

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032019\
 Data File : BE099068.D
 Acq On : 20 Mar 2019 14:38
 Operator : JU/SJ
 Sample : PB118045BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 20 15:14:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	698	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3122	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2080	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	5764	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	6387	0.40	ng	-0.01
34) Perylene-d12	23.89	264	5884	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	453	0.22	ng	0.04
5) Phenol-d6	7.01	99	567	0.19	ng	0.03
8) Nitrobenzene-d5	8.99	82	520	0.16	ng	0.03
11) 2-Methylnaphthalene-d10	12.19	152	1419	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	159	0.15	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	1923	0.22	ng	0.00
25) Fluoranthene-d10	19.24	212	17211	0.19	ng	0.00
29) Terphenyl-d14	19.84	244	3238	0.21	ng	0.00

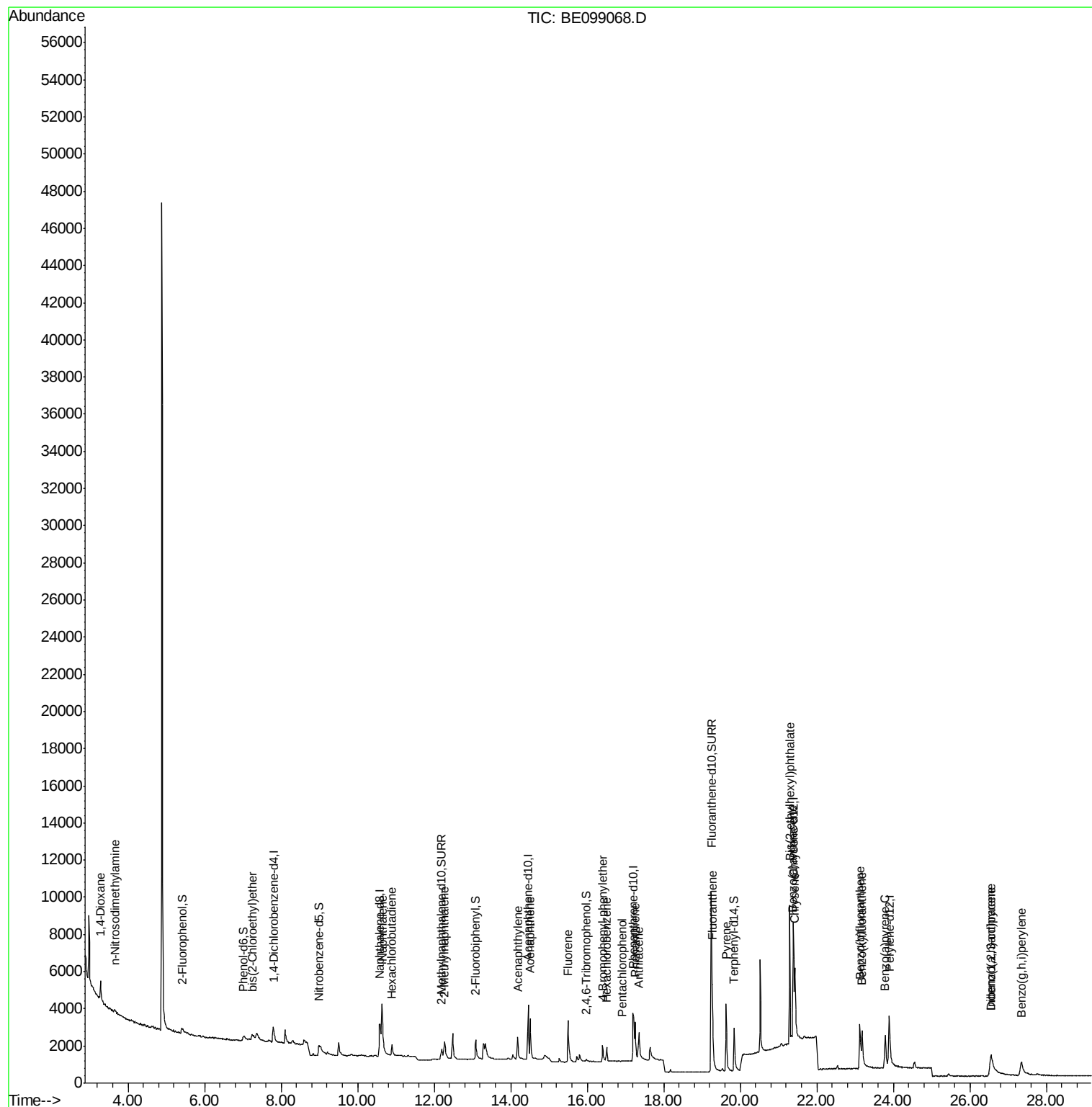
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	512	0.372	ng	# 64
3) n-Nitrosodimethylamine	3.65	42	224	0.128	ng	# 100
6) bis(2-Chloroethyl)ether	7.25	93	225	0.099	ng	# 32
9) Naphthalene	10.64	128	7450	0.208	ng	# 97
10) Hexachlorobutadiene	10.90	225	458	0.194	ng	98
12) 2-Methylnaphthalene	12.27	142	1145	0.197	ng	91
16) Acenaphthylene	14.18	152	2027	0.189	ng	99
17) Acenaphthene	14.51	154	1299	0.205	ng	98
18) Fluorene	15.50	166	1808	0.198	ng	95
20) 4-Bromophenyl-phenylether	16.40	248	645	0.206	ng	91
21) Hexachlorobenzene	16.51	284	700	0.188	ng	96
22) Pentachlorophenol	16.91	266	18	0.279	ng	93
23) Phenanthrene	17.25	178	2996	0.183	ng	98
24) Anthracene	17.35	178	2143	0.153	ng	100
26) Fluoranthene	19.27	202	4094	0.177	ng	99
28) Pyrene	19.63	202	4323	0.221	ng	99
30) Benzo(a)anthracene	21.38	228	3557	0.178	ng	98
31) Chrysene	21.43	228	4442	0.208	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	8966	0.211	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	3045	0.135	ng	# 70
35) Benzo(b)fluoranthene	23.13	252	3600	0.186	ng	# 81
36) Benzo(k)fluoranthene	23.18	252	4510	0.223	ng	# 88
37) Benzo(a)pyrene	23.79	252	3704	0.200	ng	# 66
38) Dibenzo(a,h)anthracene	26.56	278	831	0.047	ng	# 68
39) Benzo(g,h,i)perylene	27.35	276	2734	0.149	ng	# 89

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

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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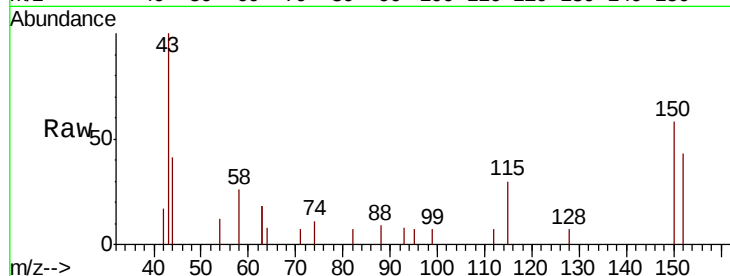


#1

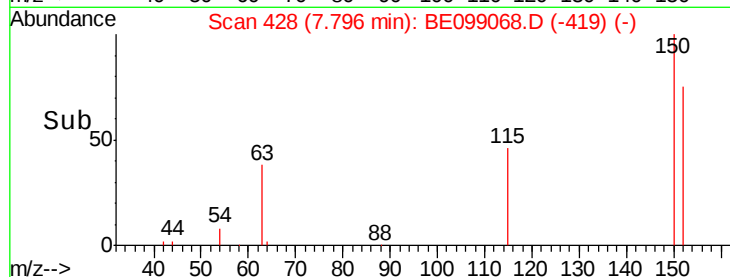
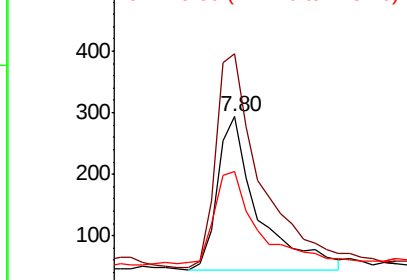
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 698
Ion Ratio Lower Upper
152 100
150 135.2 122.5 183.7
115 70.0 57.4 86.2



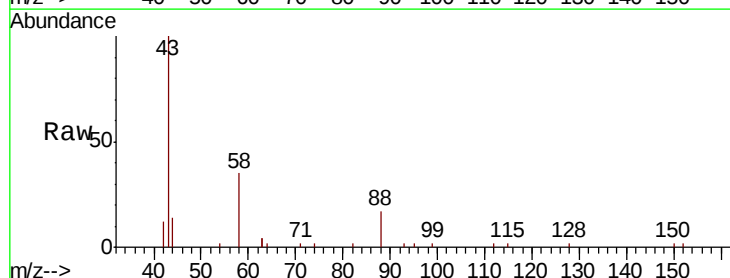
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



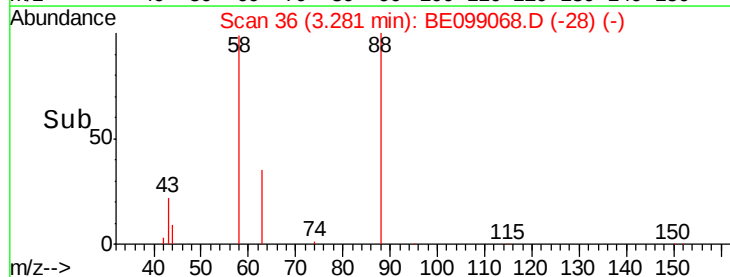
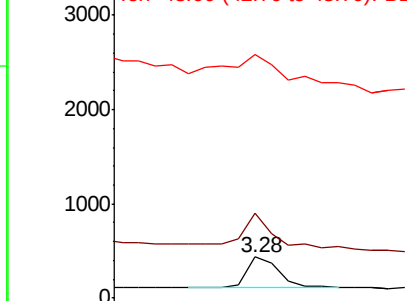
#2

1,4-Dioxane
Concen: 0.372 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Tgt Ion: 88 Resp: 512
Ion Ratio Lower Upper
88 100
58 96.7 75.8 113.6
43 121.3 41.8 62.8#



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



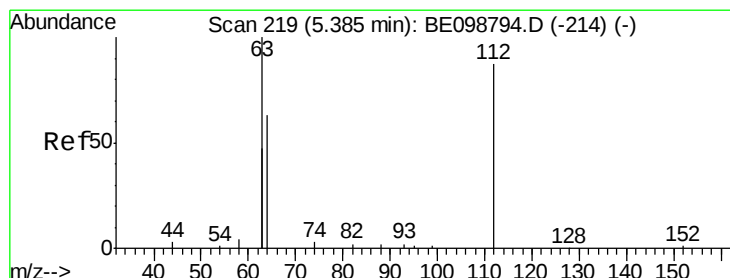
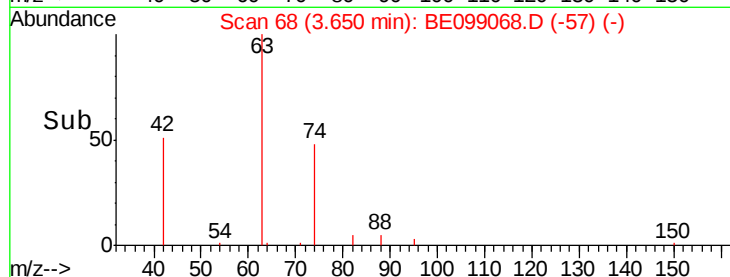
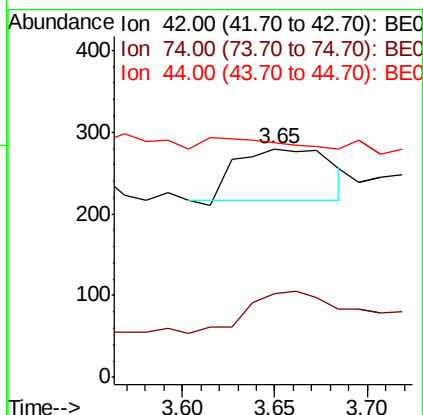
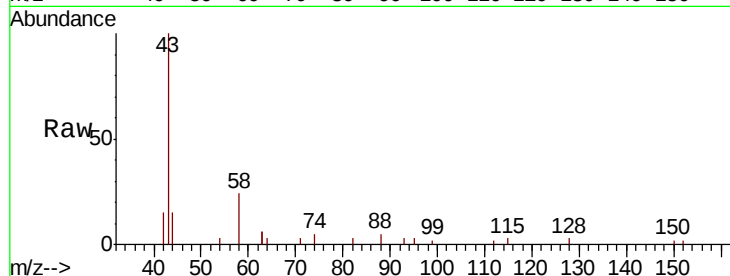


#3

n-Nitrosodimethylamine
 Concen: 0.128 ng
 RT: 3.65 min Scan# 68
 Delta R.T. 0.03 min
 Lab File: BE099068.D
 Acq: 20 Mar 2019 14:38

Instrument :
 BNA_E
 ClientSampleId :

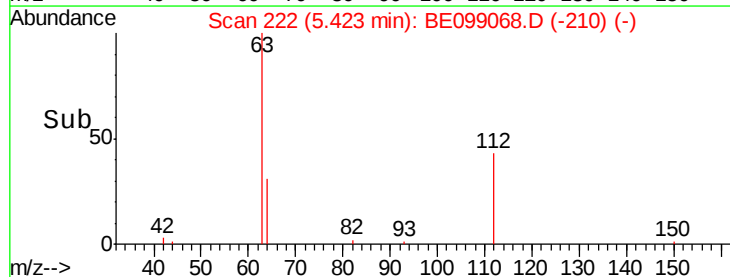
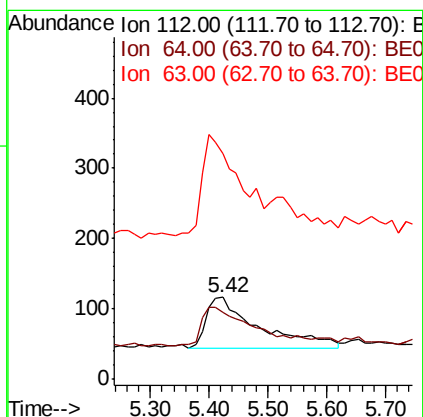
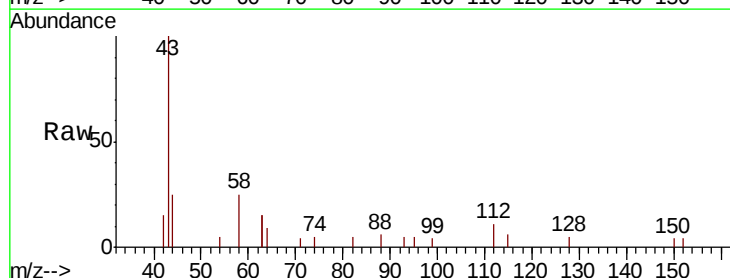
Tot Ion: 42 Resp: 224
 Ion Ratio Lower Upper
 42 100
 74 71.4 57.0 85.4
 44 0.0 0.0 0.0

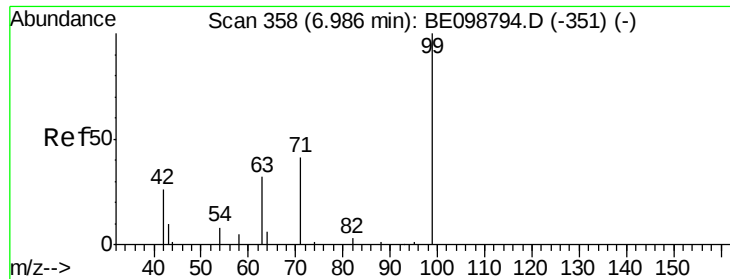


#4

2-Fluorophenol
 Concen: 0.217 ng
 RT: 5.42 min Scan# 222
 Delta R.T. 0.04 min
 Lab File: BE099068.D
 Acq: 20 Mar 2019 14:38

Tgt Ion: 112 Resp: 453
 Ion Ratio Lower Upper
 112 100
 64 0.0 57.9 86.9#
 63 0.0 158.3 237.5#





#5

Phenol-d6

Concen: 0.192 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.03 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampled :

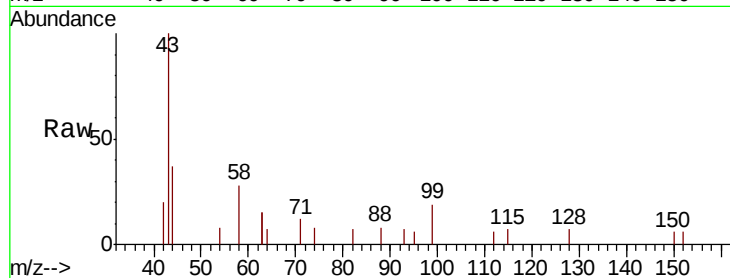
Tot Ion: 99 Resp: 567

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

71 46.4 35.7 53.5



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

7.01

150

100

50

0

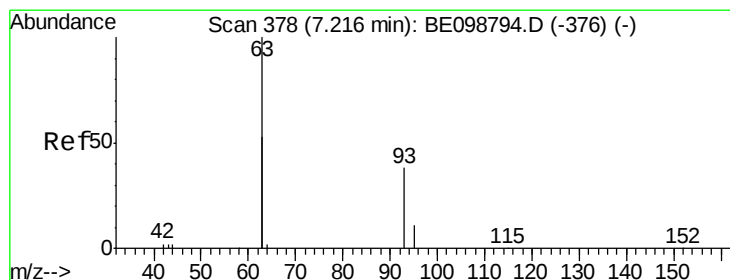
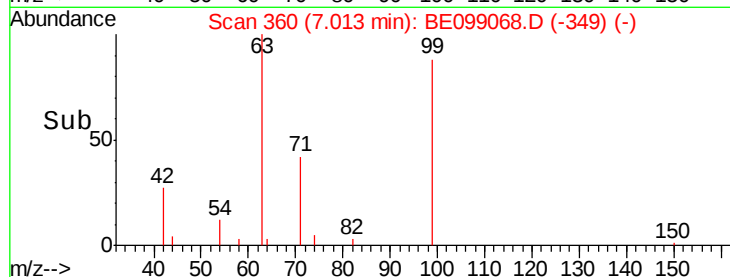
6.90

7.00

7.10

7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.099 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.04 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

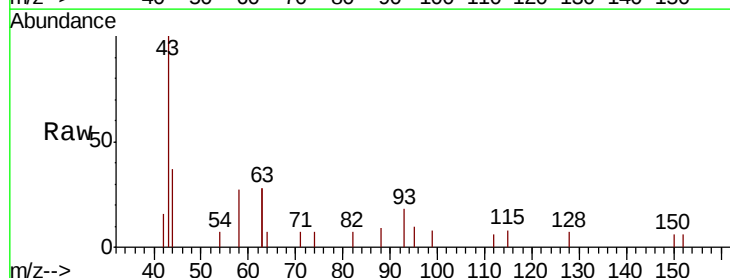
Tgt Ion: 93 Resp: 225

Ion Ratio Lower Upper

93 100

63 453.3 247.5 371.3#

95 41.8 21.8 32.8#



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

600

500

400

300

200

100

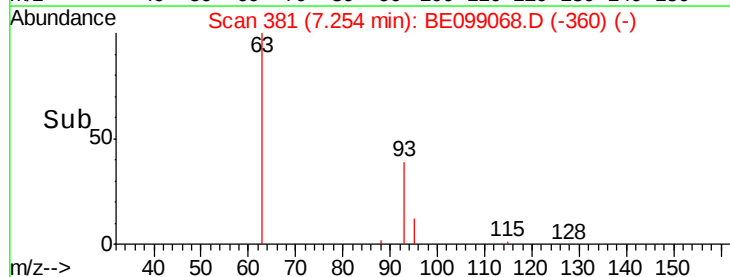
0

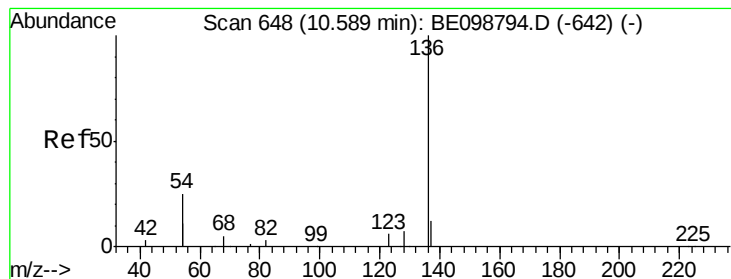
7.20

7.25

7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3122

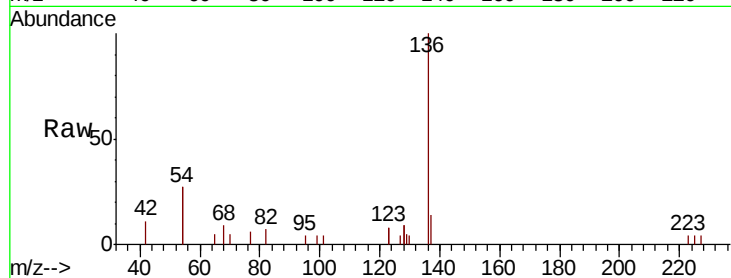
Ion Ratio Lower Upper

136 100

137 14.1 11.4 17.0

54 53.6 39.3 58.9

68 8.6 6.7 10.1

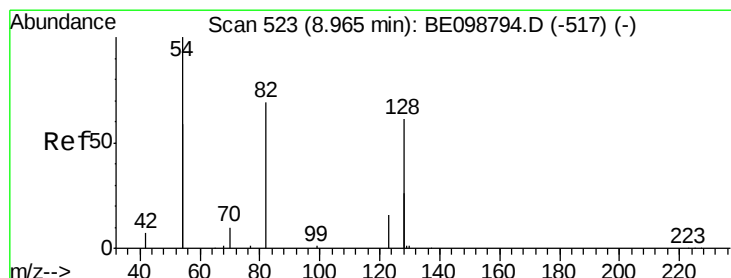
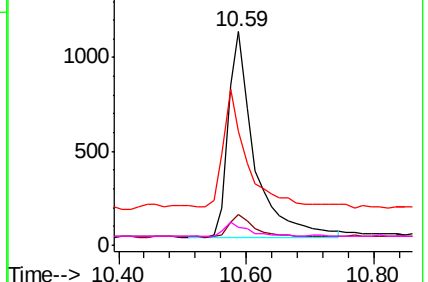
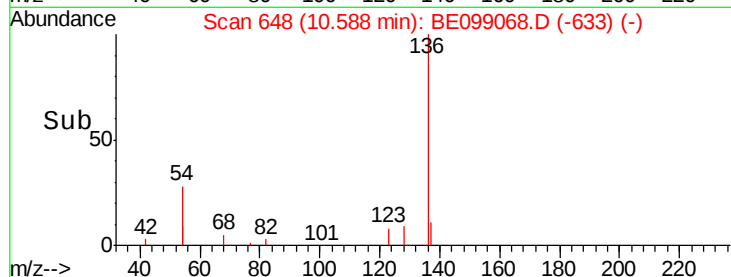


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.159 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

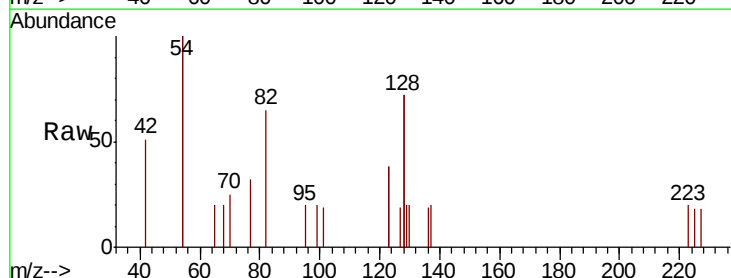
Tgt Ion: 82 Resp: 520

Ion Ratio Lower Upper

82 100

128 221.9 123.8 185.8#

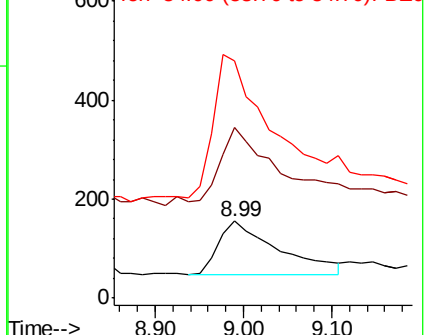
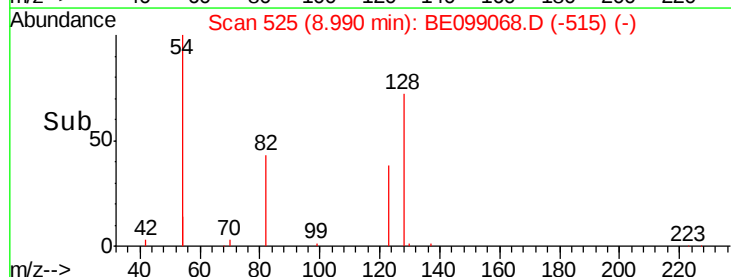
54 309.7 203.4 305.2#

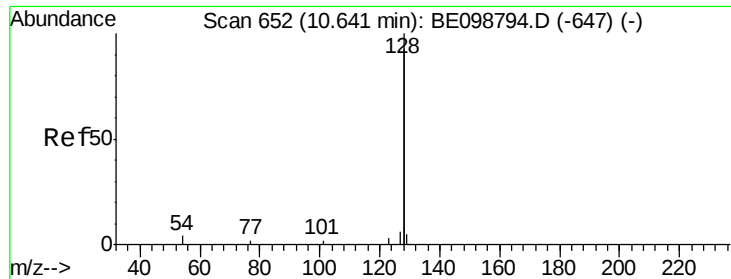


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.208 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

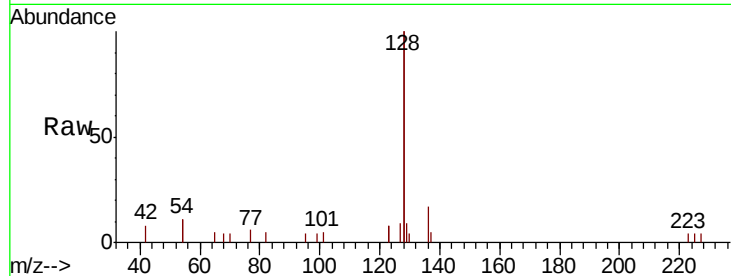
Tot Ion:128 Resp: 7450

Ion Ratio Lower Upper

128 100

129 4.6 2.6 4.0#

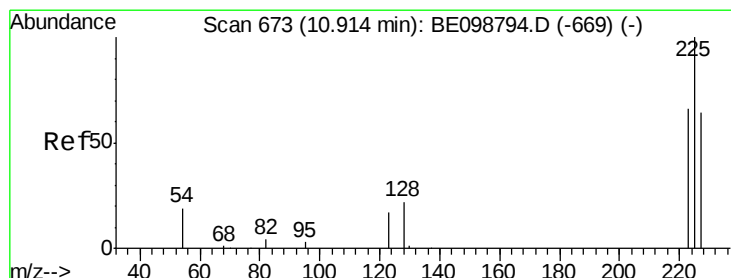
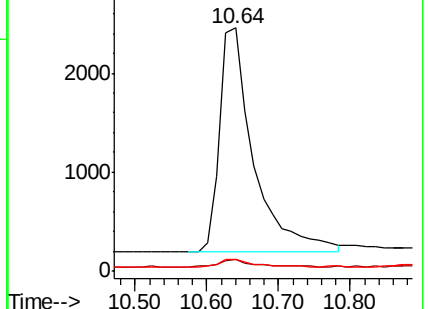
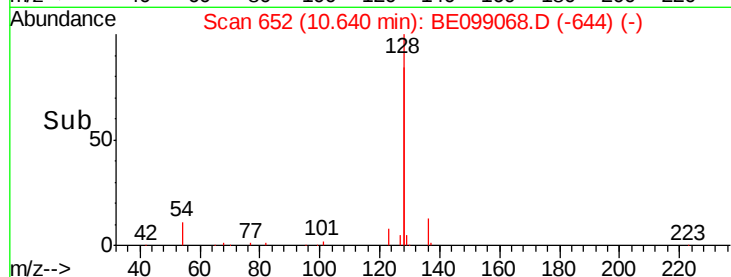
127 4.7 3.1 4.7



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: 0.194 ng

RT: 10.90 min Scan# 672

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

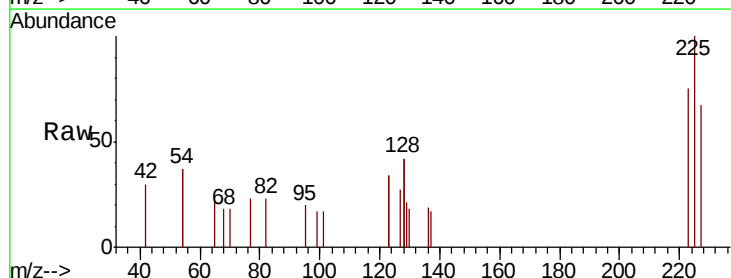
Tgt Ion:225 Resp: 458

Ion Ratio Lower Upper

225 100

223 66.4 51.1 76.7

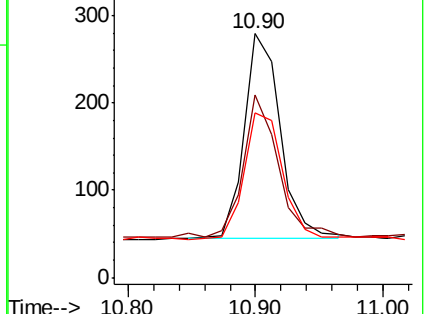
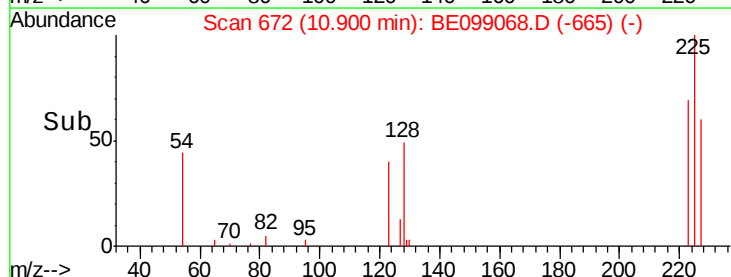
227 65.7 51.6 77.4



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: 0.246 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

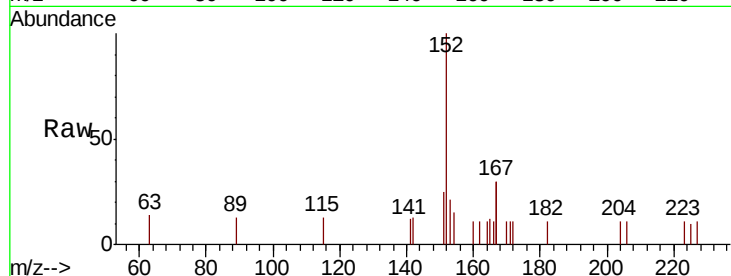
ClientSampleId :

Tot Ion:152 Resp: 1419

Ion Ratio Lower Upper

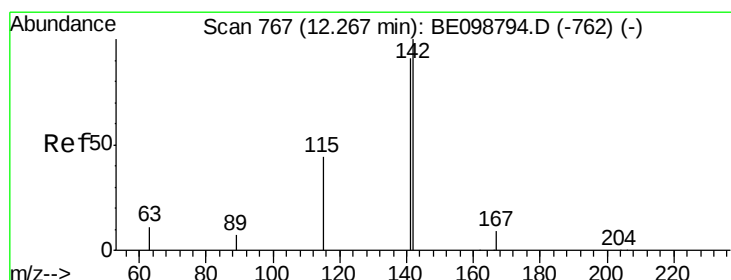
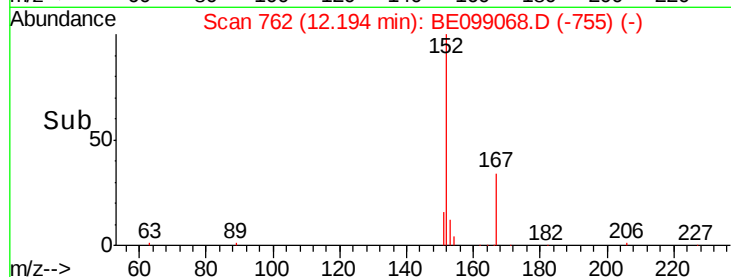
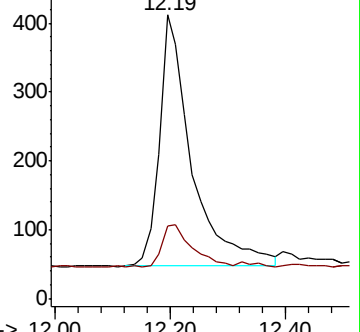
152 100

151 15.5 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.197 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

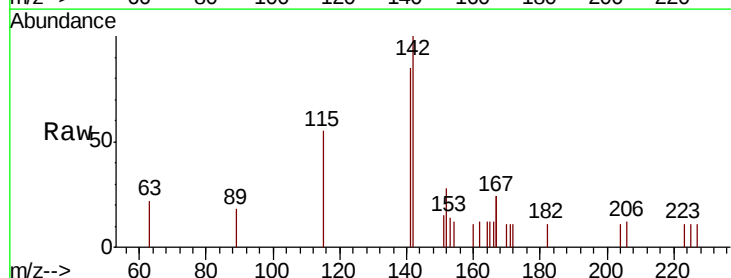
Tgt Ion:142 Resp: 1145

Ion Ratio Lower Upper

142 100

141 84.5 72.6 108.8

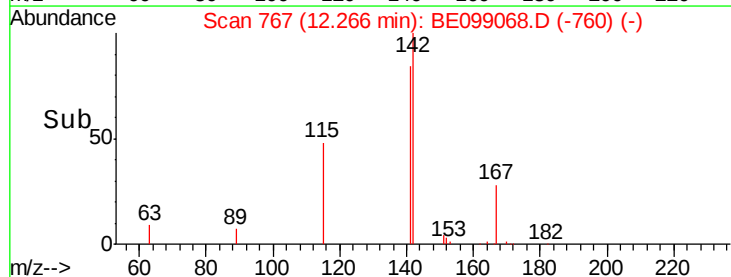
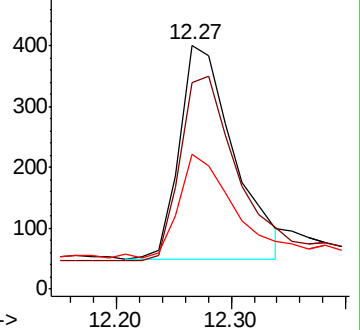
115 55.1 37.4 56.2



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

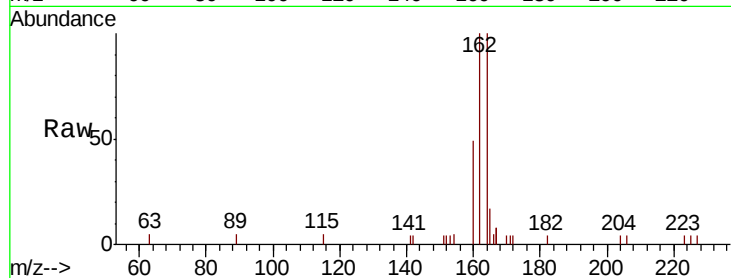




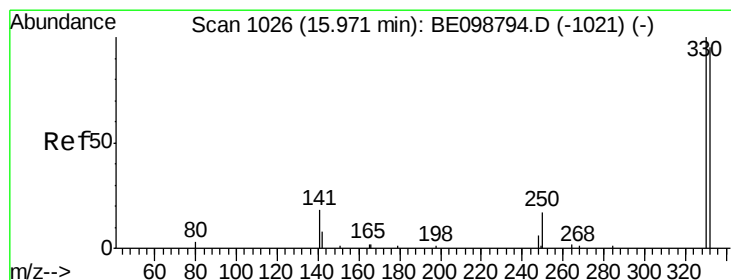
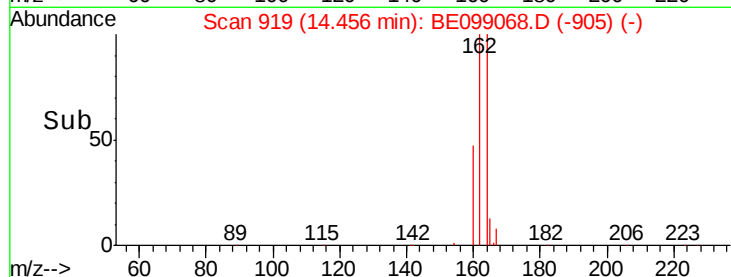
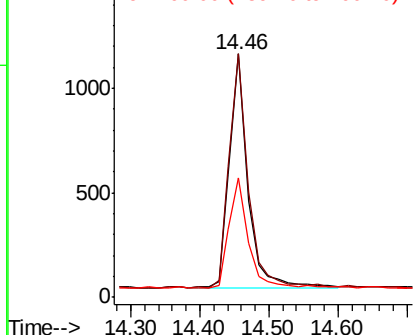
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2080
Ion Ratio Lower Upper
164 100
162 100.0 80.2 120.2
160 49.0 37.8 56.8

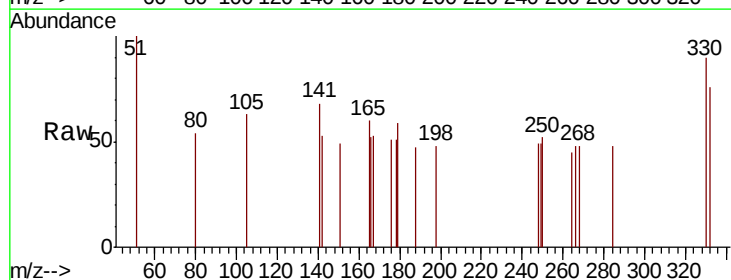


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

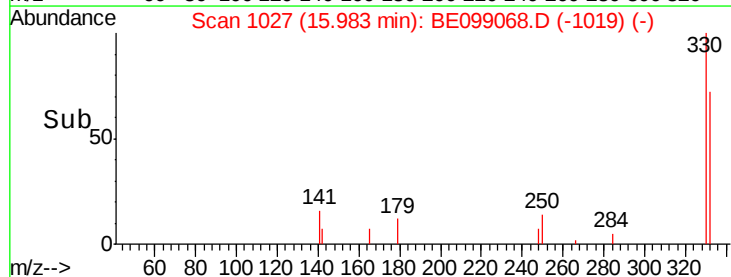
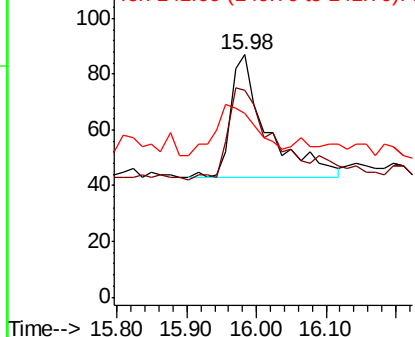


#14
2,4,6-Tribromophenol
Concen: 0.151 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Tgt Ion:330 Resp: 159
Ion Ratio Lower Upper
330 100
332 89.3 77.6 116.4
141 0.0 31.0 46.4#



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

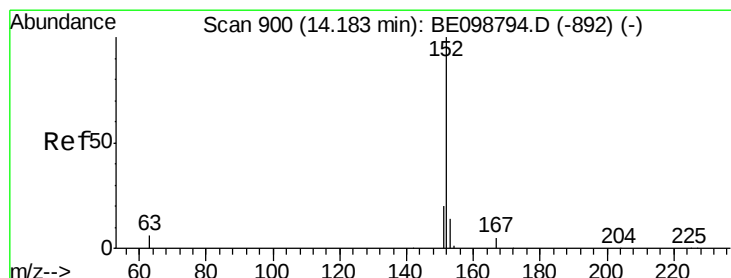
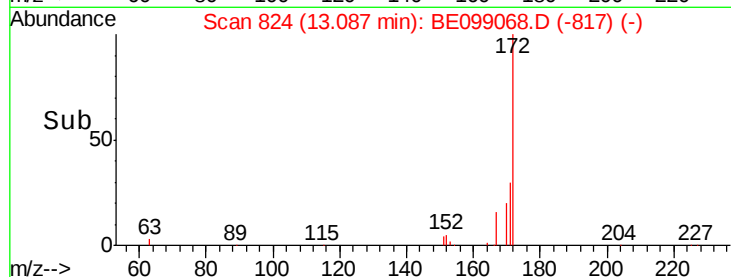
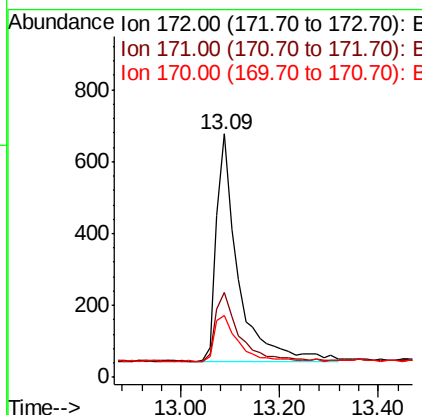
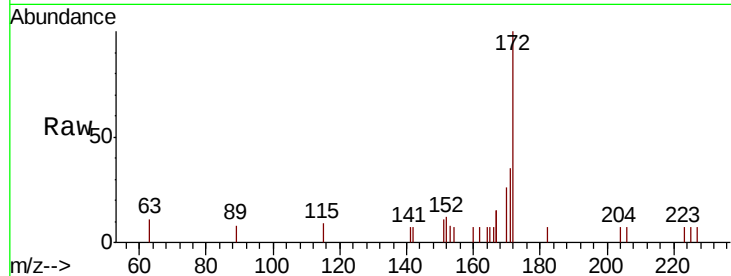




#15
2-Fluorobiphenyl
Concen: 0.223 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

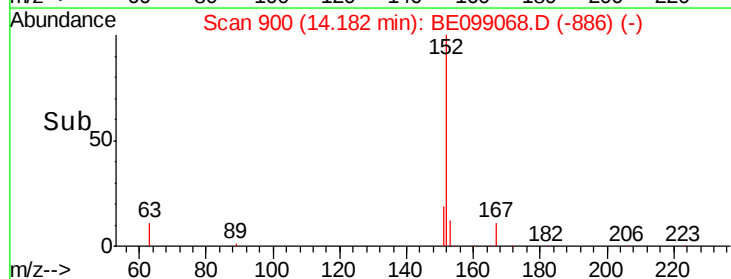
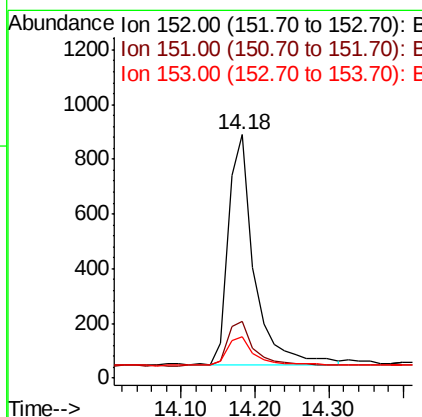
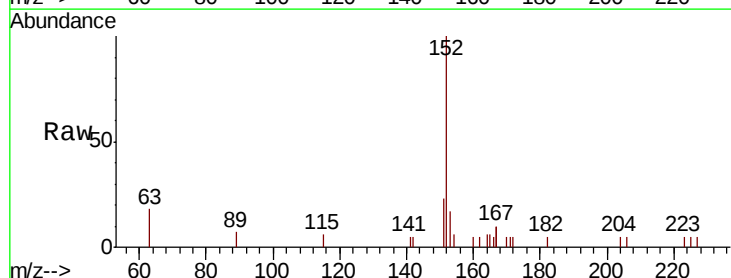
Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 1923
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 25.6 17.7 26.5



#16
Acenaphthylene
Concen: 0.189 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Tgt Ion:152 Resp: 2027
Ion Ratio Lower Upper
152 100
151 21.7 17.0 25.6
153 13.9 11.2 16.8

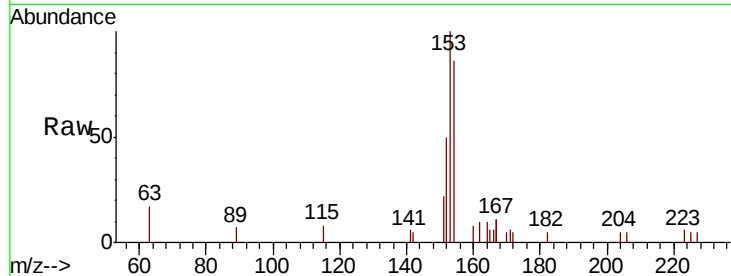




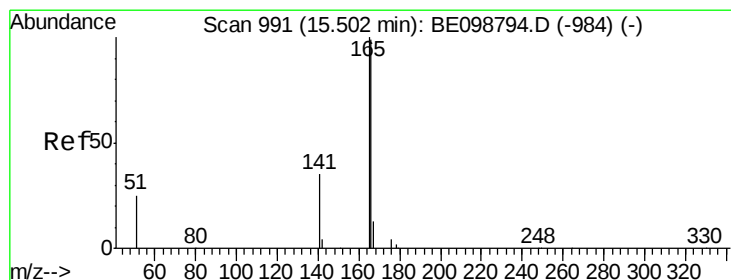
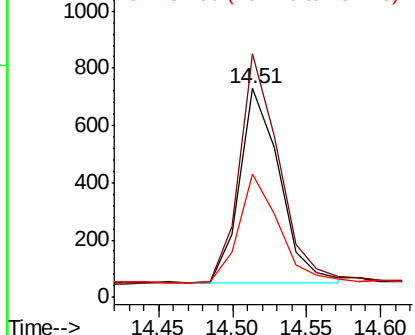
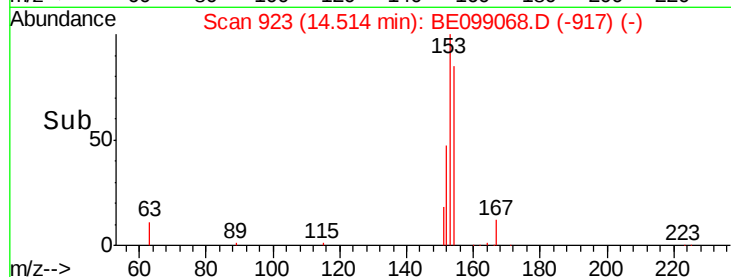
#17
Acenaphthene
Concen: 0.205 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 1299
Ion Ratio Lower Upper
154 100
153 115.7 94.2 141.4
152 55.5 45.0 67.4

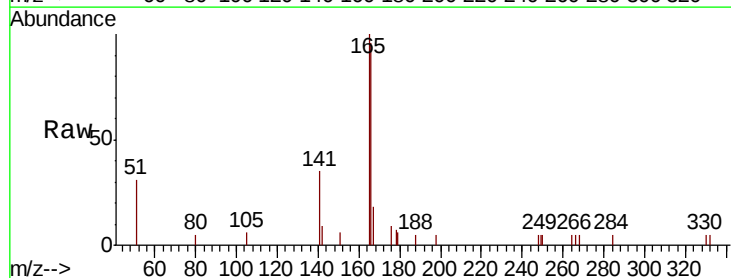


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

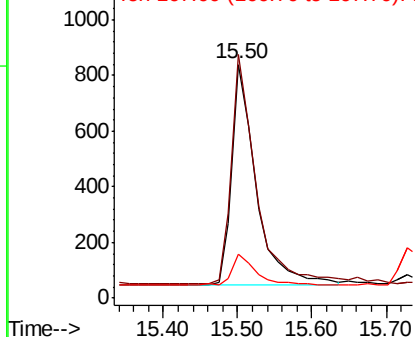
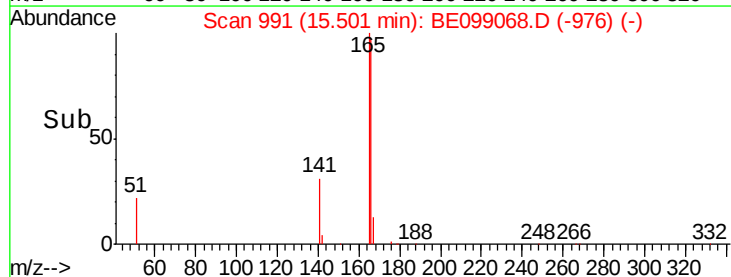


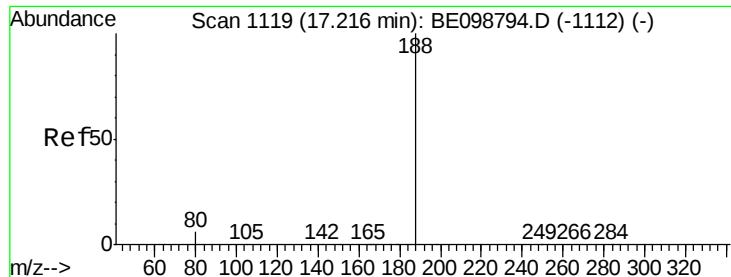
#18
Fluorene
Concen: 0.198 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Tgt Ion:166 Resp: 1808
Ion Ratio Lower Upper
166 100
165 104.1 79.3 118.9
167 14.4 10.5 15.7



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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

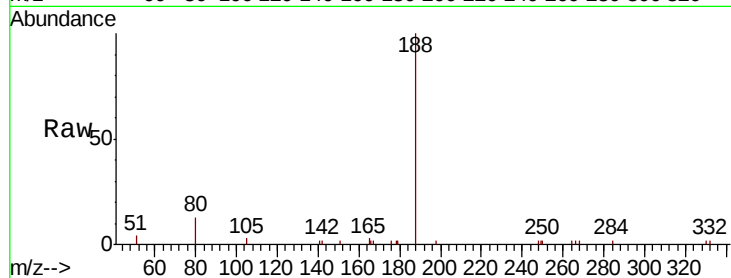
Tot Ion:188 Resp: 5764

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

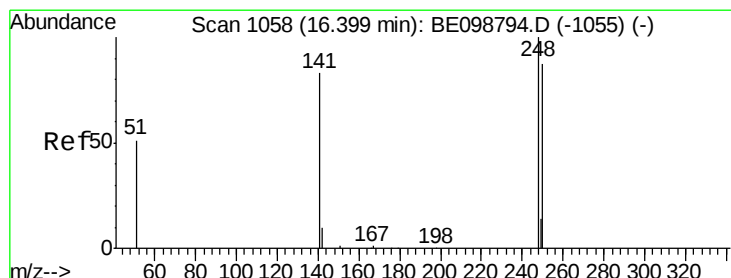
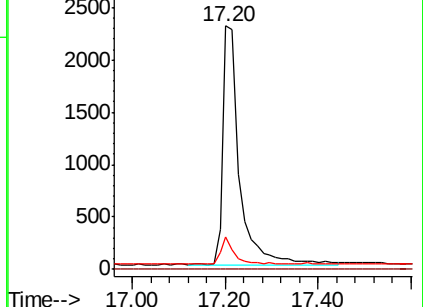
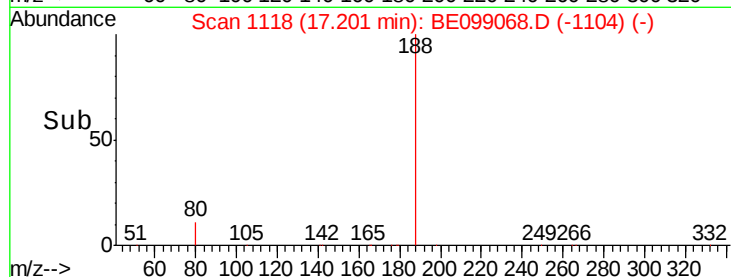
80 13.2 6.3 9.5#



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: 0.206 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

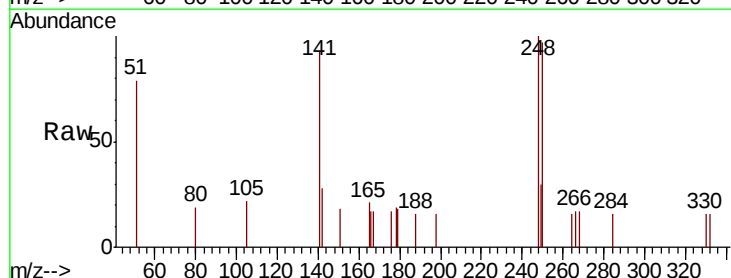
Tgt Ion:248 Resp: 645

Ion Ratio Lower Upper

248 100

250 96.8 70.6 105.8

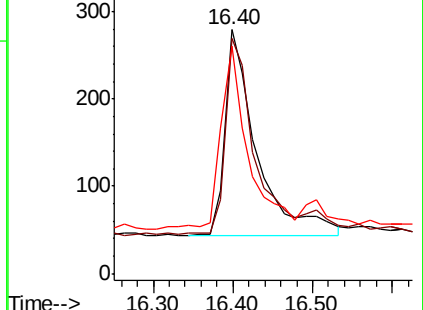
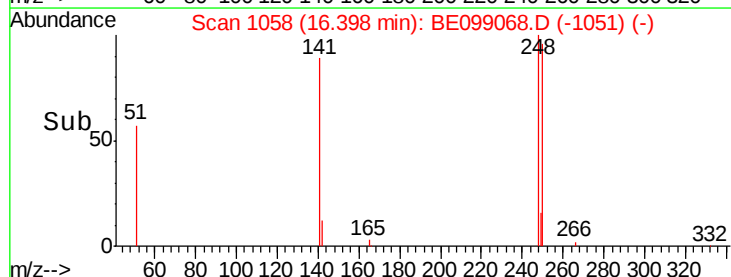
141 93.2 68.6 102.8



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: 0.188 ng

RT: 16.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampled :

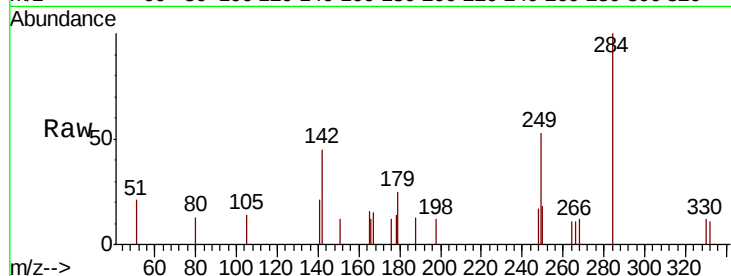
Tot Ion:284 Resp: 700

Ion Ratio Lower Upper

284 100

142 33.9 28.7 43.1

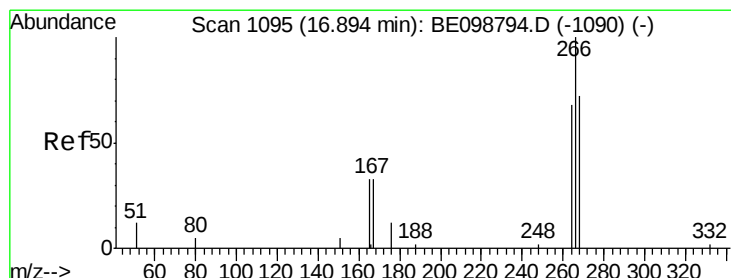
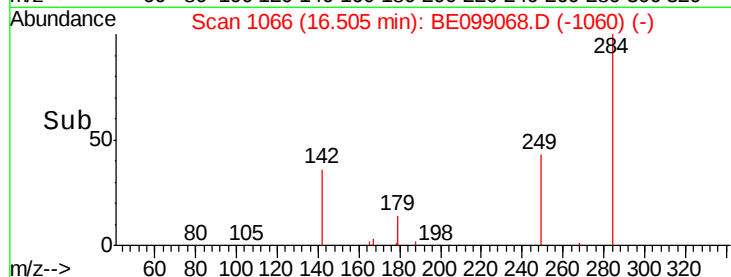
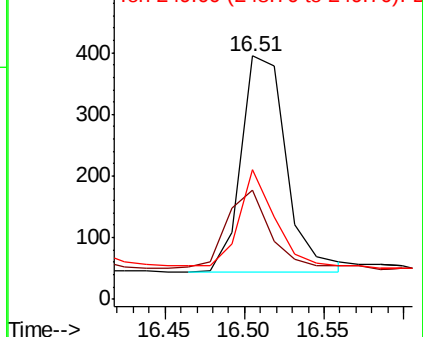
249 33.9 29.6 44.4



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: 0.279 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

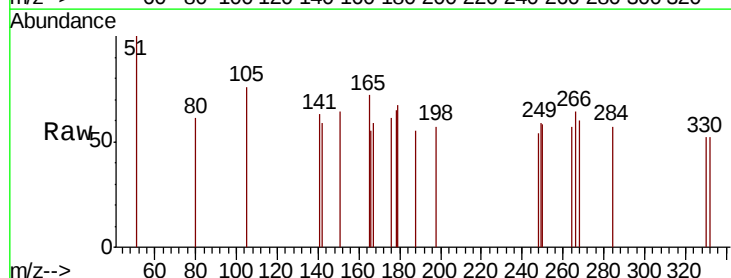
Tgt Ion:266 Resp: 18

Ion Ratio Lower Upper

266 100

264 88.7 66.6 100.0

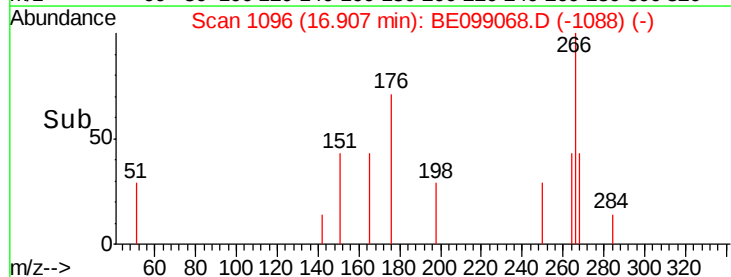
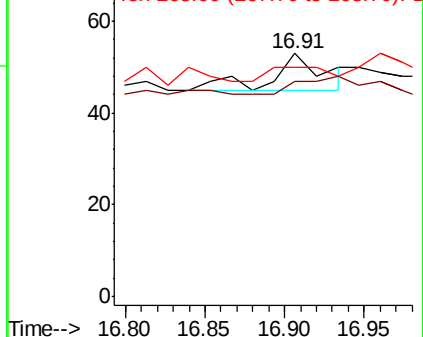
268 94.3 69.8 104.8



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: 0.183 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

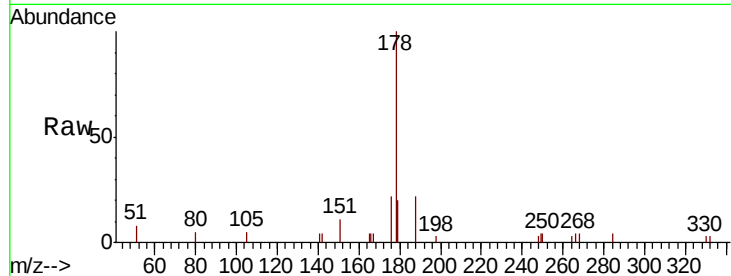
Tot Ion:178 Resp: 2996

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

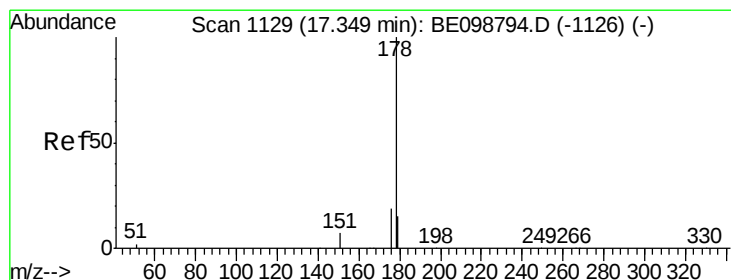
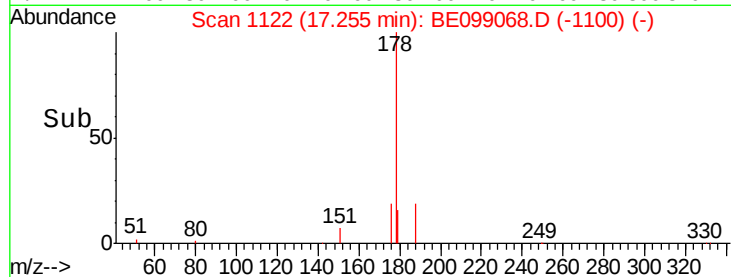
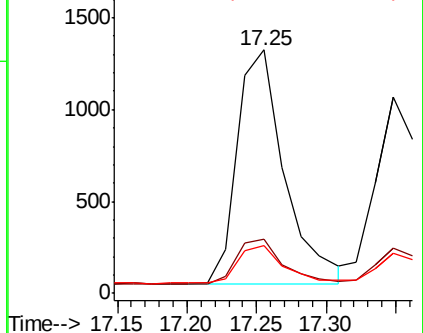
179 16.7 12.1 18.1



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: 0.153 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

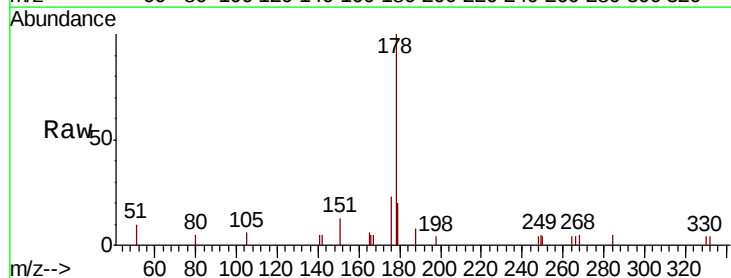
Tgt Ion:178 Resp: 2143

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

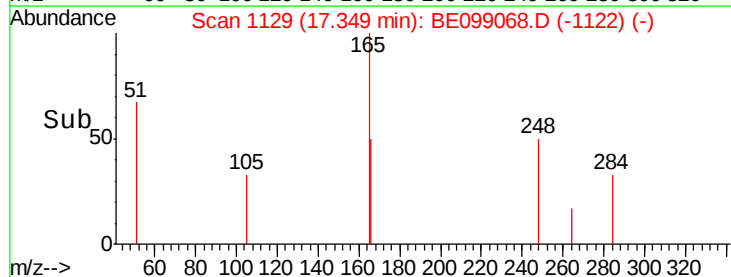
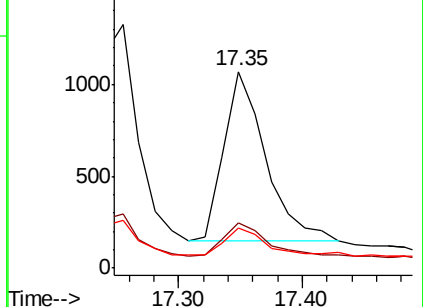
179 15.2 12.2 18.4

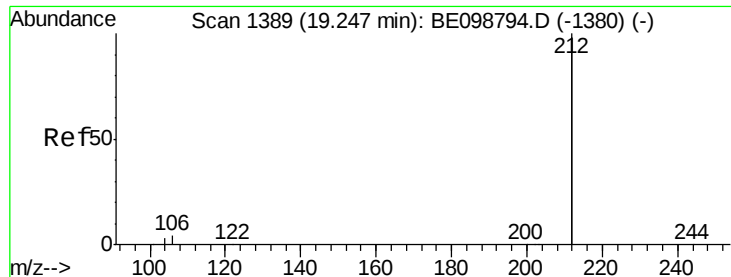


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.187 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

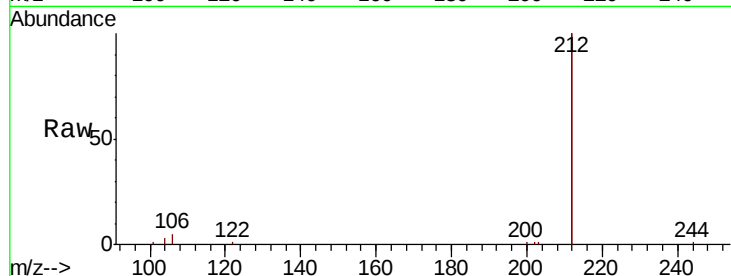
Tot Ion:212 Resp: 17211

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

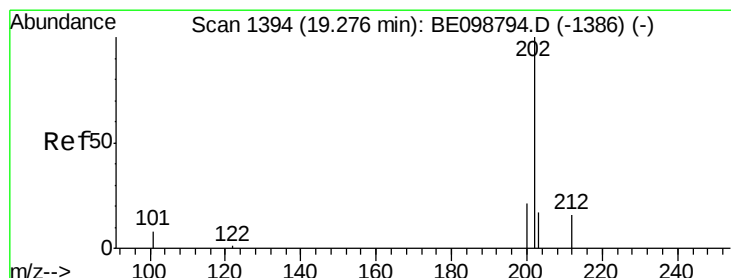
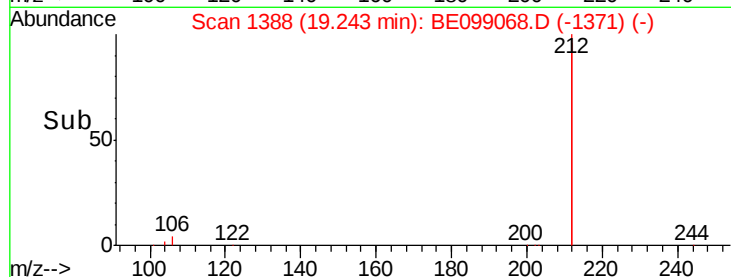
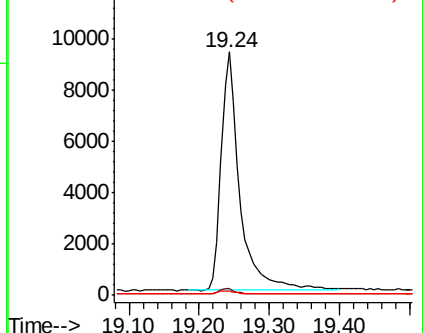
104 1.4 1.0 1.6



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: 0.177 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

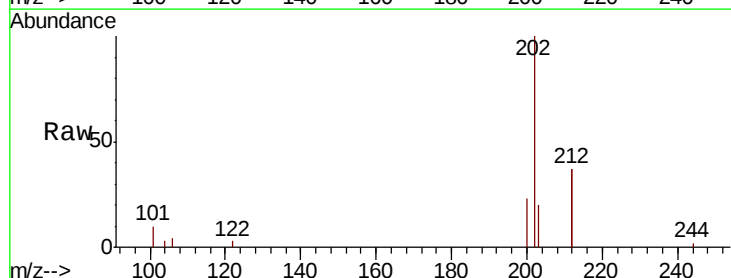
Tgt Ion:202 Resp: 4094

Ion Ratio Lower Upper

202 100

101 9.3 7.3 10.9

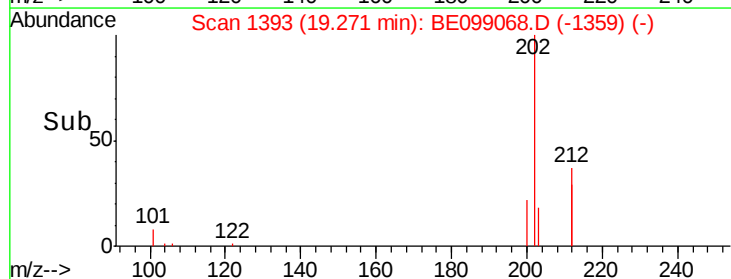
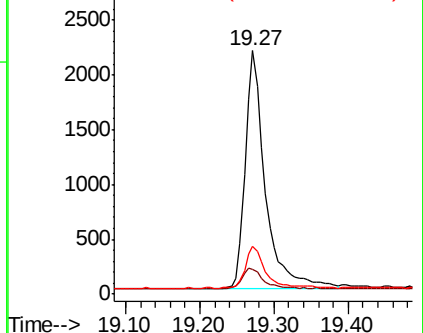
203 17.2 13.4 20.2



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: 21.39 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

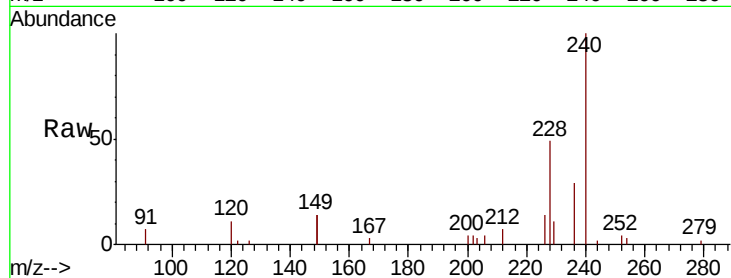
Tot Ion:240 Resp: 6387

Ion Ratio Lower Upper

240 100

120 10.7 5.0 7.4#

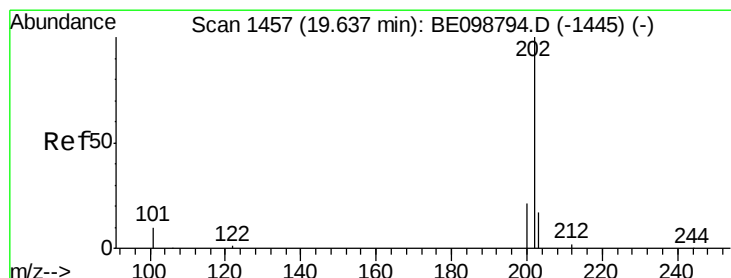
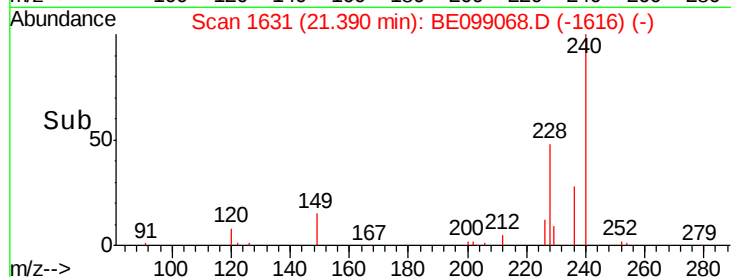
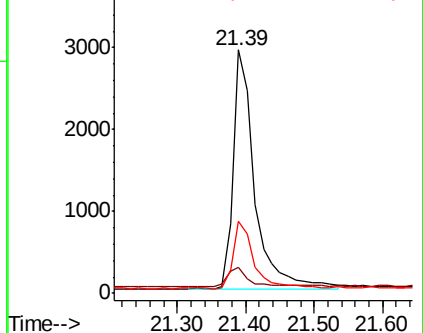
236 29.4 22.7 34.1



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: 0.221 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

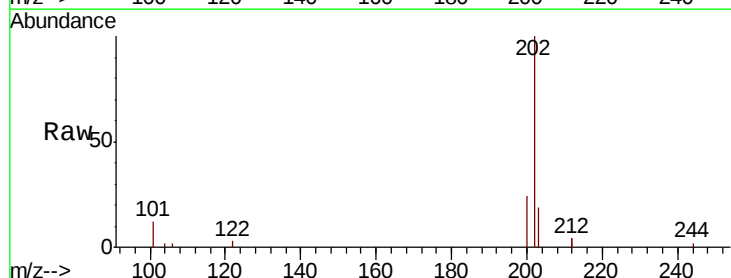
Tgt Ion:202 Resp: 4323

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

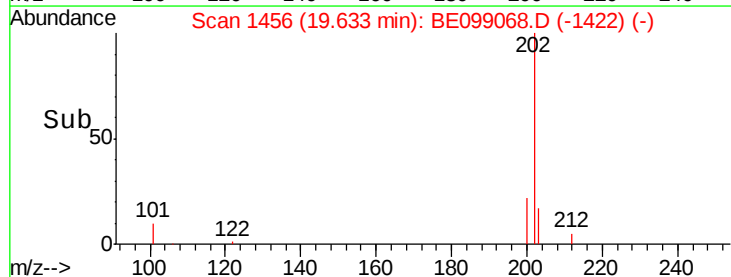
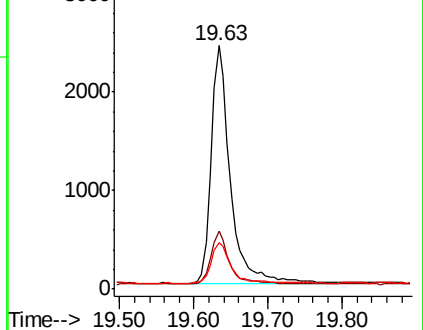
203 18.2 14.2 21.2



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: 0.209 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

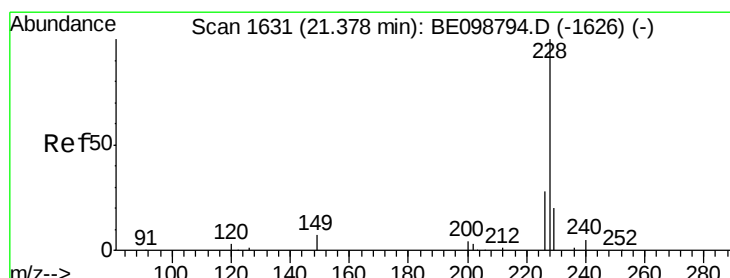
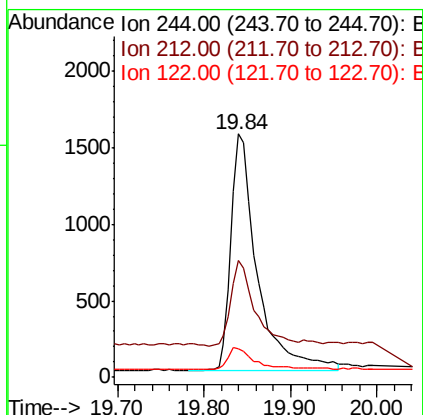
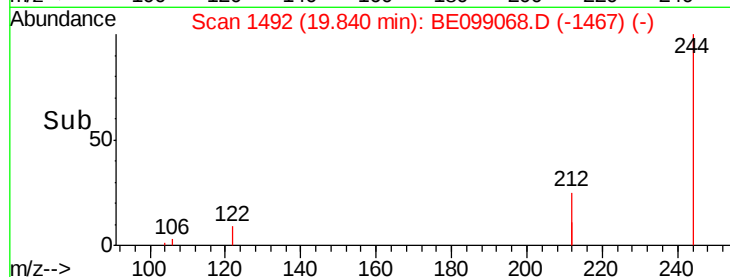
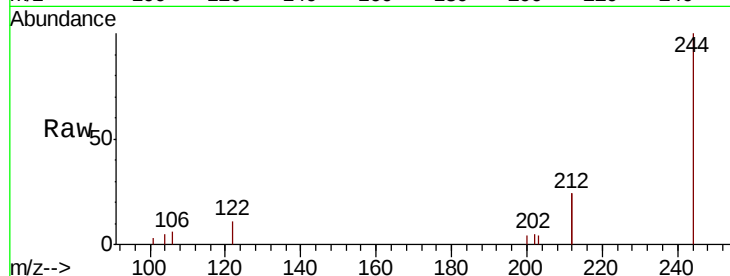
Tot Ion:244 Resp: 3238

Ion Ratio Lower Upper

244 100

212 47.9 29.4 44.2#

122 11.5 7.1 10.7#



#30

Benzo(a)anthracene

Concen: 0.178 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

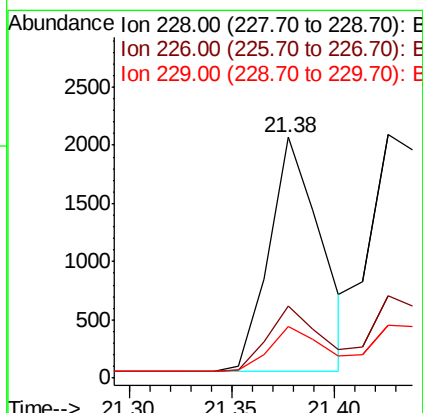
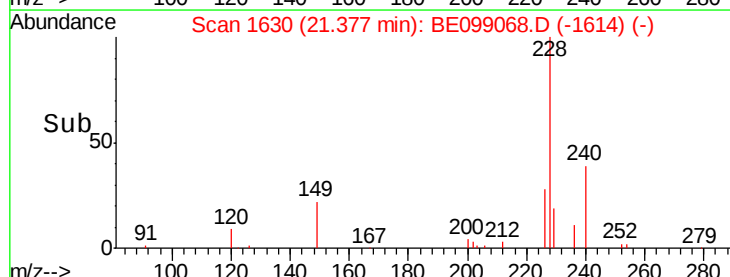
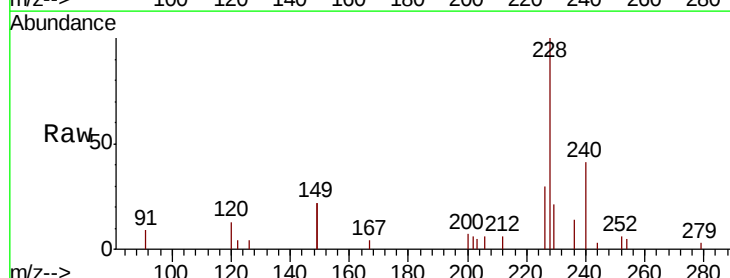
Tgt Ion:228 Resp: 3557

Ion Ratio Lower Upper

228 100

226 30.0 23.0 34.4

229 21.3 16.5 24.7





#31

Chrysene

Concen: 0.208 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

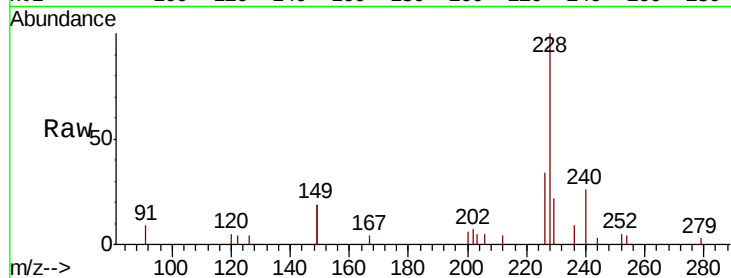
Tot Ion:228 Resp: 4442

Ion Ratio Lower Upper

228 100

226 33.6 23.7 35.5

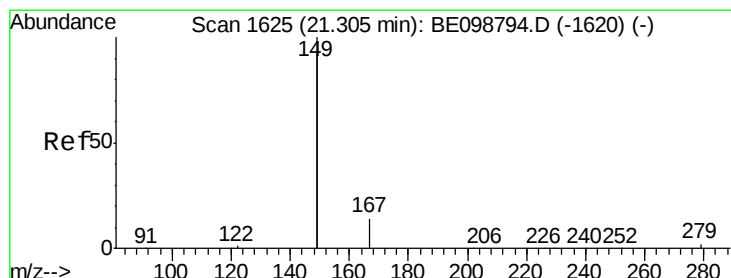
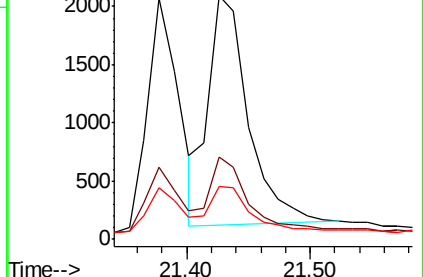
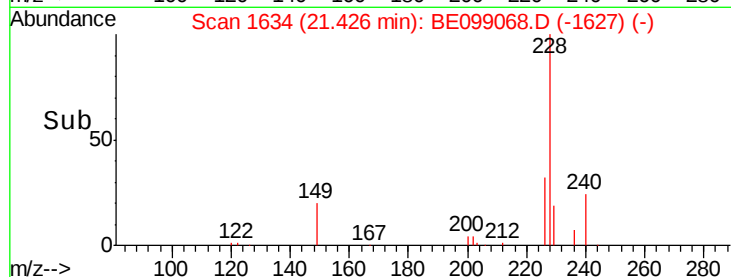
229 21.8 16.1 24.1



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: 0.211 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

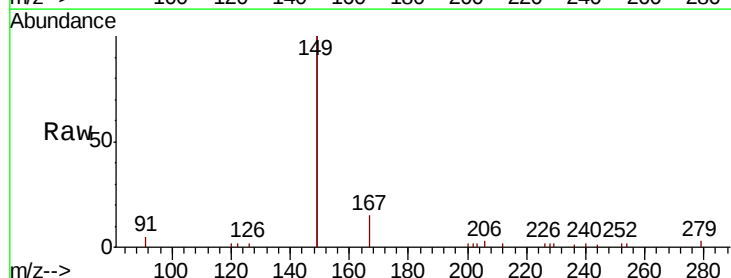
Tgt Ion:149 Resp: 8966

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

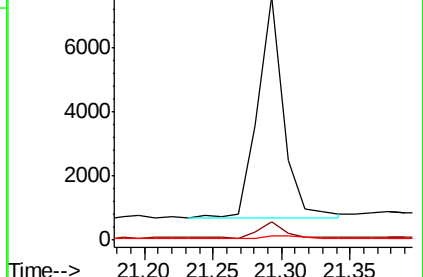
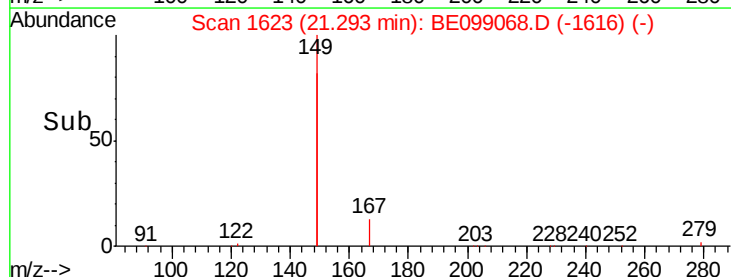
279 1.4 1.0 1.4

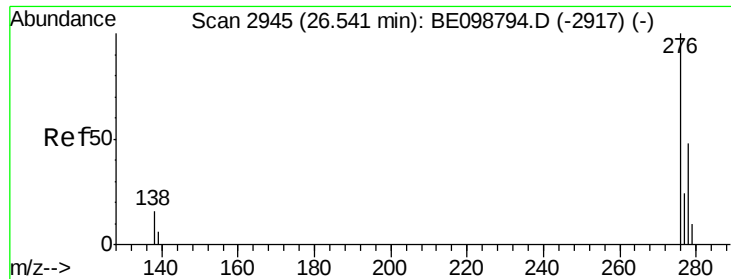


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

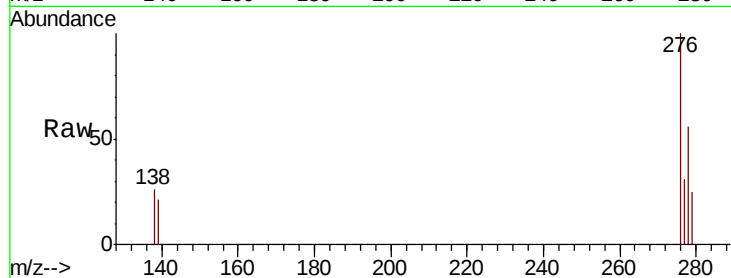




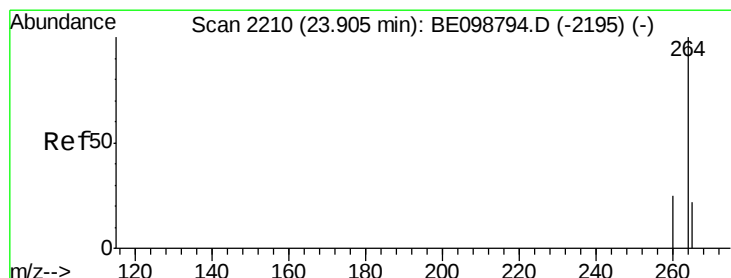
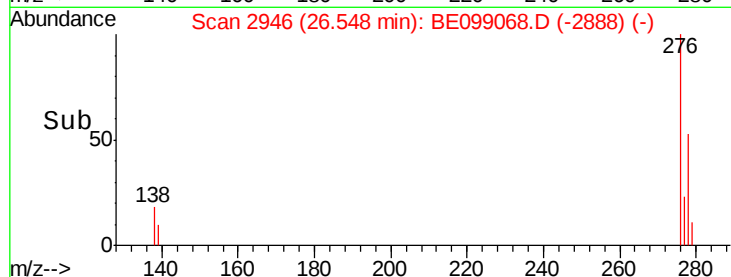
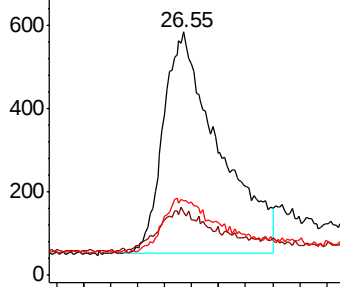
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.135 ng
RT: 26.55 min Scan# 2946
Delta R.T. 0.01 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 3045
Ion Ratio Lower Upper
276 100
138 6.6 13.8 20.8#
277 7.5 19.5 29.3#

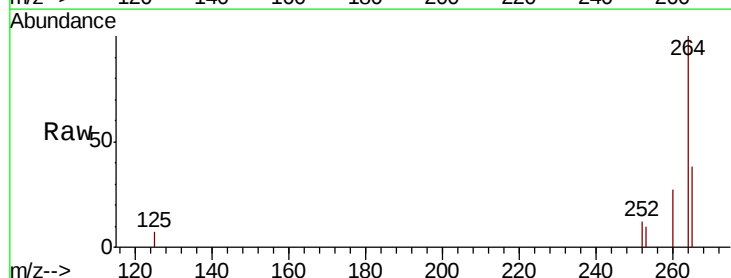


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

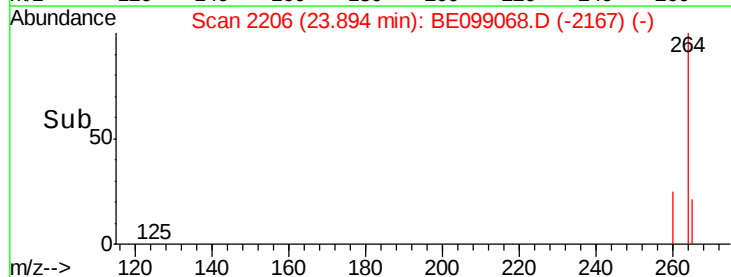
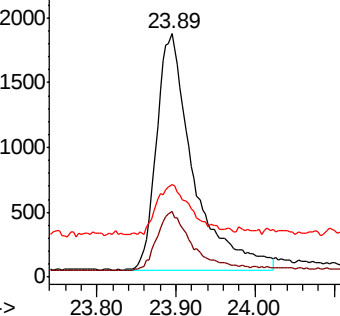


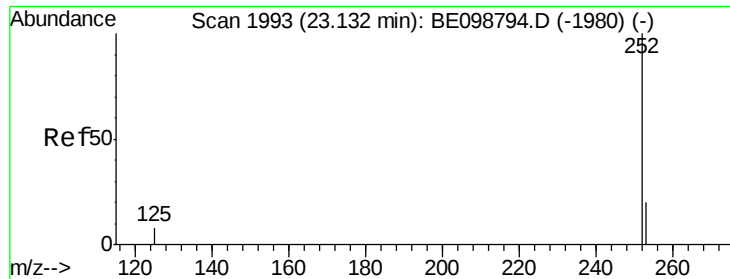
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE099068.D
Acq: 20 Mar 2019 14:38

Tgt Ion:264 Resp: 5884
Ion Ratio Lower Upper
264 100
260 27.0 21.2 31.8
265 38.0 24.6 36.8#



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: 0.186 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

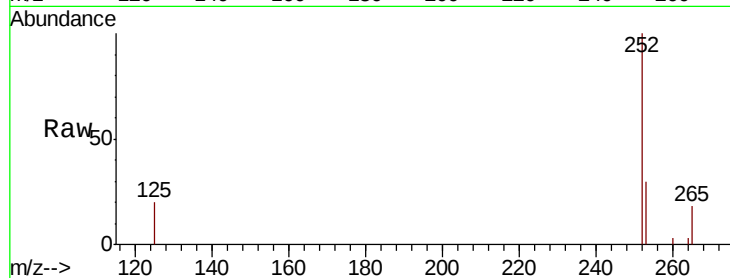
Tot Ion:252 Resp: 3600

Ion Ratio Lower Upper

252 100

253 29.5 18.2 27.2#

125 20.3 7.3 10.9#

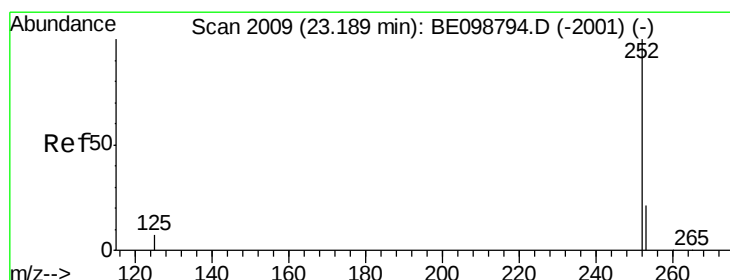
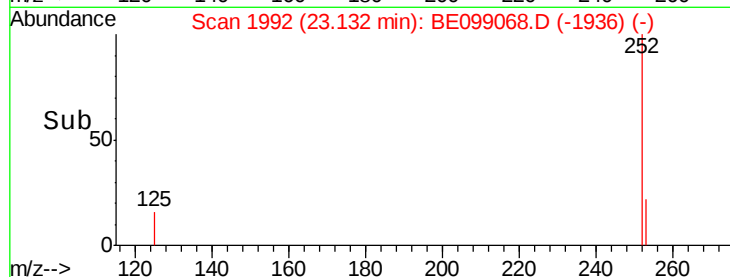
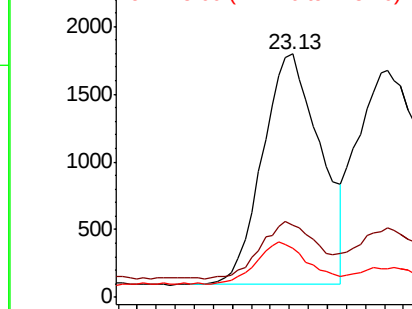


Abundance

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: 0.223 ng

RT: 23.18 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

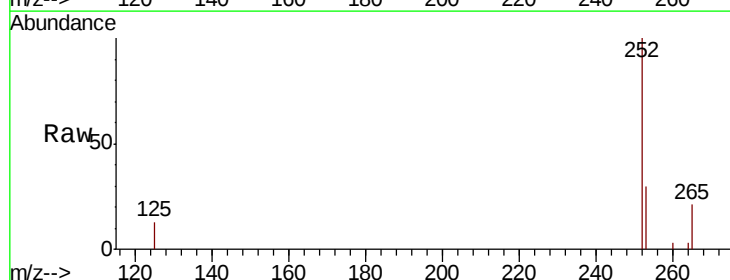
Tgt Ion:252 Resp: 4510

Ion Ratio Lower Upper

252 100

253 30.3 19.3 28.9#

125 12.7 7.5 11.3#

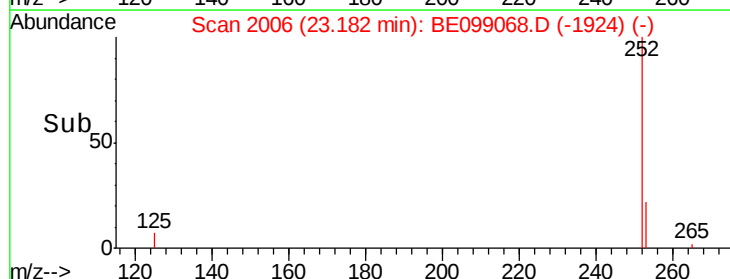
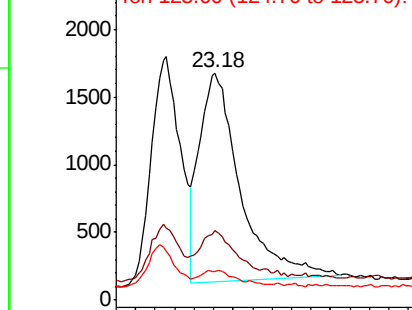


Abundance

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: 0.200 ng

RT: 23.79 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :

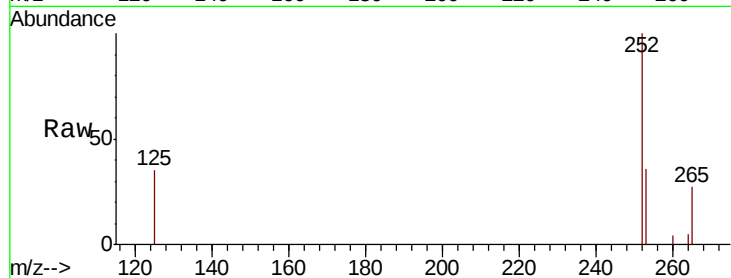
Tot Ion:252 Resp: 3704

Ion Ratio Lower Upper

252 100

253 35.6 19.9 29.9#

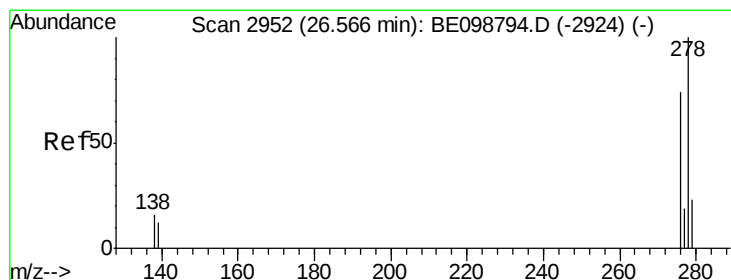
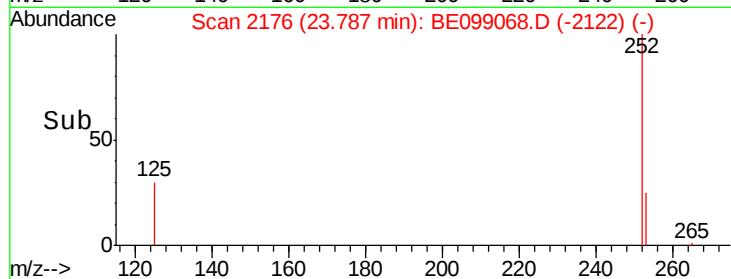
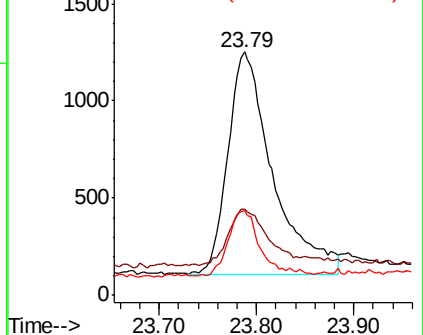
125 34.7 9.0 13.4#



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: 0.047 ng

RT: 26.56 min Scan# 2950

Delta R.T. -0.00 min

Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

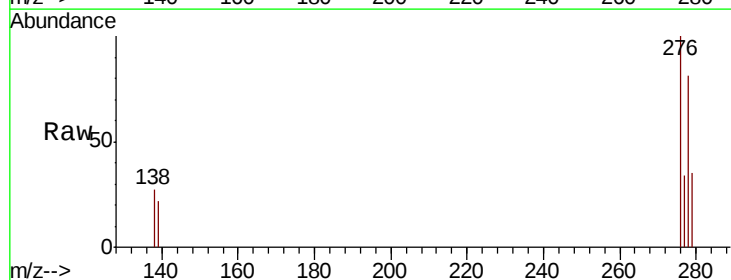
Tgt Ion:278 Resp: 831

Ion Ratio Lower Upper

278 100

139 27.3 11.8 17.6#

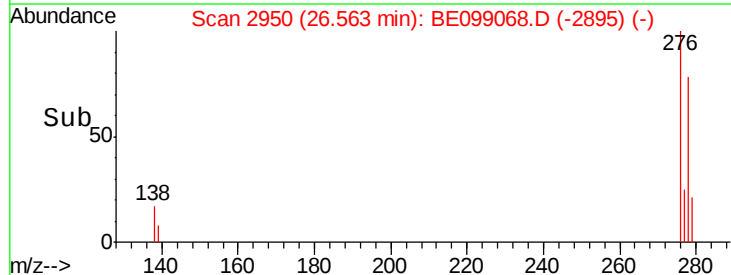
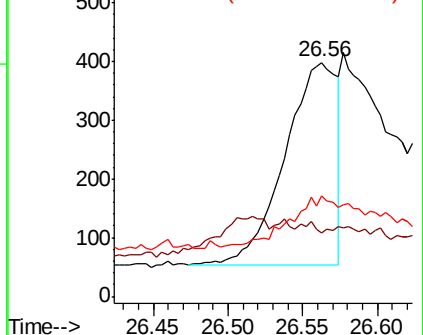
279 42.9 21.1 31.7#



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: 0.149 ng

RT: 27.35 min Scan# 3170

Delta R.T. 0.00 min

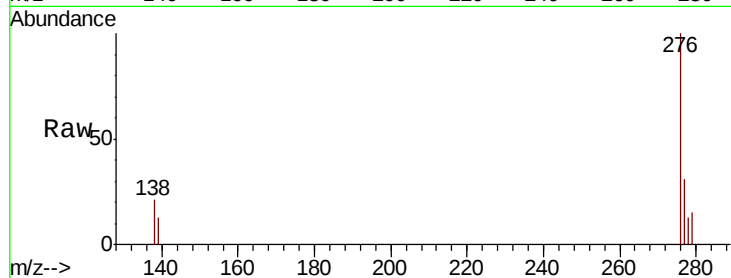
Lab File: BE099068.D

Acq: 20 Mar 2019 14:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 2734

Ion Ratio Lower Upper

276 100

277 31.1 20.4 30.6#

138 21.5 13.6 20.4#

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

