

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051419\
 Data File : BE099608.D
 Acq On : 14 May 2019 17:05
 Operator : JU/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 14 19:11:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1537	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5387	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3583	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10242	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15589	0.40	ng	0.00
34) Perylene-d12	23.96	264	17585	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	3626	0.86	ng	0.00
5) Phenol-d6	6.98	99	4566	0.83	ng	0.00
8) Nitrobenzene-d5	8.98	82	4349	0.86	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7682	0.85	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	2006	0.94	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11772	0.85	ng	0.00
25) Fluoranthene-d10	19.26	212	112903	0.84	ng	0.00
29) Terphenyl-d14	19.86	244	23211	0.84	ng	0.00

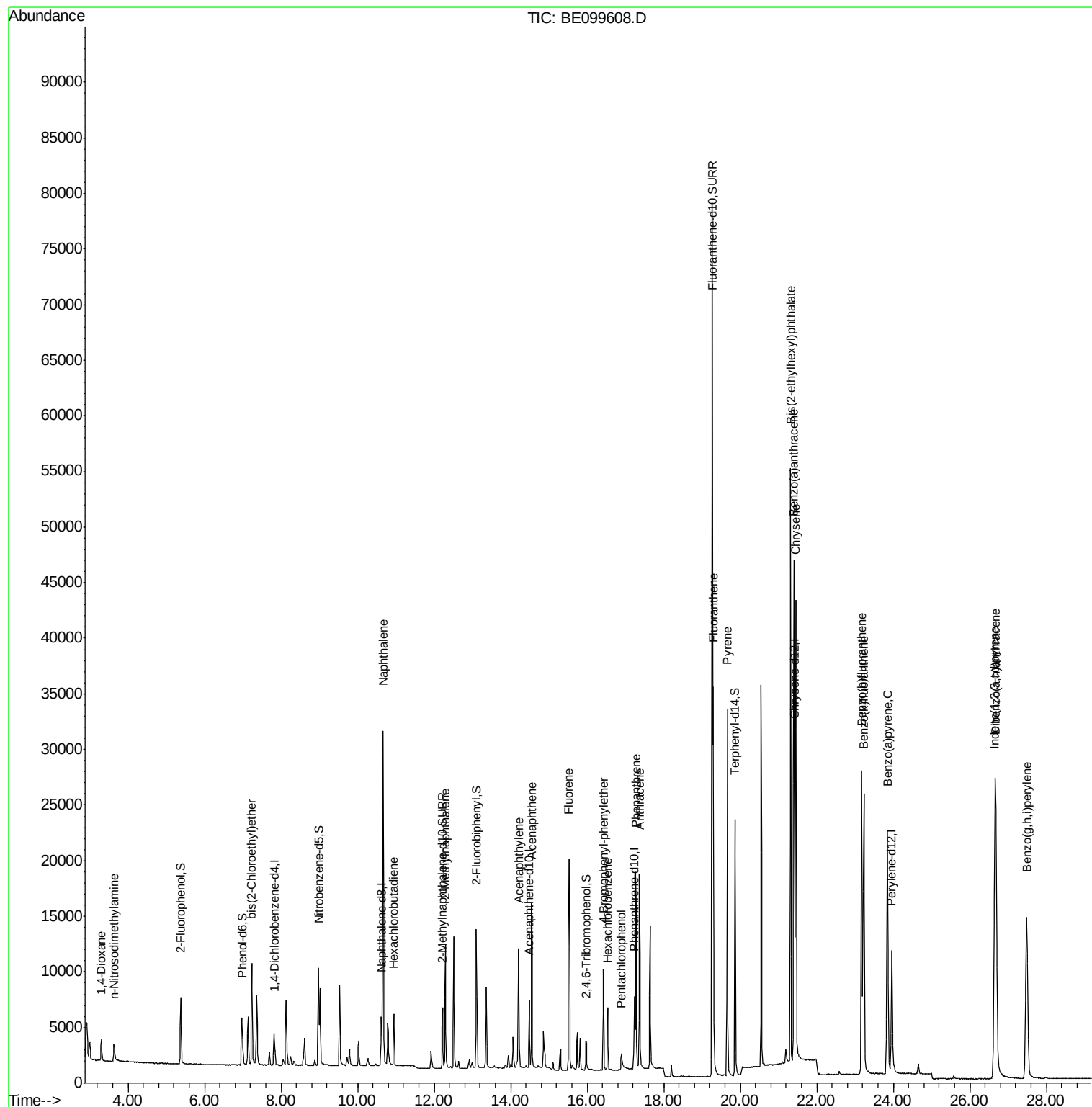
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	1739	0.803	ng	# 89
3) n-Nitrosodimethylamine	3.63	42	1168	0.871	ng	# 99
6) bis(2-Chloroethyl)ether	7.23	93	3924	0.855	ng	92
9) Naphthalene	10.67	128	47990	0.836	ng	99
10) Hexachlorobutadiene	10.94	225	3506	0.846	ng	99
12) 2-Methylnaphthalene	12.30	142	7889	0.841	ng	99
16) Acenaphthylene	14.21	152	14160	0.816	ng	99
17) Acenaphthene	14.54	154	8130	0.839	ng	99
18) Fluorene	15.53	166	11670	0.844	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	4969	0.850	ng	99
21) Hexachlorobenzene	16.53	284	4777	0.814	ng	97
22) Pentachlorophenol	16.89	266	1676	0.715	ng	91
23) Phenanthrene	17.27	178	21196	0.834	ng	99
24) Anthracene	17.36	178	19560	0.819	ng	99
26) Fluoranthene	19.30	202	31898	0.834	ng	99
28) Pyrene	19.66	202	32924	0.801	ng	100
30) Benzo(a)anthracene	21.40	228	39366	0.827	ng	99
31) Chrysene	21.45	228	40427	0.850	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	55803	0.816	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	49978	0.842	ng	99
35) Benzo(b)fluoranthene	23.18	252	40159	0.827	ng	# 96
36) Benzo(k)fluoranthene	23.23	252	40581	0.840	ng	97
37) Benzo(a)pyrene	23.85	252	39146	0.832	ng	# 95
38) Dibenzo(a,h)anthracene	26.68	278	40982	0.833	ng	99
39) Benzo(g,h,i)perylene	27.48	276	41089	0.825	ng	99

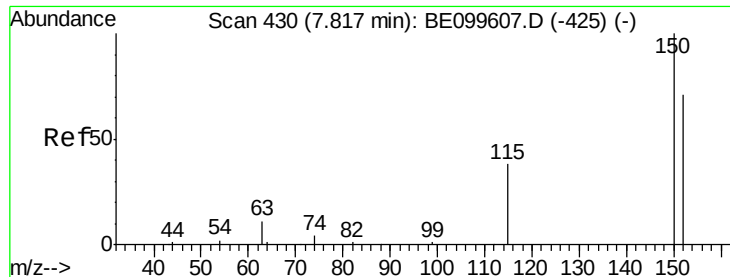
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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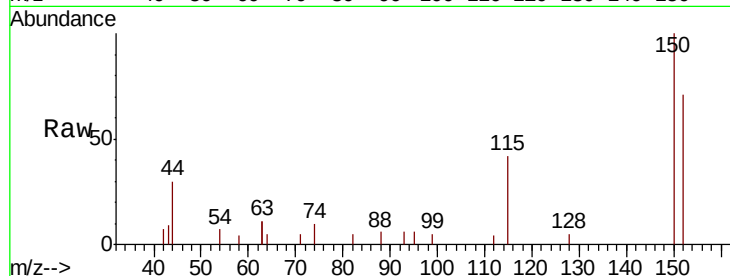


#1

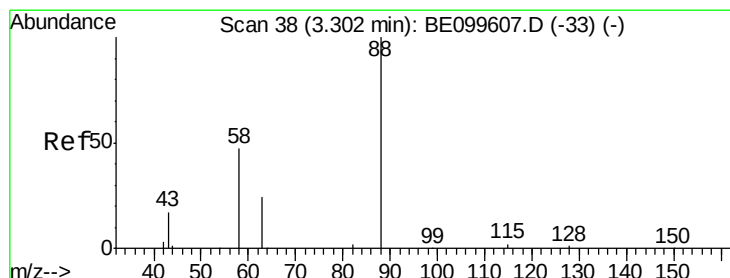
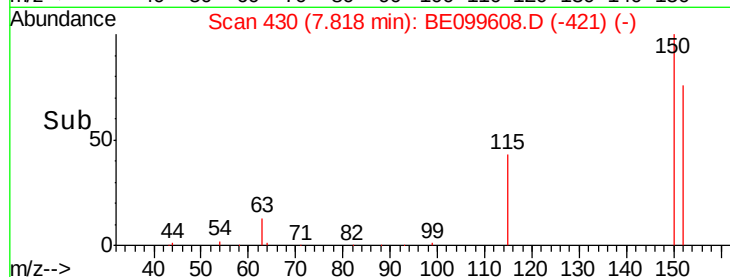
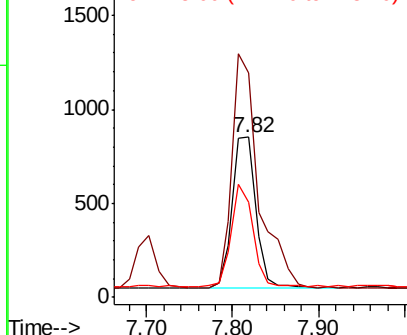
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1537
Ion Ratio Lower Upper
152 100
150 140.1 110.1 165.1
115 59.5 46.2 69.4



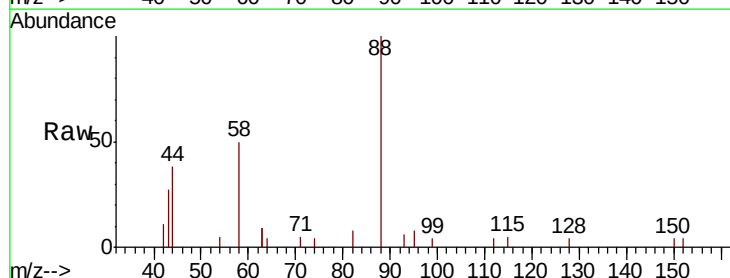
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



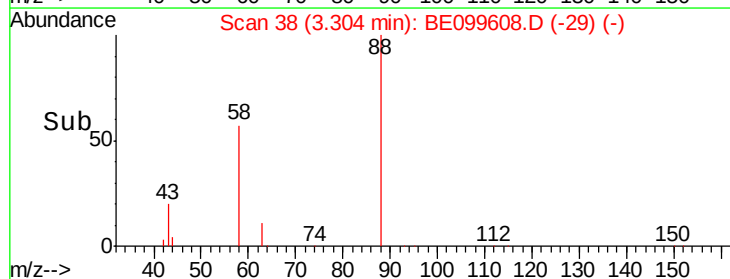
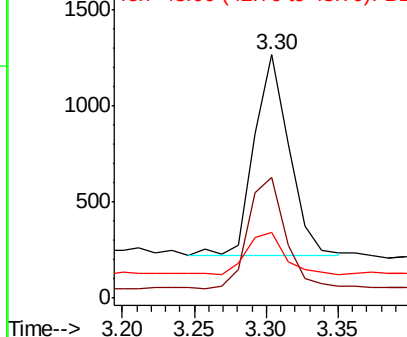
#2

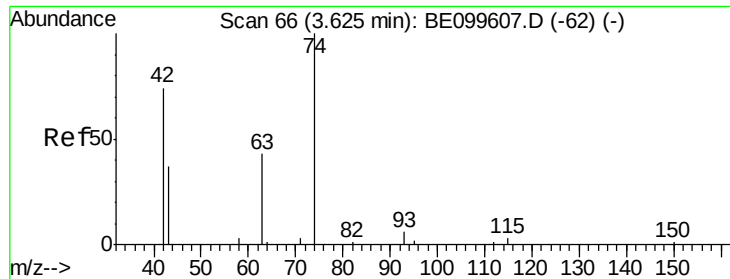
1,4-Dioxane
Concen: 0.803 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion: 88 Resp: 1739
Ion Ratio Lower Upper
88 100
58 59.7 39.8 59.6#
43 23.6 21.0 31.6



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: 0.871 ng

RT: 3.63 min Scan# 66

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

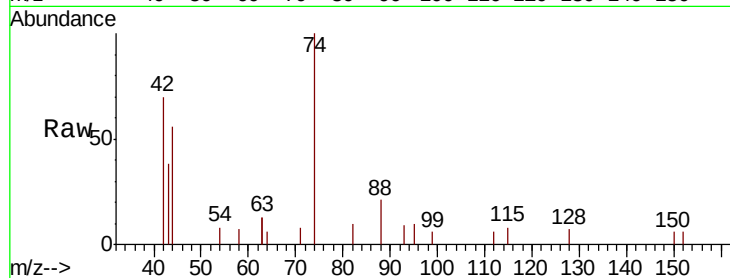
Tot Ion: 42 Resp: 1168

Ion Ratio Lower Upper

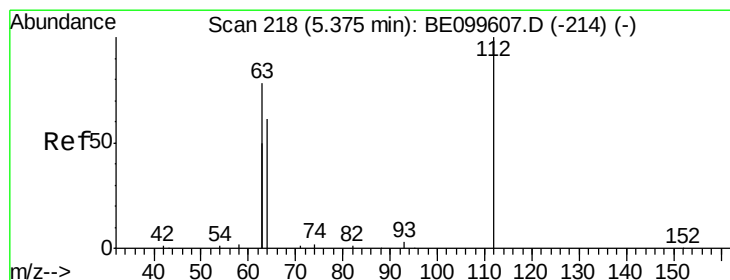
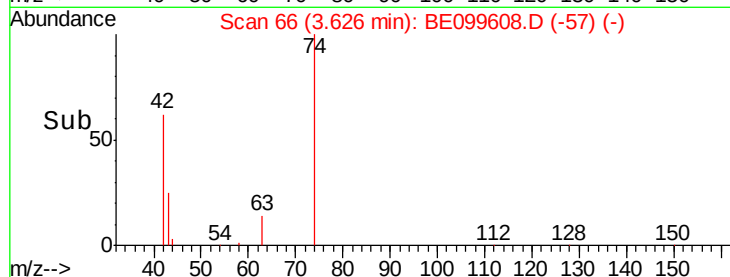
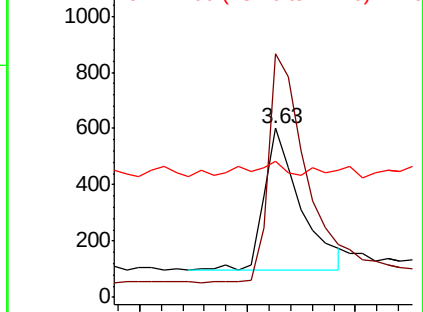
42 100

74 169.3 134.7 202.1

44 11.0 12.5 18.7#



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: 0.862 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

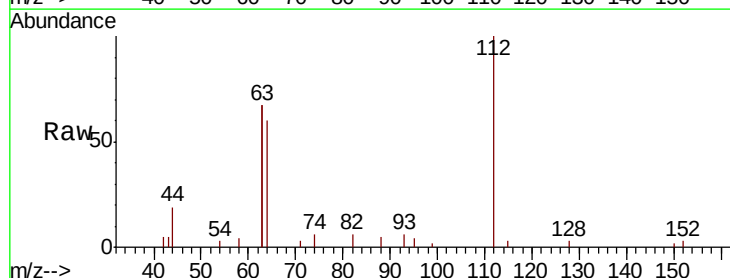
Tgt Ion: 112 Resp: 3626

Ion Ratio Lower Upper

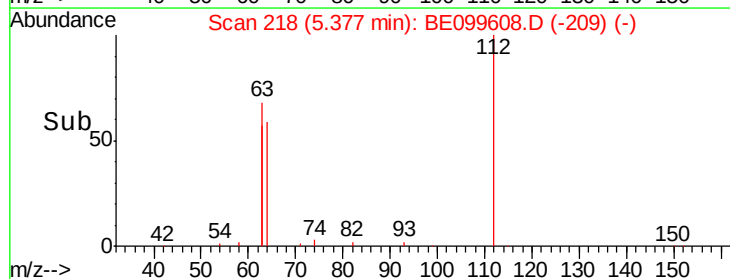
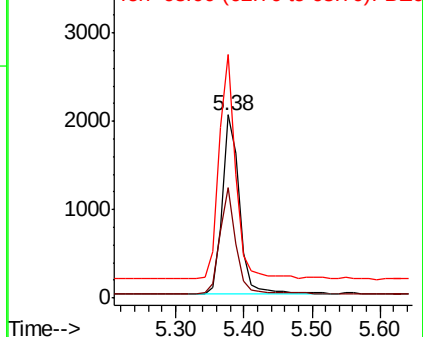
112 100

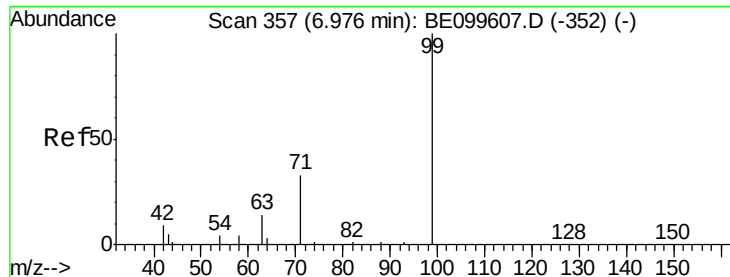
64 55.9 43.7 65.5

63 120.7 94.0 141.0



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: 0.827 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

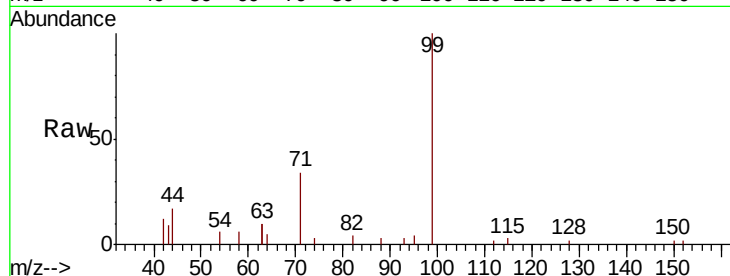
Tot Ion: 99 Resp: 4566

Ion Ratio Lower Upper

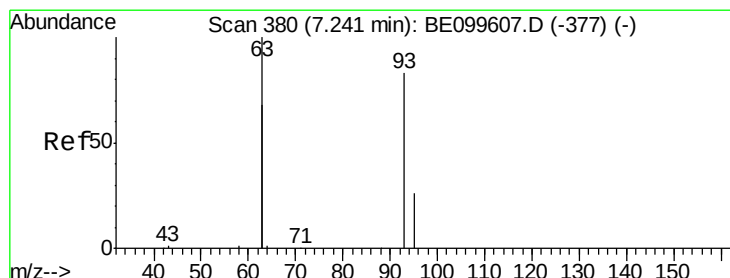
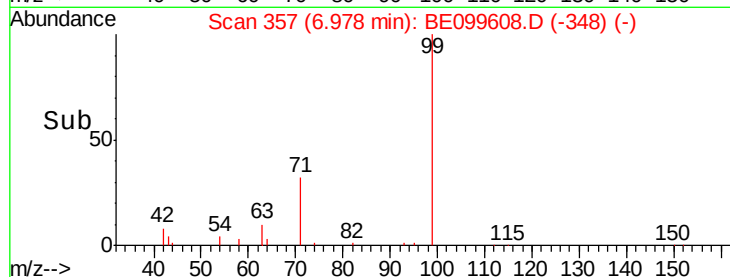
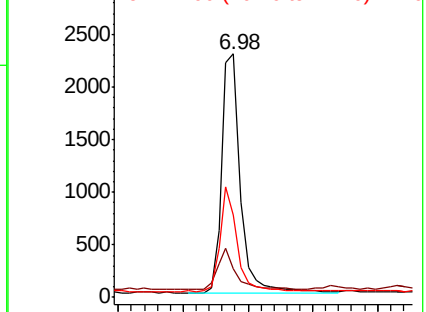
99 100

42 15.8 14.3 21.5

71 40.9 33.1 49.7



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.855 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

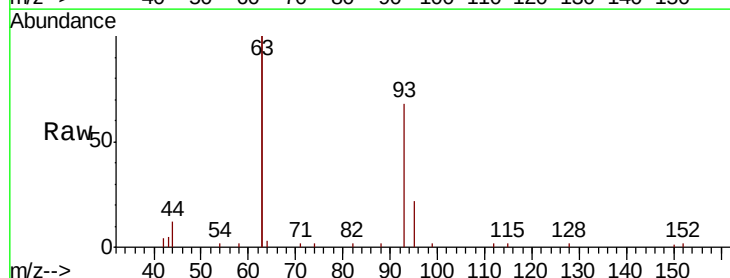
Tgt Ion: 93 Resp: 3924

Ion Ratio Lower Upper

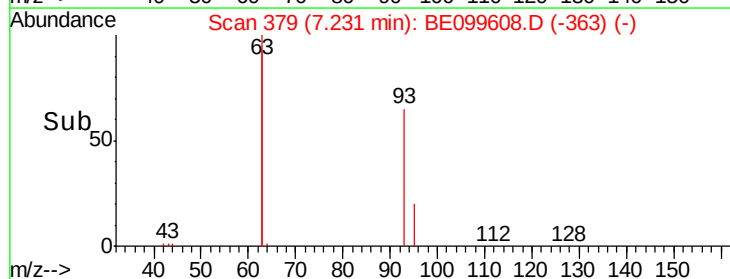
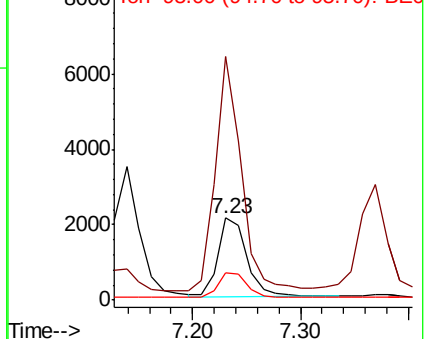
93 100

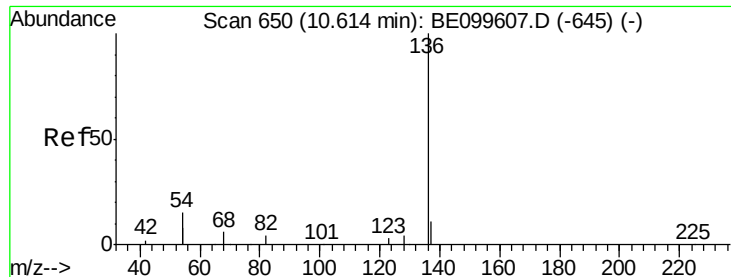
63 266.5 201.0 301.4

95 32.0 25.0 37.4



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5387

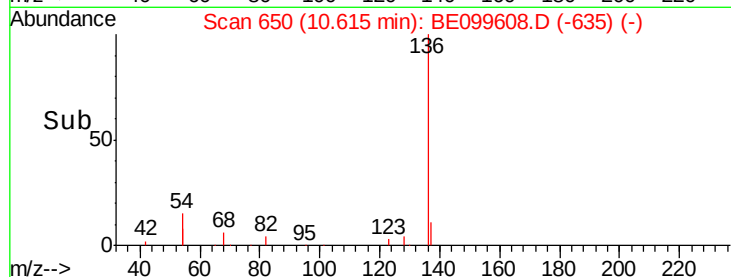
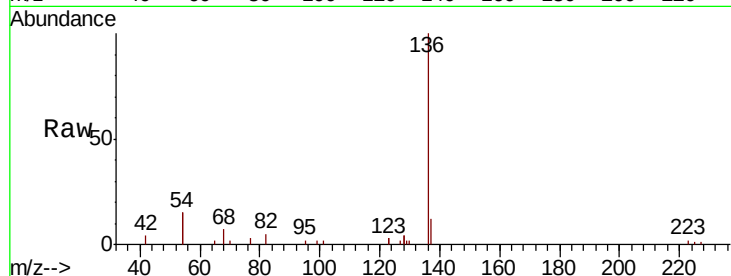
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 30.1 23.8 35.8

68 7.3 6.2 9.2

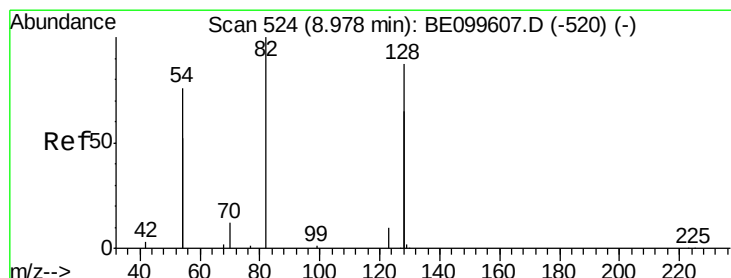
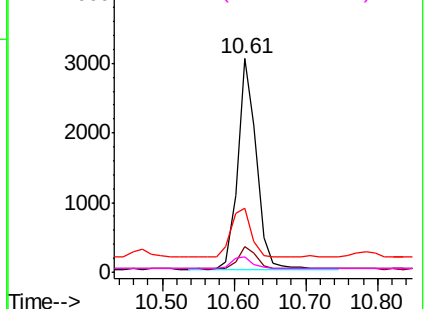


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.860 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

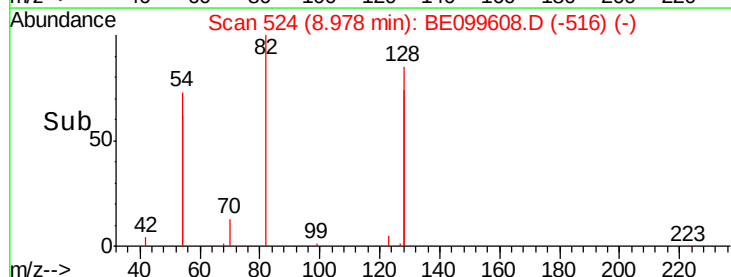
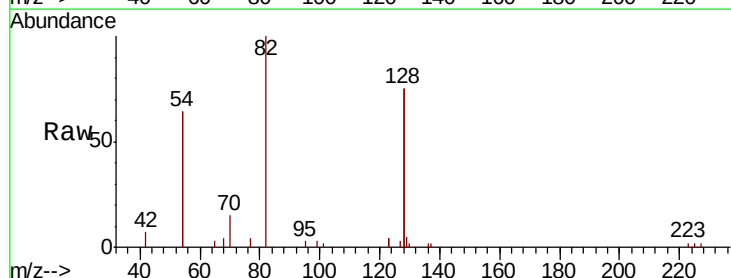
Tgt Ion: 82 Resp: 4349

Ion Ratio Lower Upper

82 100

128 150.1 131.4 197.2

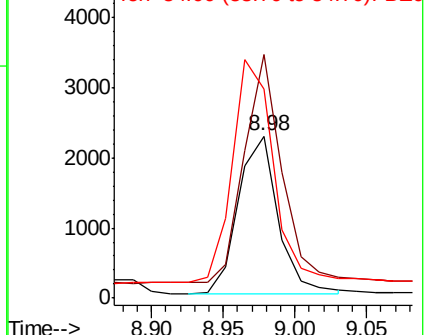
54 128.8 113.9 170.9

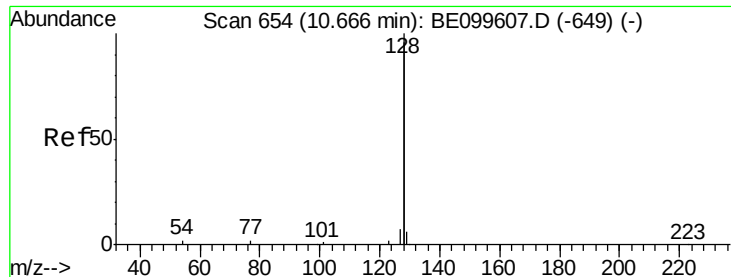


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.836 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

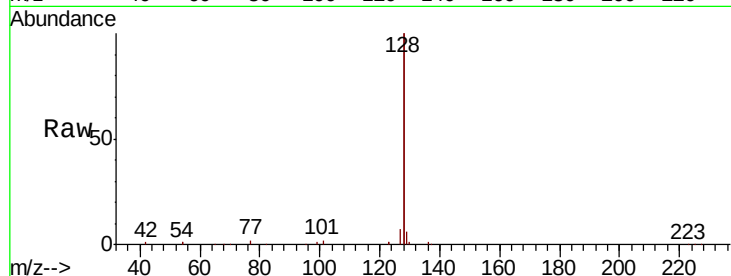
Tot Ion:128 Resp: 47990

Ion Ratio Lower Upper

128 100

129 2.9 2.6 4.0

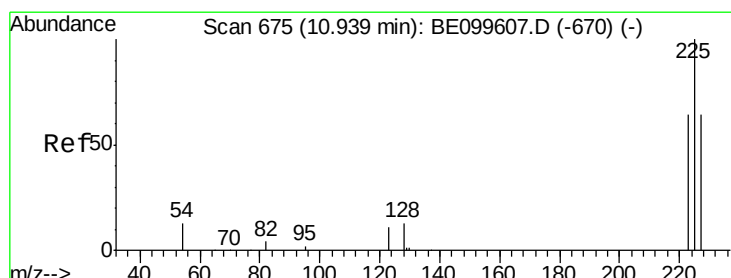
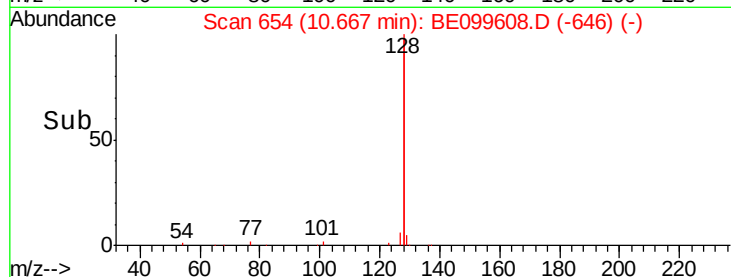
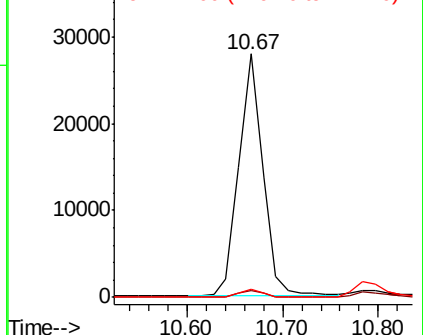
127 3.3 3.0 4.6



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: 0.846 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

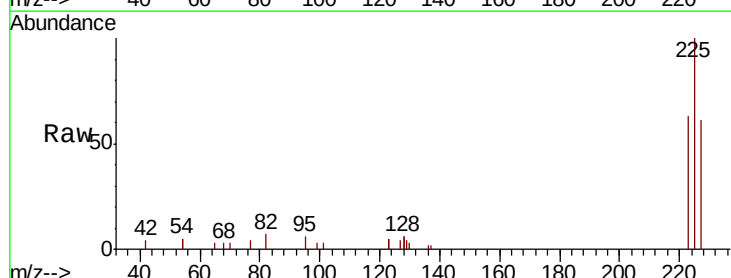
Tgt Ion:225 Resp: 3506

Ion Ratio Lower Upper

225 100

223 60.7 49.8 74.8

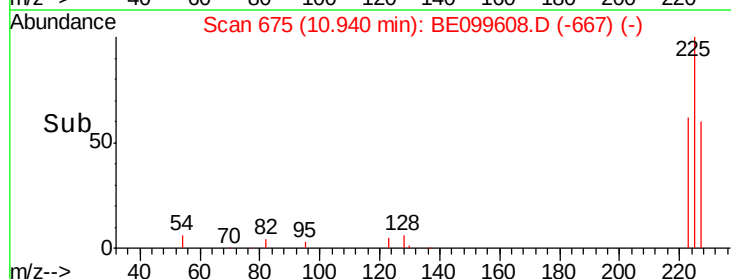
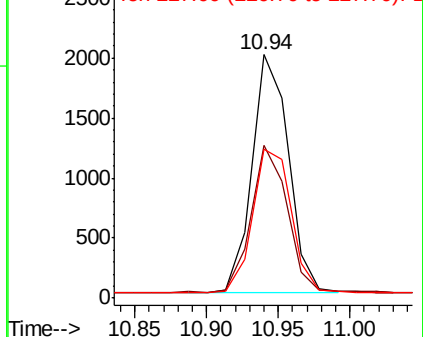
227 64.3 51.2 76.8

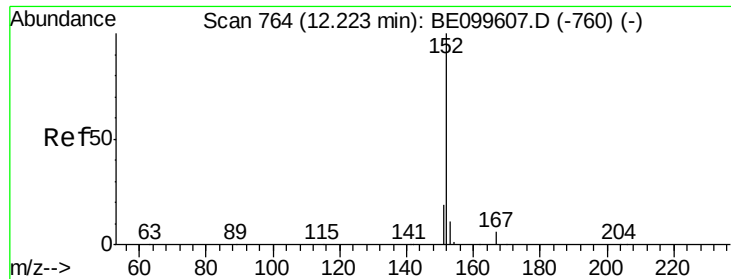


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

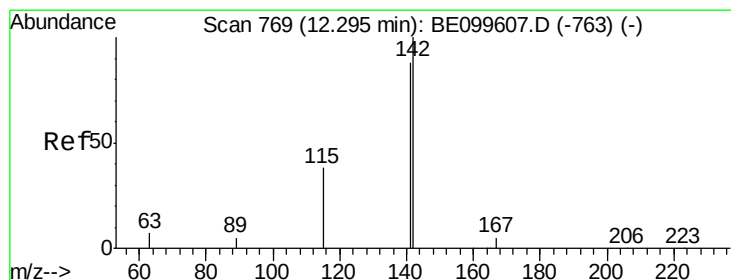
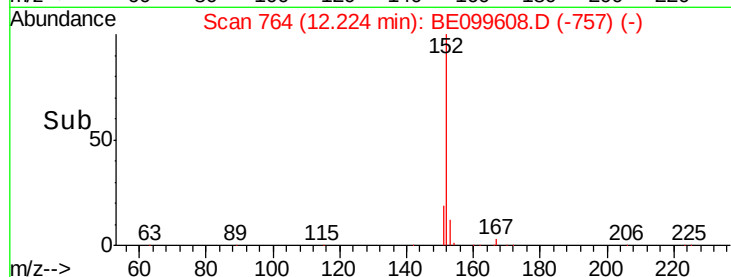
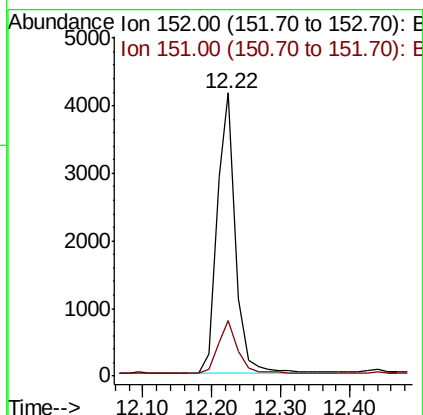
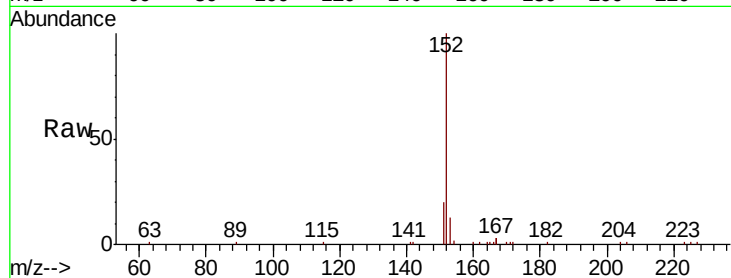




#11
 2-Methylnaphthalene-d10
 Concen: 0.852 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099608.D
 Acq: 14 May 2019 17:05

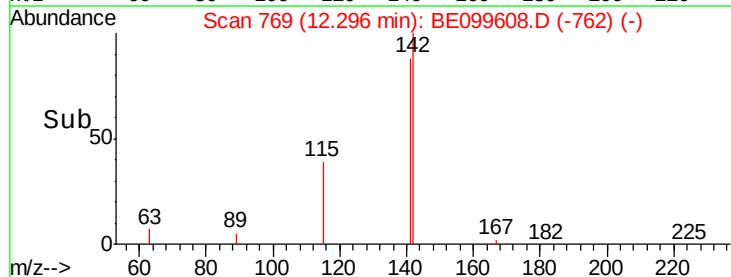
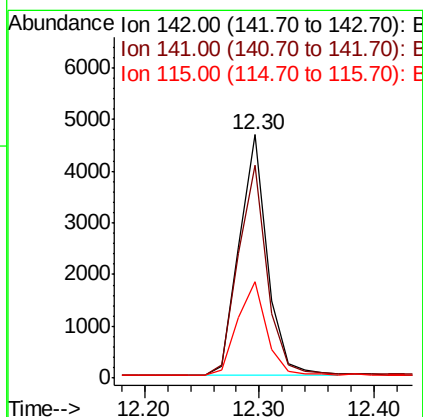
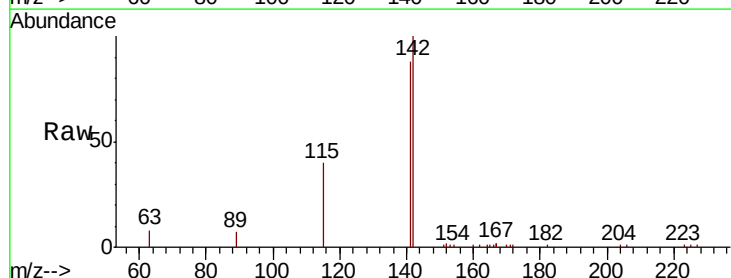
Instrument :
 BNA_E
 ClientSampleId :

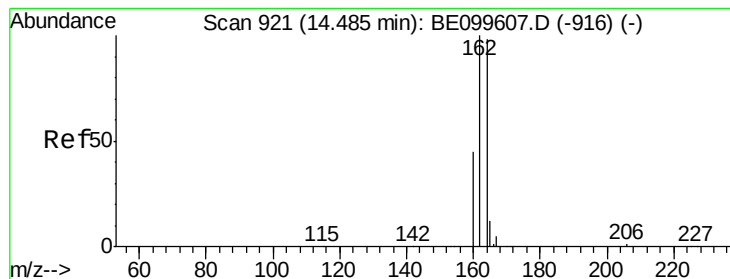
Tot Ion:152 Resp: 7682
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.841 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099608.D
 Acq: 14 May 2019 17:05

Tgt Ion:142 Resp: 7889
 Ion Ratio Lower Upper
 142 100
 141 87.7 70.4 105.6
 115 39.8 32.2 48.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

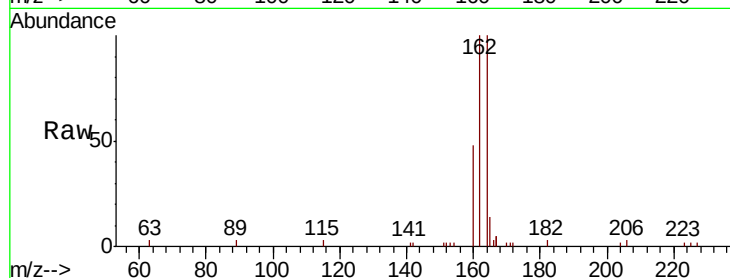
Tot Ion:164 Resp: 3583

Ion Ratio Lower Upper

164 100

162 99.7 81.4 122.0

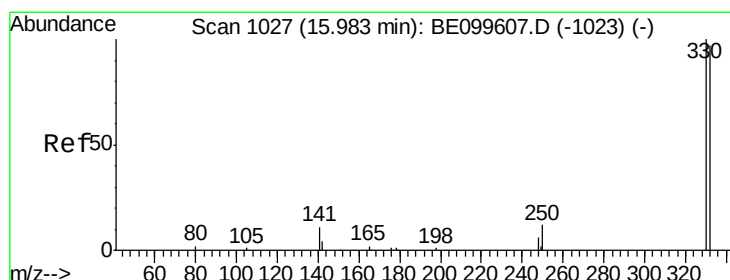
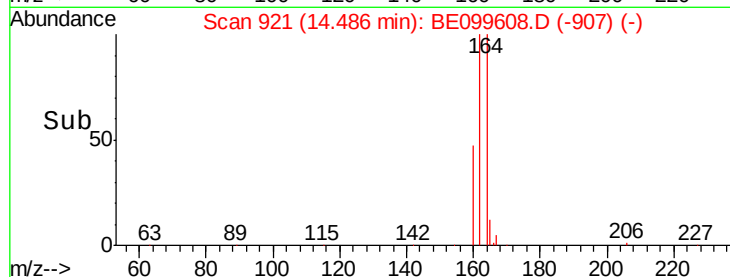
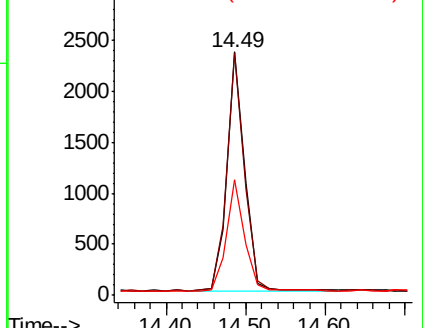
160 47.6 37.4 56.2



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: 0.944 ng

RT: 15.98 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

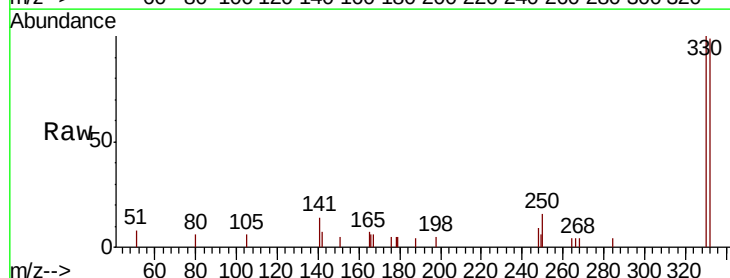
Tgt Ion:330 Resp: 2006

Ion Ratio Lower Upper

330 100

332 98.3 73.8 110.8

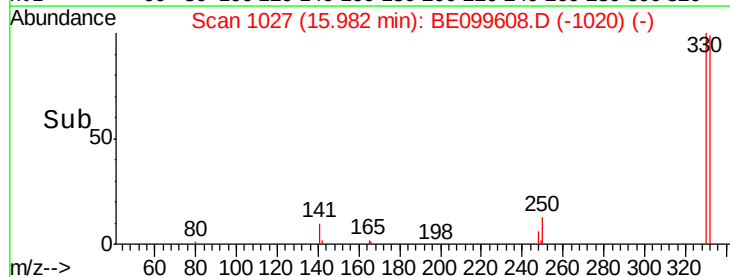
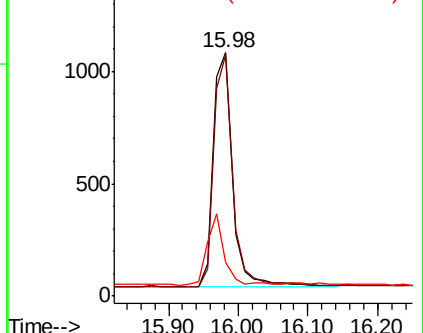
141 27.3 21.0 31.6

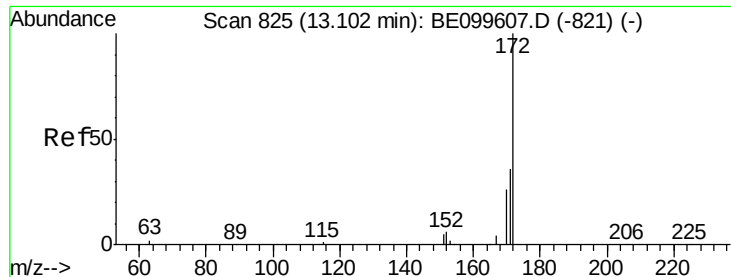


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

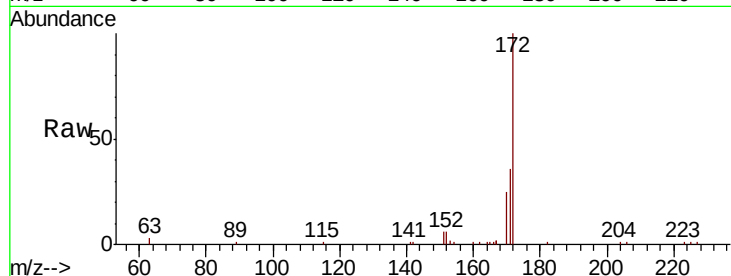




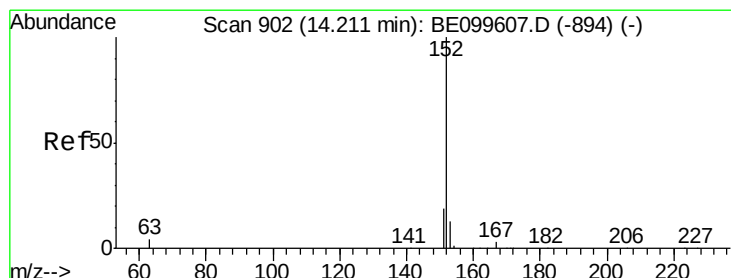
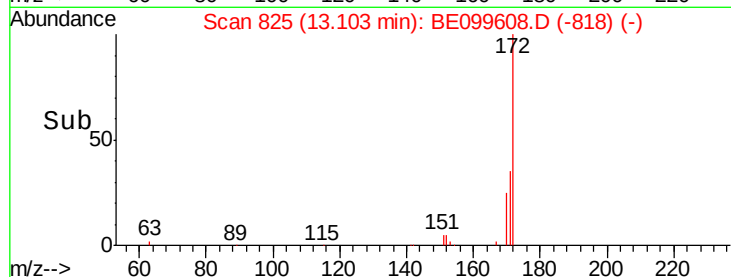
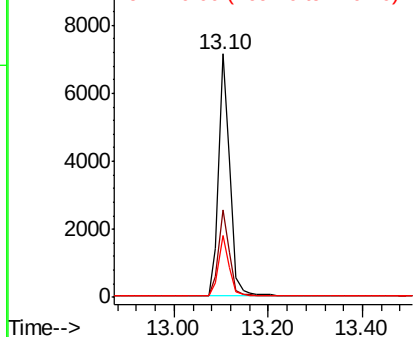
#15
2-Fluorobiphenyl
Concen: 0.848 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 11772
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.2
170 25.3 21.5 32.3

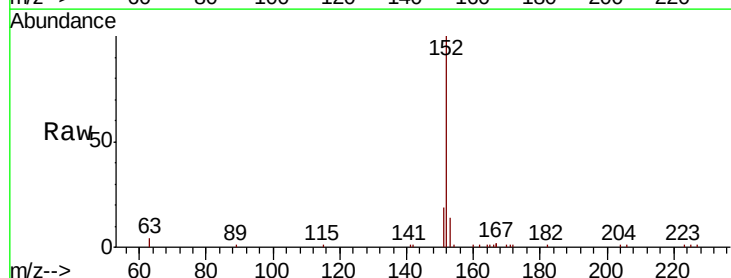


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

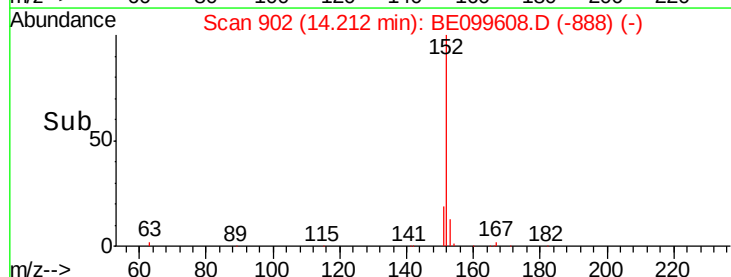
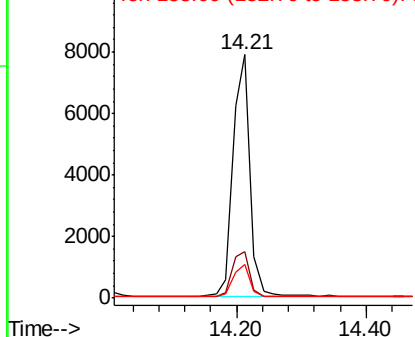


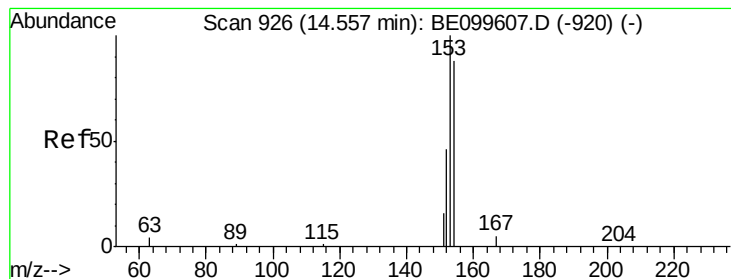
#16
Acenaphthylene
Concen: 0.816 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:152 Resp: 14160
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.4 10.4 15.6



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: 0.839 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

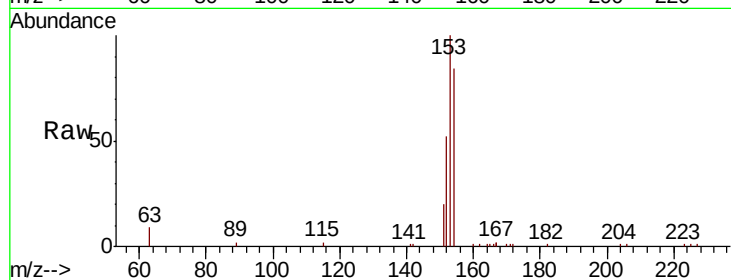
Tot Ion:154 Resp: 8130

Ion Ratio Lower Upper

154 100

153 115.8 94.1 141.1

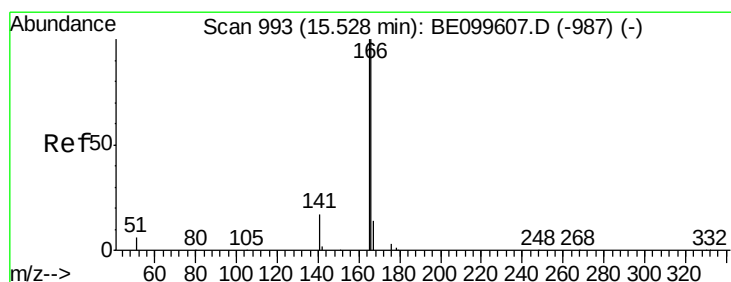
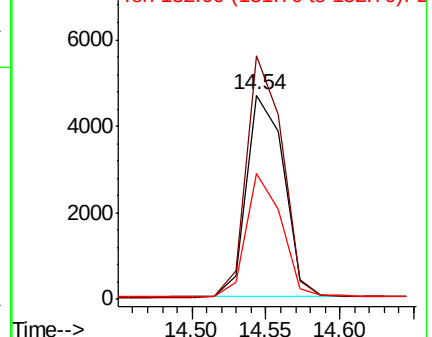
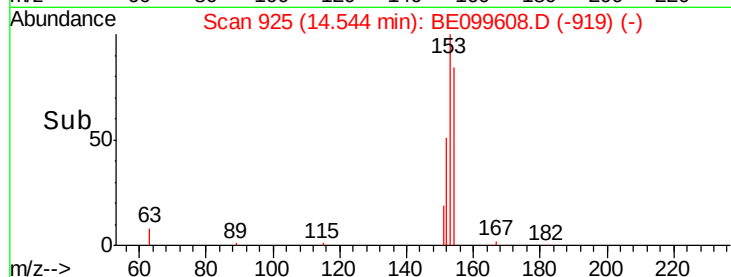
152 58.3 46.5 69.7



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: 0.844 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

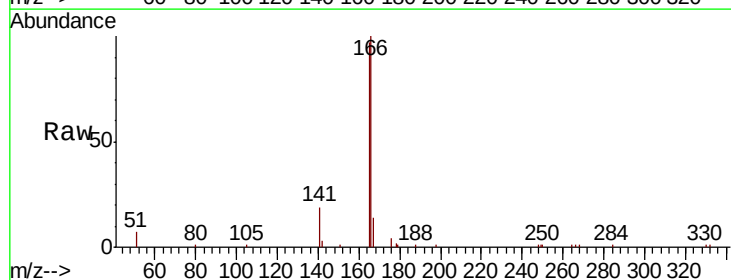
Tgt Ion:166 Resp: 11670

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

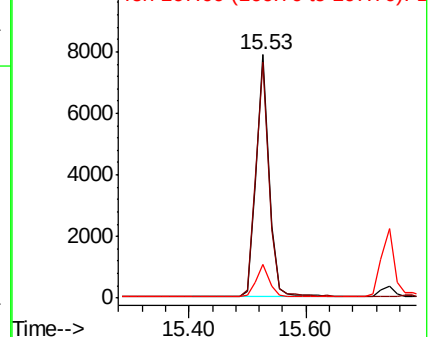
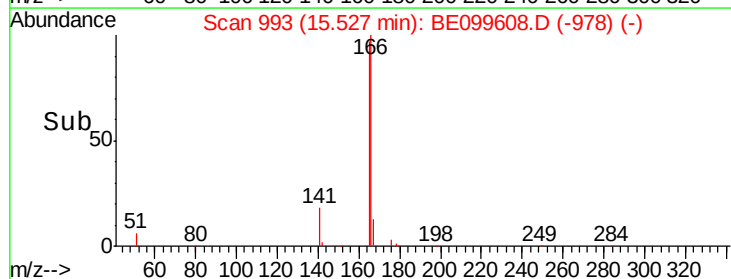
167 13.5 11.2 16.8

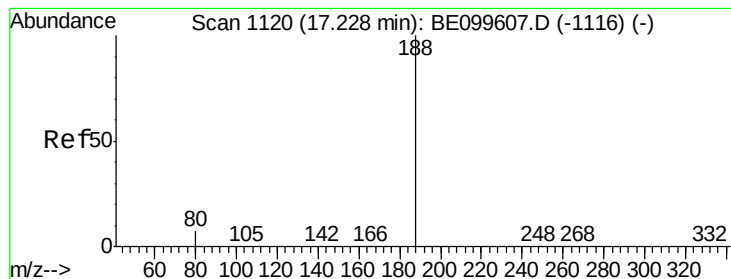


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

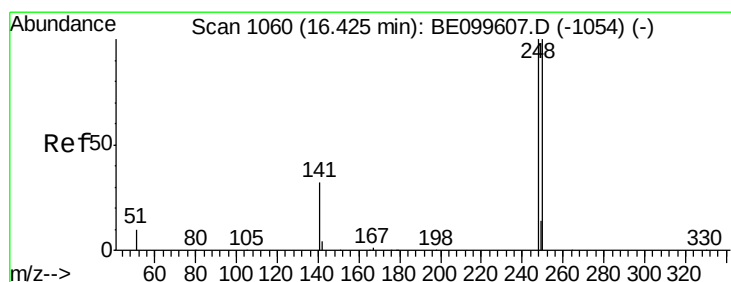
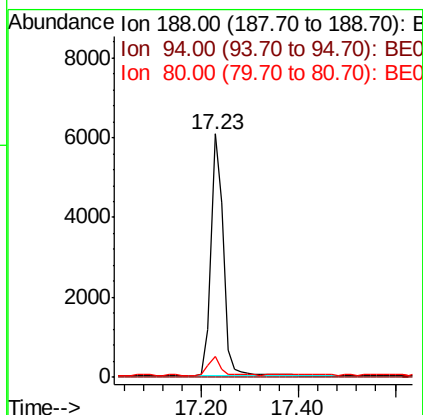
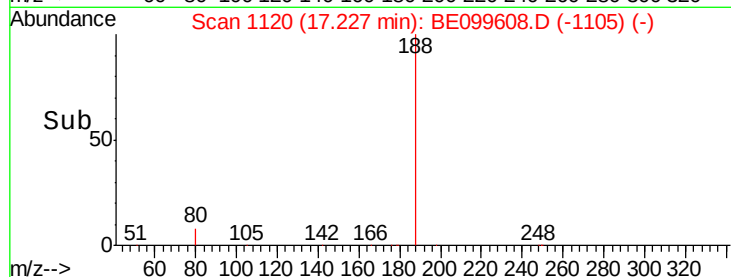
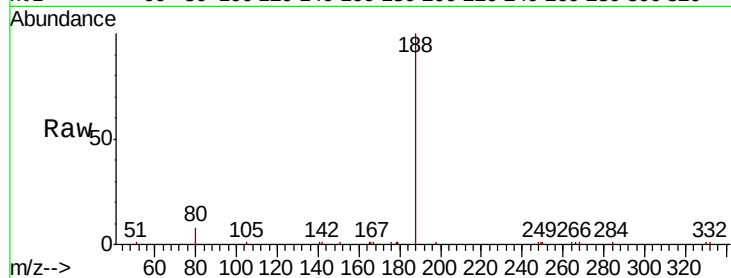
Tot Ion:188 Resp: 10242

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.4 6.4 9.6



#20

4-Bromophenyl-phenylether

Concen: 0.850 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

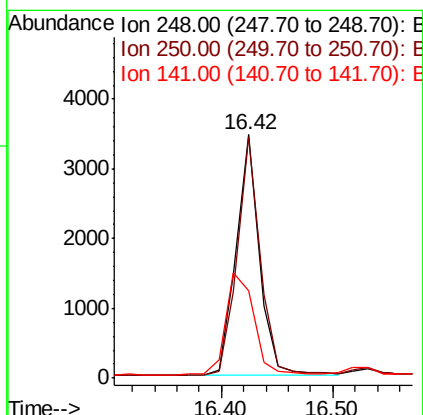
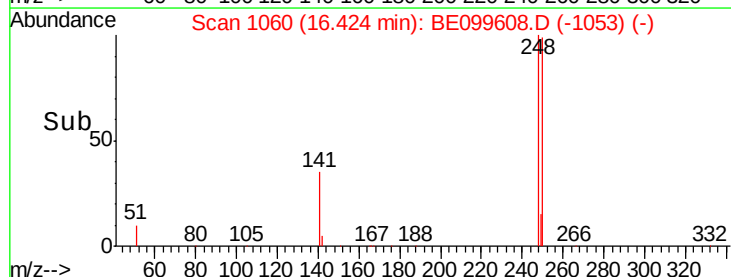
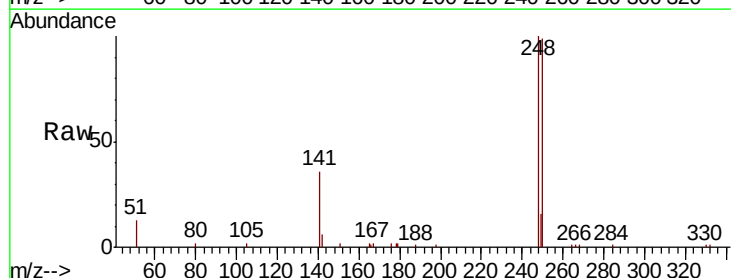
Tgt Ion:248 Resp: 4969

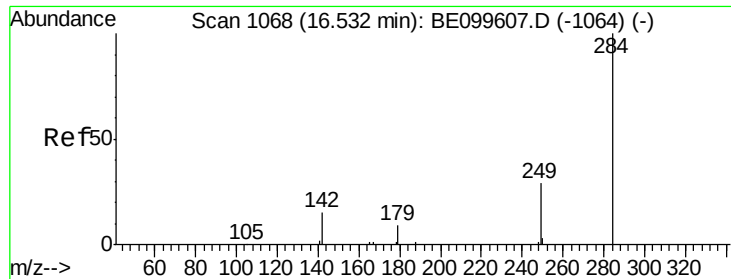
Ion Ratio Lower Upper

248 100

250 99.1 80.4 120.6

141 35.7 27.8 41.8





#21

Hexachlorobenzene

Concen: 0.814 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

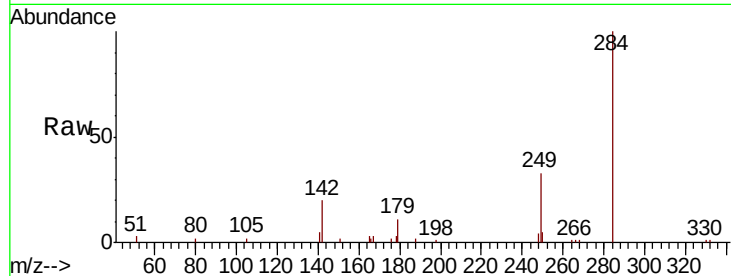
Tot Ion:284 Resp: 4777

Ion Ratio Lower Upper

284 100

142 25.8 19.4 29.2

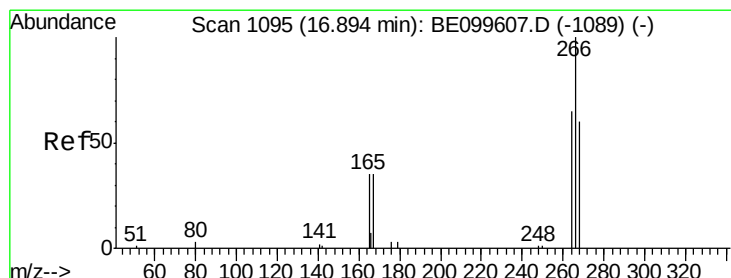
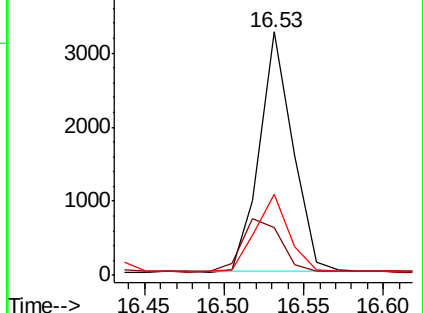
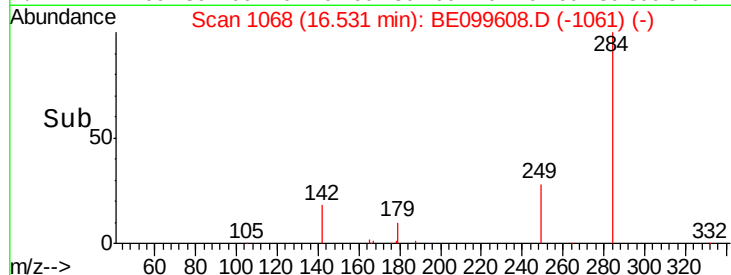
249 32.4 24.6 37.0



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: 0.715 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

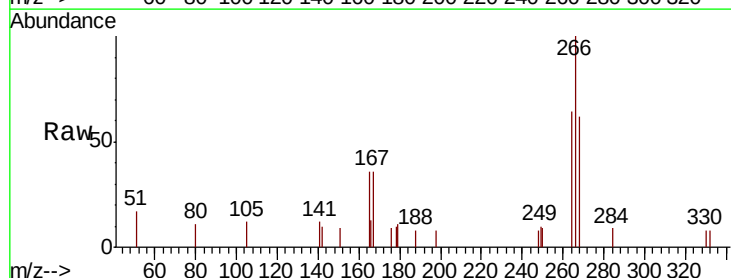
Tgt Ion:266 Resp: 1676

Ion Ratio Lower Upper

266 100

264 64.4 57.7 86.5

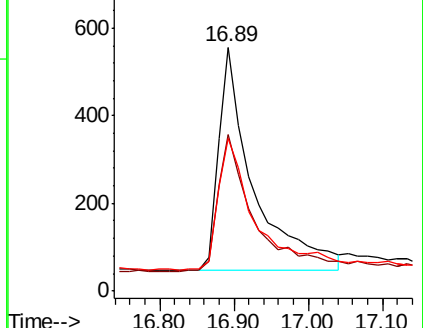
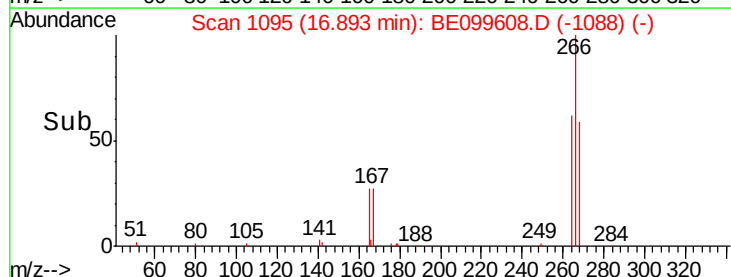
268 62.4 55.8 83.8

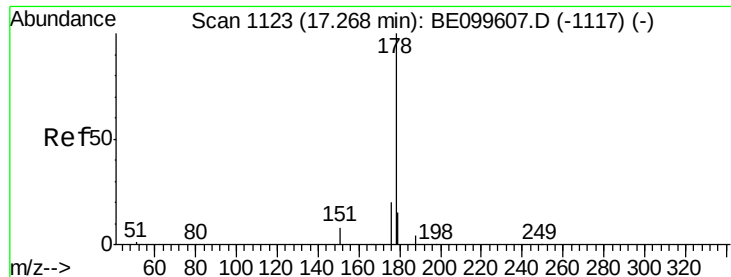


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.834 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

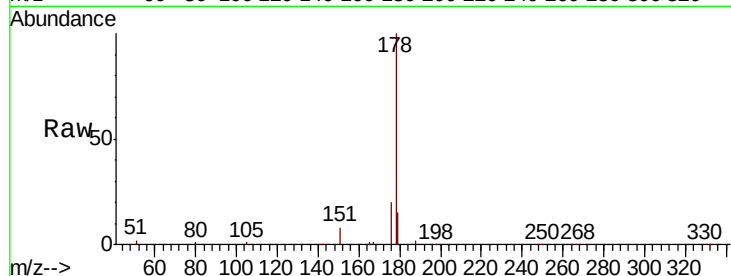
Tot Ion:178 Resp: 21196

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

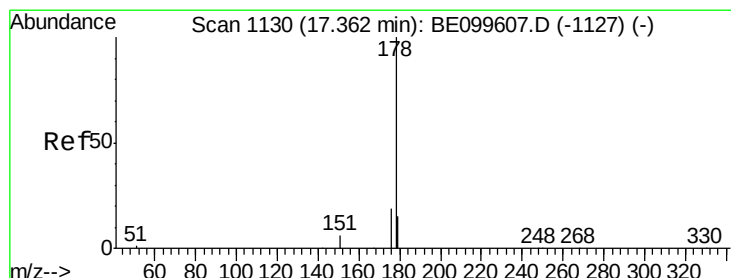
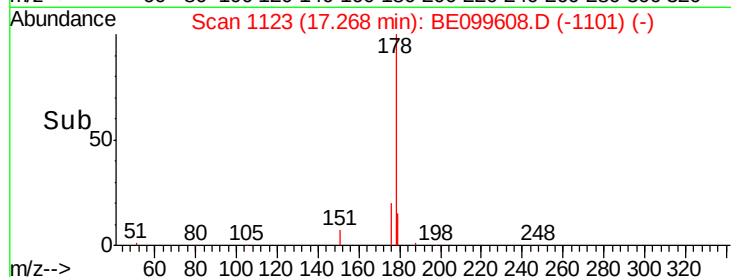
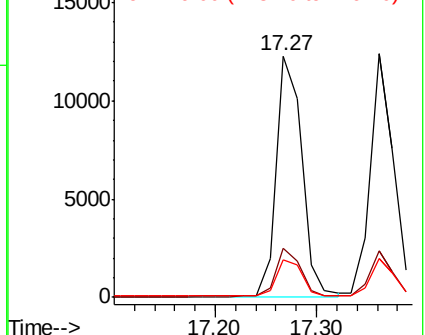
179 15.2 12.2 18.2



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: 0.819 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

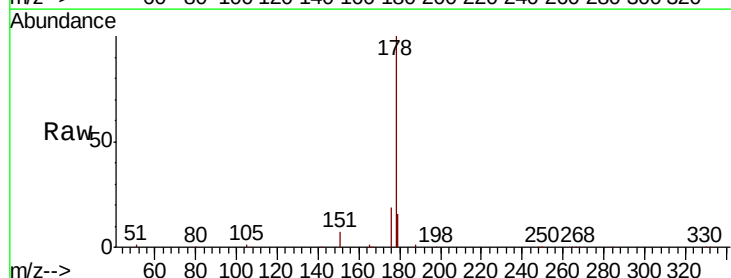
Tgt Ion:178 Resp: 19560

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

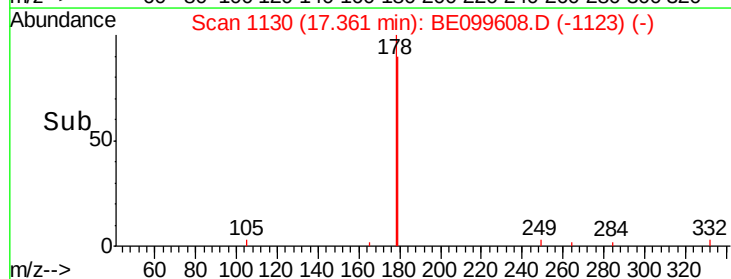
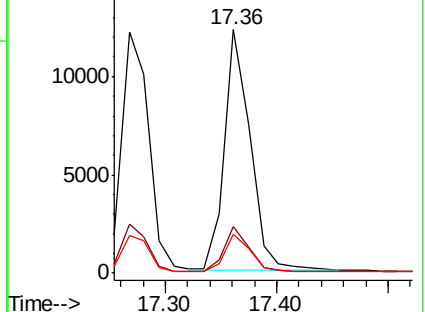
179 15.2 12.1 18.1

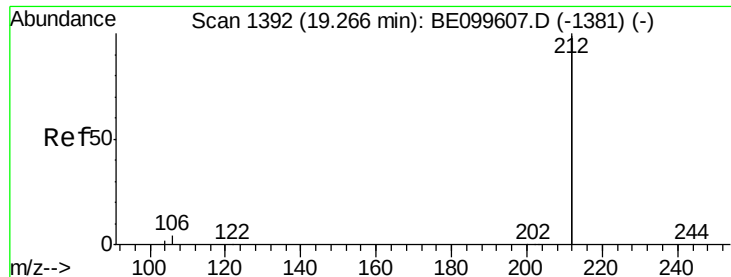


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.838 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampled :

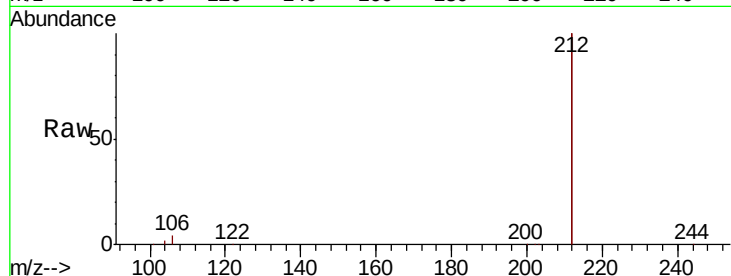
Tot Ion:212 Resp: 112903

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

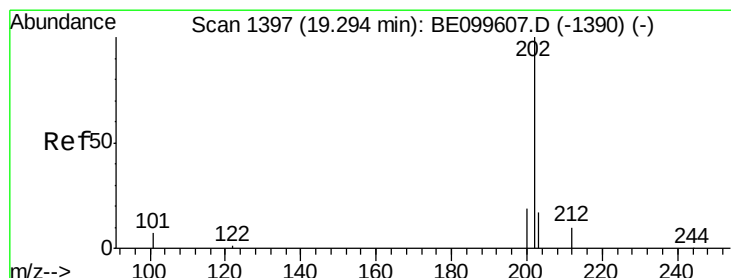
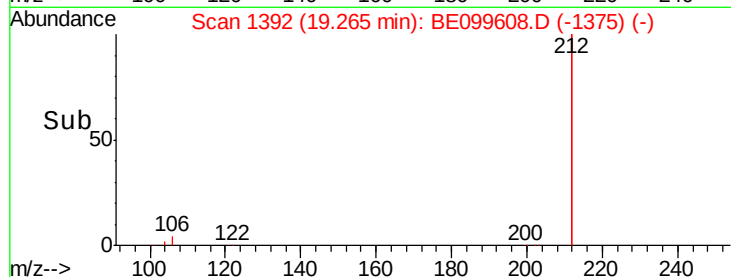
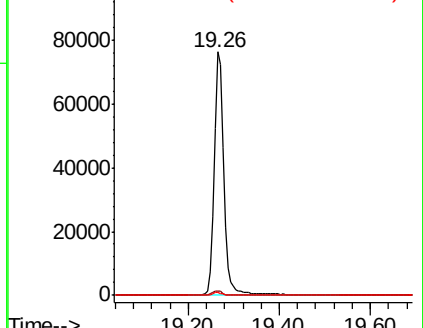
104 1.0 0.9 1.3



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: 0.834 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

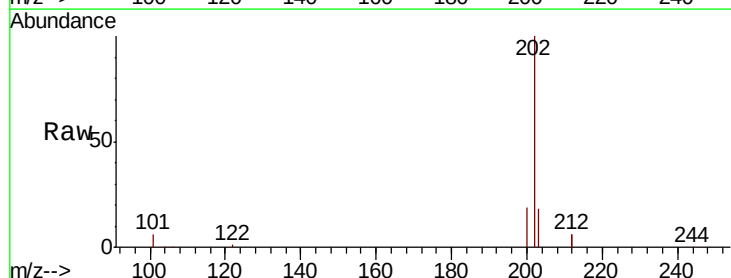
Tgt Ion:202 Resp: 31898

Ion Ratio Lower Upper

202 100

101 6.7 5.0 7.6

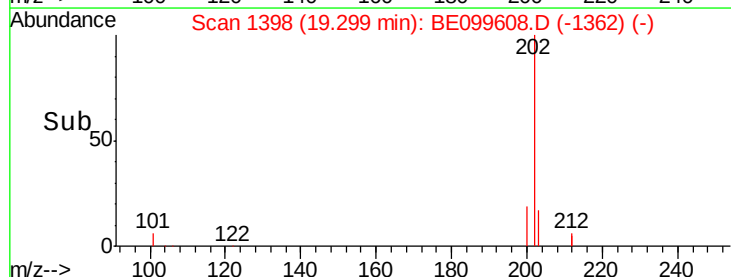
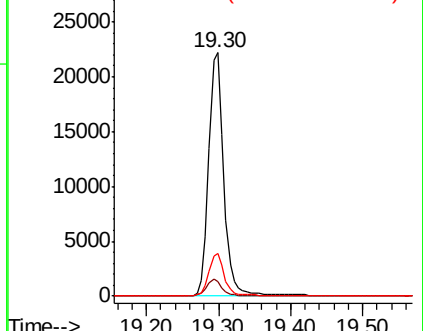
203 17.4 13.7 20.5

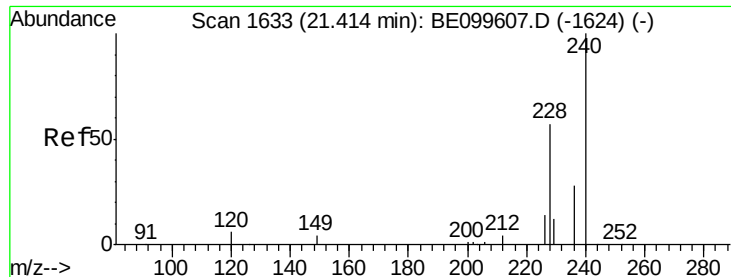


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

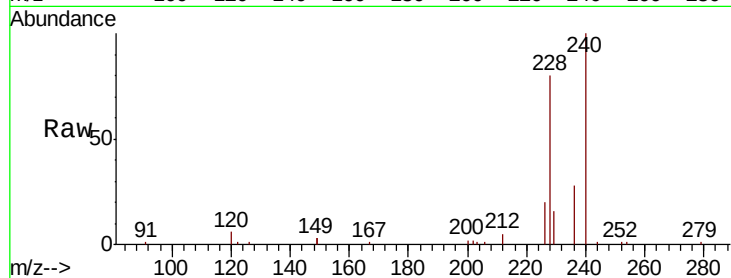
Tot Ion:240 Resp: 15589

Ion Ratio Lower Upper

240 100

120 6.0 5.7 8.5

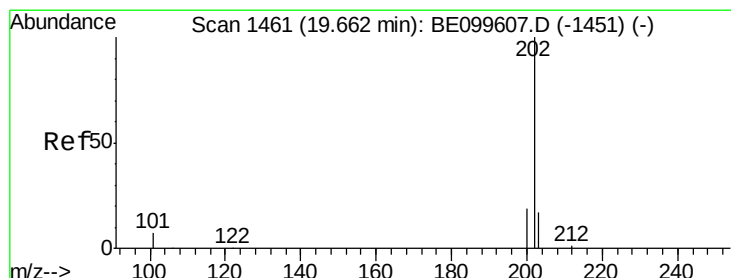
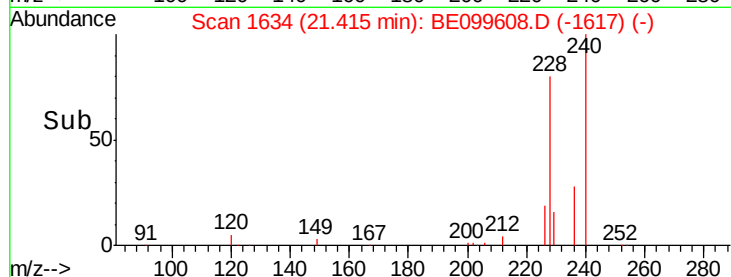
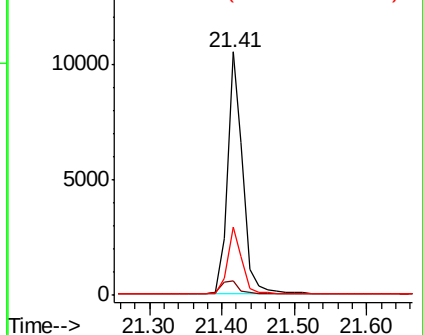
236 28.1 22.8 34.2



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: 0.801 ng

RT: 19.66 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

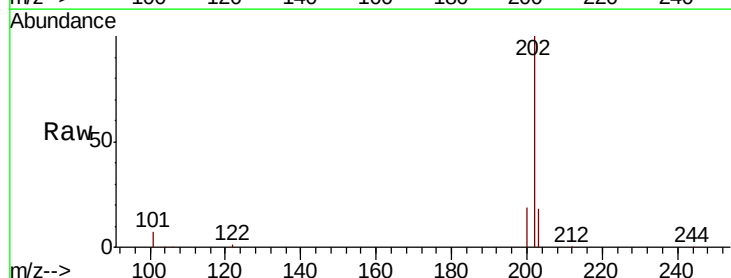
Tgt Ion:202 Resp: 32924

Ion Ratio Lower Upper

202 100

200 19.7 15.8 23.6

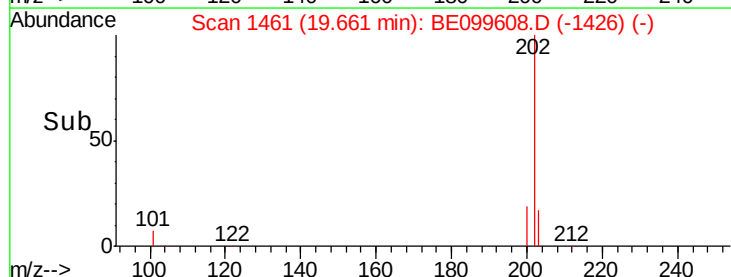
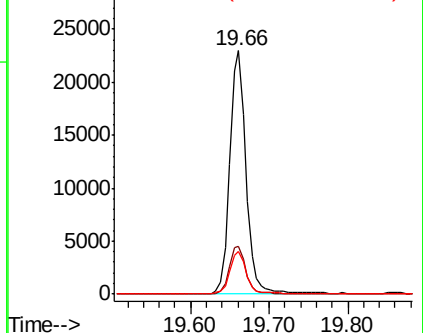
203 17.5 14.1 21.1

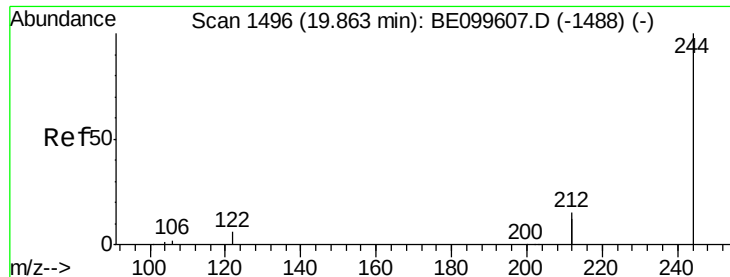


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.838 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

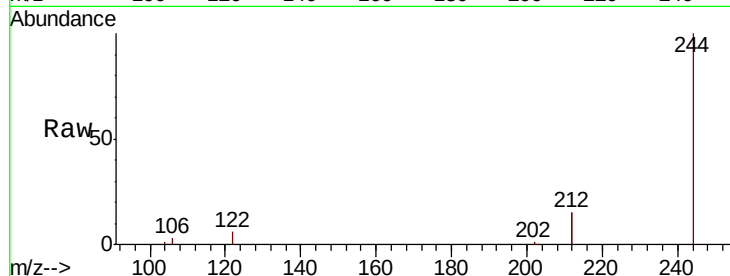
Tot Ion:244 Resp: 23211

Ion Ratio Lower Upper

244 100

212 29.7 23.8 35.6

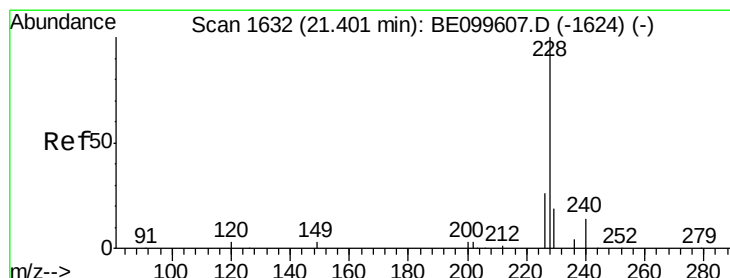
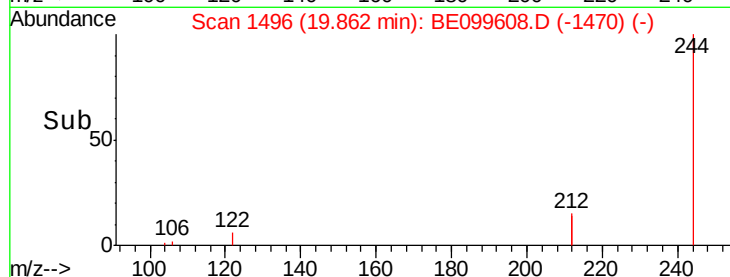
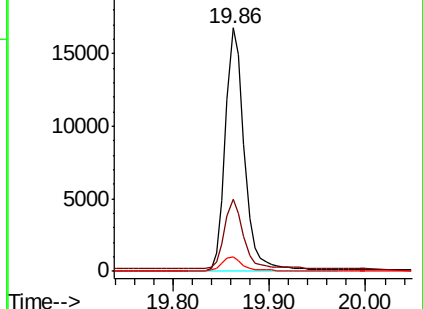
122 6.1 5.0 7.6



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: 0.827 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

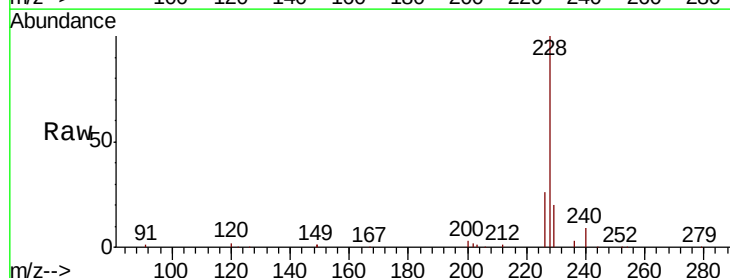
Tgt Ion:228 Resp: 39366

Ion Ratio Lower Upper

228 100

226 25.9 21.4 32.2

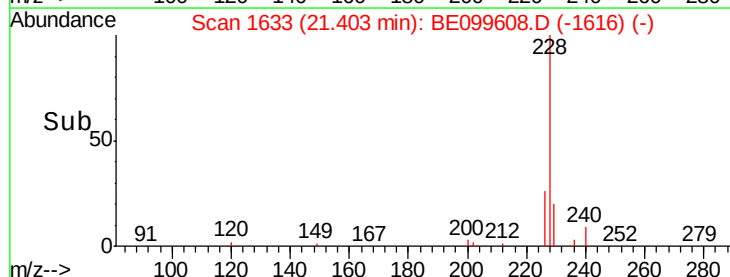
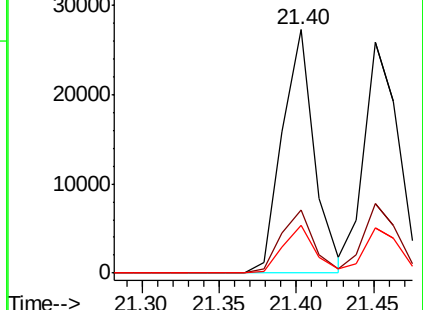
229 19.8 15.8 23.8

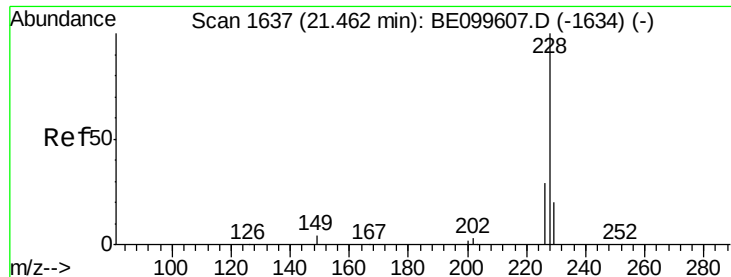


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.850 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

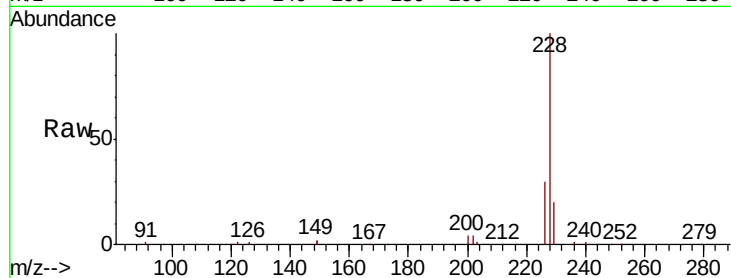
Tot Ion:228 Resp: 40427

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.4

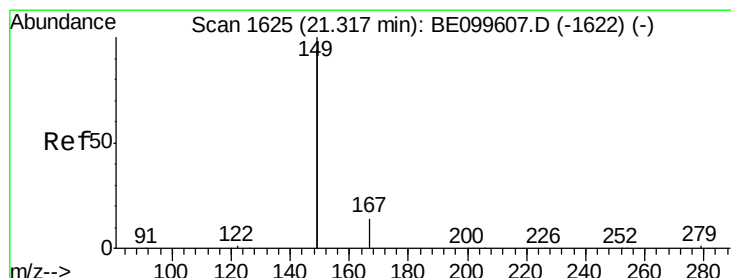
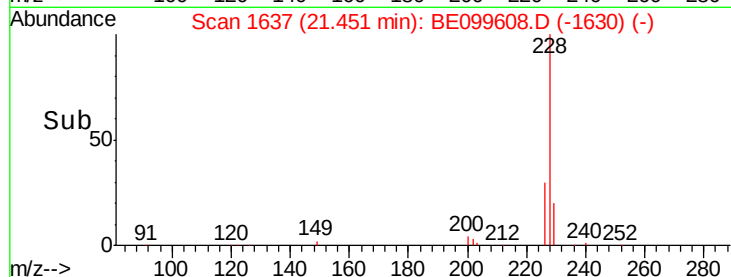
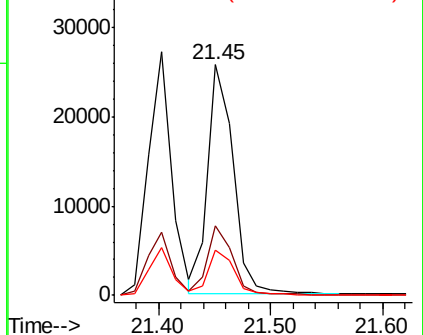
229 19.7 16.4 24.6



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: 0.816 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

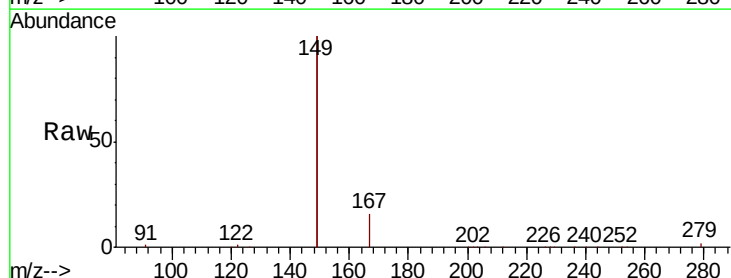
Tgt Ion:149 Resp: 55803

Ion Ratio Lower Upper

149 100

167 7.6 6.0 9.0

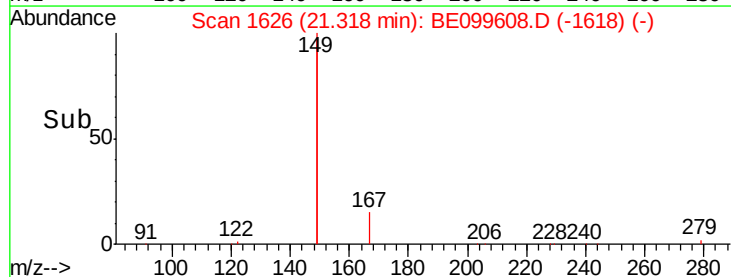
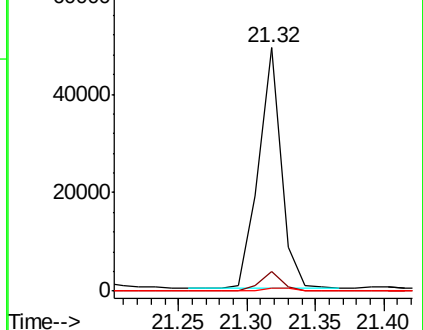
279 1.4 1.1 1.7

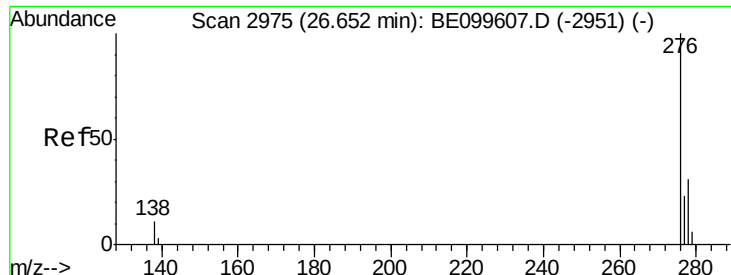


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

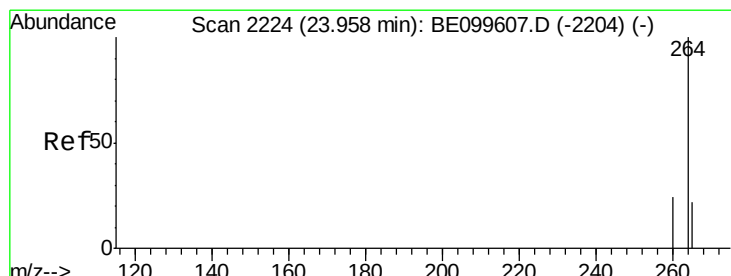
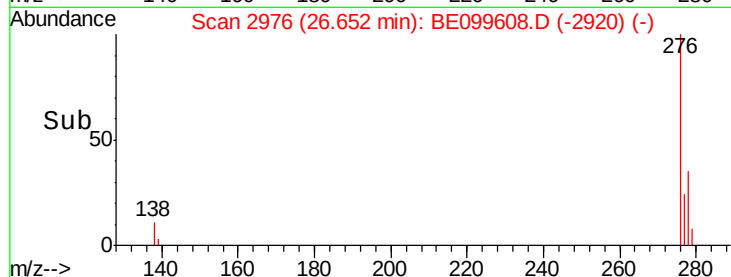
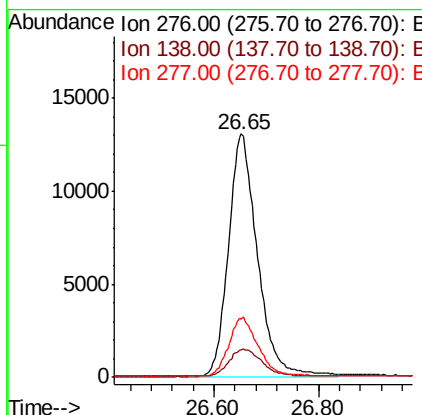
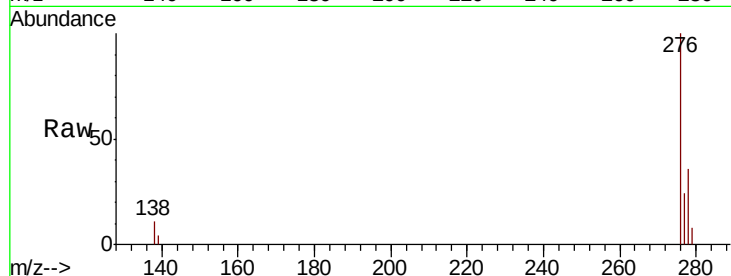




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.842 ng
 RT: 26.65 min Scan# 2976
 Delta R.T. -0.00 min
 Lab File: BE099608.D
 Acq: 14 May 2019 17:05

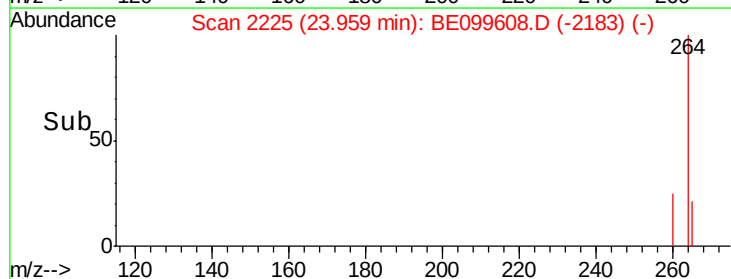
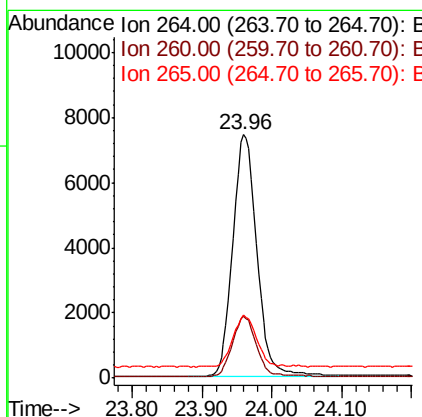
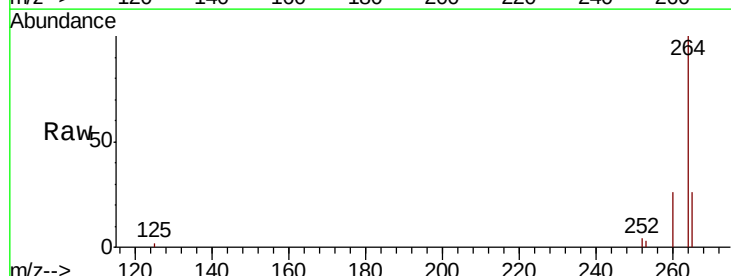
Instrument :
 BNA_E
 ClientSampleId :

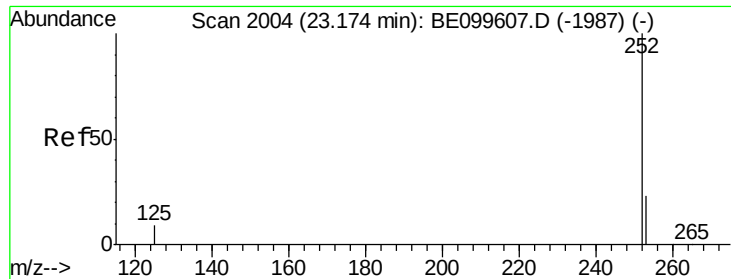
Tot Ion:276 Resp: 49978
 Ion Ratio Lower Upper
 276 100
 138 12.4 10.0 15.0
 277 24.7 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BE099608.D
 Acq: 14 May 2019 17:05

Tgt Ion:264 Resp: 17585
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.7 29.5
 265 26.0 21.2 31.8





#35

Benzo(b)fluoranthene

Concen: 0.827 ng

RT: 23.18 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

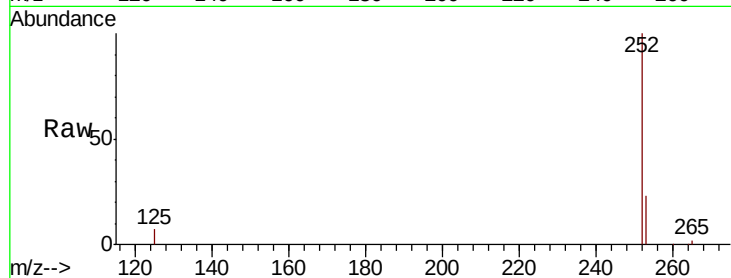
Tot Ion:252 Resp: 40159

Ion Ratio Lower Upper

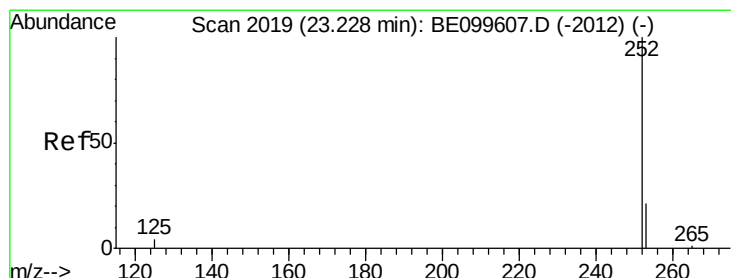
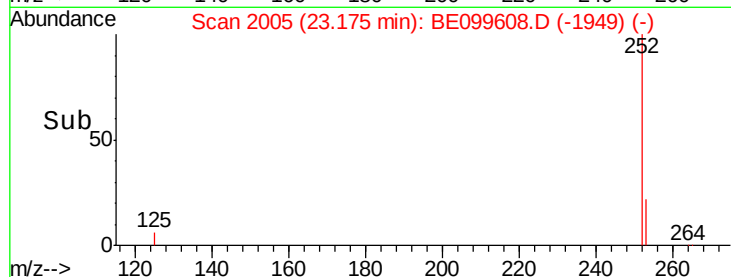
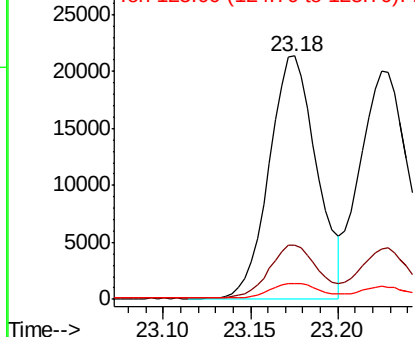
252 100

253 22.5 19.1 28.7

125 6.7 7.8 11.8#



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: 0.840 ng

RT: 23.23 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

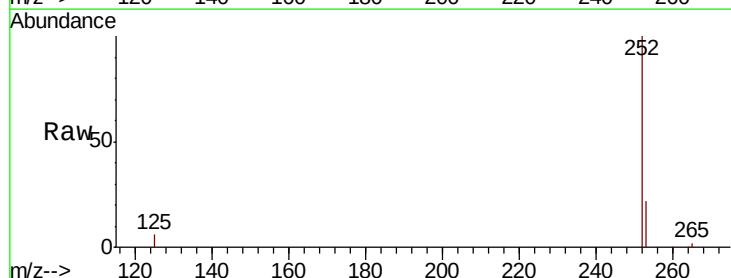
Tgt Ion:252 Resp: 40581

Ion Ratio Lower Upper

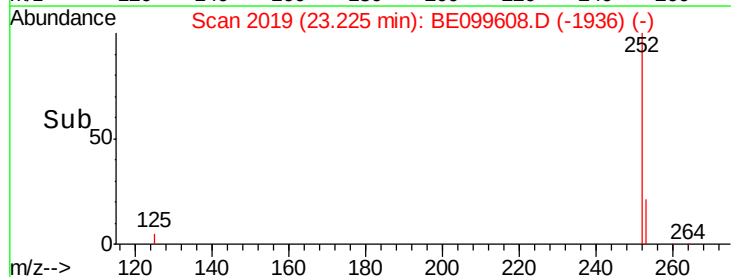
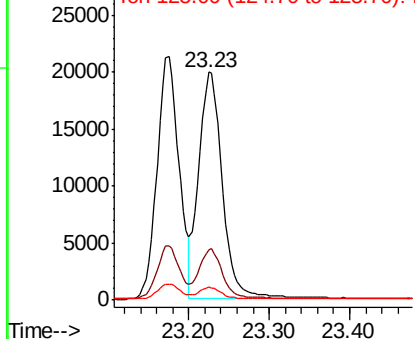
252 100

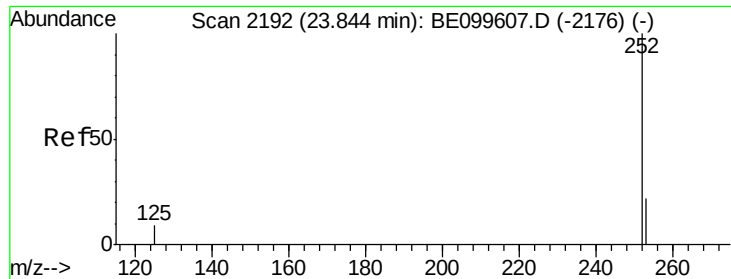
253 21.9 18.6 28.0

125 5.8 5.2 7.8



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: 0.832 ng

RT: 23.85 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :

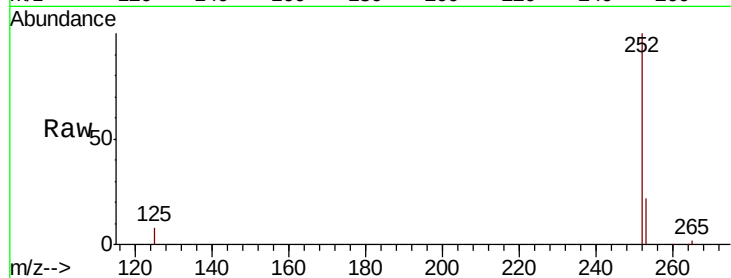
Tot Ion:252 Resp: 39146

Ion Ratio Lower Upper

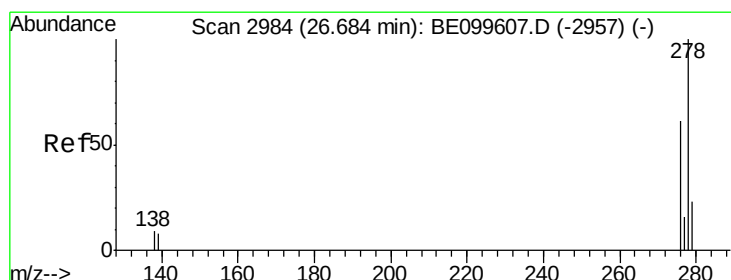
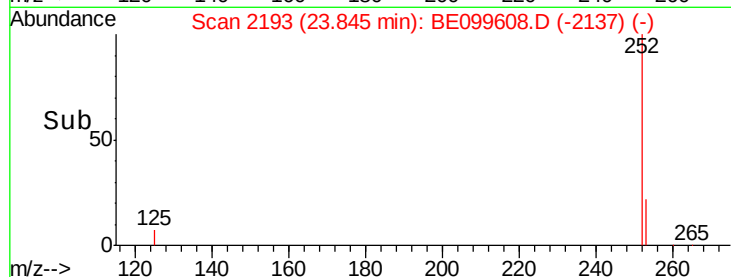
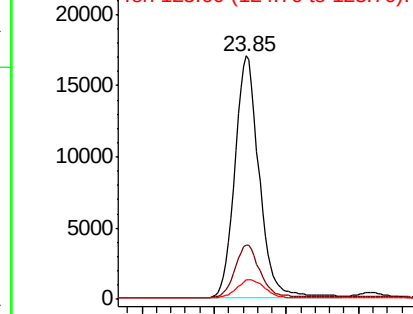
252 100

253 22.3 19.0 28.6

125 7.8 8.8 13.2#



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: 0.833 ng

RT: 26.68 min Scan# 2984

Delta R.T. -0.00 min

Lab File: BE099608.D

Acq: 14 May 2019 17:05

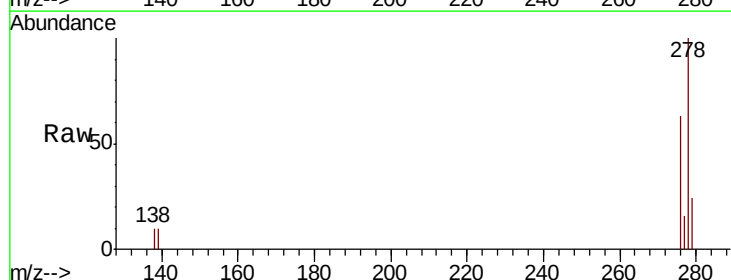
Tgt Ion:278 Resp: 40982

Ion Ratio Lower Upper

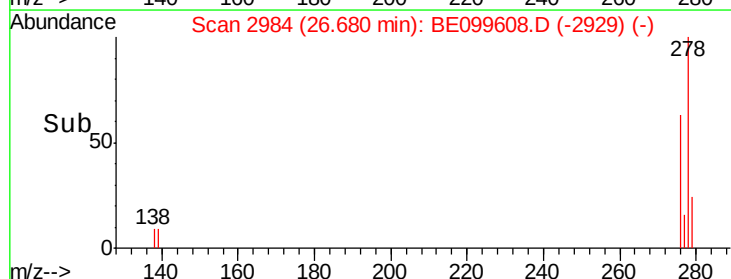
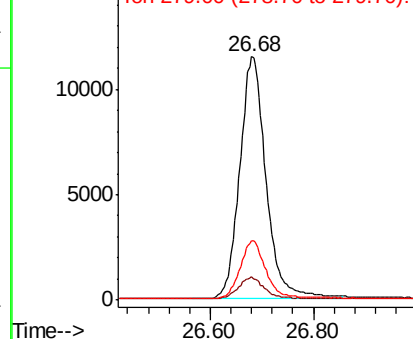
278 100

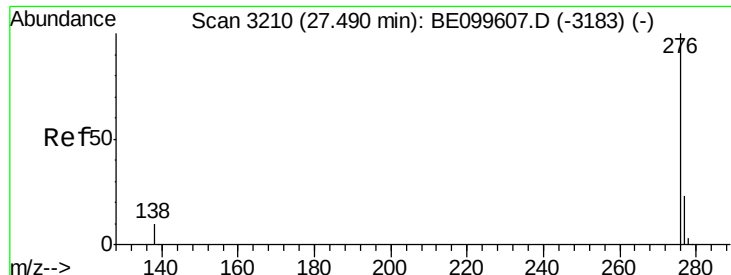
139 9.6 7.9 11.9

279 24.1 19.5 29.3



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: 0.825 ng

RT: 27.48 min Scan# 3209

Delta R.T. -0.01 min

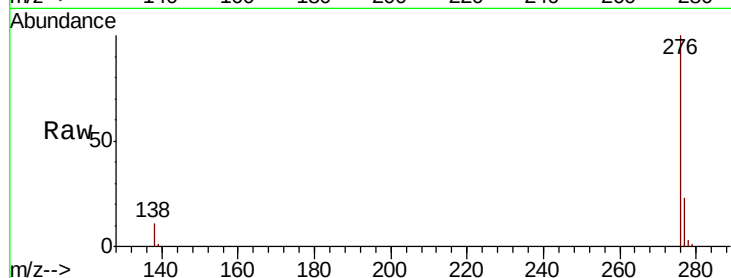
Lab File: BE099608.D

Acq: 14 May 2019 17:05

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 41089

Ion Ratio Lower Upper

276 100

277 23.4 19.3 28.9

138 11.4 9.1 13.7

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

