

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097546.D
 Acq On : 19 Sep 2018 18:48
 Operator : SJ/JU
 Sample : J4958-02MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 05:09:12 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	1064	0.40	ng	0.00
7) Naphthalene-d8	10.12	136	4614	0.40	ng	-0.01
13) Acenaphthene-d10	14.00	164	2295	0.40	ng	0.00
19) Phenanthrene-d10	16.75	188	5484	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7395	0.40	ng	0.00
34) Perylene-d12	23.20	264	8798	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	592	0.19	ng	0.01
5) Phenol-d6	6.61	99	441	0.11	ng	0.01
8) Nitrobenzene-d5	8.52	82	1537	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.71	152	3310	0.52	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	369	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.62	172	4679	0.58	ng	-0.01
25) Fluoranthene-d10	18.80	212	26537	0.38	ng	0.00
29) Terphenyl-d14	19.42	244	6245	0.46	ng	0.00

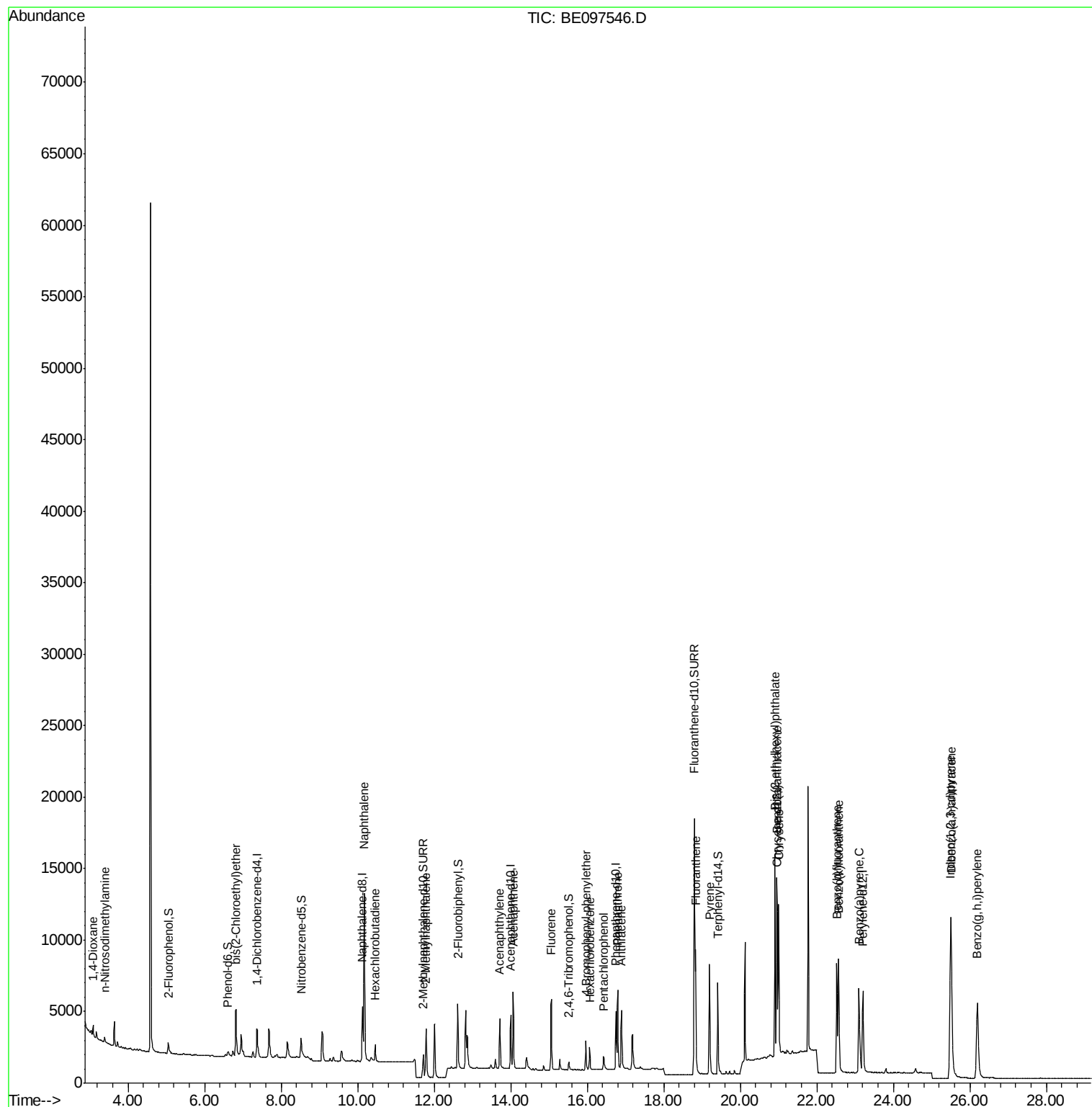
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	398	0.198	ng	# 78
3) n-Nitrosodimethylamine	3.38	42	294	0.199	ng	# 88
6) bis(2-Chloroethyl)ether	6.83	93	1533	0.405	ng	93
9) Naphthalene	10.17	128	20227	0.487	ng	100
10) Hexachlorobutadiene	10.46	225	772	0.403	ng	99
12) 2-Methylnaphthalene	11.79	142	3038	0.469	ng	99
16) Acenaphthylene	13.71	152	4086	0.450	ng	100
17) Acenaphthene	14.06	154	2766	0.455	ng	96
18) Fluorene	15.06	166	3529	0.445	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	1129	0.457	ng	# 87
21) Hexachlorobenzene	16.07	284	1206	0.444	ng	# 86
22) Pentachlorophenol	16.43	266	714	0.716	ng	# 74
23) Phenanthrene	16.80	178	6410	0.492	ng	99
24) Anthracene	16.89	178	5451	0.474	ng	96
26) Fluoranthene	18.83	202	8126	0.450	ng	98
28) Pyrene	19.19	202	8373	0.497	ng	99
30) Benzo(a)anthracene	20.95	228	8920	0.479	ng	97
31) Chrysene	21.00	228	9421	0.472	ng	100
32) Bis(2-ethylhexyl)phthalate	20.91	149	13895	0.455	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	16024	0.666	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	10429	0.462	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	11432	0.444	ng	95
37) Benzo(a)pyrene	23.10	252	10563	0.479	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	13642	0.577	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	13421	0.584	ng	# 89

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

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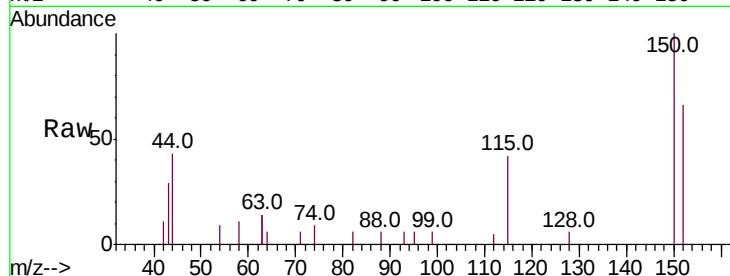


#1

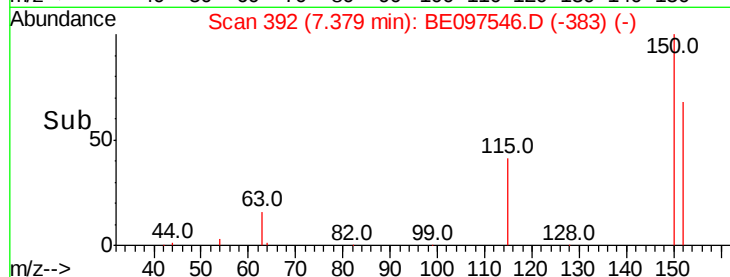
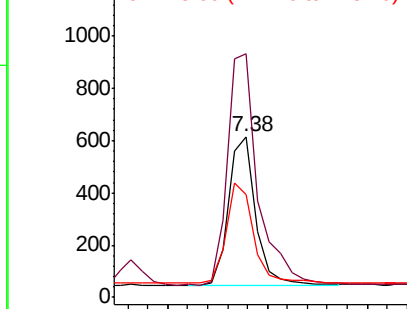
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097546.D
Acq: 19 Sep 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1064
Ion Ratio Lower Upper
152 100
150 151.5 117.2 175.8
115 64.1 57.0 85.6



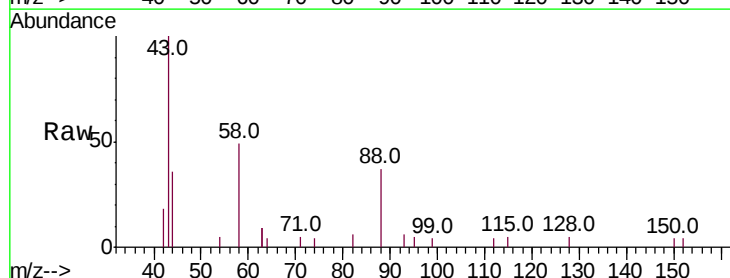
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



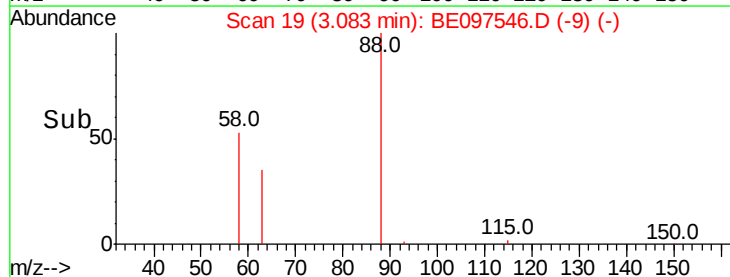
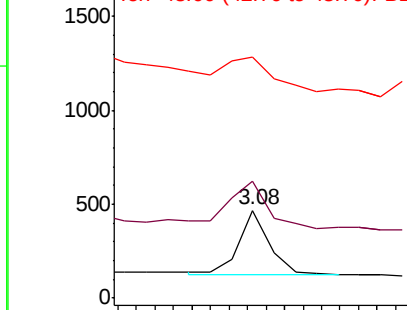
#2

1,4-Dioxane
Concen: 0.198 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097546.D
Acq: 19 Sep 2018 18:48

Tgt Ion: 88 Resp: 398
Ion Ratio Lower Upper
88 100
58 90.2 63.2 94.8
43 76.4 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: 0.199 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097546.D

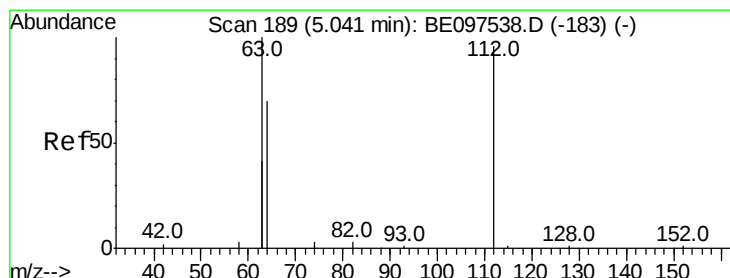
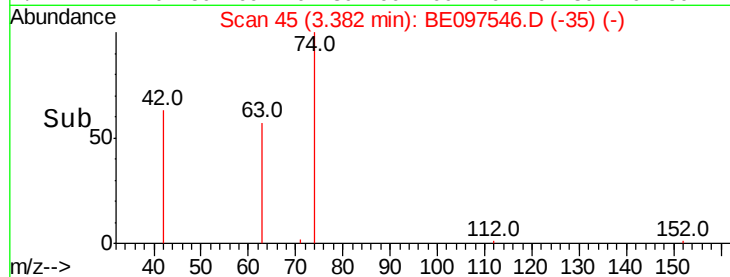
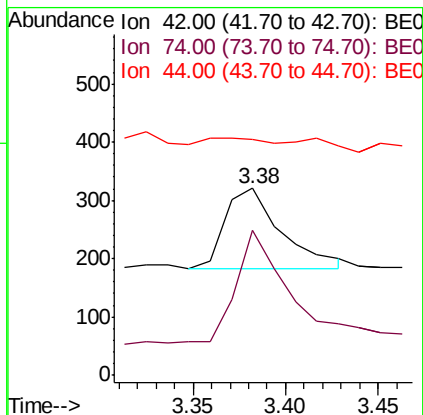
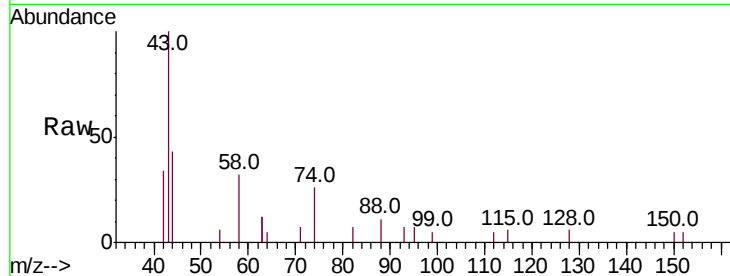
Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampled :

Tot Ion:	42	Resp:	294
Ion	Ratio	Lower	Upper
42	100		
74	130.6	96.0	144.0
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.186 ng

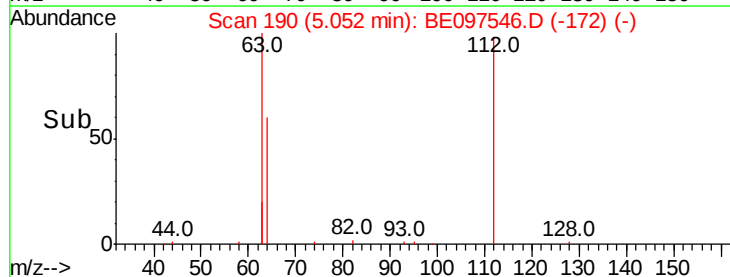
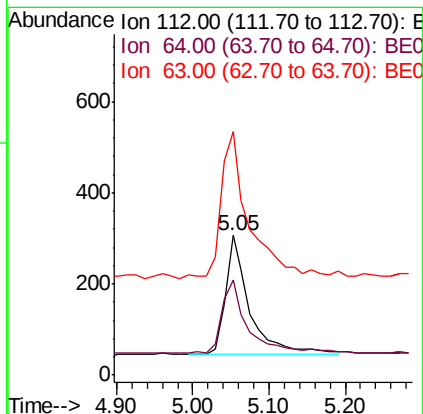
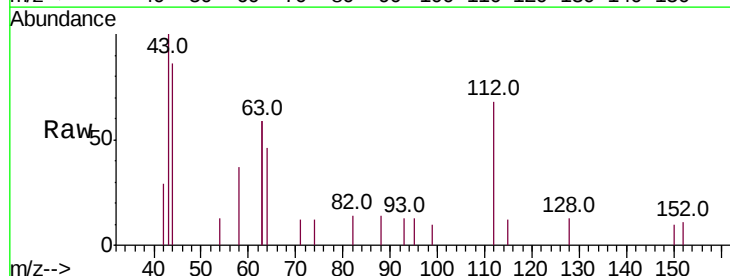
RT: 5.05 min Scan# 190

Delta R.T. 0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Tgt Ion:	112	Resp:	592
Ion	Ratio	Lower	Upper
112	100		
64	65.2	60.1	90.1
63	142.2	116.8	175.2





#5

Phenol-d6

Concen: 0.108 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

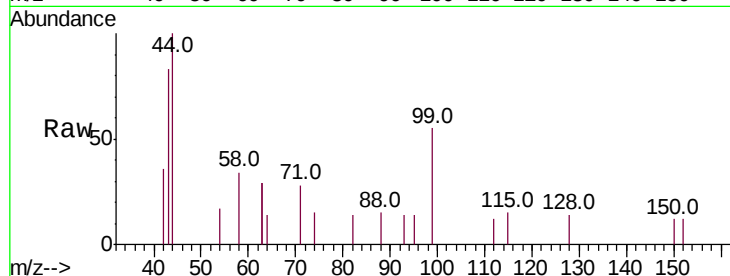
Tot Ion: 99 Resp: 441

Ion Ratio Lower Upper

99 100

42 22.7 20.2 30.2

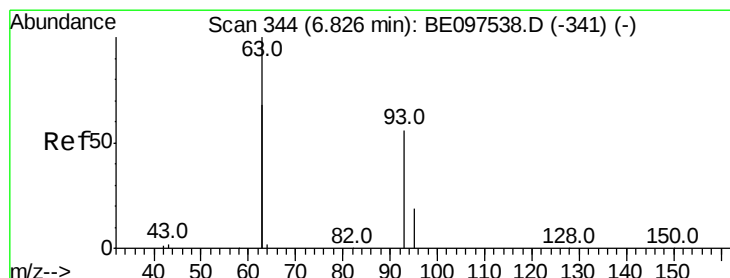
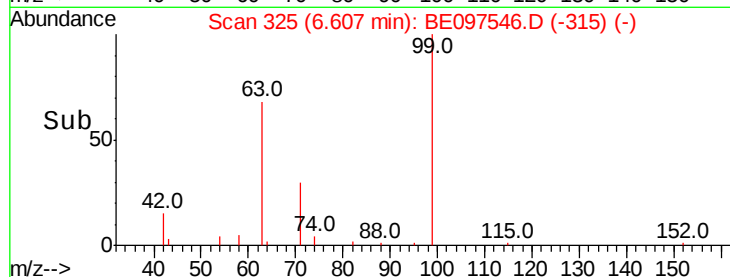
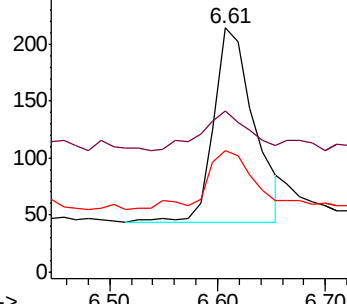
71 34.9 28.4 42.6



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: 0.405 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

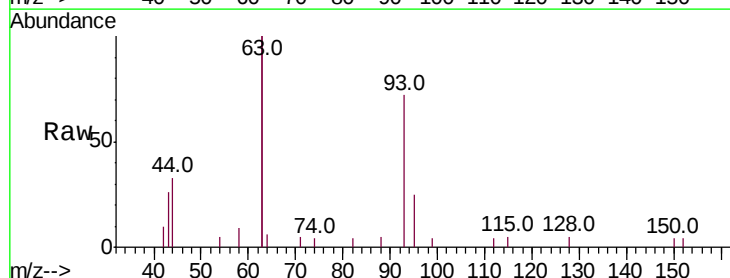
Tgt Ion: 93 Resp: 1533

Ion Ratio Lower Upper

93 100

63 327.3 275.3 412.9

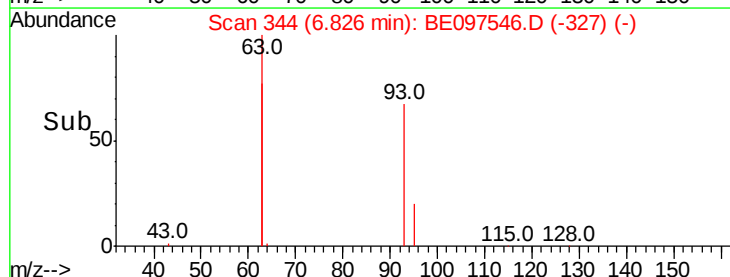
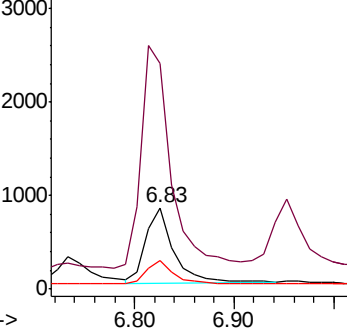
95 33.7 25.2 37.8

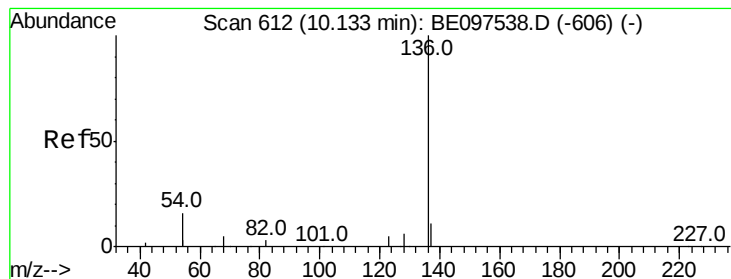


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4614

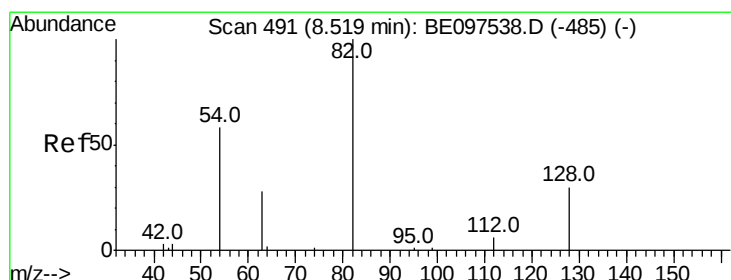
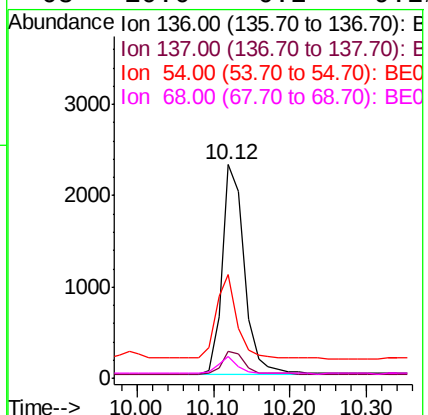
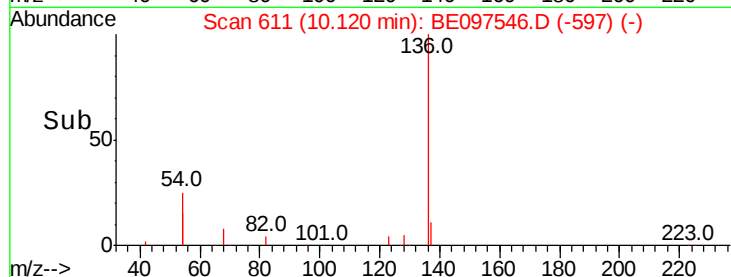
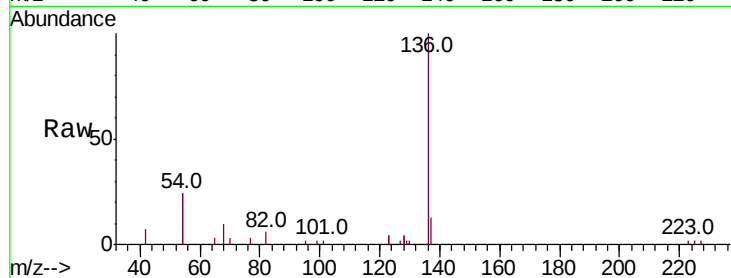
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 48.8 29.1 43.7#

68 10.0 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.431 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

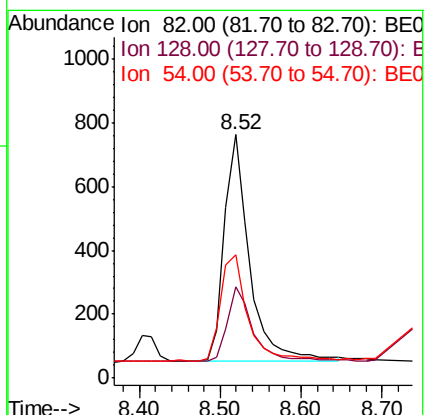
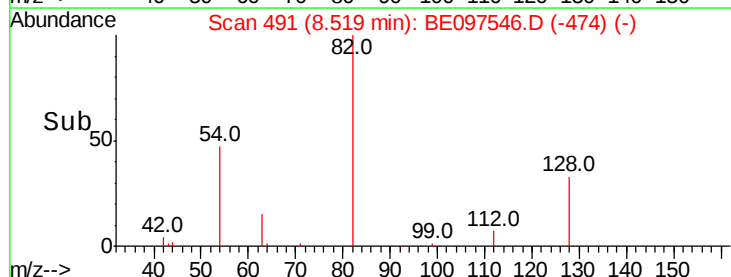
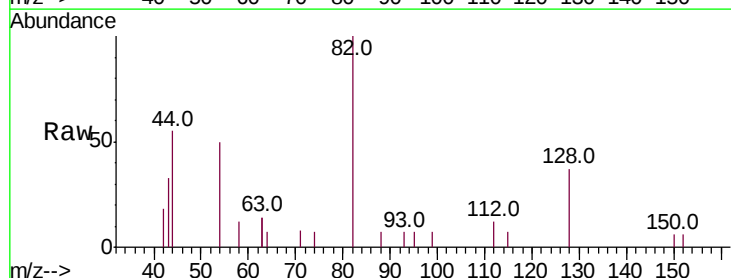
Tgt Ion: 82 Resp: 1537

Ion Ratio Lower Upper

82 100

128 37.2 24.0 36.0#

54 50.5 40.0 60.0





#9

Naphthalene

Concen: 0.487 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampled :

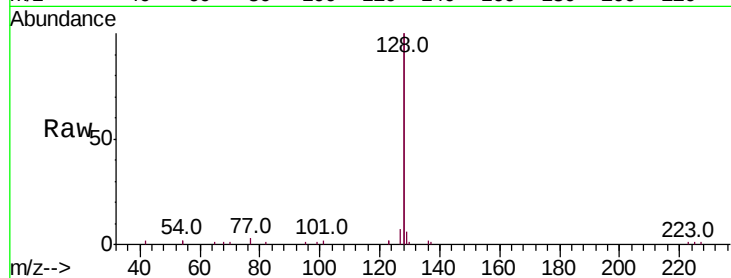
Tot Ion:128 Resp: 20227

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

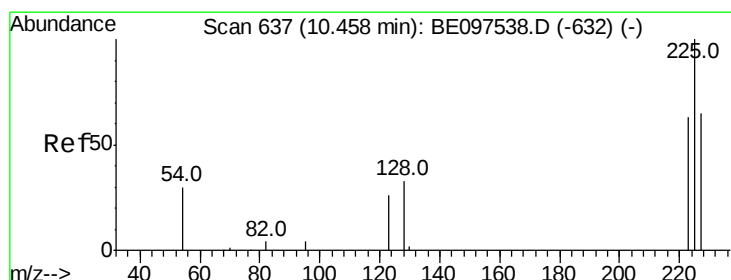
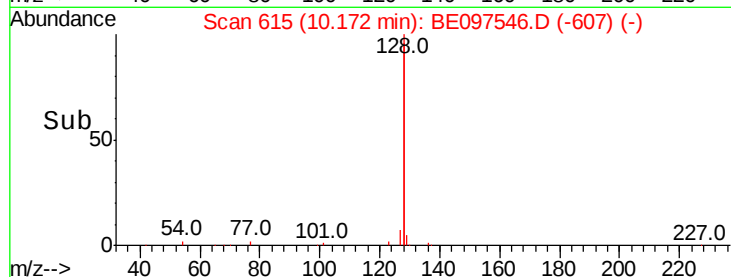
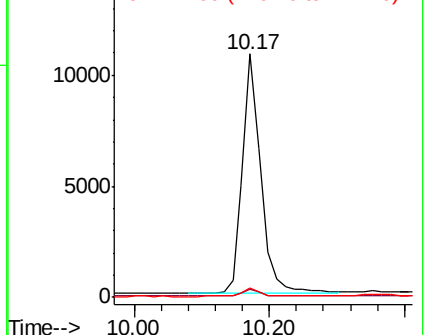
127 3.7 2.8 4.2



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: 0.403 ng

RT: 10.46 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

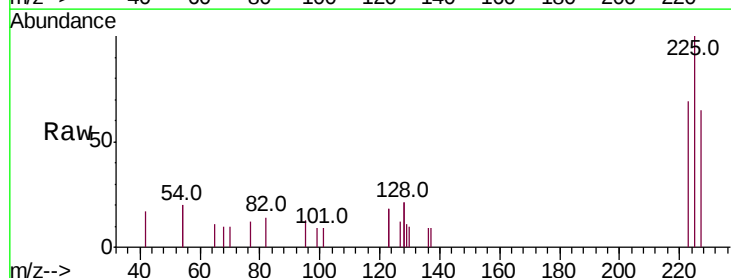
Tgt Ion:225 Resp: 772

Ion Ratio Lower Upper

225 100

223 64.9 53.0 79.6

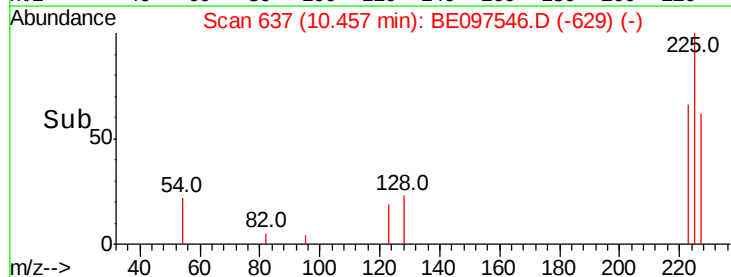
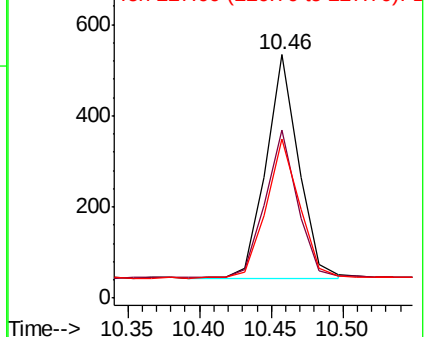
227 63.9 51.4 77.2

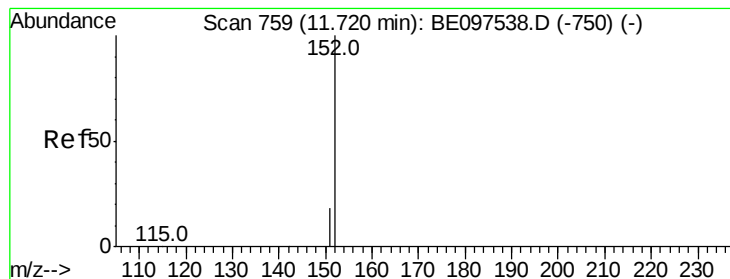


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.520 ng

RT: 11.71 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

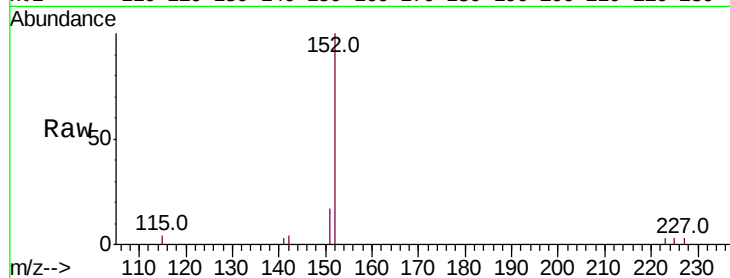
ClientSampleId :

Tot Ion:152 Resp: 3310

Ion Ratio Lower Upper

152 100

151 14.1 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

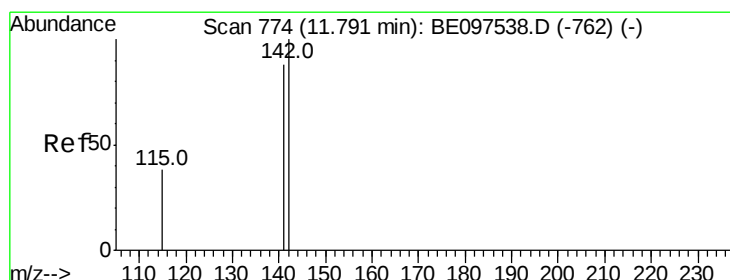
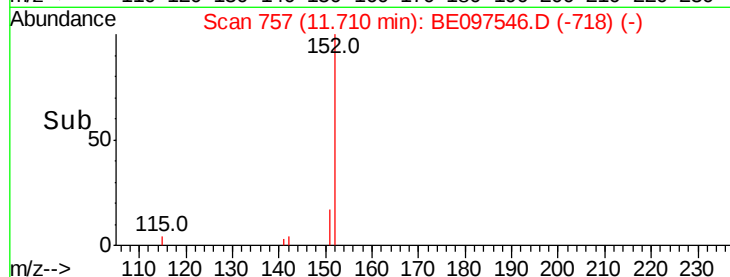
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.469 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

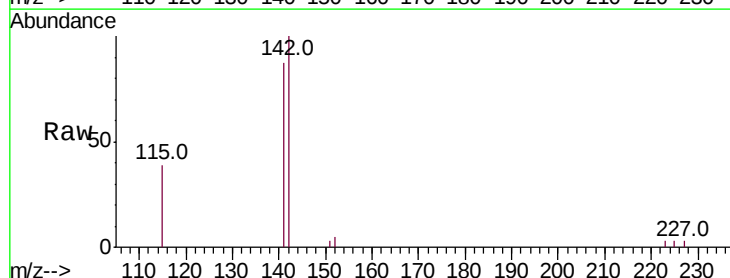
Tgt Ion:142 Resp: 3038

Ion Ratio Lower Upper

142 100

141 87.2 70.4 105.6

115 38.8 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

11.79

2000

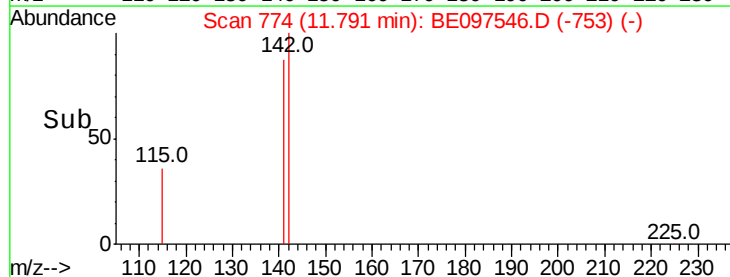
1500

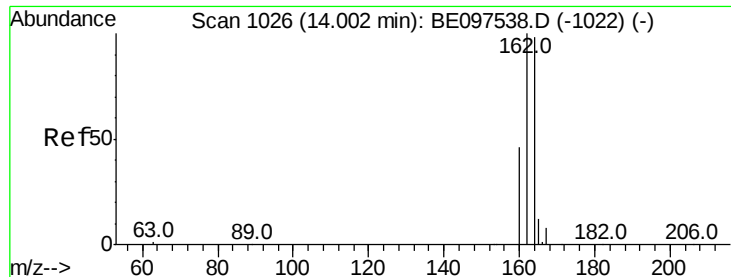
1000

500

0

Time--> 11.70 11.80

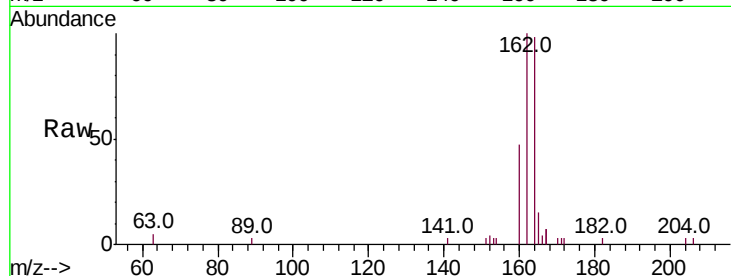




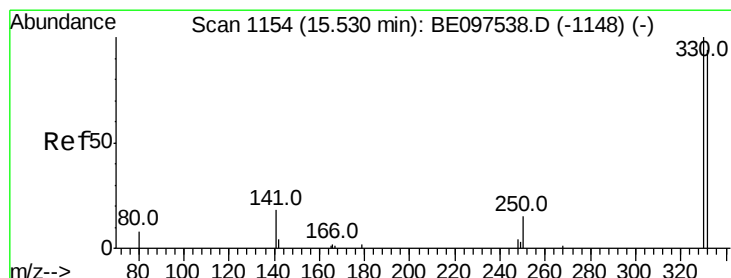
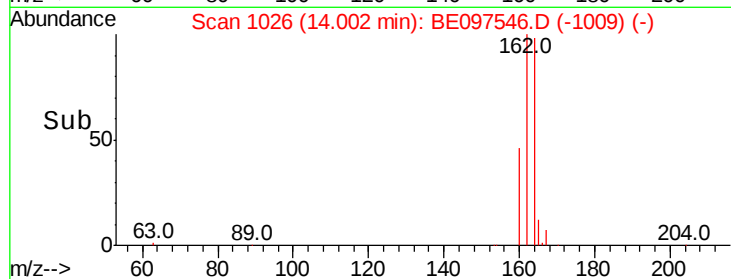
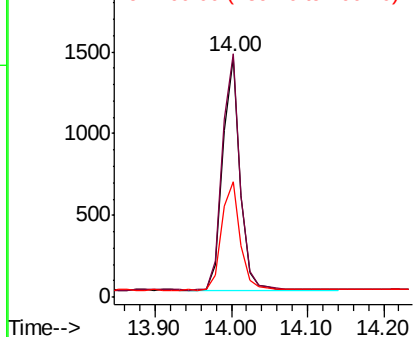
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE097546.D
 Acq: 19 Sep 2018 18:48

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2295
 Ion Ratio Lower Upper
 164 100
 162 101.6 83.1 124.7
 160 48.1 37.1 55.7

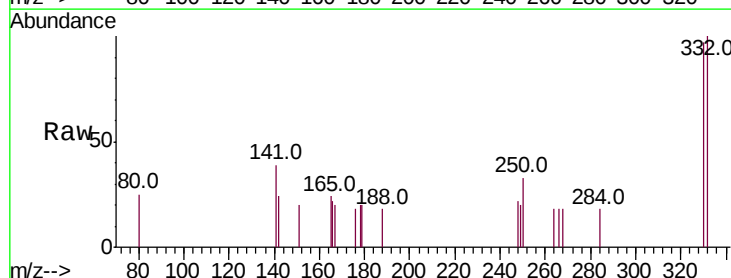


Abundance Ion 164.00 (163.70 to 164.70): E
 2000 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

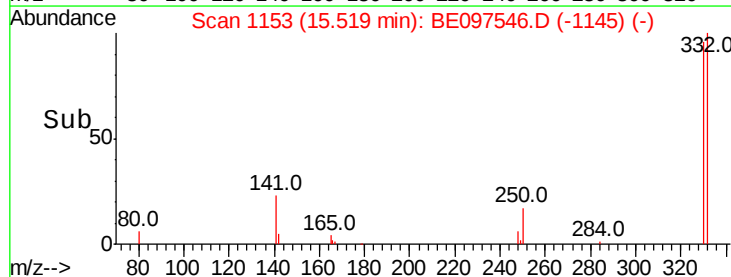
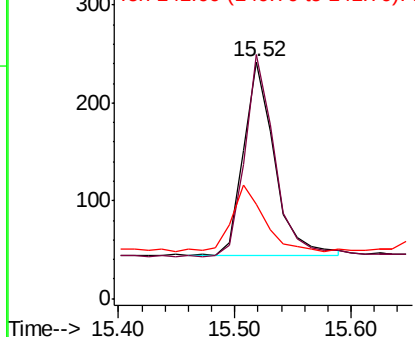


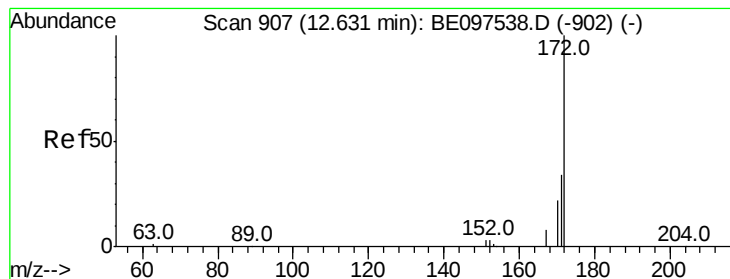
#14
 2,4,6-Tribromophenol
 Concen: 0.423 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BE097546.D
 Acq: 19 Sep 2018 18:48

Tgt Ion:330 Resp: 369
 Ion Ratio Lower Upper
 330 100
 332 99.5 152.7 229.1#
 141 35.5 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: 0.577 ng

RT: 12.62 min Scan# 906

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

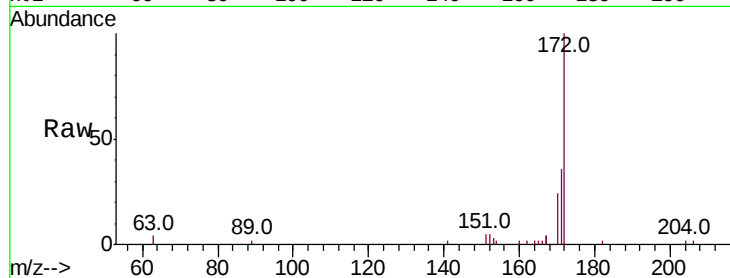
Tot Ion:172 Resp: 4679

Ion Ratio Lower Upper

172 100

171 36.0 29.9 44.9

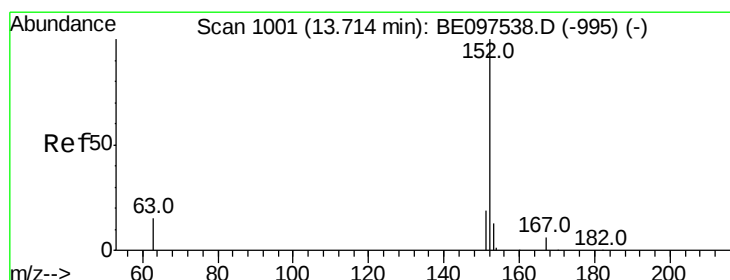
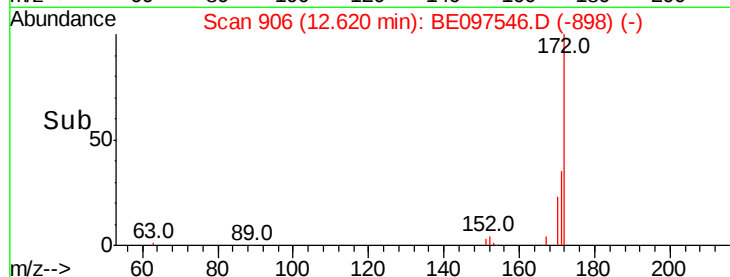
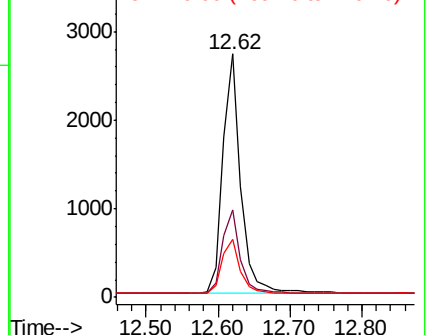
170 23.9 21.8 32.8



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: 0.450 ng

RT: 13.71 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

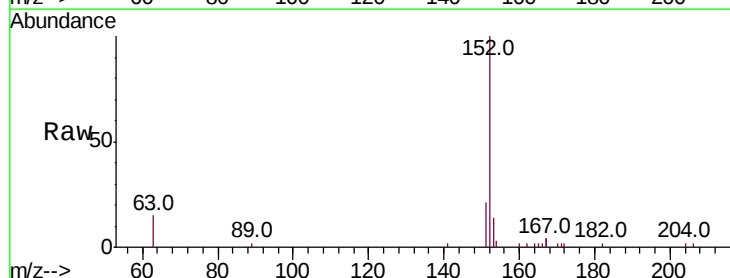
Tgt Ion:152 Resp: 4086

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

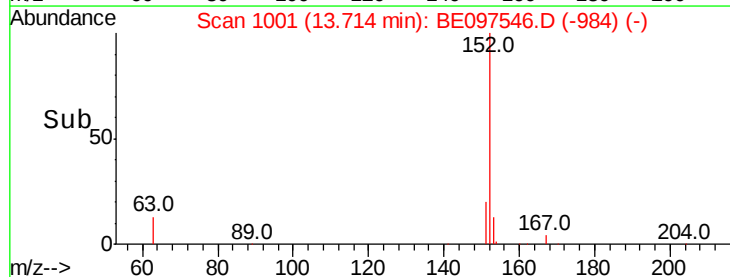
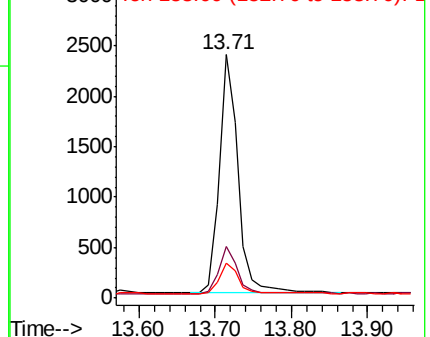
153 13.1 10.5 15.7



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: 0.455 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

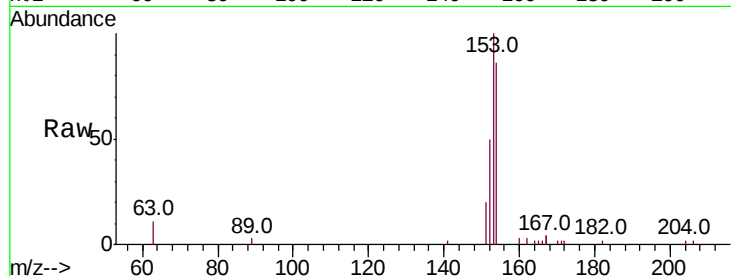
Tot Ion:154 Resp: 2766

Ion Ratio Lower Upper

154 100

153 114.9 89.2 133.8

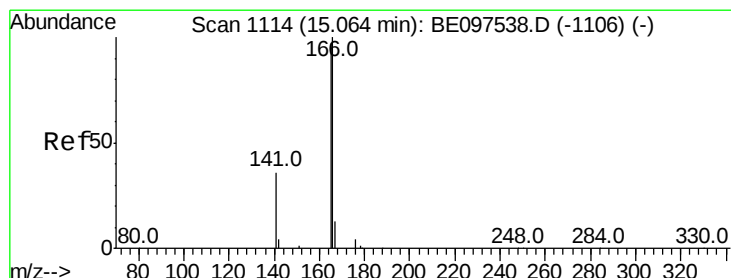
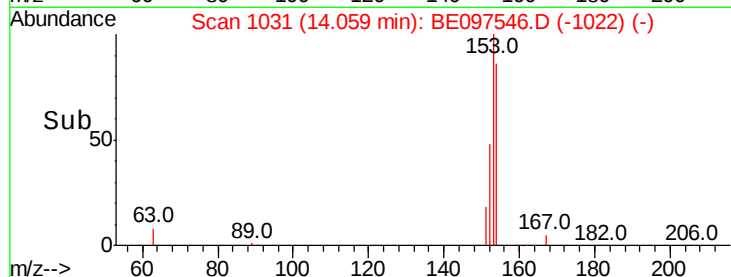
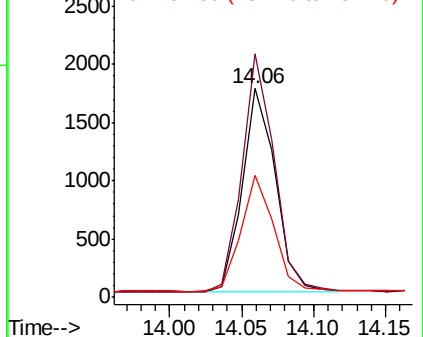
152 57.2 42.0 63.0



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: 0.445 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

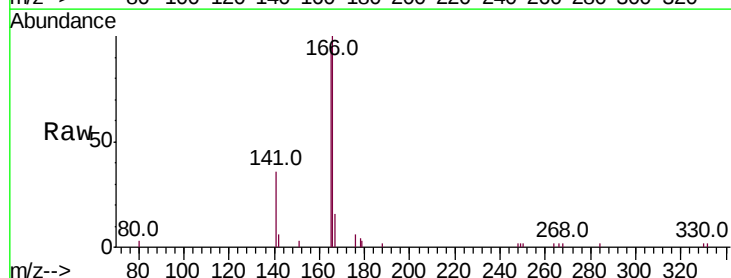
Tgt Ion:166 Resp: 3529

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.6

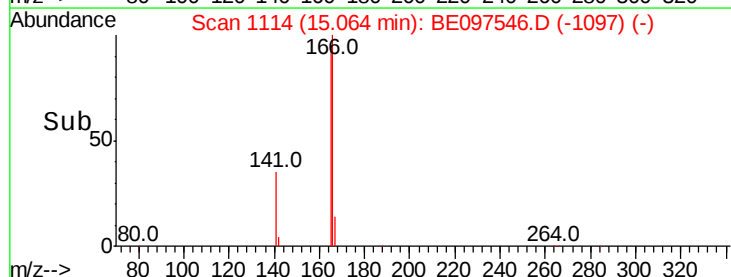
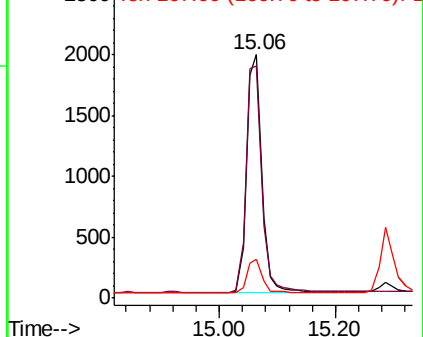
167 14.1 42.4 63.6#



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# 1259

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

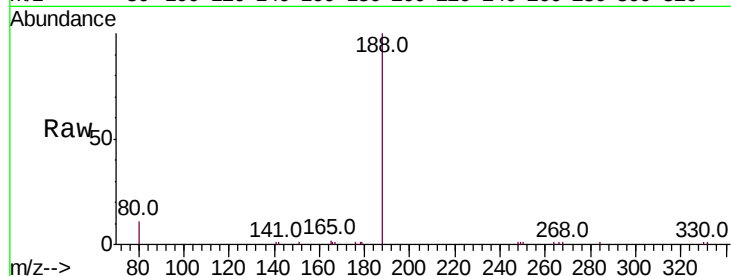
Tot Ion:188 Resp: 5484

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

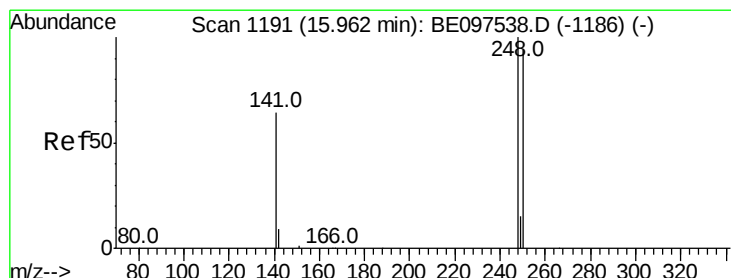
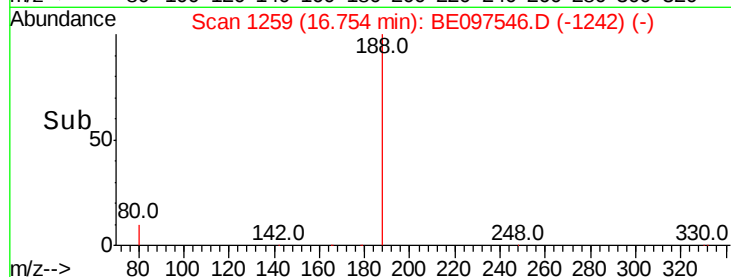
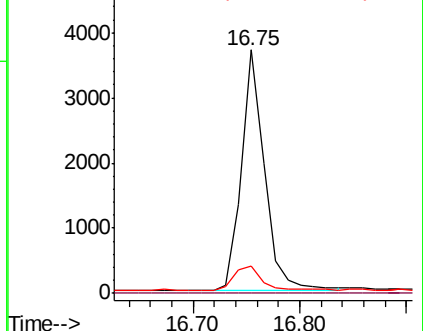
80 11.3 3.6 5.4#



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: 0.457 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

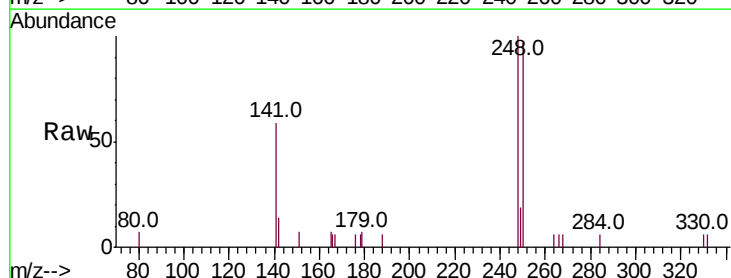
Tgt Ion:248 Resp: 1129

Ion Ratio Lower Upper

248 100

250 96.7 62.7 94.1#

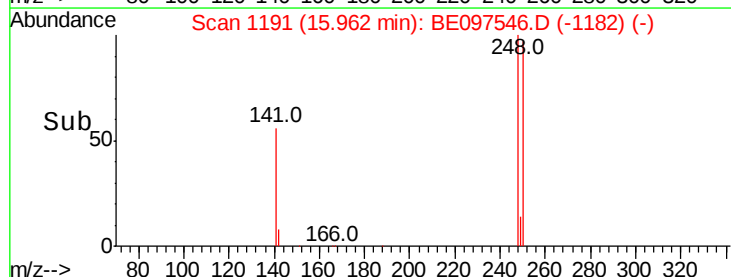
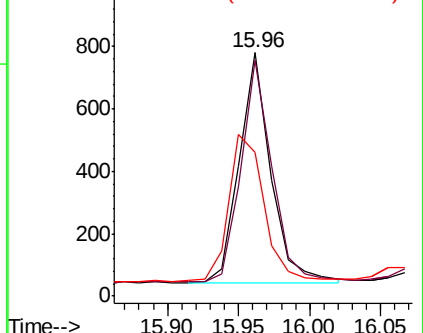
141 58.8 48.2 72.2



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

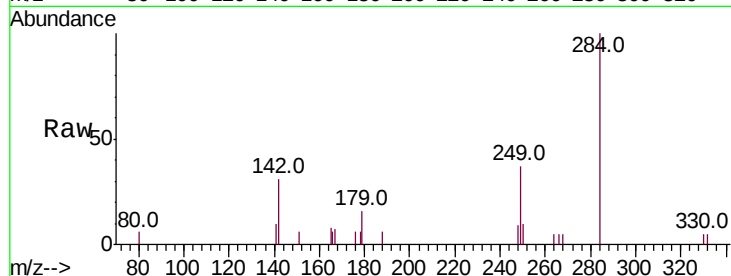




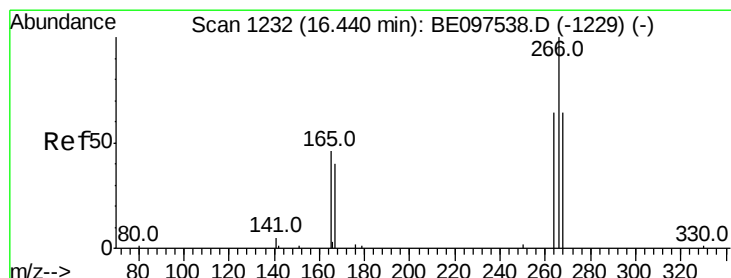
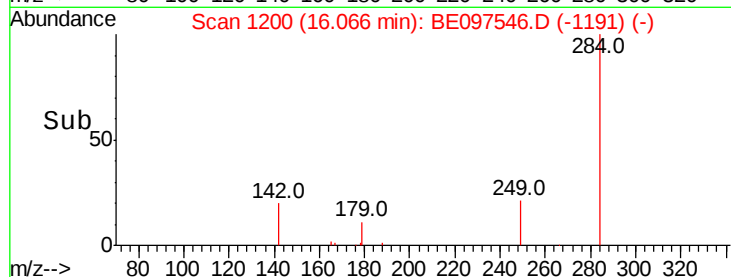
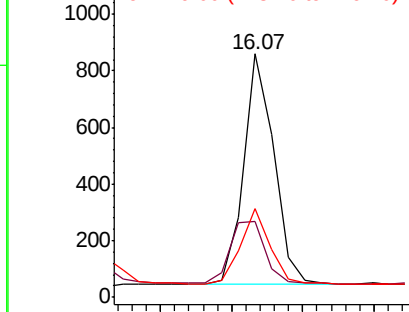
#21
Hexachlorobenzene
Concen: 0.444 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097546.D
Acq: 19 Sep 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1206
Ion Ratio Lower Upper
284 100
142 32.0 22.1 33.1
249 31.9 34.8 52.2#

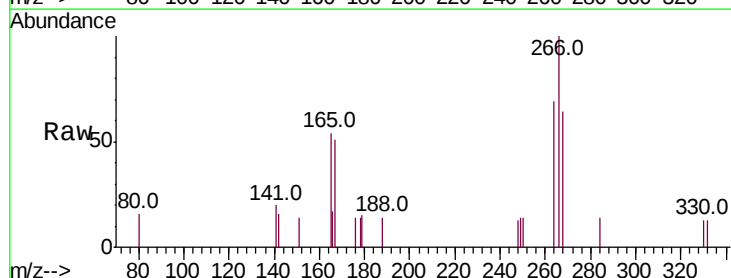


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

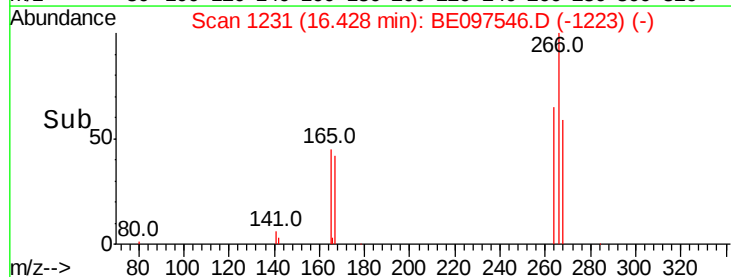
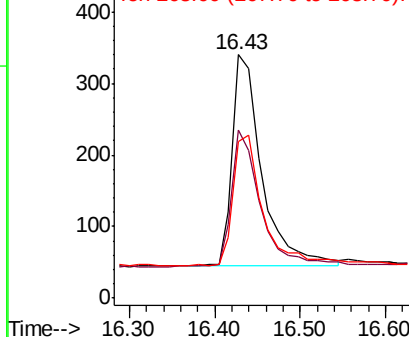


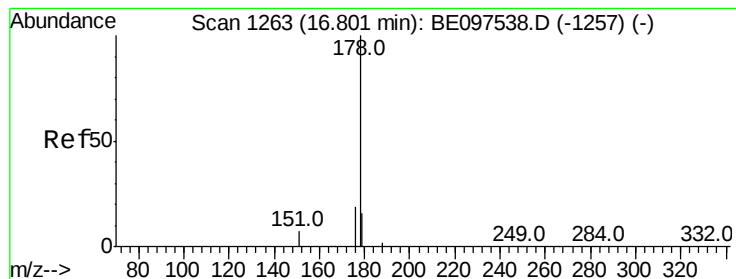
#22
Pentachlorophenol
Concen: 0.716 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE097546.D
Acq: 19 Sep 2018 18:48

Tgt Ion:266 Resp: 714
Ion Ratio Lower Upper
266 100
264 68.8 72.5 108.7#
268 64.4 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: 0.492 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

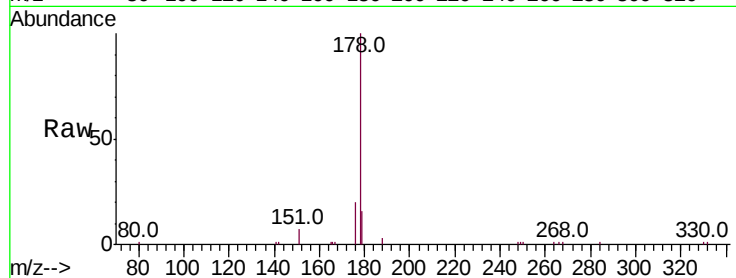
Tot Ion:178 Resp: 6410

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

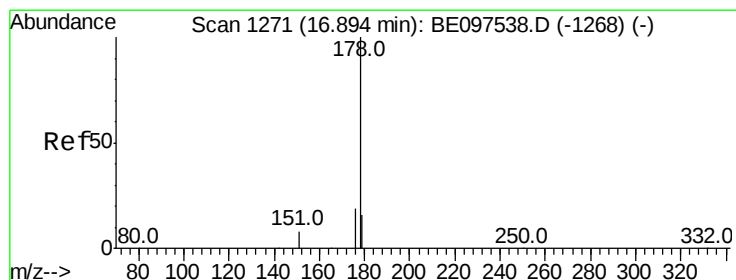
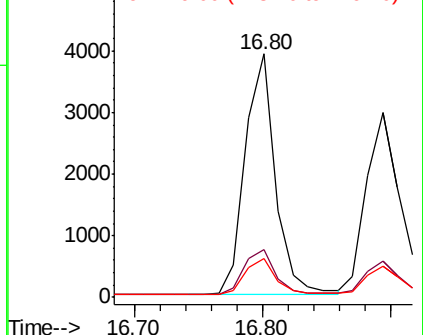
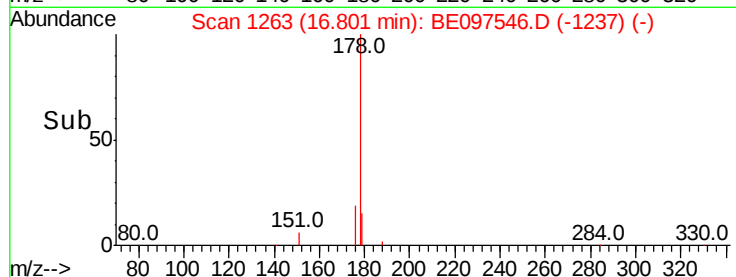
179 15.1 11.8 17.6



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: 0.474 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

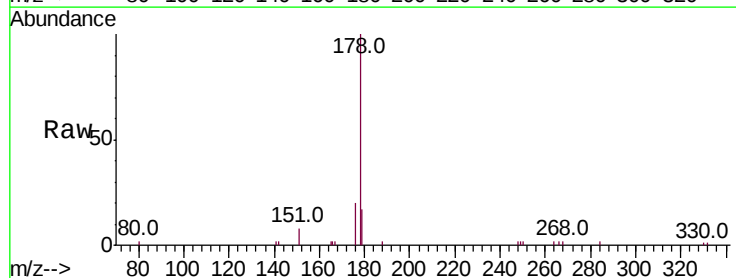
Tgt Ion:178 Resp: 5451

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

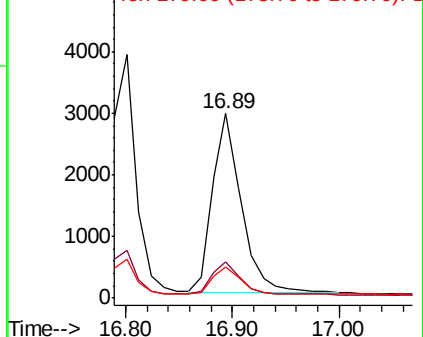
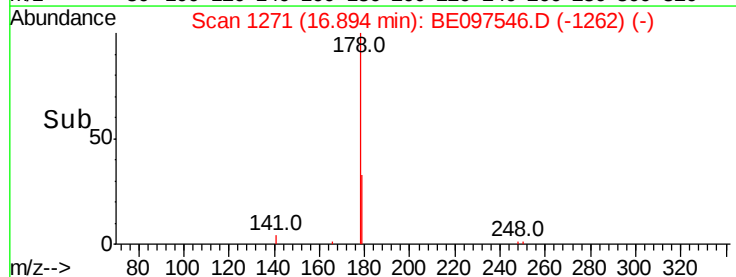
179 15.5 13.0 19.6



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: 0.378 ng

RT: 18.80 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

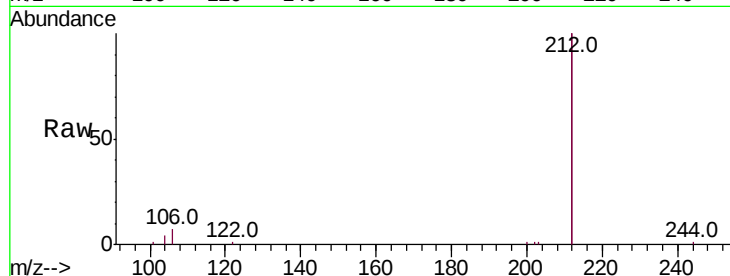
Tot Ion:212 Resp: 26537

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

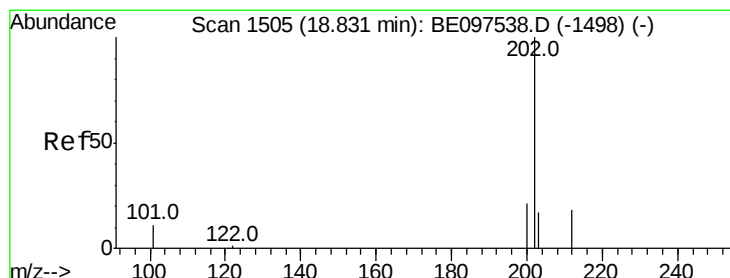
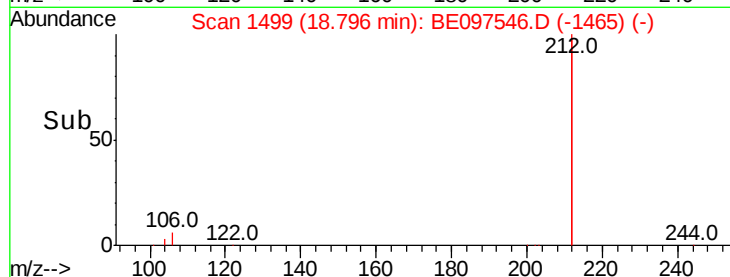
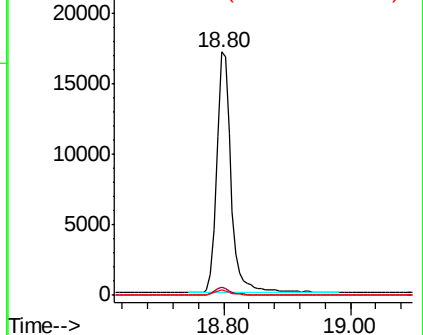
104 1.7 1.6 2.4



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: 0.450 ng

RT: 18.83 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

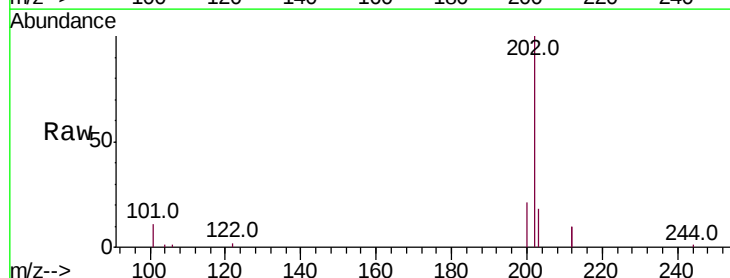
Tgt Ion:202 Resp: 8126

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

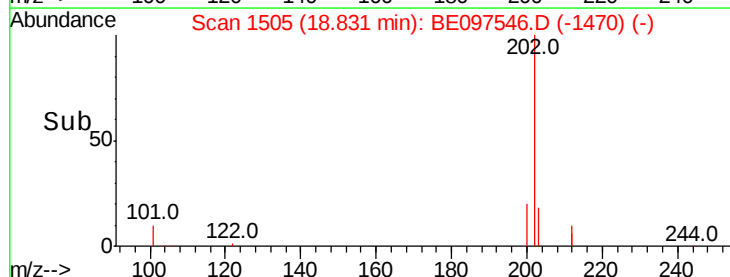
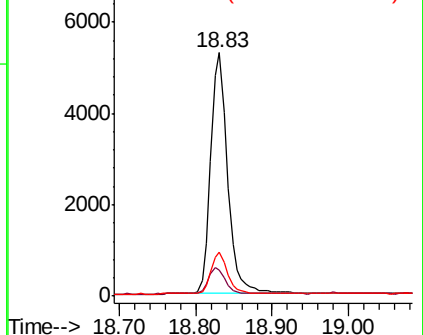
203 16.8 13.7 20.5

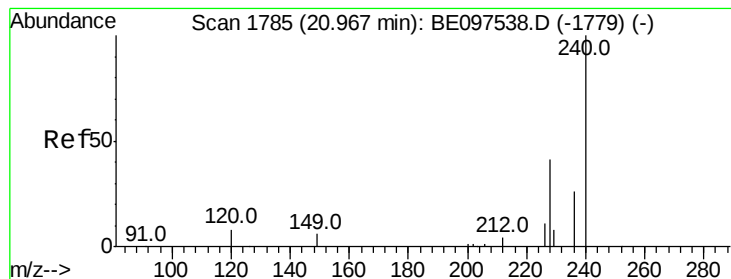


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1785

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

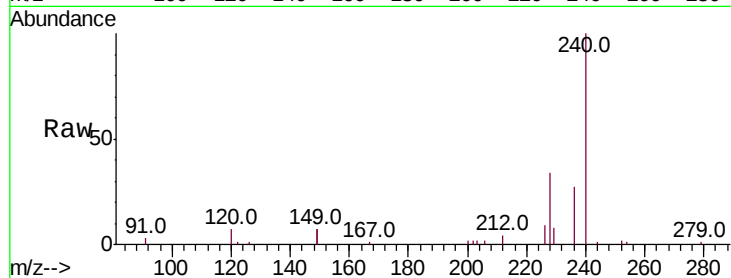
Tot Ion:240 Resp: 7395

Ion Ratio Lower Upper

240 100

120 6.8 5.5 8.3

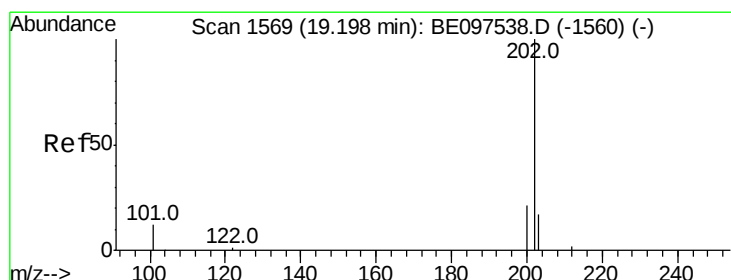
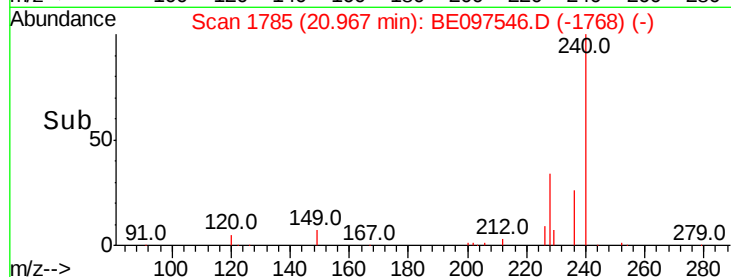
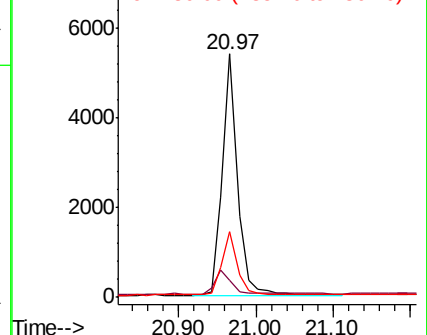
236 26.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.497 ng

RT: 19.19 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

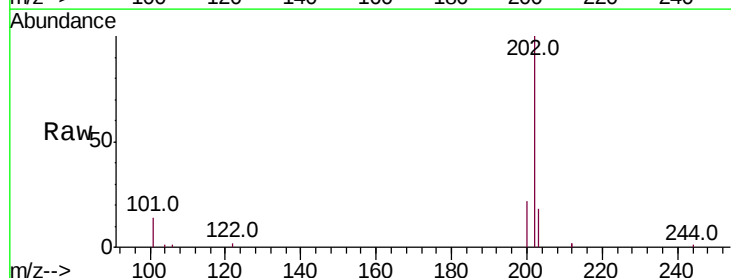
Tgt Ion:202 Resp: 8373

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

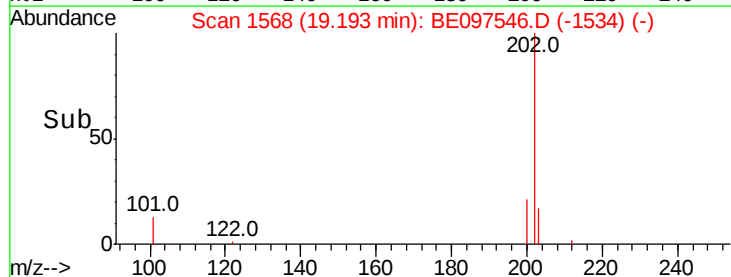
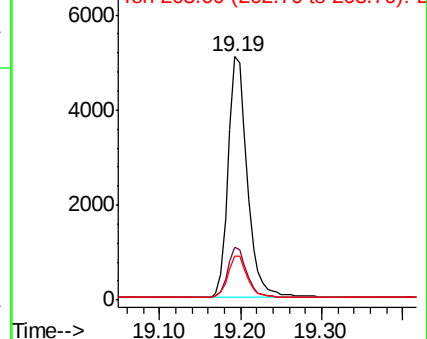
203 17.7 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.461 ng

RT: 19.42 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

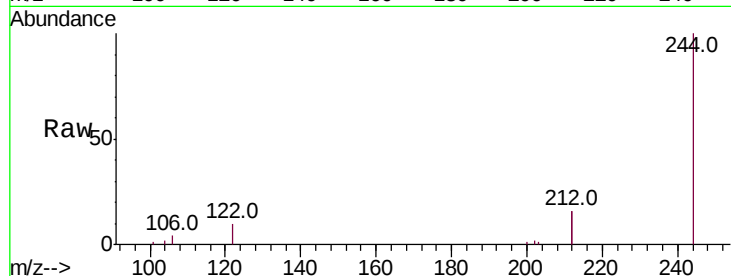
Tot Ion:244 Resp: 6245

Ion Ratio Lower Upper

244 100

212 32.4 25.4 38.0

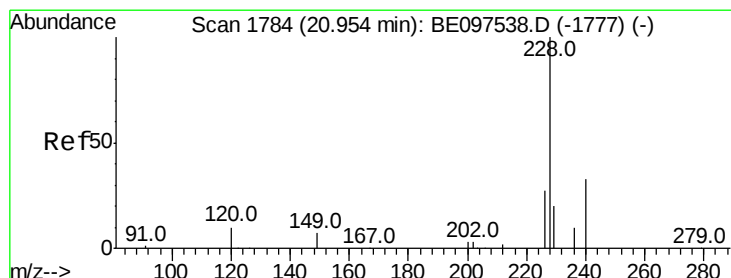
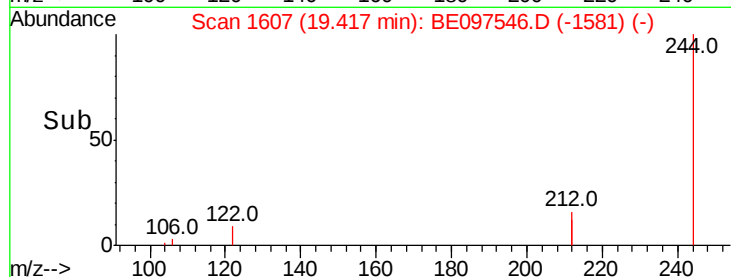
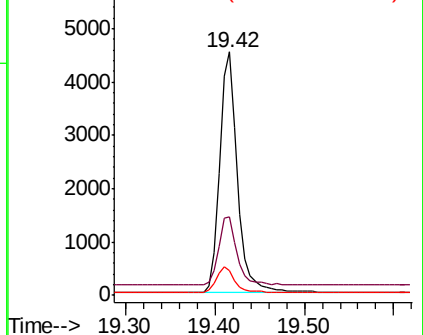
122 10.2 8.1 12.1



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# 1784

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

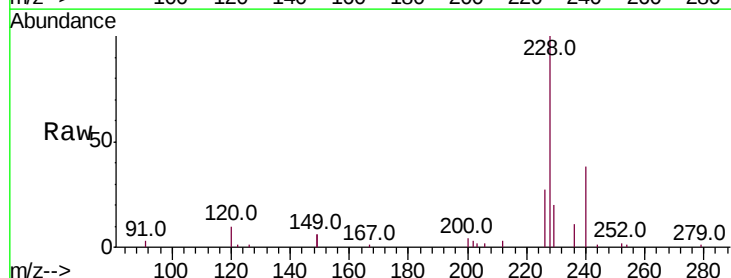
Tgt Ion:228 Resp: 8920

Ion Ratio Lower Upper

228 100

226 27.2 24.0 36.0

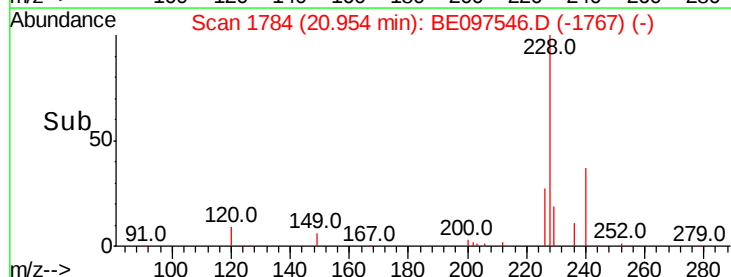
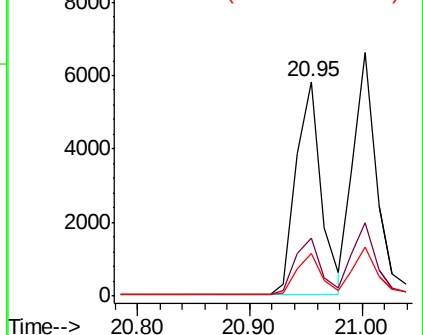
229 20.1 16.0 24.0



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

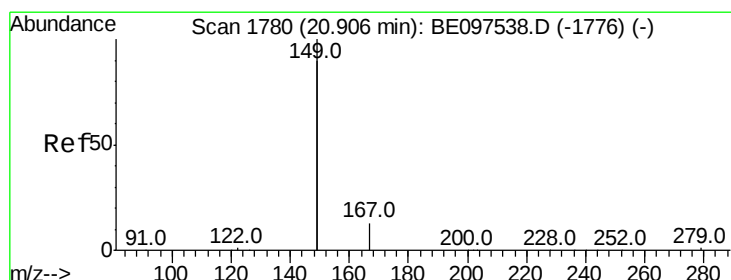
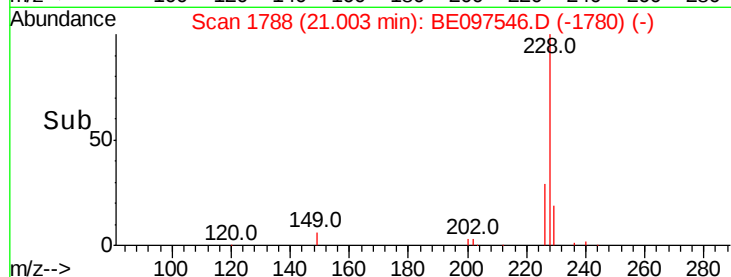
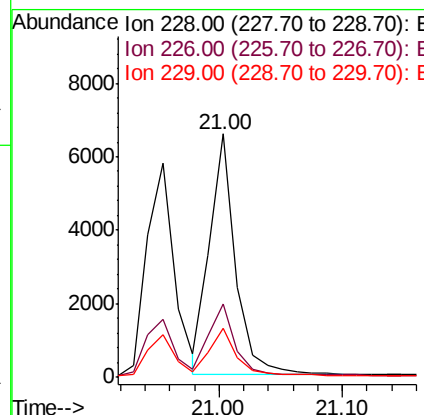
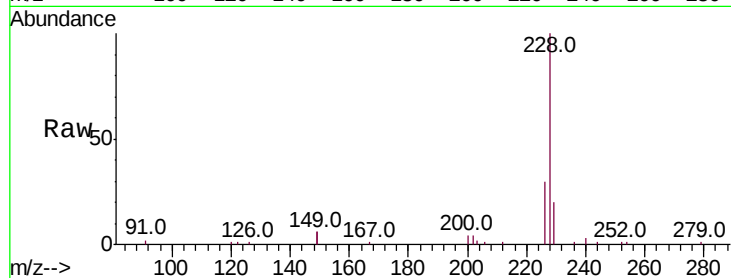




#31
 Chrysene
 Concen: 0.472 ng
 RT: 21.00 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097546.D
 Acq: 19 Sep 2018 18:48

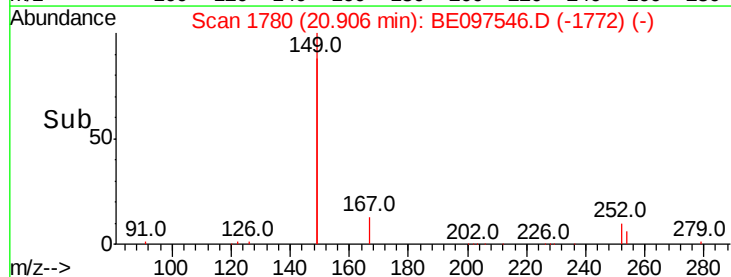
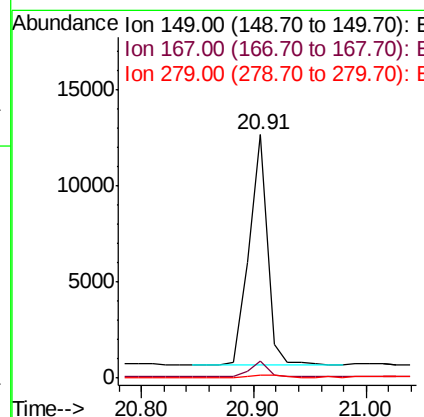
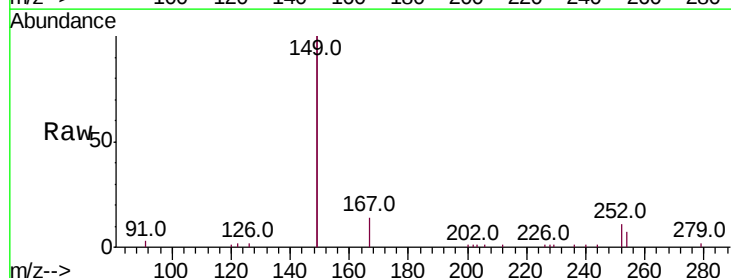
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 9421
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.0 36.0
 229 20.0 16.0 24.0



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.455 ng
 RT: 20.91 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BE097546.D
 Acq: 19 Sep 2018 18:48

Tgt Ion:149 Resp: 13895
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.4 8.0
 279 1.0 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.666 ng

RT: 25.49 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

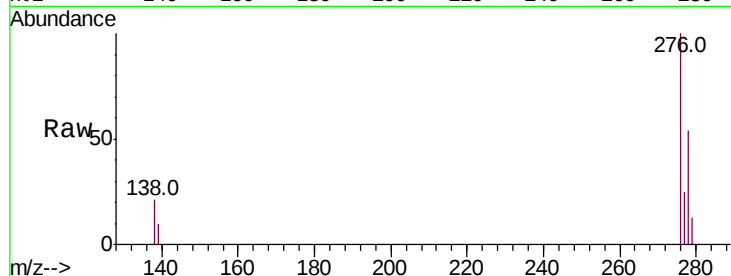
Tot Ion:276 Resp: 16024

Ion Ratio Lower Upper

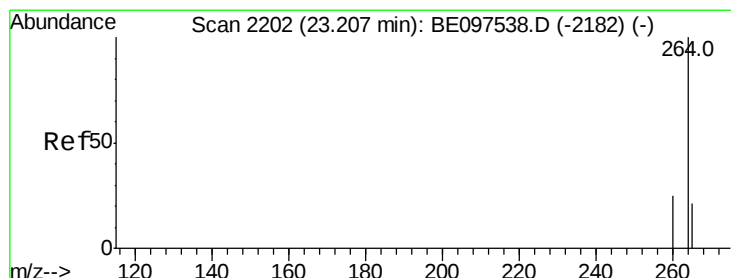
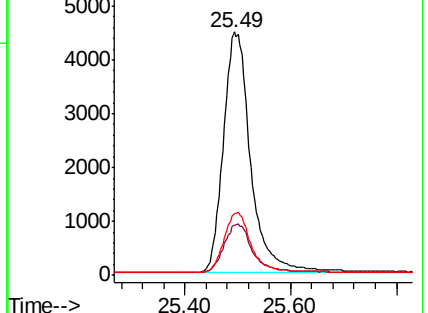
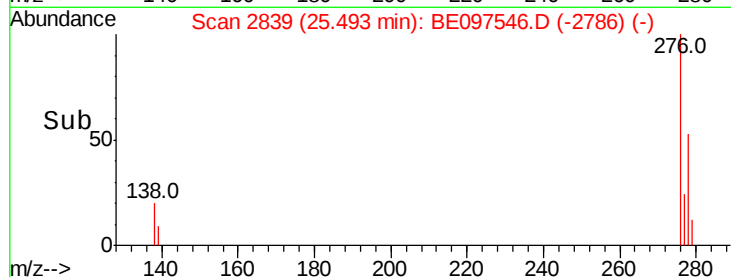
276 100

138 20.9 22.5 33.7#

277 24.7 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# 2201

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

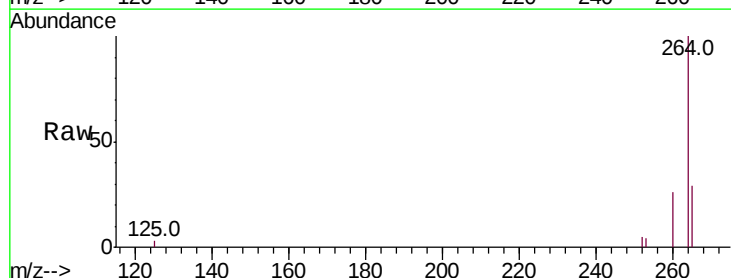
Tgt Ion:264 Resp: 8798

Ion Ratio Lower Upper

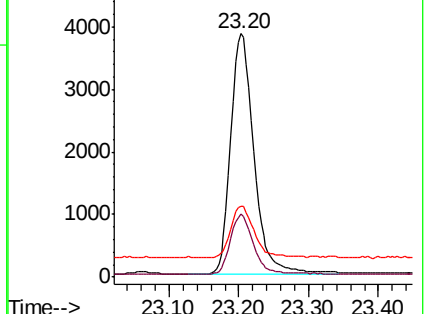
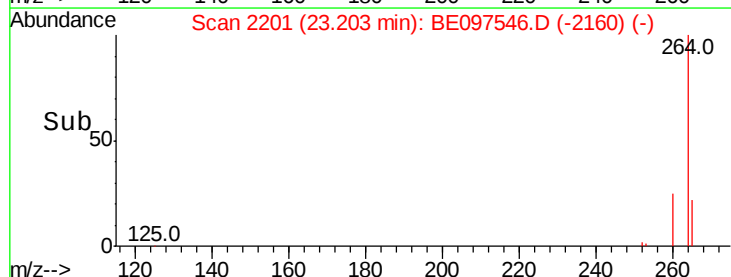
264 100

260 25.7 20.5 30.7

265 29.3 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: 0.462 ng

RT: 22.53 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

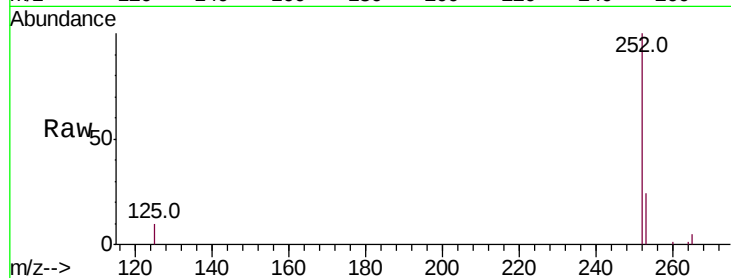
Tot Ion:252 Resp: 10429

Ion Ratio Lower Upper

252 100

253 23.5 20.0 30.0

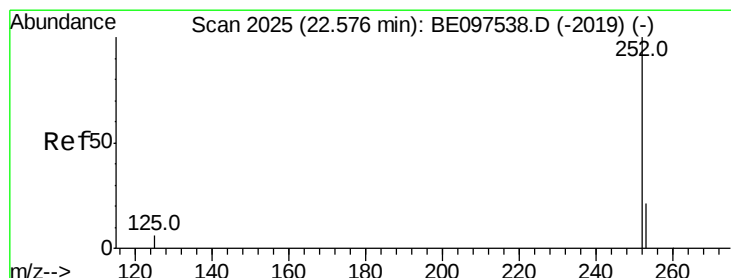
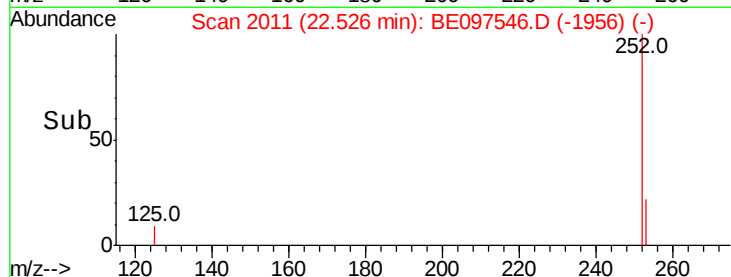
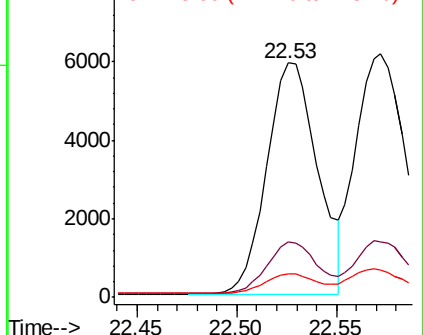
125 10.3 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.444 ng

RT: 22.57 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

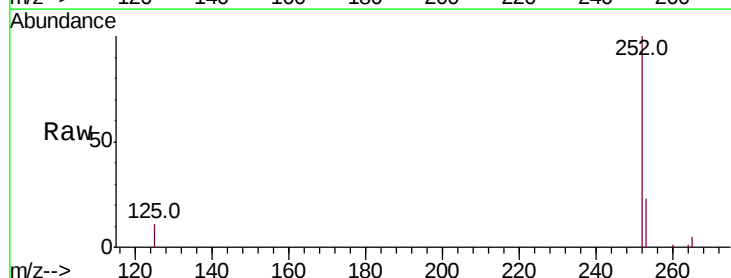
Tgt Ion:252 Resp: 11432

Ion Ratio Lower Upper

252 100

253 22.9 16.0 24.0

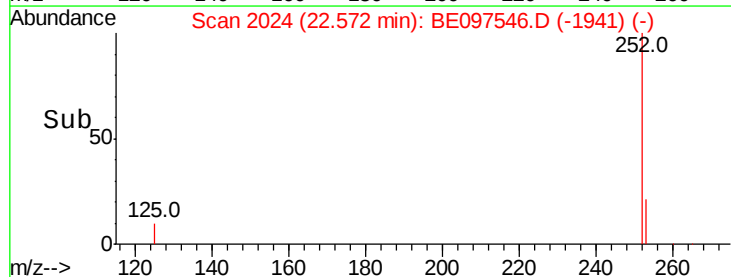
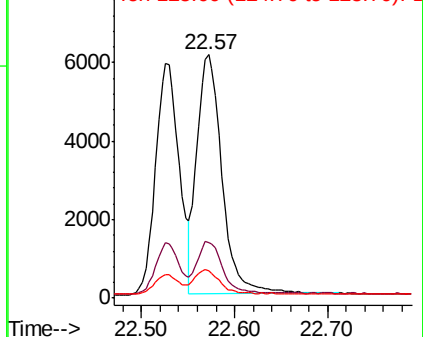
125 11.2 8.0 12.0

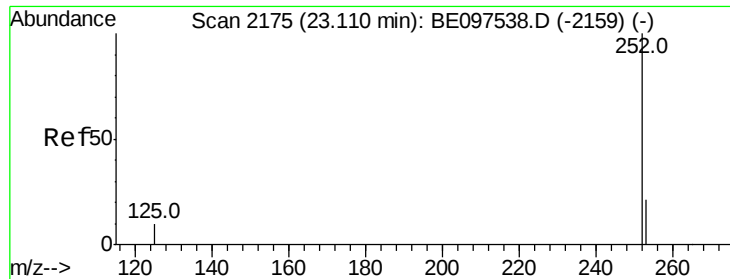


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.479 ng

RT: 23.10 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :

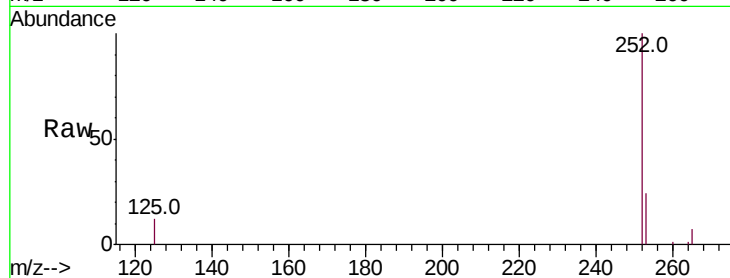
Tot Ion:252 Resp: 10563

Ion Ratio Lower Upper

252 100

253 23.6 16.0 24.0

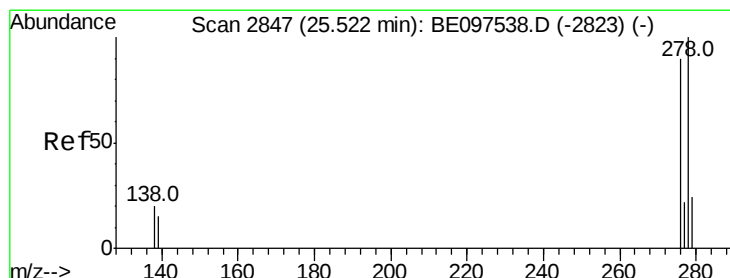
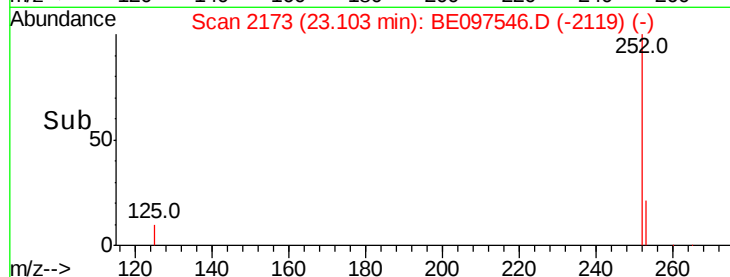
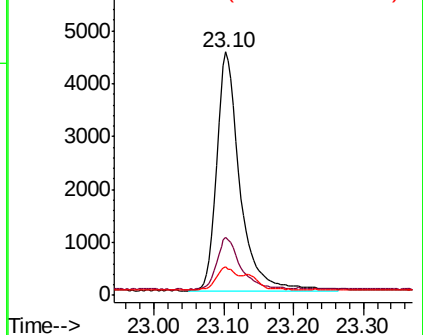
125 11.8 12.0 18.0#



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: 0.577 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

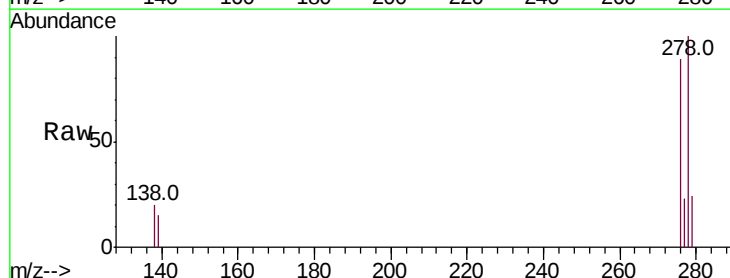
Tgt Ion:278 Resp: 13642

Ion Ratio Lower Upper

278 100

139 15.4 16.0 24.0#

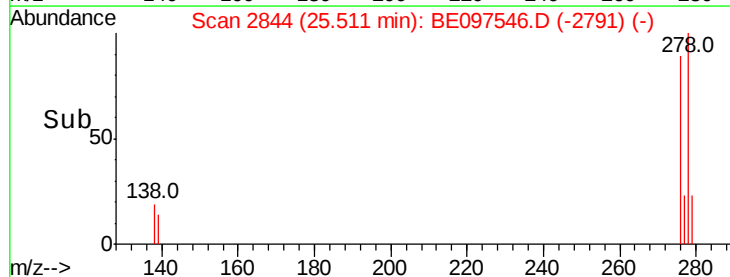
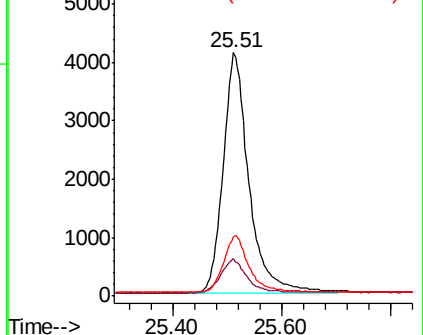
279 24.1 20.0 30.0



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: 0.584 ng

RT: 26.20 min Scan# 3036

Delta R.T. -0.01 min

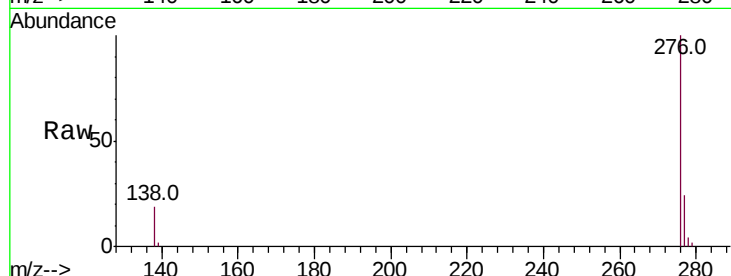
Lab File: BE097546.D

Acq: 19 Sep 2018 18:48

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 13421

Ion Ratio Lower Upper

276 100

277 24.4 16.0 24.0#

138 18.8 20.0 30.0#

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

