

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032019\
 Data File : BE099069.D
 Acq On : 20 Mar 2019 15:16
 Operator : JU/SJ
 Sample : PB118045BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 20 17:51:10 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	7.79	152	698	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3200	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2241	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	5737	0.40	ng	0.00
27) Chrysene-d12	21.39	240	6519	0.40	ng	-0.01
34) Perylene-d12	23.89	264	5741	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	449	0.22	ng	0.02
5) Phenol-d6	7.01	99	547	0.19	ng	0.02
8) Nitrobenzene-d5	8.99	82	542	0.16	ng	0.03
11) 2-Methylnaphthalene-d10	12.21	152	1528	0.26	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	129	0.11	ng	0.01
15) 2-Fluorobiphenyl	13.09	172	1971	0.21	ng	0.00
25) Fluoranthene-d10	19.24	212	17635	0.19	ng	0.00
29) Terphenyl-d14	19.85	244	3209	0.20	ng	0.00

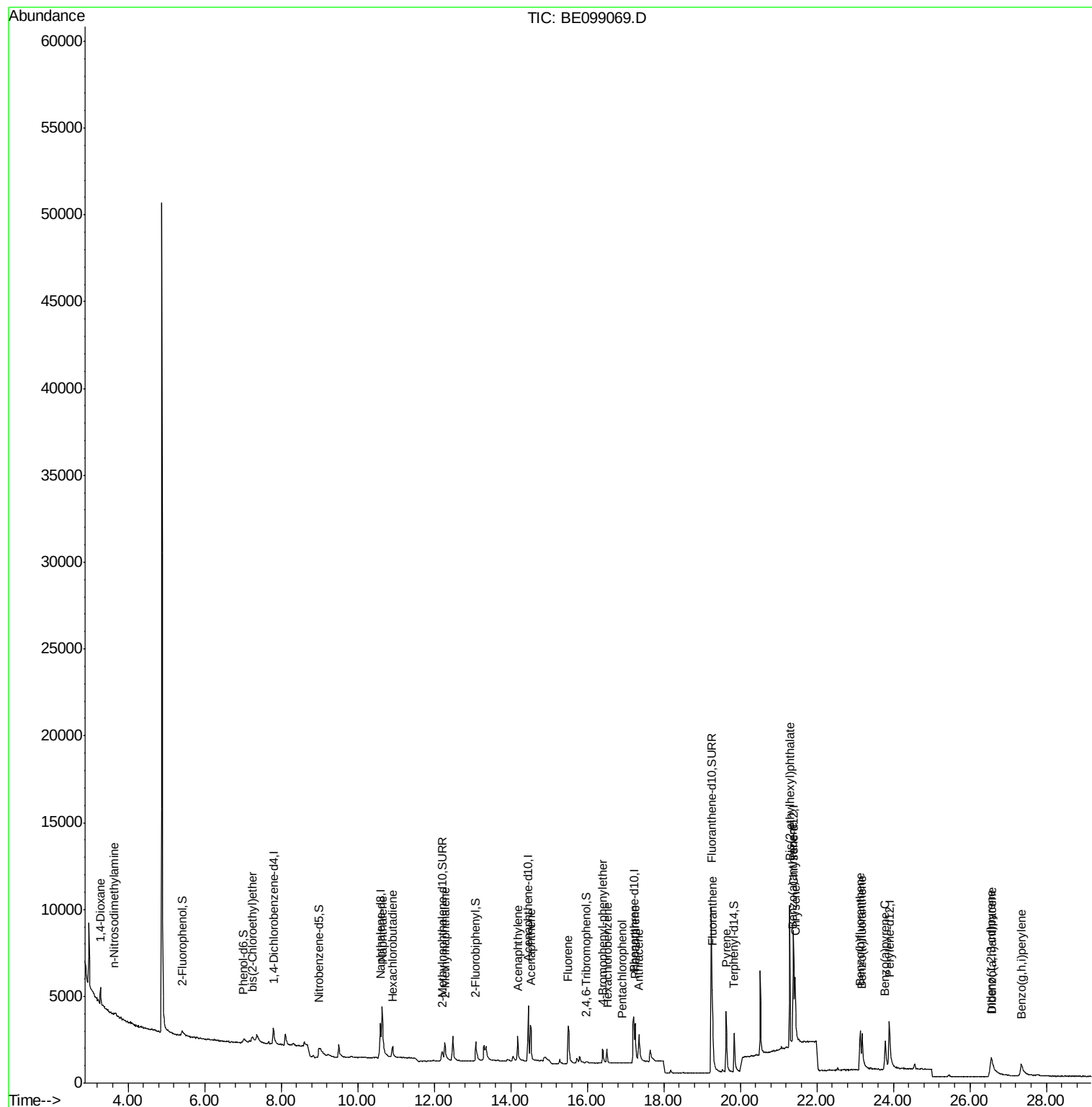
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	505	0.366	ng	# 69
3) n-Nitrosodimethylamine	3.64	42	235	0.134	ng	# 14
6) bis(2-Chloroethyl)ether	7.24	93	321	0.141	ng	# 98
9) Naphthalene	10.64	128	7661	0.209	ng	# 97
10) Hexachlorobutadiene	10.91	225	464	0.191	ng	98
12) 2-Methylnaphthalene	12.28	142	1141	0.192	ng	92
16) Acenaphthylene	14.18	152	2151	0.187	ng	99
17) Acenaphthene	14.53	154	1284	0.188	ng	96
18) Fluorene	15.50	166	1883	0.191	ng	97
20) 4-Bromophenyl-phenylether	16.41	248	662	0.213	ng	86
21) Hexachlorobenzene	16.52	284	729	0.197	ng	95
22) Pentachlorophenol	16.91	266	10	0.272	ng	86
23) Phenanthrene	17.26	178	3277	0.201	ng	98
24) Anthracene	17.35	178	2332	0.167	ng	99
26) Fluoranthene	19.27	202	4120	0.179	ng	98
28) Pyrene	19.63	202	4312	0.216	ng	100
30) Benzo(a)anthracene	21.38	228	3989	0.196	ng	98
31) Chrysene	21.44	228	4101	0.188	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	8987	0.208	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	2401	0.104	ng	# 84
35) Benzo(b)fluoranthene	23.14	252	3575	0.189	ng	# 83
36) Benzo(k)fluoranthene	23.18	252	4695	0.238	ng	# 89
37) Benzo(a)pyrene	23.79	252	3557	0.197	ng	# 66
38) Dibenzo(a,h)anthracene	26.58	278	1935	0.113	ng	# 71
39) Benzo(g,h,i)perylene	27.34	276	974	0.054	ng	# 79

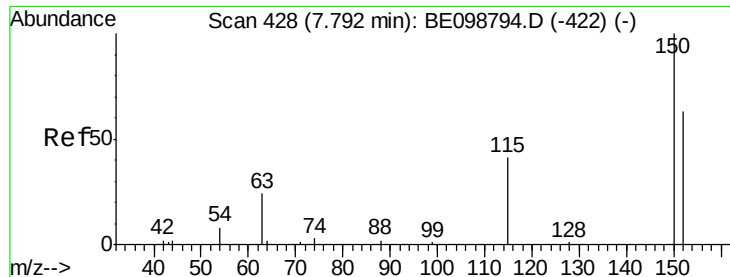
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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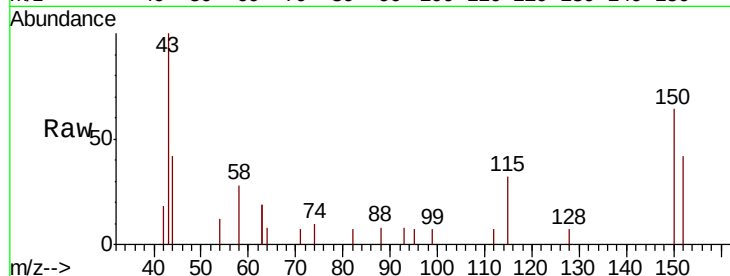


#1

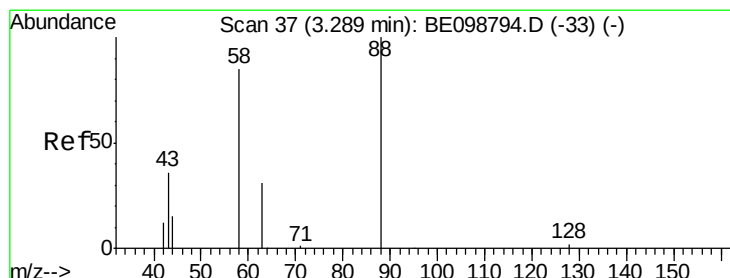
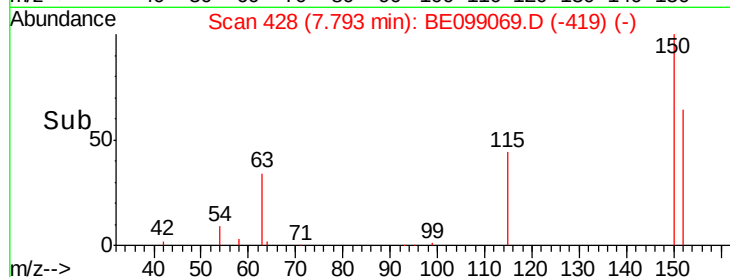
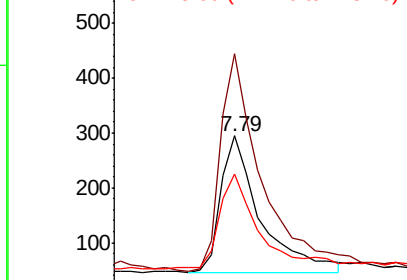
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 698
Ion Ratio Lower Upper
152 100
150 150.5 122.5 183.7
115 76.6 57.4 86.2



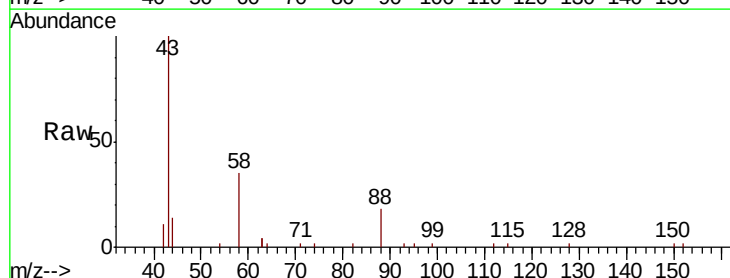
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



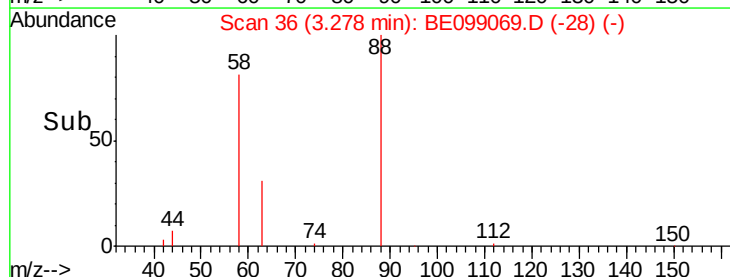
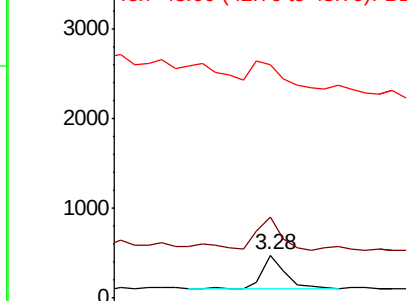
#2

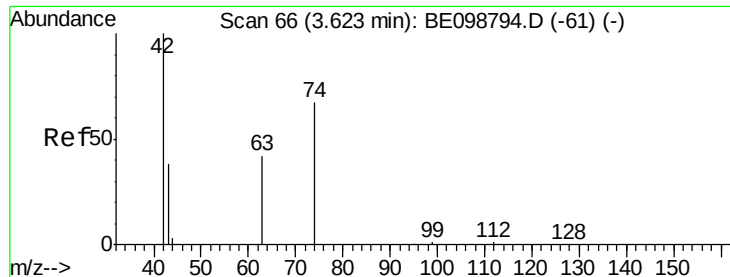
1,4-Dioxane
Concen: 0.366 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Tgt Ion: 88 Resp: 505
Ion Ratio Lower Upper
88 100
58 100.8 75.8 113.6
43 105.7 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



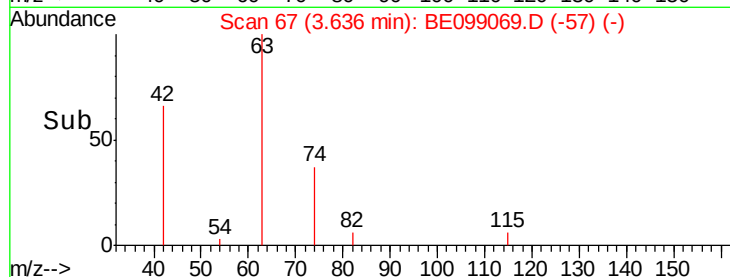
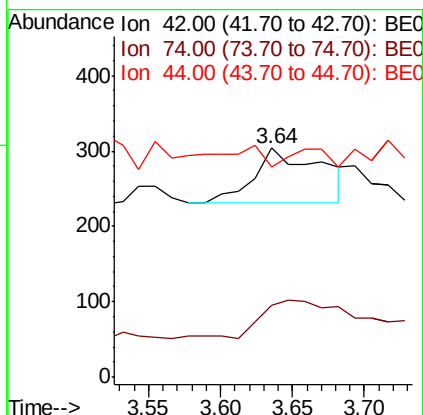
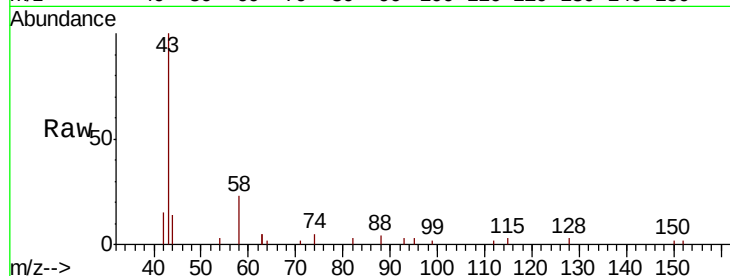


#3

n-Nitrosodimethylamine
 Concen: 0.134 ng
 RT: 3.64 min Scan# 67
 Delta R.T. 0.01 min
 Lab File: BE099069.D
 Acq: 20 Mar 2019 15:16

Instrument :
 BNA_E
 ClientSampleId :

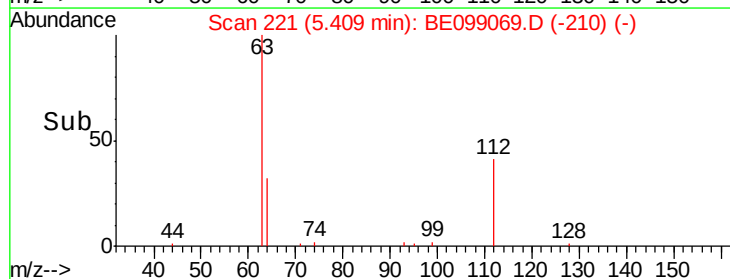
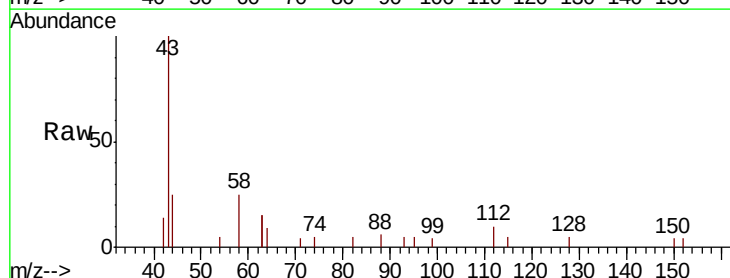
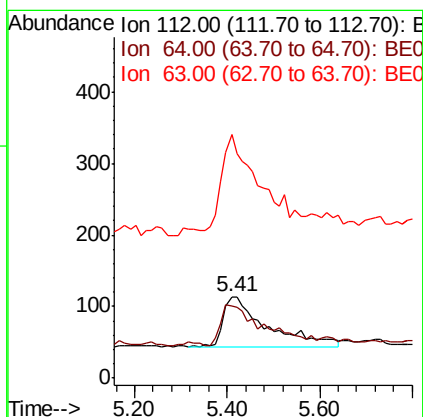
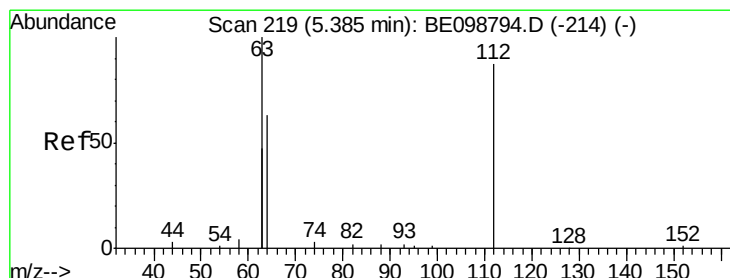
Tot Ion: 42 Resp: 235
 Ion Ratio Lower Upper
 42 100
 74 0.0 57.0 85.4#
 44 0.0 0.0 0.0

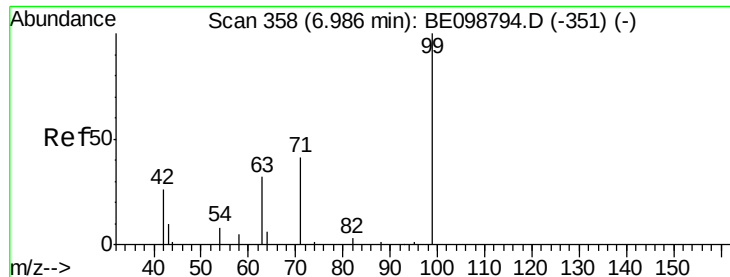


#4

2-Fluorophenol
 Concen: 0.215 ng
 RT: 5.41 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: BE099069.D
 Acq: 20 Mar 2019 15:16

Tgt Ion: 112 Resp: 449
 Ion Ratio Lower Upper
 112 100
 64 78.4 57.9 86.9
 63 170.6 158.3 237.5





#5

Phenol-d6

Concen: 0.186 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampled :

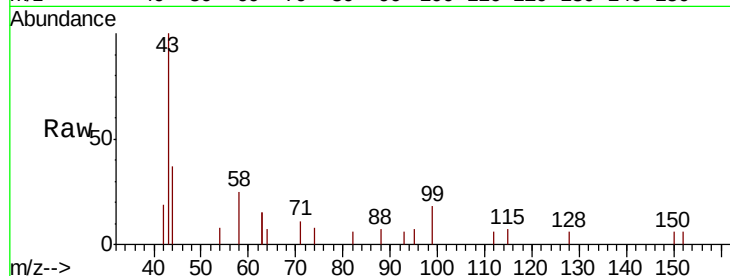
Tot Ion: 99 Resp: 547

Ion Ratio Lower Upper

99 100

42 26.7 24.2 36.2

71 53.7 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

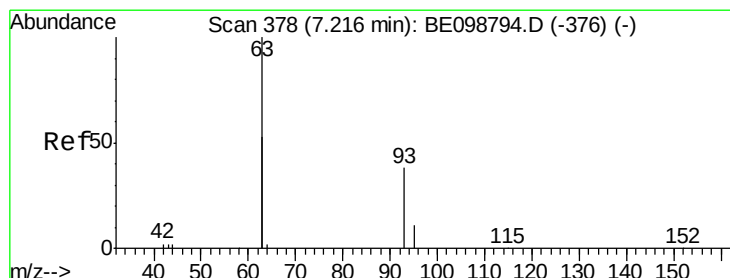
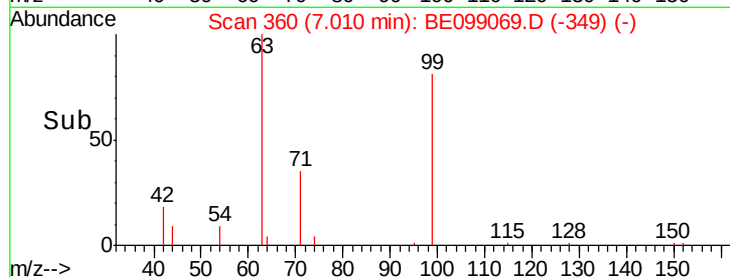
100

50

0

6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.141 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.02 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

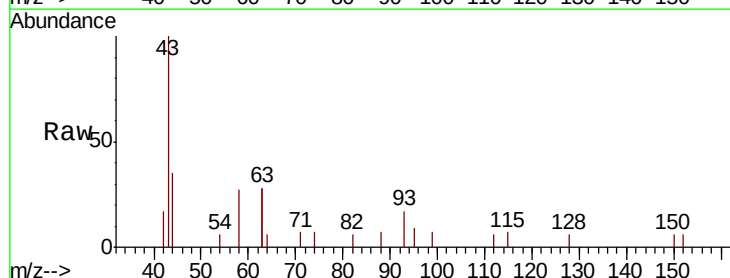
Tgt Ion: 93 Resp: 321

Ion Ratio Lower Upper

93 100

63 310.0 247.5 371.3

95 39.3 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

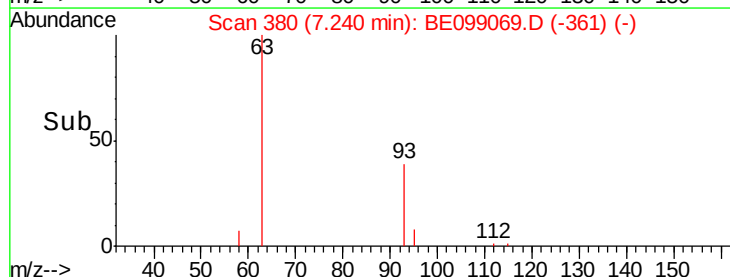
200

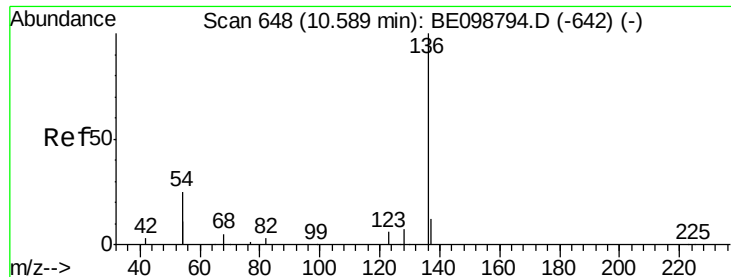
100

0

7.20 7.30 7.40

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3200

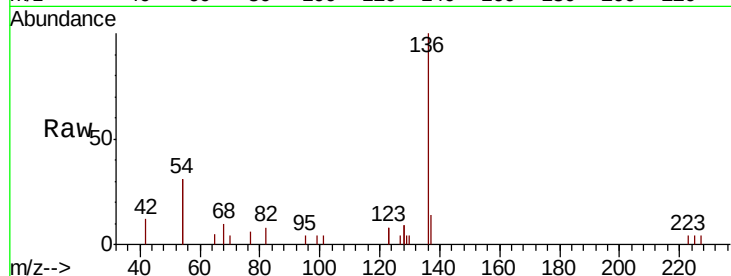
Ion Ratio Lower Upper

136 100

137 14.4 11.4 17.0

54 61.5 39.3 58.9#

68 9.6 6.7 10.1

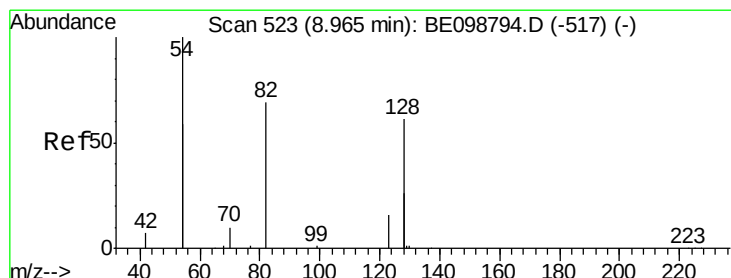
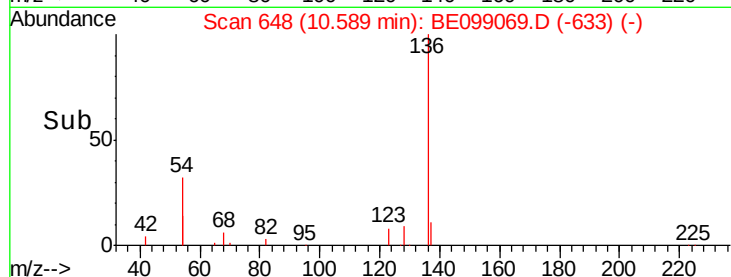
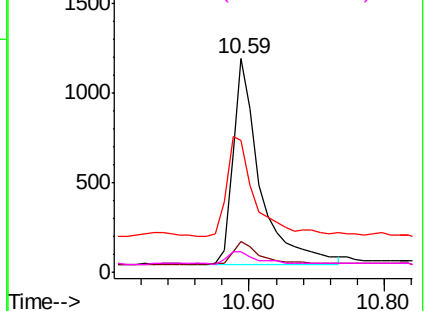


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.162 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

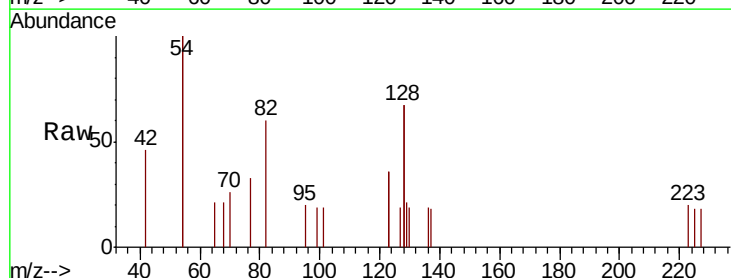
Tgt Ion: 82 Resp: 542

Ion Ratio Lower Upper

82 100

128 222.8 123.8 185.8#

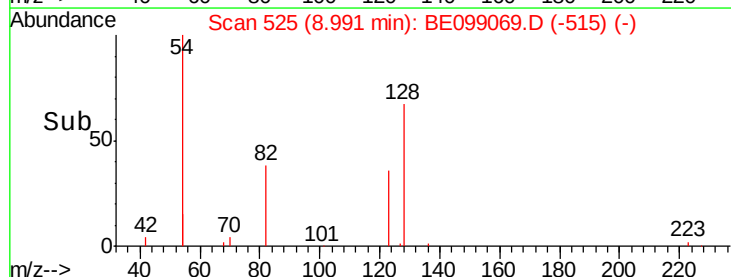
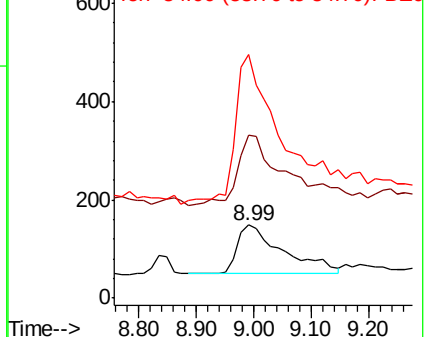
54 332.9 203.4 305.2#

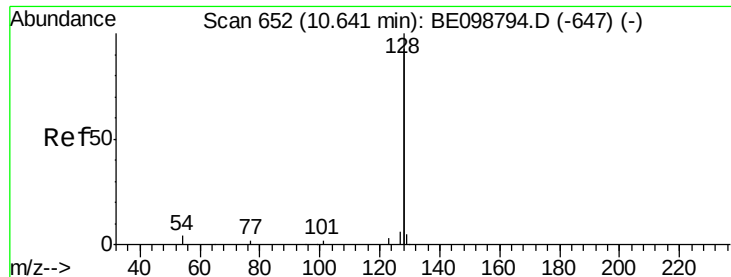


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.209 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

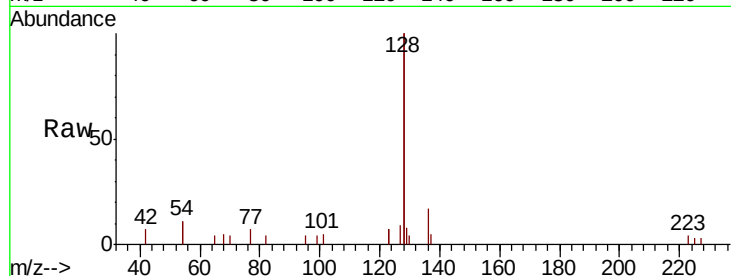
Tot Ion:128 Resp: 7661

Ion Ratio Lower Upper

128 100

129 4.2 2.6 4.0#

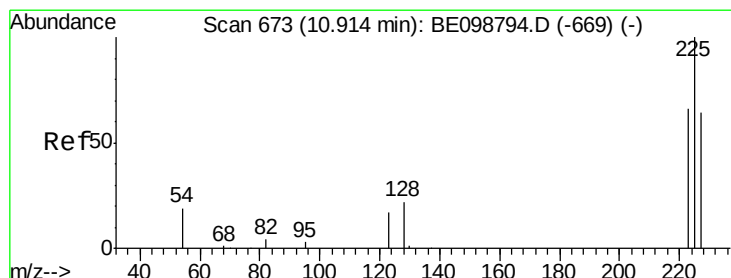
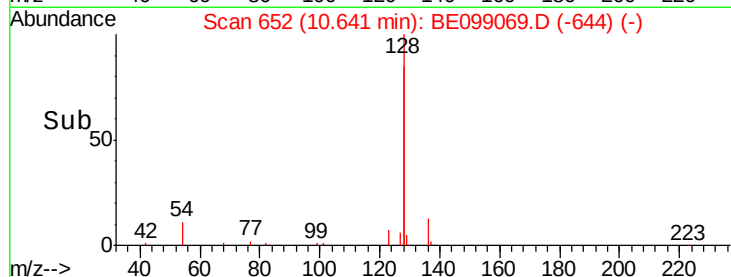
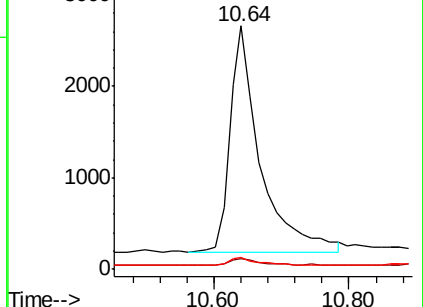
127 4.7 3.1 4.7#



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: 0.191 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

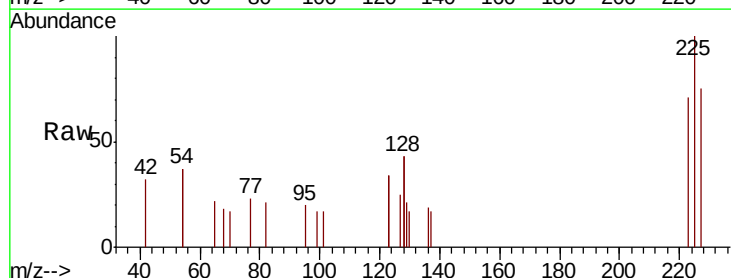
Tgt Ion:225 Resp: 464

Ion Ratio Lower Upper

225 100

223 63.6 51.1 76.7

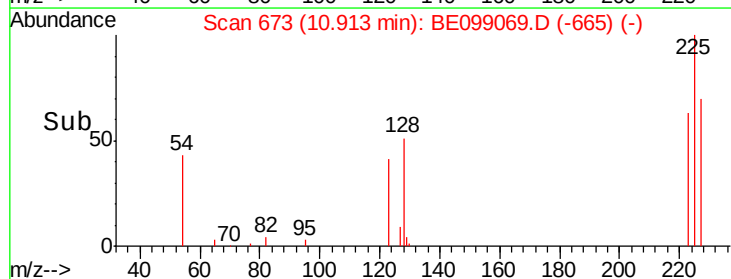
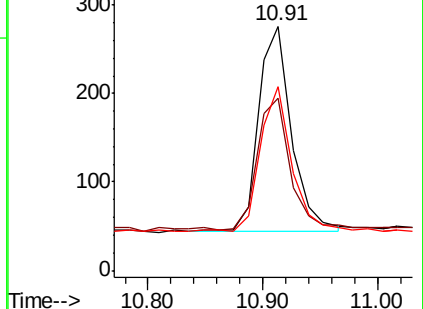
227 67.5 51.6 77.4

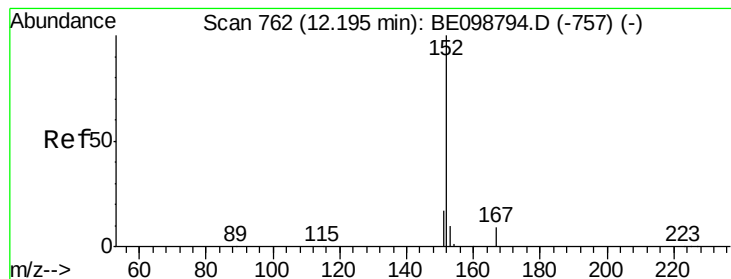


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.258 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

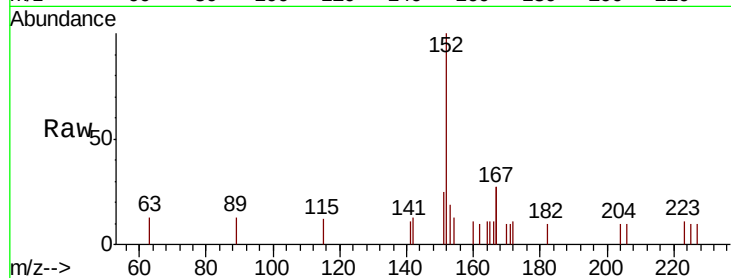
ClientSampled :

Tot Ion:152 Resp: 1528

Ion Ratio Lower Upper

152 100

151 16.2 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

400

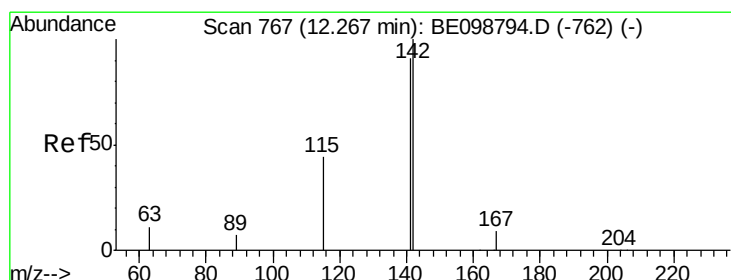
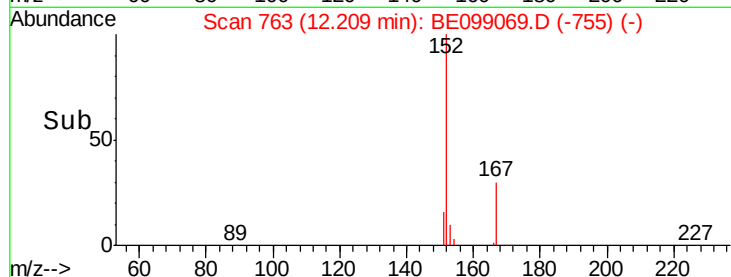
300

200

100

0

Time--> 12.00 12.20 12.40



#12

2-Methylnaphthalene

Concen: 0.192 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.01 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

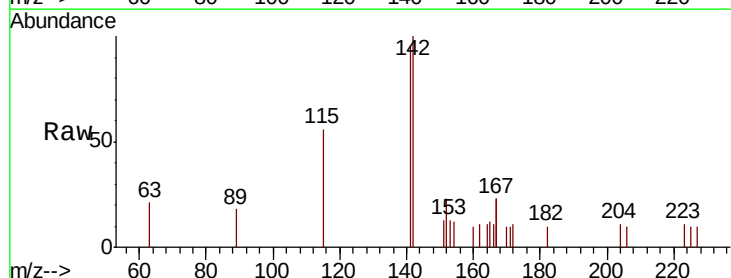
Tgt Ion:142 Resp: 1141

Ion Ratio Lower Upper

142 100

141 95.4 72.6 108.8

115 55.7 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

12.28

400

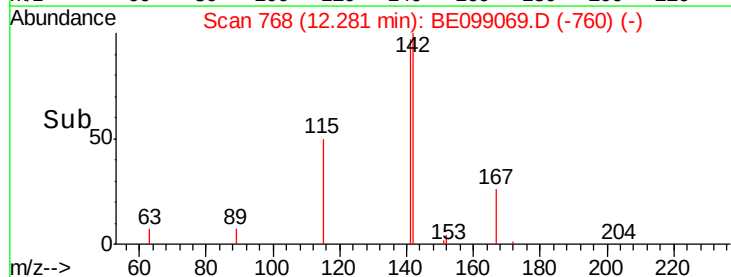
300

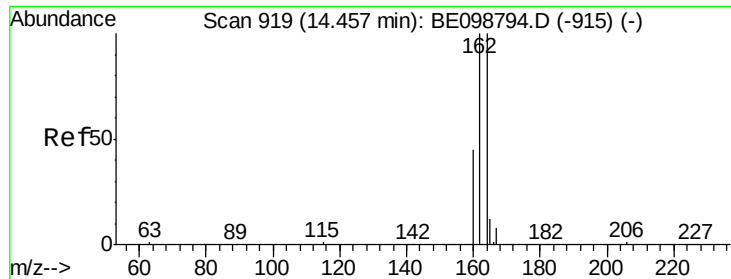
200

100

0

Time--> 12.20 12.30

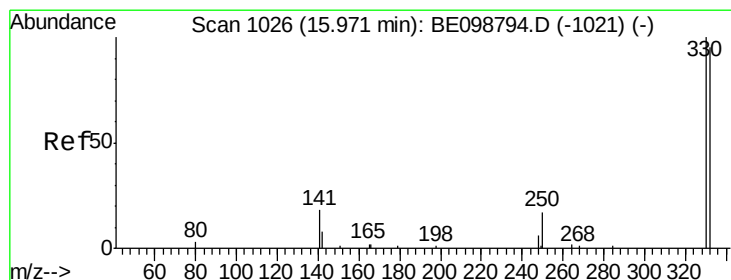
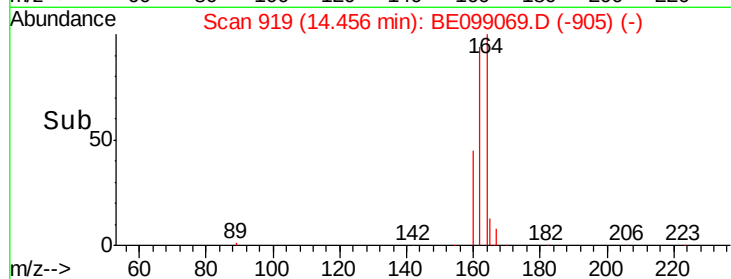
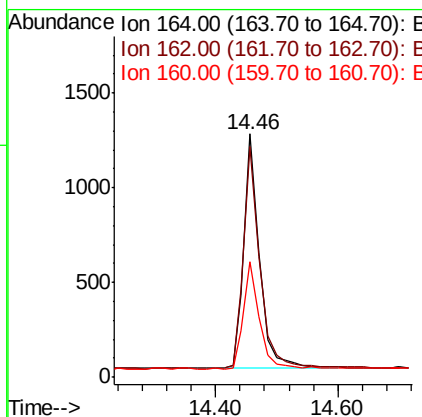
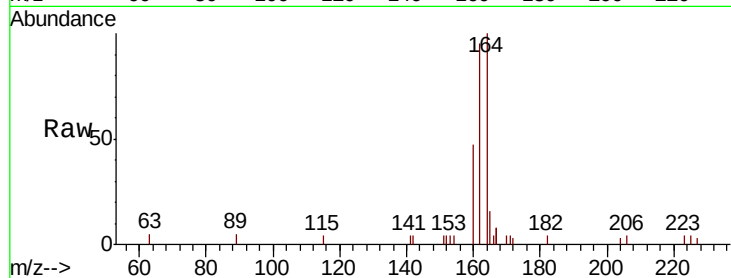




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

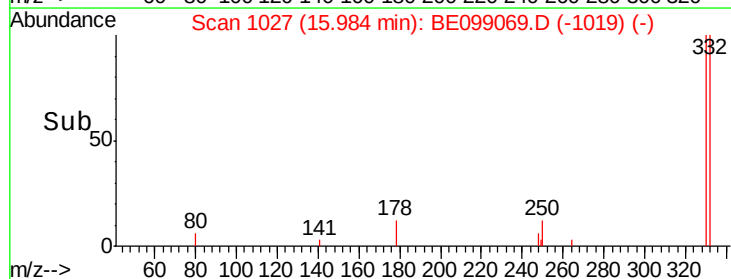
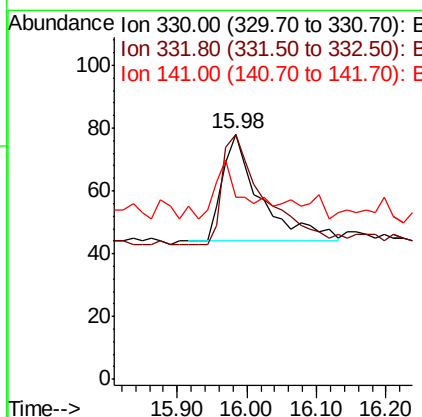
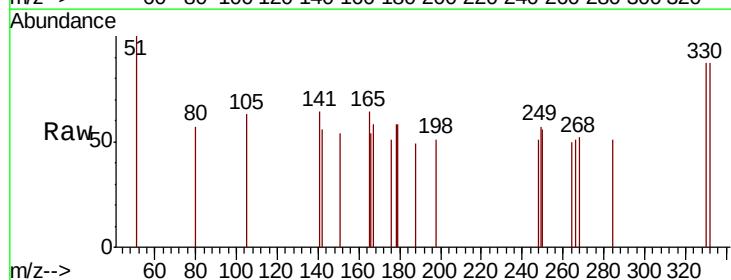
Instrument :
BNA_E
ClientSampleId :

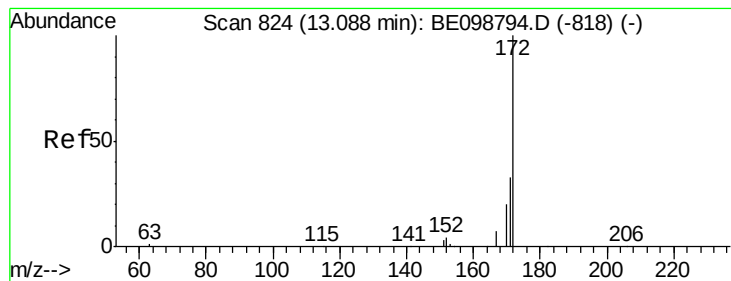
Tot Ion:164 Resp: 2241
Ion Ratio Lower Upper
164 100
162 94.8 80.2 120.2
160 47.2 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.114 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Tgt Ion:330 Resp: 129
Ion Ratio Lower Upper
330 100
332 115.5 77.6 116.4
141 42.6 31.0 46.4

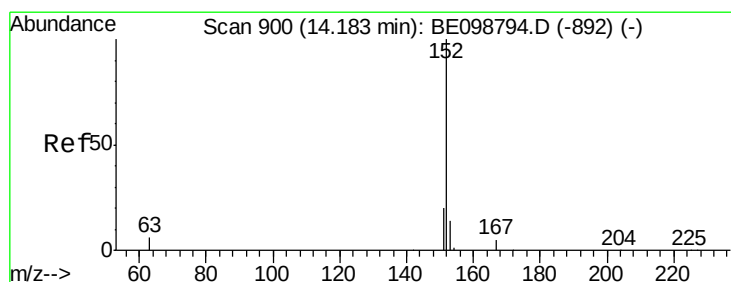
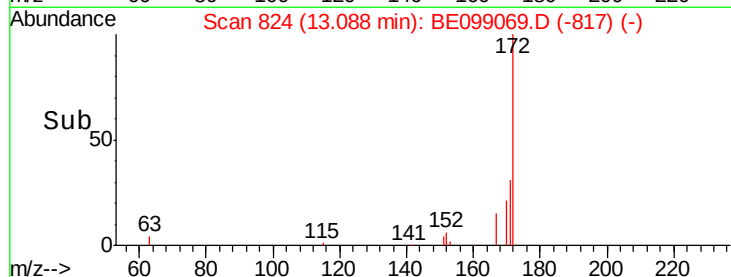
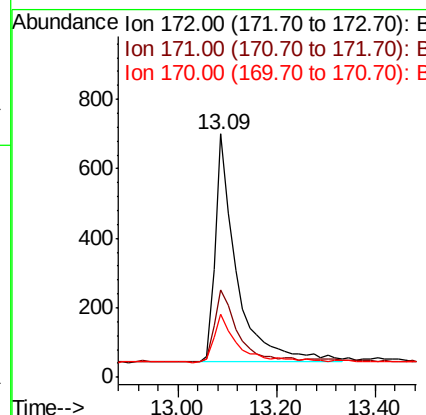
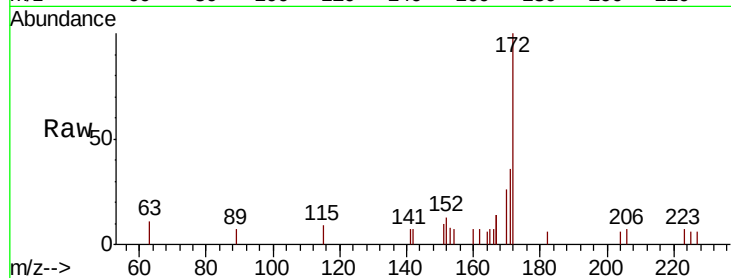




#15
2-Fluorobiphenyl
Concen: 0.212 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

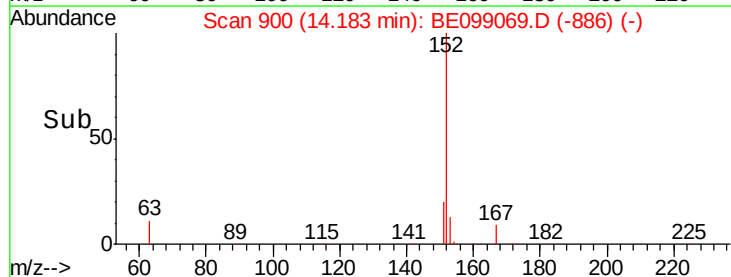
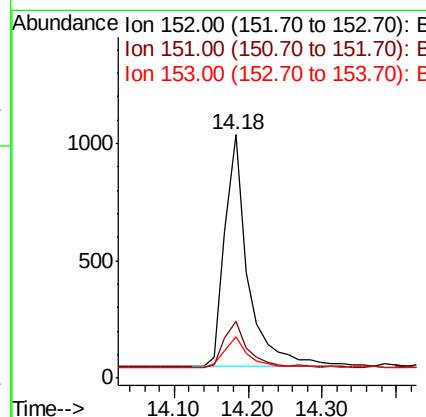
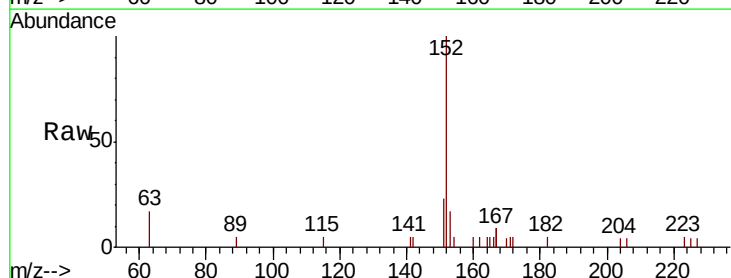
Instrument :
BNA_E
ClientSampleId :

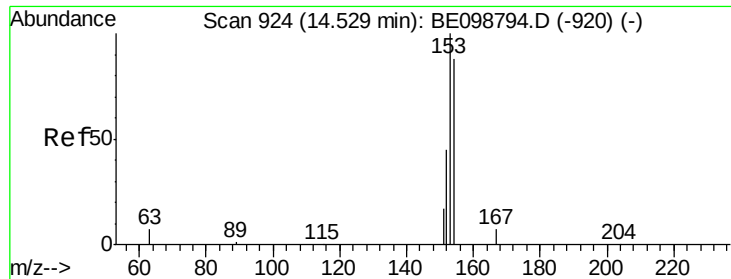
Tot Ion:172 Resp: 1971
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 25.7 17.7 26.5



#16
Acenaphthylene
Concen: 0.187 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Tgt Ion:152 Resp: 2151
Ion Ratio Lower Upper
152 100
151 21.0 17.0 25.6
153 13.4 11.2 16.8

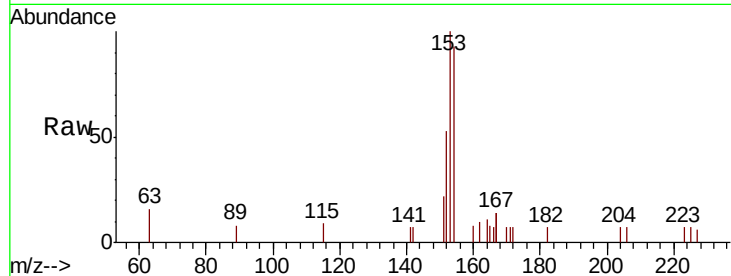




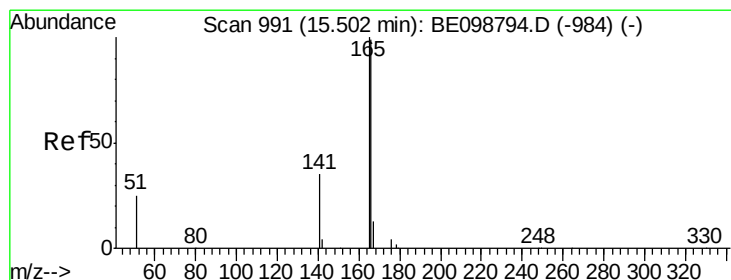
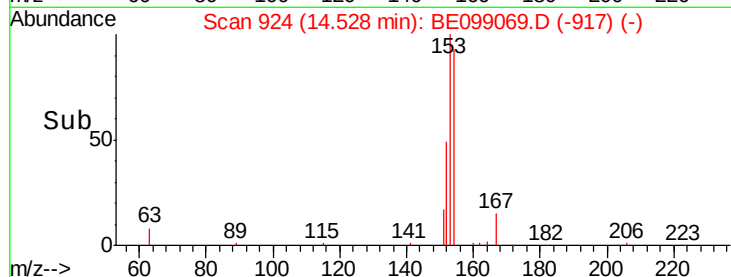
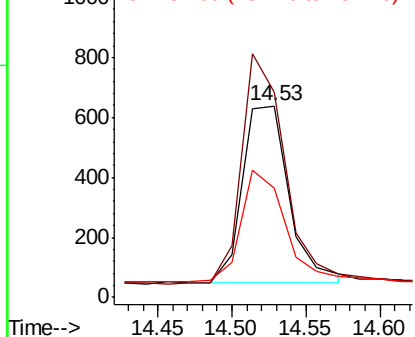
#17
Acenaphthene
Concen: 0.188 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 1284
Ion Ratio Lower Upper
154 100
153 121.9 94.2 141.4
152 60.0 45.0 67.4

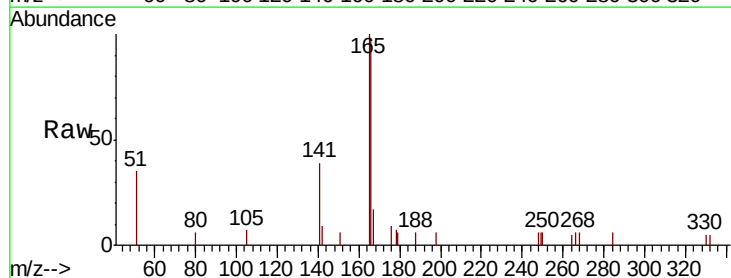


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

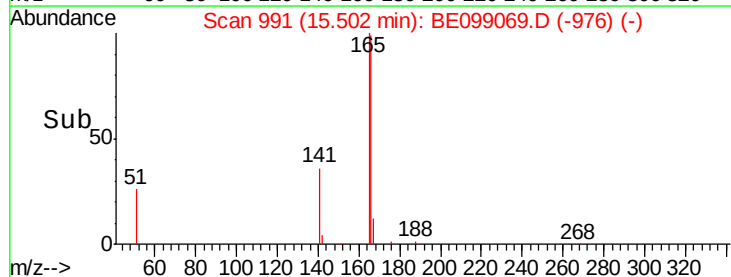
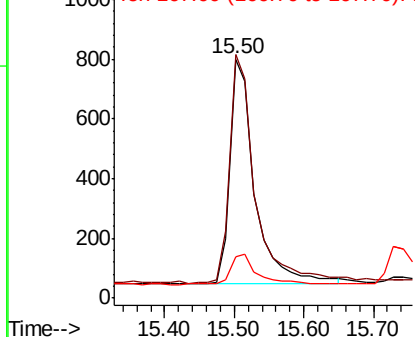


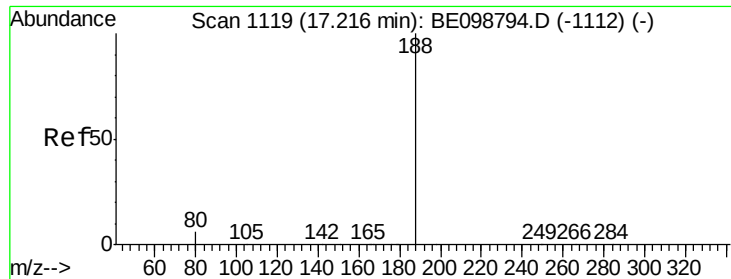
#18
Fluorene
Concen: 0.191 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Tgt Ion:166 Resp: 1883
Ion Ratio Lower Upper
166 100
165 101.8 79.3 118.9
167 14.7 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: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

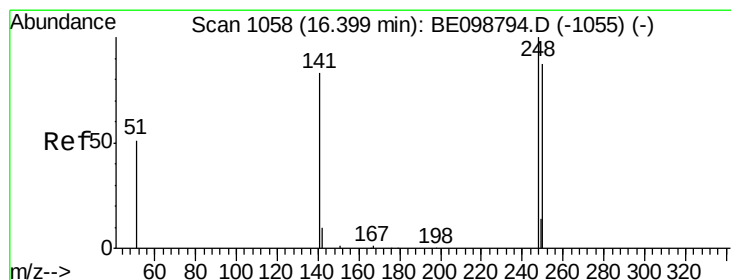
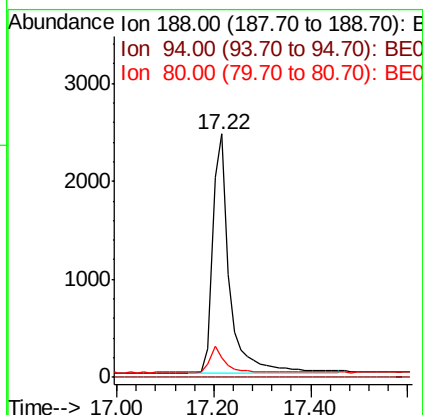
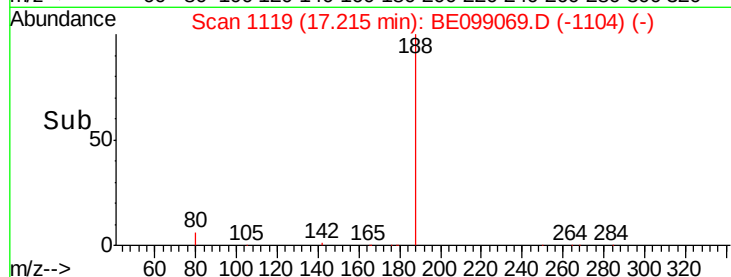
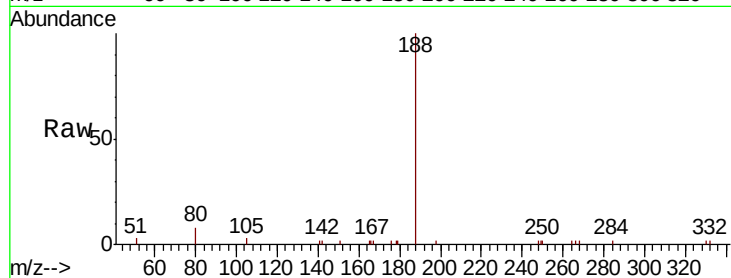
Tot Ion:188 Resp: 5737

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.2 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.213 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

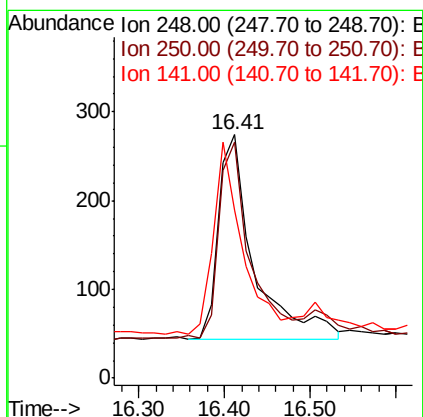
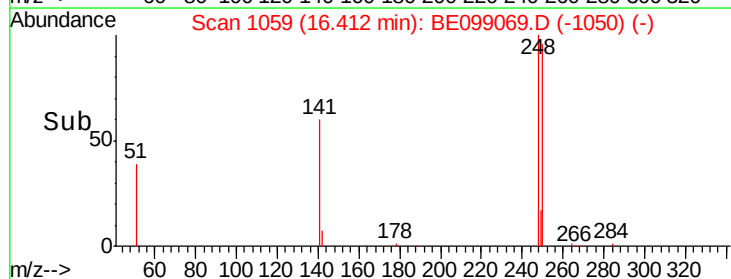
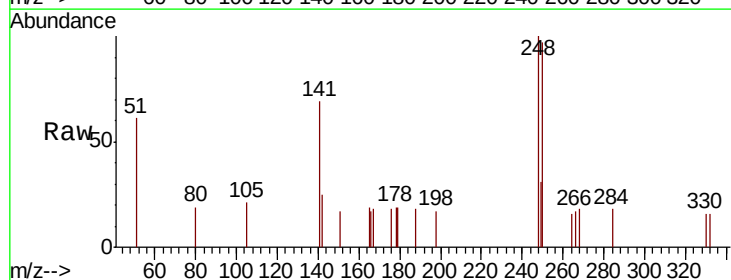
Tgt Ion:248 Resp: 662

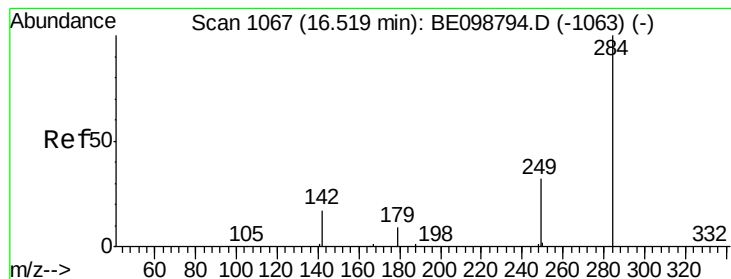
Ion Ratio Lower Upper

248 100

250 97.1 70.6 105.8

141 69.3 68.6 102.8





#21

Hexachlorobenzene

Concen: 0.197 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampled :

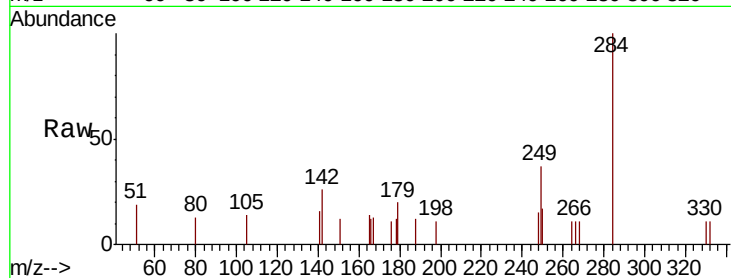
Tot Ion:284 Resp: 729

Ion Ratio Lower Upper

284 100

142 35.5 28.7 43.1

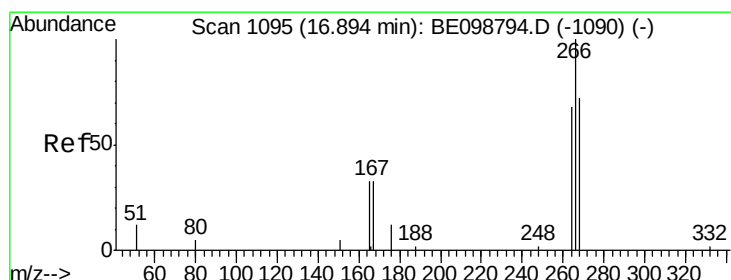
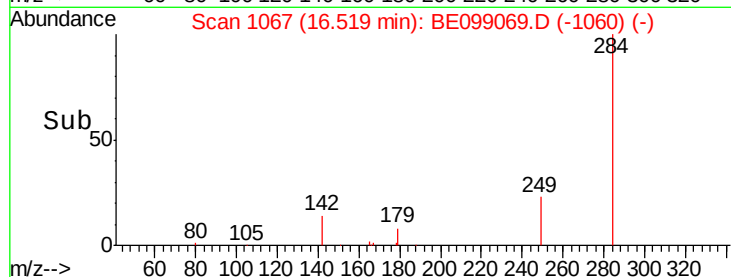
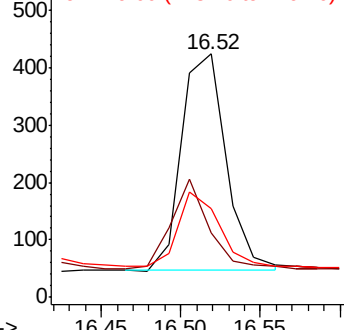
249 31.4 29.6 44.4



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: 0.272 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

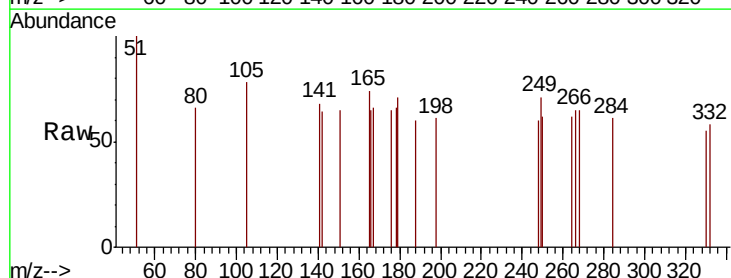
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 96.0 66.6 100.0

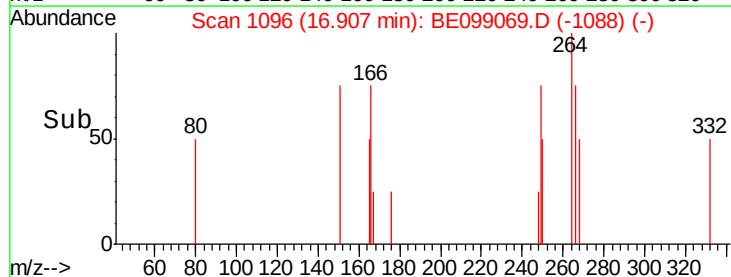
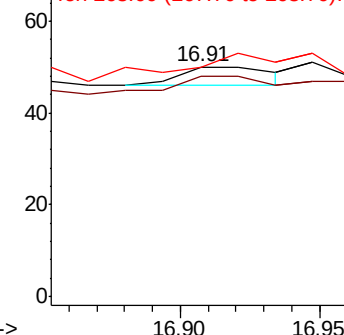
268 100.0 69.8 104.8

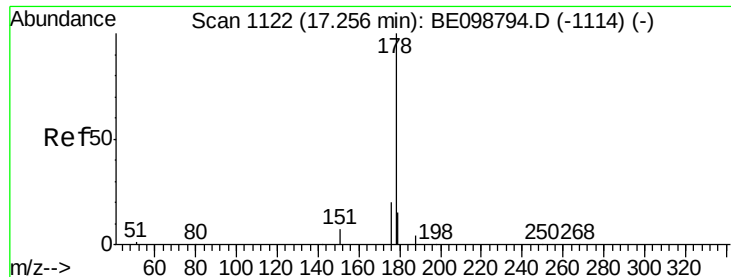


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.201 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

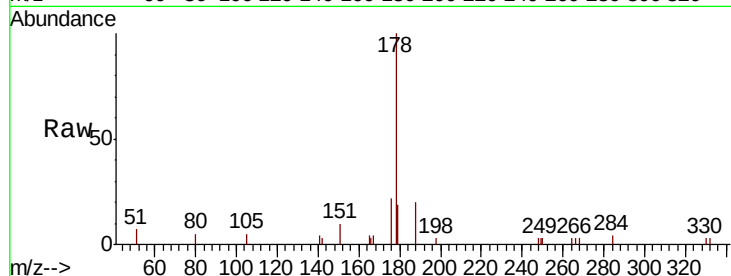
Tot Ion:178 Resp: 3277

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

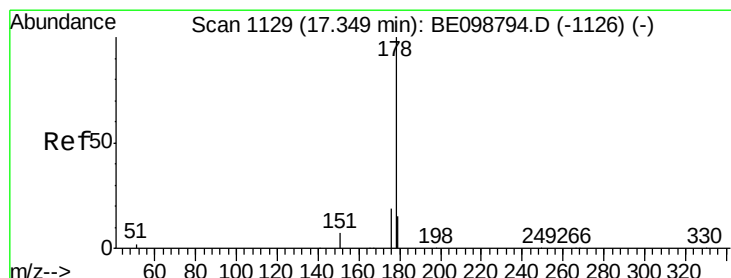
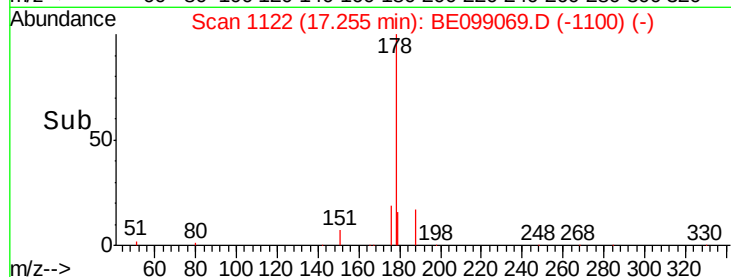
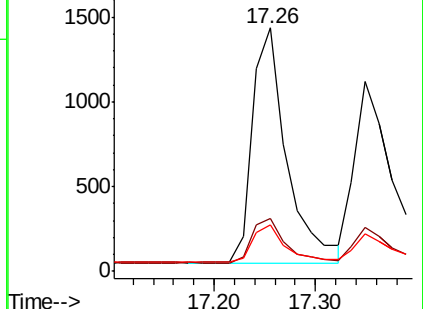
179 15.4 12.1 18.1



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: 0.167 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

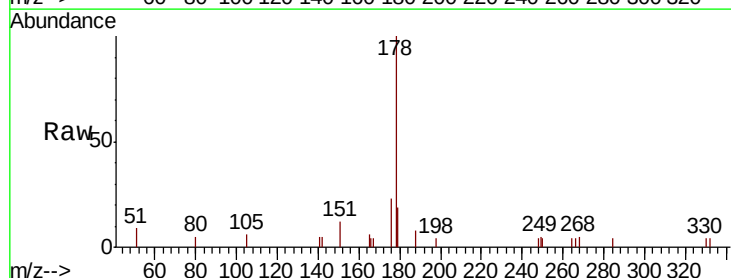
Tgt Ion:178 Resp: 2332

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

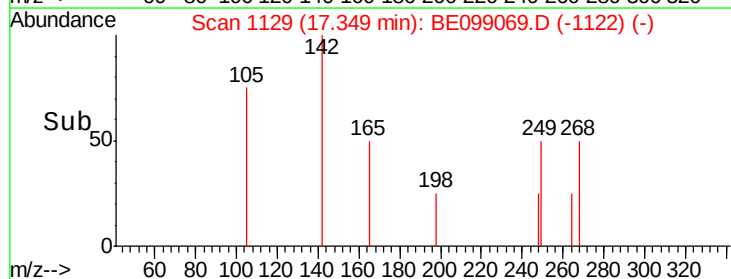
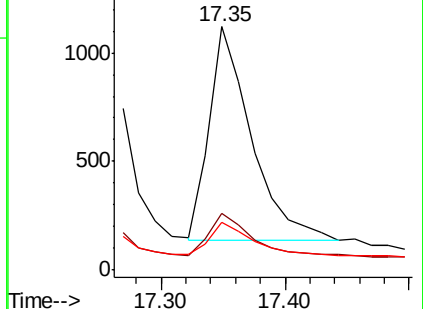
179 14.8 12.2 18.4

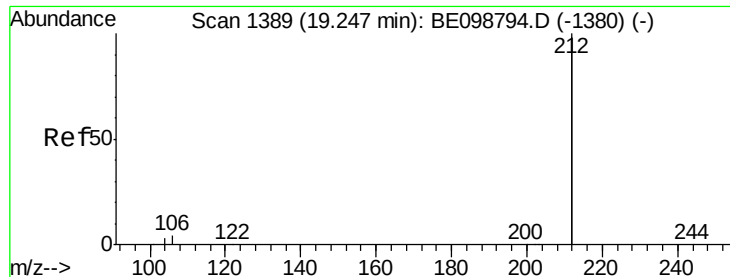


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.193 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

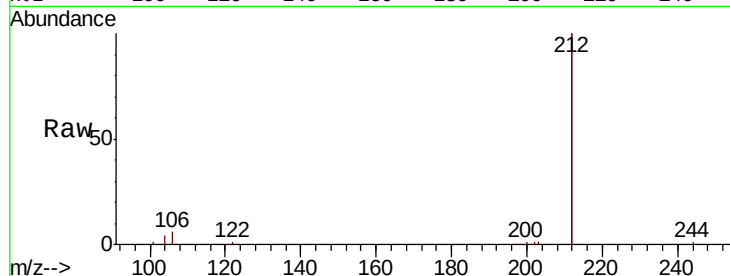
Tot Ion:212 Resp: 17635

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

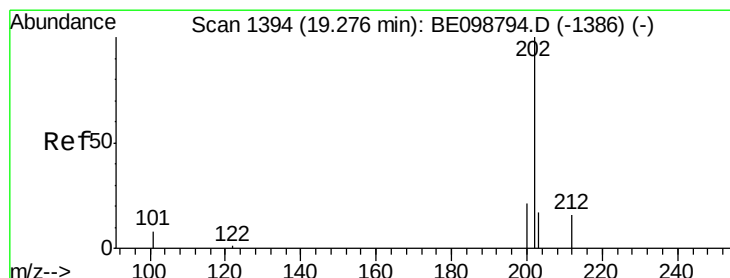
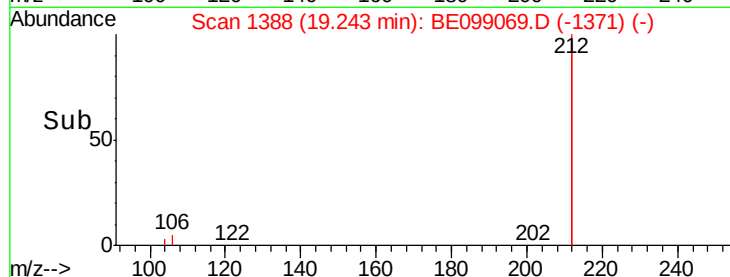
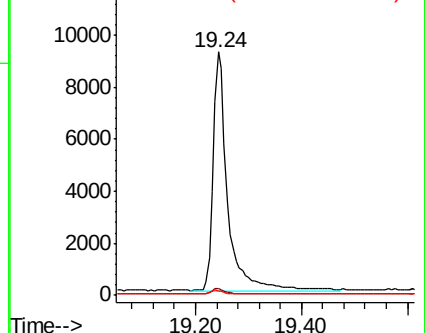
104 1.3 1.0 1.6



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: 0.179 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

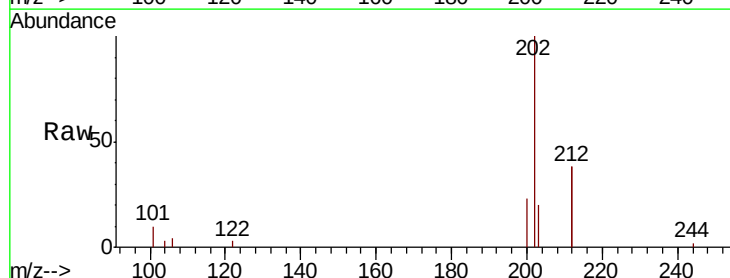
Tgt Ion:202 Resp: 4120

Ion Ratio Lower Upper

202 100

101 8.7 7.3 10.9

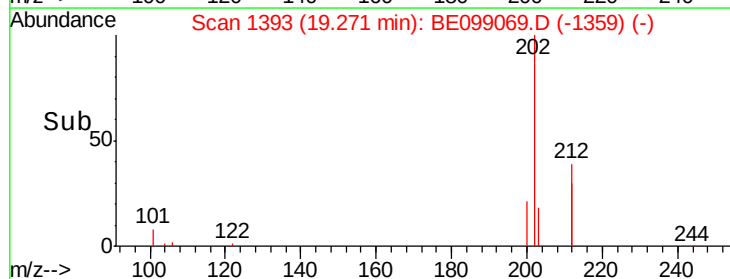
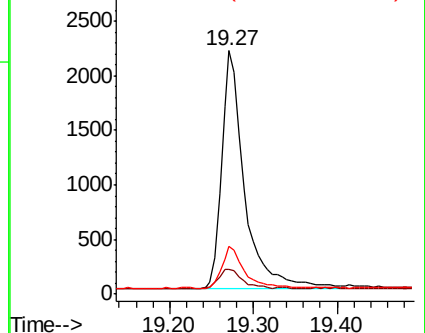
203 17.8 13.4 20.2

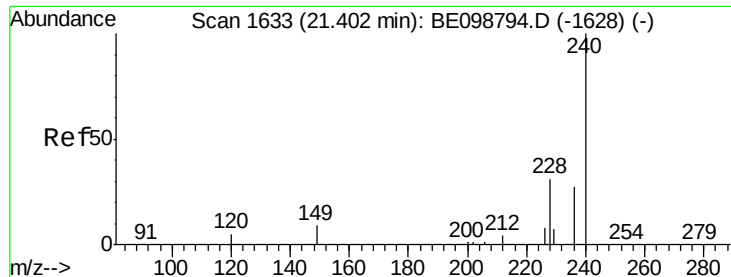


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

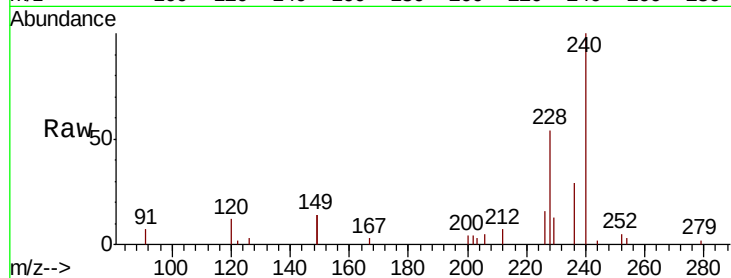
Tot Ion:240 Resp: 6519

Ion Ratio Lower Upper

240 100

120 11.6 5.0 7.4#

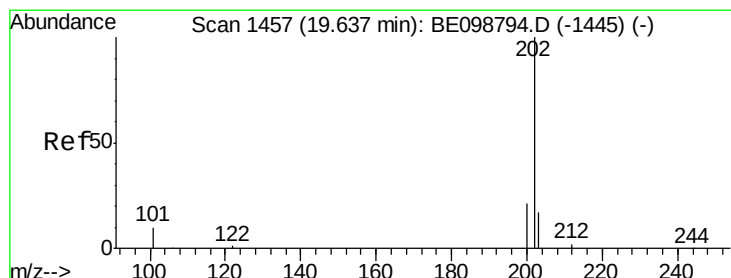
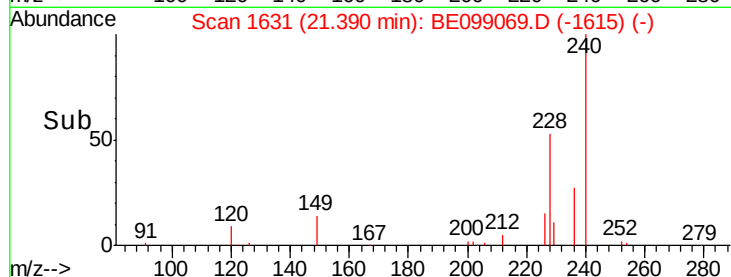
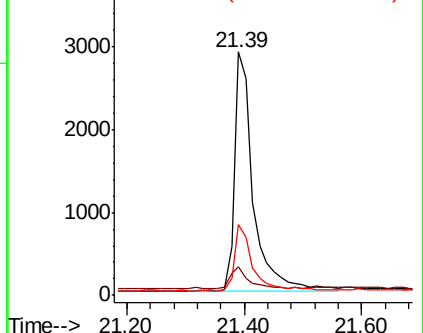
236 29.0 22.7 34.1



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: 0.216 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

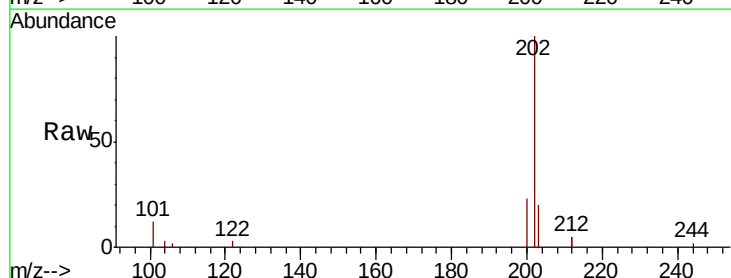
Tgt Ion:202 Resp: 4312

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

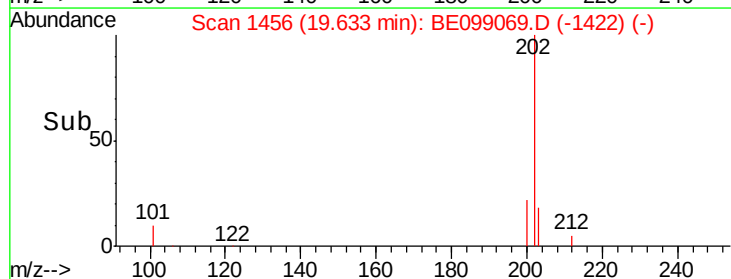
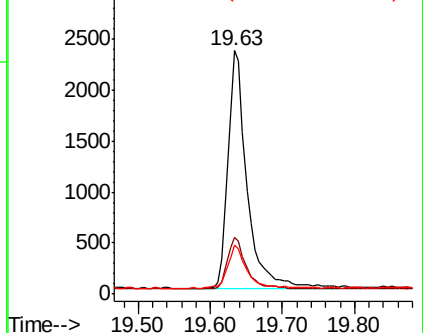
203 17.8 14.2 21.2

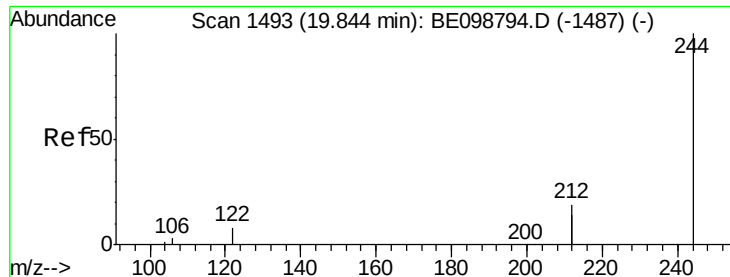


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.203 ng

RT: 19.85 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

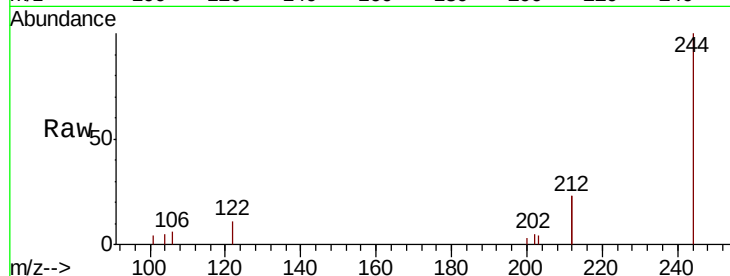
Tot Ion:244 Resp: 3209

Ion Ratio Lower Upper

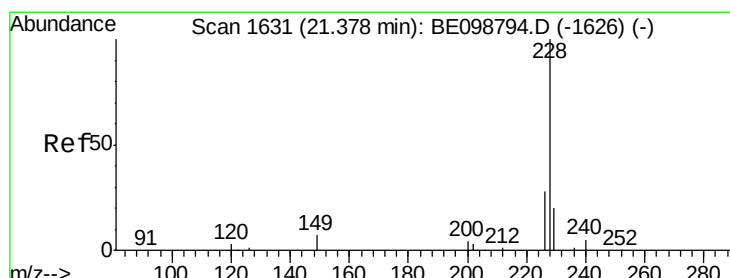
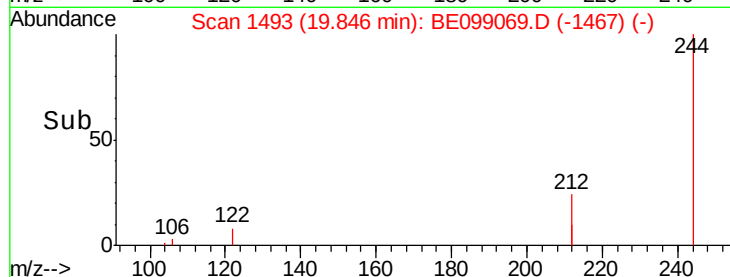
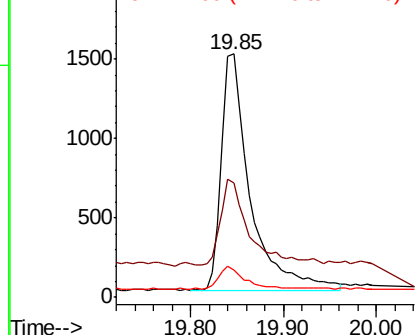
244 100

212 46.8 29.4 44.2#

122 11.3 7.1 10.7#



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: 0.196 ng

RT: 21.38 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

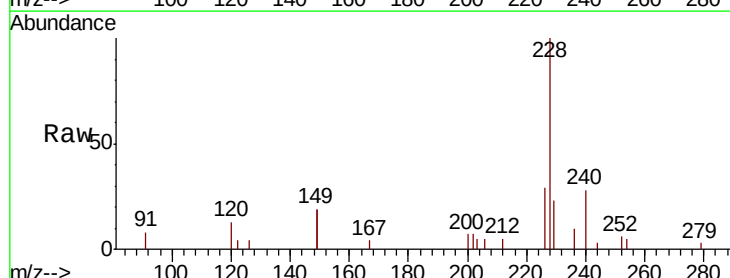
Tgt Ion:228 Resp: 3989

Ion Ratio Lower Upper

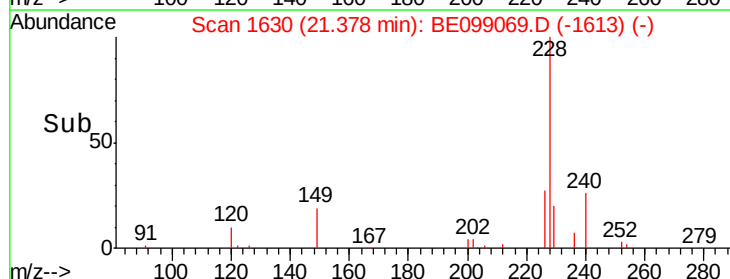
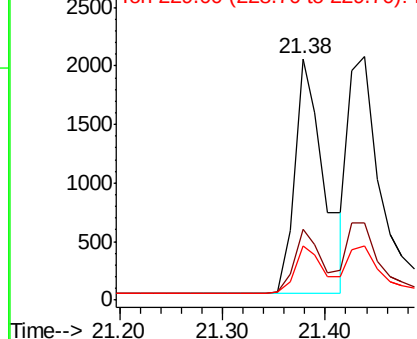
228 100

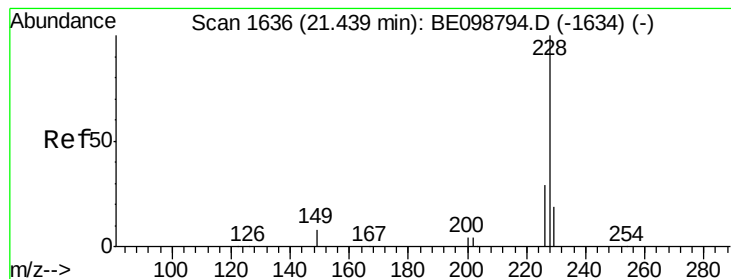
226 29.2 23.0 34.4

229 22.6 16.5 24.7



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: 0.188 ng

RT: 21.44 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

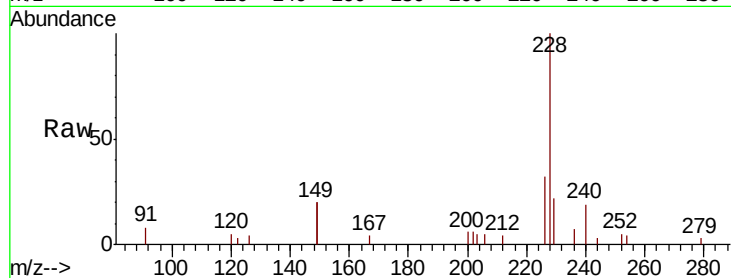
Tot Ion:228 Resp: 4101

Ion Ratio Lower Upper

228 100

226 31.9 23.7 35.5

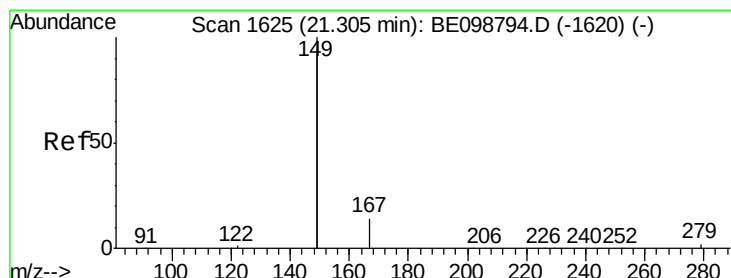
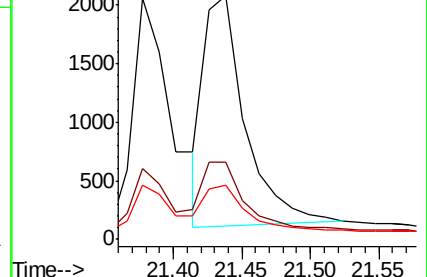
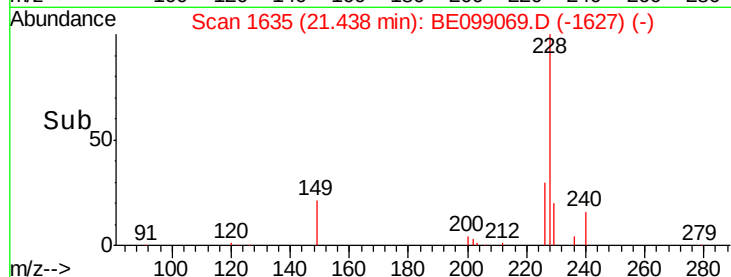
229 22.1 16.1 24.1



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: 0.208 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

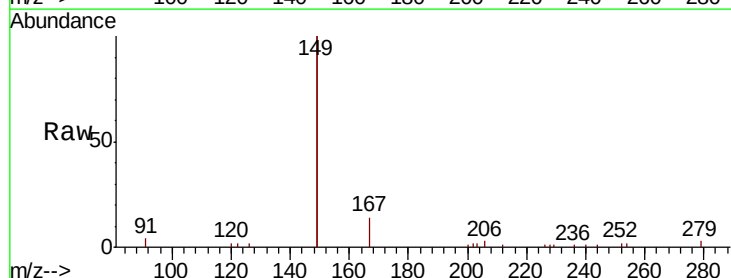
Tgt Ion:149 Resp: 8987

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

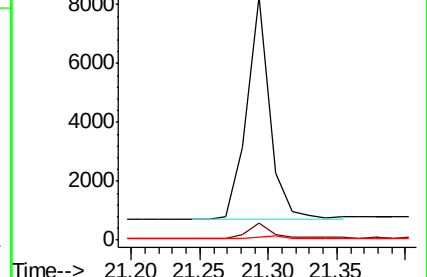
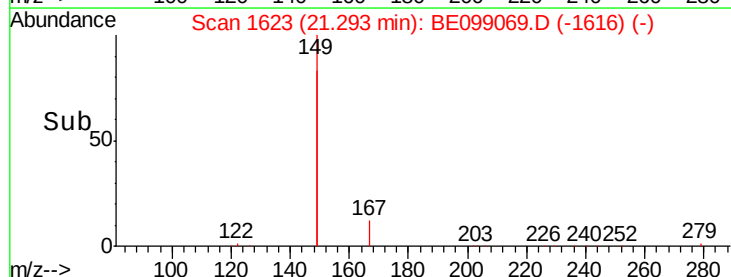
279 1.1 1.0 1.4

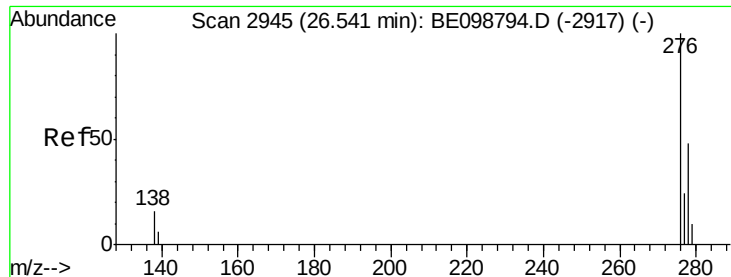


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

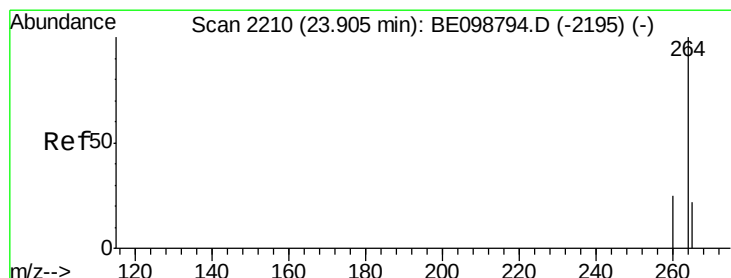
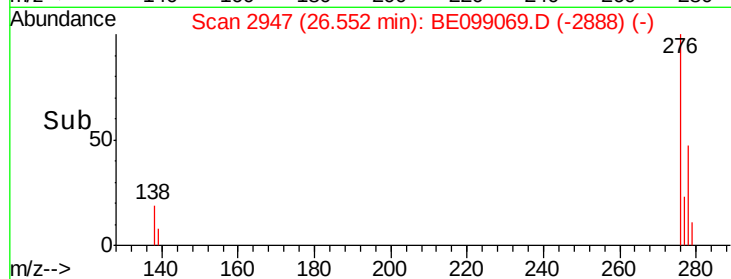
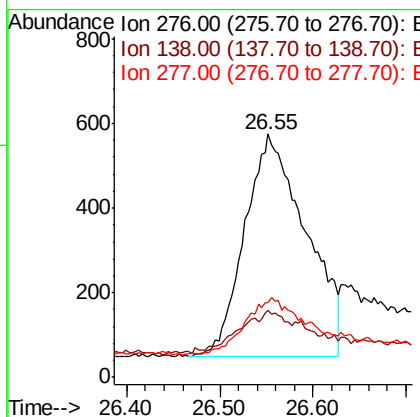
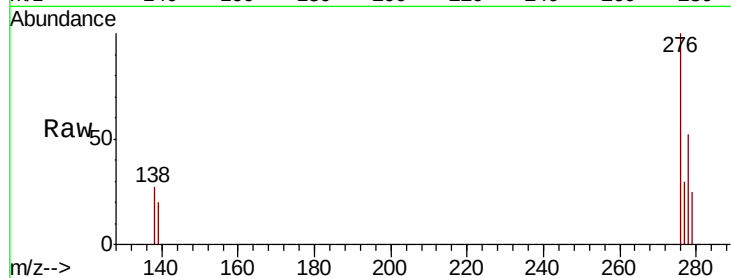




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.104 ng
RT: 26.55 min Scan# 2947
Delta R.T. 0.01 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

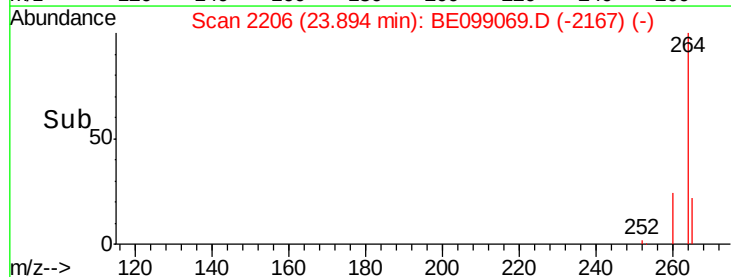
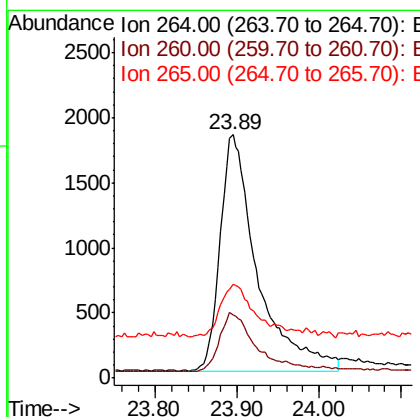
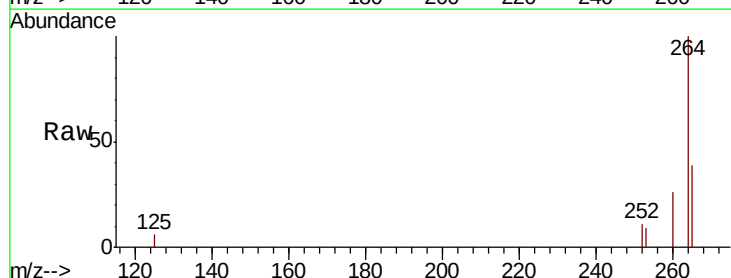
Instrument :
BNA_E
ClientSampleId :

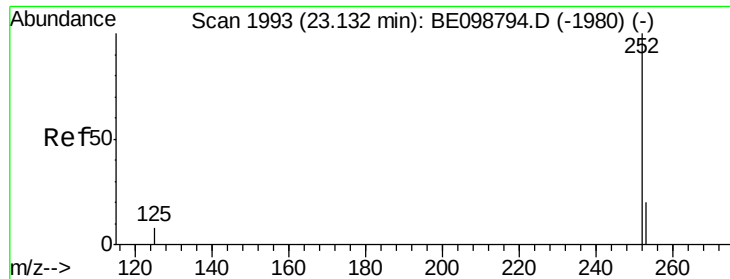
Tot Ion:276 Resp: 2401
Ion Ratio Lower Upper
276 100
138 2.0 13.8 20.8#
277 25.2 19.5 29.3



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Tgt Ion:264 Resp: 5741
Ion Ratio Lower Upper
264 100
260 25.7 21.2 31.8
265 38.8 24.6 36.8#





#35

Benzo(b)fluoranthene

Concen: 0.189 ng

RT: 23.14 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :

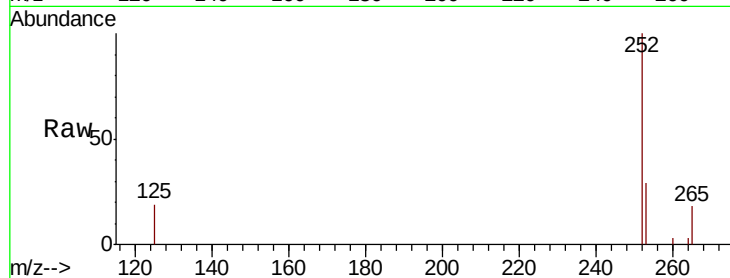
Tot Ion:252 Resp: 3575

Ion Ratio Lower Upper

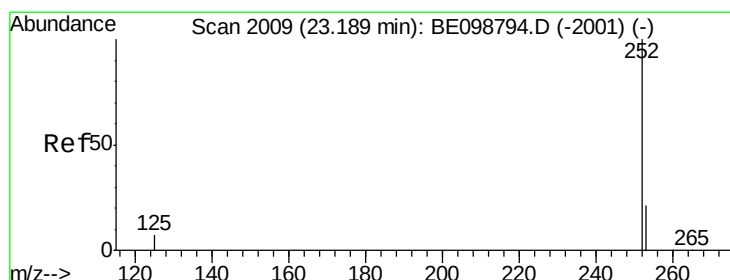
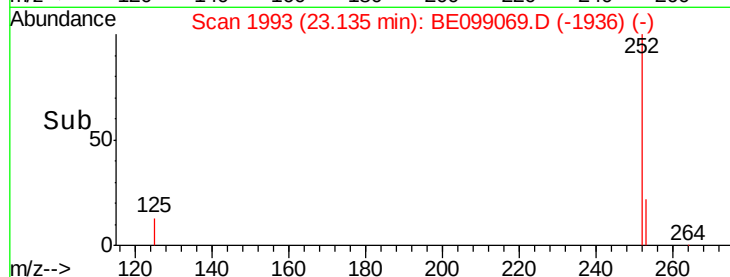
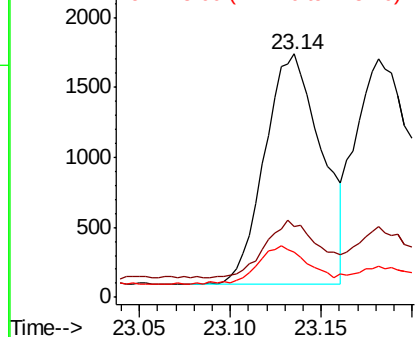
252 100

253 29.3 18.2 27.2#

125 18.7 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: 0.238 ng

RT: 23.18 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

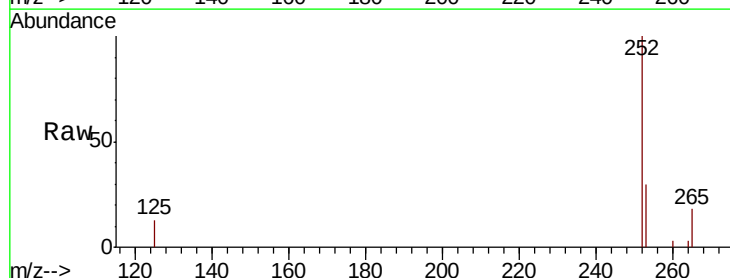
Tgt Ion:252 Resp: 4695

Ion Ratio Lower Upper

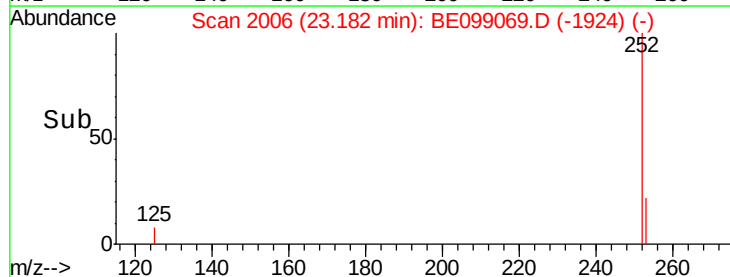
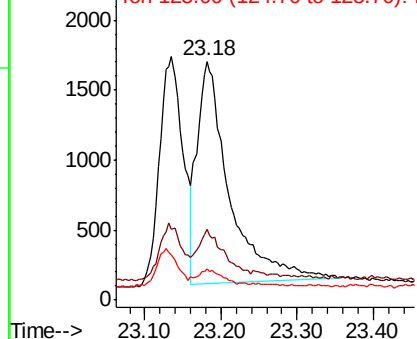
252 100

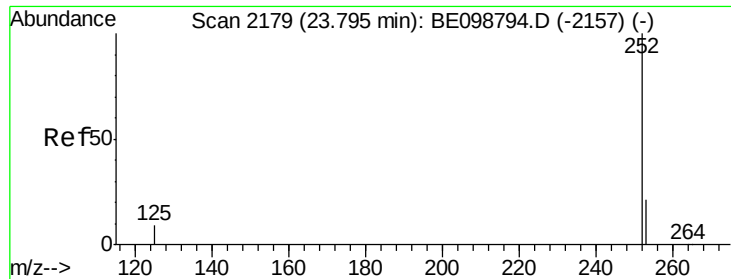
253 29.7 19.3 28.9#

125 13.1 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

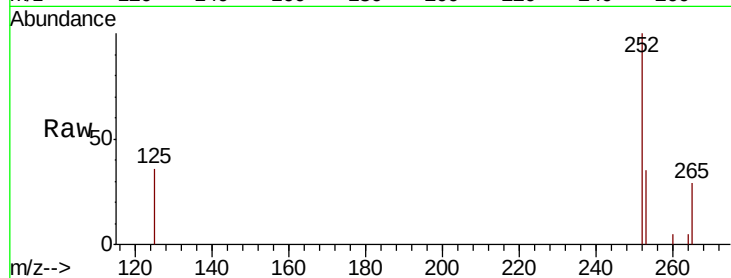




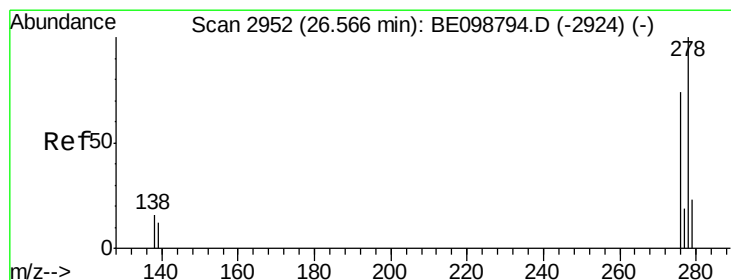
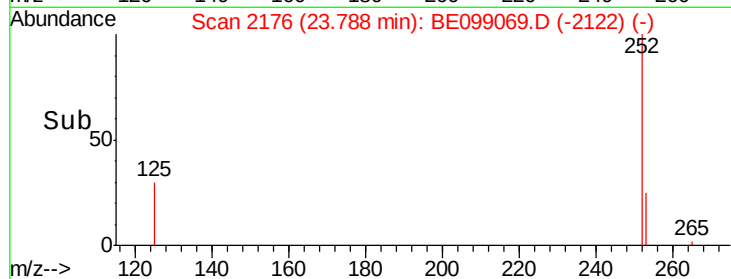
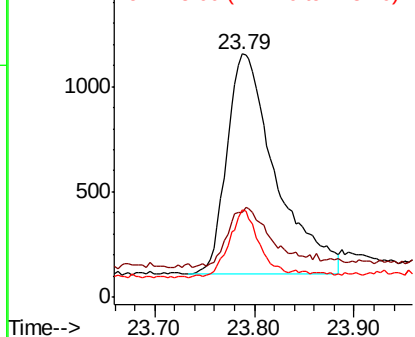
#37
Benzo(a)pyrene
Concen: 0.197 ng
RT: 23.79 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 3557
Ion Ratio Lower Upper
252 100
253 34.7 19.9 29.9#
125 36.0 9.0 13.4#

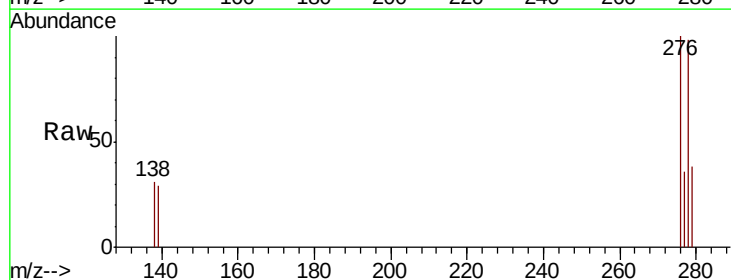


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

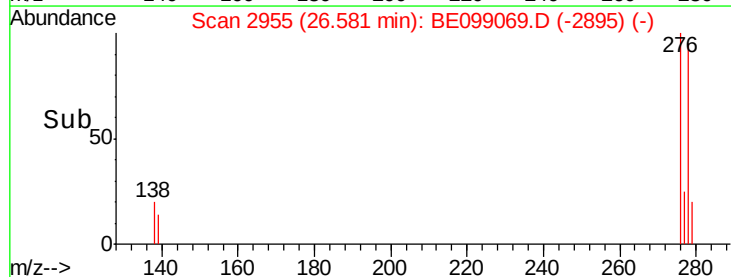
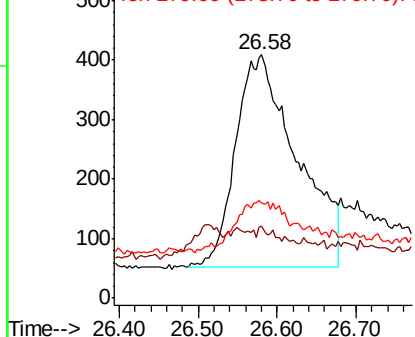


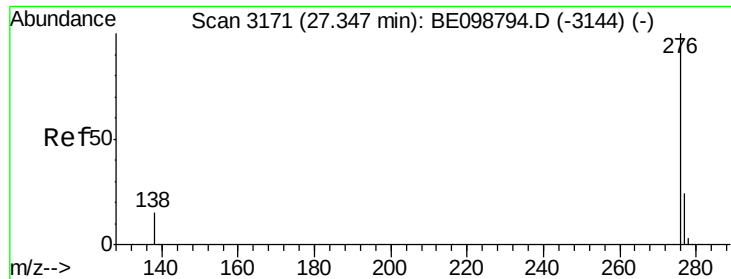
#38
Dibenzo(a,h)anthracene
Concen: 0.113 ng
RT: 26.58 min Scan# 2955
Delta R.T. 0.02 min
Lab File: BE099069.D
Acq: 20 Mar 2019 15:16

Tgt Ion:278 Resp: 1935
Ion Ratio Lower Upper
278 100
139 29.6 11.8 17.6#
279 39.4 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: 0.054 ng

RT: 27.34 min Scan# 3169

Delta R.T. -0.00 min

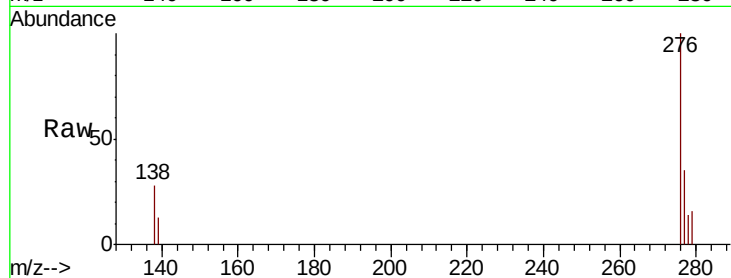
Lab File: BE099069.D

Acq: 20 Mar 2019 15:16

Instrument :

BNA_E

ClientSampleId :



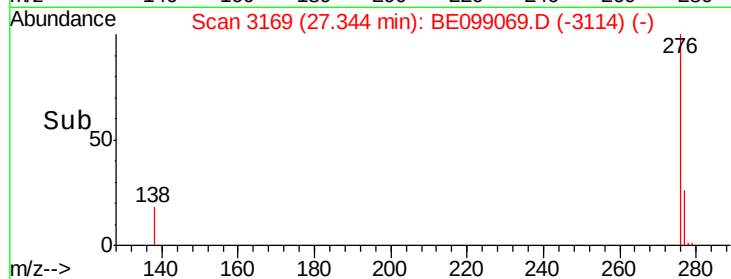
Tot Ion: 276 Resp: 974

Ion Ratio Lower Upper

276 100

277 34.6 20.4 30.6#

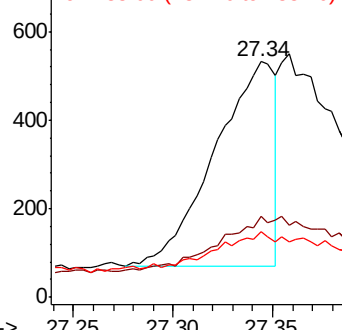
138 27.6 13.6 20.4#



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



Time-->