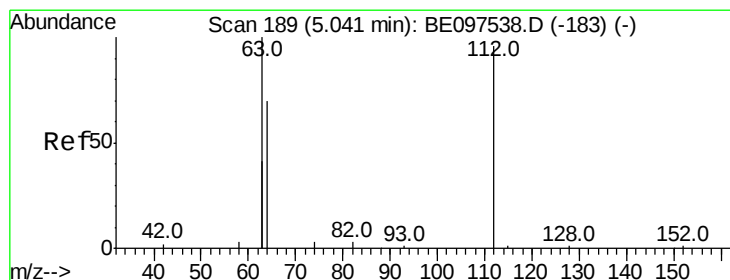
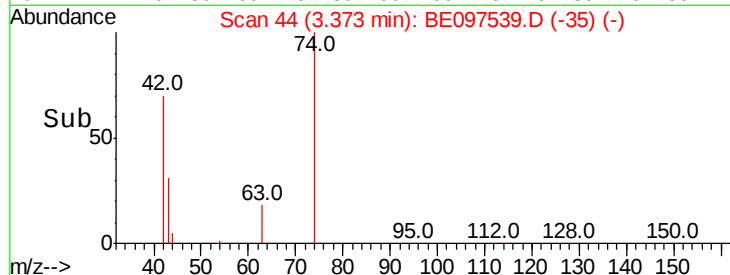
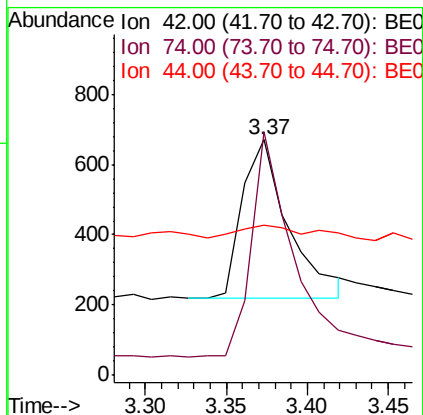
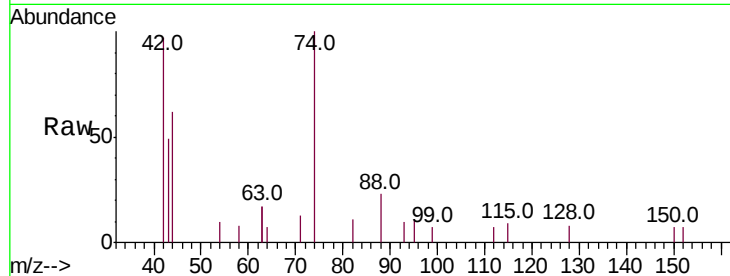


#3

n-Nitrosodimethylamine
 Concen: 0.795 ng
 RT: 3.37 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: BE097539.D
 Acq: 19 Sep 2018 14:19

Instrument :
 BNA_E
 ClientSampled :

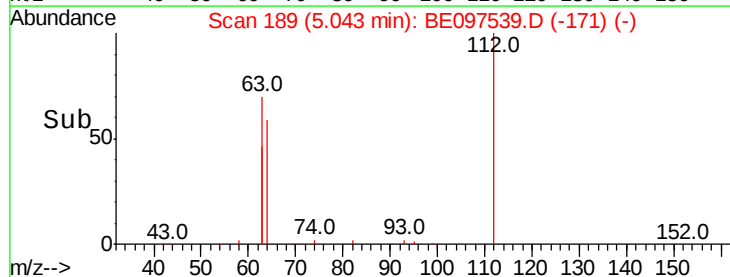
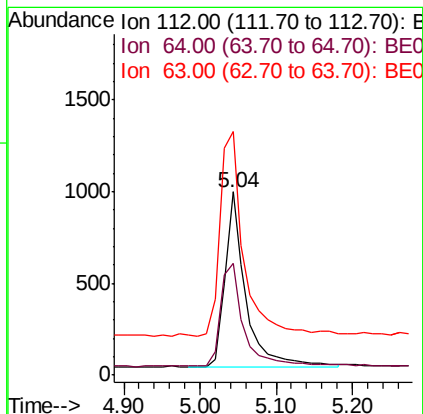
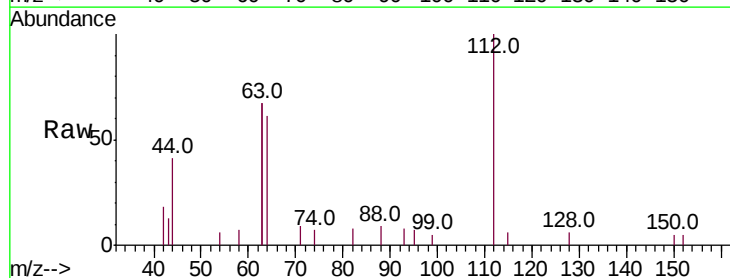
Tot Ion: 42 Resp: 880
 Ion Ratio Lower Upper
 42 100
 74 127.6 96.0 144.0
 44 11.7 12.0 18.0#



#4

2-Fluorophenol
 Concen: 0.702 ng
 RT: 5.04 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: BE097539.D
 Acq: 19 Sep 2018 14:19

Tgt Ion: 112 Resp: 1821
 Ion Ratio Lower Upper
 112 100
 64 66.1 60.1 90.1
 63 137.1 116.8 175.2





#5

Phenol-d6

Concen: 0.695 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampled :

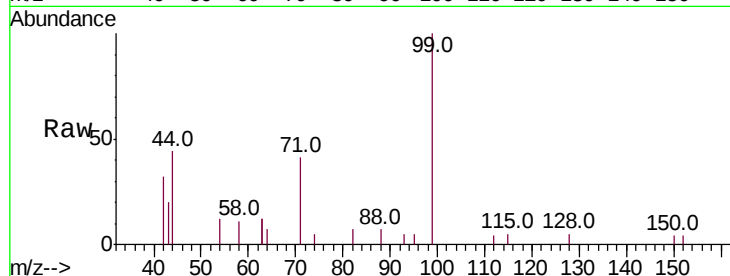
Tot Ion: 99 Resp: 2289

Ion Ratio Lower Upper

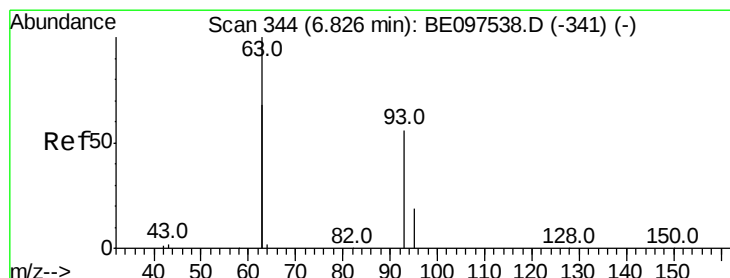
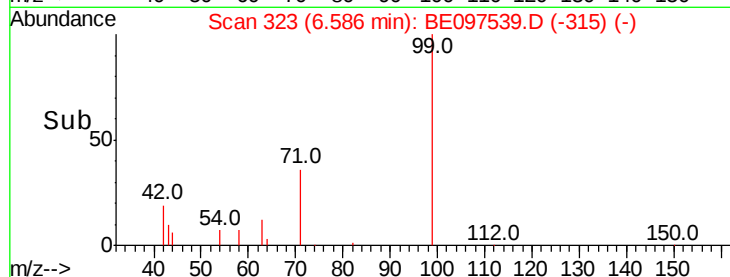
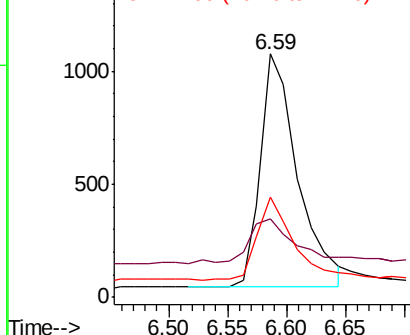
99 100

42 23.1 20.2 30.2

71 33.6 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: 0.826 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

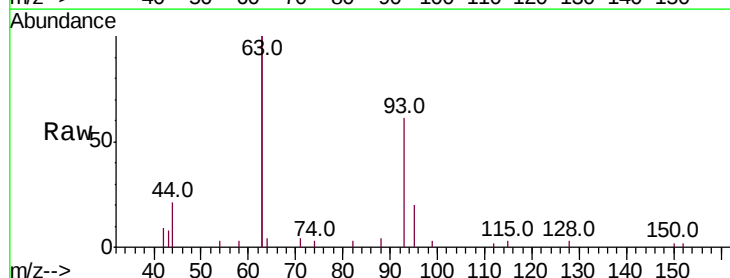
Tgt Ion: 93 Resp: 2173

Ion Ratio Lower Upper

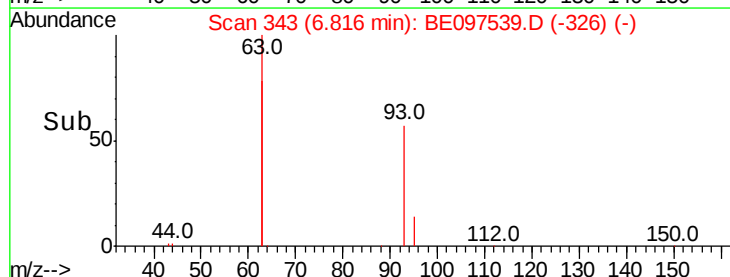
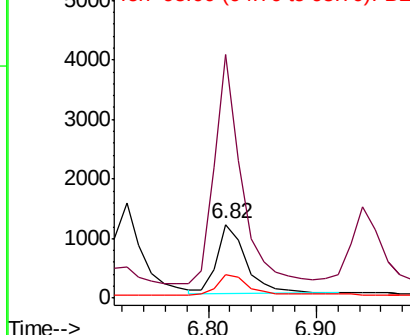
93 100

63 310.4 275.3 412.9

95 32.7 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: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3562

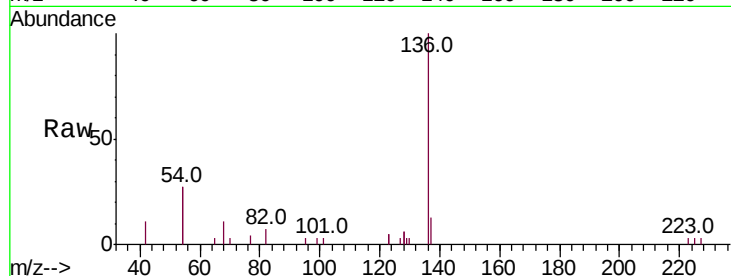
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 53.3 29.1 43.7#

68 10.7 6.2 9.2#



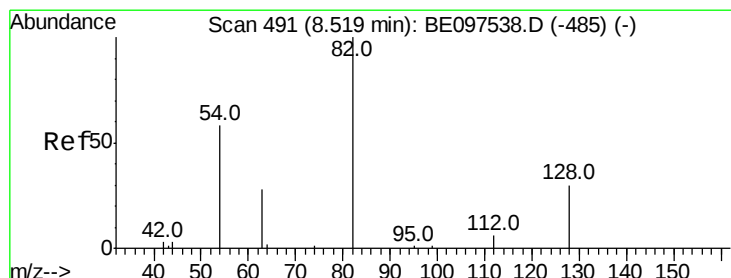
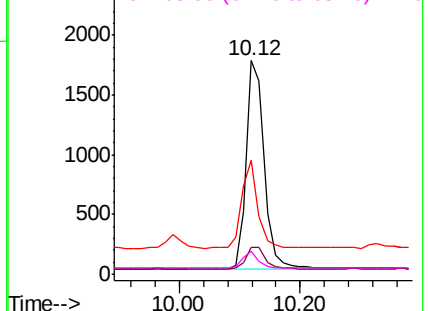
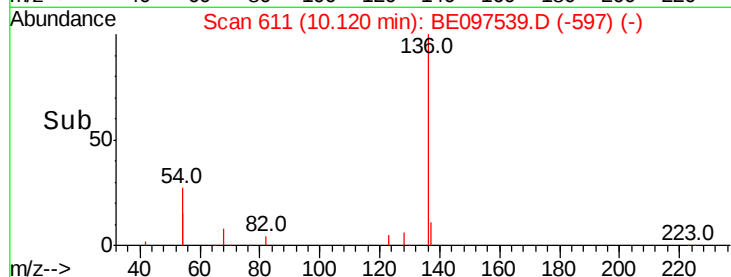
Abundance

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: 0.756 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

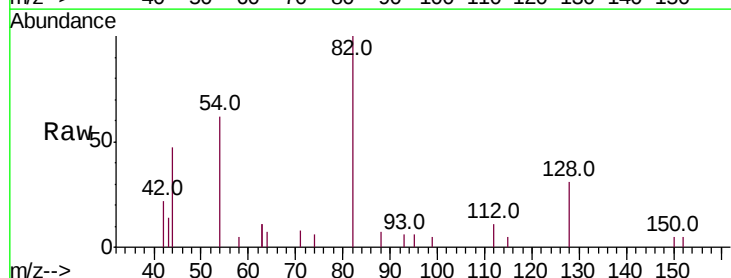
Tgt Ion: 82 Resp: 2167

Ion Ratio Lower Upper

82 100

128 30.8 24.0 36.0

54 61.9 40.0 60.0#

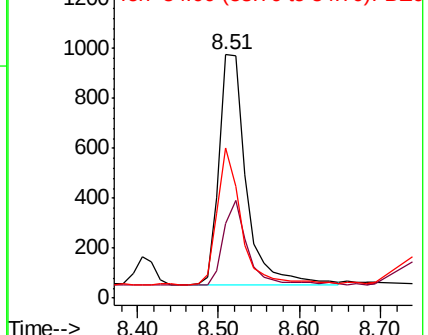
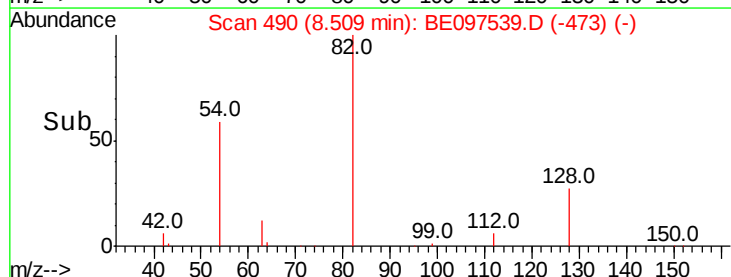


Abundance

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: 0.798 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

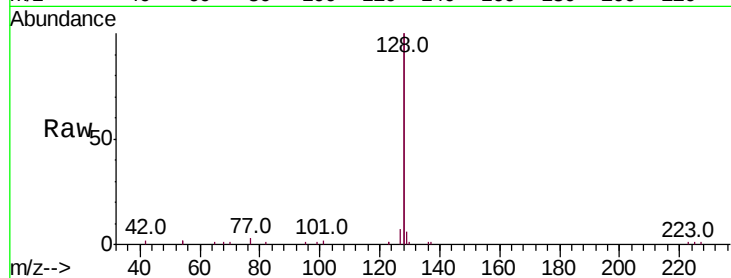
Tot Ion:128 Resp: 25801

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

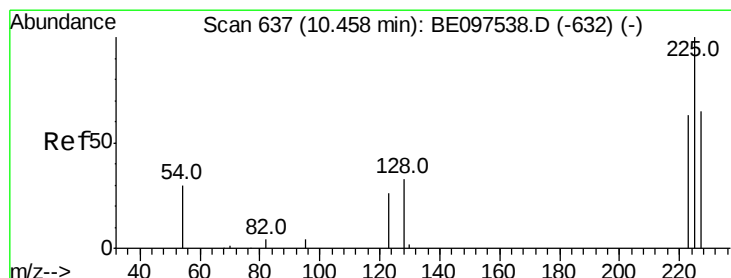
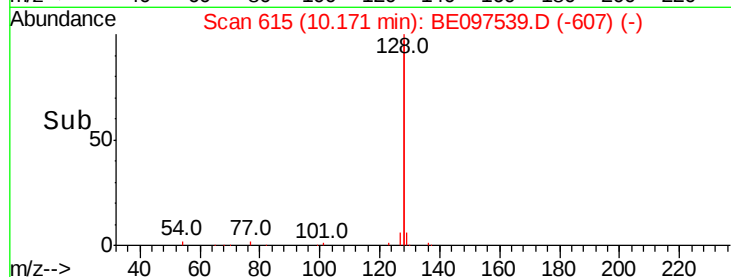
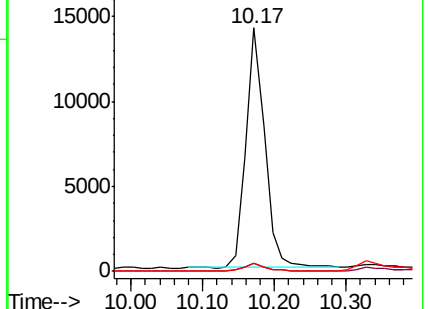
127 3.5 2.8 4.2



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: 0.758 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

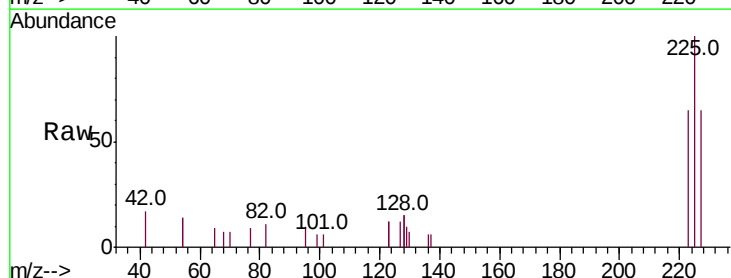
Tgt Ion:225 Resp: 1164

Ion Ratio Lower Upper

225 100

223 63.3 53.0 79.6

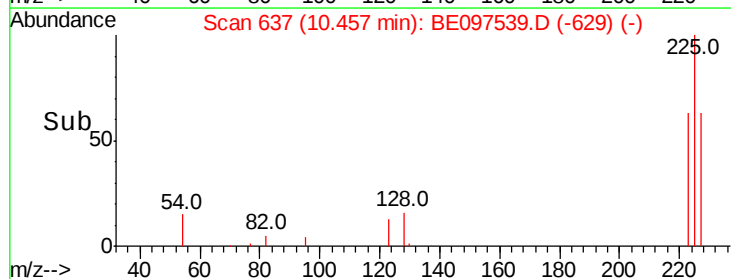
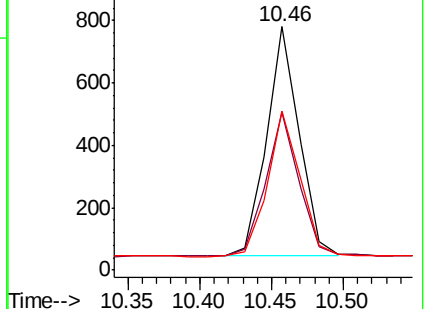
227 63.7 51.4 77.2



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

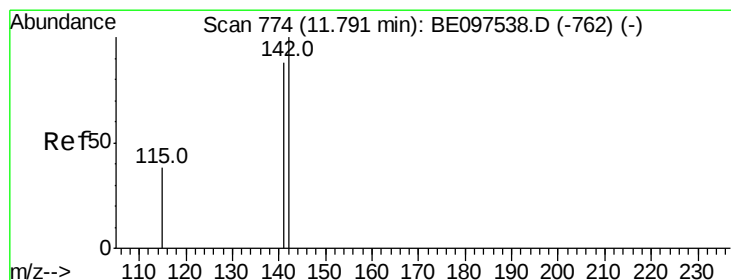
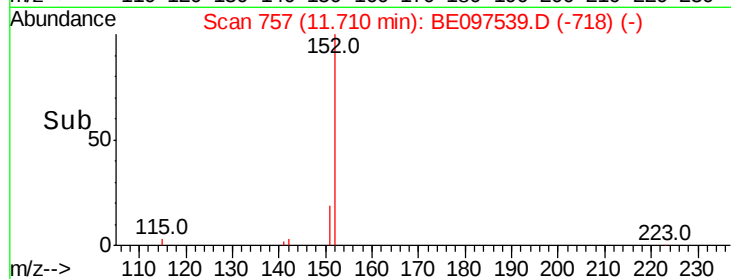
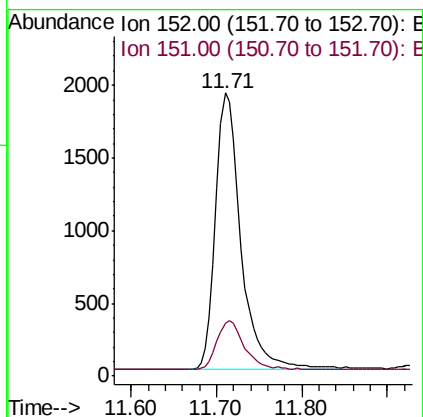
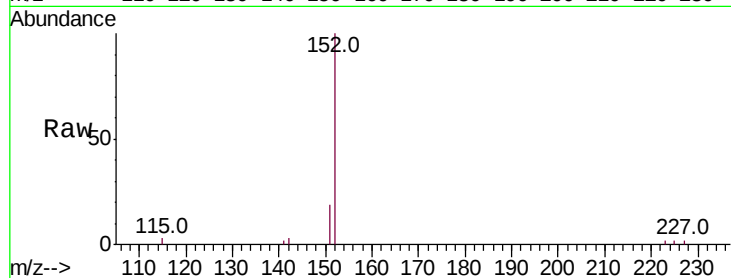




#11
2-Methylnaphthalene-d10
Concen: 0.771 ng
RT: 11.71 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE097539.D
Acq: 19 Sep 2018 14:19

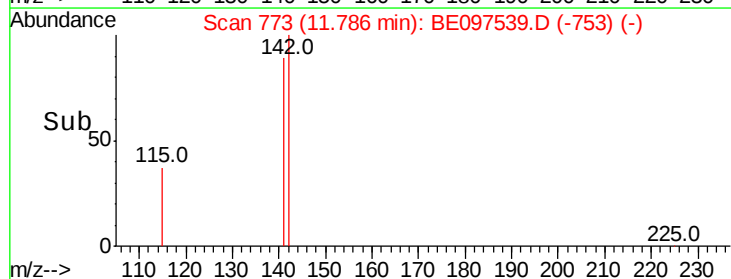
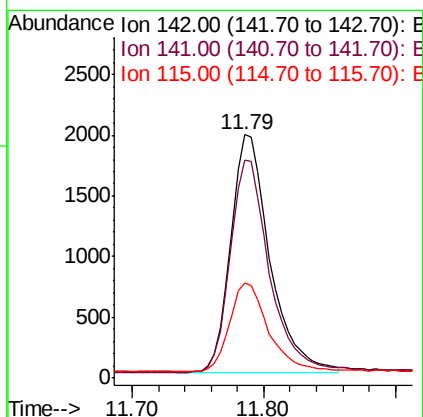
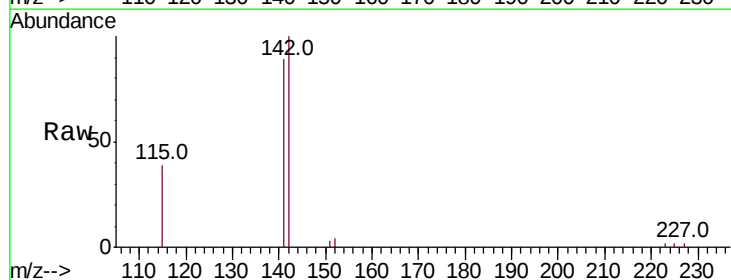
Instrument :
BNA_E
ClientSampleId :

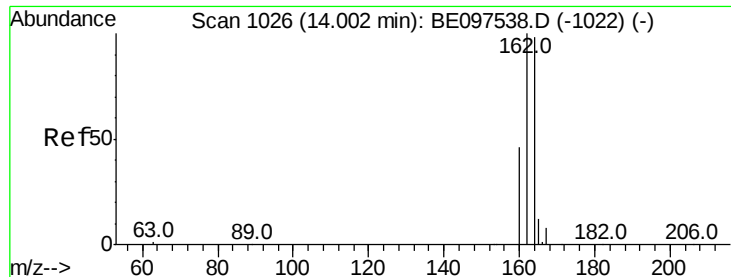
Tot Ion:152 Resp: 3925
Ion Ratio Lower Upper
152 100
151 18.8 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.778 ng
RT: 11.79 min Scan# 773
Delta R.T. -0.01 min
Lab File: BE097539.D
Acq: 19 Sep 2018 14:19

Tgt Ion:142 Resp: 4025
Ion Ratio Lower Upper
142 100
141 89.4 70.4 105.6
115 38.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

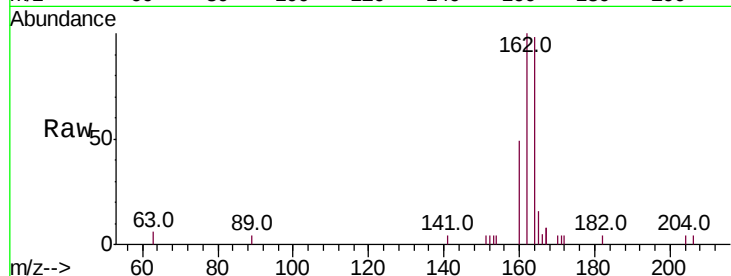
Tot Ion:164 Resp: 1992

Ion Ratio Lower Upper

164 100

162 102.2 83.1 124.7

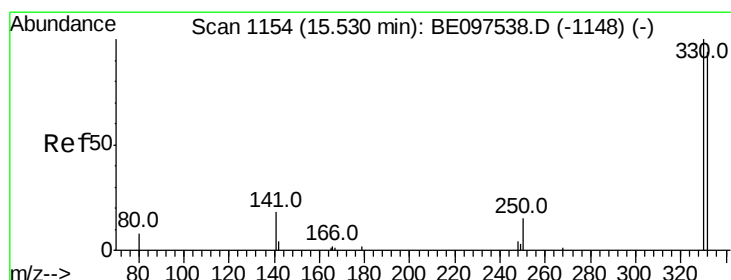
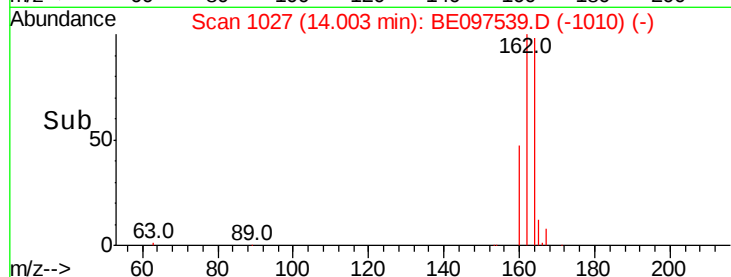
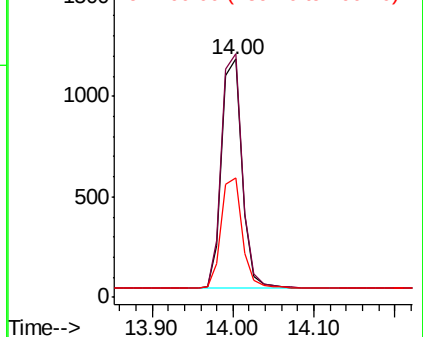
160 50.0 37.1 55.7



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: 0.605 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

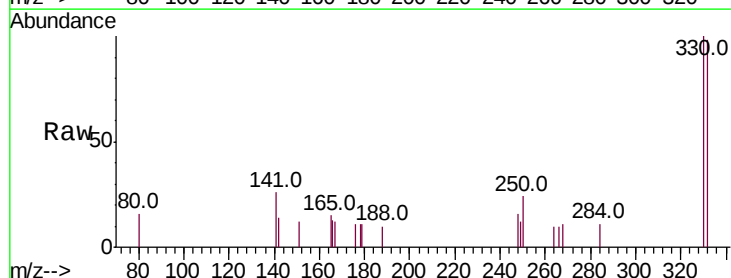
Tgt Ion:330 Resp: 636

Ion Ratio Lower Upper

330 100

332 99.7 152.7 229.1#

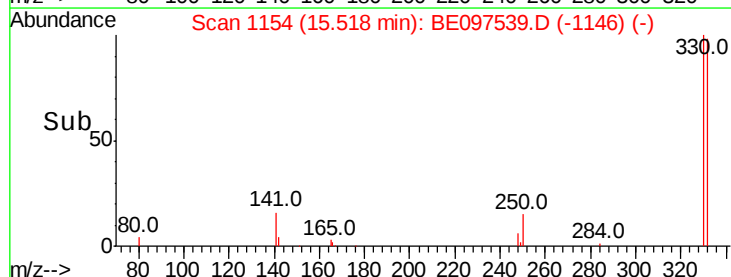
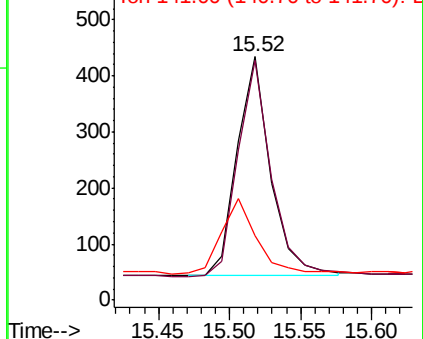
141 36.8 33.7 50.5

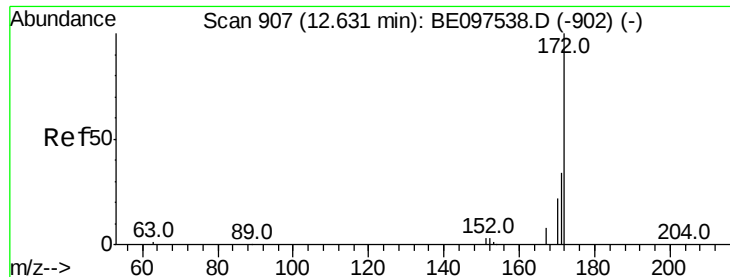


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.823 ng

RT: 12.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

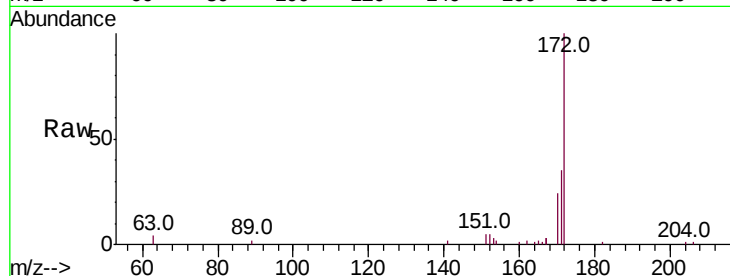
Tot Ion:172 Resp: 5724

Ion Ratio Lower Upper

172 100

171 34.6 29.9 44.9

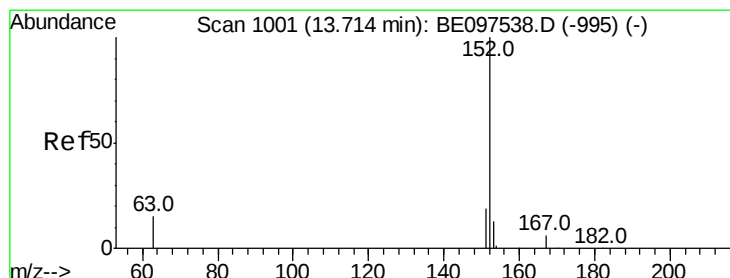
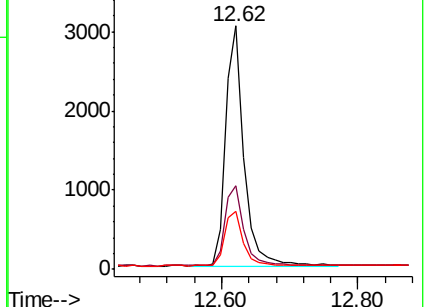
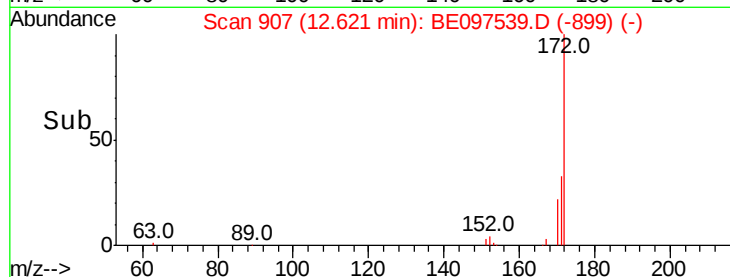
170 23.7 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.732 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

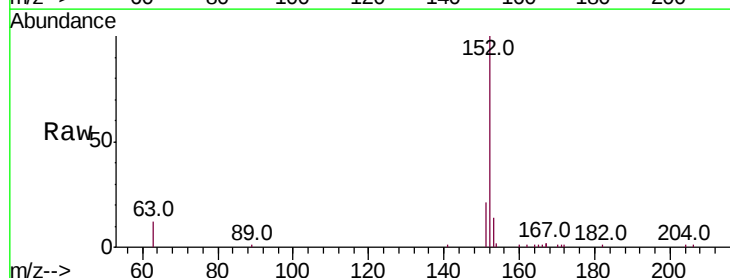
Tgt Ion:152 Resp: 6345

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

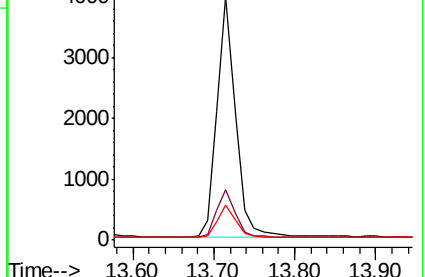
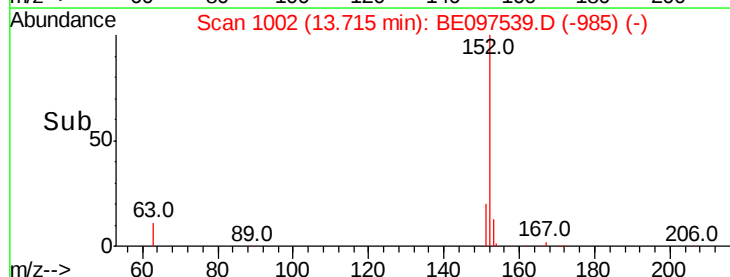
153 13.2 10.5 15.7



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





#17

Acenaphthene

Concen: 0.802 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

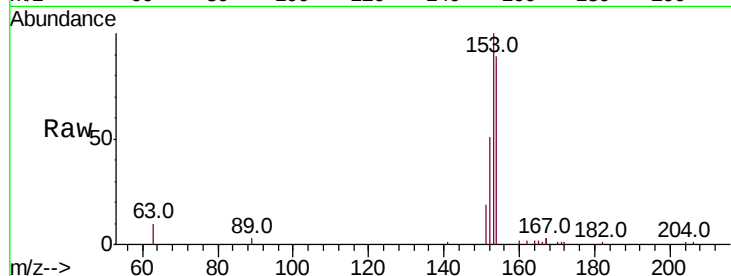
Tot Ion:154 Resp: 4287

Ion Ratio Lower Upper

154 100

153 112.9 89.2 133.8

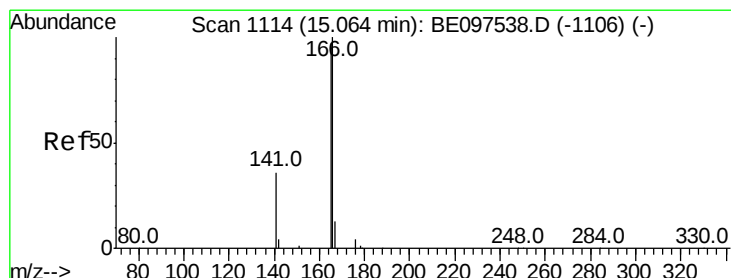
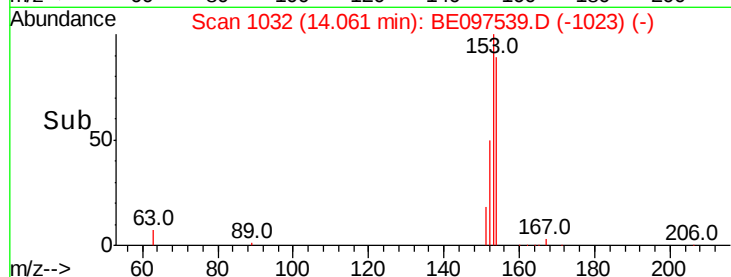
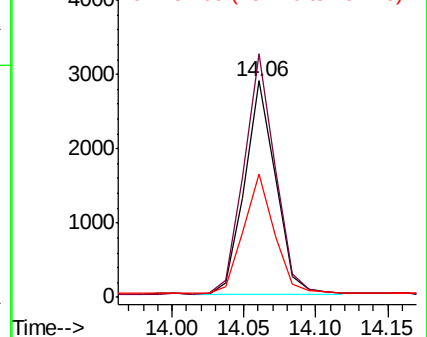
152 56.2 42.0 63.0



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: 0.824 ng

RT: 15.05 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

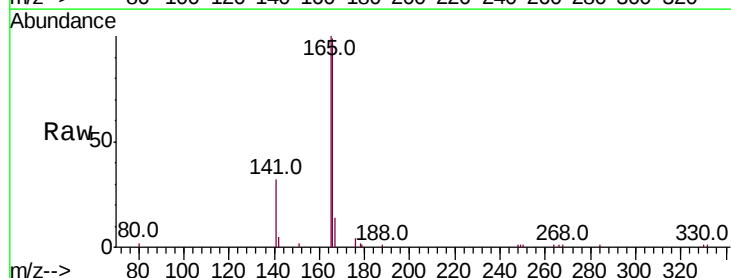
Tgt Ion:166 Resp: 5618

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

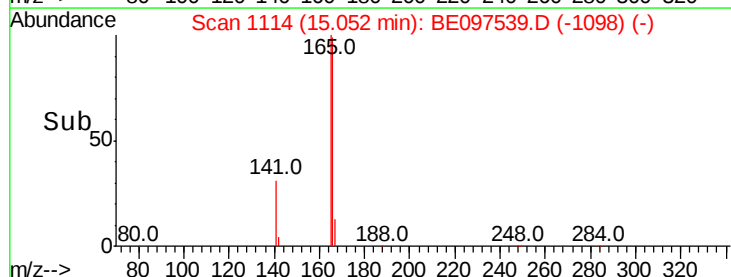
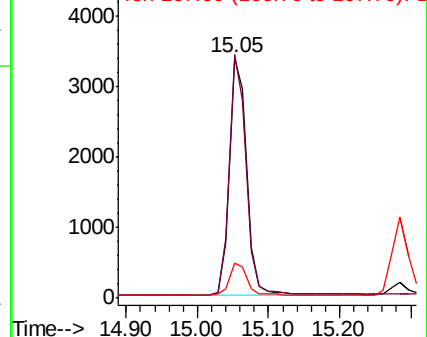
167 13.3 42.4 63.6#



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

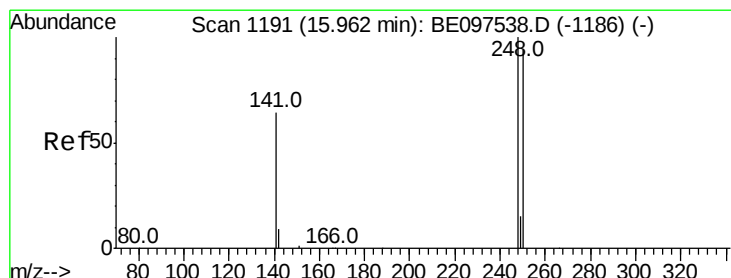
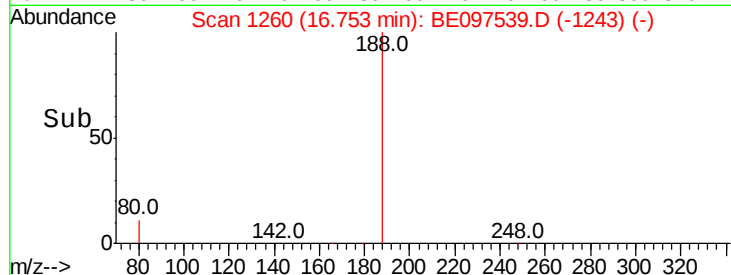
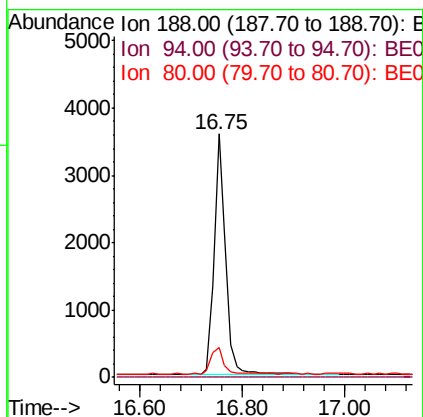
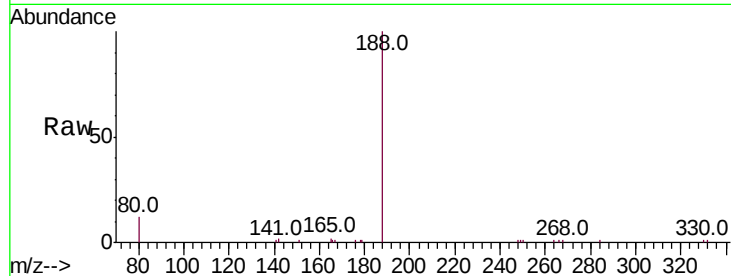




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097539.D
Acq: 19 Sep 2018 14:19

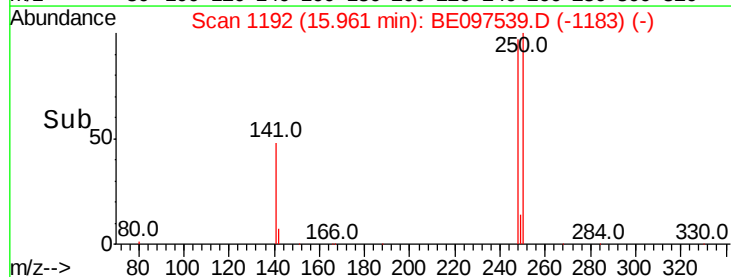
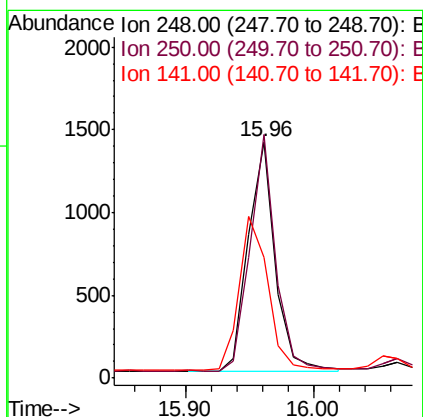
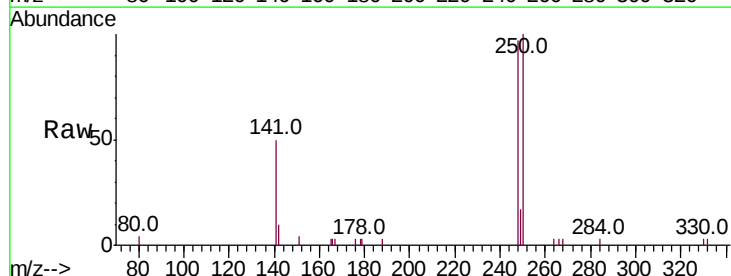
Instrument :
BNA_E
ClientSampleId :

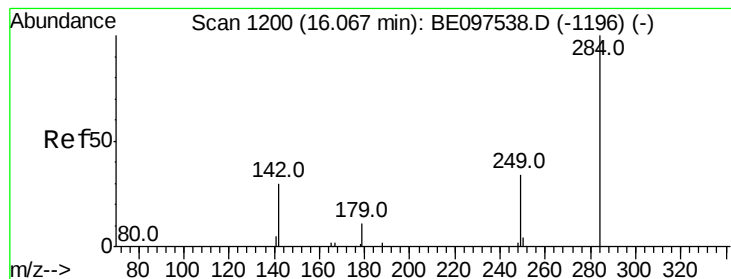
Tot Ion:188 Resp: 5577
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 12.1 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.754 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097539.D
Acq: 19 Sep 2018 14:19

Tgt Ion:248 Resp: 2031
Ion Ratio Lower Upper
248 100
250 103.0 62.7 94.1#
141 51.1 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.792 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

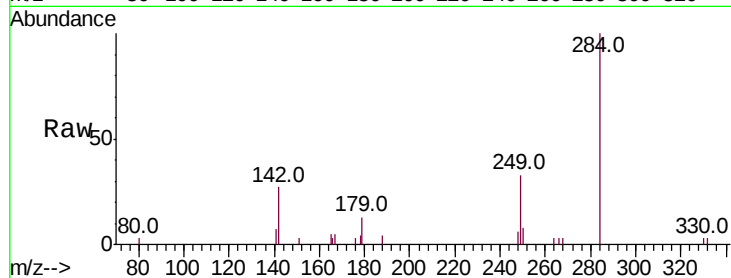
Tot Ion:284 Resp: 2261

Ion Ratio Lower Upper

284 100

142 31.9 22.1 33.1

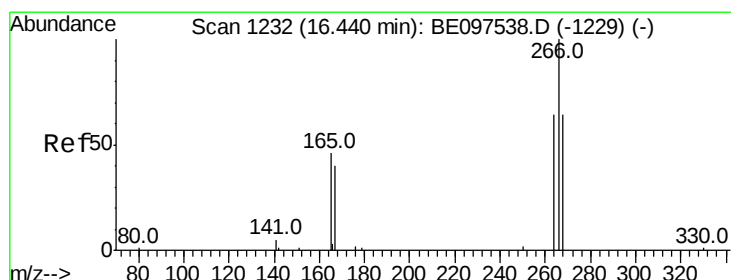
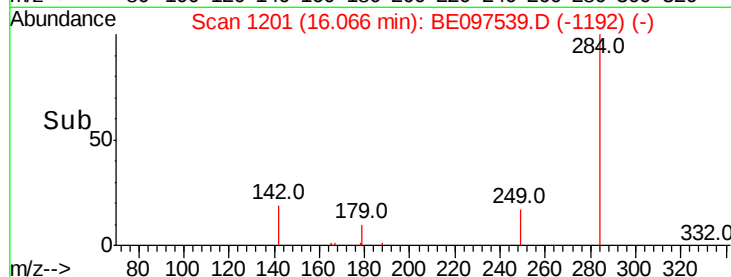
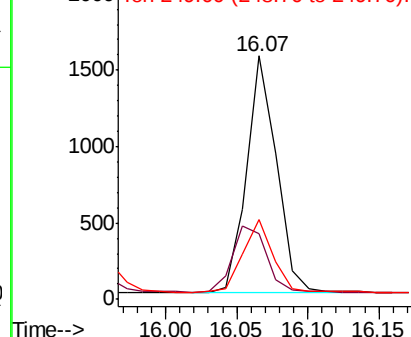
249 30.1 34.8 52.2#



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



#22

Pentachlorophenol

Concen: 1.431 ng

RT: 16.44 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

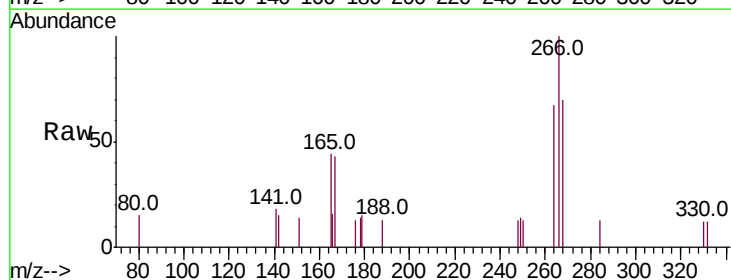
Tgt Ion:266 Resp: 709

Ion Ratio Lower Upper

266 100

264 67.3 72.5 108.7#

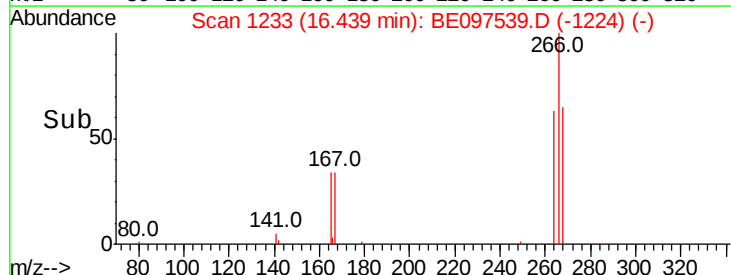
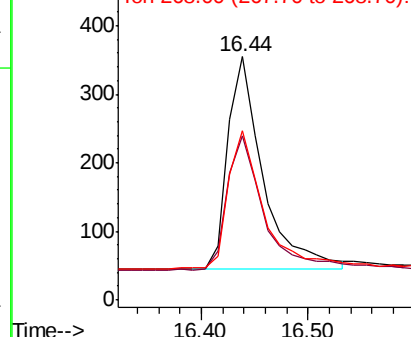
268 69.6 73.8 110.6#

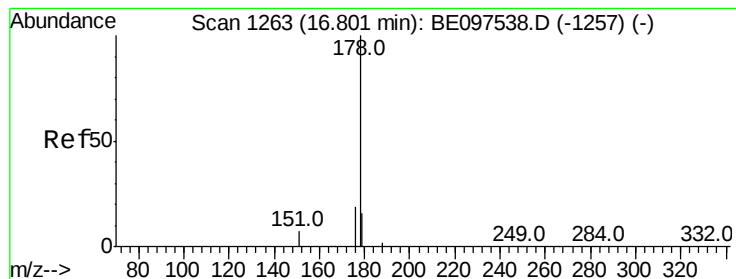


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.811 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

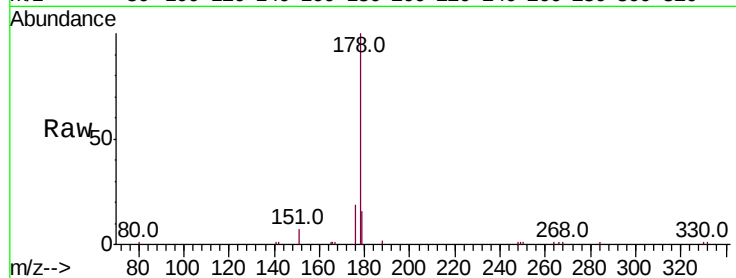
Tot Ion:178 Resp: 10640

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

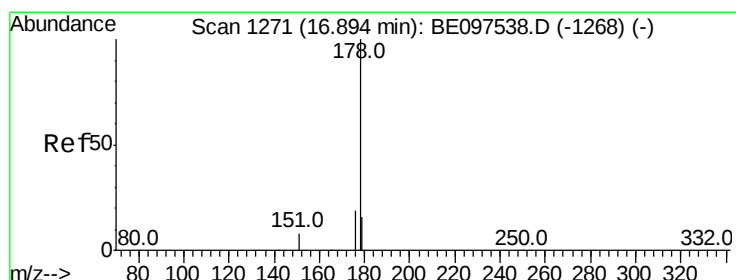
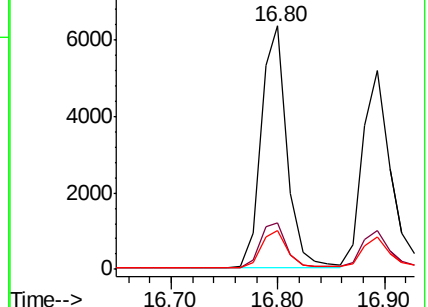
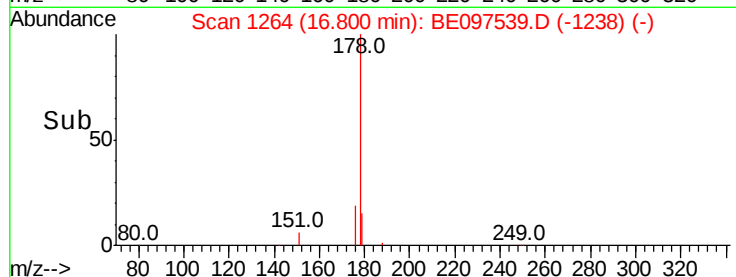
179 15.5 11.8 17.6



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: 0.769 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

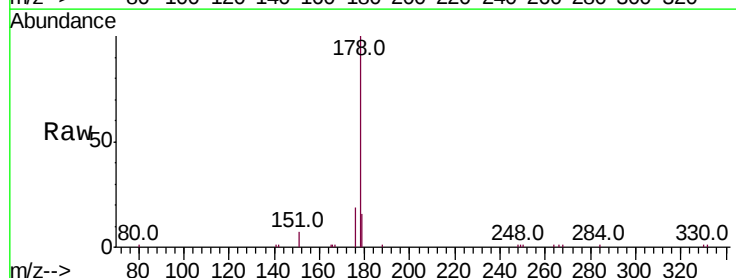
Tgt Ion:178 Resp: 9314

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

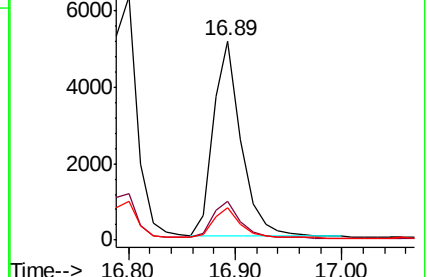
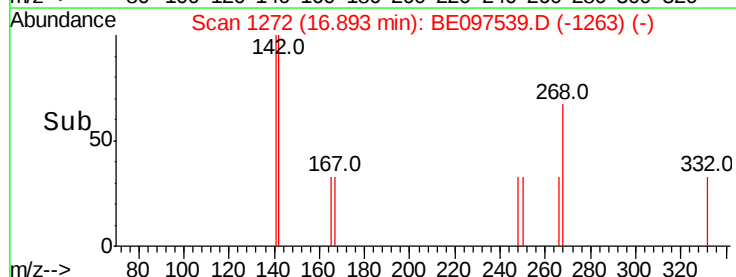
179 15.1 13.0 19.6



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: 0.847 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

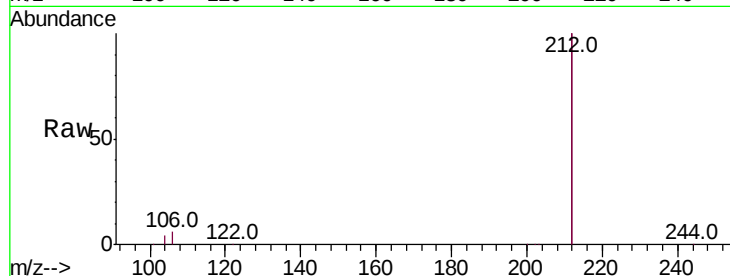
Tot Ion:212 Resp: 56791

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

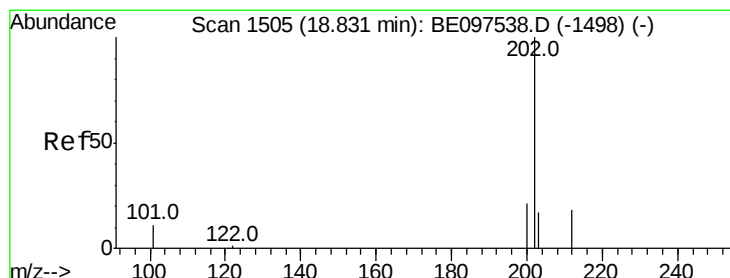
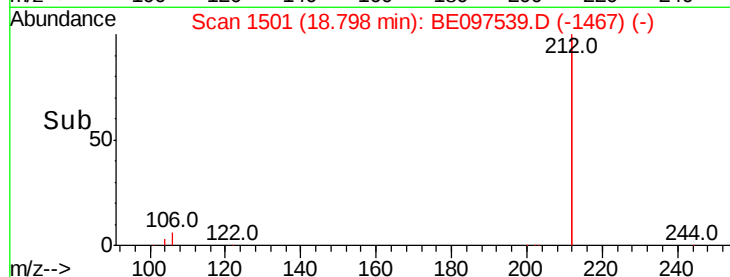
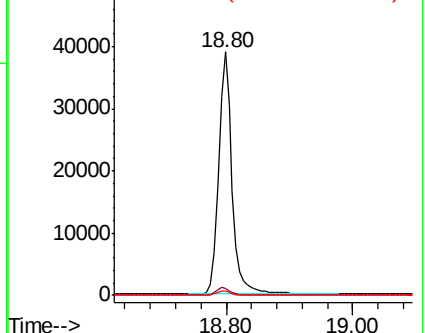
104 1.8 1.6 2.4



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: 0.869 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

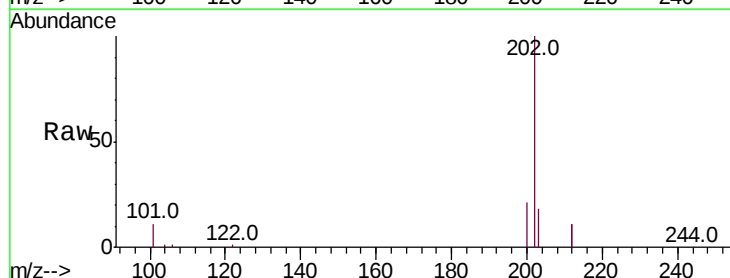
Tgt Ion:202 Resp: 14867

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

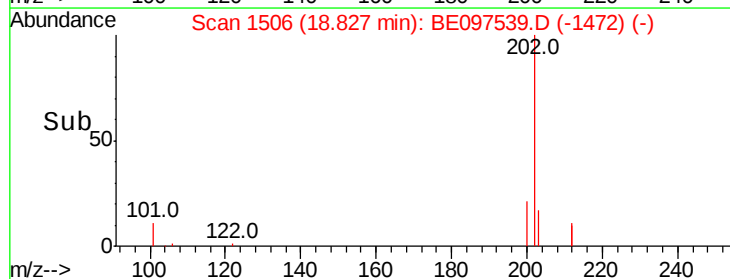
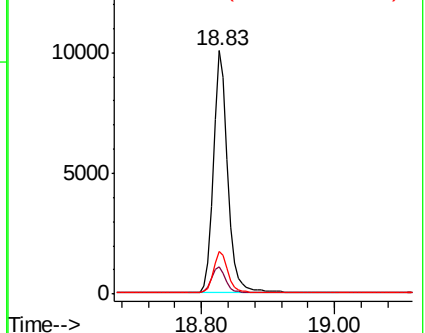
203 17.3 13.7 20.5



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

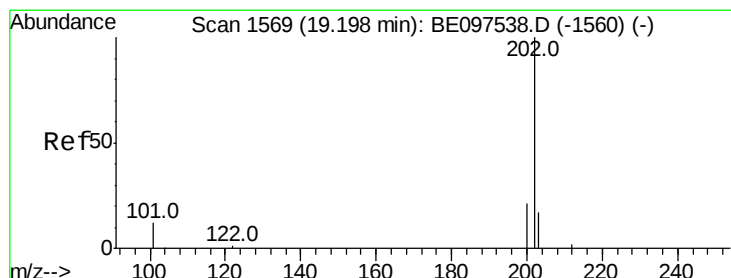
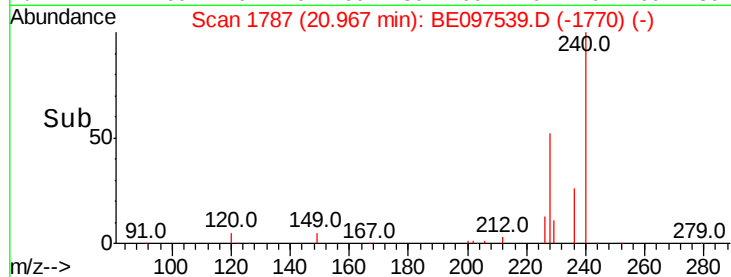
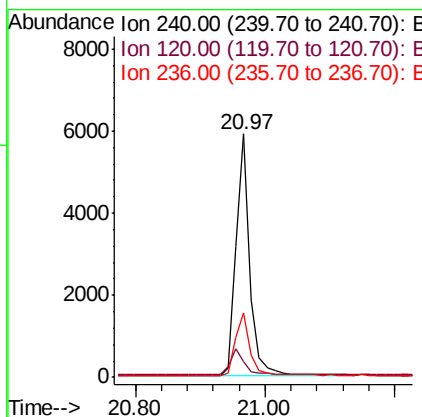
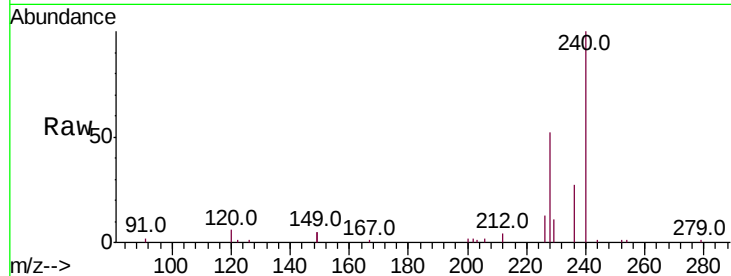




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097539.D
 Acq: 19 Sep 2018 14:19

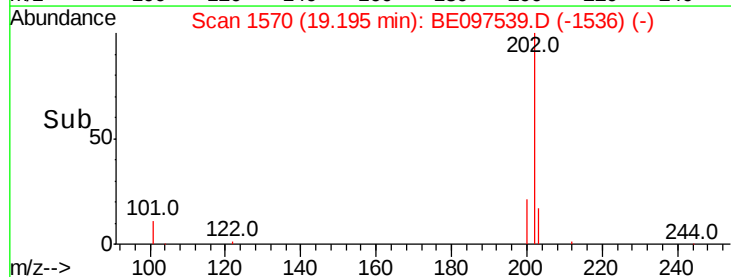
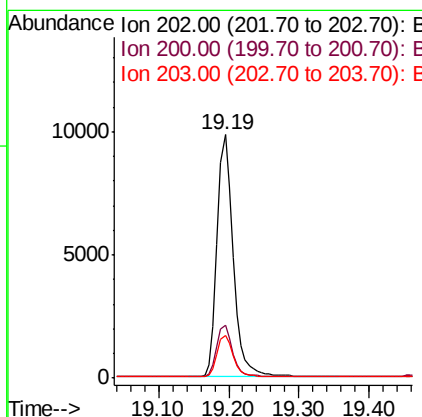
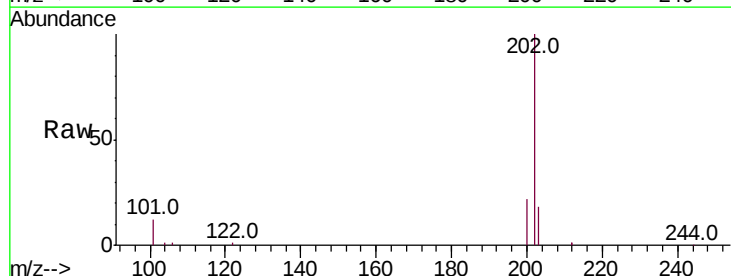
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 8721
 Ion Ratio Lower Upper
 240 100
 120 6.3 5.5 8.3
 236 26.6 20.7 31.1



#28
 Pyrene
 Concen: 0.700 ng
 RT: 19.19 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097539.D
 Acq: 19 Sep 2018 14:19

Tgt Ion:202 Resp: 15704
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 25.0
 203 17.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.760 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

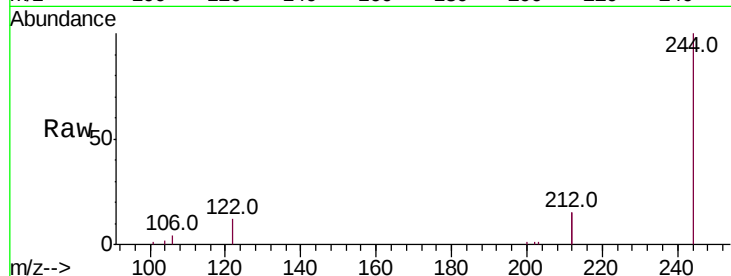
Tot Ion:244 Resp: 12669

Ion Ratio Lower Upper

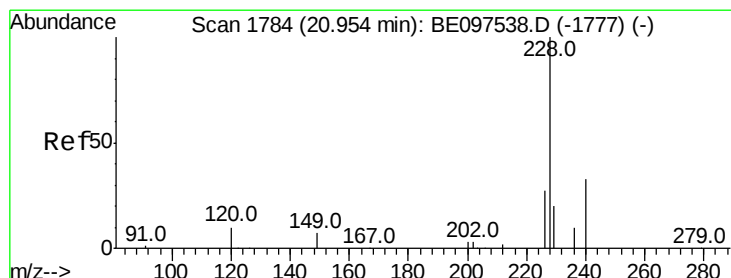
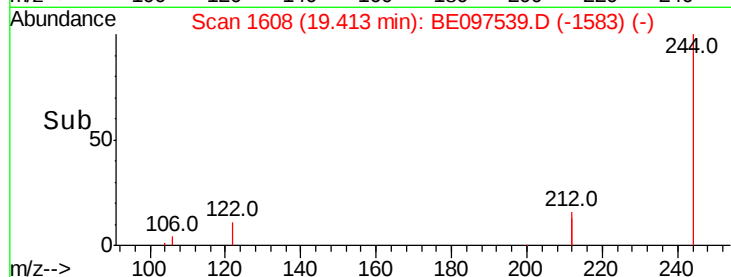
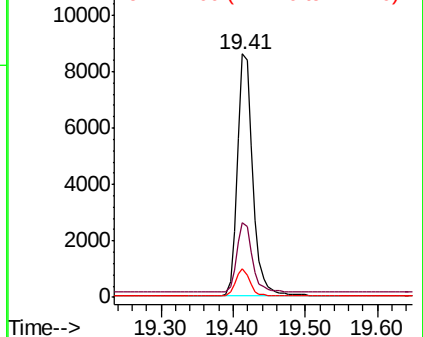
244 100

212 30.9 25.4 38.0

122 11.7 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: 0.762 ng

RT: 20.95 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

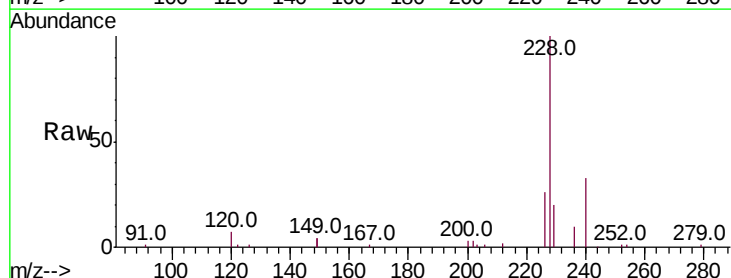
Tgt Ion:228 Resp: 17473

Ion Ratio Lower Upper

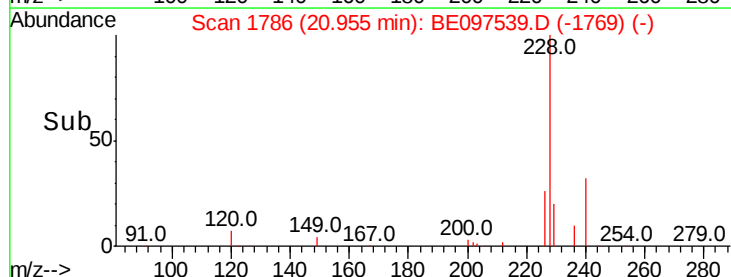
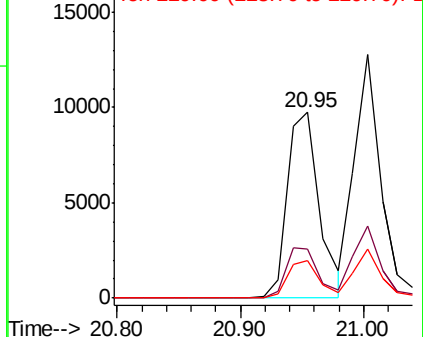
228 100

226 26.2 24.0 36.0

229 20.1 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: 0.800 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

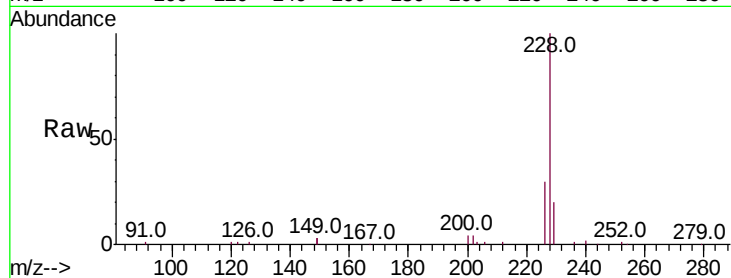
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 18820

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.0	16.0	24.0

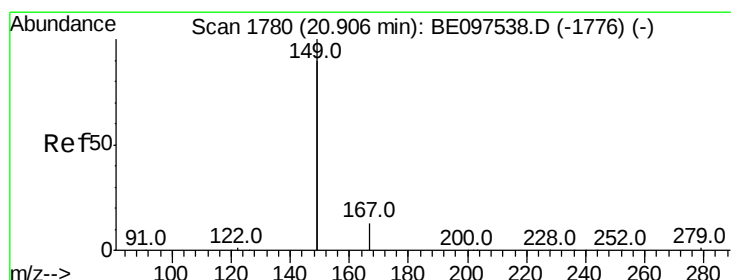
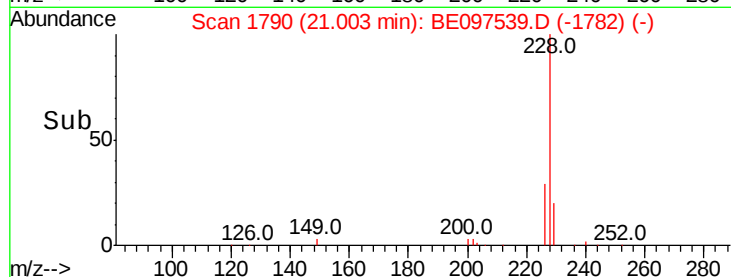
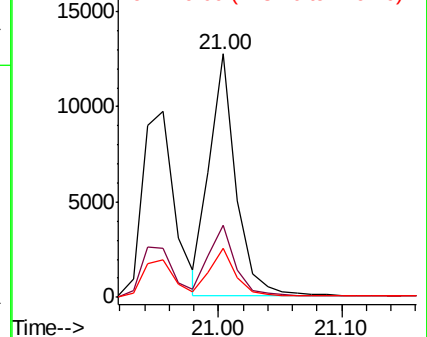


Abundance

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: 0.524 ng

RT: 20.91 min Scan# 1782

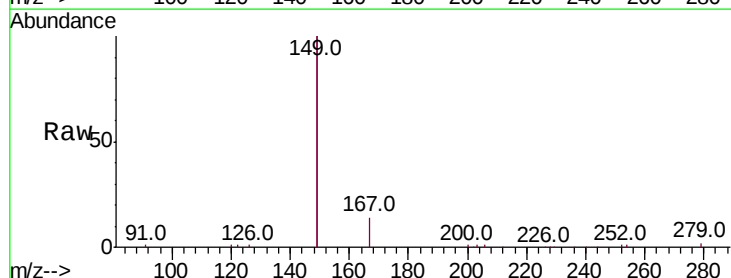
Delta R.T. 0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Tgt Ion:149 Resp: 25521

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.1	0.7	1.1#

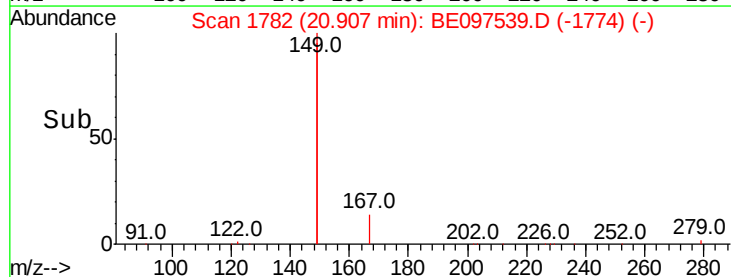
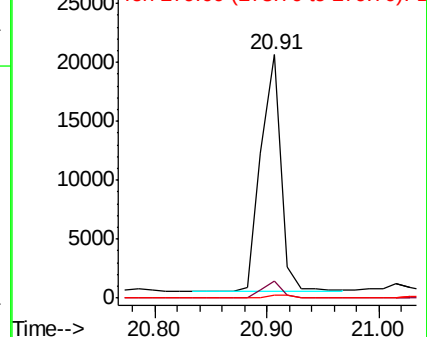


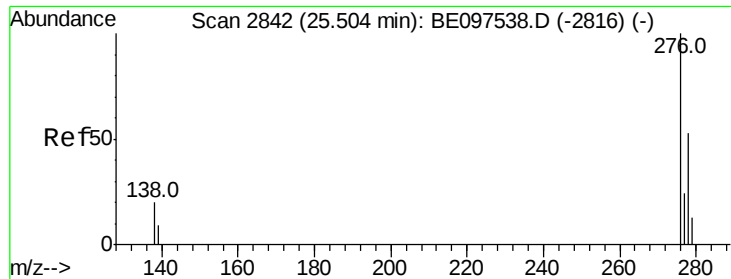
Abundance

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: 0.811 ng

RT: 25.50 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

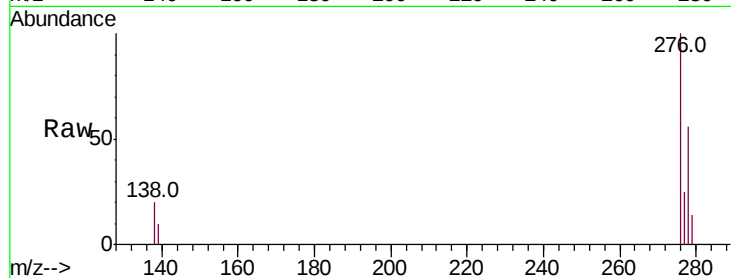
Tot Ion:276 Resp: 22742

Ion Ratio Lower Upper

276 100

138 20.6 22.5 33.7#

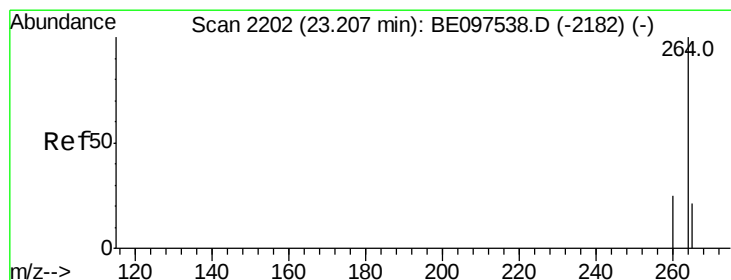
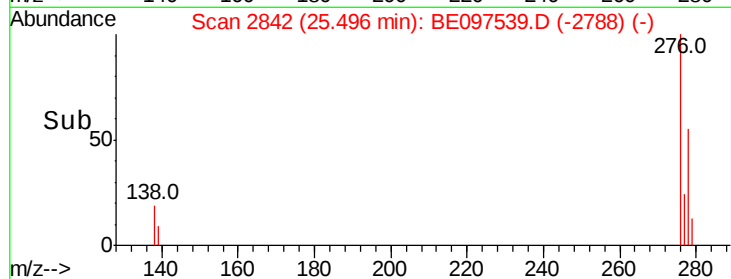
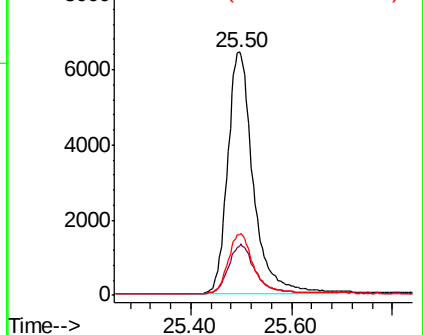
277 24.9 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.21 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

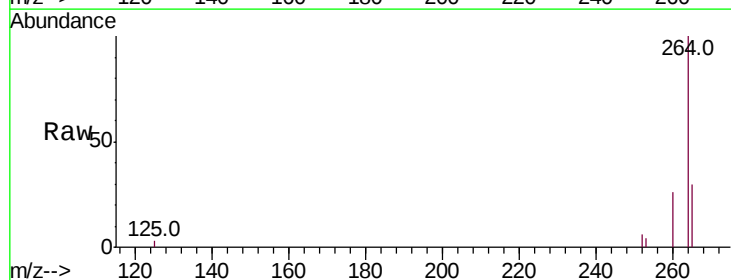
Tgt Ion:264 Resp: 8703

Ion Ratio Lower Upper

264 100

260 25.5 20.5 30.7

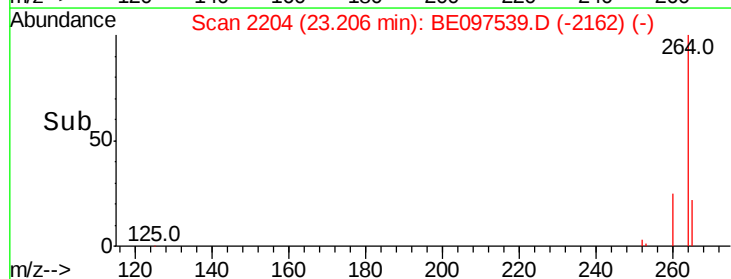
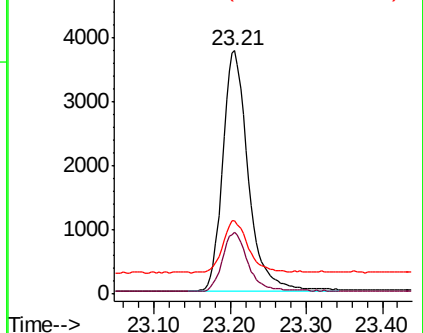
265 30.1 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.805 ng

RT: 22.53 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

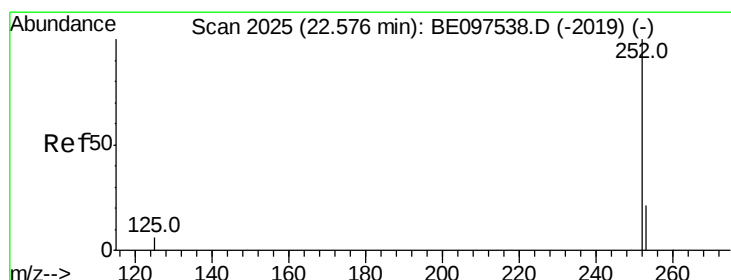
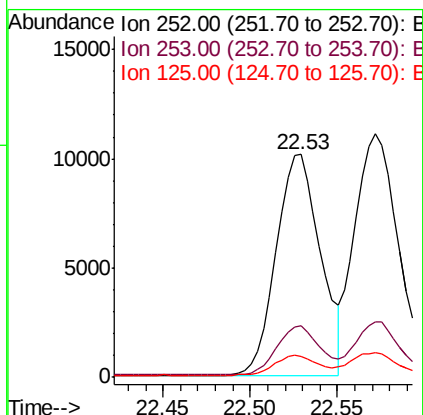
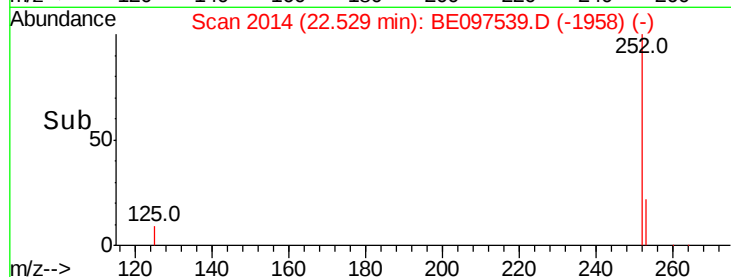
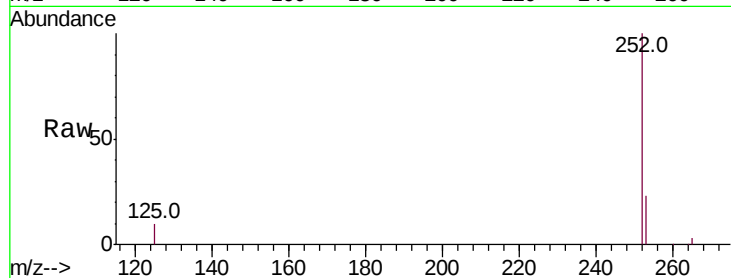
Tot Ion:252 Resp: 17914

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

125 9.5 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.834 ng

RT: 22.57 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

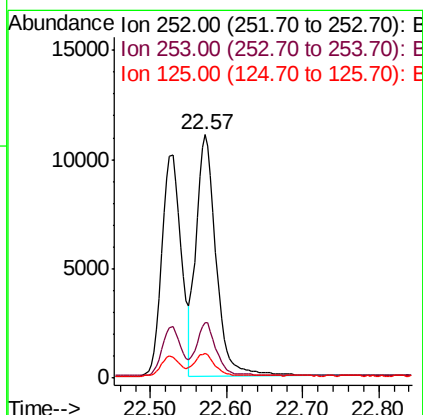
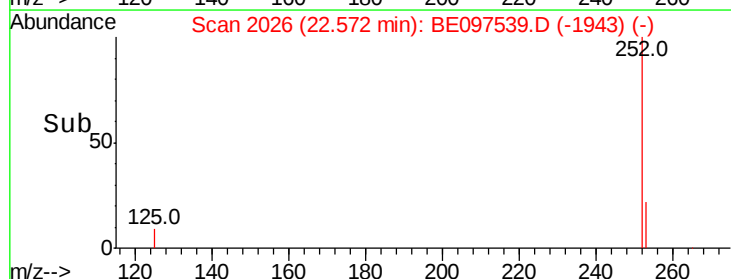
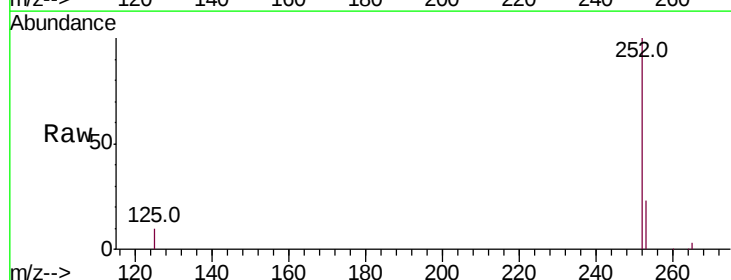
Tgt Ion:252 Resp: 20235

Ion Ratio Lower Upper

252 100

253 22.8 16.0 24.0

125 10.0 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.784 ng

RT: 23.10 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

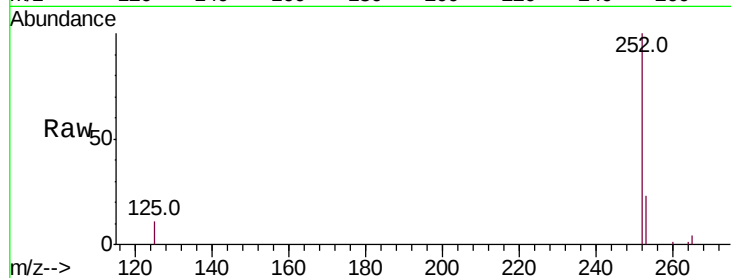
Tot Ion:252 Resp: 17334

Ion Ratio Lower Upper

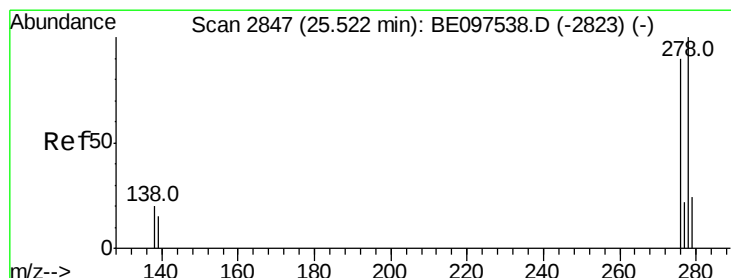
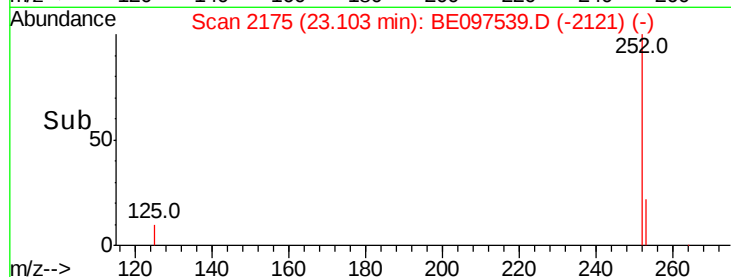
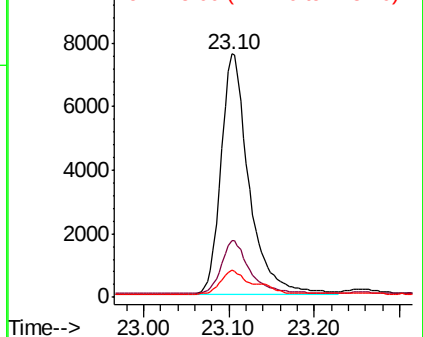
252 100

253 23.1 16.0 24.0

125 11.1 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: 0.827 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

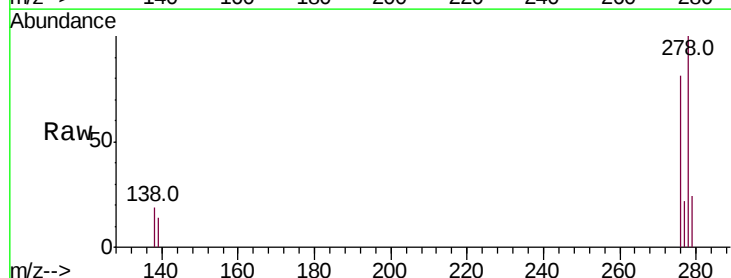
Tgt Ion:278 Resp: 19068

Ion Ratio Lower Upper

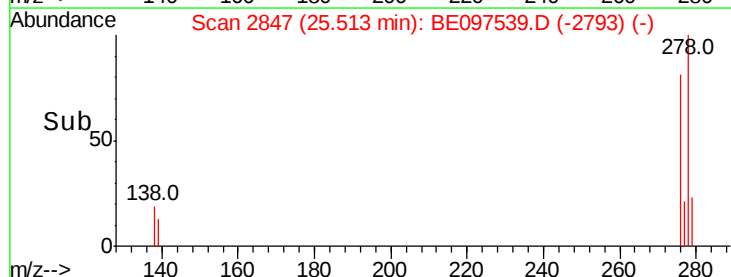
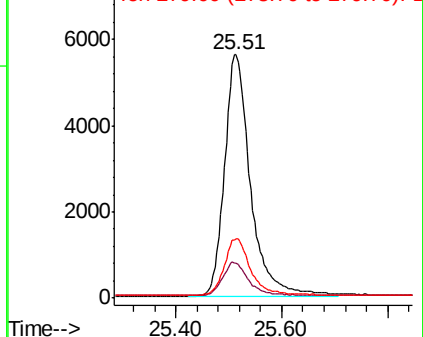
278 100

139 14.3 16.0 24.0#

279 24.4 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: 0.791 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BE097539.D

Acq: 19 Sep 2018 14:19

Instrument :

BNA_E

ClientSampleId :

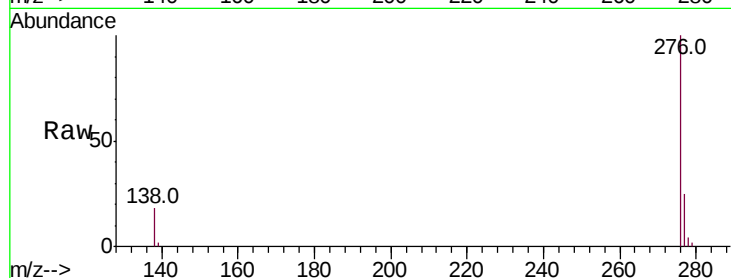
Tot Ion:276 Resp: 18627

Ion Ratio Lower Upper

276 100

277 25.1 16.0 24.0#

138 18.3 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

