

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121918\
 Data File : BE098528.D
 Acq On : 19 Dec 2018 14:40
 Operator : SJ/JU
 Sample : J6358-11MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 19 16:18:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	723	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	3625	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2624	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	6248	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	7894	0.40	ng	-0.01
34) Perylene-d12	23.98	264	6965	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	477	0.28	ng	0.00
5) Phenol-d6	7.03	99	456	0.19	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1380	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2756	0.47	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	724	0.75	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	5374	0.49	ng	-0.02
25) Fluoranthene-d10	19.29	212	36484	0.46	ng	-0.02
29) Terphenyl-d14	19.89	244	8720	0.45	ng	-0.02

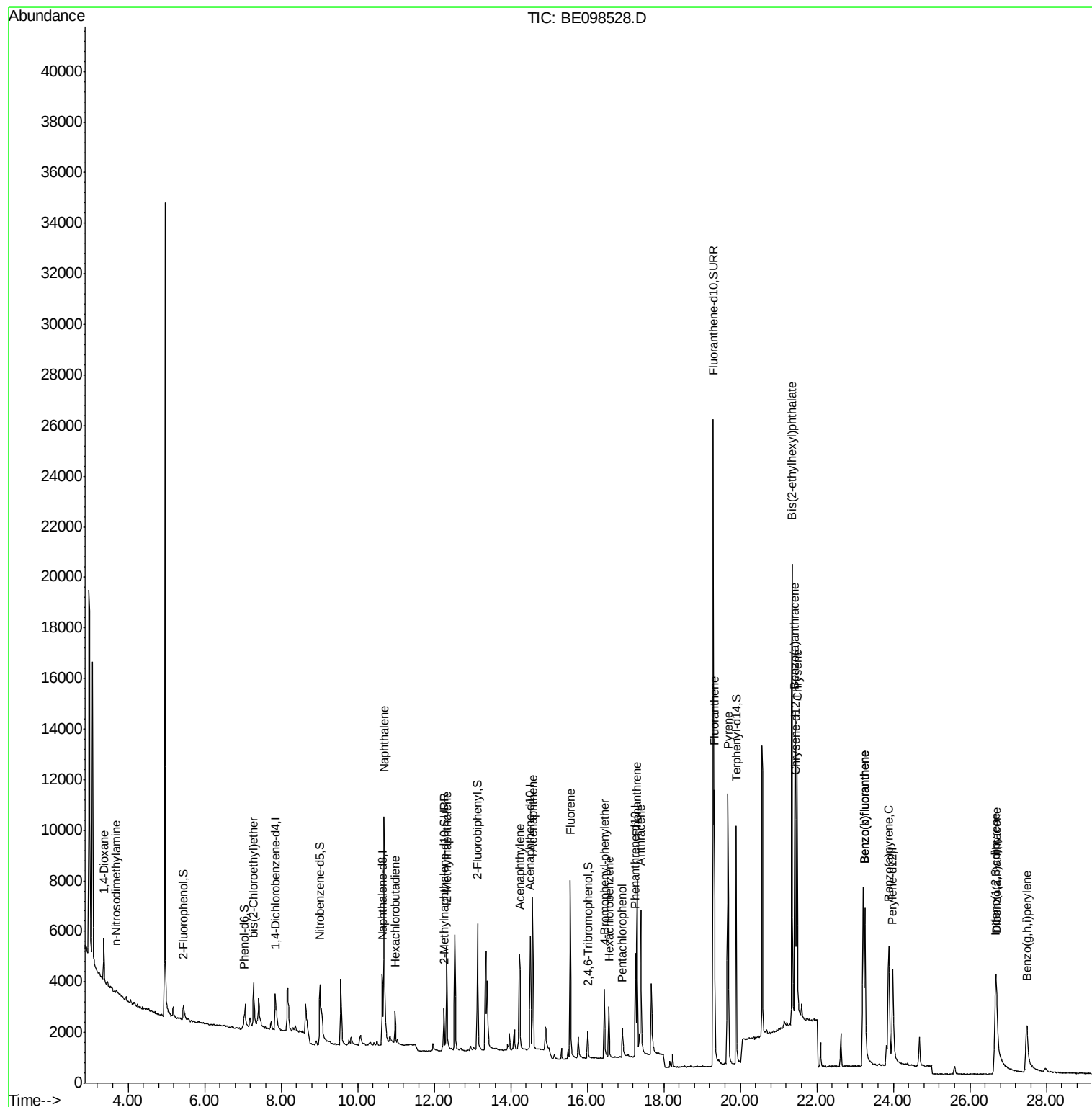
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	903	0.722	ng	# 89
3) n-Nitrosodimethylamine	3.69	42	155	0.138	ng	# 100
6) bis(2-Chloroethyl)ether	7.27	93	940	0.413	ng	96
9) Naphthalene	10.69	128	17183	0.471	ng	99
10) Hexachlorobutadiene	10.98	225	910	0.392	ng	97
12) 2-Methylnaphthalene	12.32	142	3153	0.532	ng	98
16) Acenaphthylene	14.23	152	5155	0.419	ng	99
17) Acenaphthene	14.57	154	3182	0.431	ng	99
18) Fluorene	15.55	166	4612	0.467	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	1572	0.467	ng	# 84
21) Hexachlorobenzene	16.57	284	1709	0.473	ng	99
22) Pentachlorophenol	16.92	266	818	1.131	ng	98
23) Phenanthrene	17.30	178	7723	0.509	ng	99
24) Anthracene	17.40	178	6574	0.486	ng	99
26) Fluoranthene	19.32	202	10034	0.500	ng	99
28) Pyrene	19.68	202	10376	0.419	ng	99
30) Benzo(a)anthracene	21.43	228	10892	0.485	ng	99
31) Chrysene	21.49	228	10328	0.439	ng	98
32) Bis(2-ethylhexyl)phthalate	21.36	149	22716	0.498	ng	99
33) Indeno(1,2,3-cd)pyrene	26.67	276	3156	0.135	ng	# 73
35) Benzo(b)fluoranthene	23.26	252	11158	0.586	ng	97
36) Benzo(k)fluoranthene	23.26	252	11158	0.503	ng	98
37) Benzo(a)pyrene	23.87	252	10155	0.517	ng	98
38) Dibenzo(a,h)anthracene	26.69	278	7028	0.380	ng	# 95
39) Benzo(g,h,i)perylene	27.49	276	6945	0.372	ng	98

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

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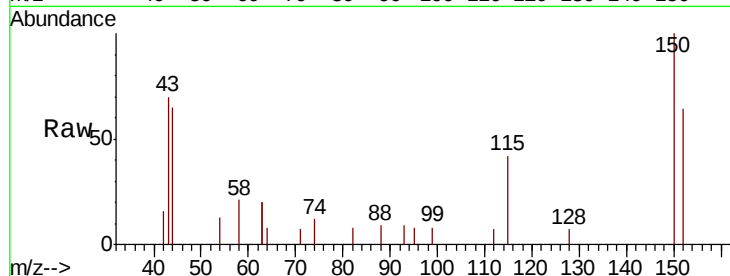


#1

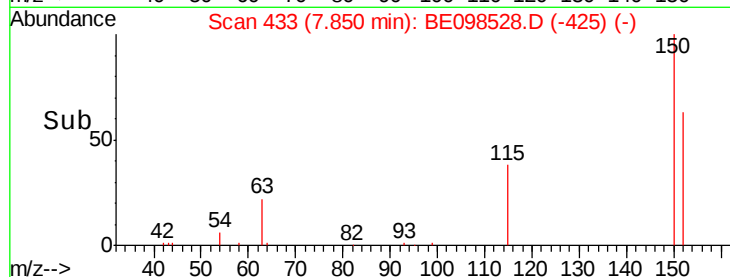
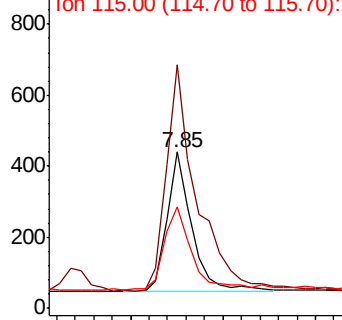
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 723
Ion Ratio Lower Upper
152 100
150 155.9 124.2 186.4
115 65.0 53.9 80.9



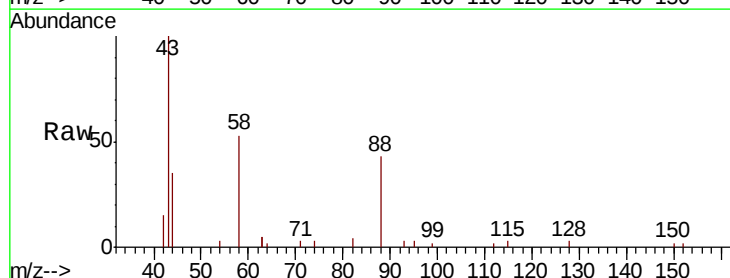
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



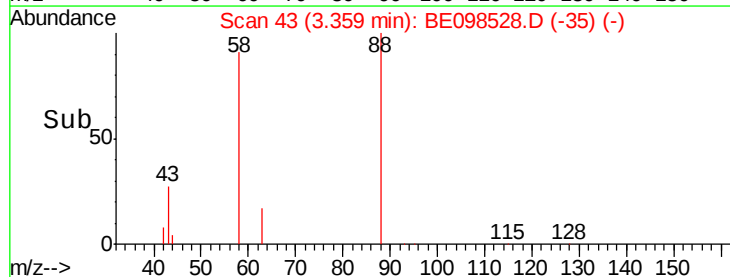
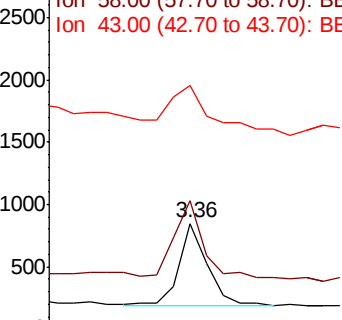
#2

1,4-Dioxane
Concen: 0.722 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion: 88 Resp: 903
Ion Ratio Lower Upper
88 100
58 90.9 75.0 112.6
43 66.9 38.3 57.5#



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



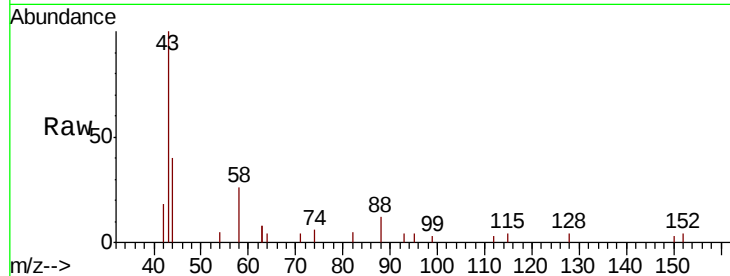


#3

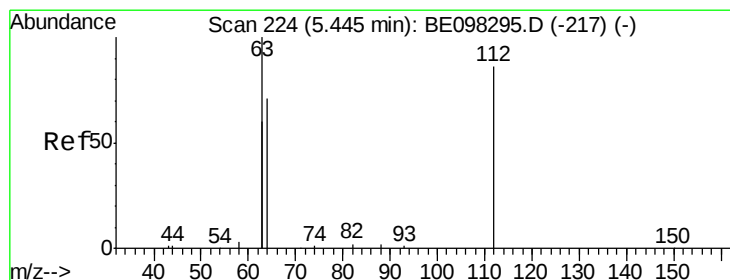
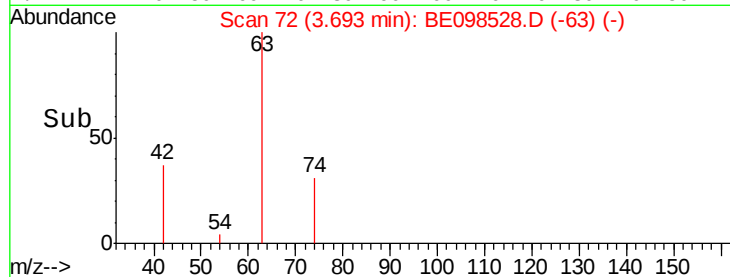
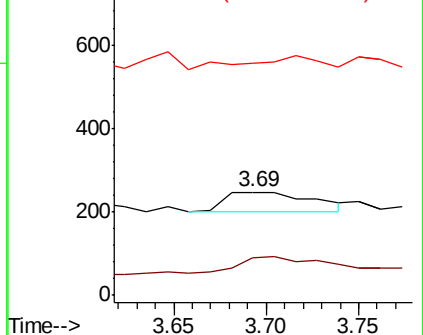
n-Nitrosodimethylamine
 Concen: 0.138 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	42	Resp:	155
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0



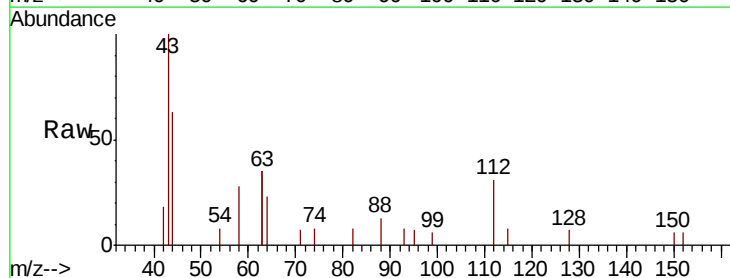
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



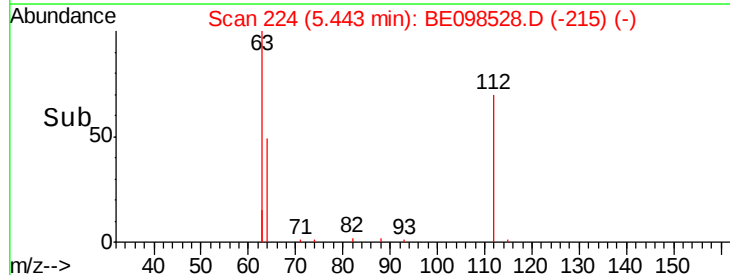
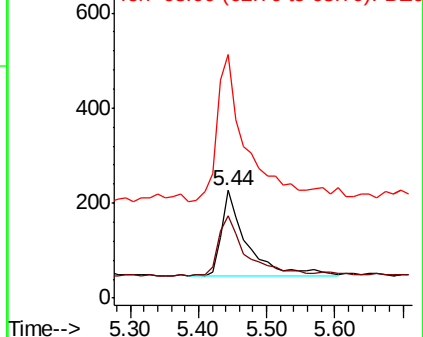
#4

2-Fluorophenol
 Concen: 0.282 ng
 RT: 5.44 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: BE098528.D
 Acq: 19 Dec 2018 14:40

Tgt Ion:	112	Resp:	477
Ion	Ratio	Lower	Upper
112	100		
64	80.3	59.8	89.8
63	192.0	133.7	200.5



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: 0.190 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

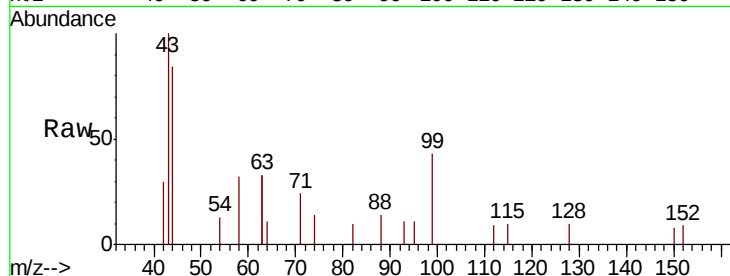
Tot Ion: 99 Resp: 456

Ion Ratio Lower Upper

99 100

42 34.0 26.3 39.5

71 48.2 33.6 50.4



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

7.03

250

200

150

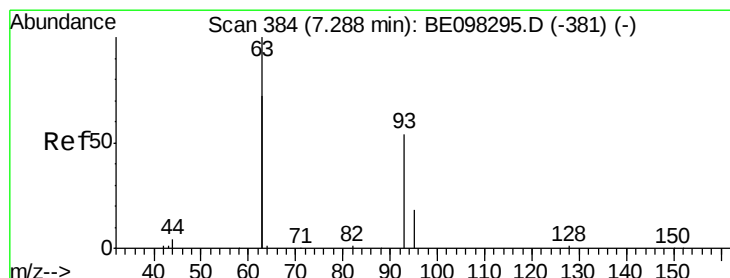
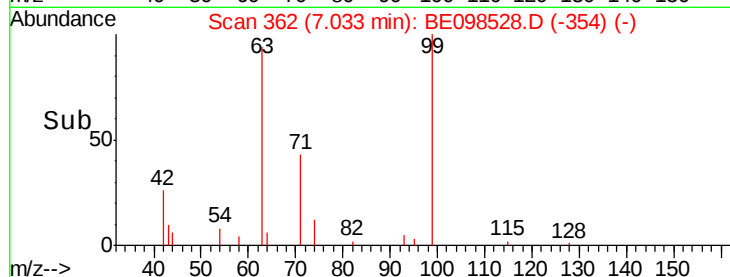
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.413 ng

RT: 7.27 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

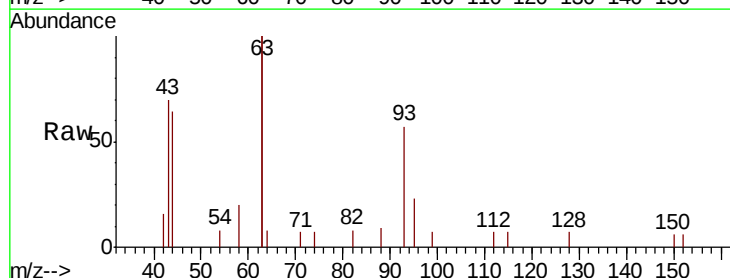
Tgt Ion: 93 Resp: 940

Ion Ratio Lower Upper

93 100

63 322.8 264.4 396.6

95 34.3 26.6 40.0



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

2000

1500

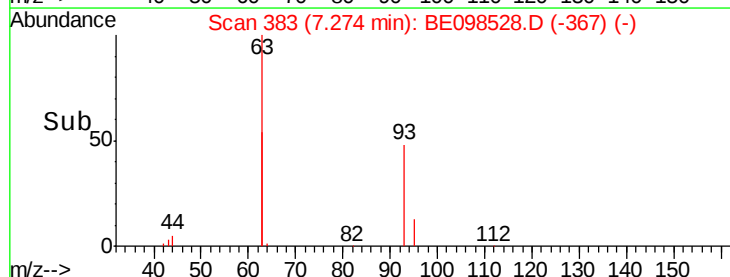
1000

500

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3625

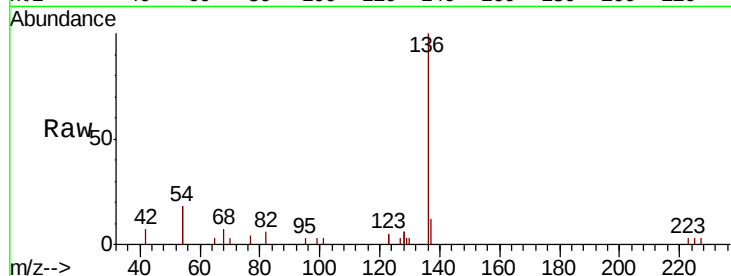
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 37.0 28.4 42.6

68 6.6 5.4 8.0

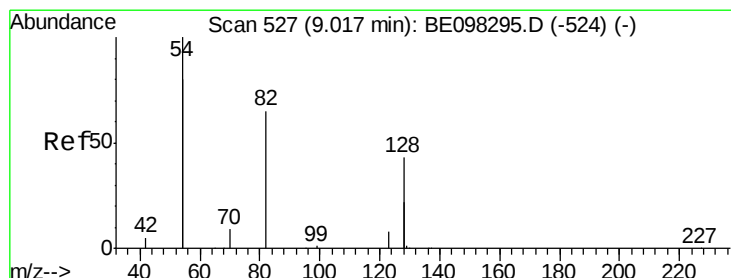
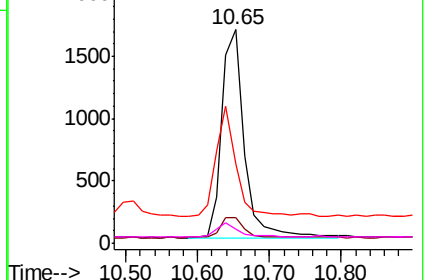
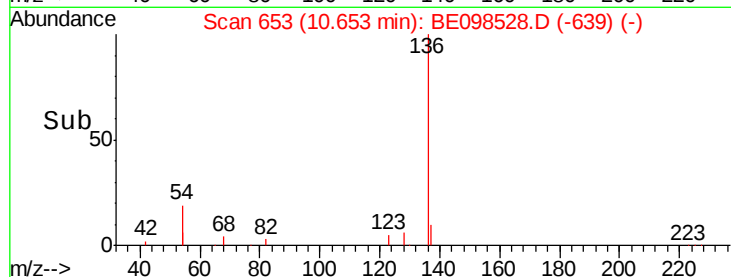


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.418 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

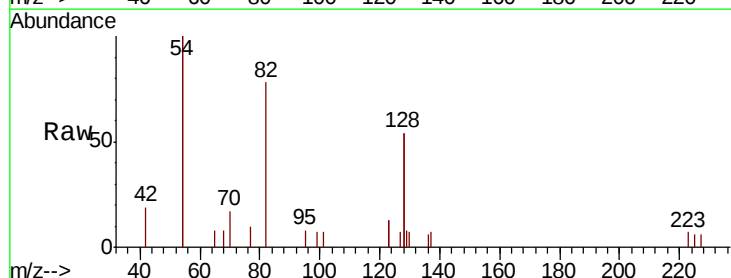
Tgt Ion: 82 Resp: 1380

Ion Ratio Lower Upper

82 100

128 139.6 102.4 153.6

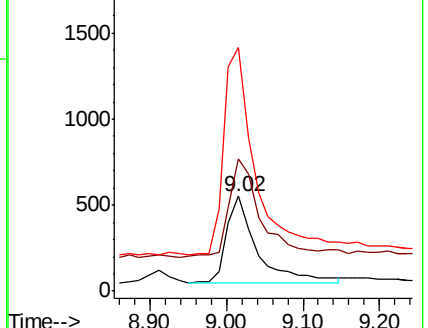
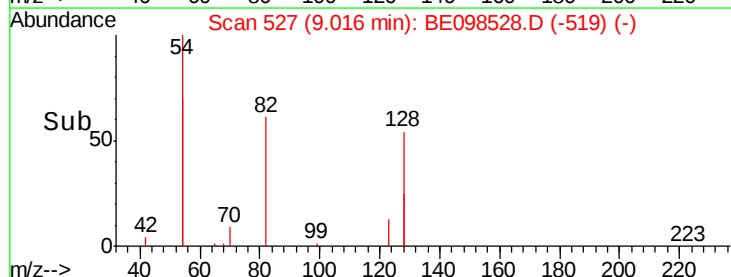
54 257.5 221.8 332.8

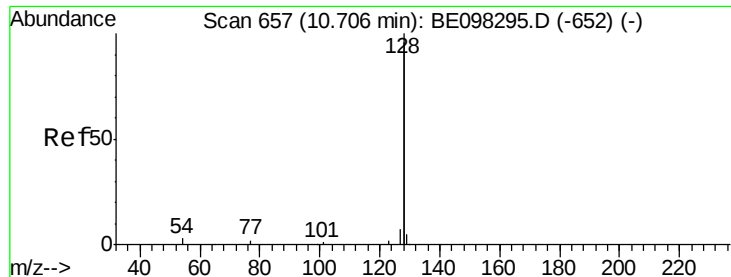


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.471 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampled :

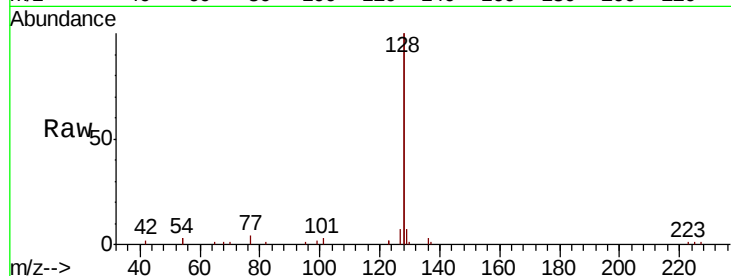
Tot Ion:128 Resp: 17183

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

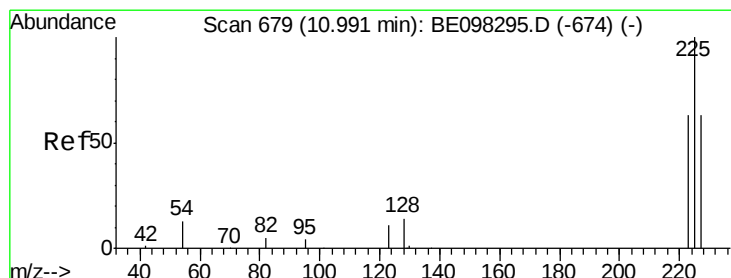
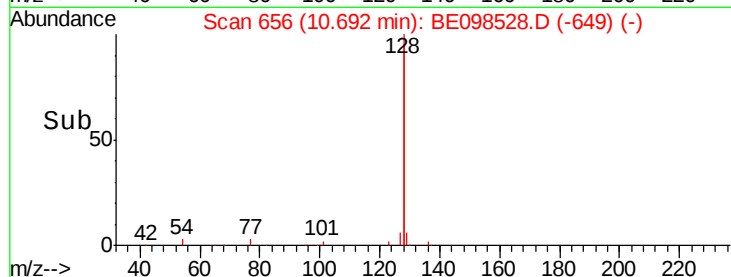
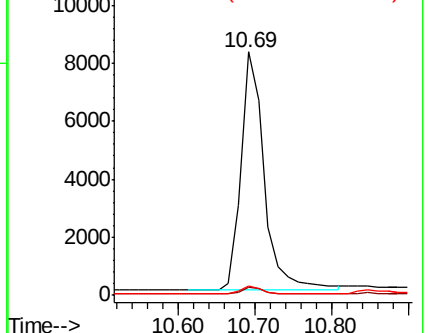
127 3.7 2.7 4.1



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: 0.392 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

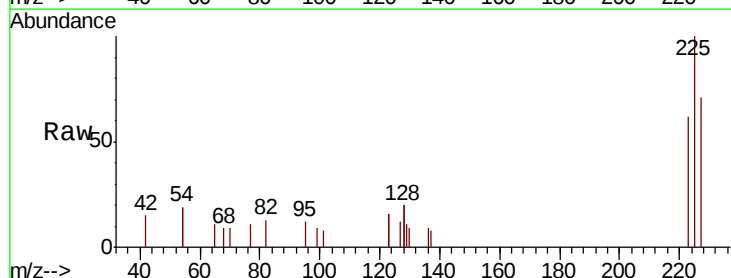
Tgt Ion:225 Resp: 910

Ion Ratio Lower Upper

225 100

223 60.8 49.4 74.0

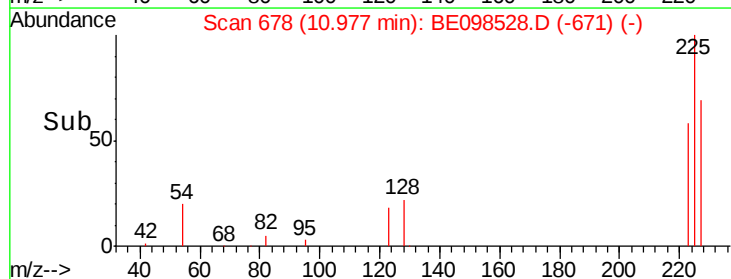
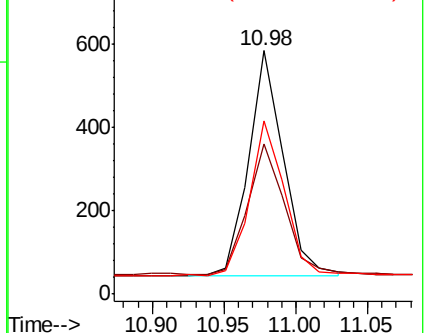
227 68.9 52.0 78.0



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: 0.468 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

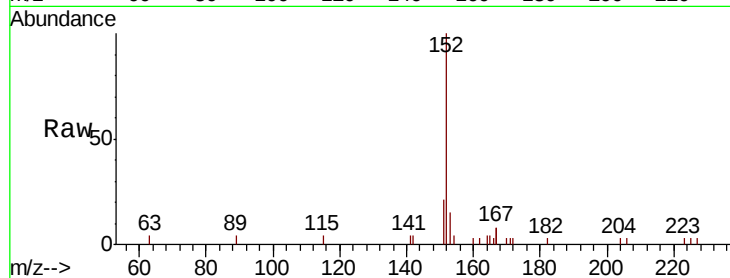
ClientSampleId :

Tot Ion:152 Resp: 2756

Ion Ratio Lower Upper

152 100

151 18.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.25

1500

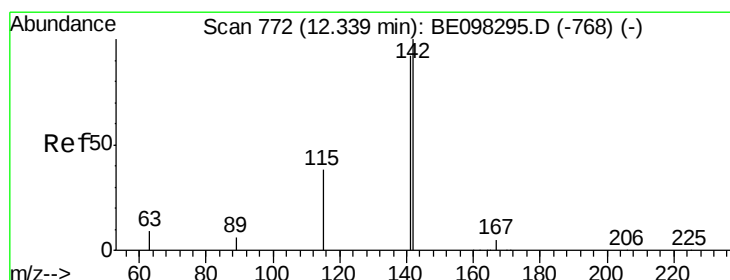
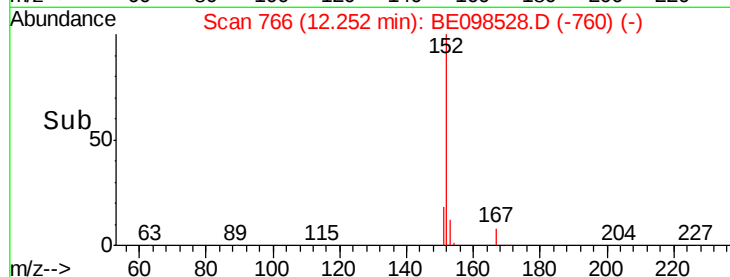
1000

500

0

12.20 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.532 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

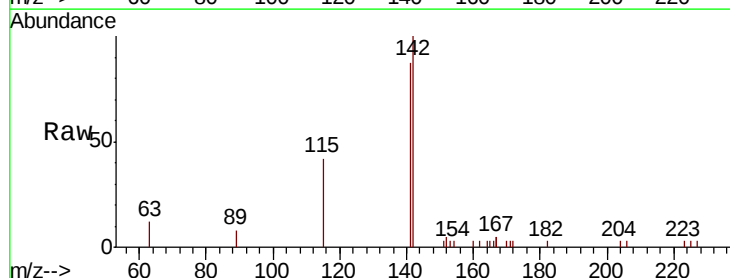
Tgt Ion:142 Resp: 3153

Ion Ratio Lower Upper

142 100

141 87.0 71.0 106.6

115 42.5 32.2 48.2



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

12.32

2000

1500

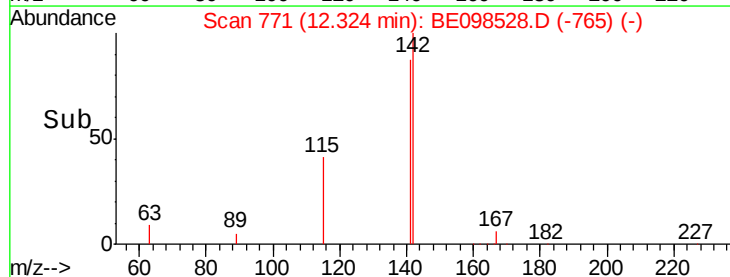
1000

500

0

12.30 12.40

Time-->

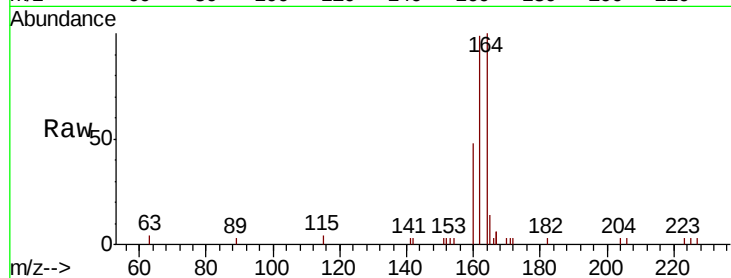




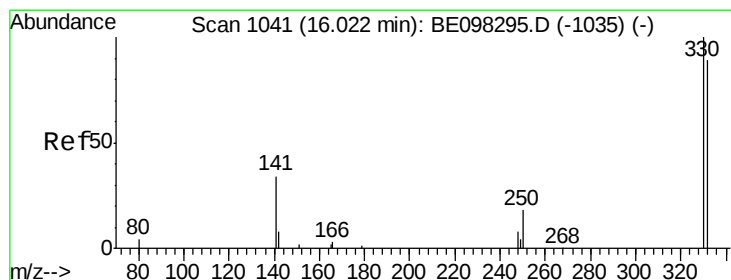
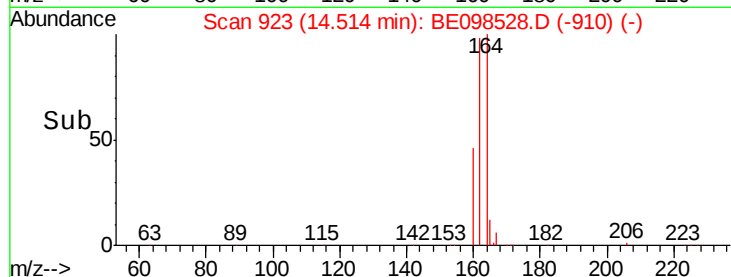
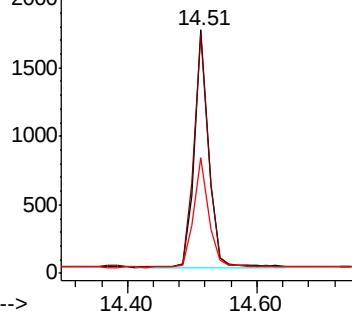
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2624
Ion Ratio Lower Upper
164 100
162 98.6 77.6 116.4
160 47.6 36.0 54.0

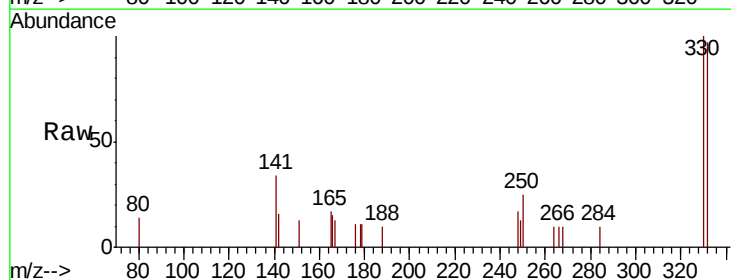


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

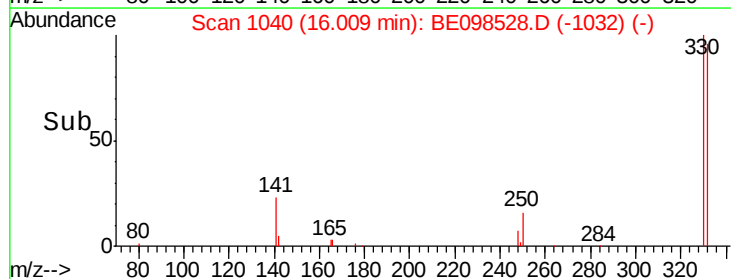
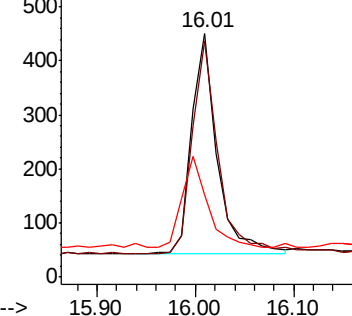


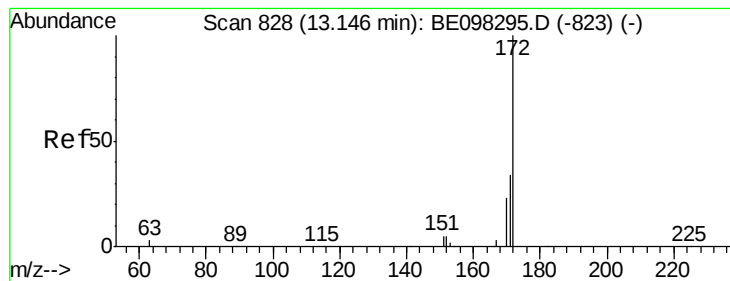
#14
2,4,6-Tribromophenol
Concen: 0.752 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion:330 Resp: 724
Ion Ratio Lower Upper
330 100
332 100.7 76.2 114.4
141 42.8 39.0 58.4



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: 0.486 ng

RT: 13.13 min Scan# 827

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

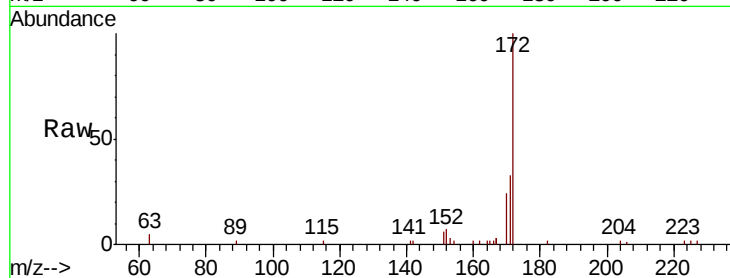
Tot Ion:172 Resp: 5374

Ion Ratio Lower Upper

172 100

171 32.9 27.5 41.3

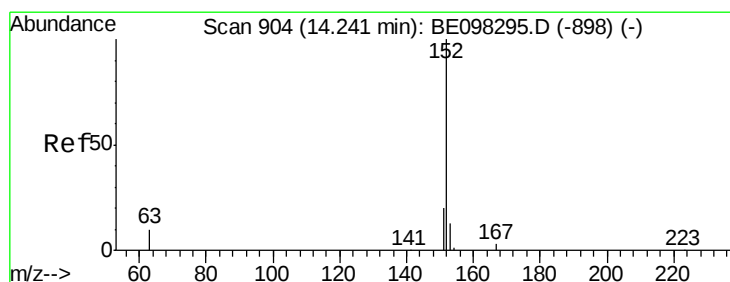
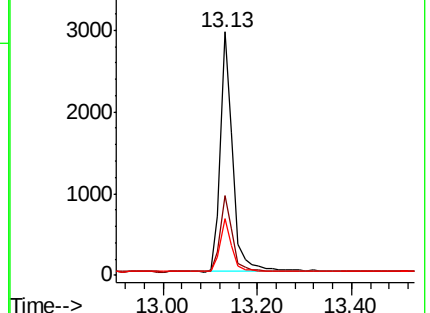
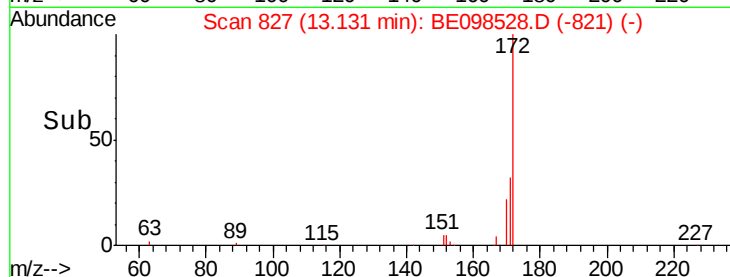
170 23.5 19.6 29.4



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: 0.419 ng

RT: 14.23 min Scan# 903

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

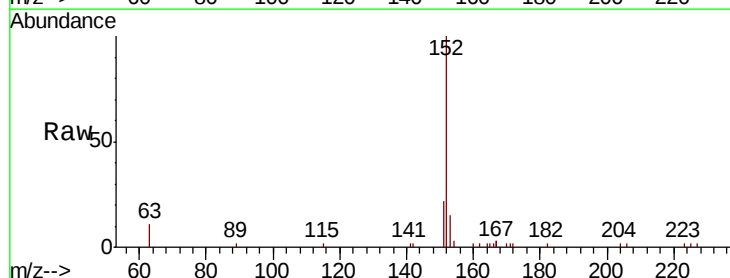
Tgt Ion:152 Resp: 5155

Ion Ratio Lower Upper

152 100

151 20.3 15.5 23.3

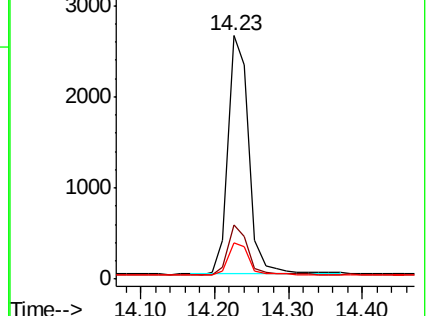
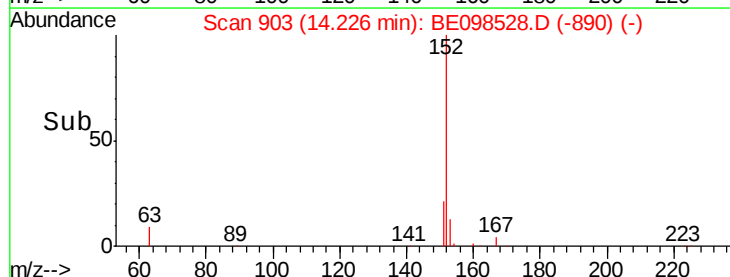
153 13.4 10.6 16.0



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: 14.57 min Scan# 927

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

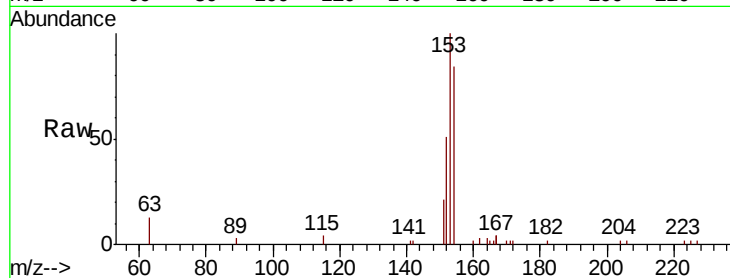
Tot Ion:154 Resp: 3182

Ion Ratio Lower Upper

154 100

153 115.9 91.8 137.6

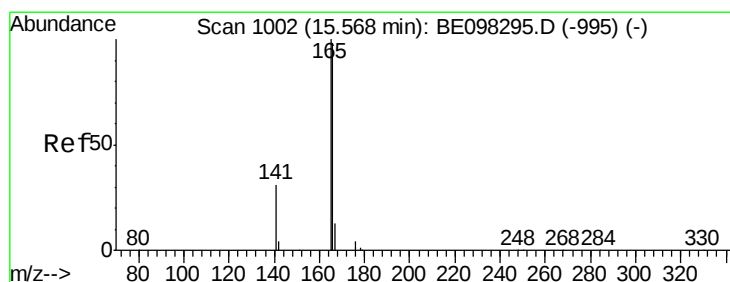
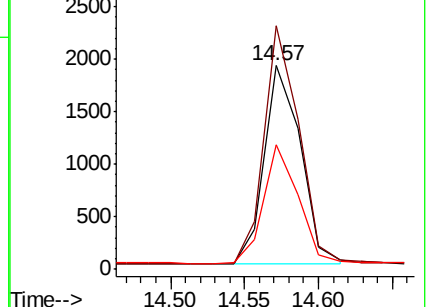
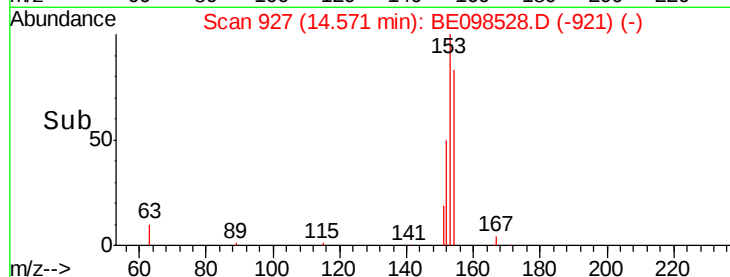
152 58.3 45.5 68.3



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: 0.467 ng

RT: 15.55 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

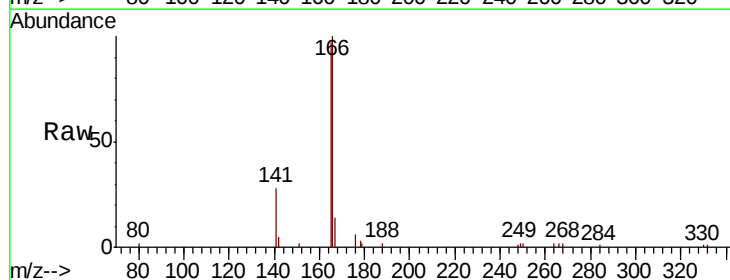
Tgt Ion:166 Resp: 4612

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

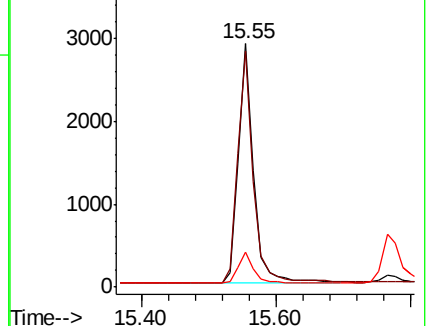
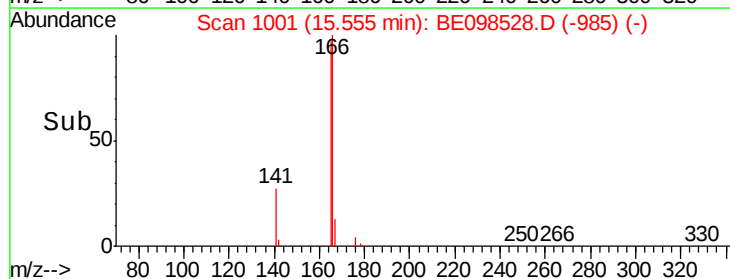
167 13.6 11.3 16.9



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: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

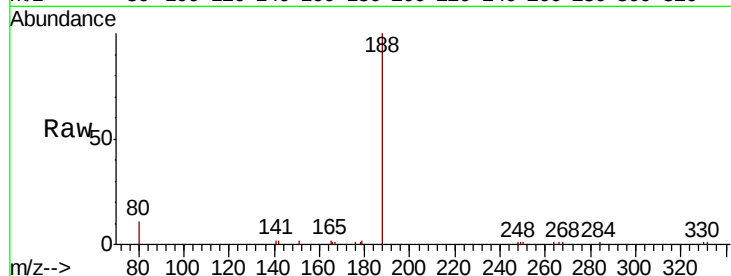
Tot Ion:188 Resp: 6248

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

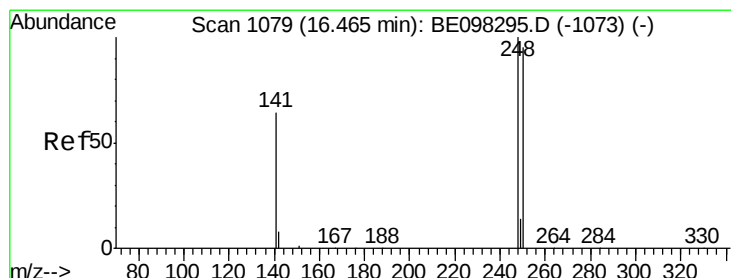
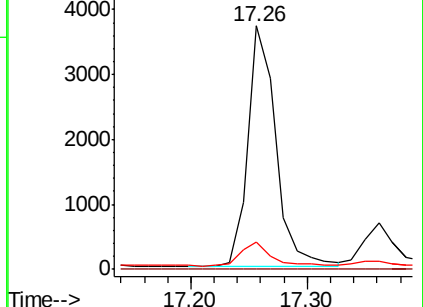
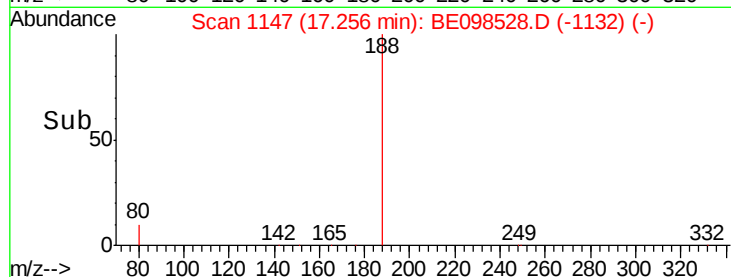
80 11.4 7.2 10.8#



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: 0.467 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

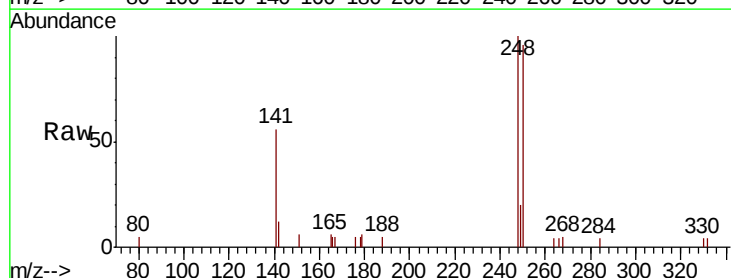
Tgt Ion:248 Resp: 1572

Ion Ratio Lower Upper

248 100

250 96.3 71.0 106.6

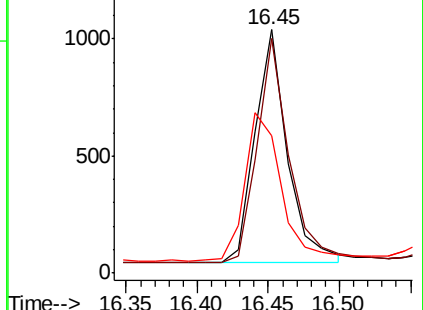
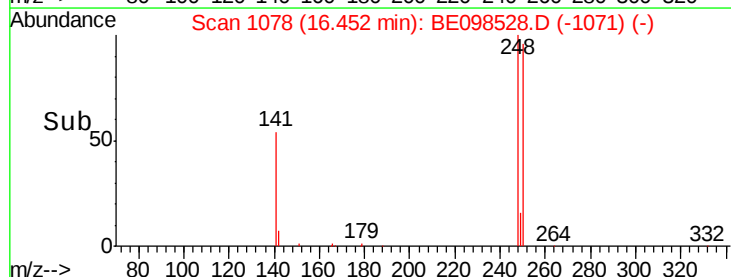
141 56.3 62.1 93.1#



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: 0.473 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

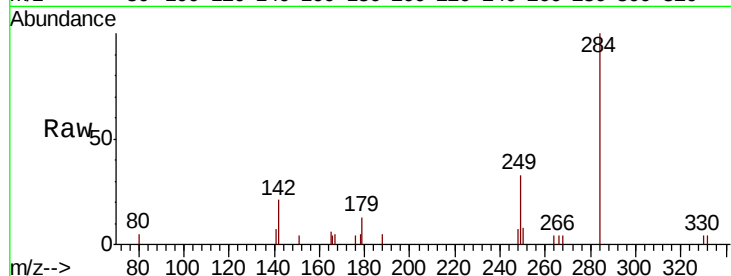
Tot Ion:284 Resp: 1709

Ion Ratio Lower Upper

284 100

142 33.8 26.3 39.5

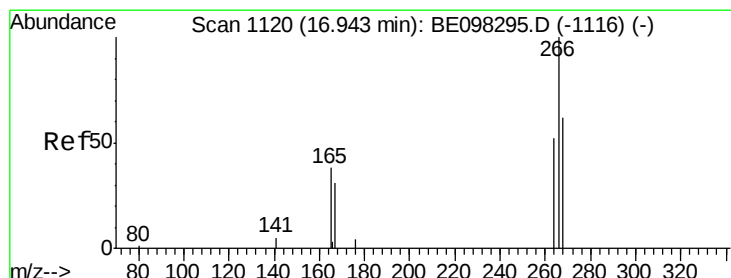
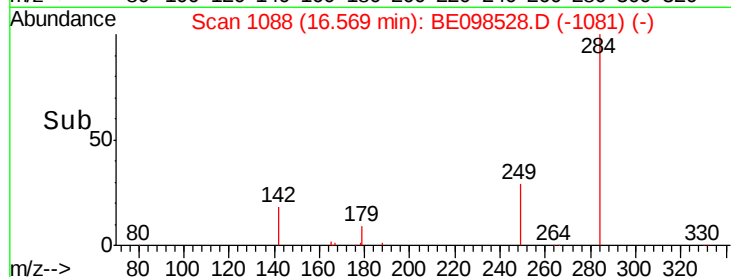
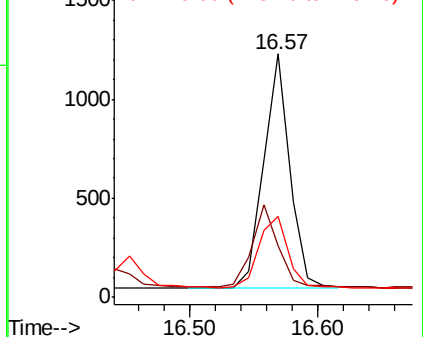
249 33.1 26.0 39.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.131 ng

RT: 16.92 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

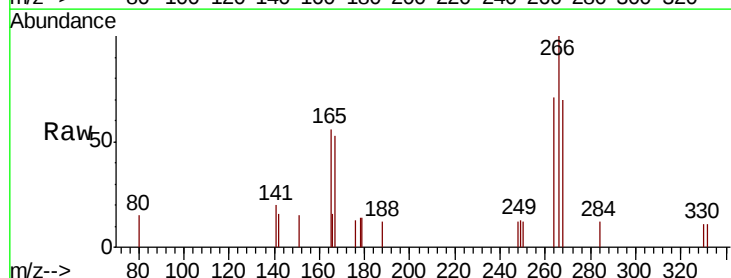
Tgt Ion:266 Resp: 818

Ion Ratio Lower Upper

266 100

264 70.9 59.0 88.4

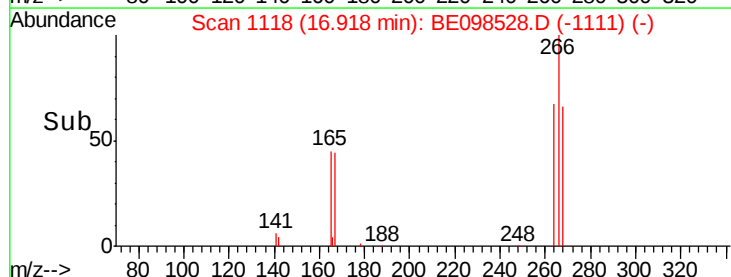
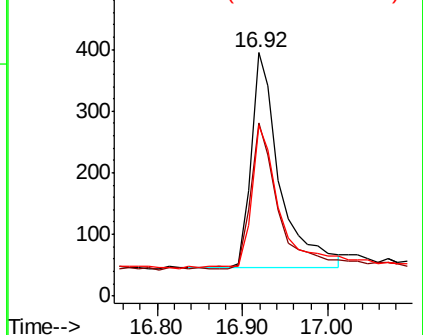
268 70.1 55.1 82.7



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

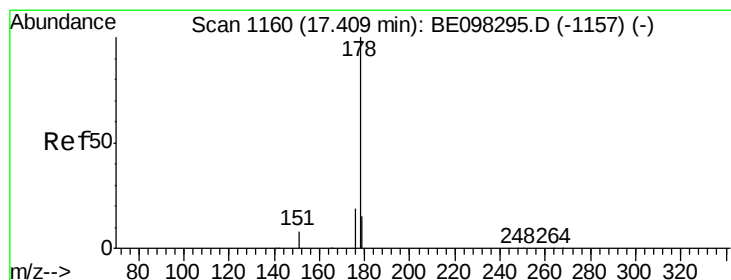
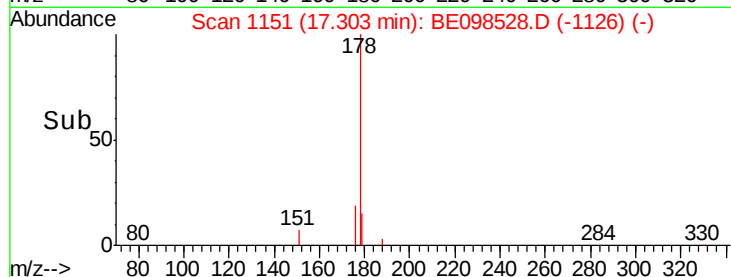
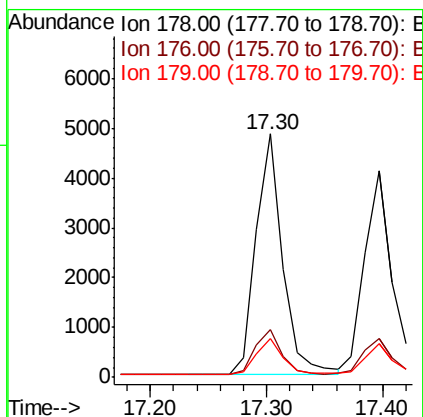
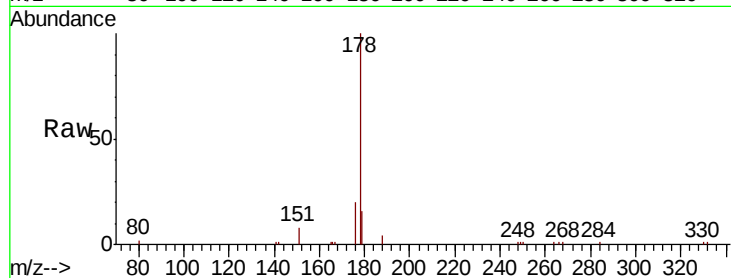




#23
Phenanthrene
Concen: 0.509 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

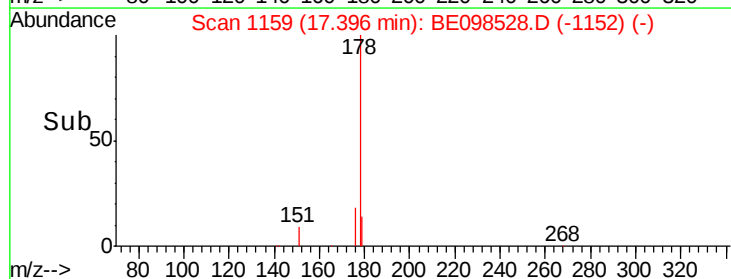
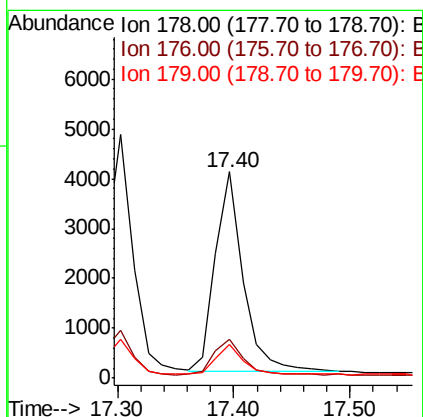
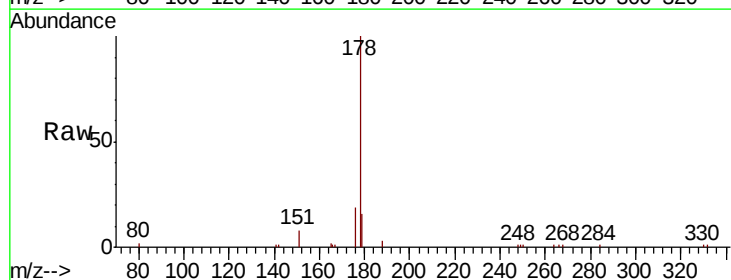
Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 7723
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.0 12.3 18.5



#24
Anthracene
Concen: 0.486 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion:178 Resp: 6574
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.0 12.3 18.5





#25

Fluoranthene-d10

Concen: 0.455 ng

RT: 19.29 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

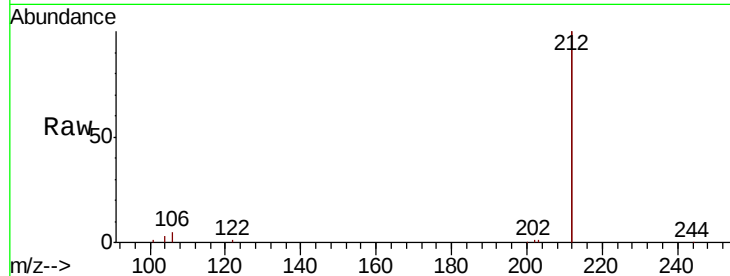
Tot Ion:212 Resp: 36484

Ion Ratio Lower Upper

212 100

106 2.4 2.2 3.2

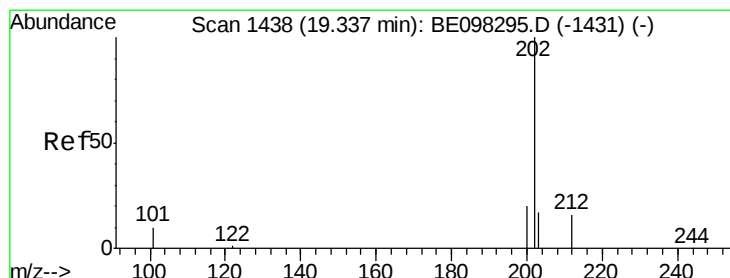
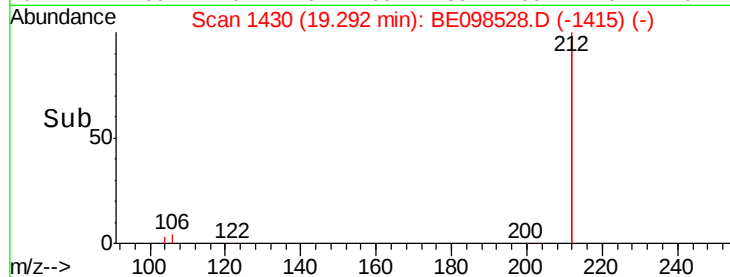
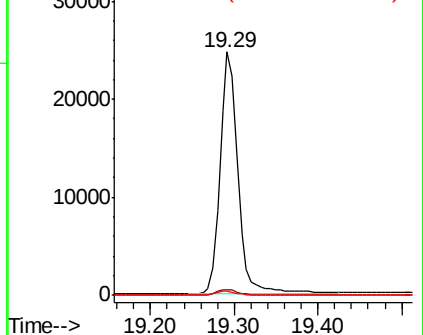
104 1.4 1.3 1.9



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: 0.500 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

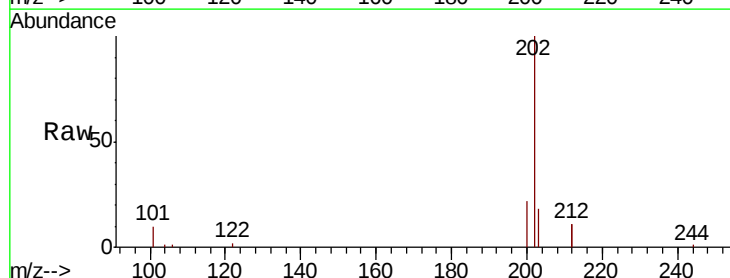
Tgt Ion:202 Resp: 10034

Ion Ratio Lower Upper

202 100

101 9.0 8.0 12.0

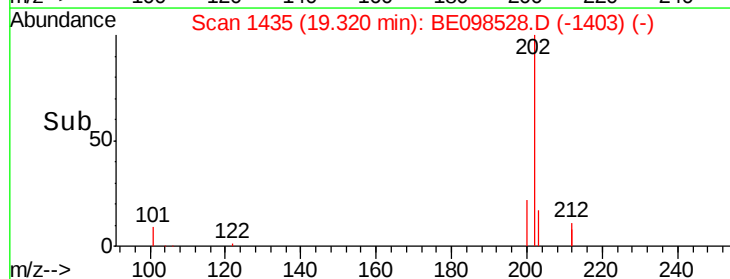
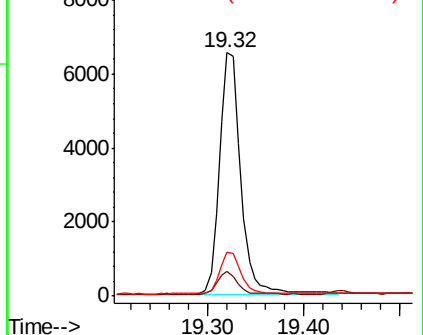
203 17.0 13.8 20.6



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: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

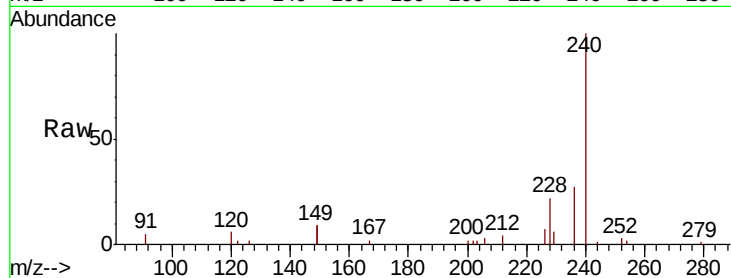
Tot Ion:240 Resp: 7894

Ion Ratio Lower Upper

240 100

120 5.8 9.5 14.3#

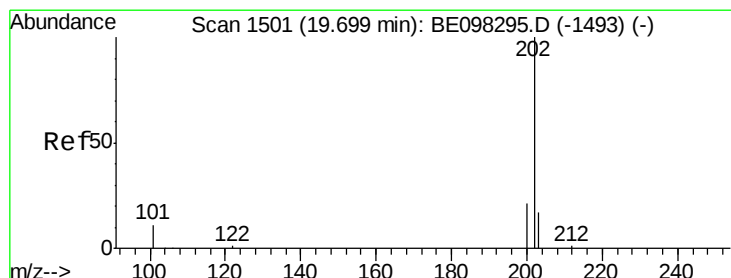
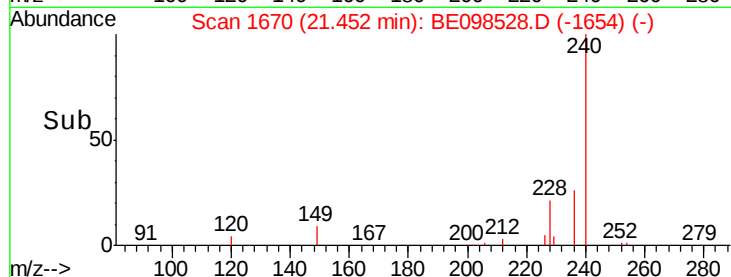
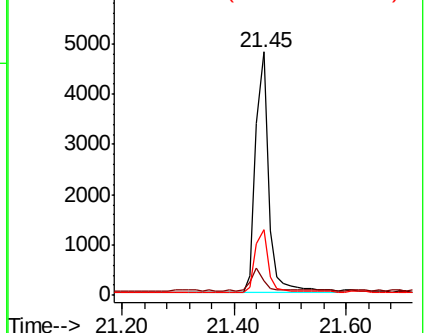
236 26.8 22.7 34.1



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: 0.419 ng

RT: 19.68 min Scan# 1498

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

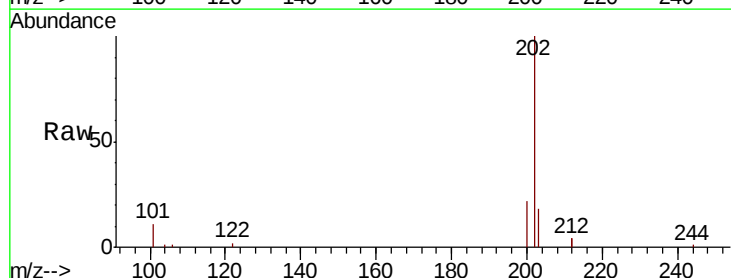
Tgt Ion:202 Resp: 10376

Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

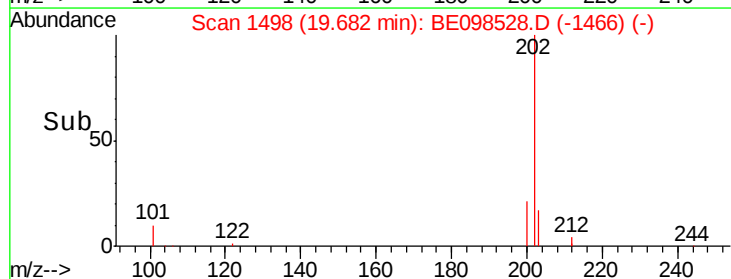
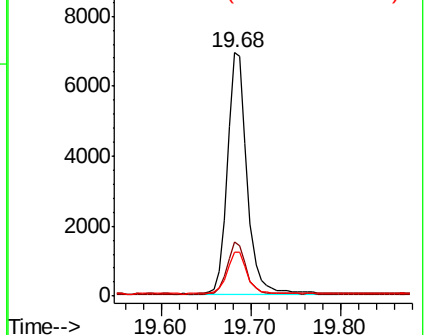
203 18.1 14.1 21.1

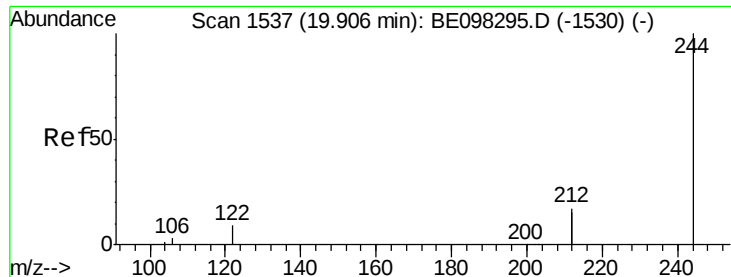


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.455 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

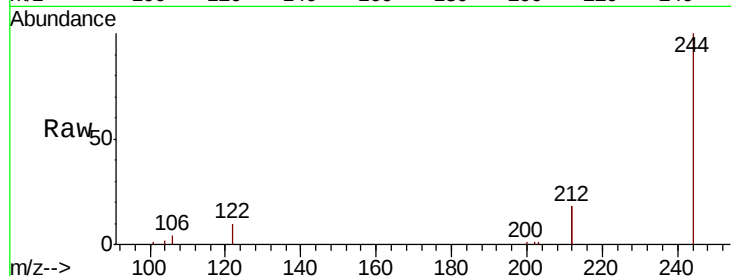
Tot Ion:244 Resp: 8720

Ion Ratio Lower Upper

244 100

212 35.6 27.4 41.0

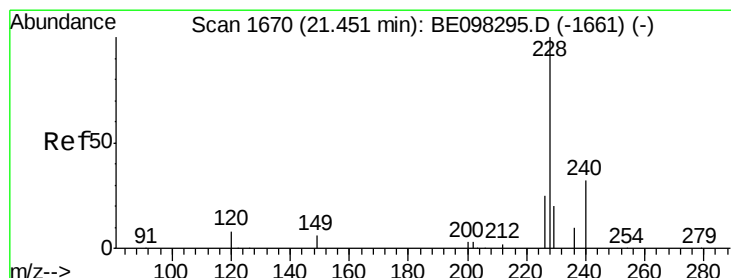
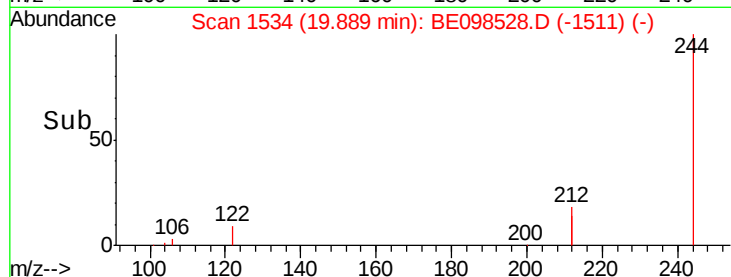
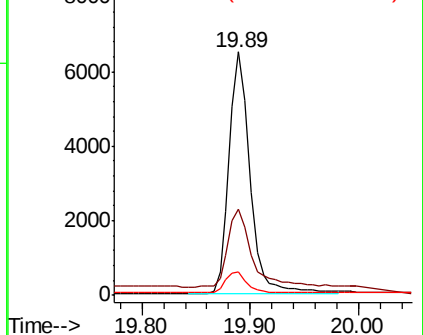
122 9.7 8.3 12.5



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: 0.485 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.02 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

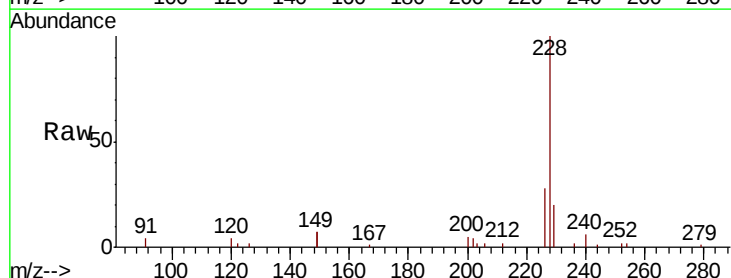
Tgt Ion:228 Resp: 10892

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

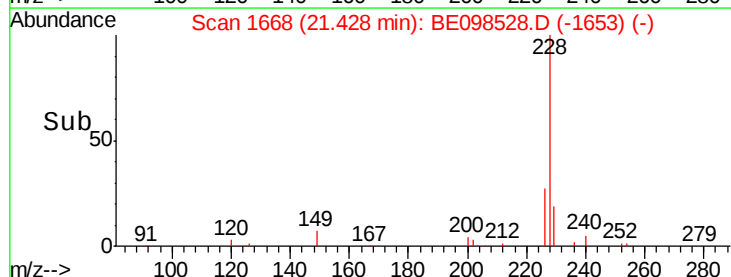
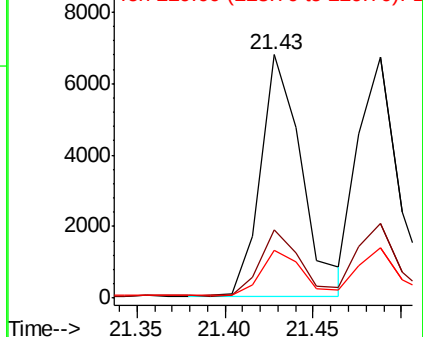
229 19.8 16.3 24.5



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: 0.439 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

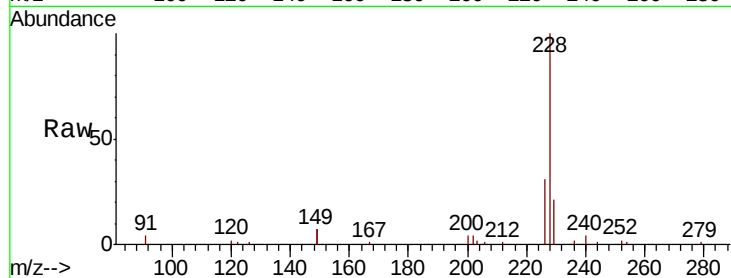
Tot Ion:228 Resp: 10328

Ion Ratio Lower Upper

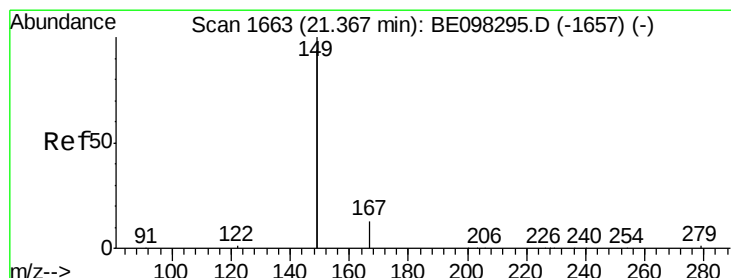
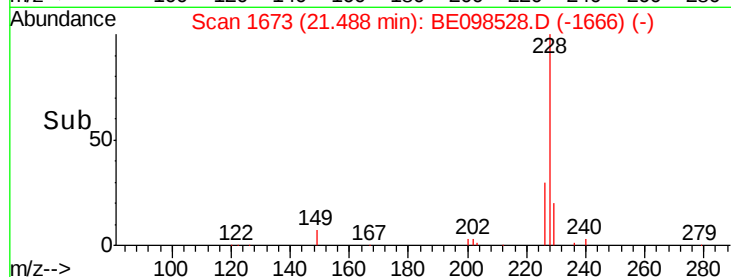
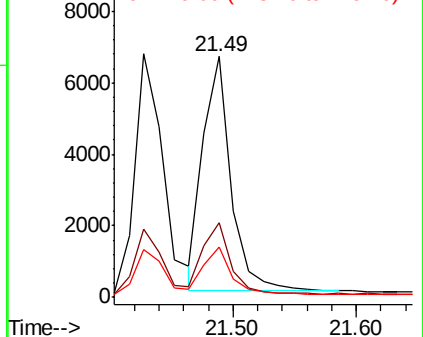
228 100

226 31.0 23.4 35.0

229 20.8 16.2 24.4



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: 0.498 ng

RT: 21.36 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

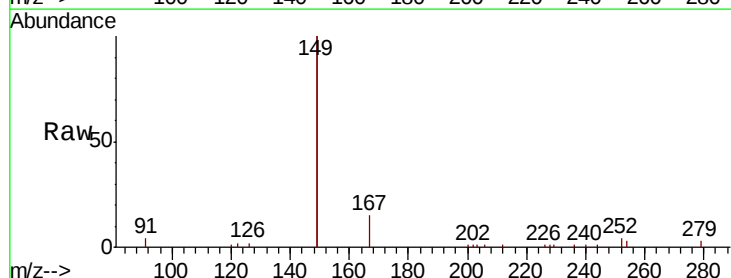
Tgt Ion:149 Resp: 22716

Ion Ratio Lower Upper

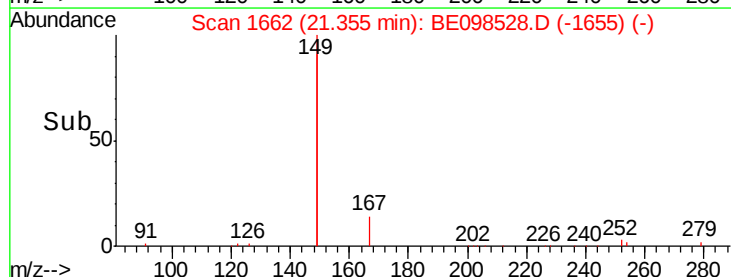
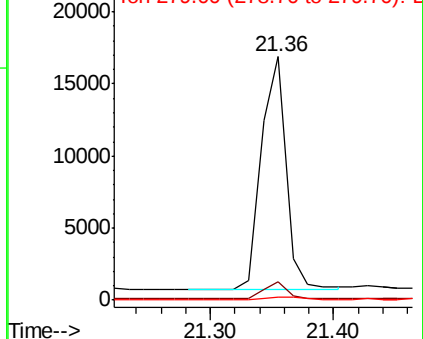
149 100

167 6.6 5.7 8.5

279 1.2 1.0 1.4



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

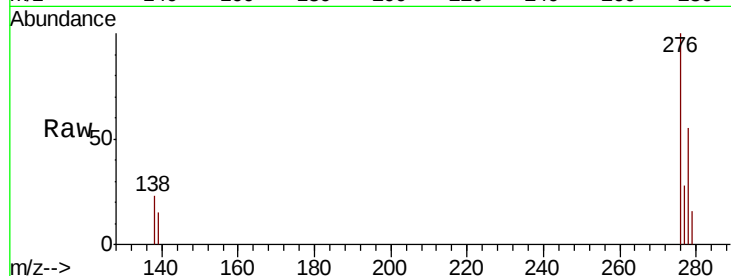




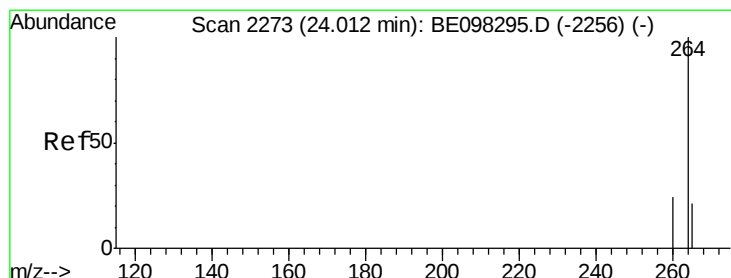
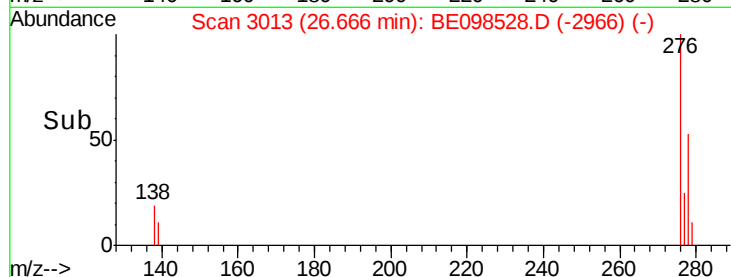
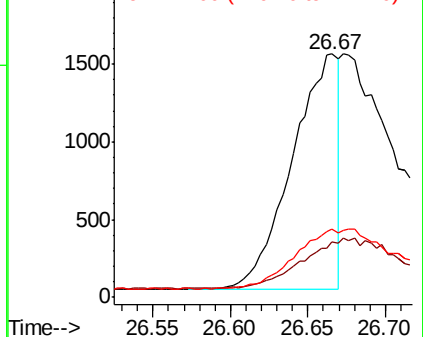
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.135 ng
RT: 26.67 min Scan# 3013
Delta R.T. -0.03 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 3156
Ion Ratio Lower Upper
276 100
138 48.0 16.3 24.5#
277 24.6 20.2 30.4

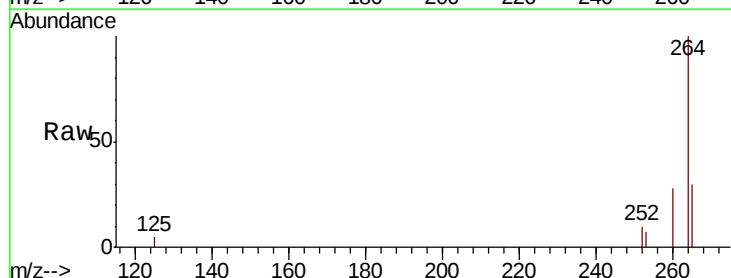


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

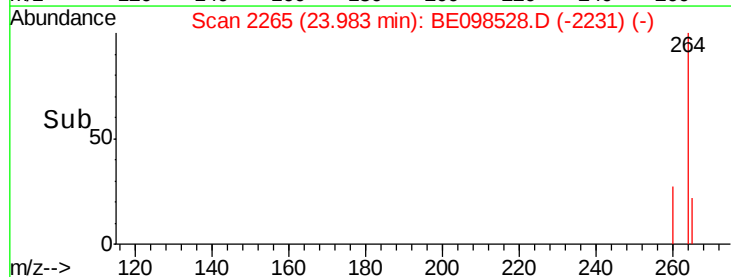
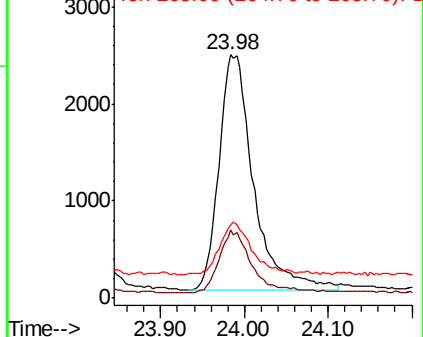


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2265
Delta R.T. -0.03 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion:264 Resp: 6965
Ion Ratio Lower Upper
264 100
260 28.1 20.2 30.2
265 30.3 25.2 37.8



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

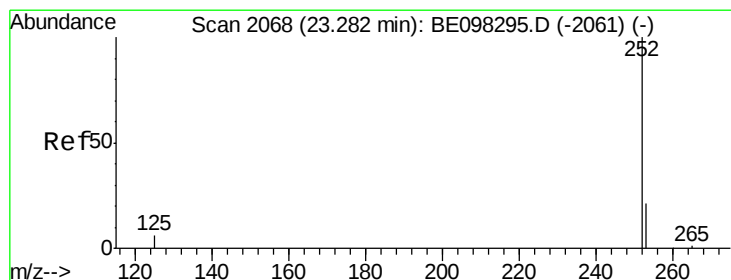
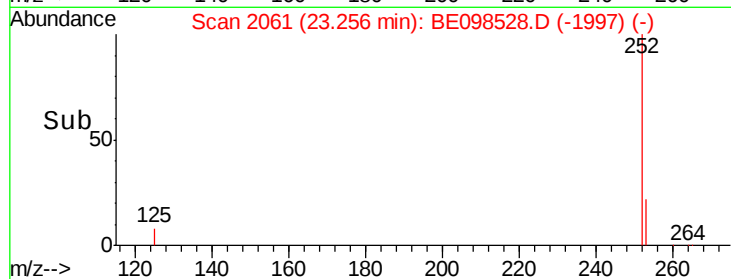
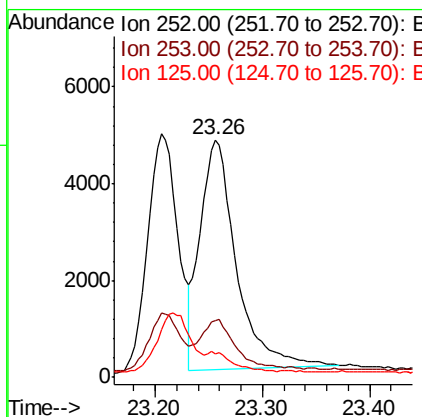
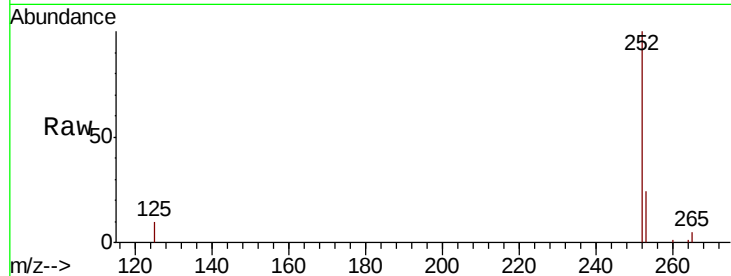




#35
Benzo(b)fluoranthene
Concen: 0.586 ng
RT: 23.26 min Scan# 2061
Delta R.T. 0.03 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

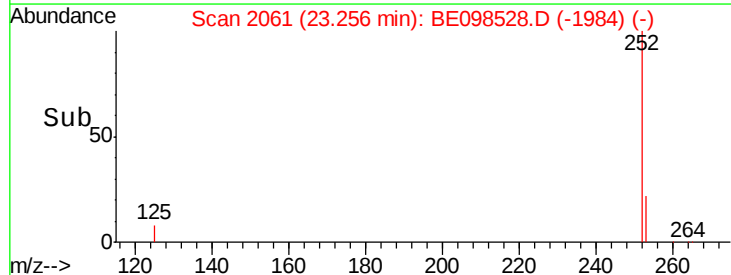
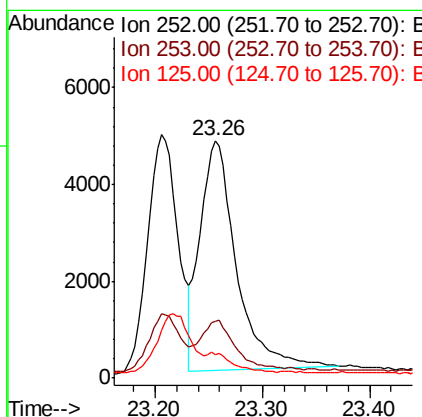
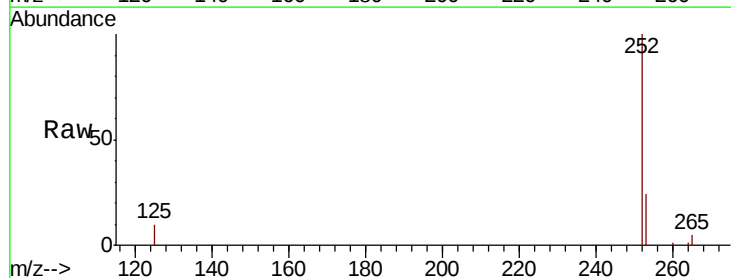
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 11158
Ion Ratio Lower Upper
252 100
253 24.1 20.0 30.0
125 9.9 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.503 ng
RT: 23.26 min Scan# 2061
Delta R.T. -0.03 min
Lab File: BE098528.D
Acq: 19 Dec 2018 14:40

Tgt Ion:252 Resp: 11158
Ion Ratio Lower Upper
252 100
253 24.1 19.0 28.6
125 9.9 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.517 ng

RT: 23.87 min Scan# 2234

Delta R.T. -0.03 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :

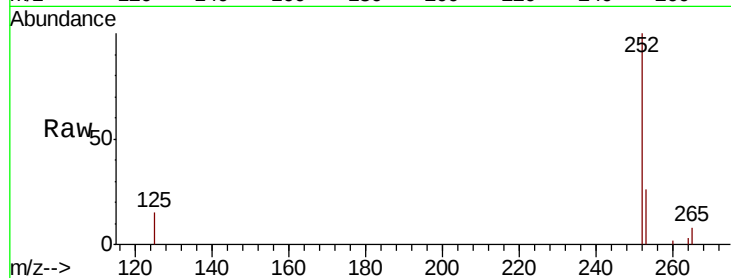
Tot Ion:252 Resp: 10155

Ion Ratio Lower Upper

252 100

253 25.7 20.6 30.8

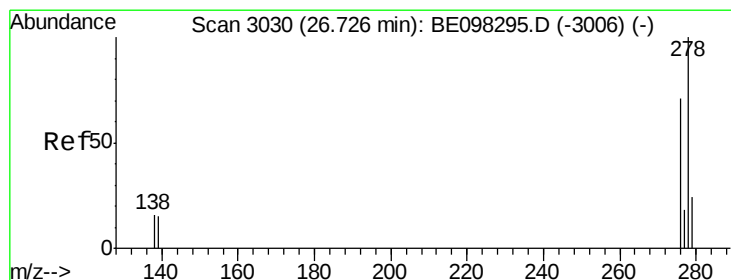
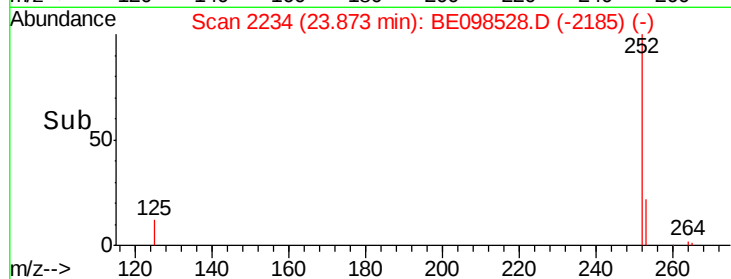
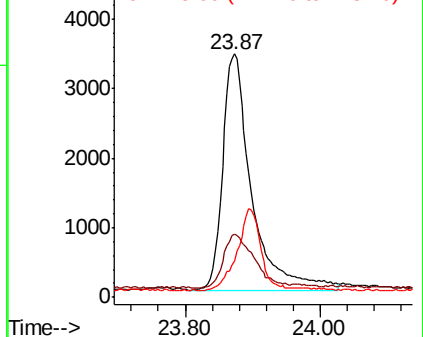
125 14.8 10.5 15.7



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: 0.380 ng

RT: 26.69 min Scan# 3021

Delta R.T. -0.03 min

Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

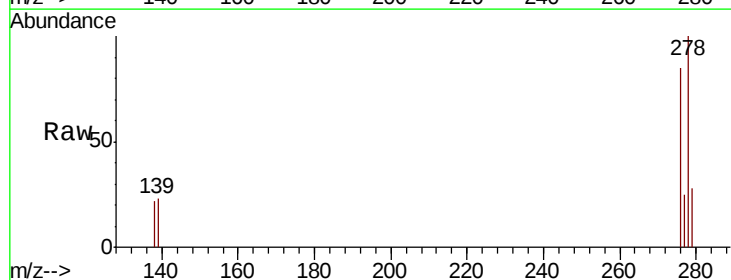
Tgt Ion:278 Resp: 7028

Ion Ratio Lower Upper

278 100

139 22.9 14.5 21.7#

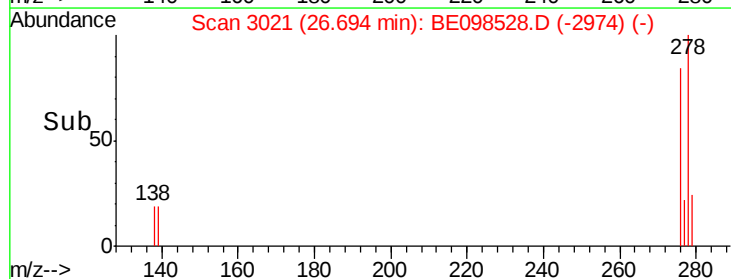
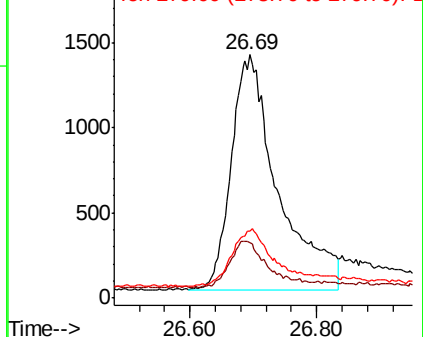
279 27.6 21.8 32.8



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: 0.372 ng

RT: 27.49 min Scan# 3243

Delta R.T. -0.04 min

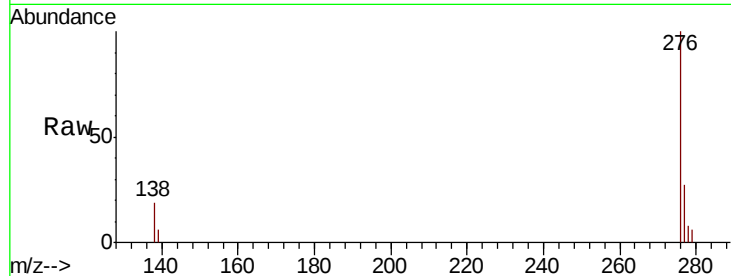
Lab File: BE098528.D

Acq: 19 Dec 2018 14:40

Instrument :

BNA_E

ClientSampleId :



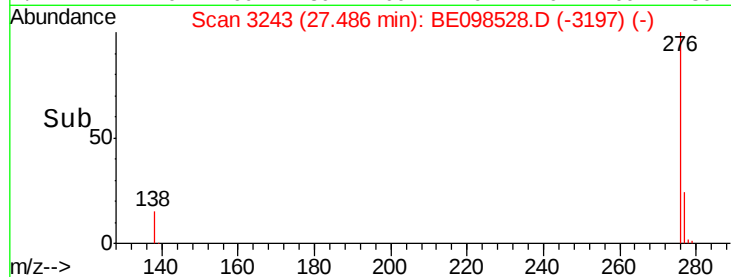
Tot Ion: 276 Resp: 6945

Ion Ratio Lower Upper

276 100

277 26.7 20.8 31.2

138 18.9 15.8 23.6



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

