

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097567.D
 Acq On : 20 Sep 2018 8:23
 Operator : SJ/JU
 Sample : J4958-21MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 10:49:22 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 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	788	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3542	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2055	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5899	0.40	ng	0.00
27) Chrysene-d12	20.97	240	8945	0.40	ng	0.00
34) Perylene-d12	23.20	264	8861	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	363	0.15	ng	0.01
5) Phenol-d6	6.63	99	193	0.06	ng	0.03
8) Nitrobenzene-d5	8.53	82	1092	0.40	ng	0.01
11) 2-Methylnaphthalene-d10	11.71	152	2629	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	352	0.44	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	4453	0.61	ng	0.00
25) Fluoranthene-d10	18.80	212	31023	0.41	ng	0.00
29) Terphenyl-d14	19.41	244	8521	0.52	ng	0.00

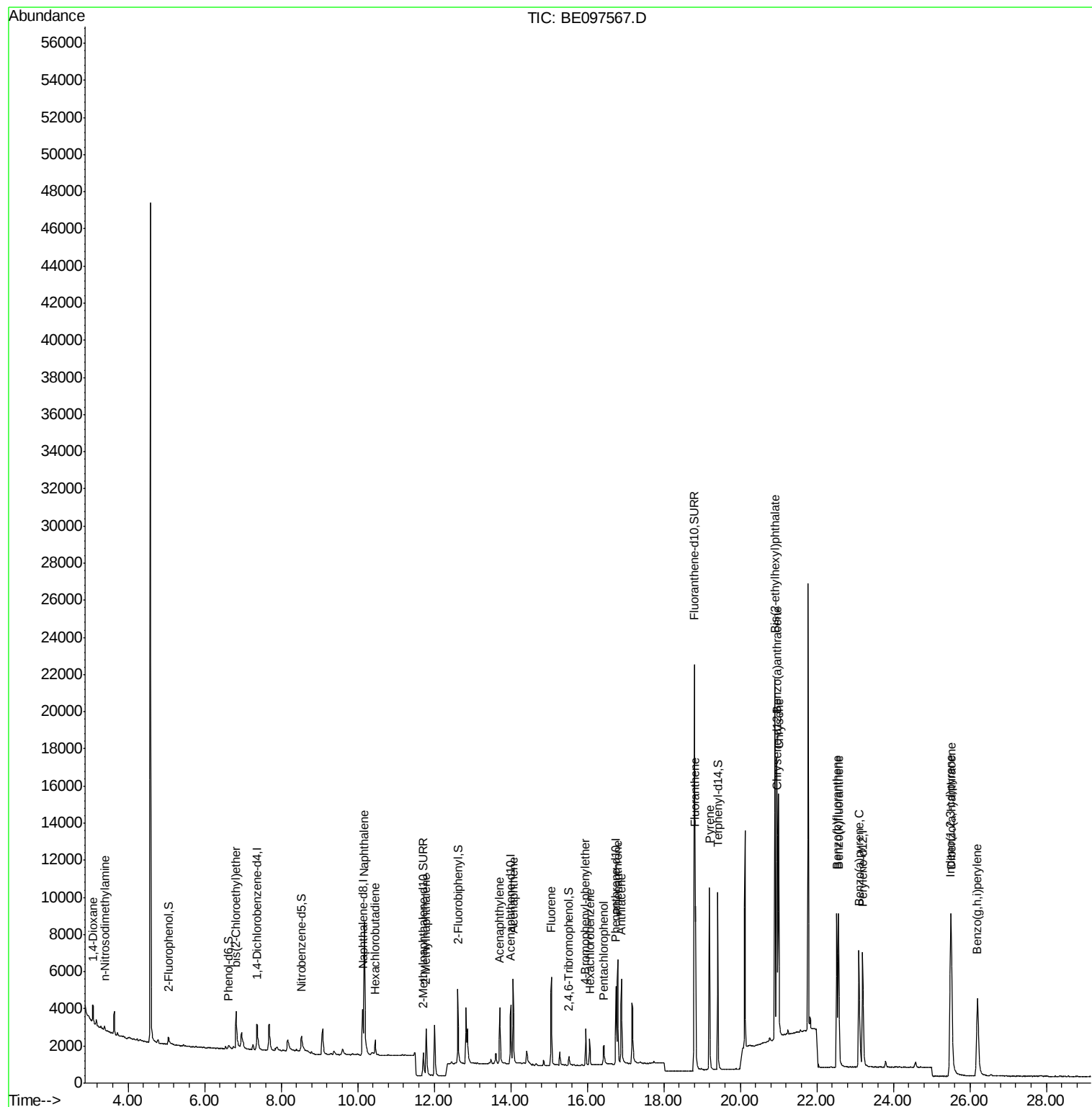
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	627	0.474	ng	# 81
3) n-Nitrosodimethylamine	3.38	42	184	0.171	ng	94
6) bis(2-Chloroethyl)ether	6.83	93	1044	0.373	ng	83
9) Naphthalene	10.17	128	14700	0.461	ng	99
10) Hexachlorobutadiene	10.46	225	565	0.384	ng	99
12) 2-Methylnaphthalene	11.79	142	2313	0.465	ng	99
16) Acenaphthylene	13.72	152	3584	0.441	ng	99
17) Acenaphthene	14.06	154	2347	0.431	ng	94
18) Fluorene	15.06	166	3345	0.471	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1087	0.409	ng	# 87
21) Hexachlorobenzene	16.07	284	1198	0.410	ng	# 83
22) Pentachlorophenol	16.44	266	820	0.755	ng	# 75
23) Phenanthrene	16.80	178	6509	0.465	ng	99
24) Anthracene	16.89	178	5797	0.468	ng	95
26) Fluoranthene	18.83	202	9228	0.475	ng	98
28) Pyrene	19.20	202	9624	0.473	ng	99
30) Benzo(a)anthracene	20.95	228	10780	0.479	ng	95
31) Chrysene	21.00	228	10860	0.450	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	22373	0.602	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.49	276	13132	0.451	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	10688	0.470	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	11842	0.456	ng	93
37) Benzo(a)pyrene	23.10	252	10601	0.478	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	11047	0.464	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	10937	0.472	ng	# 89

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

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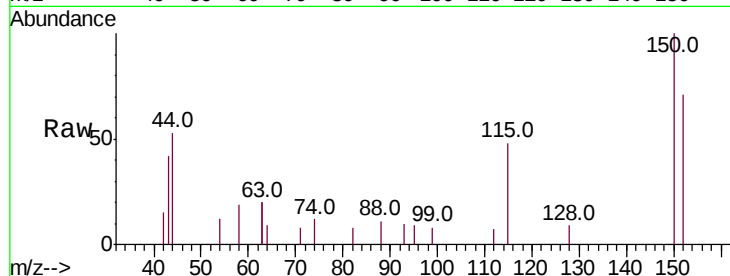


#1

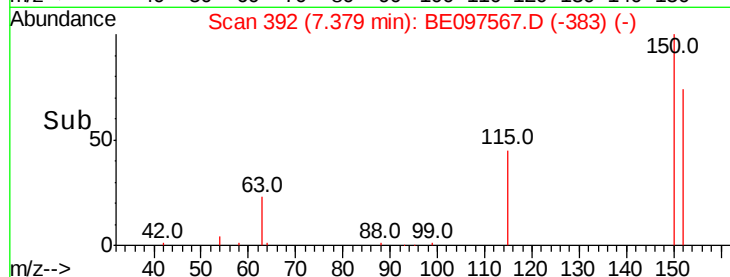
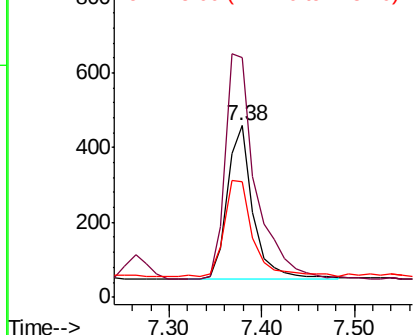
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 788
Ion Ratio Lower Upper
152 100
150 139.9 117.2 175.8
115 67.3 57.0 85.6



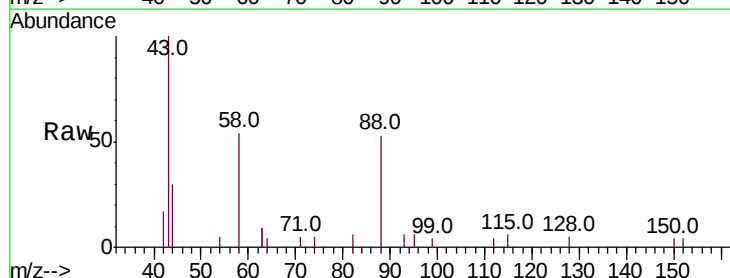
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



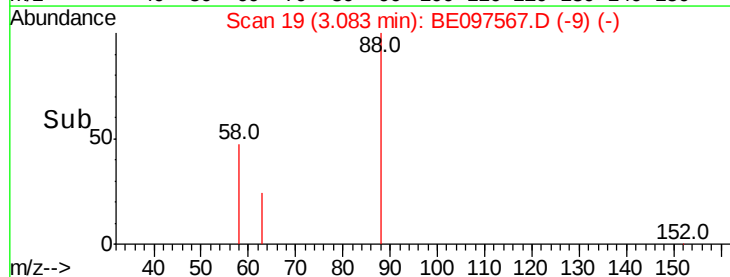
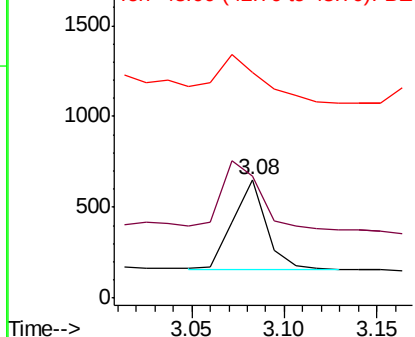
#2

1,4-Dioxane
Concen: 0.474 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

Tgt Ion: 88 Resp: 627
Ion Ratio Lower Upper
88 100
58 87.6 63.2 94.8
43 75.1 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: 0.171 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097567.D

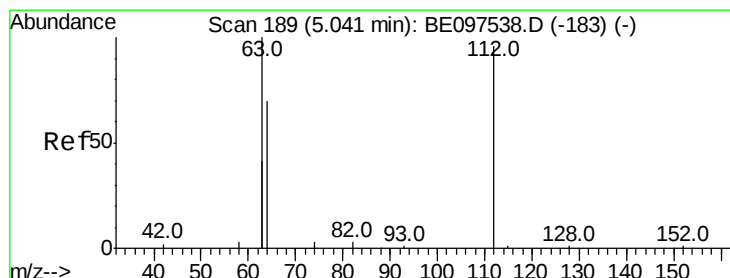
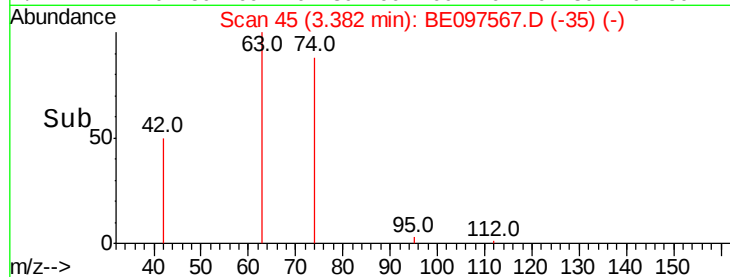
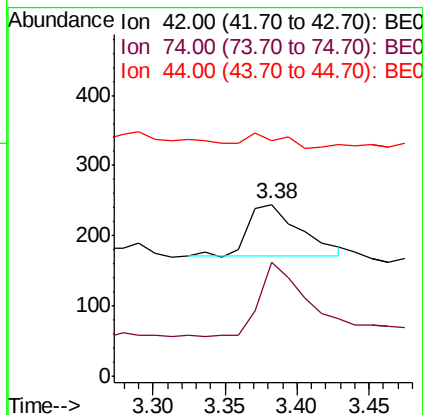
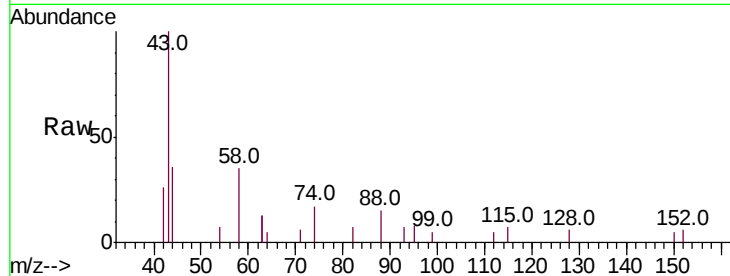
Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampled :

Tot Ion:	42	Resp:	184
Ion	Ratio	Lower	Upper
42	100		
74	127.2	96.0	144.0
44	16.3	12.0	18.0



#4

2-Fluorophenol

Concen: 0.154 ng

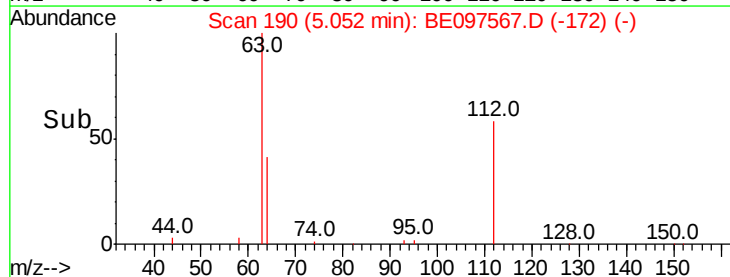
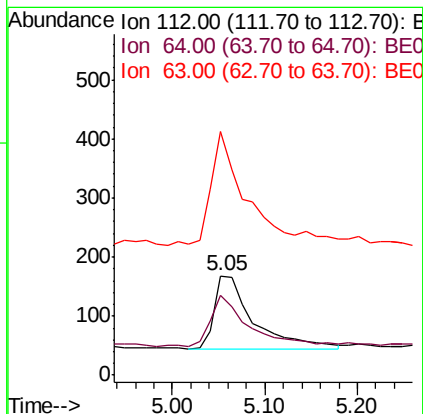
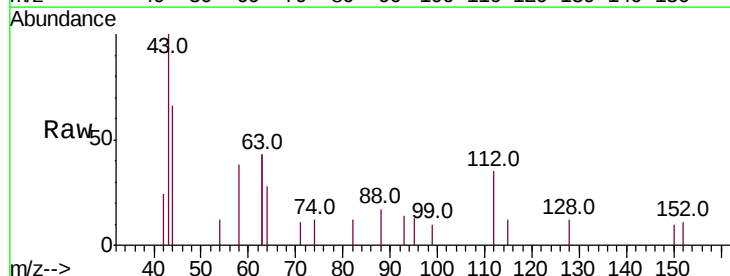
RT: 5.05 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Tgt Ion:	112	Resp:	363
Ion	Ratio	Lower	Upper
112	100		
64	65.6	60.1	90.1
63	146.3	116.8	175.2





#5

Phenol-d6

Concen: 0.064 ng

RT: 6.63 min Scan# 327

Delta R.T. 0.03 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampled :

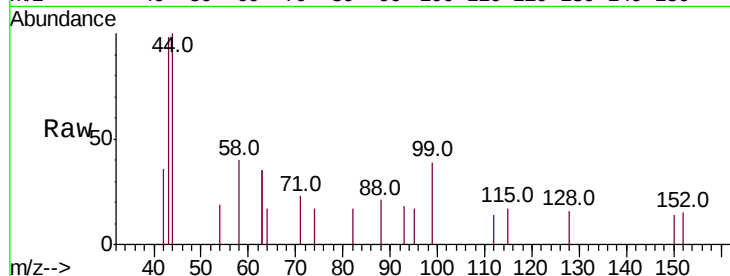
Tot Ion: 99 Resp: 193

Ion Ratio Lower Upper

99 100

42 30.6 20.2 30.2#

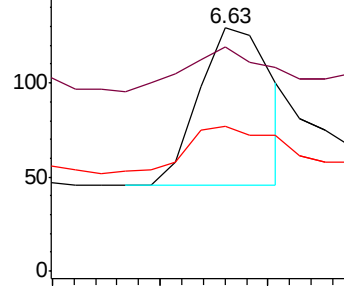
71 27.5 28.4 42.6#



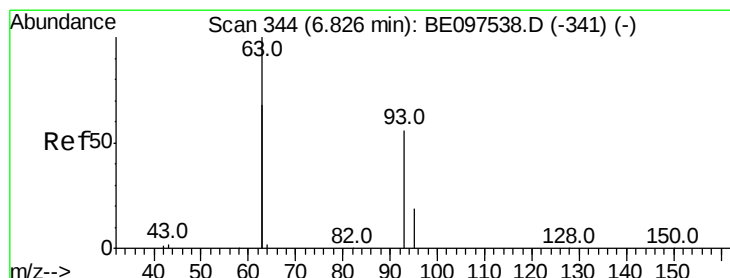
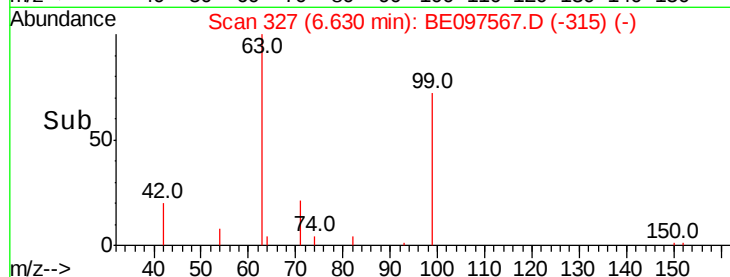
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.55 6.60 6.65



#6

bis(2-Chloroethyl)ether

Concen: 0.373 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

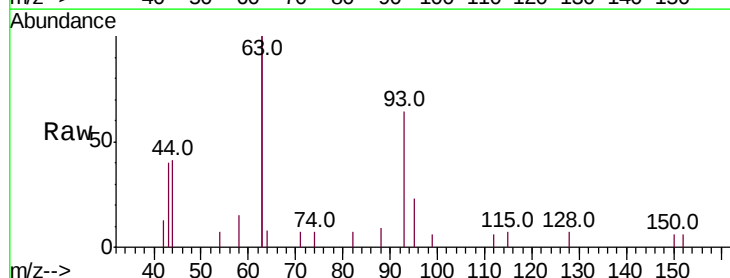
Tgt Ion: 93 Resp: 1044

Ion Ratio Lower Upper

93 100

63 305.7 275.3 412.9

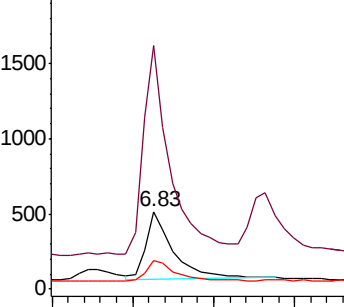
95 33.3 25.2 37.8



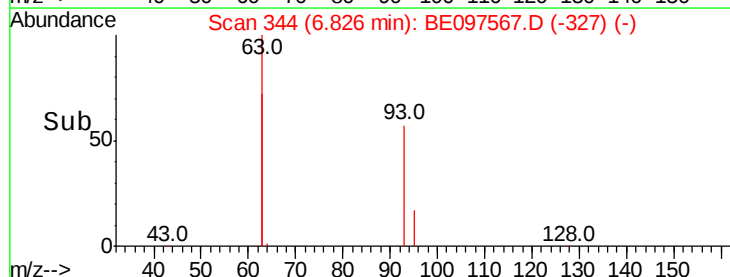
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 6.70 6.80 6.90 7.00





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3542

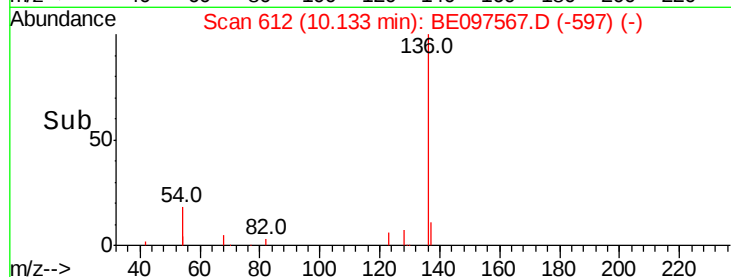
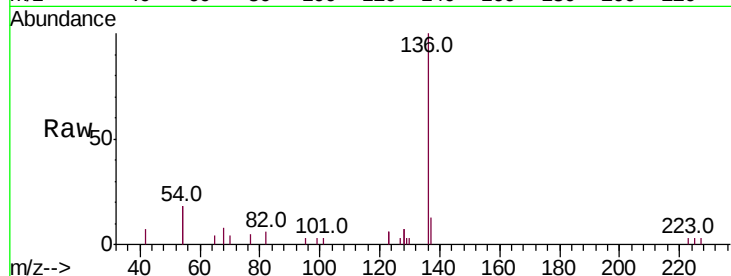
Ion Ratio Lower Upper

136 100

137 13.4 9.5 14.3

54 35.0 29.1 43.7

68 8.3 6.2 9.2

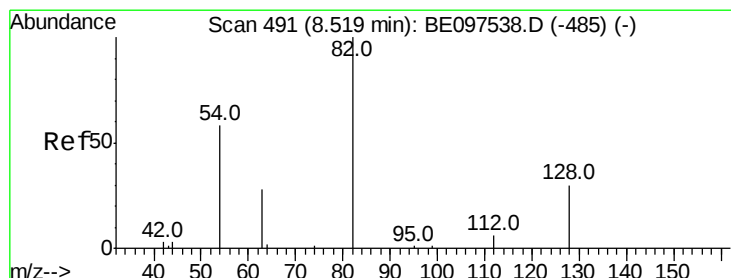
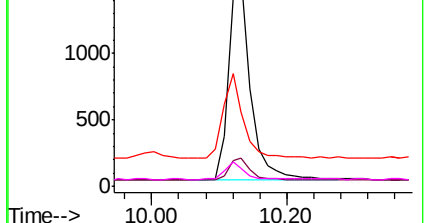


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.399 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

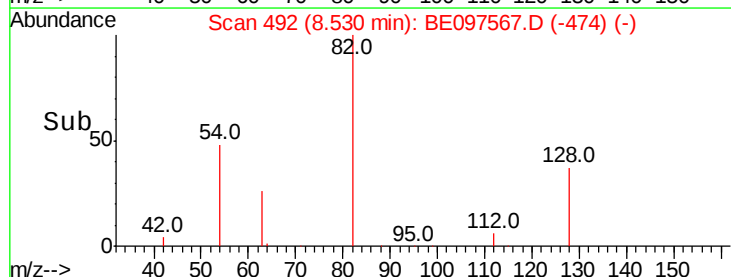
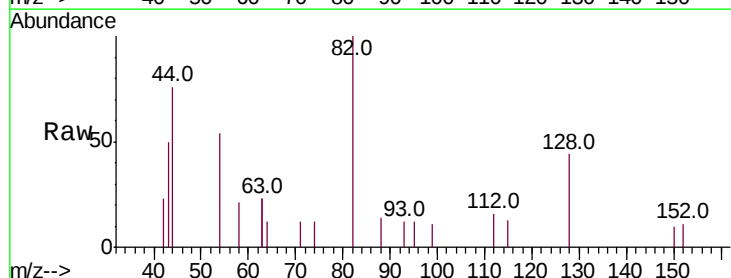
Tgt Ion: 82 Resp: 1092

Ion Ratio Lower Upper

82 100

128 43.5 24.0 36.0#

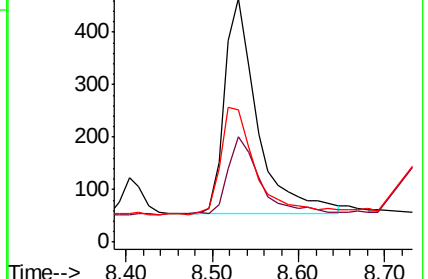
54 54.1 40.0 60.0

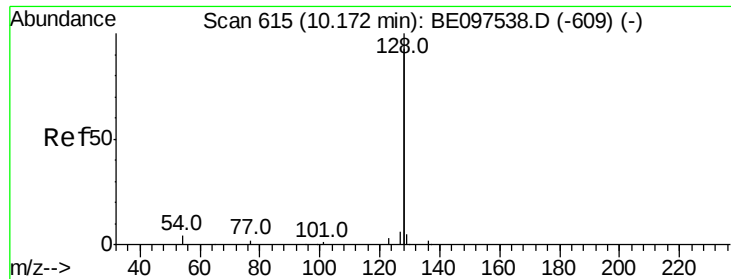


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.461 ng

RT: 10.17 min Scan# 615

Delta R.T. 0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

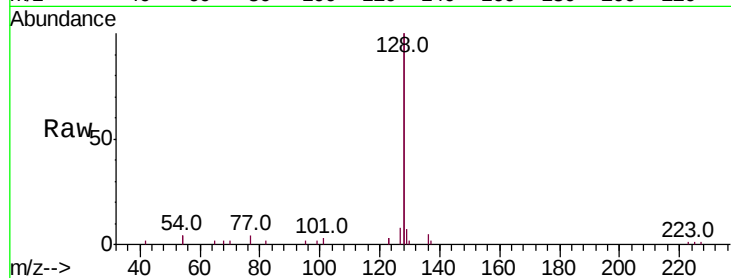
Tot Ion:128 Resp: 14700

Ion Ratio Lower Upper

128 100

129 3.5 2.6 3.8

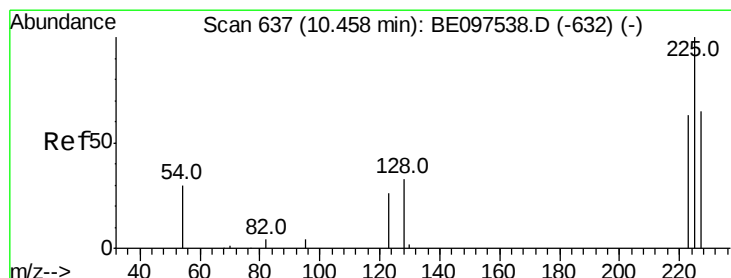
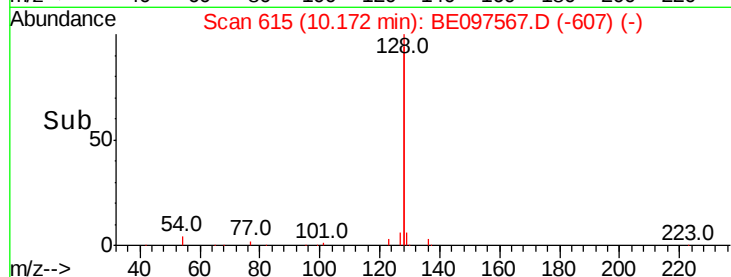
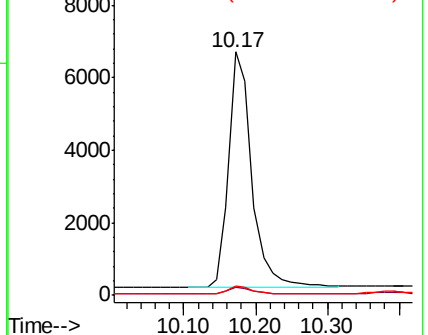
127 3.9 2.8 4.2



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: 0.384 ng

RT: 10.46 min Scan# 637

Delta R.T. 0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

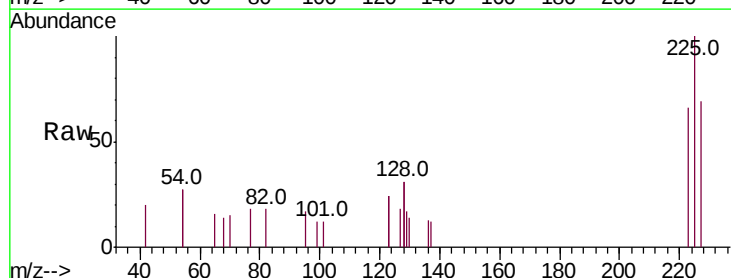
Tgt Ion:225 Resp: 565

Ion Ratio Lower Upper

225 100

223 65.3 53.0 79.6

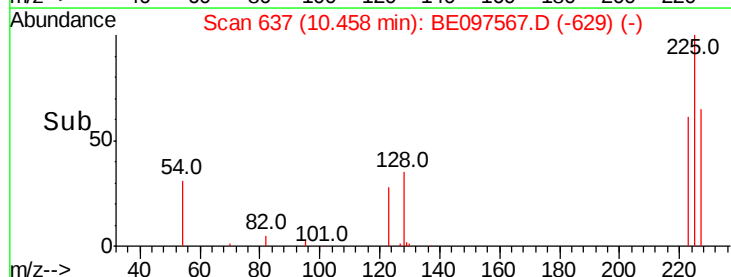
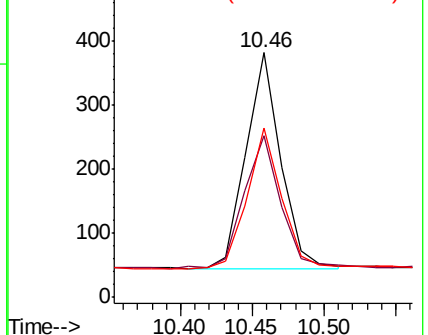
227 64.4 51.4 77.2



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

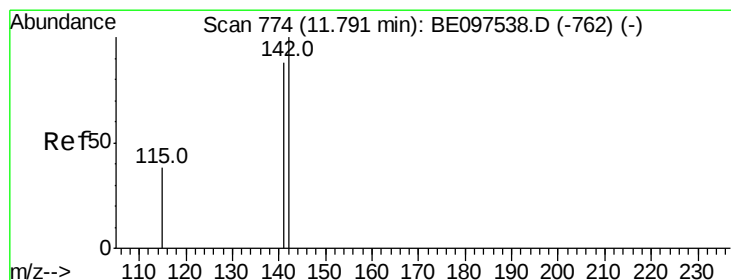
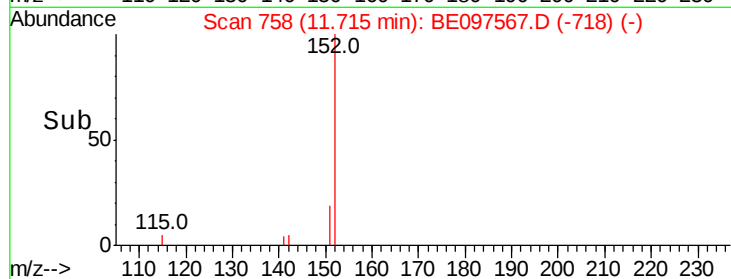
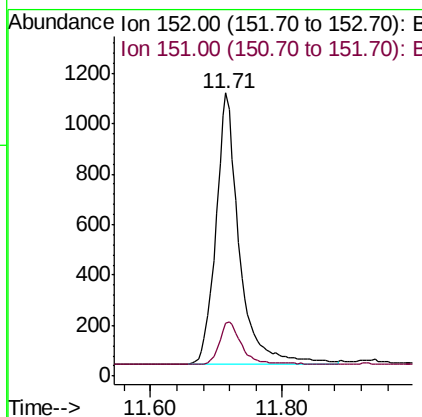
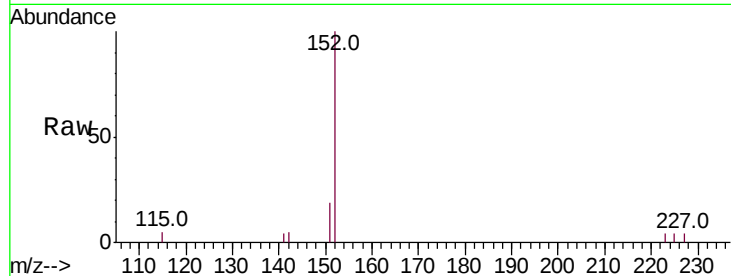




#11
 2-Methylnaphthalene-d10
 Concen: 0.538 ng
 RT: 11.71 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BE097567.D
 Acq: 20 Sep 2018 8:23

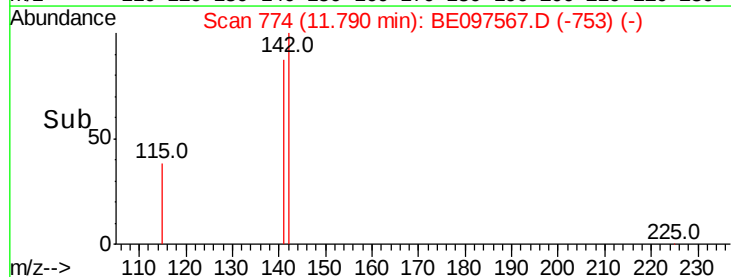
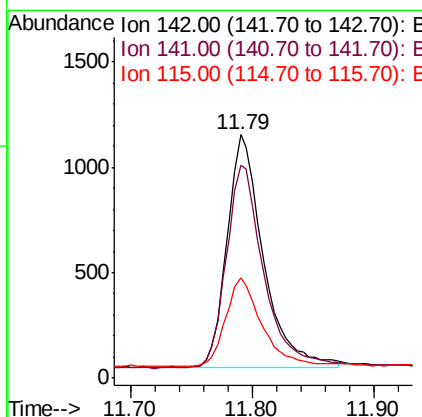
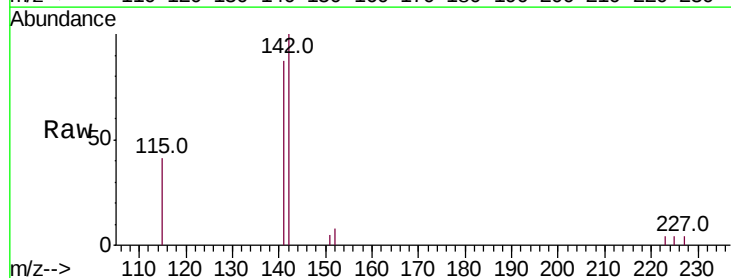
Instrument :
 BNA_E
 ClientSampleId :

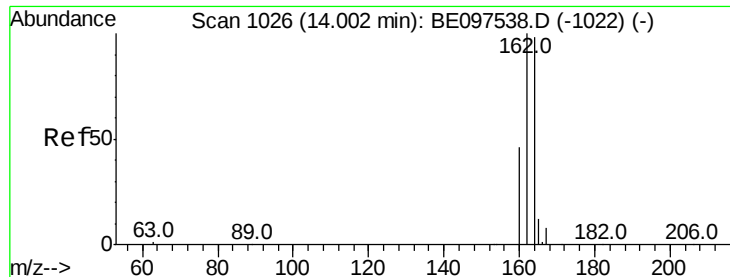
Tot Ion:152 Resp: 2629
 Ion Ratio Lower Upper
 152 100
 151 13.7 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 0.465 ng
 RT: 11.79 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097567.D
 Acq: 20 Sep 2018 8:23

Tgt Ion:142 Resp: 2313
 Ion Ratio Lower Upper
 142 100
 141 87.4 70.4 105.6
 115 41.1 31.7 47.5

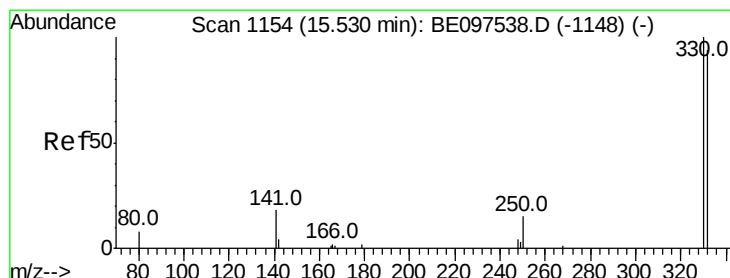
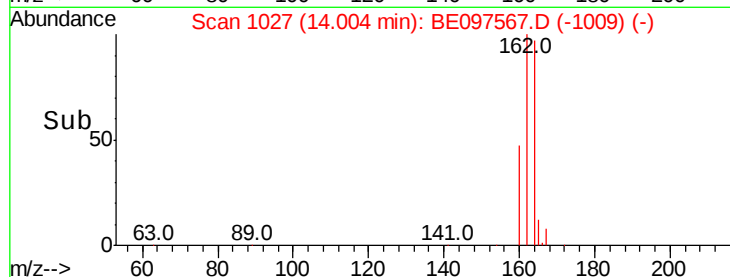
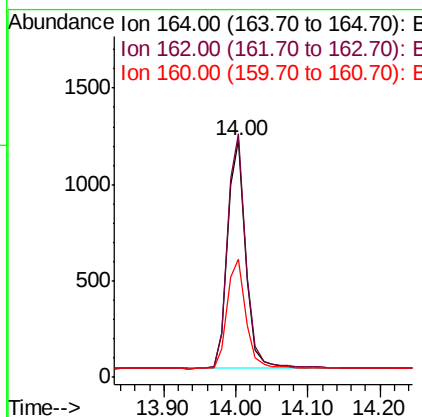
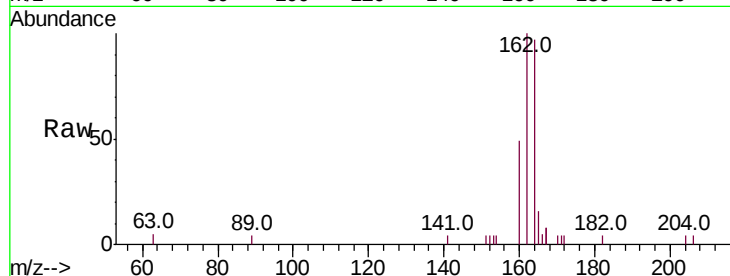




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

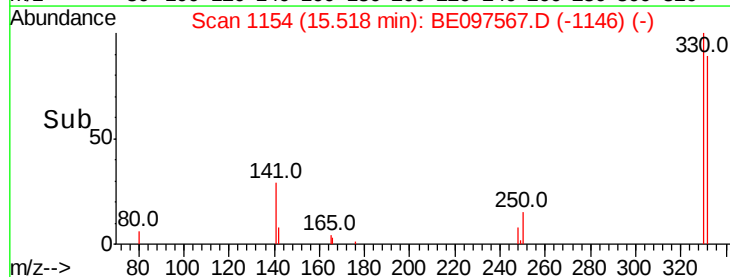
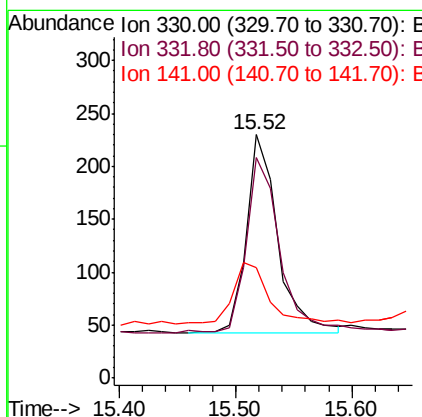
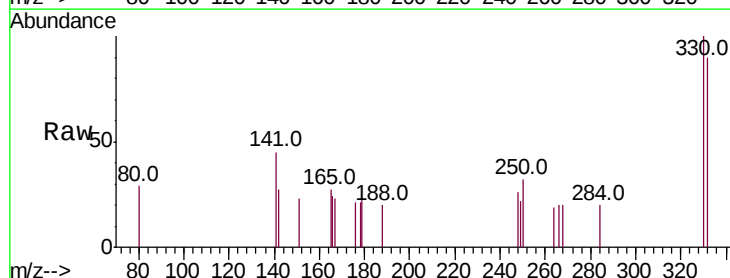
Instrument :
BNA_E
ClientSampleId :

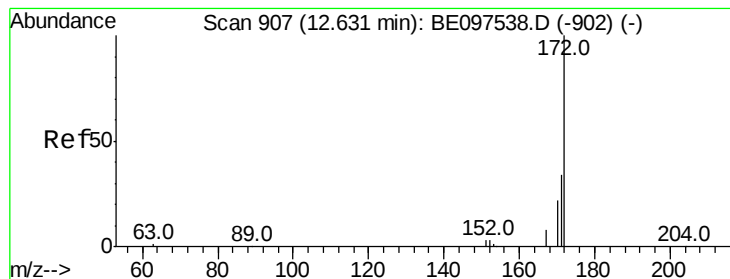
Tot Ion:164 Resp: 2055
Ion Ratio Lower Upper
164 100
162 102.8 83.1 124.7
160 50.0 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.444 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

Tgt Ion:330 Resp: 352
Ion Ratio Lower Upper
330 100
332 90.9 152.7 229.1#
141 33.2 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.613 ng

RT: 12.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

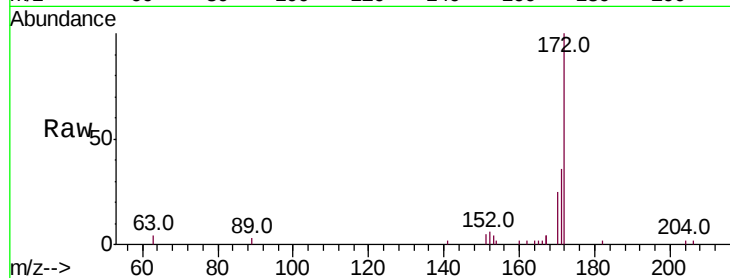
Tot Ion:172 Resp: 4453

Ion Ratio Lower Upper

172 100

171 36.0 29.9 44.9

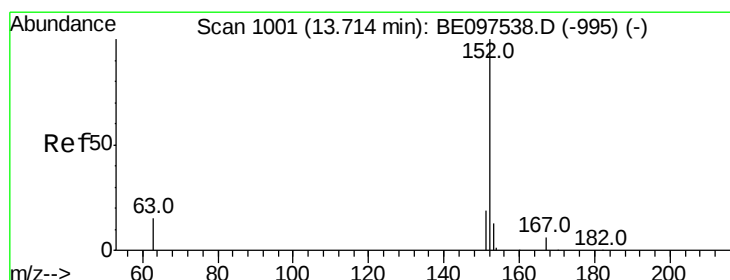
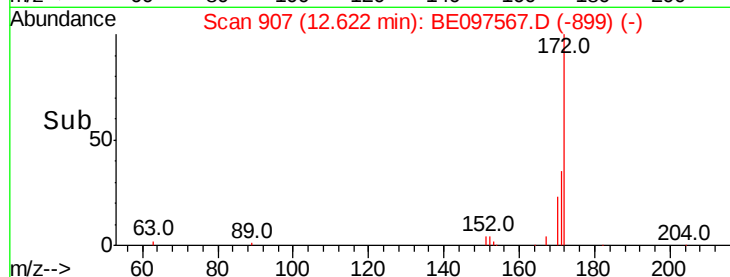
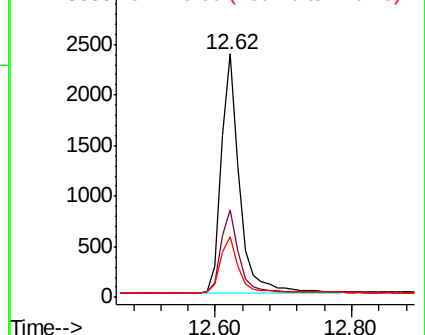
170 24.6 21.8 32.8



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: 0.441 ng

RT: 13.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

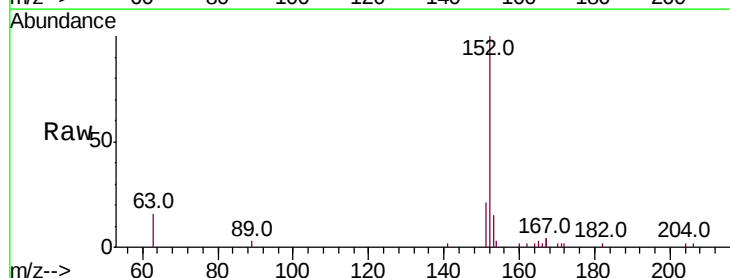
Tgt Ion:152 Resp: 3584

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

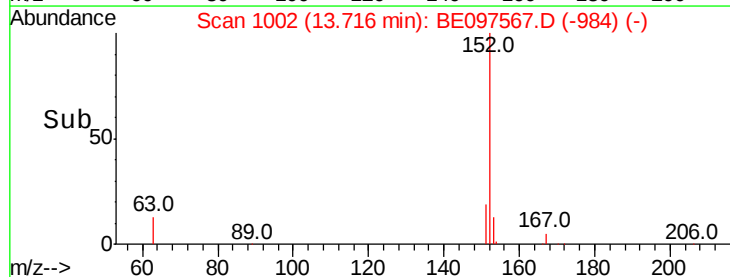
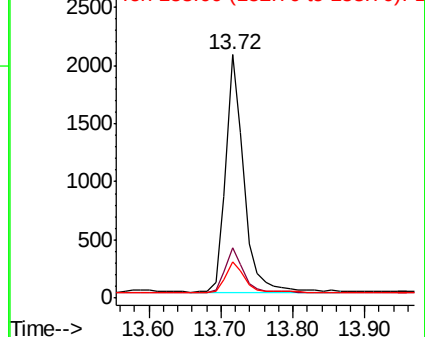
153 14.3 10.5 15.7

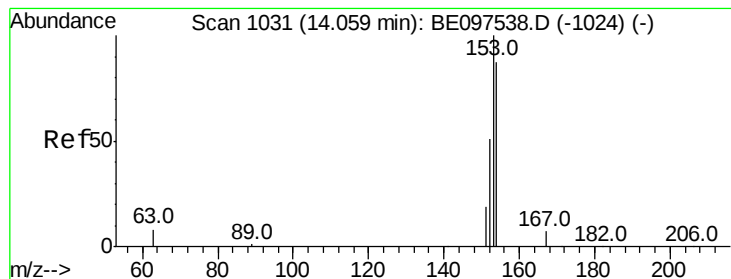


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.431 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

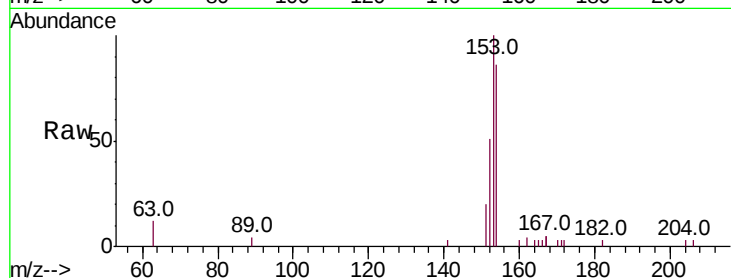
Tot Ion:154 Resp: 2347

Ion Ratio Lower Upper

154 100

153 116.8 89.2 133.8

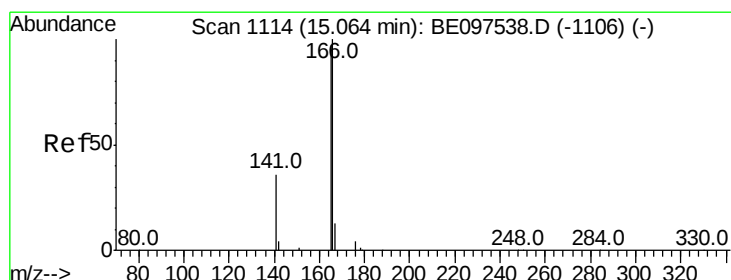
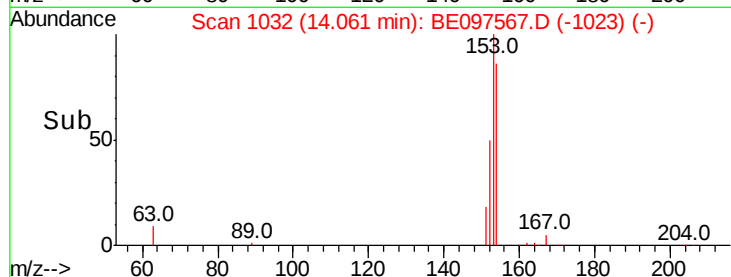
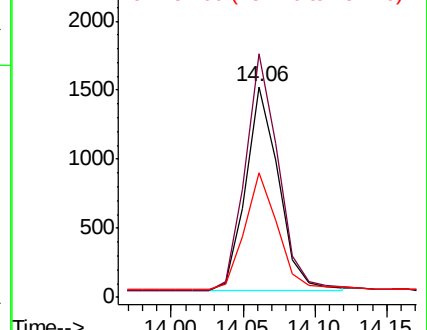
152 57.4 42.0 63.0



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: 0.471 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

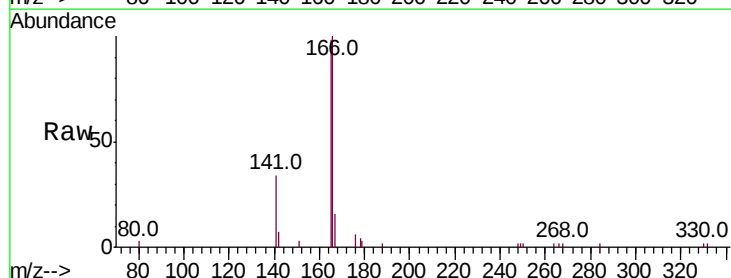
Tgt Ion:166 Resp: 3345

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

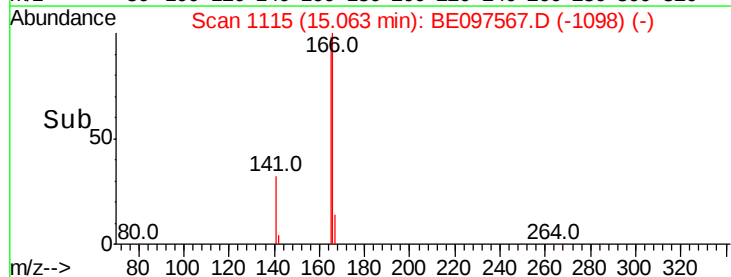
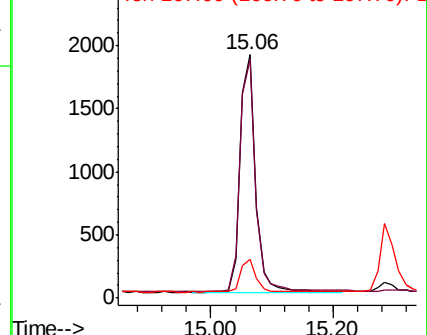
167 13.3 42.4 63.6#



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

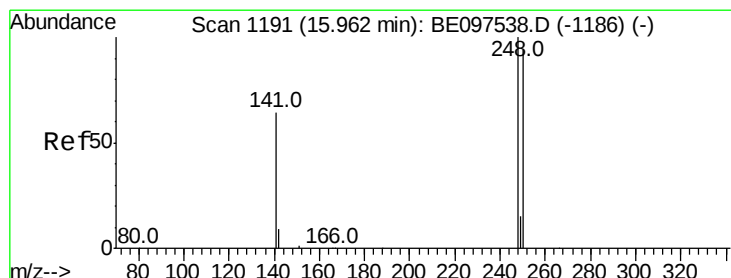
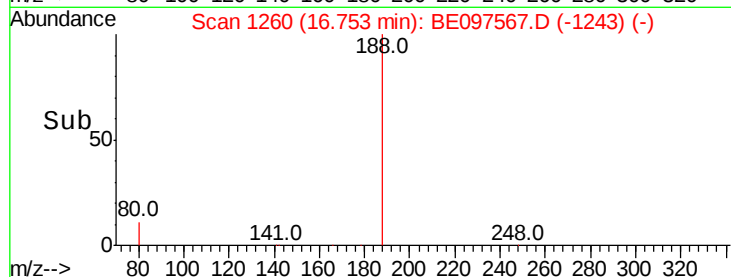
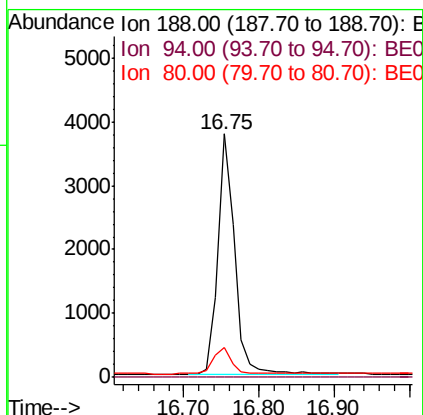
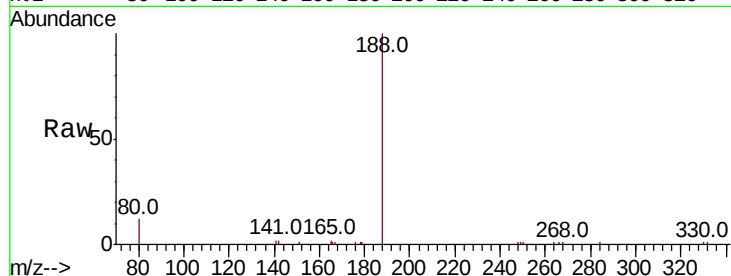
Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 5899

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: 0.409 ng

RT: 15.96 min Scan# 1192

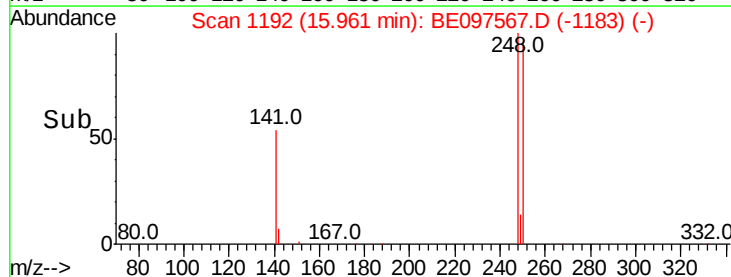
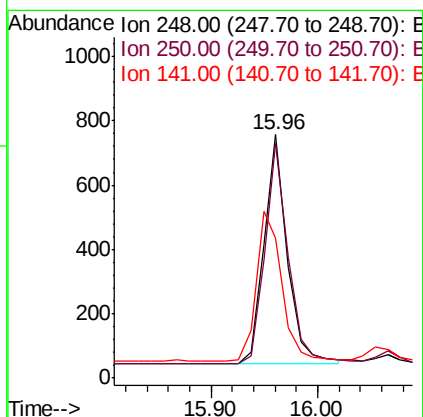
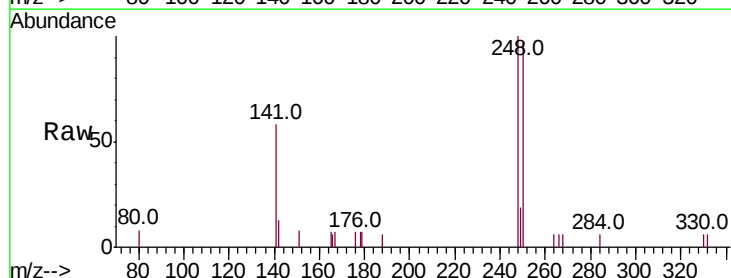
Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Tgt Ion:248 Resp: 1087

Ion	Ratio	Lower	Upper
248	100		
250	96.6	62.7	94.1#
141	57.6	48.2	72.2

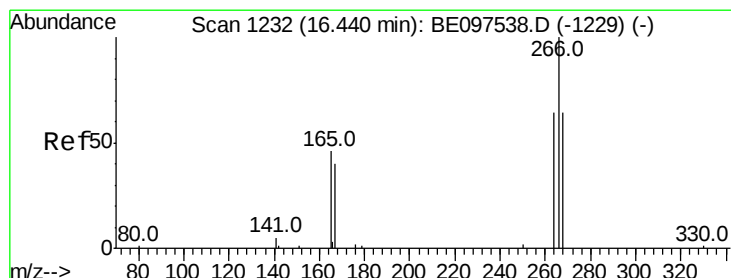
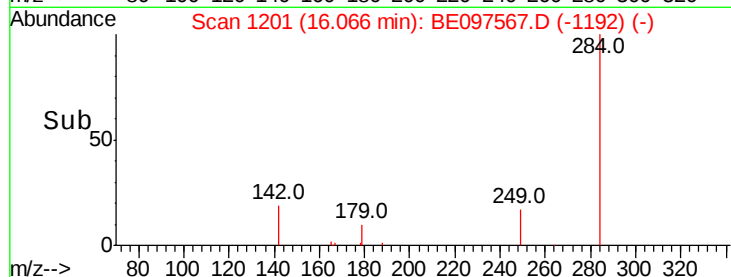
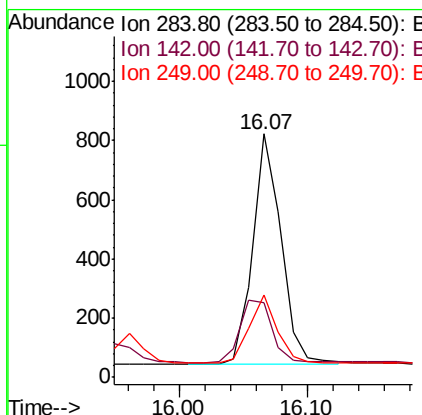
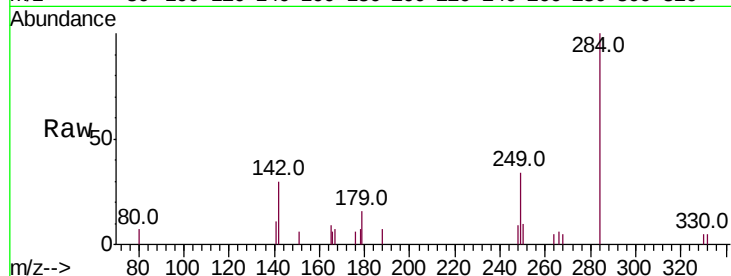




#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

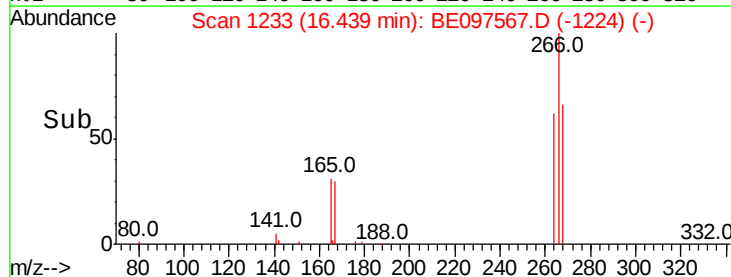
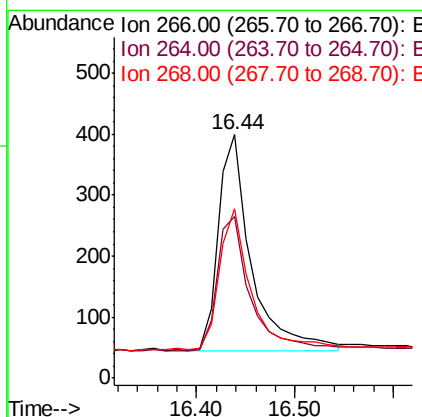
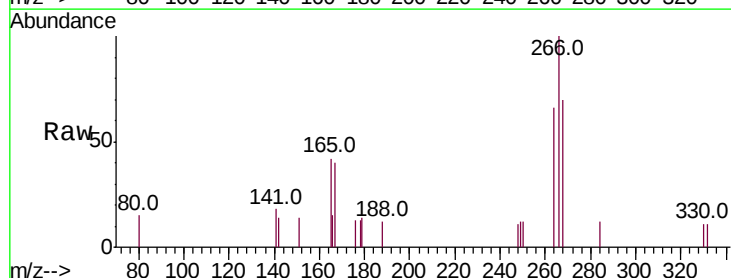
Instrument :
BNA_E
ClientSampled :

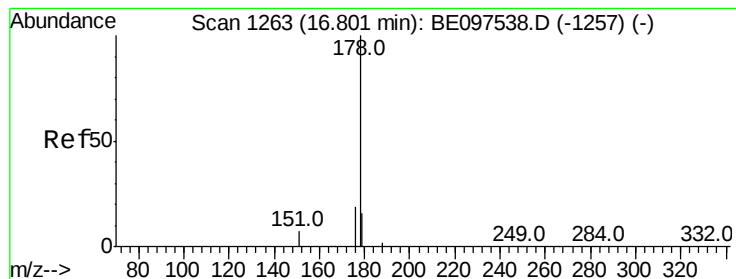
Tot Ion:284 Resp: 1198
Ion Ratio Lower Upper
284 100
142 31.1 22.1 33.1
249 28.8 34.8 52.2#



#22
Pentachlorophenol
Concen: 0.755 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

Tgt Ion:266 Resp: 820
Ion Ratio Lower Upper
266 100
264 66.4 72.5 108.7#
268 69.7 73.8 110.6#





#23

Phenanthrene

Concen: 0.465 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampled :

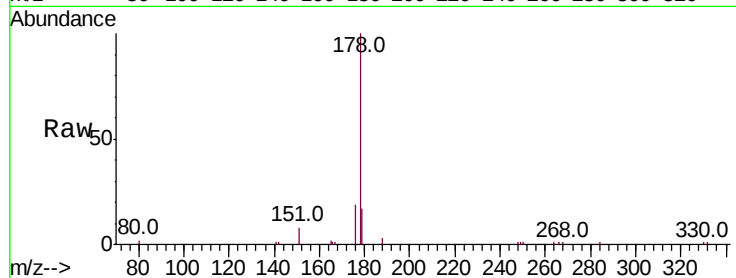
Tot Ion:178 Resp: 6509

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

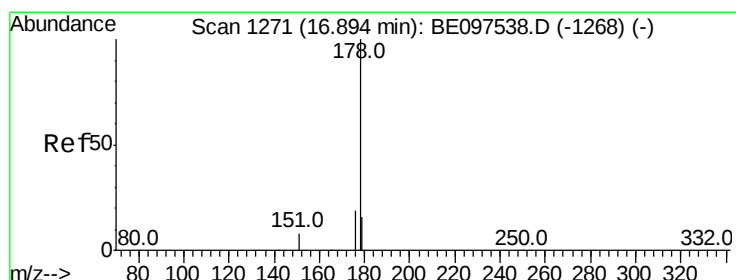
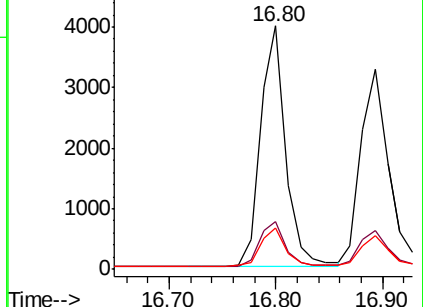
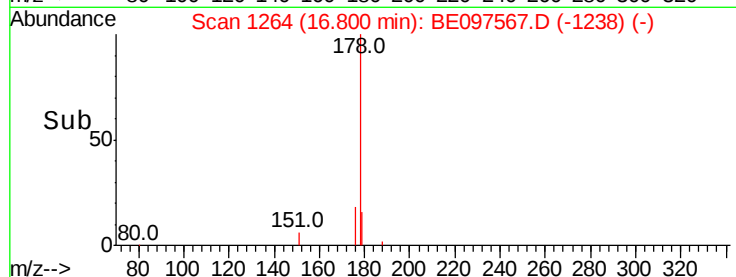
179 15.9 11.8 17.6



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: 0.468 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

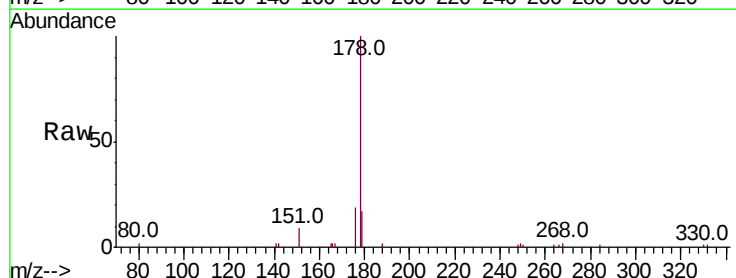
Tgt Ion:178 Resp: 5797

Ion Ratio Lower Upper

178 100

176 18.5 12.8 19.2

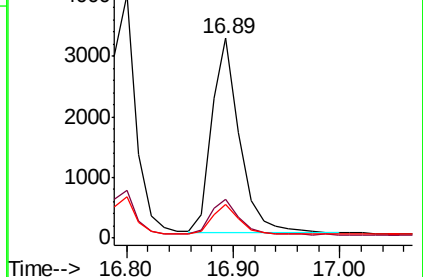
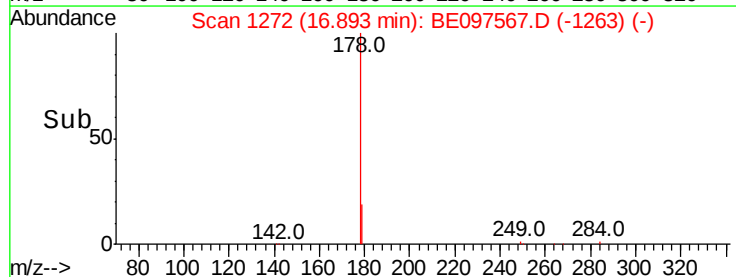
179 14.9 13.0 19.6



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: 0.411 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

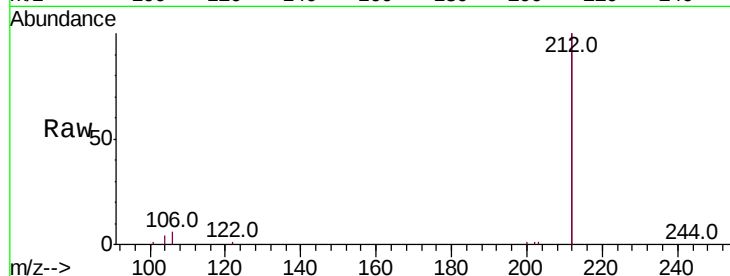
Tot Ion:212 Resp: 31023

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

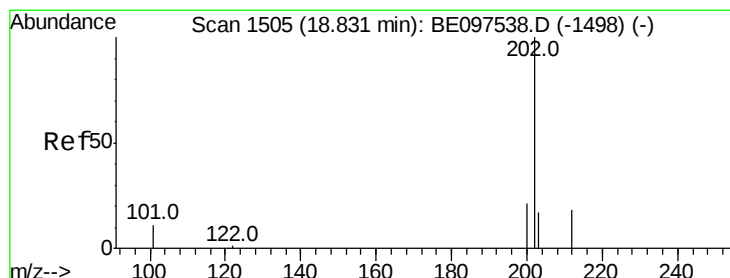
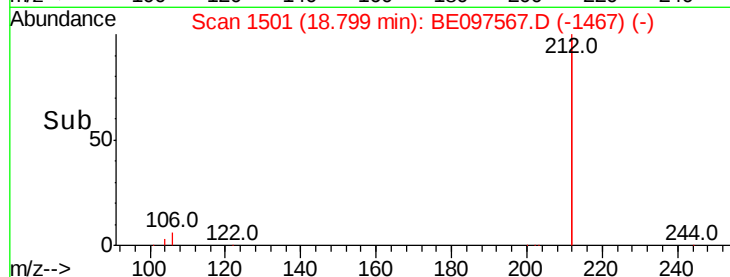
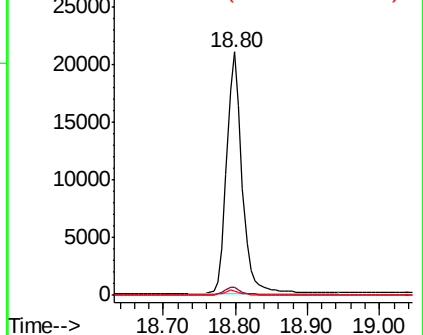
104 1.8 1.6 2.4



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: 0.475 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

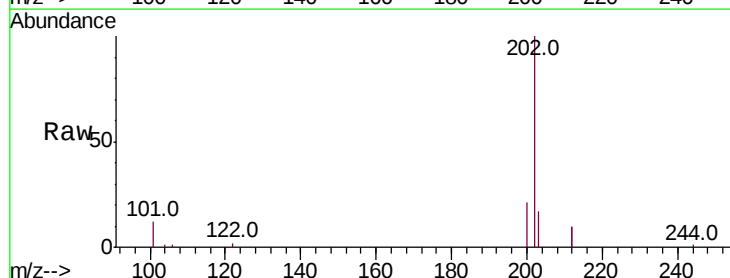
Tgt Ion:202 Resp: 9228

Ion Ratio Lower Upper

202 100

101 10.9 9.8 14.8

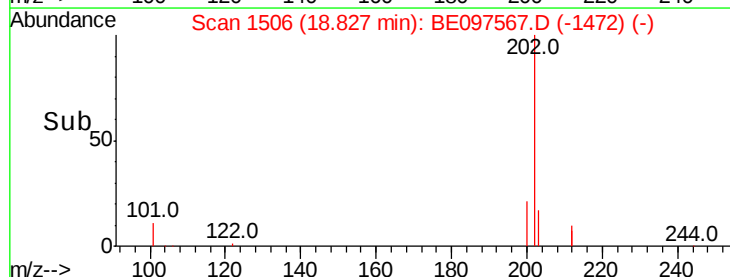
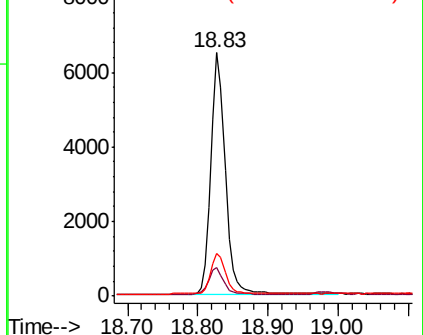
203 16.7 13.7 20.5



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

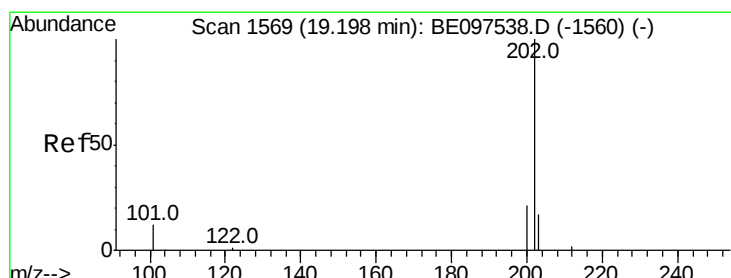
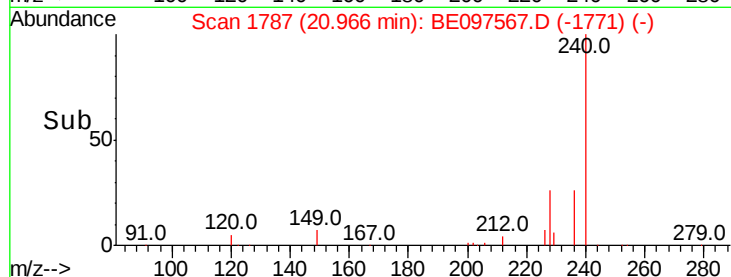
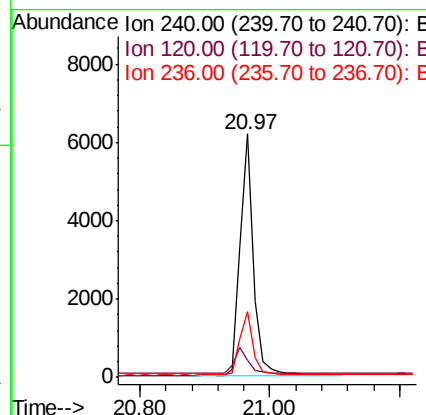
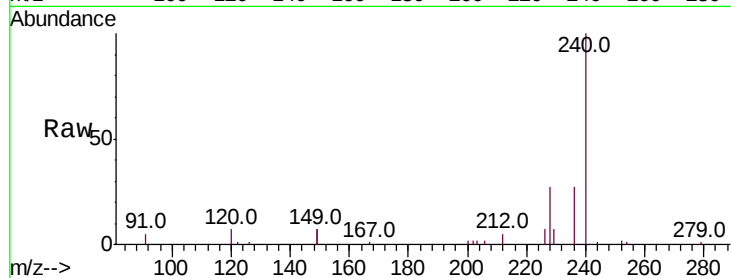




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BE097567.D
 Acq: 20 Sep 2018 8:23

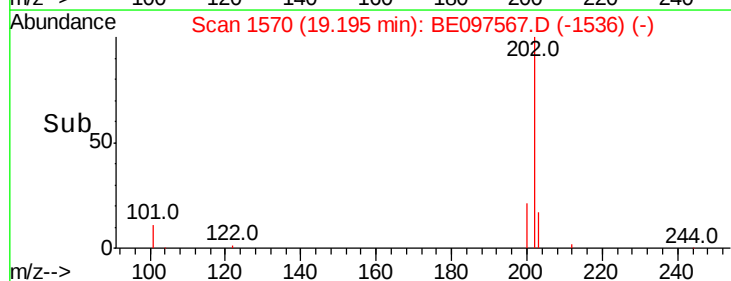
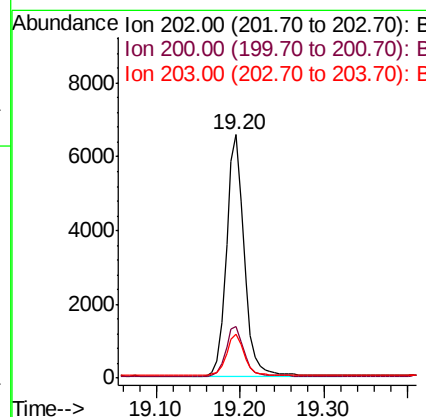
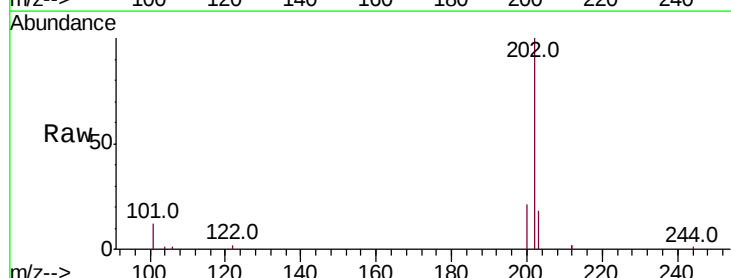
Instrument :
 BNA_E
 ClientSampleId :

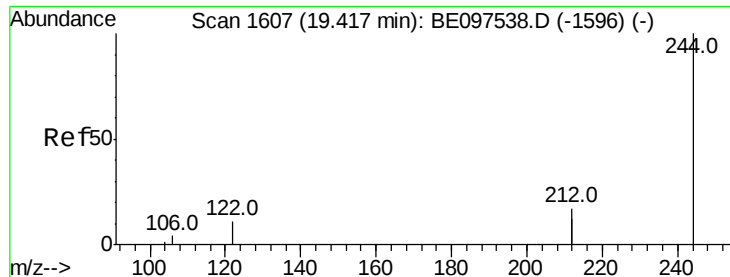
Tot Ion:240 Resp: 8945
 Ion Ratio Lower Upper
 240 100
 120 6.8 5.5 8.3
 236 27.1 20.7 31.1



#28
 Pyrene
 Concen: 0.473 ng
 RT: 19.20 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097567.D
 Acq: 20 Sep 2018 8:23

Tgt Ion:202 Resp: 9624
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 25.0
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.520 ng

RT: 19.41 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

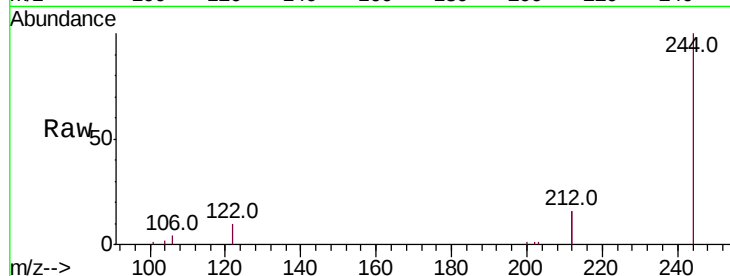
Tot Ion:244 Resp: 8521

Ion Ratio Lower Upper

244 100

212 31.5 25.4 38.0

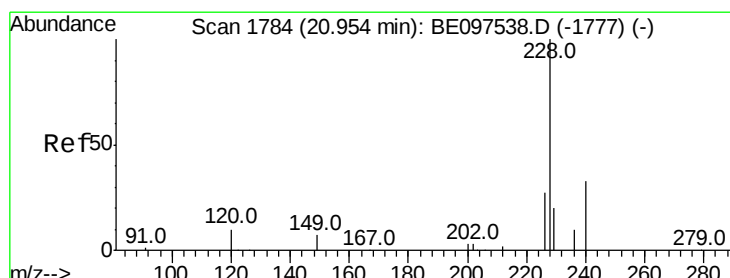
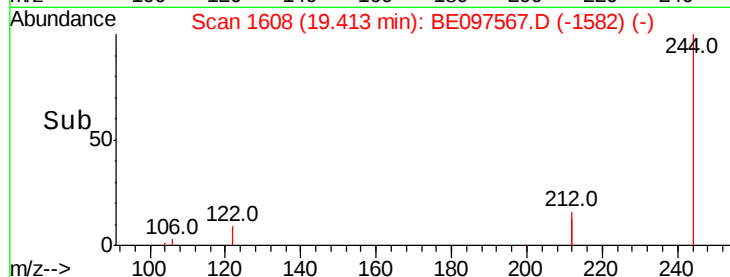
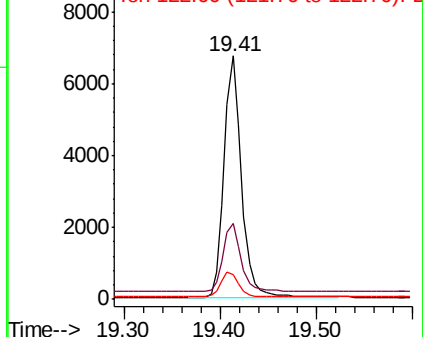
122 10.3 8.1 12.1



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: 0.479 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

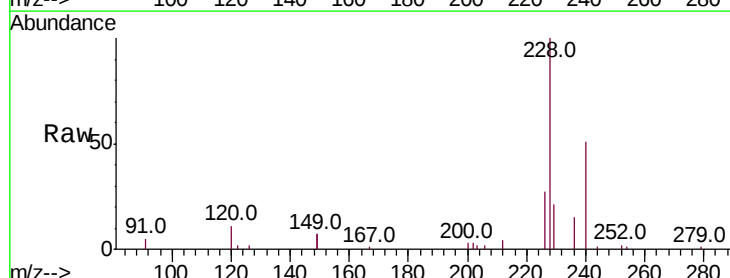
Tgt Ion:228 Resp: 10780

Ion Ratio Lower Upper

228 100

226 26.6 24.0 36.0

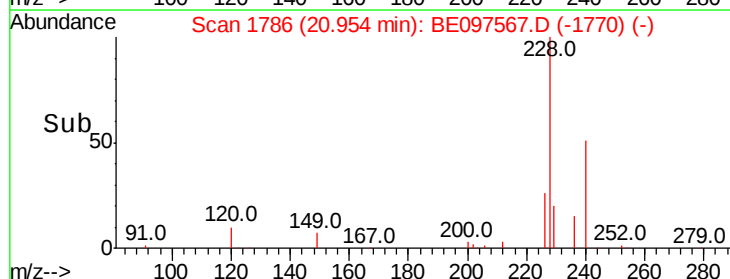
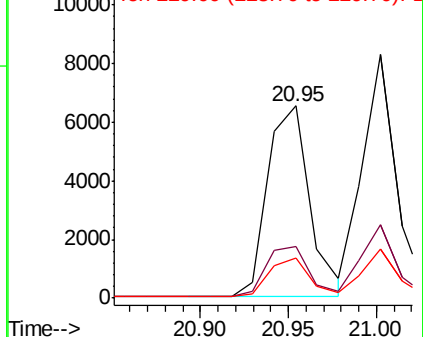
229 20.9 16.0 24.0



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: 0.450 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampled :

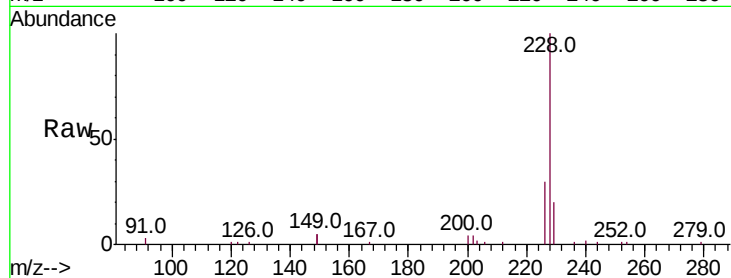
Tot Ion:228 Resp: 10860

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	20.4	16.0	24.0

228 100

226 29.9 24.0 36.0

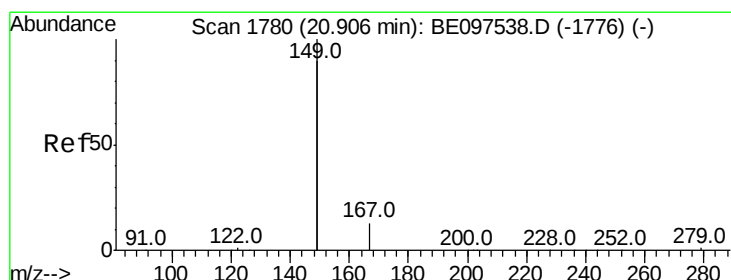
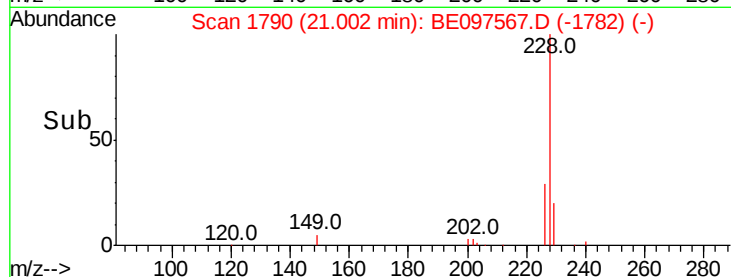
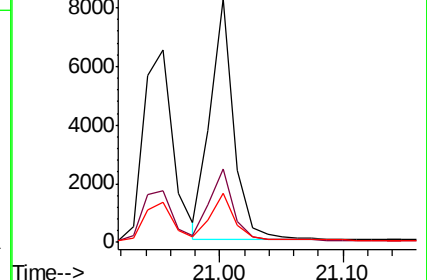
229 20.4 16.0 24.0



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: 0.602 ng

RT: 20.91 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

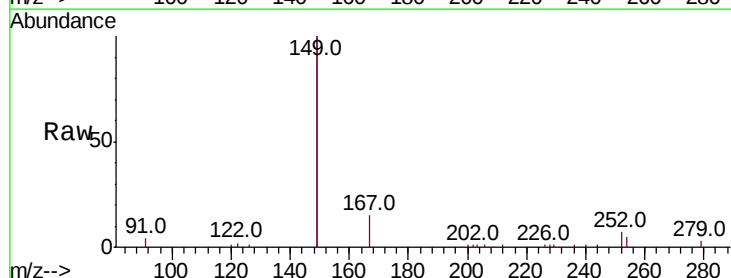
Tgt Ion:149 Resp: 22373

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

149 100

167 6.5 5.4 8.0

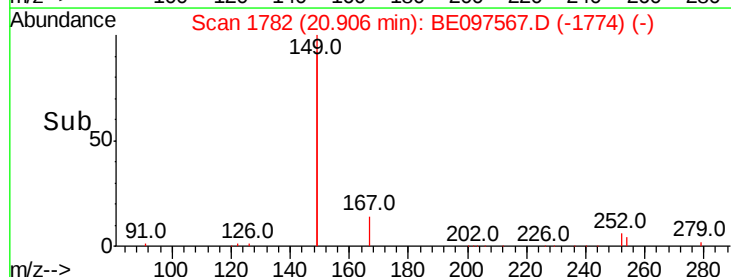
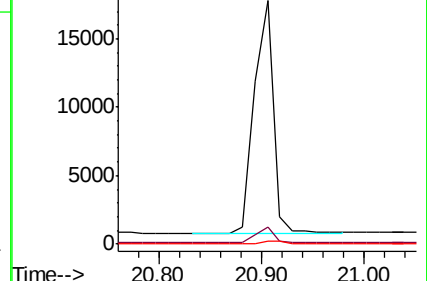
279 1.1 0.7 1.1#



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: 0.451 ng

RT: 25.49 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

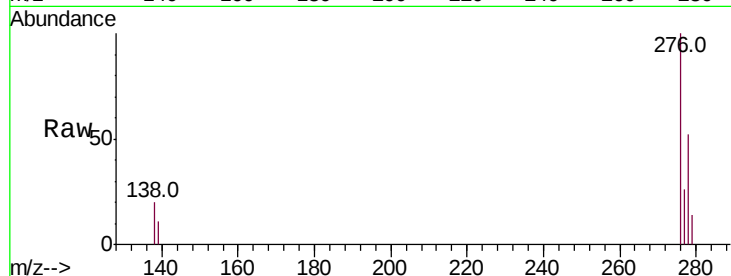
Tot Ion:276 Resp: 13132

Ion Ratio Lower Upper

276 100

138 21.4 22.5 33.7#

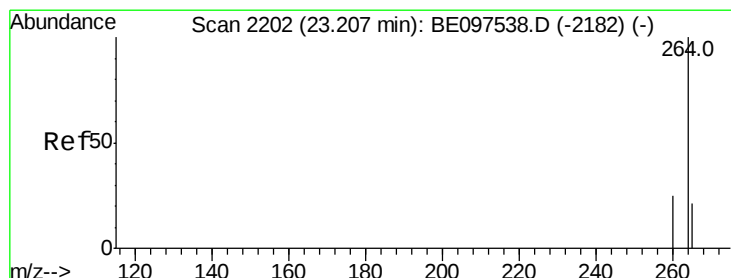
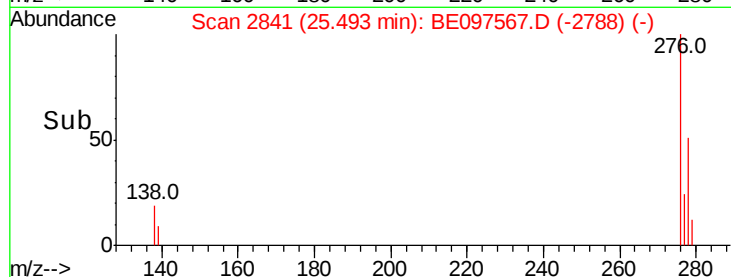
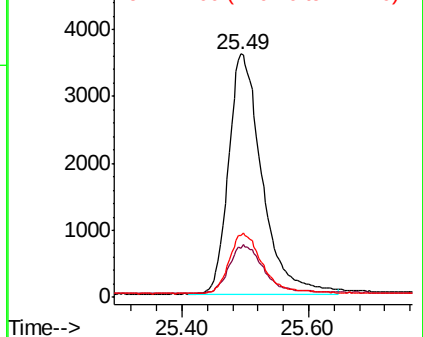
277 25.0 19.9 29.9



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: 23.20 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

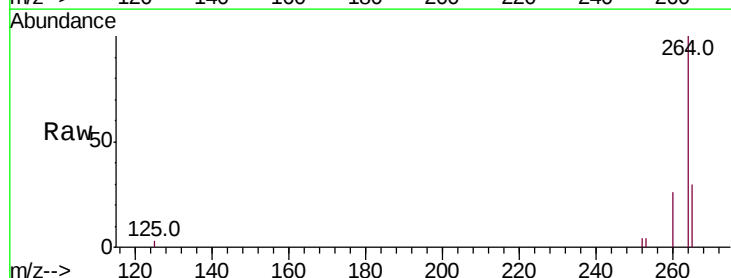
Tgt Ion:264 Resp: 8861

Ion Ratio Lower Upper

264 100

260 25.7 20.5 30.7

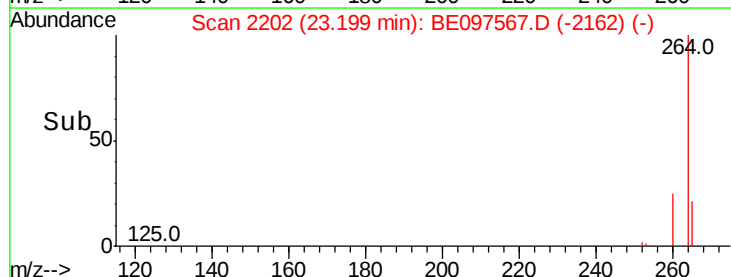
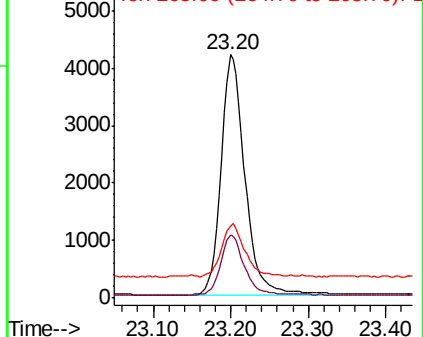
265 29.8 22.8 34.2



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

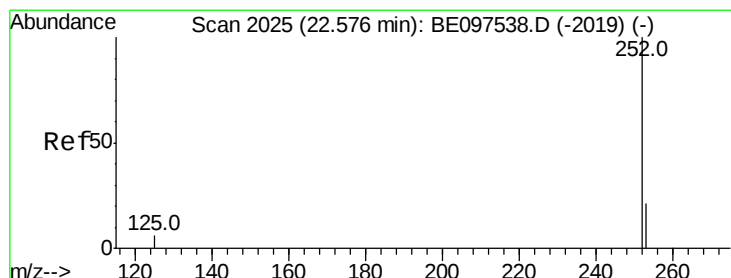
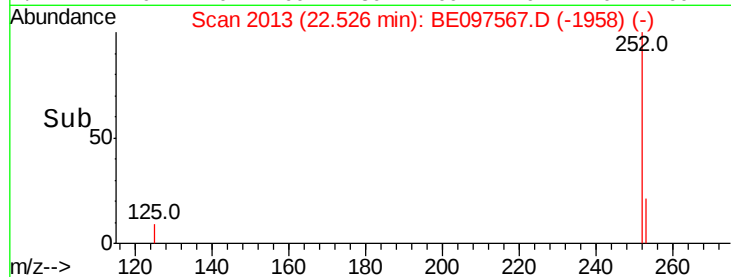
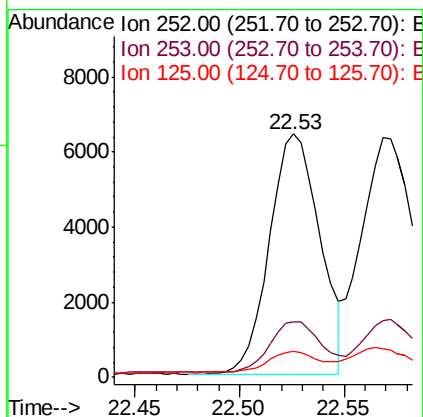
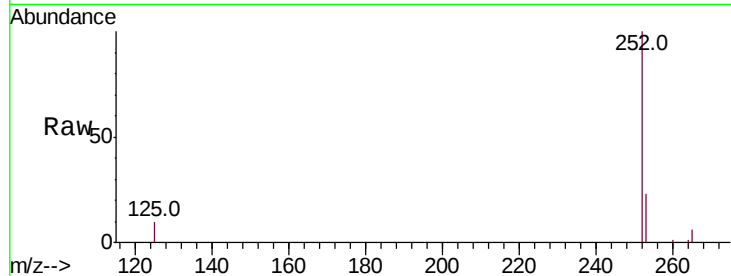




#35
Benzo(b)fluoranthene
Concen: 0.470 ng
RT: 22.53 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

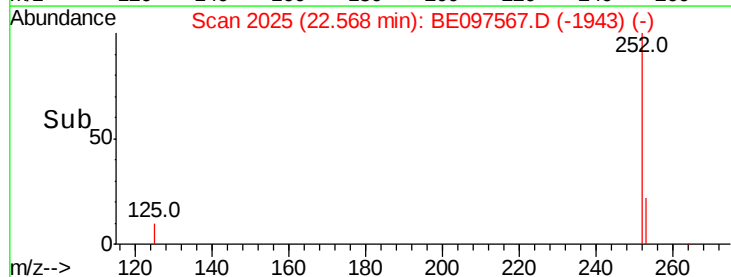
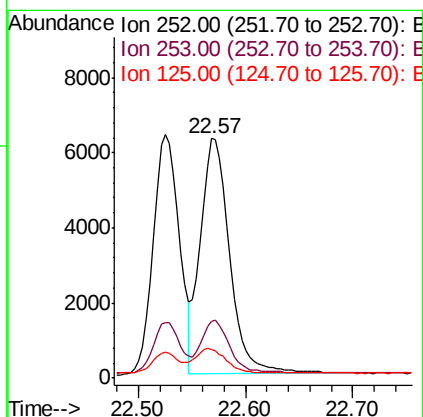
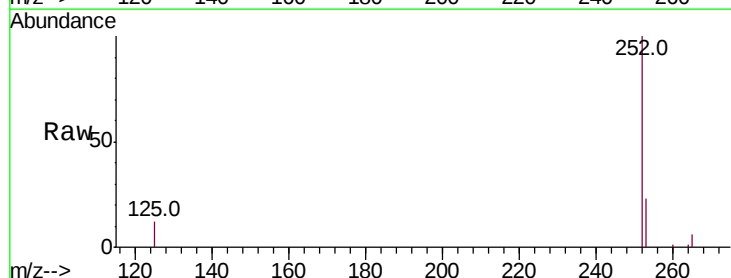
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 10688
Ion Ratio Lower Upper
252 100
253 23.0 20.0 30.0
125 10.5 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.456 ng
RT: 22.57 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BE097567.D
Acq: 20 Sep 2018 8:23

Tgt Ion:252 Resp: 11842
Ion Ratio Lower Upper
252 100
253 23.5 16.0 24.0
125 11.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.478 ng

RT: 23.10 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :

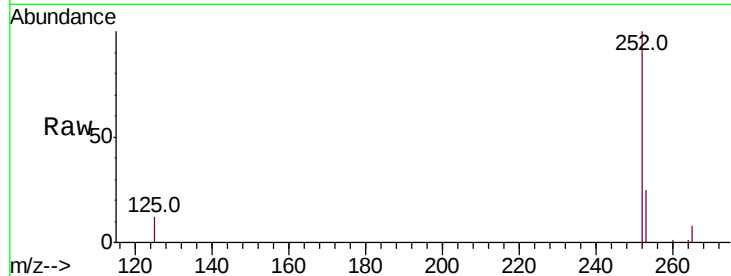
Tot Ion:252 Resp: 10601

Ion Ratio Lower Upper

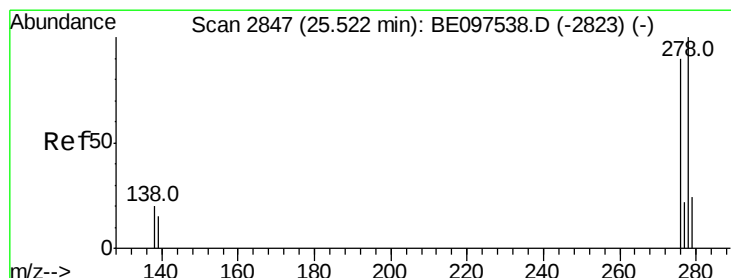
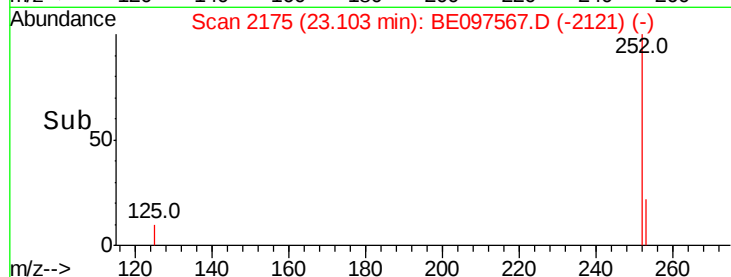
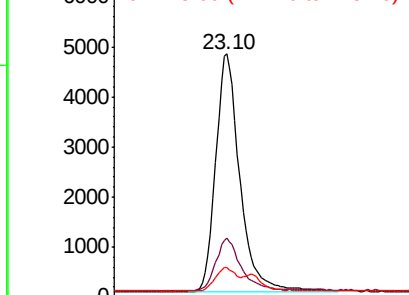
252 100

253 24.5 16.0 24.0#

125 12.1 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: 0.464 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

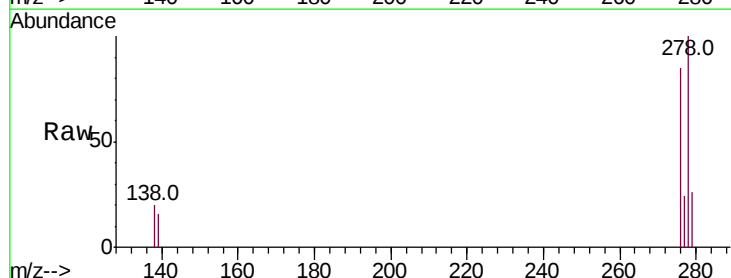
Tgt Ion:278 Resp: 11047

Ion Ratio Lower Upper

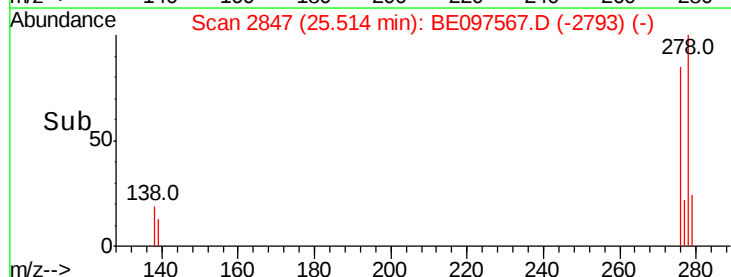
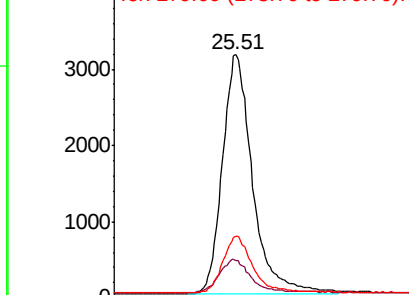
278 100

139 15.5 16.0 24.0#

279 25.7 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: 0.472 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.00 min

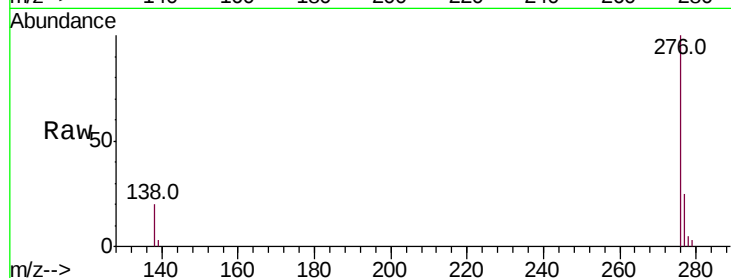
Lab File: BE097567.D

Acq: 20 Sep 2018 8:23

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 10937

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 19.5 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

