

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097547.D
 Acq On : 19 Sep 2018 19:24
 Operator : SJ/JU
 Sample : J4958-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 05:09:25 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	7.37	152	1068	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4485	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2140	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5303	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7118	0.40	ng	0.00
34) Perylene-d12	23.20	264	8603	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	560	0.17	ng	0.01
5) Phenol-d6	6.61	99	366	0.09	ng	0.01
8) Nitrobenzene-d5	8.52	82	1519	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	3186	0.52	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	372	0.45	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	4564	0.60	ng	-0.01
25) Fluoranthene-d10	18.80	212	25438	0.37	ng	0.00
29) Terphenyl-d14	19.42	244	6208	0.48	ng	0.00

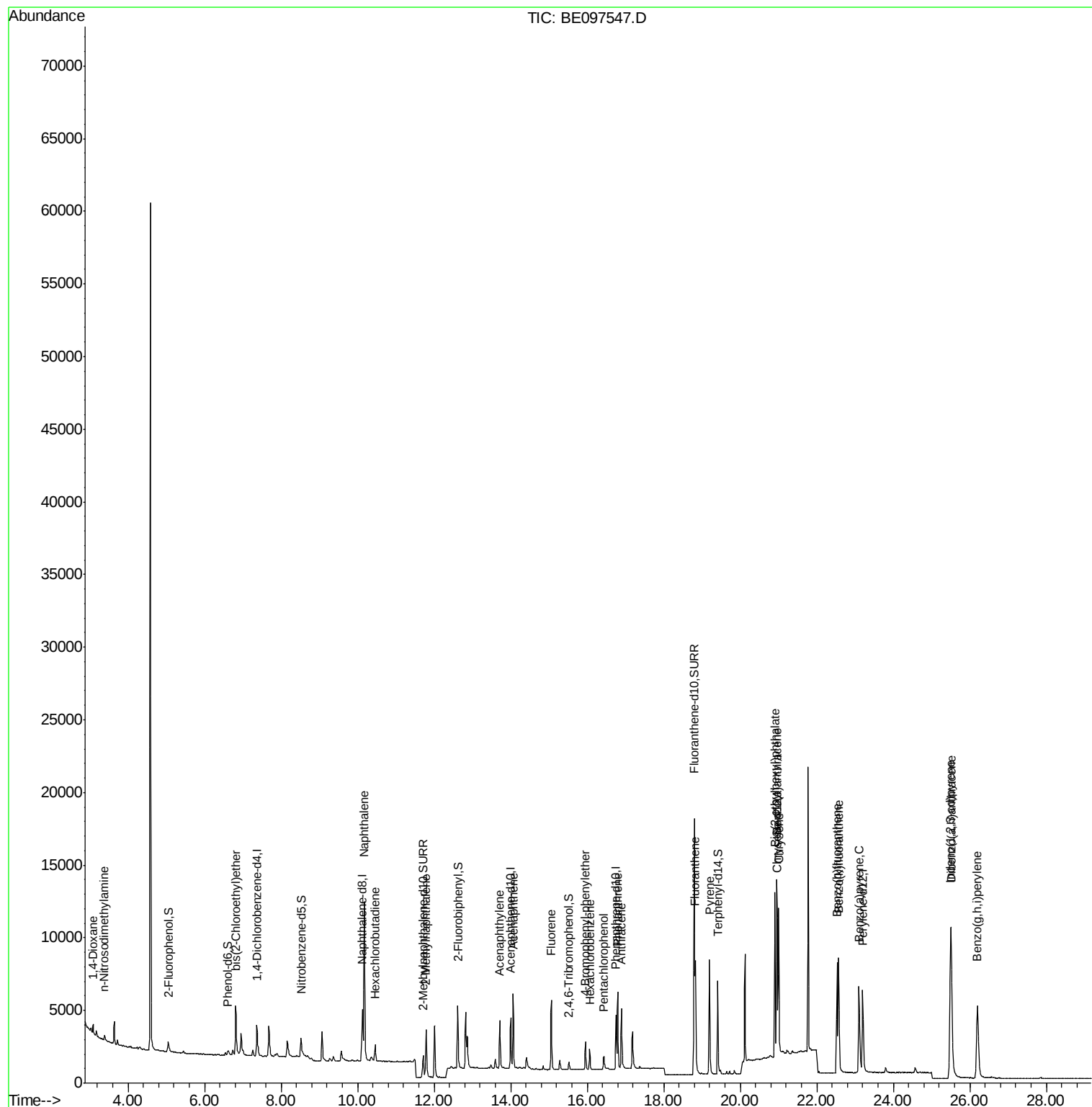
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	363	0.176	ng	# 90
3) n-Nitrosodimethylamine	3.37	42	270	0.183	ng	# 95
6) bis(2-Chloroethyl)ether	6.83	93	1575	0.415	ng	80
9) Naphthalene	10.17	128	19696	0.488	ng	99
10) Hexachlorobutadiene	10.46	225	764	0.410	ng	96
12) 2-Methylnaphthalene	11.79	142	2948	0.468	ng	99
16) Acenaphthylene	13.71	152	3886	0.459	ng	99
17) Acenaphthene	14.06	154	2642	0.466	ng	97
18) Fluorene	15.06	166	3320	0.449	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1073	0.449	ng	# 84
21) Hexachlorobenzene	16.07	284	1162	0.442	ng	# 85
22) Pentachlorophenol	16.44	266	670	0.698	ng	# 76
23) Phenanthrene	16.80	178	6044	0.480	ng	99
24) Anthracene	16.89	178	5198	0.467	ng	96
26) Fluoranthene	18.83	202	7820	0.448	ng	98
28) Pyrene	19.19	202	7971	0.492	ng	99
30) Benzo(a)anthracene	20.96	228	8632	0.482	ng	95
31) Chrysene	21.00	228	9060	0.471	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	12963	0.441	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.49	276	15740	0.680	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	10101	0.458	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	11191	0.444	ng	94
37) Benzo(a)pyrene	23.11	252	10359	0.481	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	13130	0.568	ng	# 94
39) Benzo(g,h,i)perylene	26.20	276	13094	0.582	ng	# 88

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

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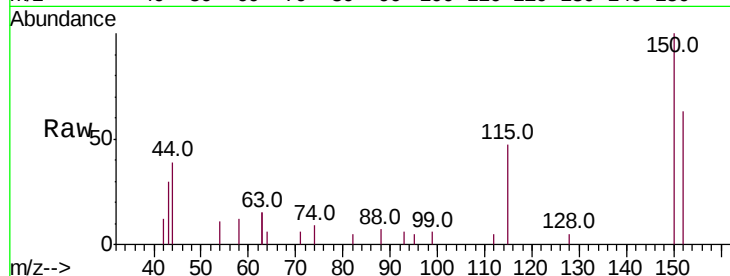


#1

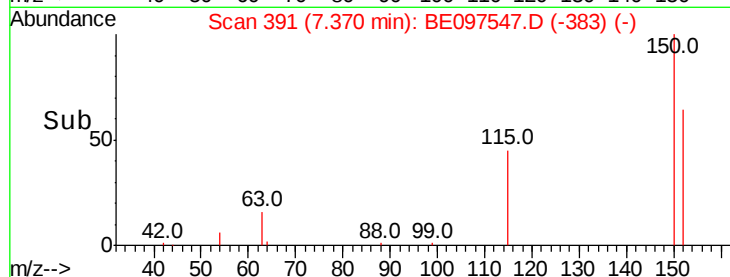
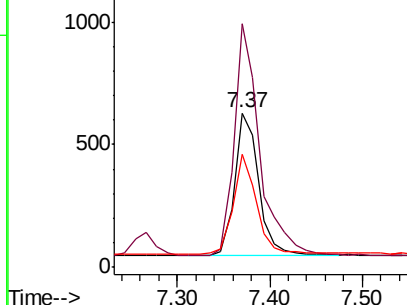
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097547.D
Acq: 19 Sep 2018 19:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1068
Ion Ratio Lower Upper
152 100
150 157.7 117.2 175.8
115 73.4 57.0 85.6



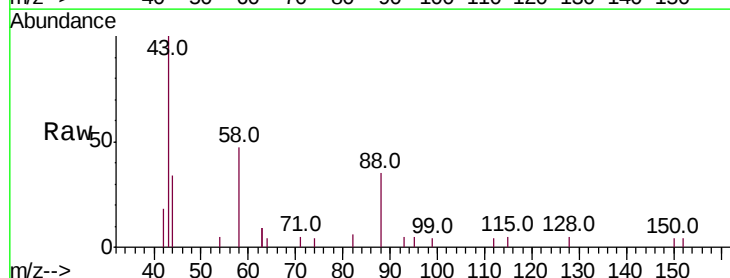
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



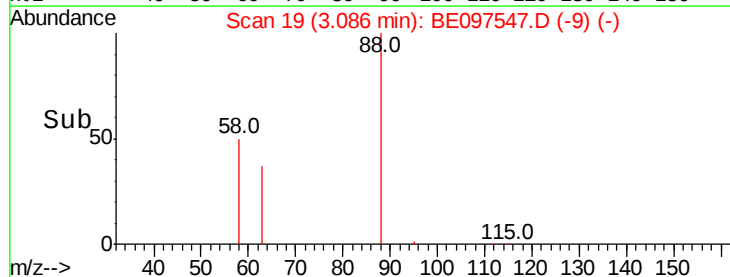
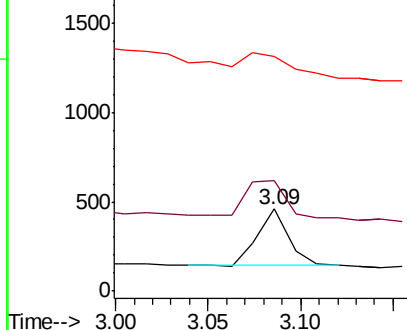
#2

1,4-Dioxane
Concen: 0.176 ng
RT: 3.09 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097547.D
Acq: 19 Sep 2018 19:24

Tgt Ion: 88 Resp: 363
Ion Ratio Lower Upper
88 100
58 84.6 63.2 94.8
43 63.1 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: 0.183 ng

RT: 3.37 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

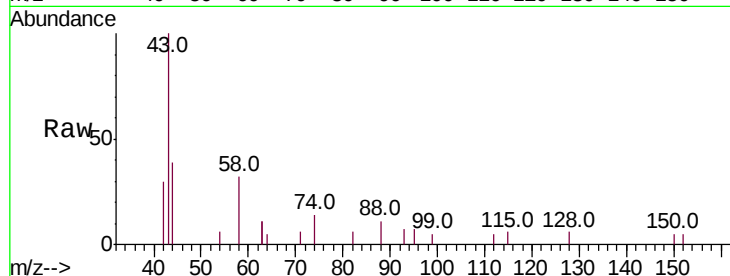
Tot Ion: 42 Resp: 270

Ion Ratio Lower Upper

42 100

74 123.0 96.0 144.0

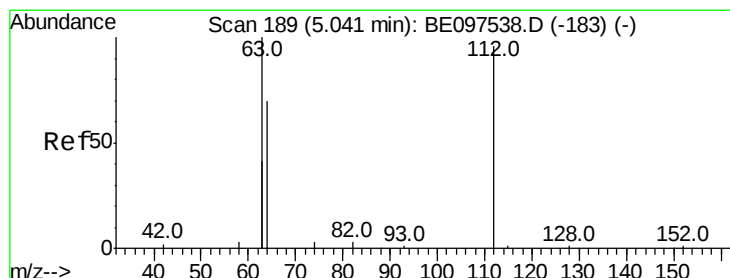
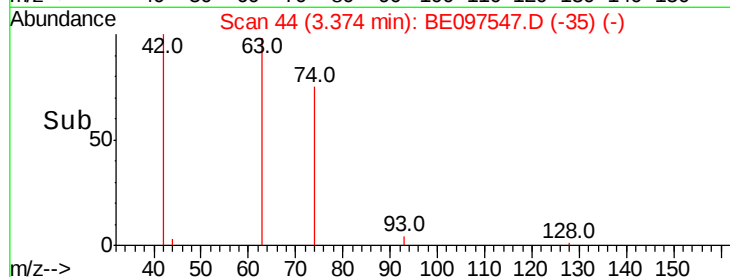
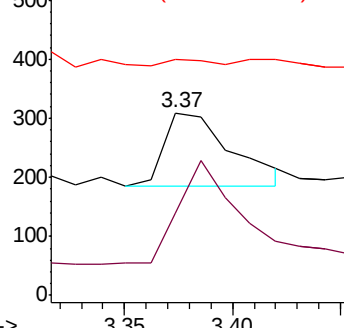
44 5.2 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.175 ng

RT: 5.06 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

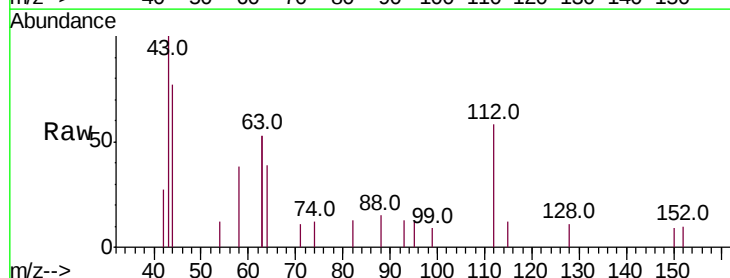
Tgt Ion: 112 Resp: 560

Ion Ratio Lower Upper

112 100

64 68.8 60.1 90.1

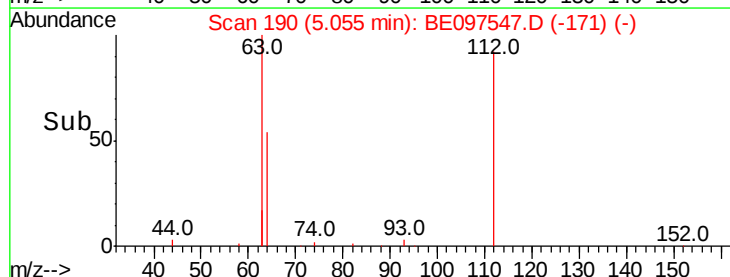
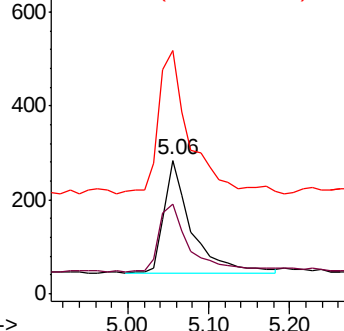
63 144.3 116.8 175.2

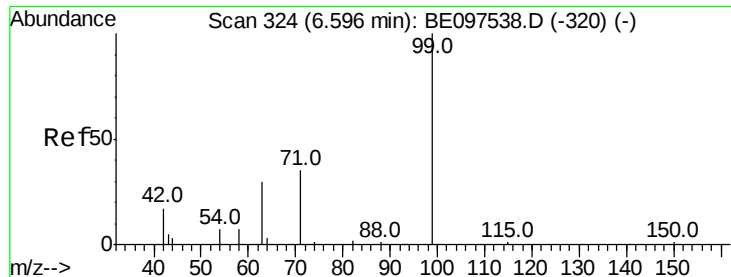


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.089 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampled :

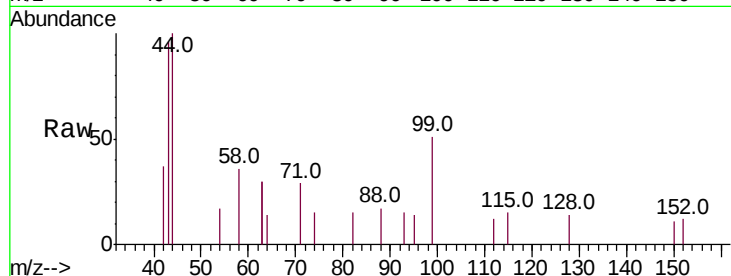
Tot Ion: 99 Resp: 366

Ion Ratio Lower Upper

99 100

42 20.5 20.2 30.2

71 32.8 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

6.61

200

150

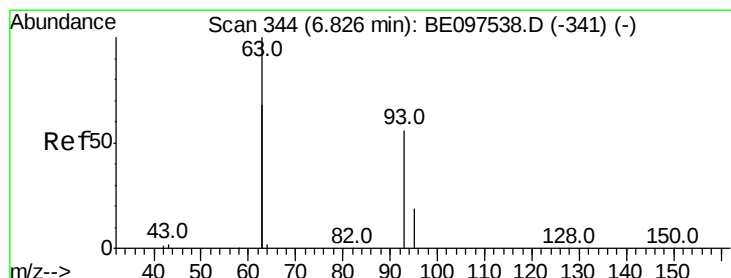
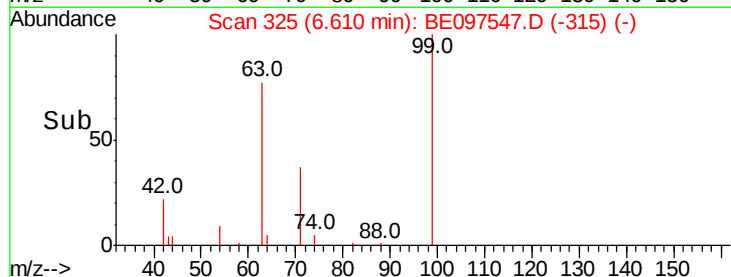
100

50

0

6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.415 ng

RT: 6.83 min Scan# 344

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

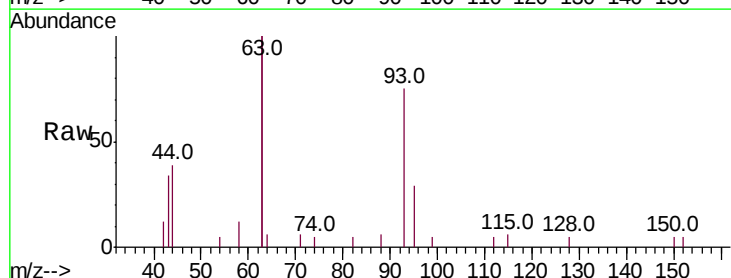
Tgt Ion: 93 Resp: 1575

Ion Ratio Lower Upper

93 100

63 297.4 275.3 412.9

95 31.6 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

3000

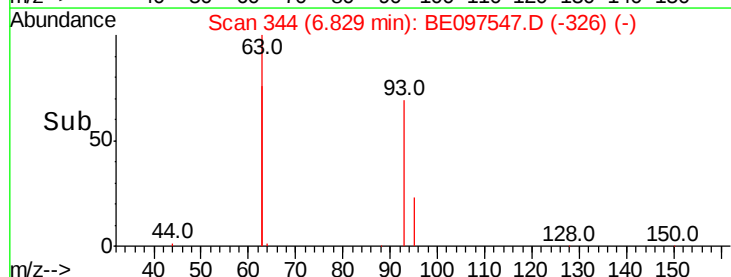
2000

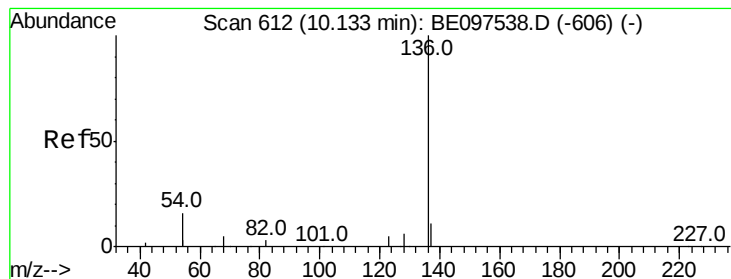
1000

0

6.70 6.80 6.90 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4485

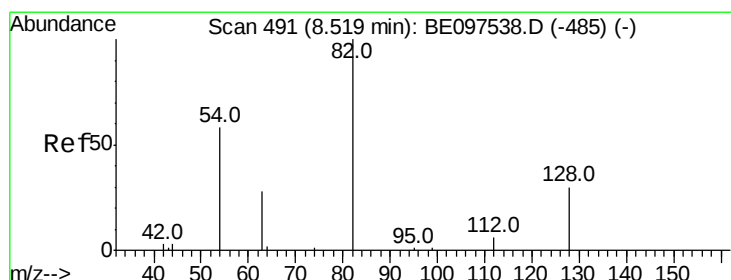
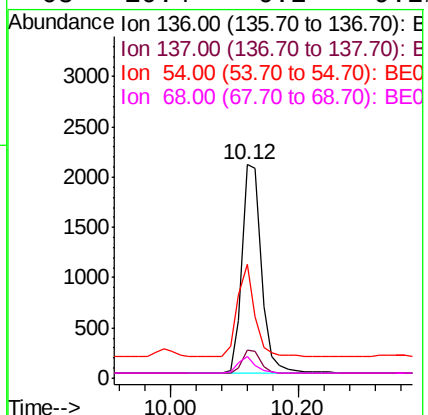
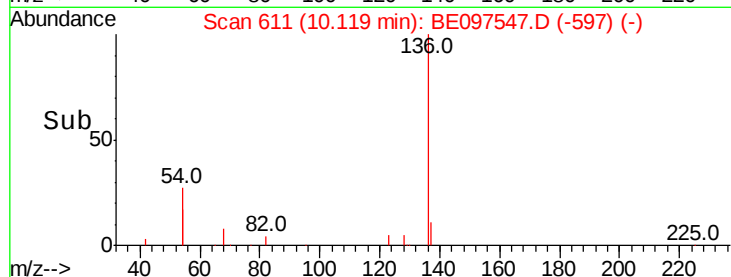
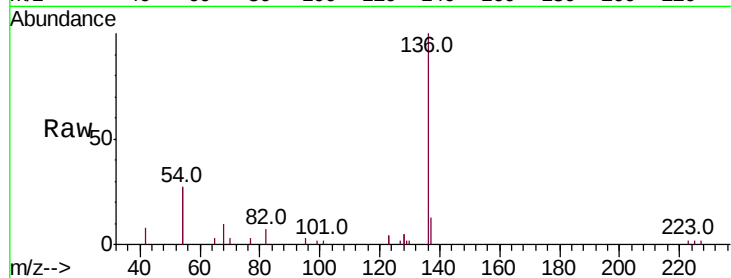
Ion Ratio Lower Upper

136 100

137 12.9 9.5 14.3

54 53.6 29.1 43.7#

68 10.4 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.438 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

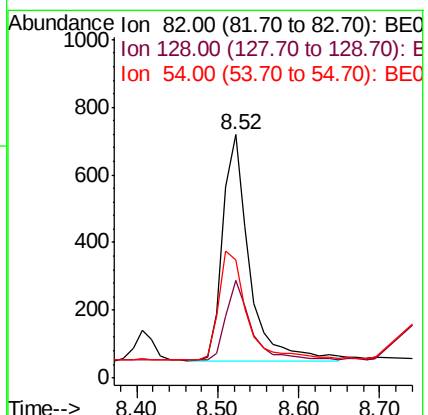
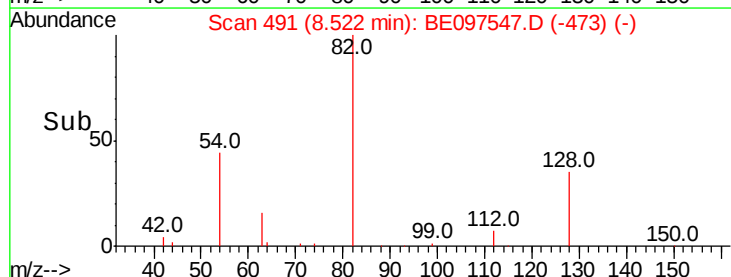
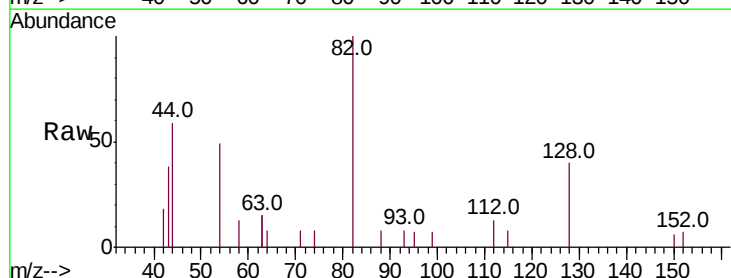
Tgt Ion: 82 Resp: 1519

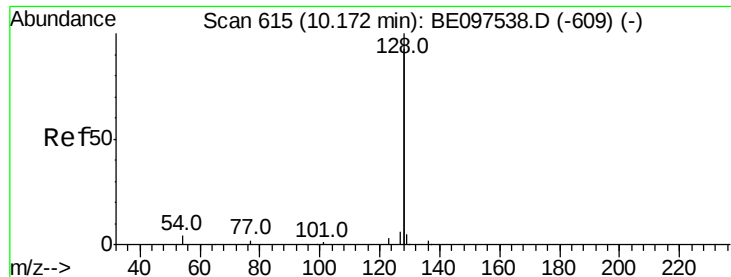
Ion Ratio Lower Upper

82 100

128 39.9 24.0 36.0#

54 48.7 40.0 60.0





#9

Naphthalene

Concen: 0.488 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampled :

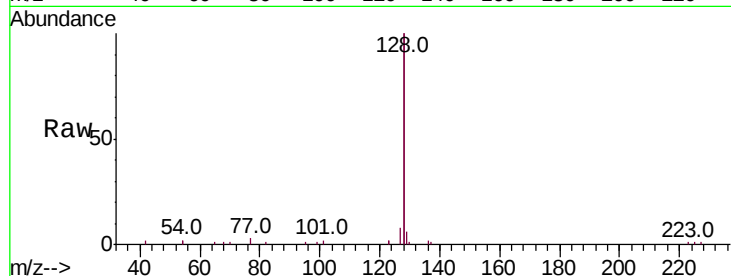
Tot Ion:128 Resp: 19696

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

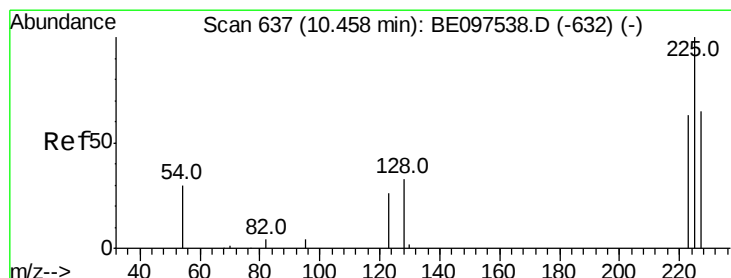
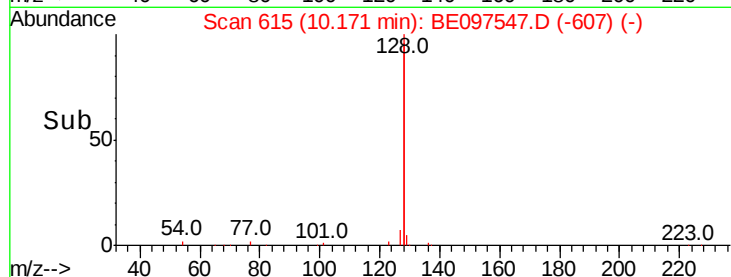
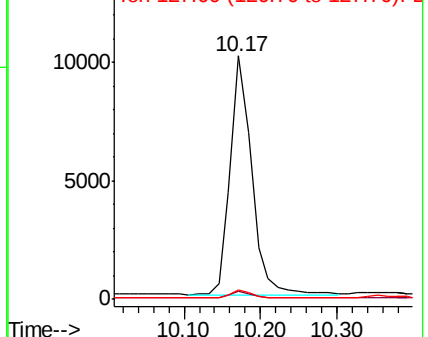
127 3.8 2.8 4.2



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: 0.410 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

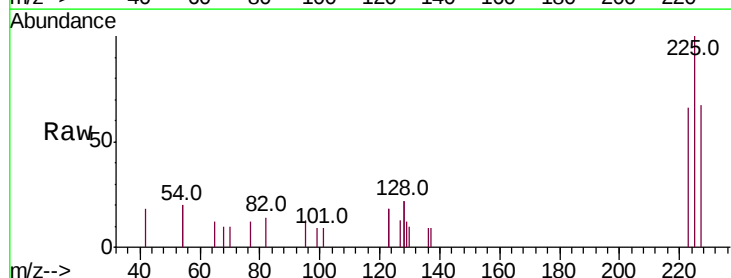
Tgt Ion:225 Resp: 764

Ion Ratio Lower Upper

225 100

223 60.9 53.0 79.6

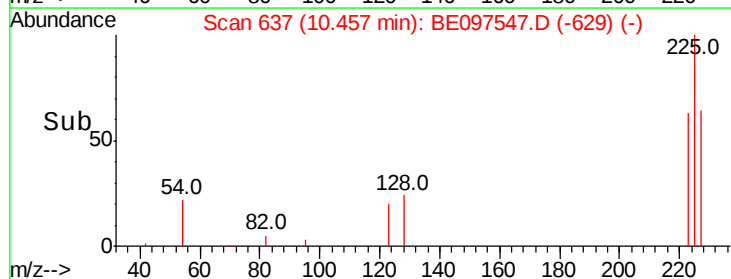
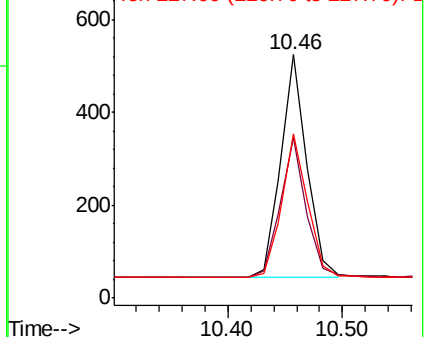
227 64.5 51.4 77.2

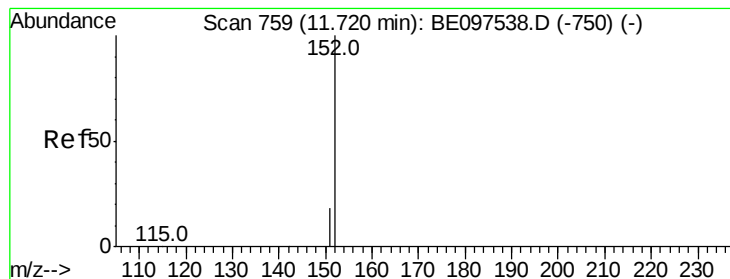


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.515 ng

RT: 11.71 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

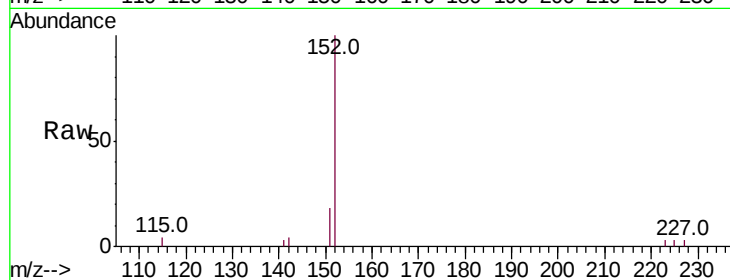
ClientSampleId :

Tot Ion:152 Resp: 3186

Ion Ratio Lower Upper

152 100

151 14.4 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.71

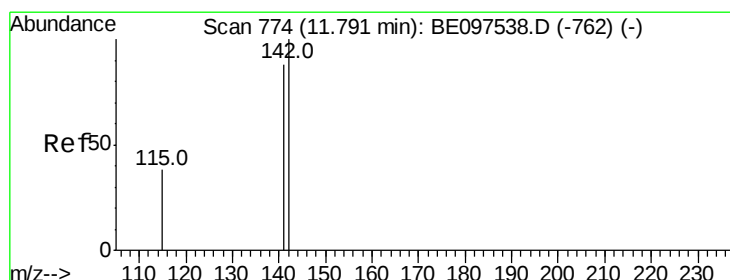
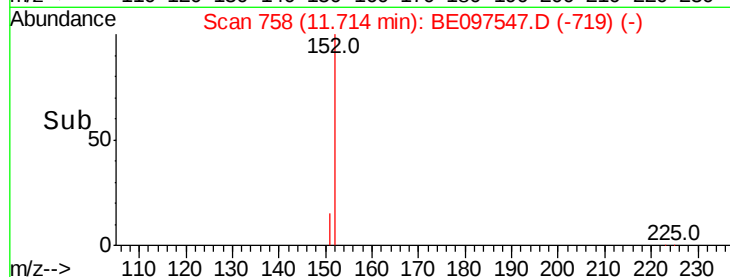
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.468 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

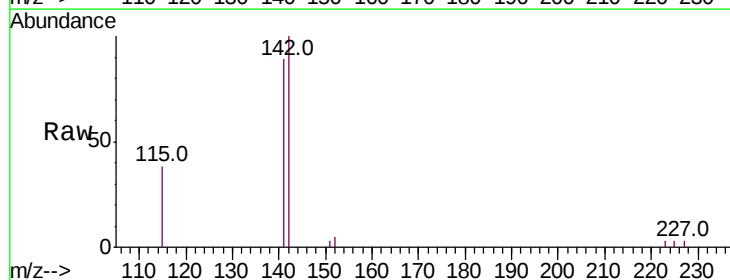
Tgt Ion:142 Resp: 2948

Ion Ratio Lower Upper

142 100

141 89.0 70.4 105.6

115 38.5 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

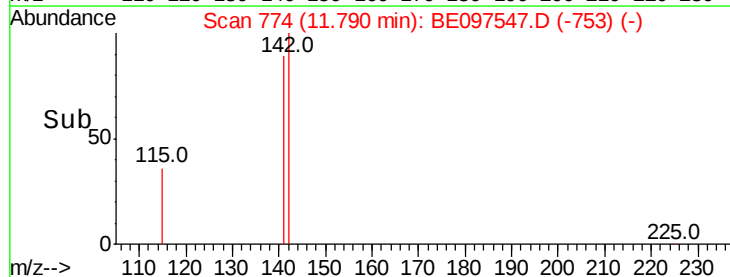
1500

1000

500

0

Time--> 11.70 11.80

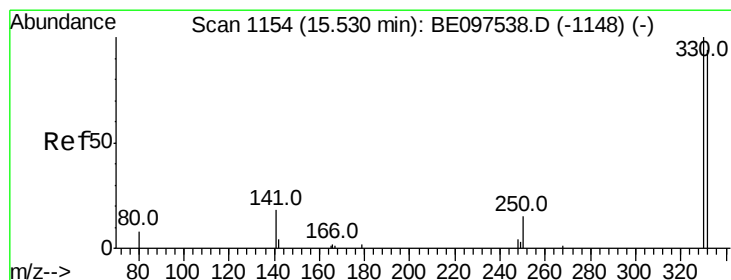
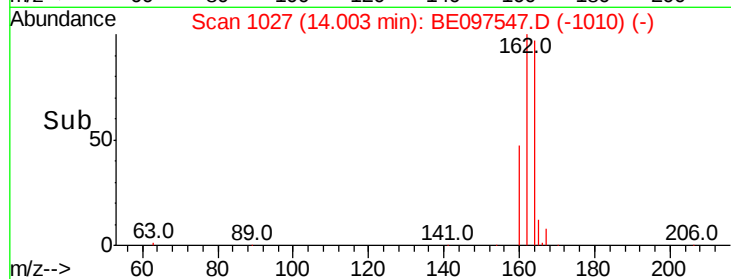
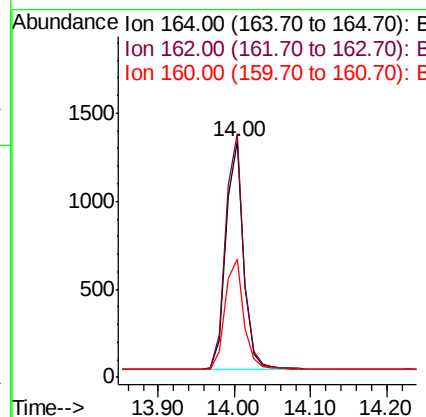
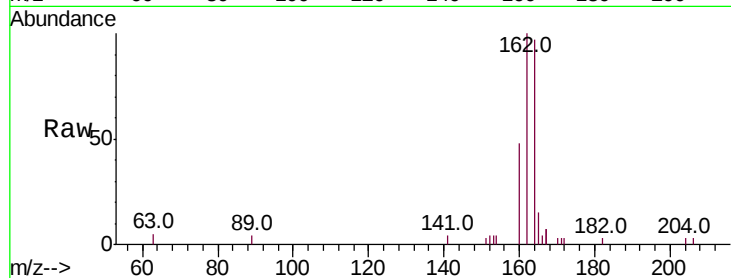




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE097547.D
 Acq: 19 Sep 2018 19:24

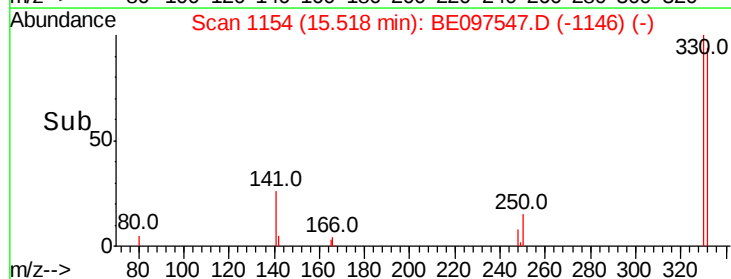
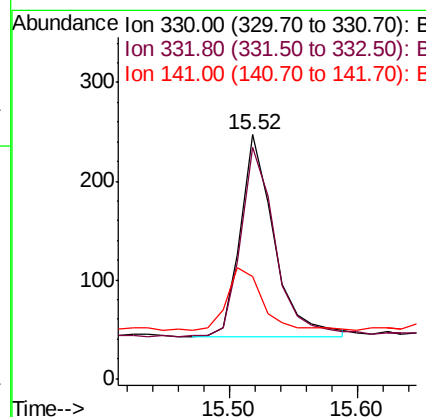
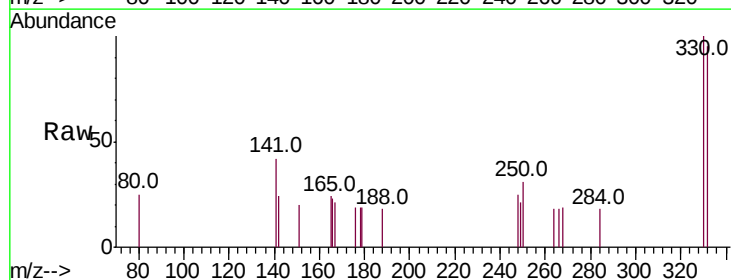
Instrument :
 BNA_E
 ClientSampleId :

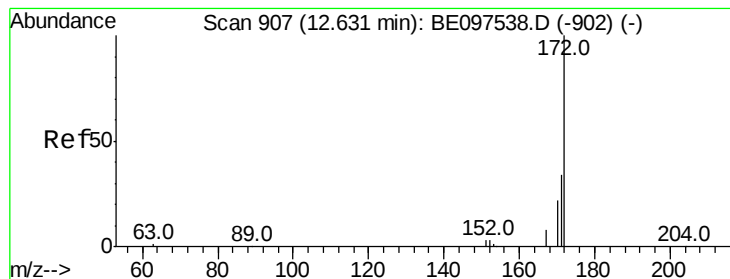
Tot Ion:164 Resp: 2140
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.1 124.7
 160 50.0 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.449 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BE097547.D
 Acq: 19 Sep 2018 19:24

Tgt Ion:330 Resp: 372
 Ion Ratio Lower Upper
 330 100
 332 96.2 152.7 229.1#
 141 33.1 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.604 ng

RT: 12.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

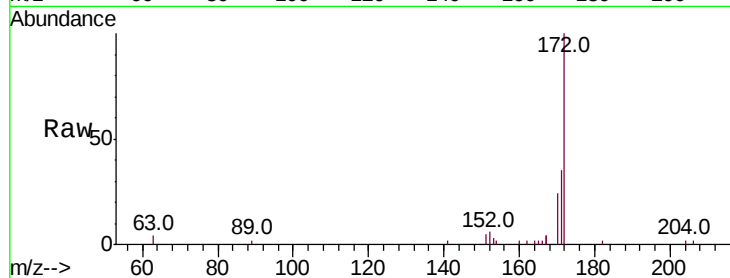
Tot Ion:172 Resp: 4564

Ion Ratio Lower Upper

172 100

171 34.9 29.9 44.9

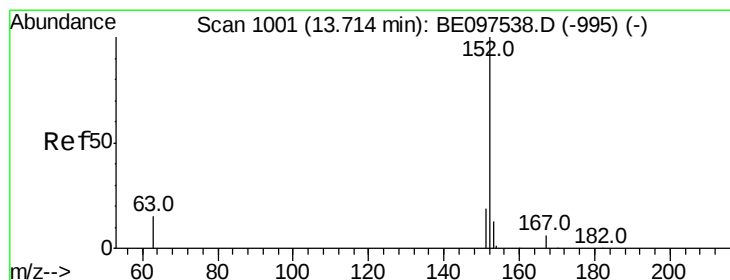
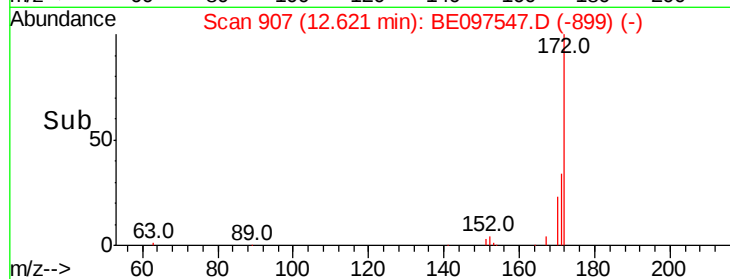
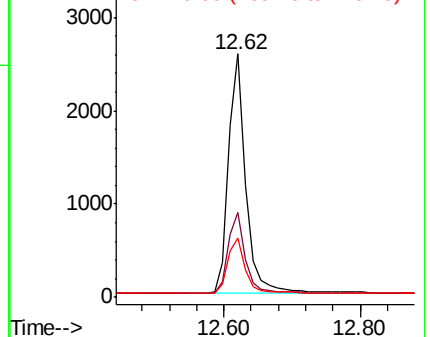
170 24.2 21.8 32.8



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: 0.459 ng

RT: 13.71 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

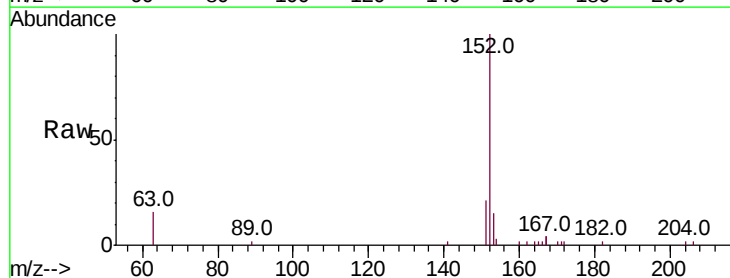
Tgt Ion:152 Resp: 3886

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

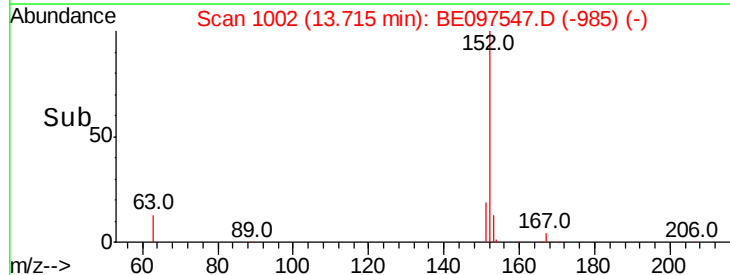
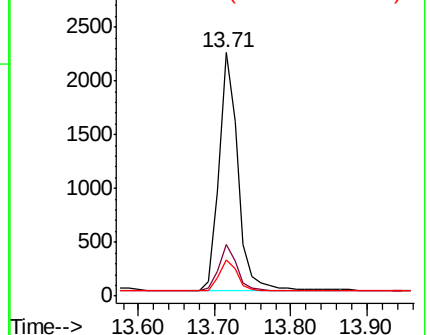
153 13.3 10.5 15.7



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: 0.466 ng

RT: 14.06 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

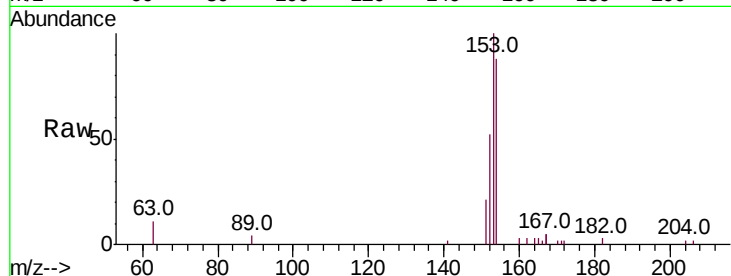
Tot Ion:154 Resp: 2642

Ion Ratio Lower Upper

154 100

153 113.3 89.2 133.8

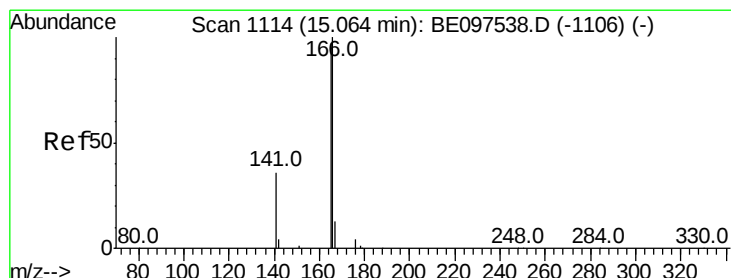
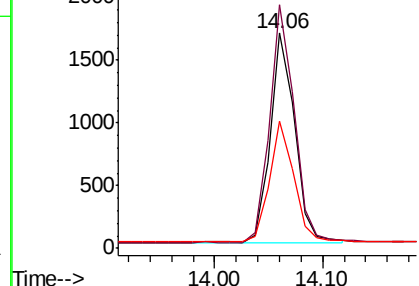
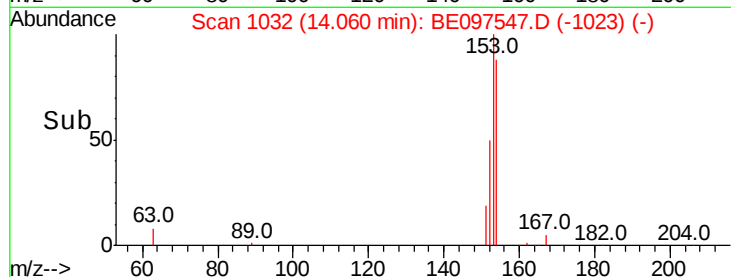
152 56.9 42.0 63.0



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: 0.449 ng

RT: 15.06 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

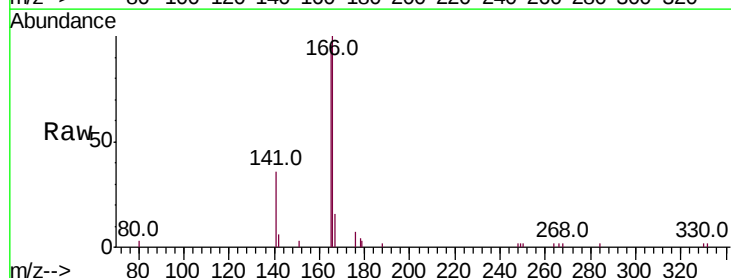
Tgt Ion:166 Resp: 3320

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

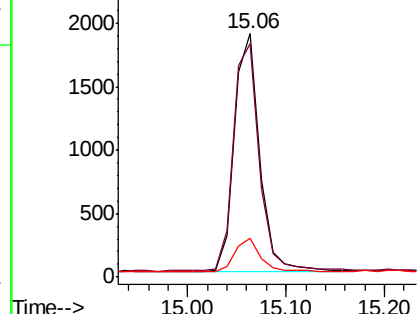
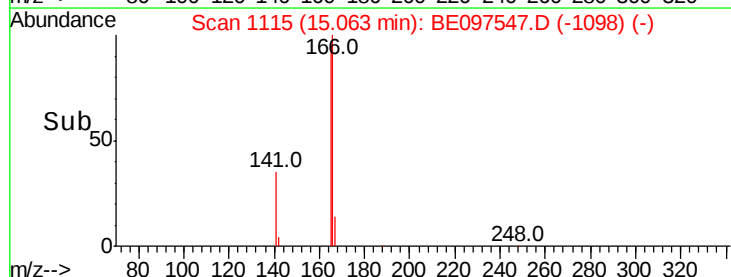
167 13.8 42.4 63.6#



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: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

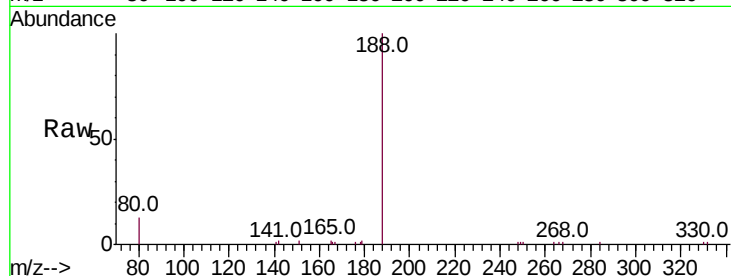
Tot Ion:188 Resp: 5303

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

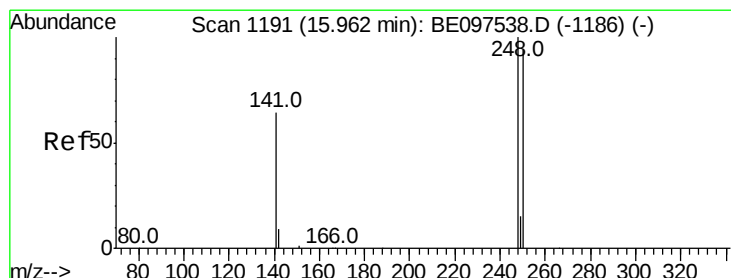
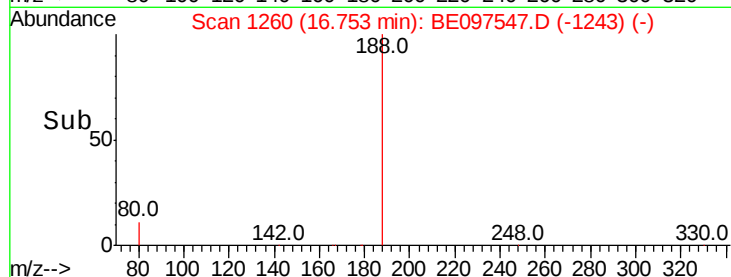
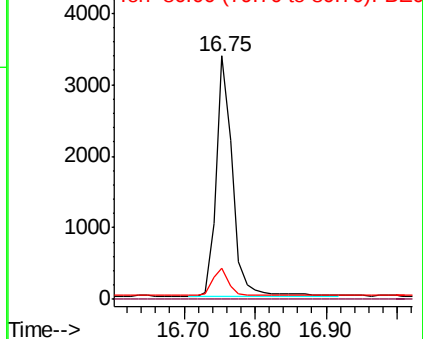
80 12.7 3.6 5.4#



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: 0.449 ng

RT: 15.96 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

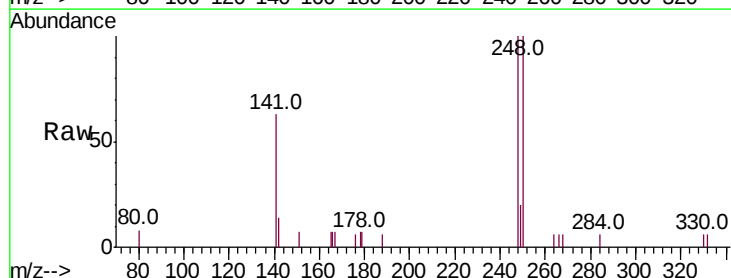
Tgt Ion:248 Resp: 1073

Ion Ratio Lower Upper

248 100

250 100.3 62.7 94.1#

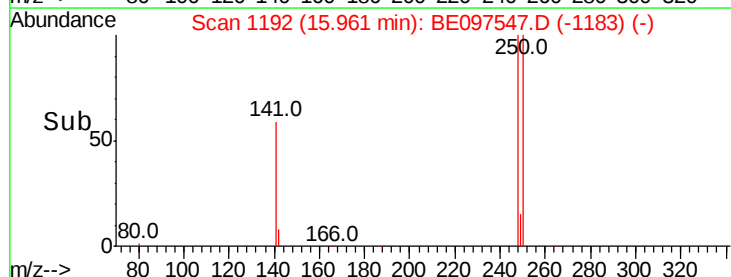
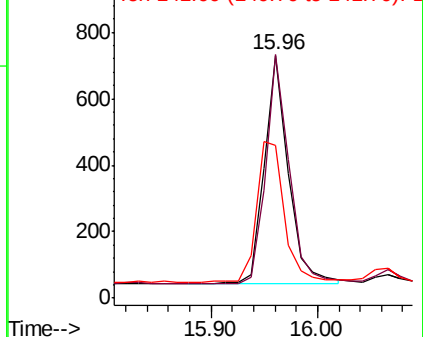
141 62.8 48.2 72.2

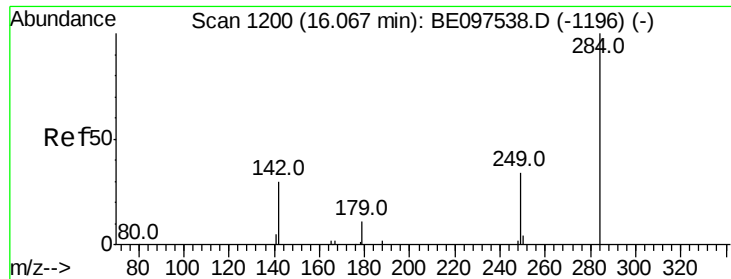


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.442 ng

RT: 16.07 min Scan# 1201

Delta R.T. -0.00 min

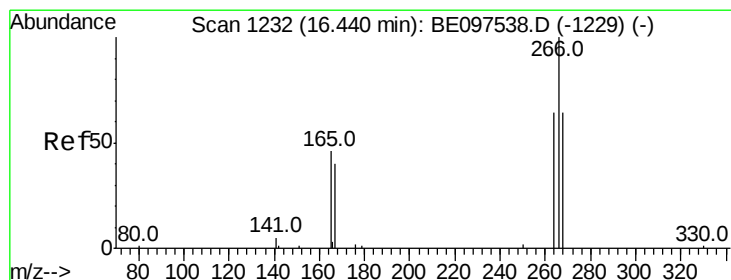
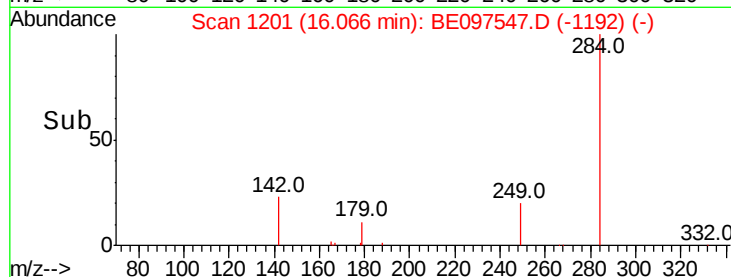
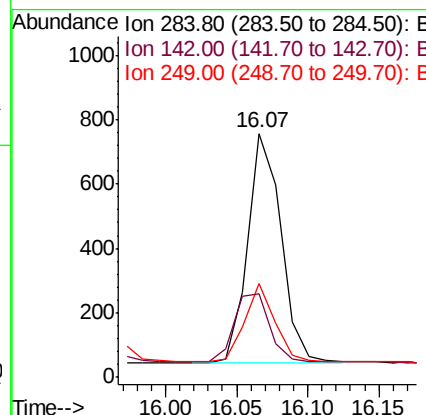
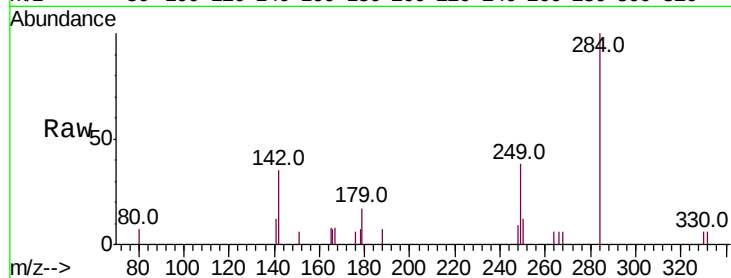
Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 1162

Ion	Ratio	Lower	Upper
284	100		
142	31.5	22.1	33.1
249	30.7	34.8	52.2#



#22

Pentachlorophenol

Concen: 0.698 ng

RT: 16.44 min Scan# 1233

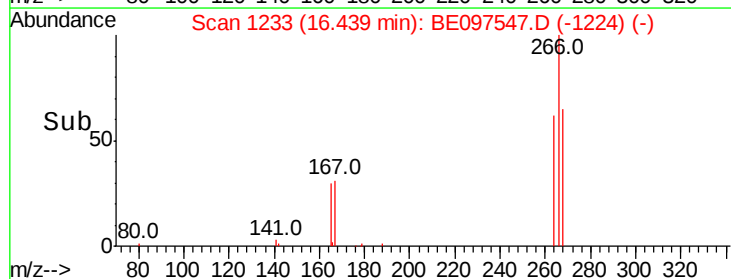
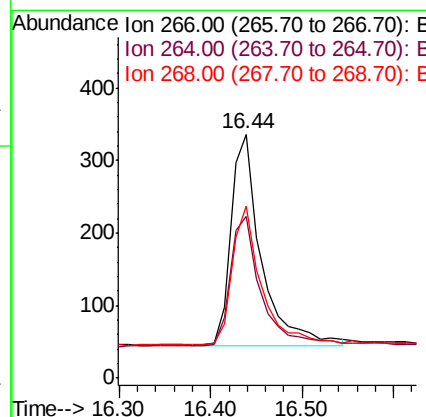
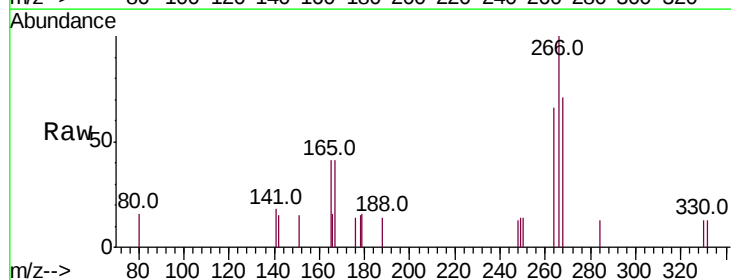
Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Tgt Ion:266 Resp: 670

Ion	Ratio	Lower	Upper
266	100		
264	66.4	72.5	108.7#
268	70.5	73.8	110.6#





#23

Phenanthrene

Concen: 0.480 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

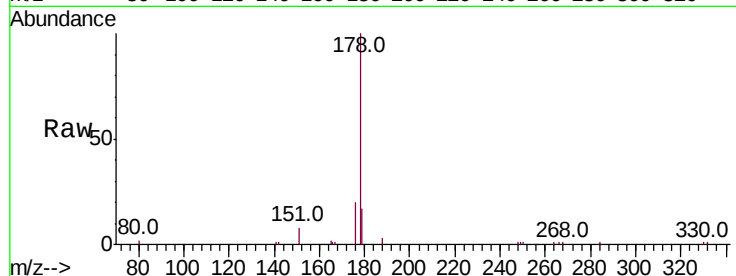
Tot Ion:178 Resp: 6044

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

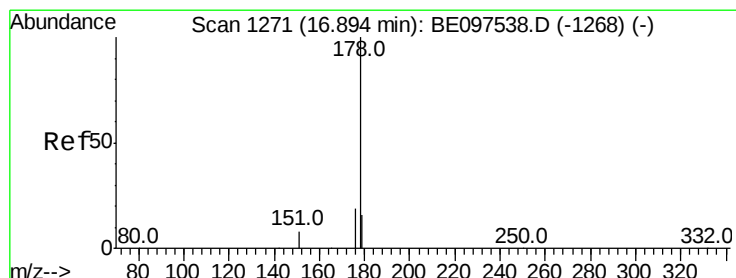
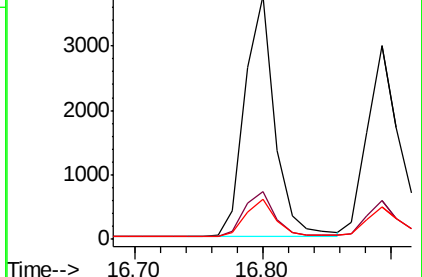
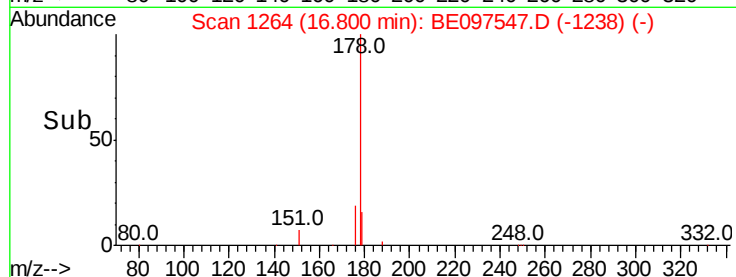
179 15.5 11.8 17.6



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: 0.467 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

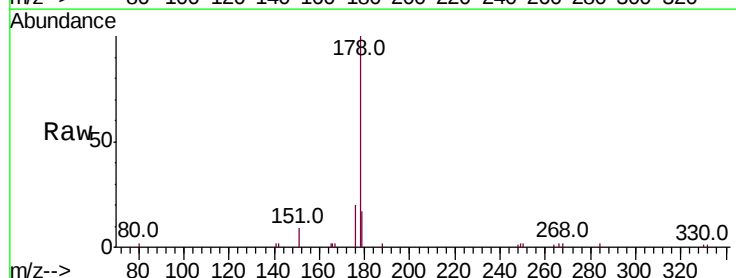
Tgt Ion:178 Resp: 5198

Ion Ratio Lower Upper

178 100

176 18.2 12.8 19.2

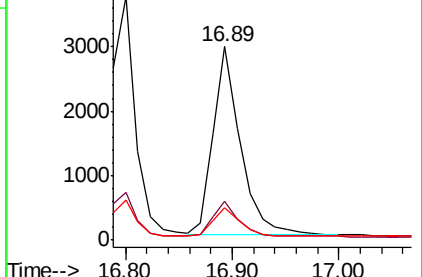
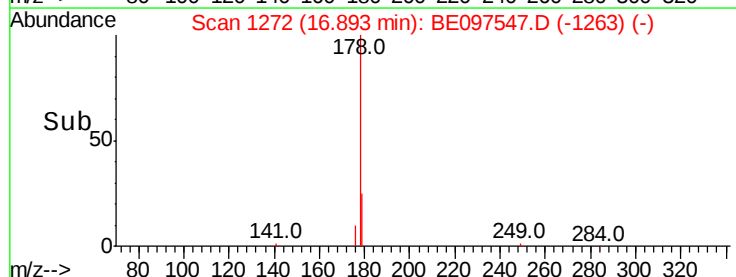
179 15.4 13.0 19.6



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: 0.375 ng

RT: 18.80 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

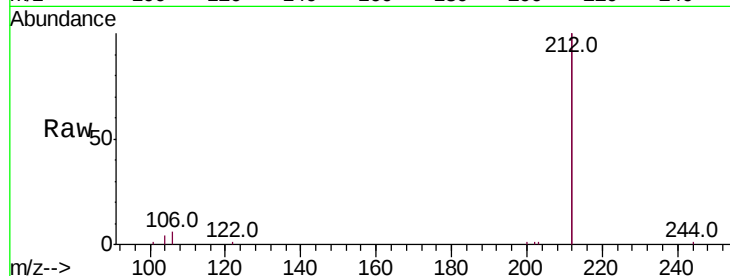
Tot Ion:212 Resp: 25438

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

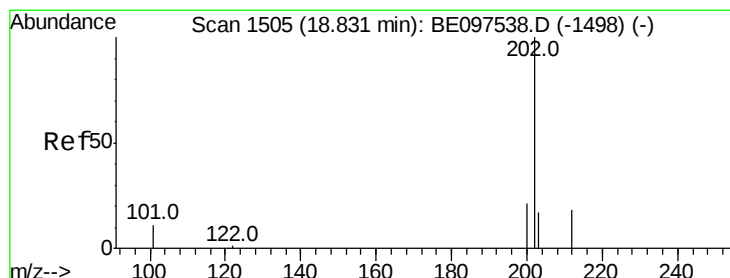
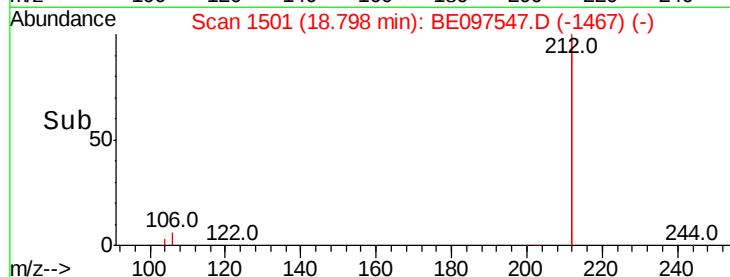
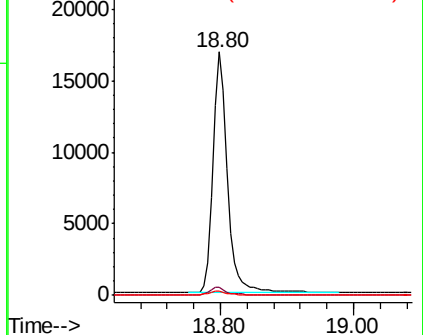
104 1.7 1.6 2.4



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: 0.448 ng

RT: 18.83 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

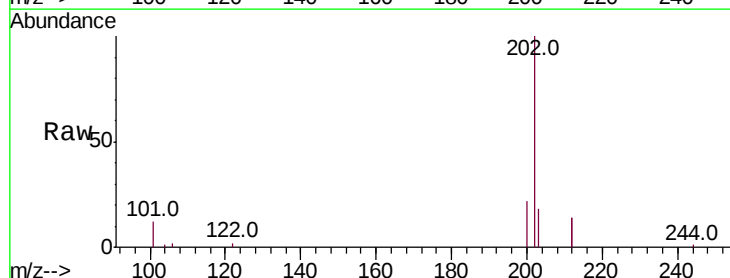
Tgt Ion:202 Resp: 7820

Ion Ratio Lower Upper

202 100

101 11.0 9.8 14.8

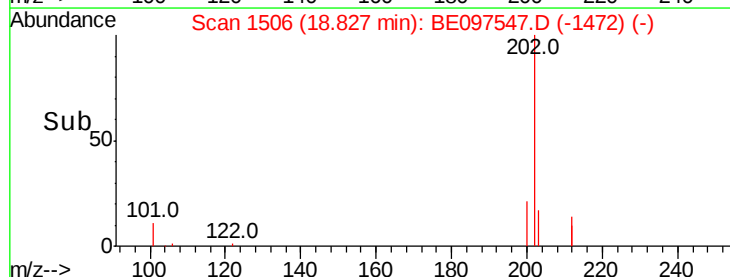
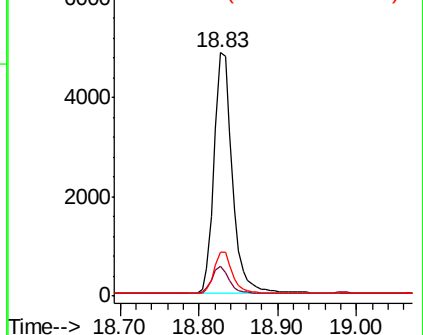
203 16.9 13.7 20.5



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

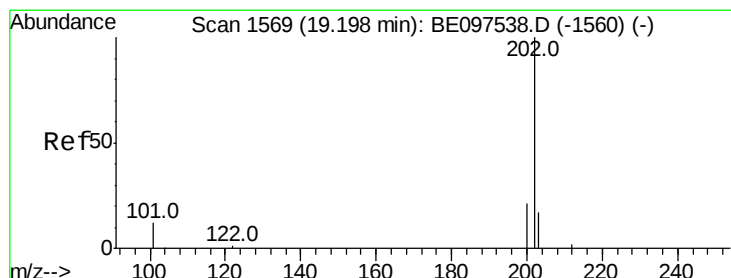
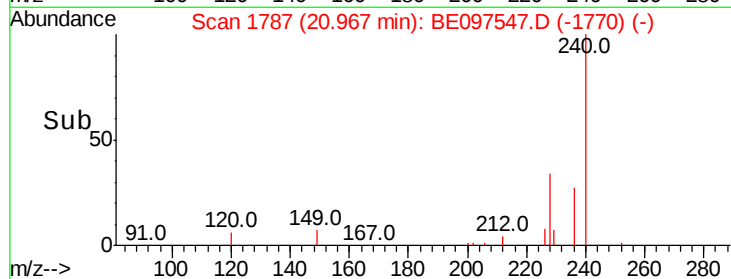
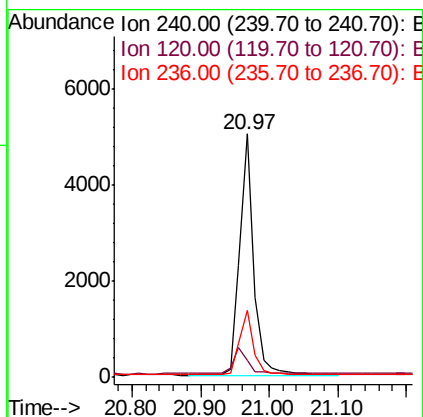
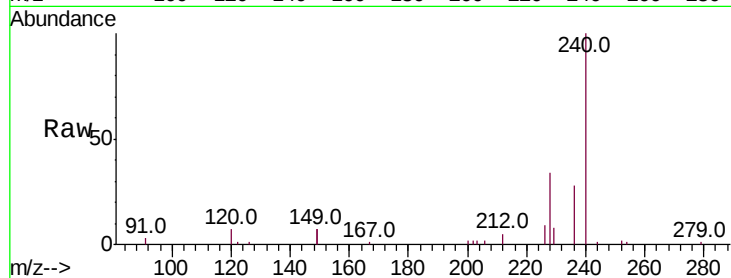




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BE097547.D
 Acq: 19 Sep 2018 19:24

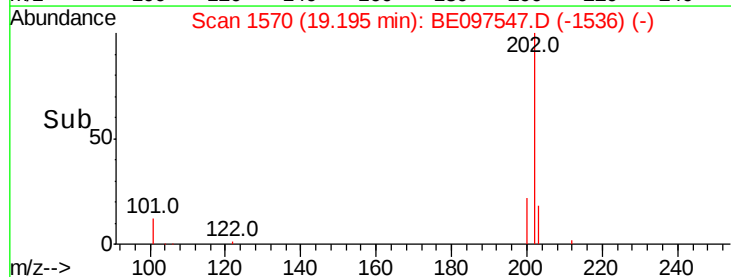
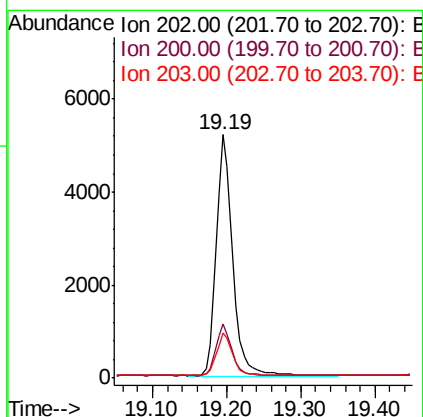
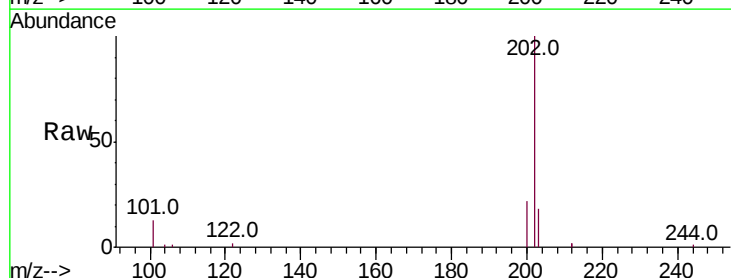
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 7118
 Ion Ratio Lower Upper
 240 100
 120 7.0 5.5 8.3
 236 27.7 20.7 31.1



#28
 Pyrene
 Concen: 0.492 ng
 RT: 19.19 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BE097547.D
 Acq: 19 Sep 2018 19:24

Tgt Ion:202 Resp: 7971
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.477 ng

RT: 19.42 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

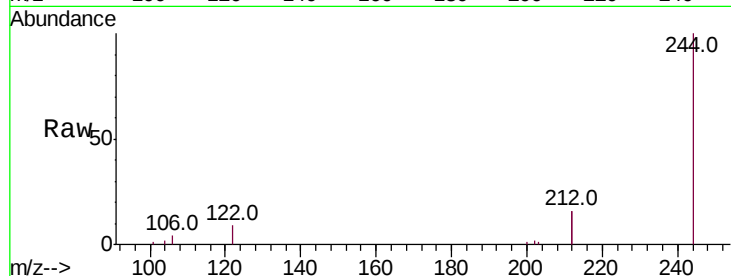
Tot Ion:244 Resp: 6208

Ion Ratio Lower Upper

244 100

212 31.7 25.4 38.0

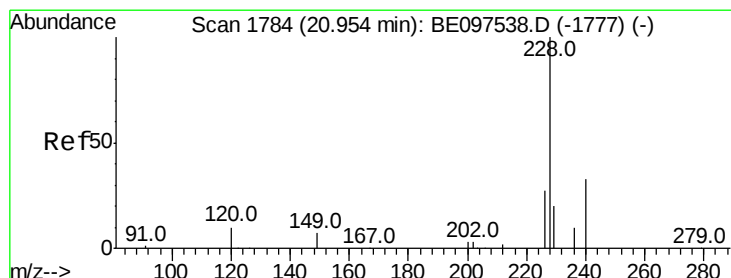
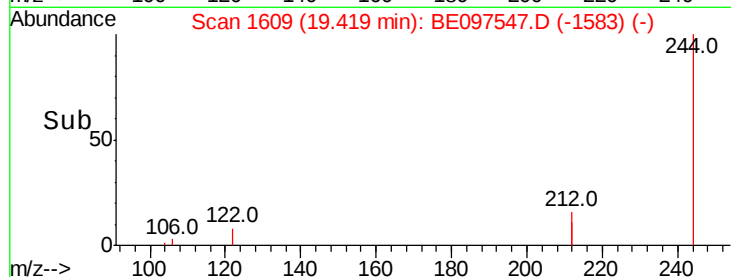
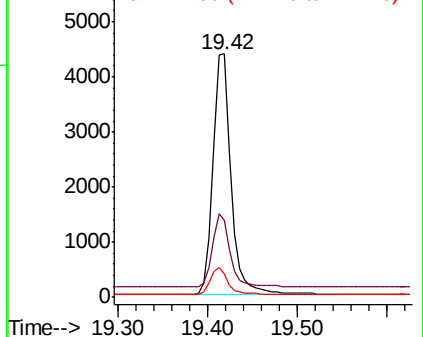
122 9.4 8.1 12.1



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: 0.482 ng

RT: 20.96 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

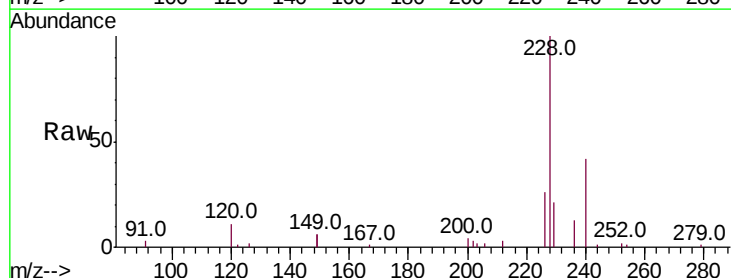
Tgt Ion:228 Resp: 8632

Ion Ratio Lower Upper

228 100

226 26.4 24.0 36.0

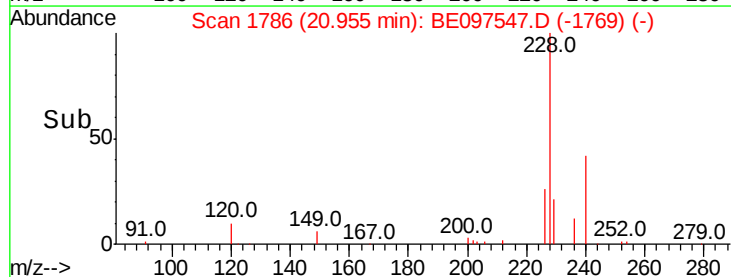
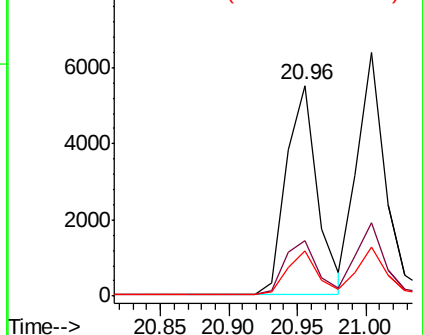
229 21.4 16.0 24.0



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





#31

Chrysene

Concen: 0.471 ng

RT: 21.00 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

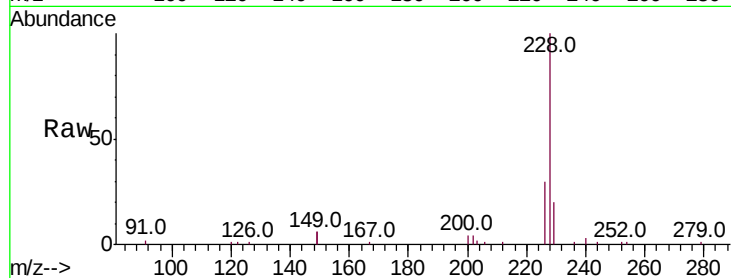
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 9060

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	20.0	16.0	24.0

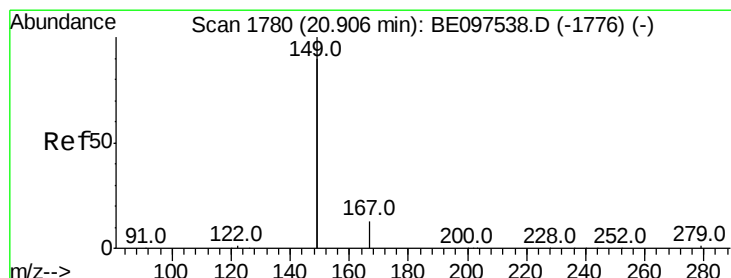
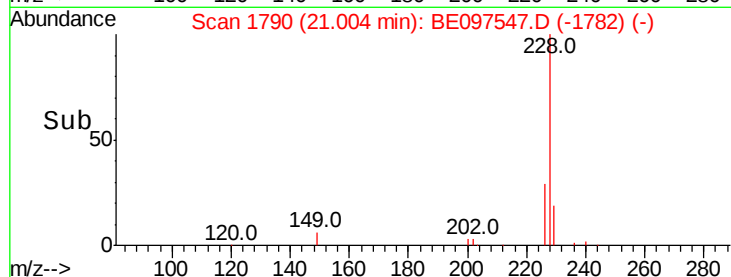
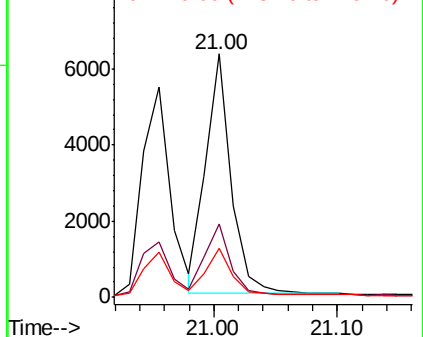


Abundance

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: 0.441 ng

RT: 20.91 min Scan# 1782

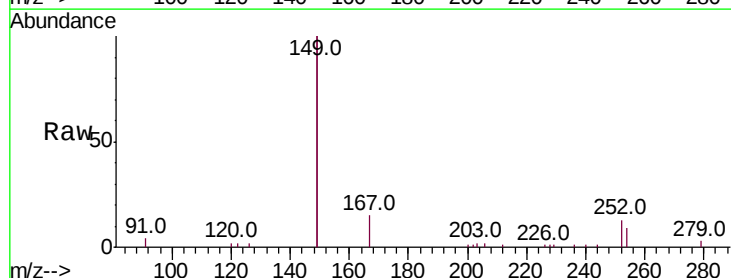
Delta R.T. 0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Tgt Ion:149 Resp: 12963

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.1	0.7	1.1#

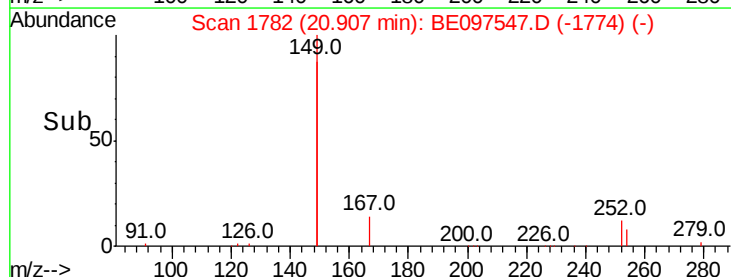
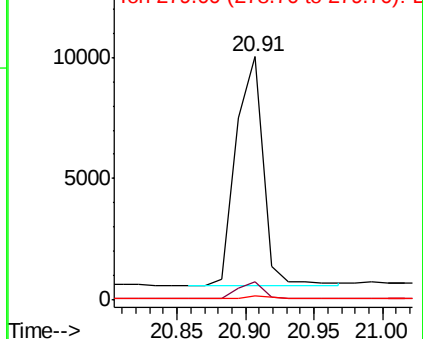


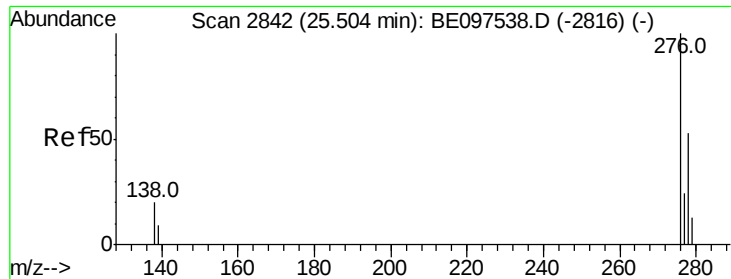
Abundance

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

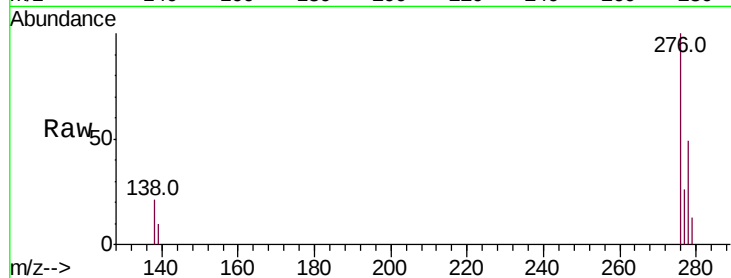




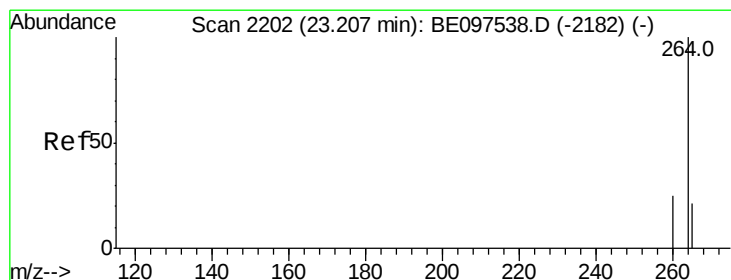
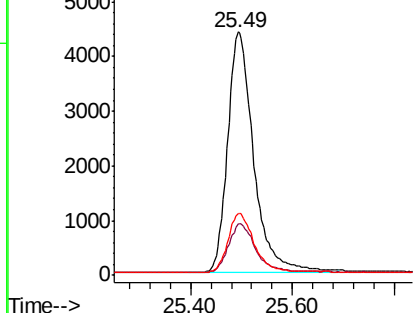
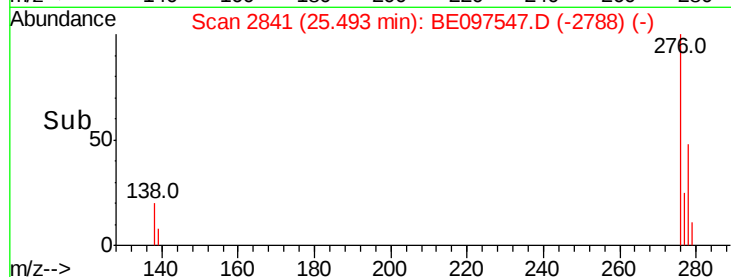
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.680 ng
 RT: 25.49 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BE097547.D
 Acq: 19 Sep 2018 19:24

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 15740
 Ion Ratio Lower Upper
 276 100
 138 20.7 22.5 33.7#
 277 24.8 19.9 29.9

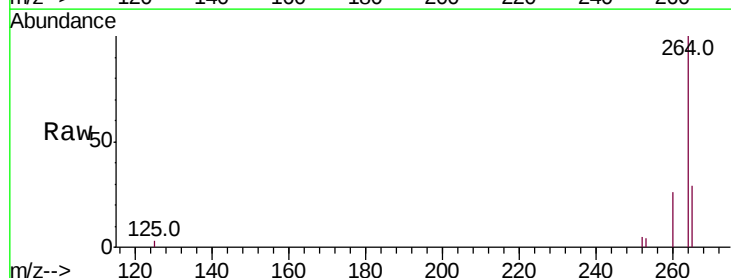


Abundance Ion 276.00 (275.70 to 276.70): E
 6000 Ion 138.00 (137.70 to 138.70): E
 5000 Ion 277.00 (276.70 to 277.70): E

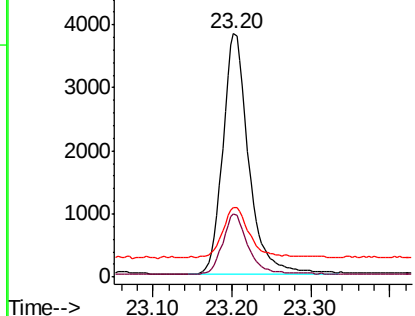
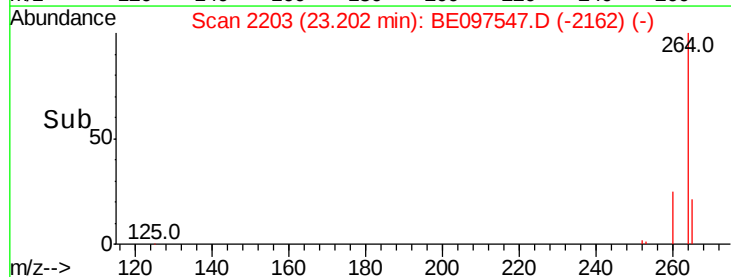


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BE097547.D
 Acq: 19 Sep 2018 19:24

Tgt Ion:264 Resp: 8603
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.5 30.7
 265 28.7 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
 5000 Ion 260.00 (259.70 to 260.70): E
 4000 Ion 265.00 (264.70 to 265.70): E

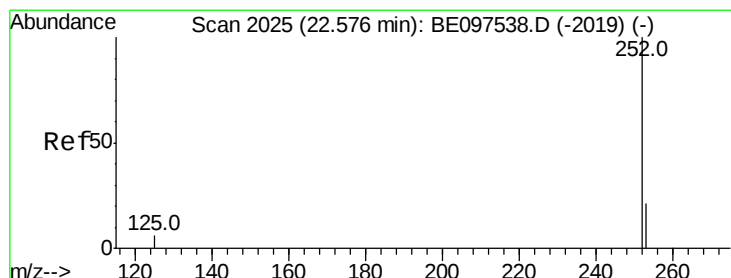
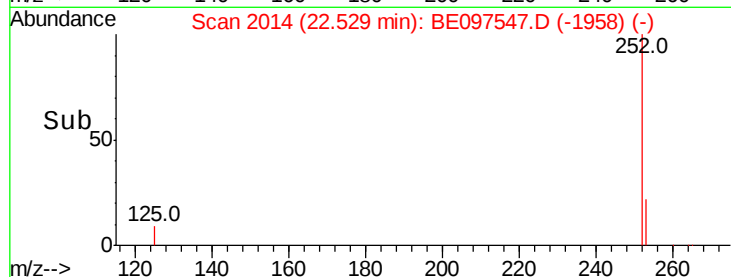
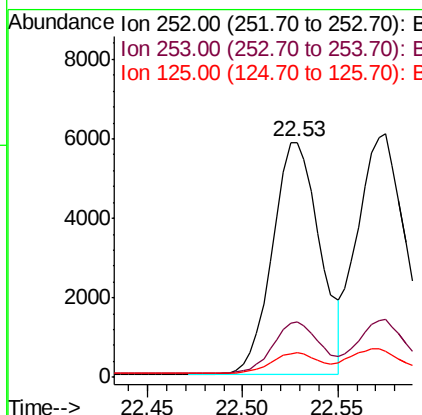
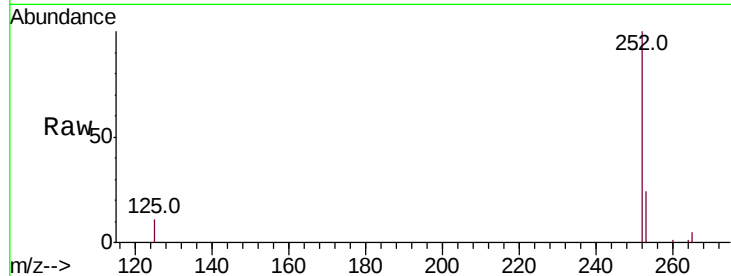




#35
Benzo(b)fluoranthene
Concen: 0.458 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE097547.D
Acq: 19 Sep 2018 19:24

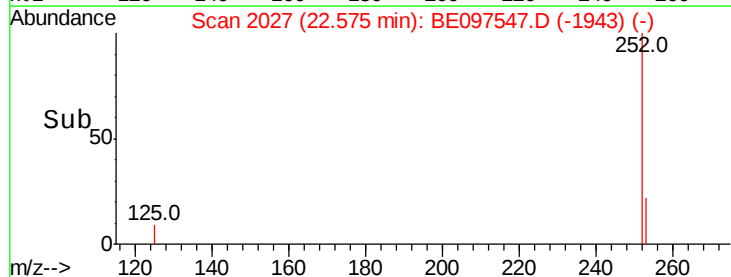
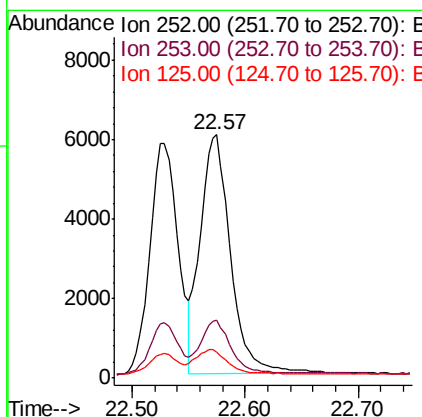
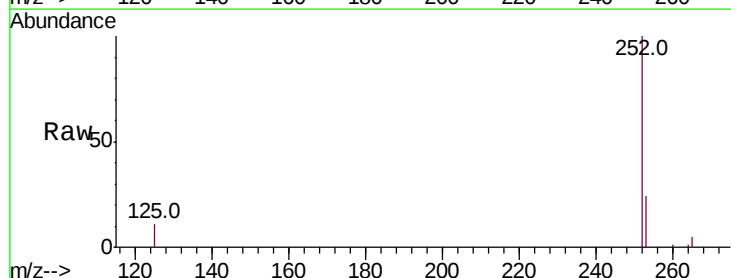
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 10101
Ion Ratio Lower Upper
252 100
253 23.7 20.0 30.0
125 10.6 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.444 ng
RT: 22.57 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE097547.D
Acq: 19 Sep 2018 19:24

Tgt Ion:252 Resp: 11191
Ion Ratio Lower Upper
252 100
253 23.6 16.0 24.0
125 10.7 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.481 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :

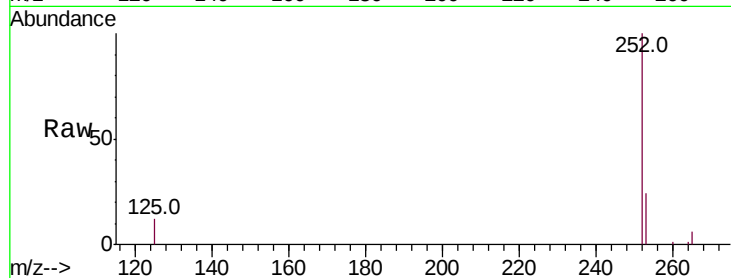
Tot Ion:252 Resp: 10359

Ion Ratio Lower Upper

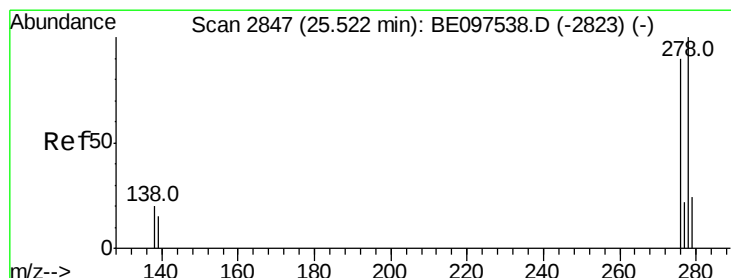
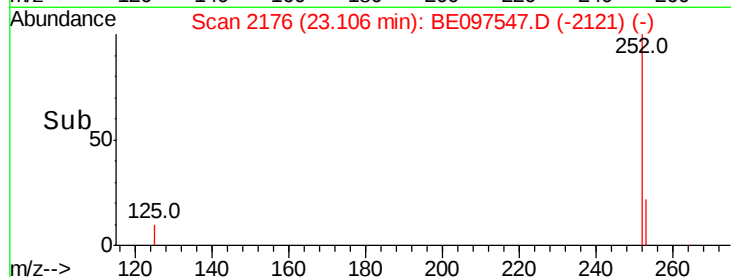
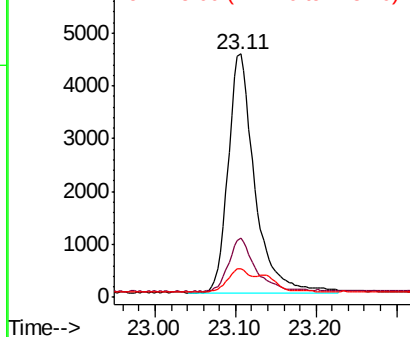
252 100

253 24.3 16.0 24.0#

125 11.7 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: 0.568 ng

RT: 25.51 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

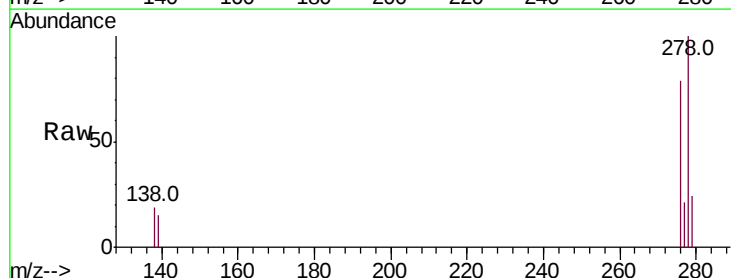
Tgt Ion:278 Resp: 13130

Ion Ratio Lower Upper

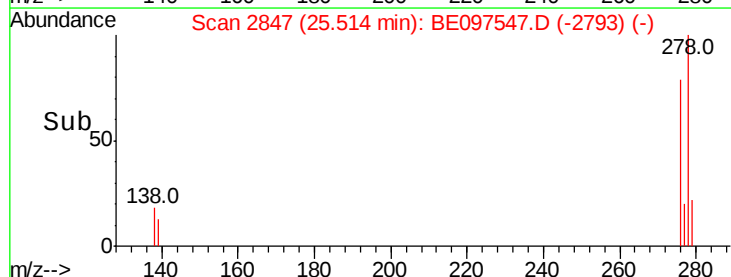
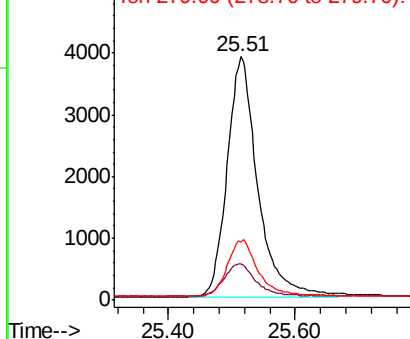
278 100

139 14.8 16.0 24.0#

279 23.8 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: 0.582 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.01 min

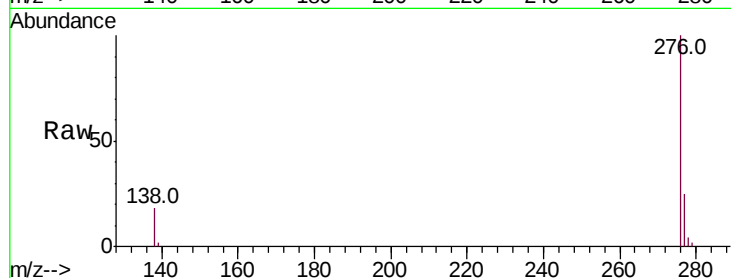
Lab File: BE097547.D

Acq: 19 Sep 2018 19:24

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 13094

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 18.1 20.0 30.0#

