

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099641.D
 Acq On : 17 May 2019 8:25
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 11:51:03 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 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2186	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	7562	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	5041	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	14964	0.40	ng	0.00
27) Chrysene-d12	21.43	240	21046	0.40	ng	0.01
34) Perylene-d12	23.96	264	26326	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2037	0.33	ng	0.00
5) Phenol-d6	6.98	99	2762	0.35	ng	0.00
8) Nitrobenzene-d5	8.98	82	2477	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4500	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1030	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	7106	0.37	ng	0.01
25) Fluoranthene-d10	19.27	212	68478	0.34	ng	0.00
29) Terphenyl-d14	19.87	244	13979	0.37	ng	0.00

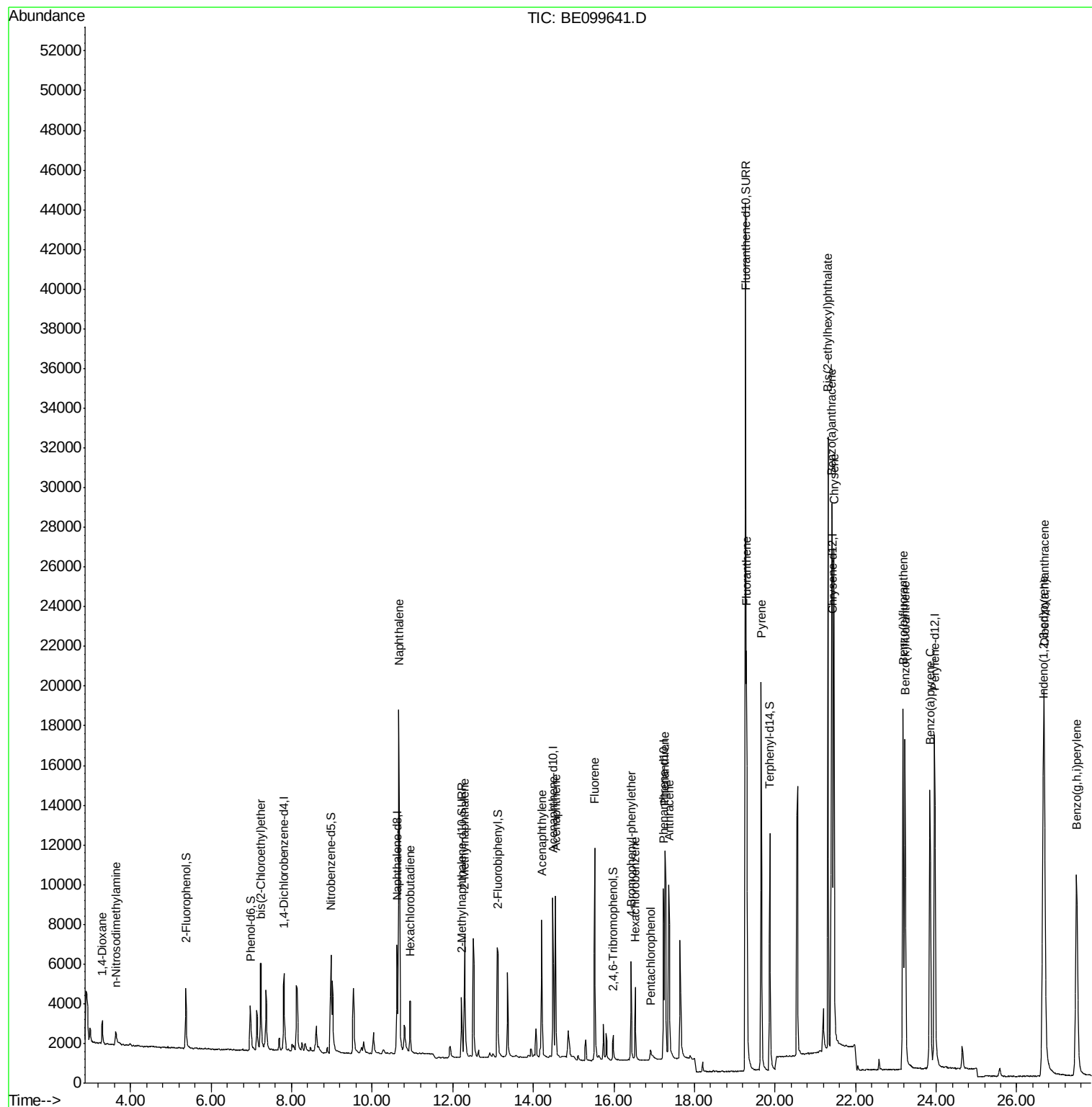
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	1088	0.337	ng	91
3) n-Nitrosodimethylamine	3.64	42	574	0.279	ng	# 96
6) bis(2-Chloroethyl)ether	7.24	93	2340	0.354	ng	98
9) Naphthalene	10.67	128	29635	0.368	ng	99
10) Hexachlorobutadiene	10.95	225	2172	0.369	ng	99
12) 2-Methylnaphthalene	12.30	142	4650	0.350	ng	98
16) Acenaphthylene	14.21	152	8465	0.356	ng	99
17) Acenaphthene	14.56	154	4961	0.369	ng	98
18) Fluorene	15.53	166	6789	0.352	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2933	0.340	ng	97
21) Hexachlorobenzene	16.53	284	3197	0.377	ng	98
22) Pentachlorophenol	16.91	266	754	0.428	ng	95
23) Phenanthrene	17.27	178	13142	0.354	ng	99
24) Anthracene	17.36	178	11238	0.328	ng	99
26) Fluoranthene	19.30	202	19743	0.351	ng	100
28) Pyrene	19.66	202	20570	0.383	ng	100
30) Benzo(a)anthracene	21.40	228	25490	0.401	ng	99
31) Chrysene	21.46	228	24982	0.381	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	31210	0.318	ng	100
33) Indeno(1,2,3-cd)pyrene	26.66	276	33929	0.416	ng	98
35) Benzo(b)fluoranthene	23.18	252	26690	0.363	ng	98
36) Benzo(k)fluoranthene	23.23	252	26701	0.367	ng	98
37) Benzo(a)pyrene	23.84	252	26133	0.367	ng	98
38) Dibenzo(a,h)anthracene	26.68	278	27994	0.379	ng	99
39) Benzo(g,h,i)perylene	27.49	276	28048	0.377	ng	99

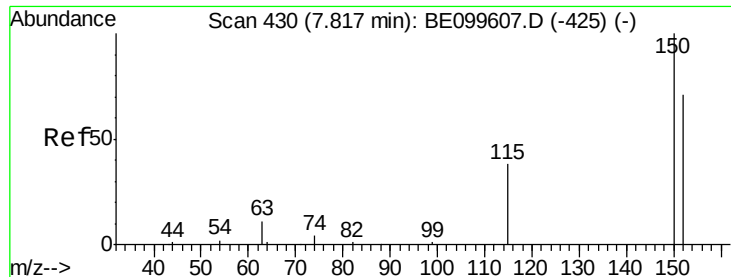
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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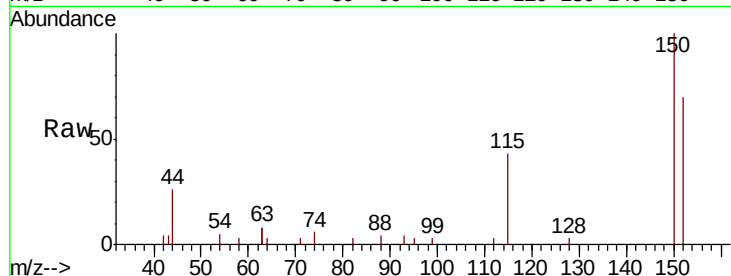


#1

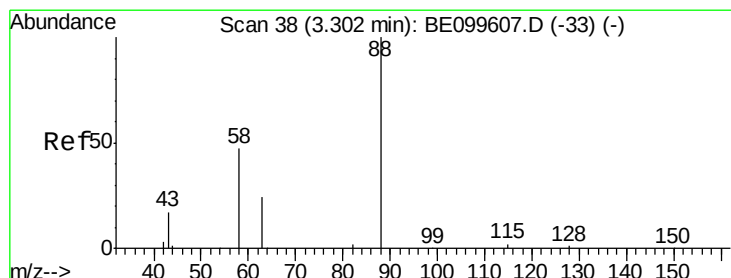
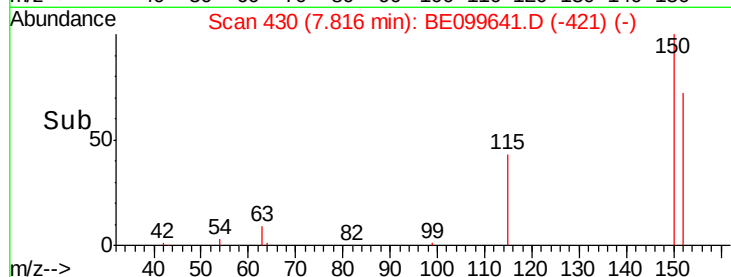
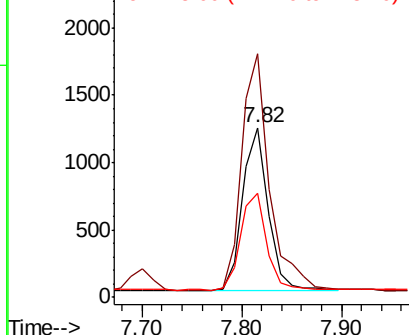
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099641.D
Acq: 17 May 2019 8:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2186
Ion Ratio Lower Upper
152 100
150 143.5 110.1 165.1
115 61.5 46.2 69.4



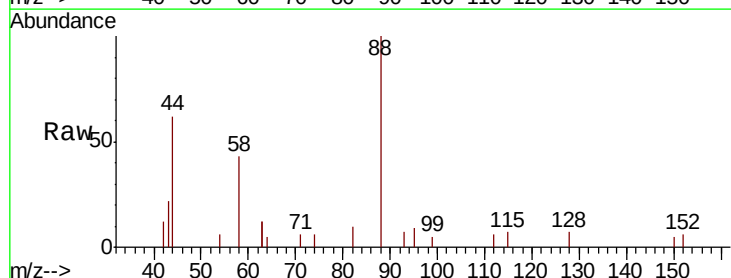
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



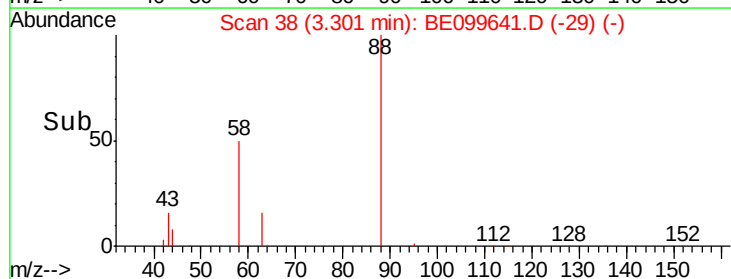
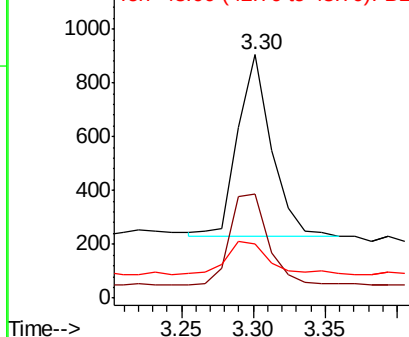
#2

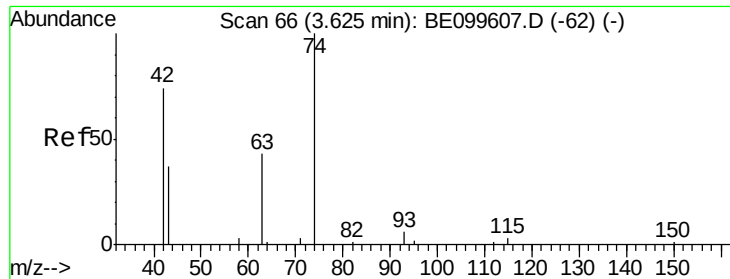
1,4-Dioxane
Concen: 0.337 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099641.D
Acq: 17 May 2019 8:25

Tgt Ion: 88 Resp: 1088
Ion Ratio Lower Upper
88 100
58 57.7 39.8 59.6
43 24.4 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



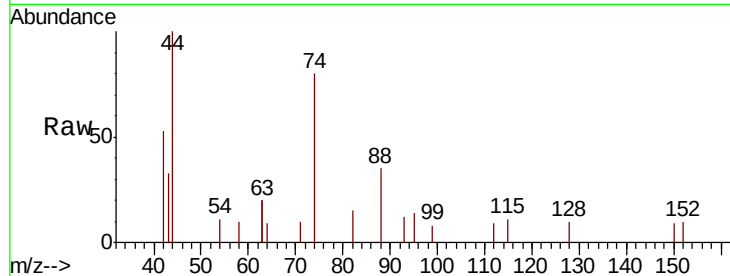


#3

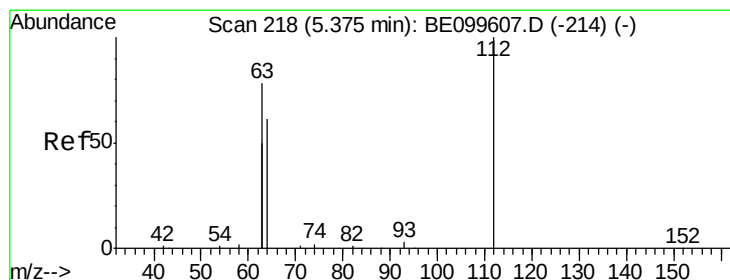
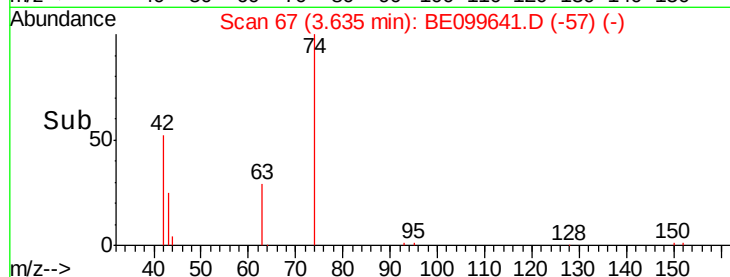
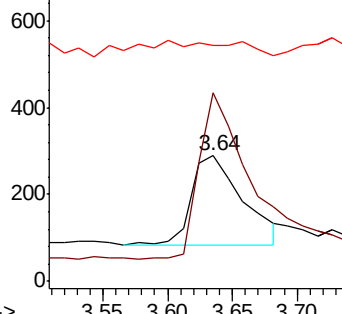
n-Nitrosodimethylamine
 Concen: 0.279 ng
 RT: 3.64 min Scan# 67
 Delta R.T. 0.01 min
 Lab File: BE099641.D
 Acq: 17 May 2019 8:25

Instrument :
 BNA_E
 ClientSampled :

Tot Ion: 42 Resp: 574
 Ion Ratio Lower Upper
 42 100
 74 169.2 134.7 202.1
 44 0.0 12.5 18.7#



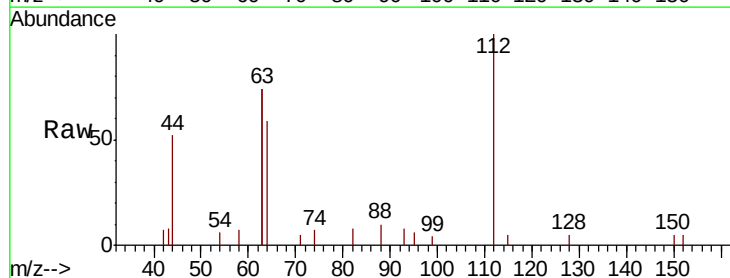
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



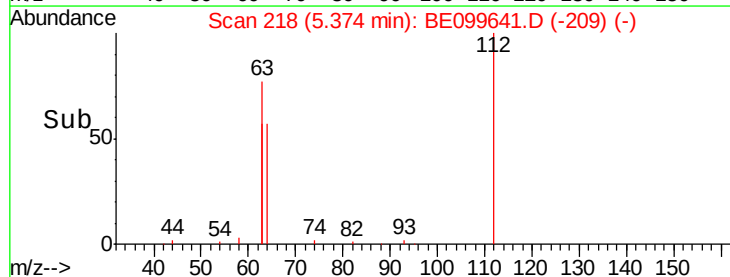
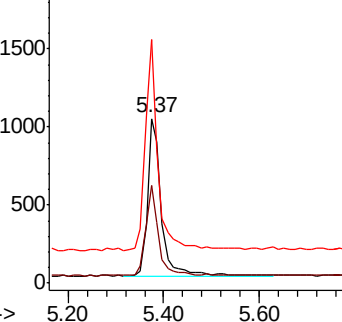
#4

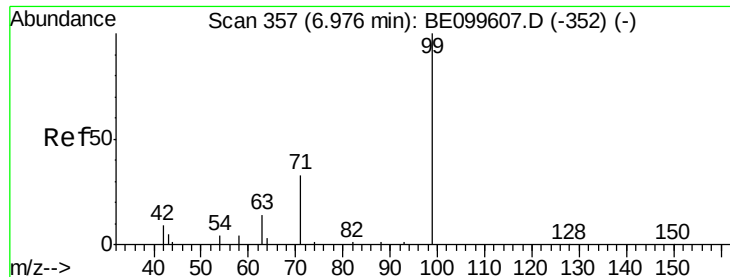
2-Fluorophenol
 Concen: 0.328 ng
 RT: 5.37 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: BE099641.D
 Acq: 17 May 2019 8:25

Tgt Ion: 112 Resp: 2037
 Ion Ratio Lower Upper
 112 100
 64 53.3 43.7 65.5
 63 122.8 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: 0.351 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

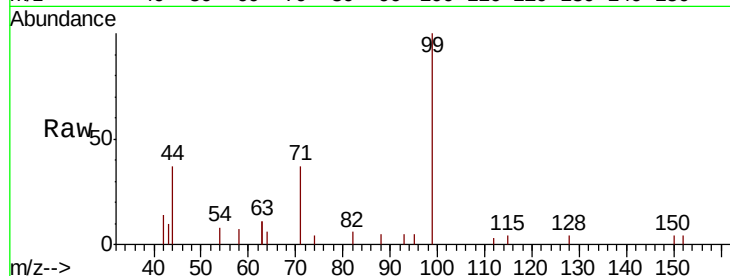
Tot Ion: 99 Resp: 2762

Ion Ratio Lower Upper

99 100

42 13.0 14.3 21.5#

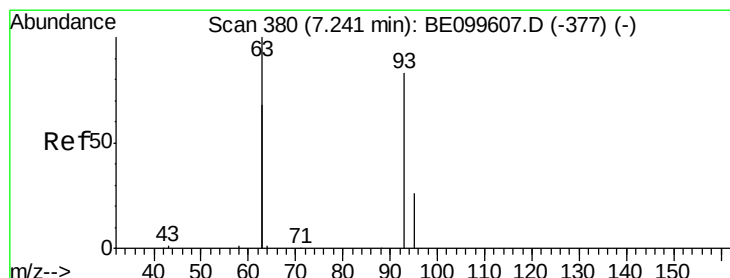
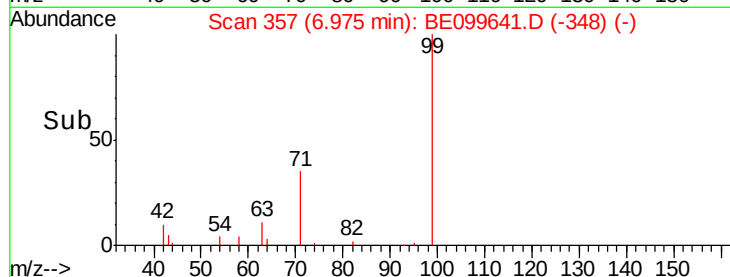
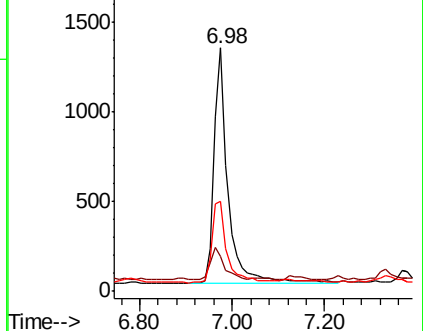
71 37.9 33.1 49.7



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: 0.354 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

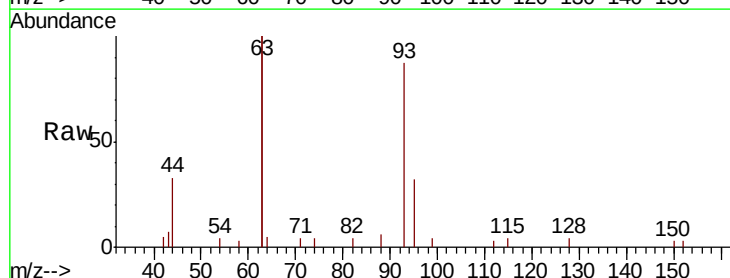
Tgt Ion: 93 Resp: 2340

Ion Ratio Lower Upper

93 100

63 255.1 201.0 301.4

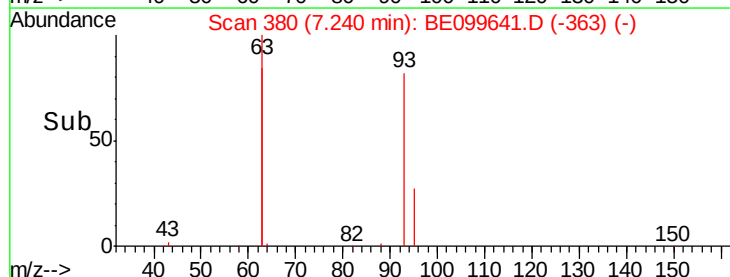
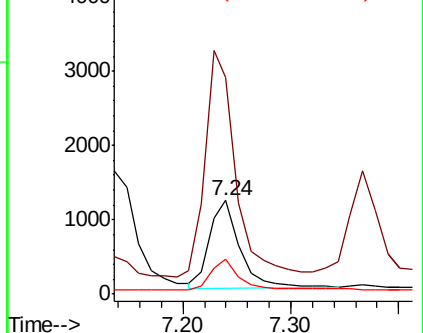
95 33.6 25.0 37.4

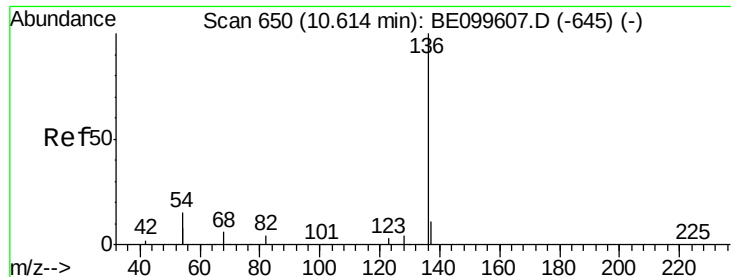


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7562

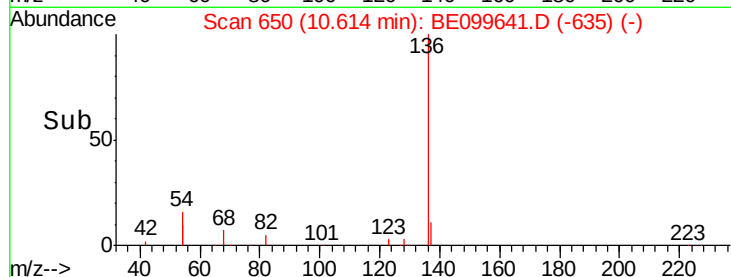
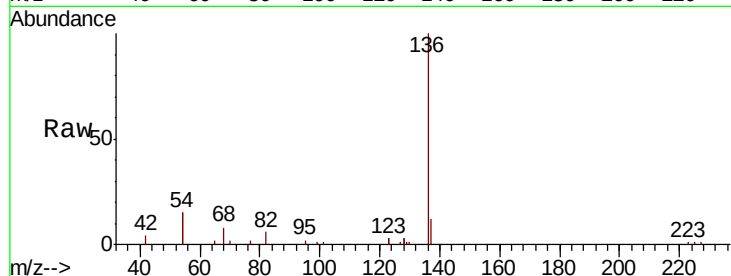
Ion Ratio Lower Upper

136 100

137 12.3 9.7 14.5

54 30.8 23.8 35.8

68 8.4 6.2 9.2

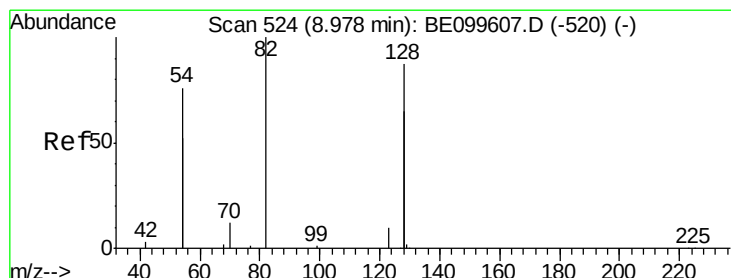
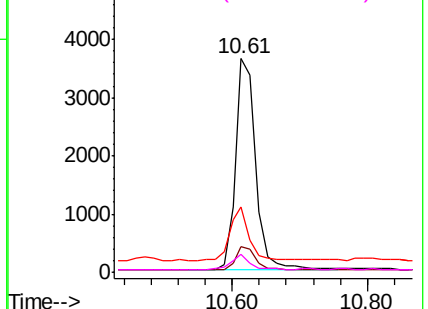


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.338 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

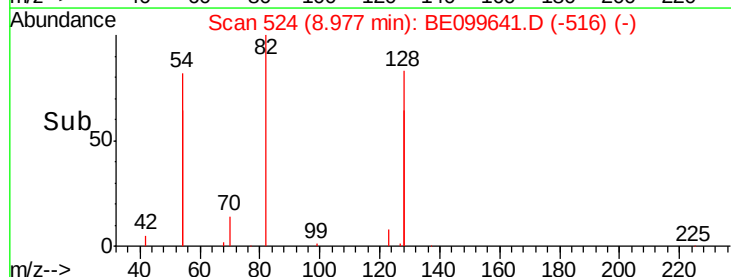
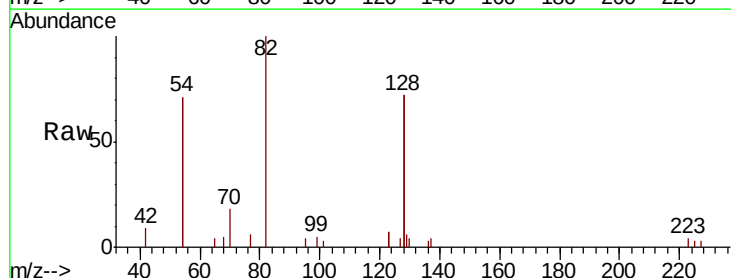
Tgt Ion: 82 Resp: 2477

Ion Ratio Lower Upper

82 100

128 143.3 131.4 197.2

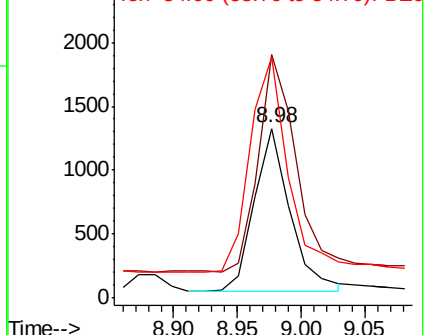
54 142.1 113.9 170.9

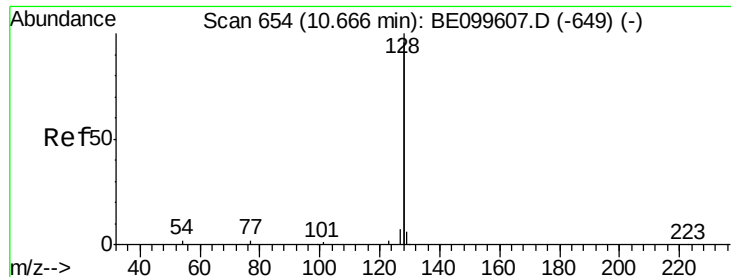


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.368 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

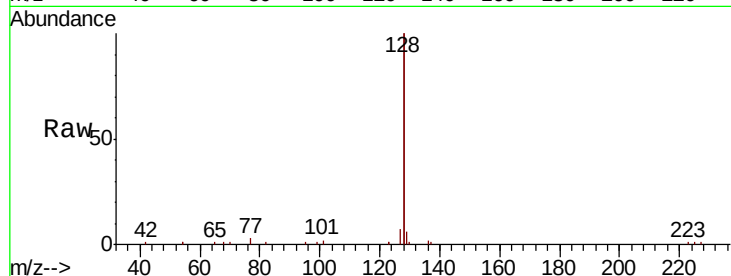
Tot Ion:128 Resp: 29635

Ion Ratio Lower Upper

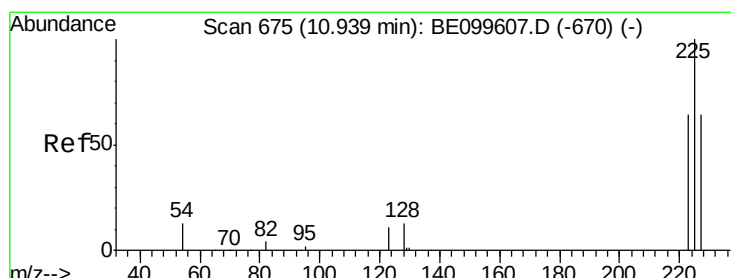
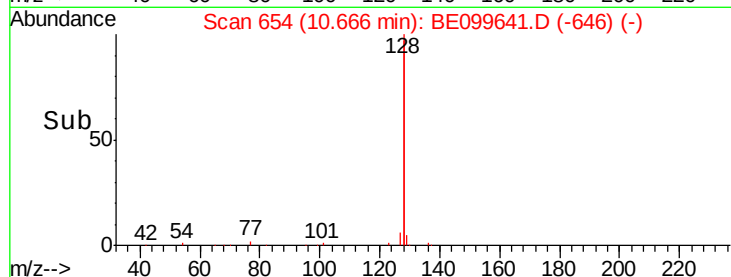
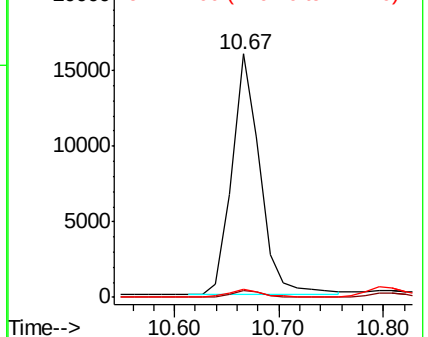
128 100

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: 0.369 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.01 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

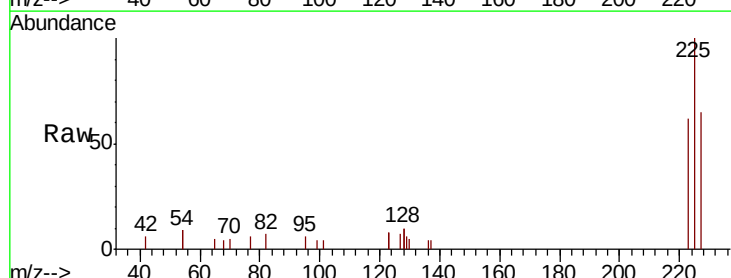
Tgt Ion:225 Resp: 2172

Ion Ratio Lower Upper

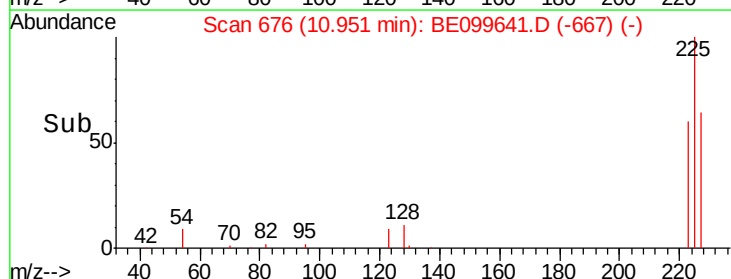
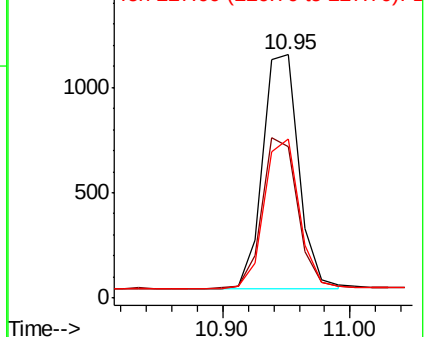
225 100

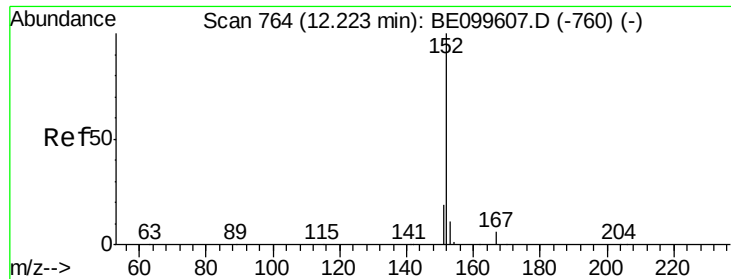
223 63.1 49.8 74.8

227 62.7 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

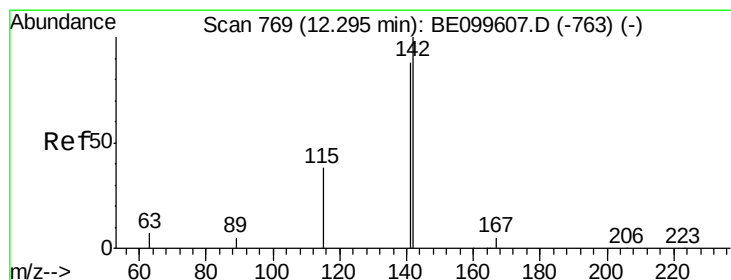
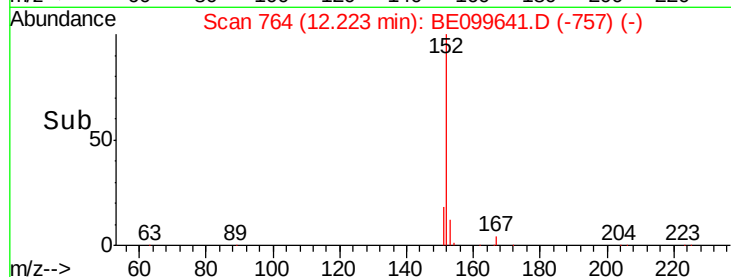
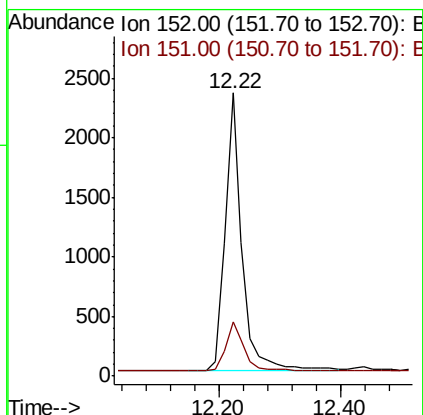
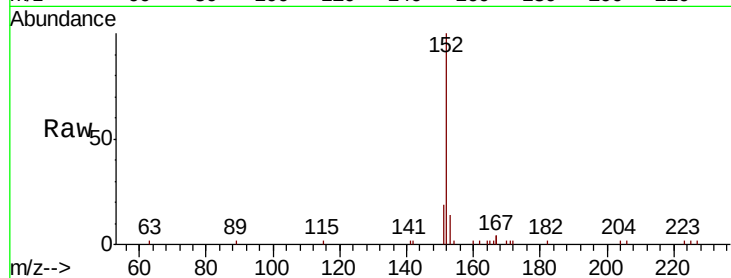




#11
 2-Methylnaphthalene-d10
 Concen: 0.354 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099641.D
 Acq: 17 May 2019 8:25

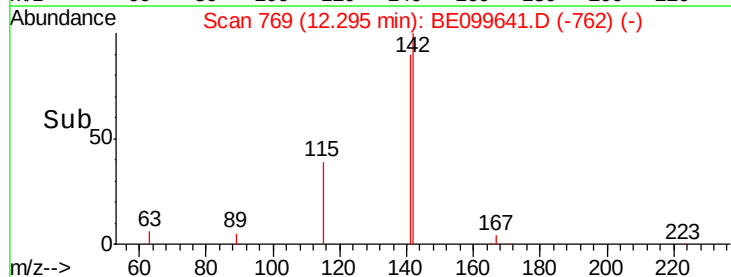
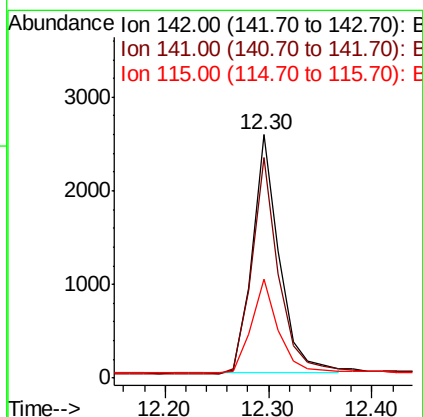
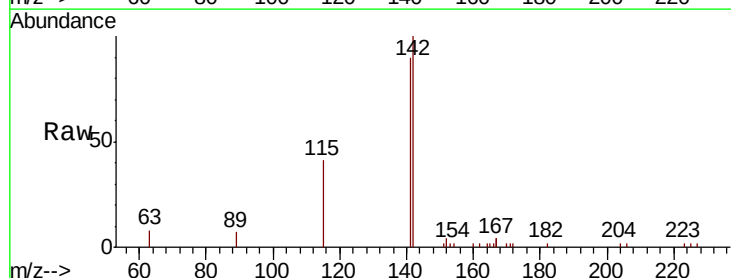
Instrument :
 BNA_E
 ClientSampled :

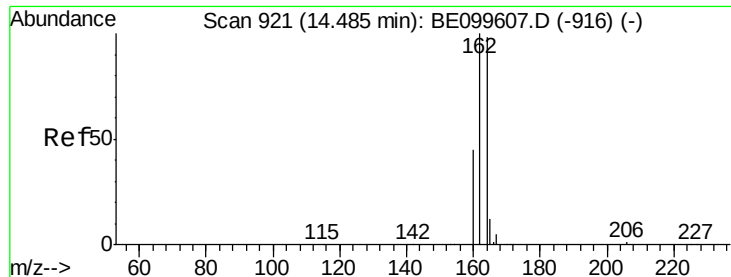
Tot Ion:152 Resp: 4500
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.350 ng
 RT: 12.30 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: BE099641.D
 Acq: 17 May 2019 8:25

Tgt Ion:142 Resp: 4650
 Ion Ratio Lower Upper
 142 100
 141 90.3 70.4 105.6
 115 40.7 32.2 48.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

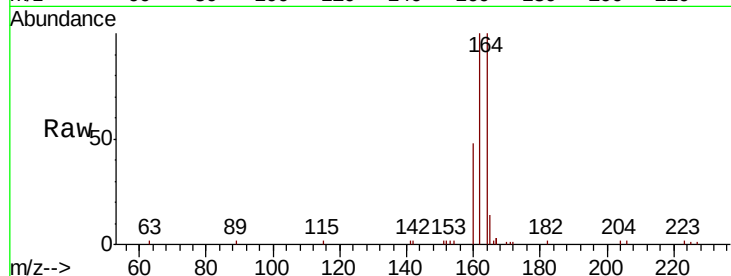
Tot Ion:164 Resp: 5041

Ion Ratio Lower Upper

164 100

162 99.6 81.4 122.0

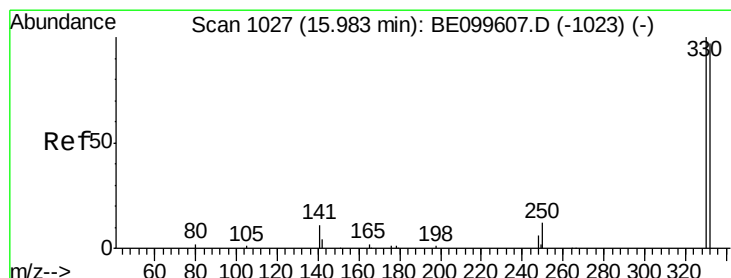
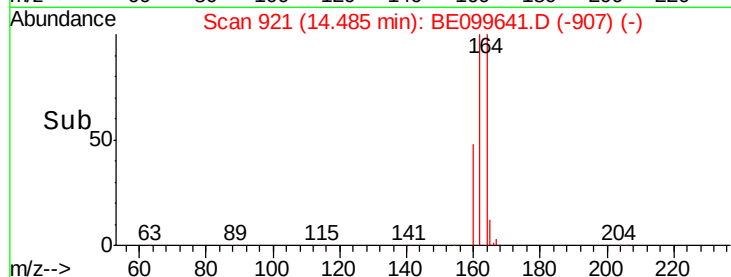
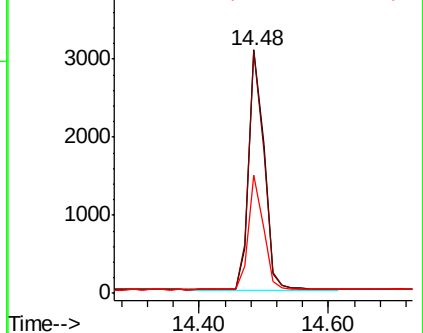
160 48.4 37.4 56.2



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: 0.299 ng

RT: 15.98 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

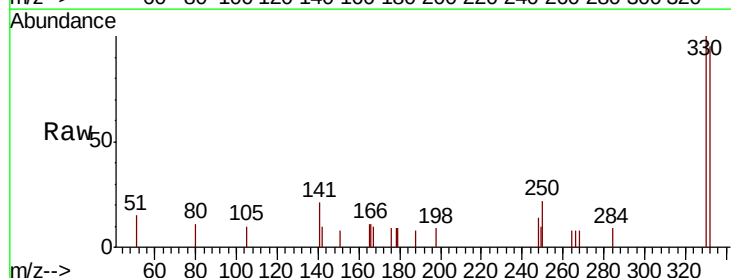
Tgt Ion:330 Resp: 1030

Ion Ratio Lower Upper

330 100

332 92.4 73.8 110.8

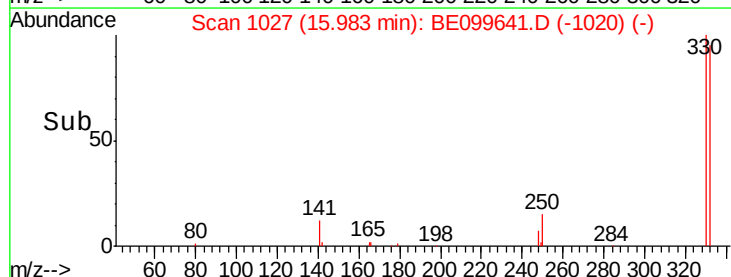
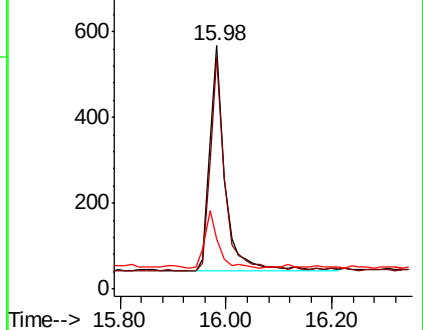
141 22.2 21.0 31.6

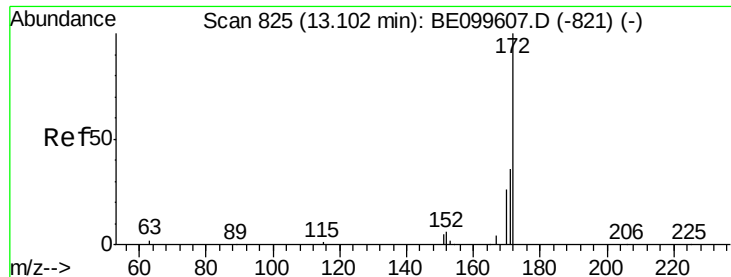


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

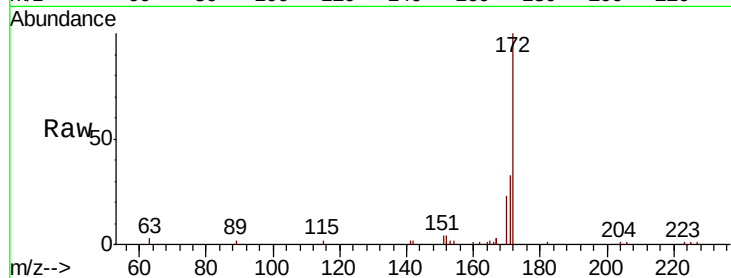




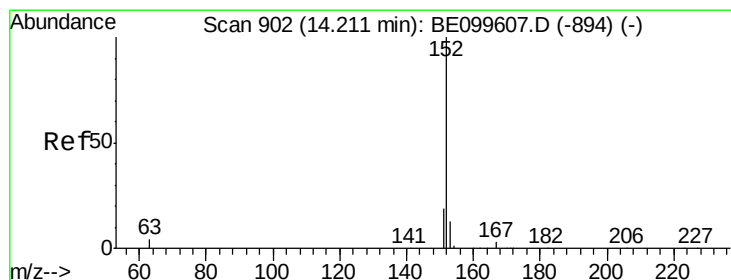
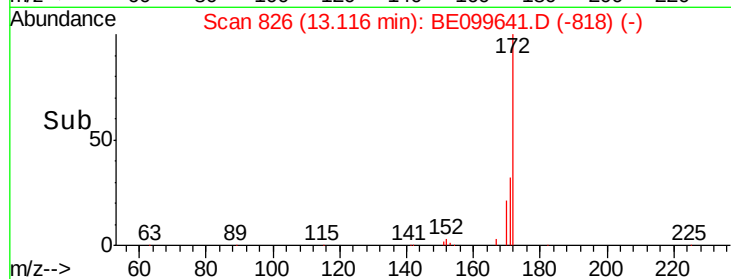
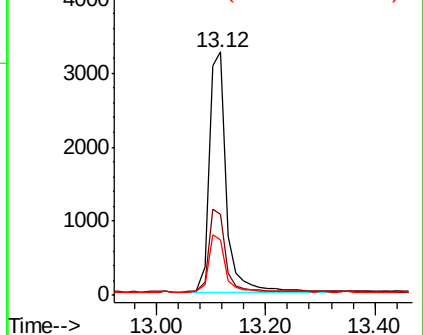
#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099641.D
Acq: 17 May 2019 8:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7106
Ion Ratio Lower Upper
172 100
171 33.4 29.4 44.2
170 22.6 21.5 32.3

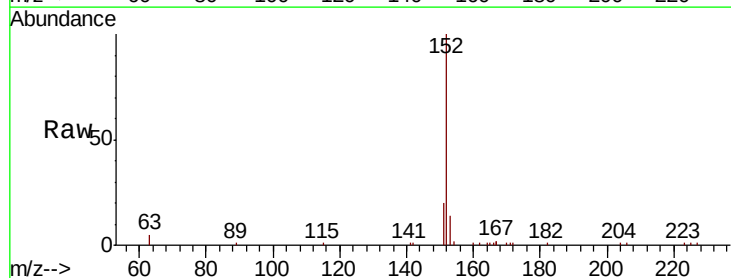


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

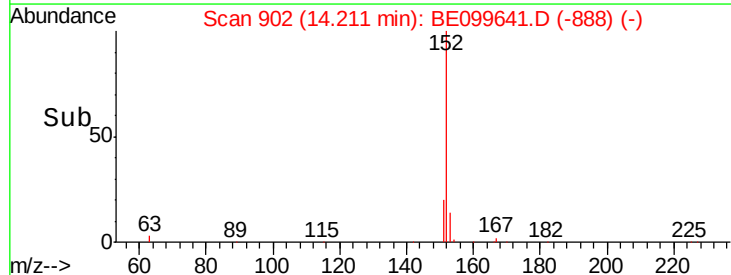
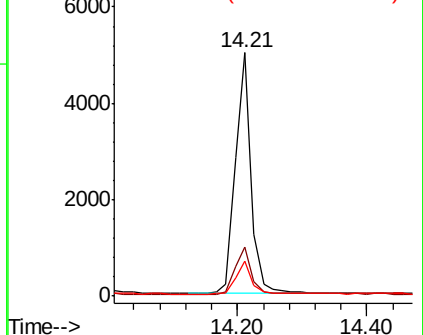


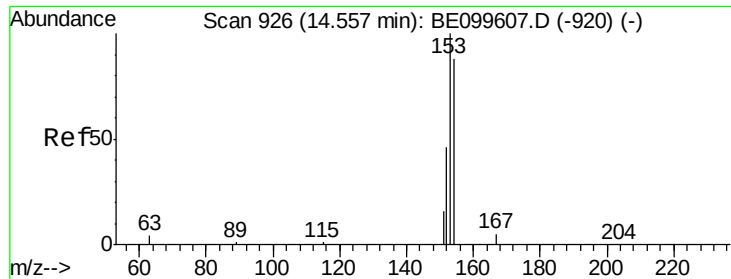
#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099641.D
Acq: 17 May 2019 8:25

Tgt Ion:152 Resp: 8465
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.5 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: 0.369 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

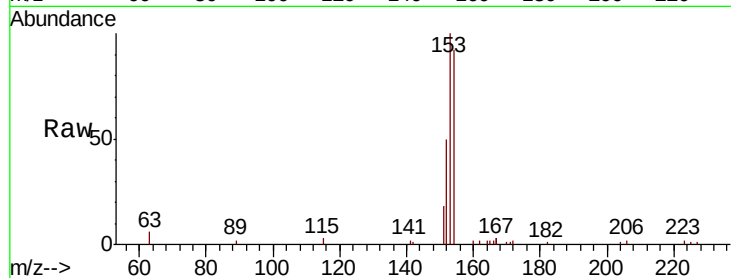
Tot Ion:154 Resp: 4961

Ion Ratio Lower Upper

154 100

153 115.0 94.1 141.1

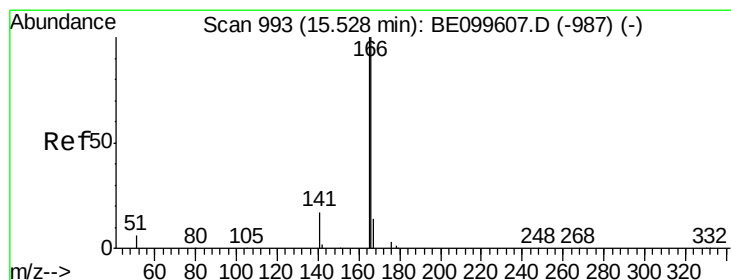
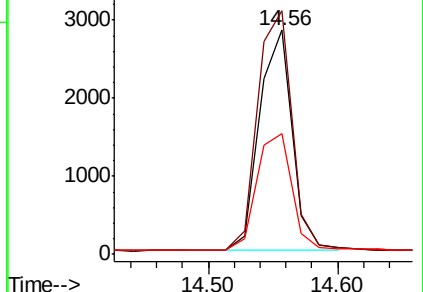
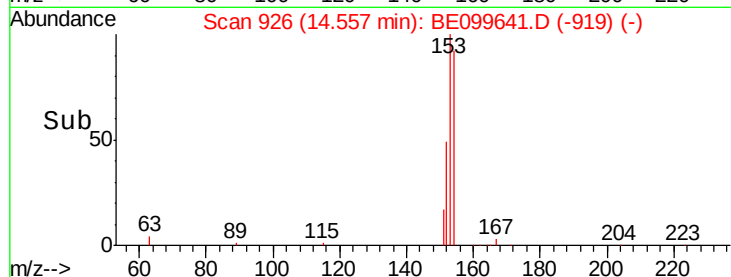
152 56.8 46.5 69.7



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: 0.352 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

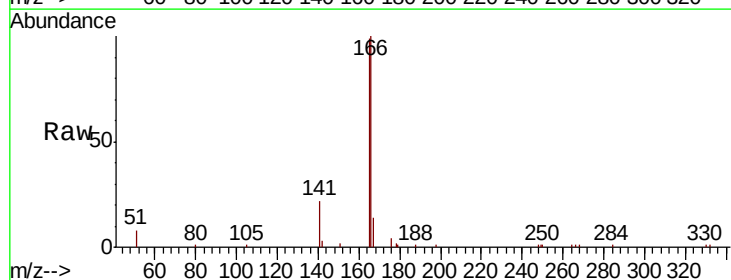
Tgt Ion:166 Resp: 6789

Ion Ratio Lower Upper

166 100

165 100.6 79.8 119.8

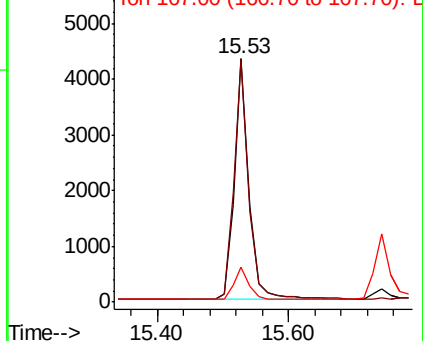
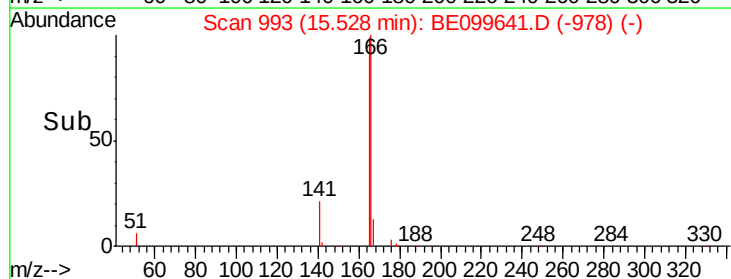
167 14.0 11.2 16.8

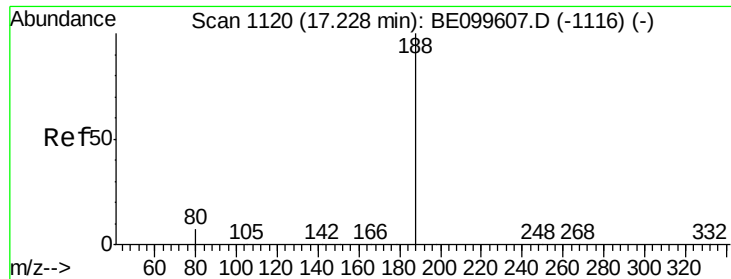


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

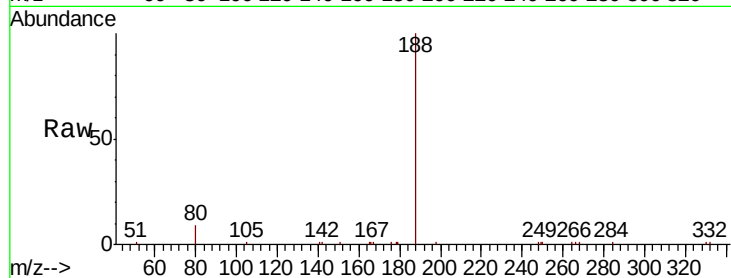
Tot Ion:188 Resp: 14964

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

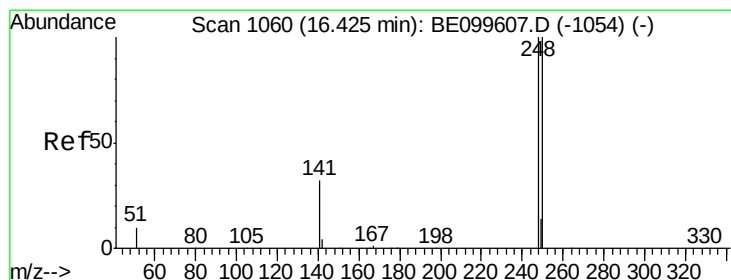
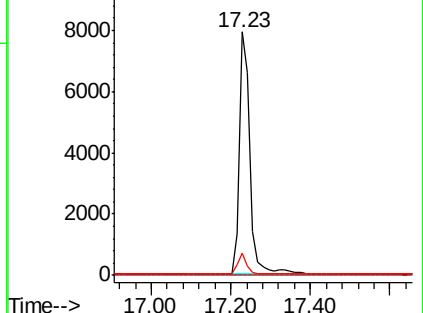
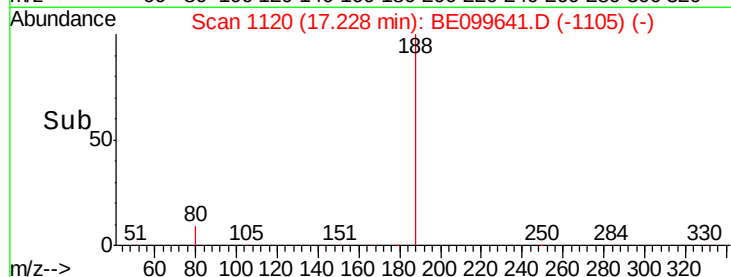
80 9.2 6.4 9.6



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: 0.340 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

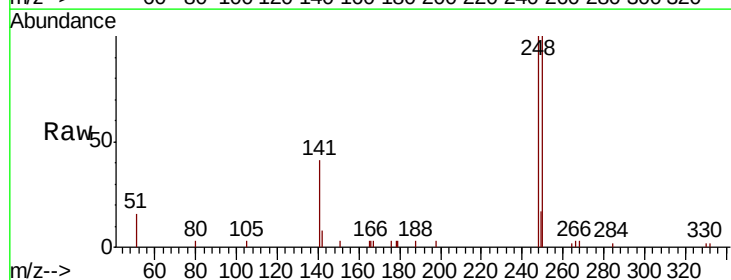
Tgt Ion:248 Resp: 2933

Ion Ratio Lower Upper

248 100

250 99.8 80.4 120.6

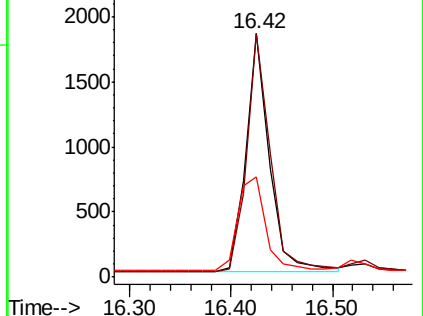
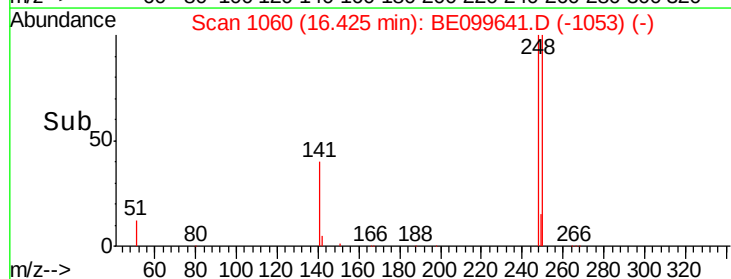
141 41.4 27.8 41.8

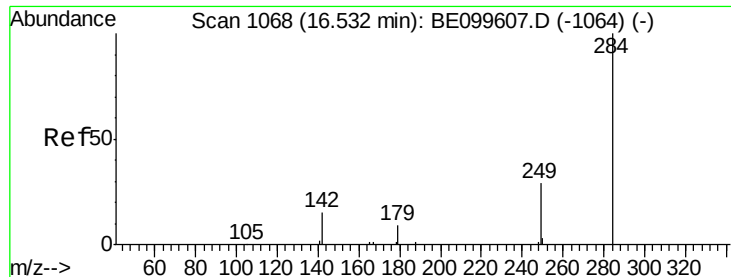


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.377 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099641.D

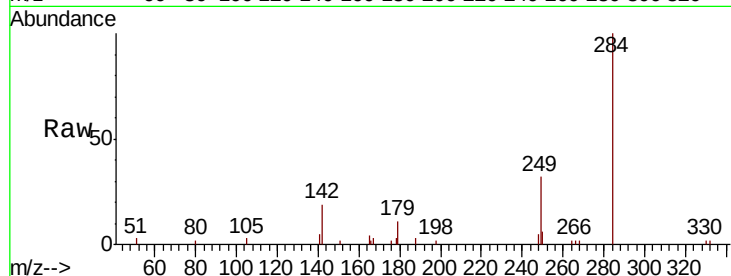
Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

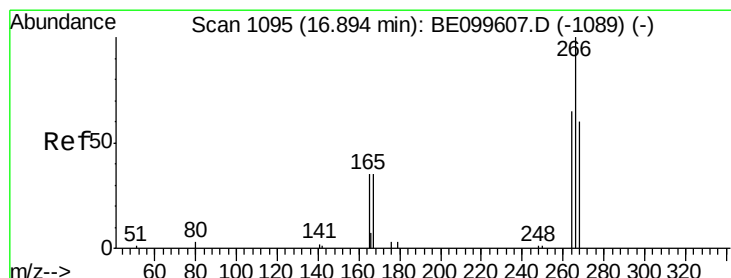
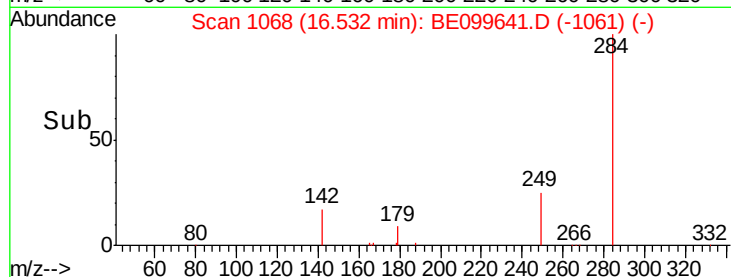
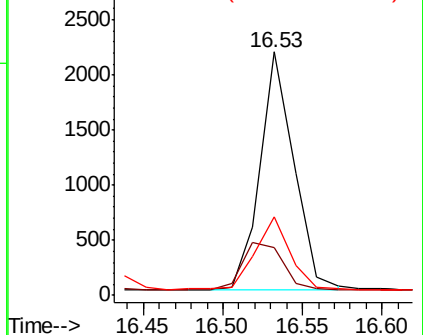
Tot Ion:284	Resp:	3197
Ion Ratio	Lower	Upper
284	100	
142	22.9	19.4 29.2
249	29.9	24.6 37.0



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: 0.428 ng

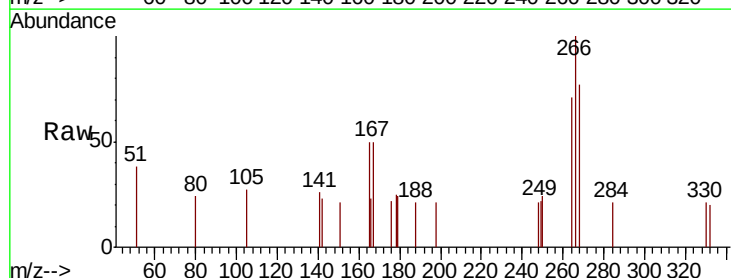
RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

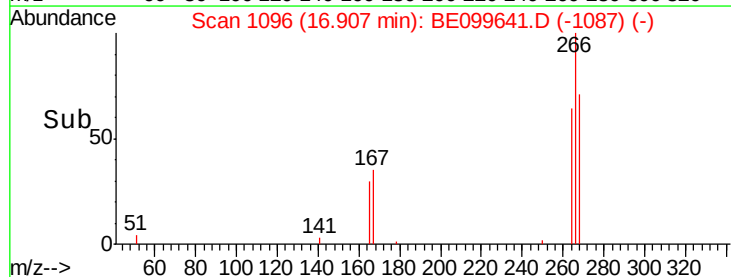
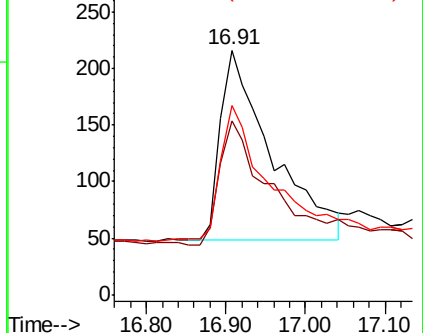
Tgt Ion:266	Resp:	754
Ion Ratio	Lower	Upper
266	100	
264	71.3	57.7 86.5
268	77.3	55.8 83.8

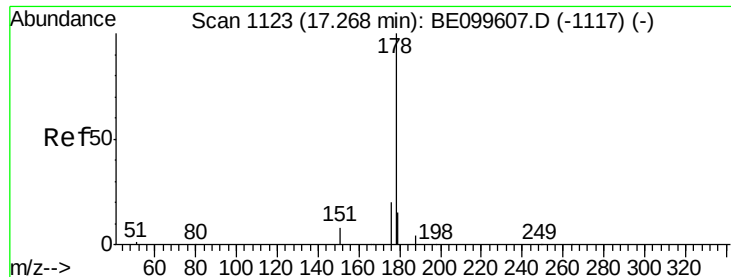


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

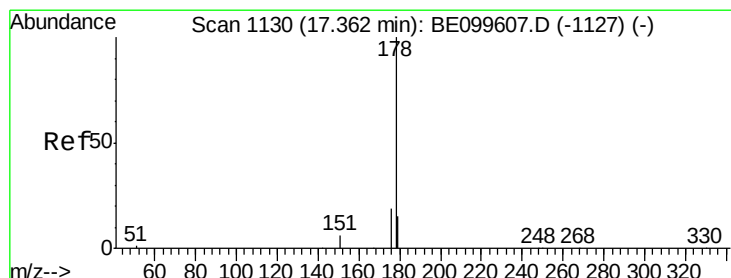
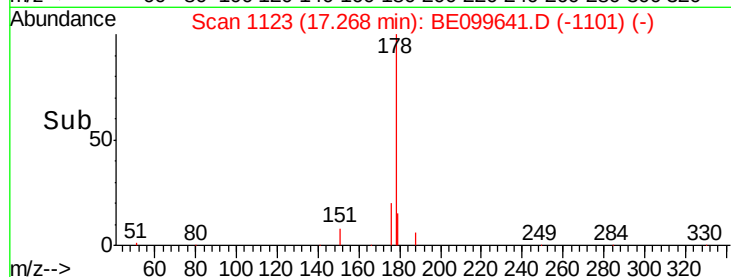
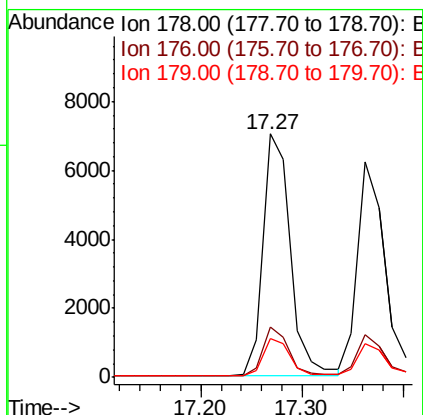
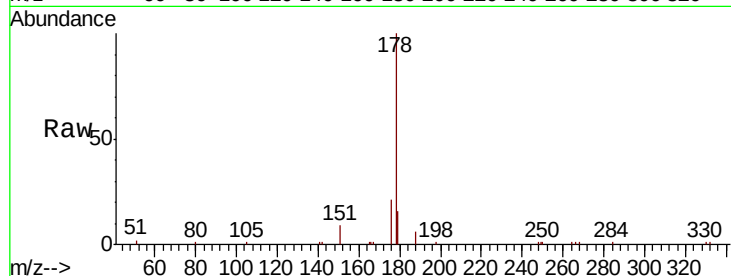




#23
Phenanthrene
Concen: 0.354 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099641.D
Acq: 17 May 2019 8:25

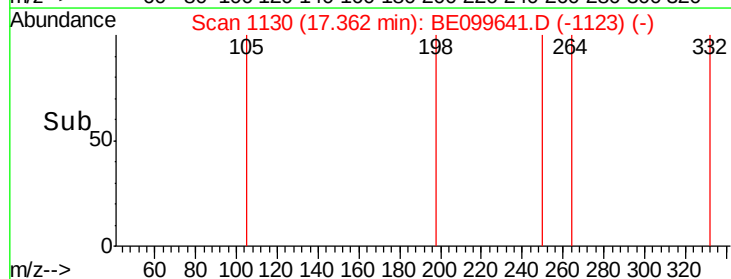
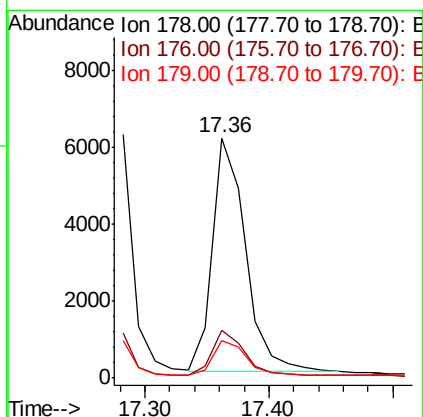
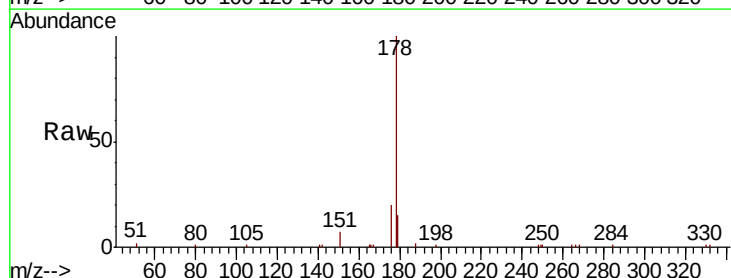
Instrument :
BNA_E
ClientSampleId :

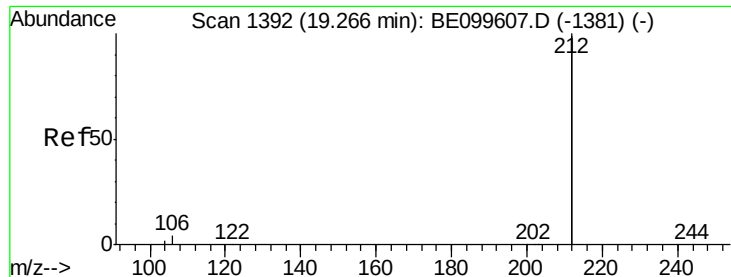
Tot Ion:178 Resp: 13142
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.5 12.2 18.2



#24
Anthracene
Concen: 0.328 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099641.D
Acq: 17 May 2019 8:25

Tgt Ion:178 Resp: 11238
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 15.1 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

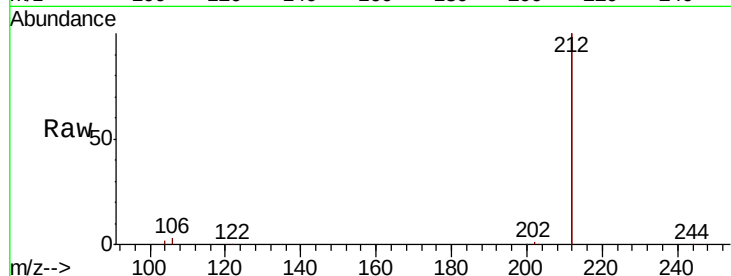
Tot Ion:212 Resp: 68478

Ion Ratio Lower Upper

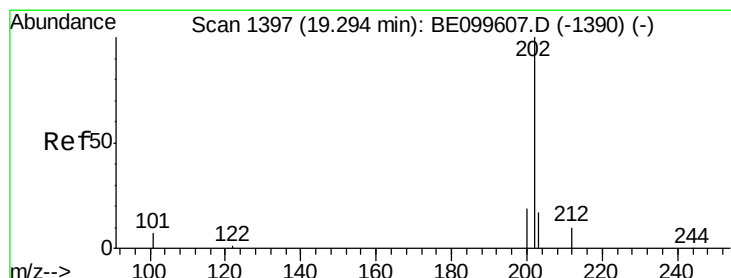
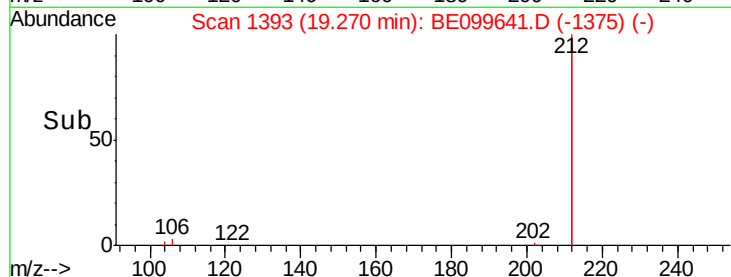
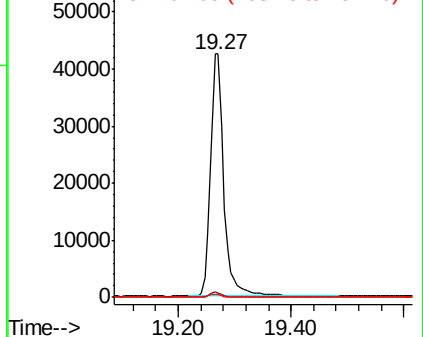
212 100

106 1.8 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: 0.351 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

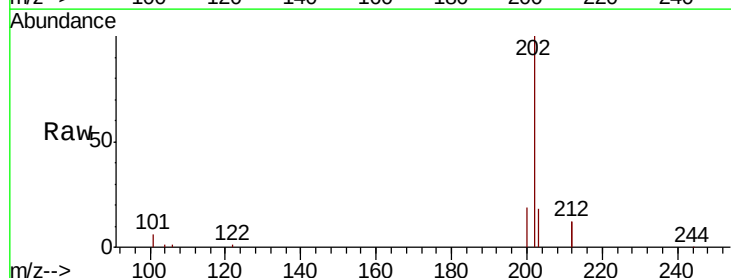
Tgt Ion:202 Resp: 19743

Ion Ratio Lower Upper

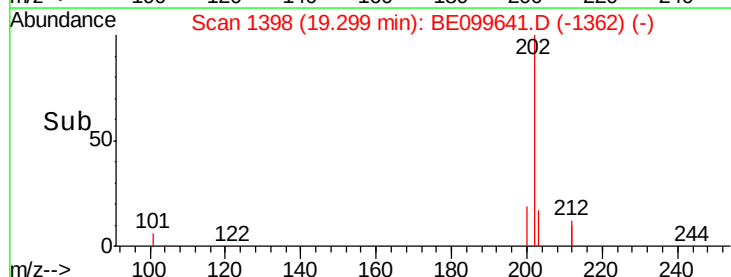
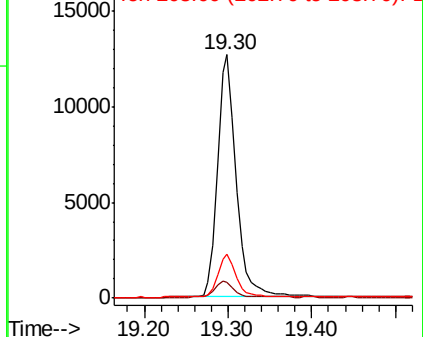
202 100

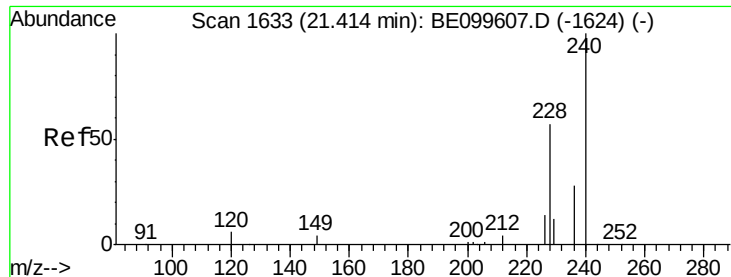
101 6.8 5.0 7.6

203 17.0 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: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampled :

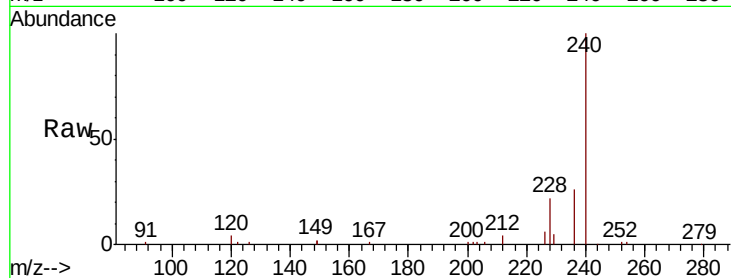
Tot Ion:240 Resp: 21046

Ion Ratio Lower Upper

240 100

120 3.6 5.7 8.5#

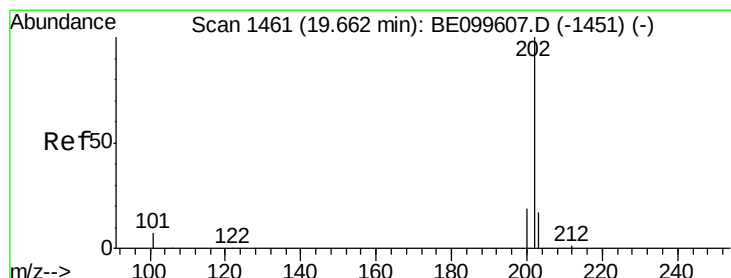
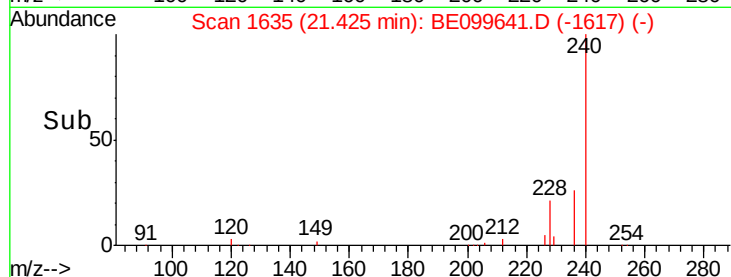
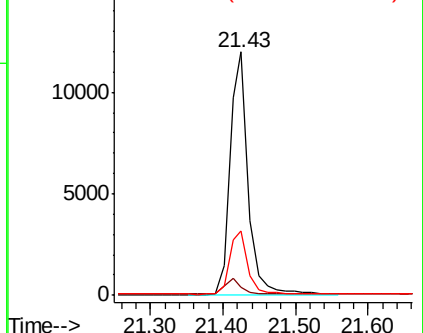
236 26.4 22.8 34.2



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: 0.383 ng

RT: 19.66 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

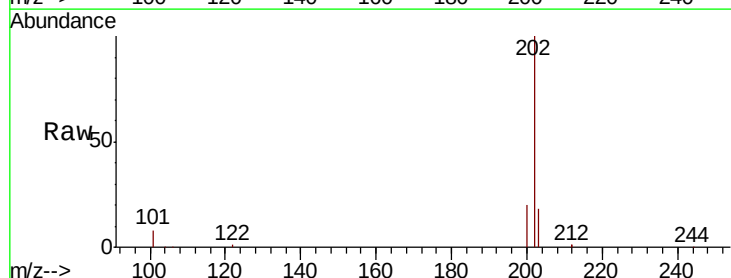
Tgt Ion:202 Resp: 20570

Ion Ratio Lower Upper

202 100

200 19.3 15.8 23.6

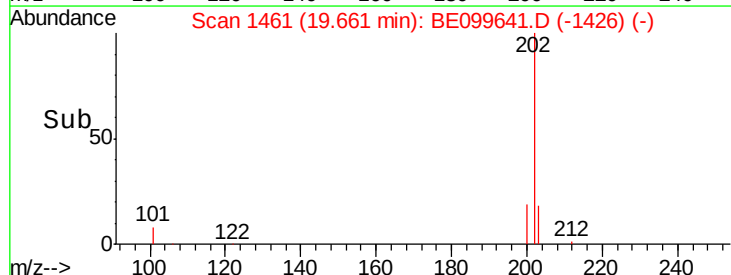
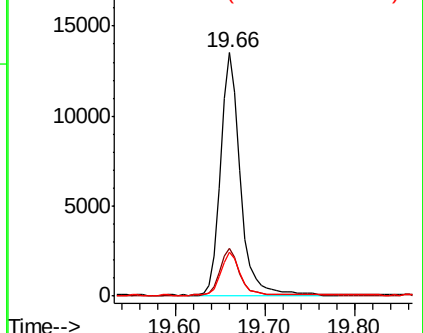
203 17.6 14.1 21.1

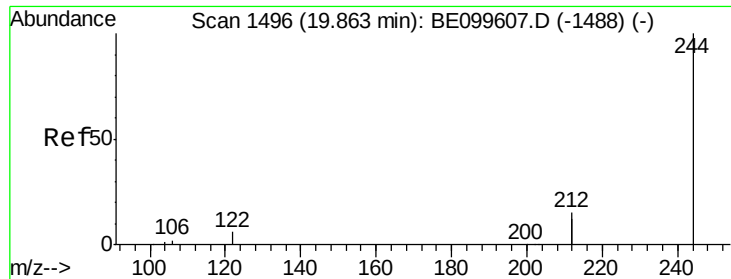


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.369 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

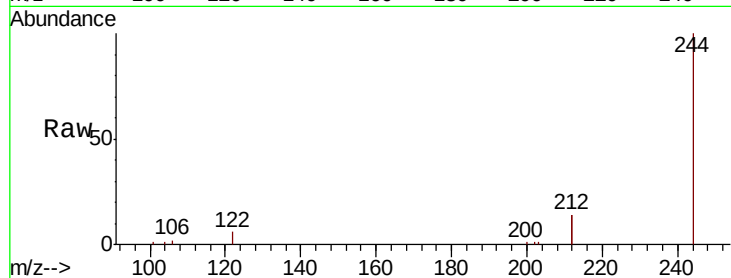
Tot Ion:244 Resp: 13979

Ion Ratio Lower Upper

244 100

212 28.2 23.8 35.6

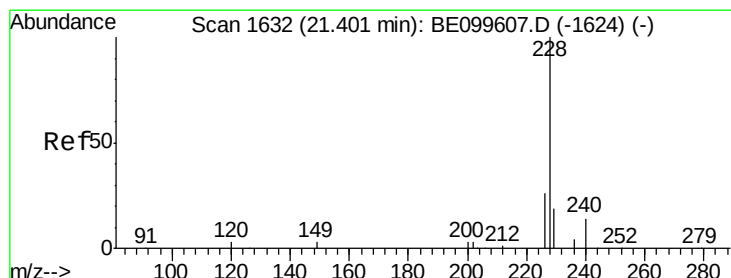
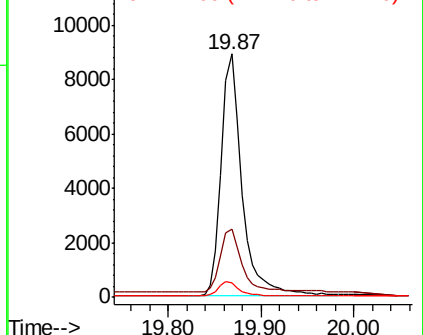
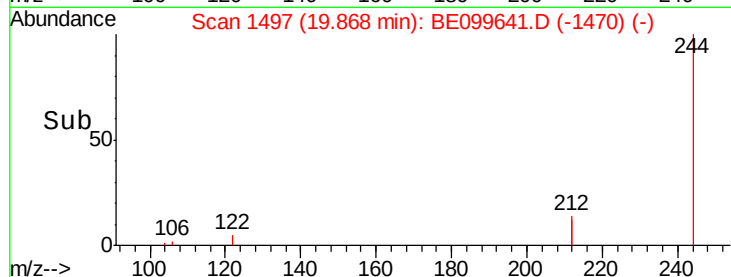
122 5.8 5.0 7.6



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: 0.401 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

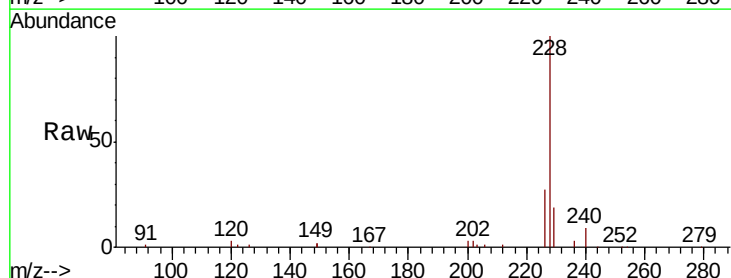
Tgt Ion:228 Resp: 25490

Ion Ratio Lower Upper

228 100

226 27.3 21.4 32.2

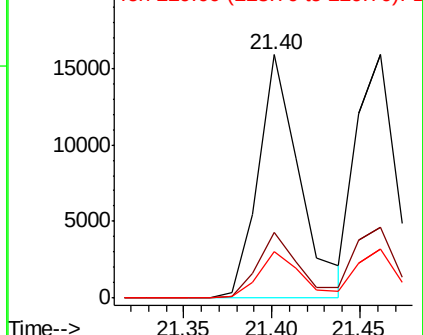
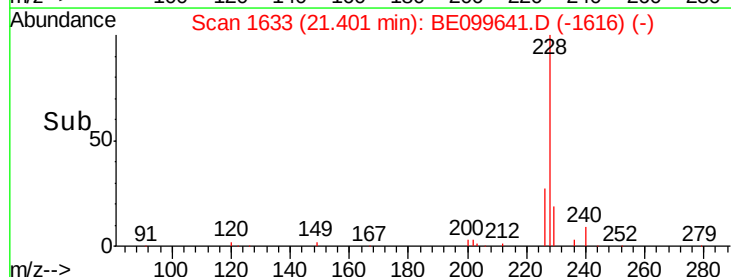
229 19.4 15.8 23.8

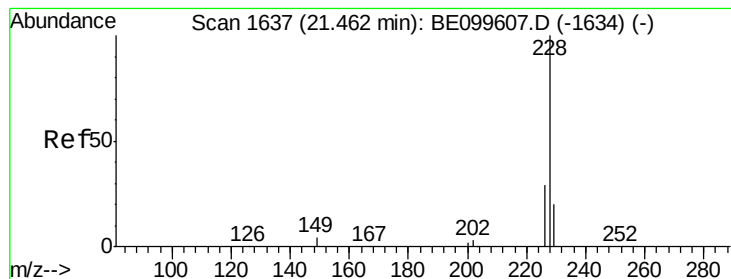


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.381 ng

RT: 21.46 min Scan# 1638

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampled :

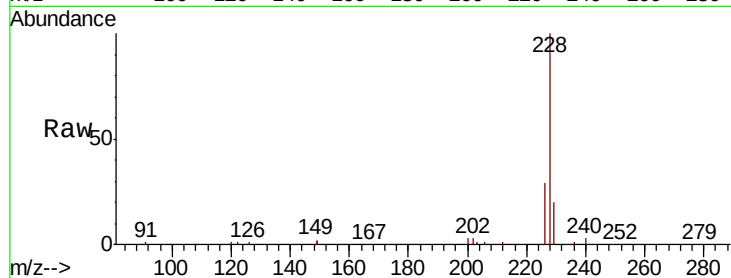
Tot Ion:228 Resp: 24982

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.4

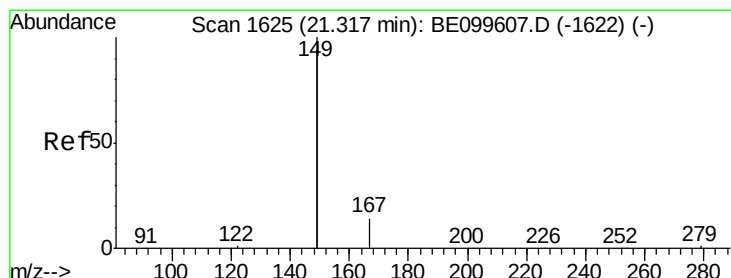
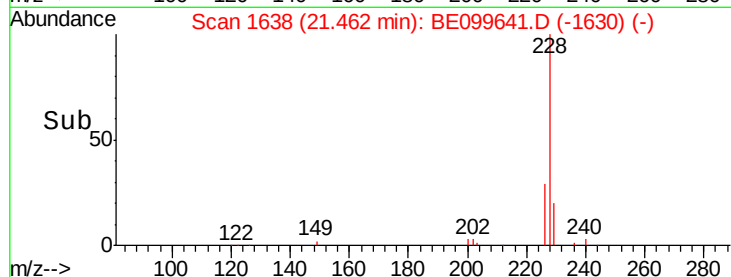
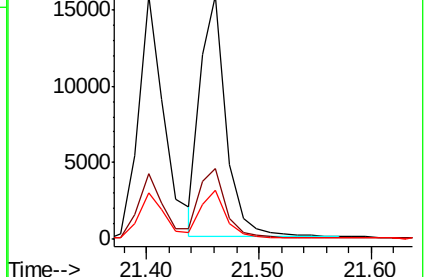
229 20.2 16.4 24.6



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: 0.318 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

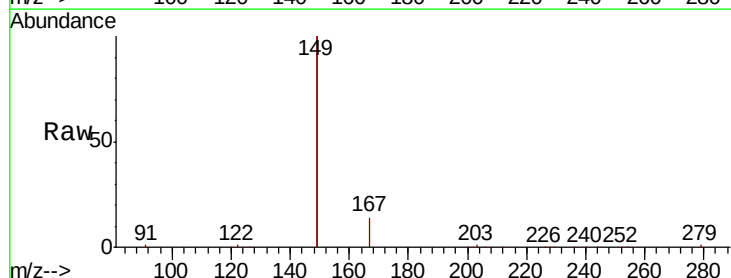
Tgt Ion:149 Resp: 31210

Ion Ratio Lower Upper

149 100

167 7.6 6.0 9.0

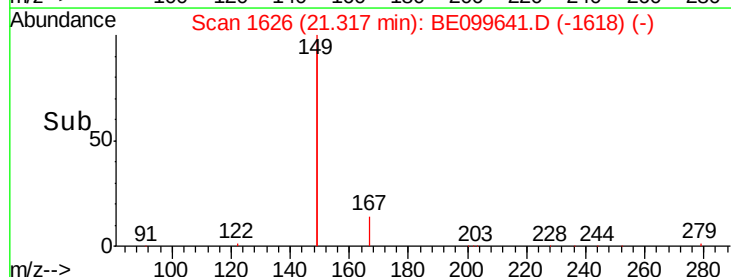
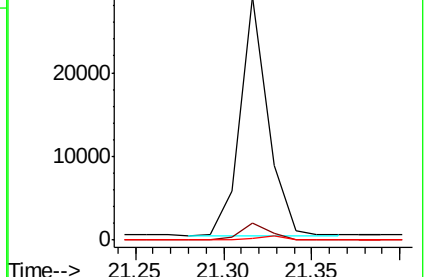
279 1.4 1.1 1.7

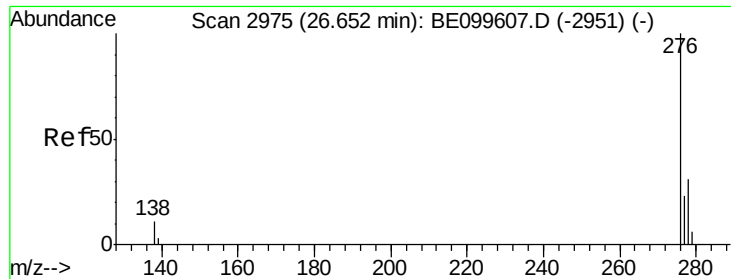


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

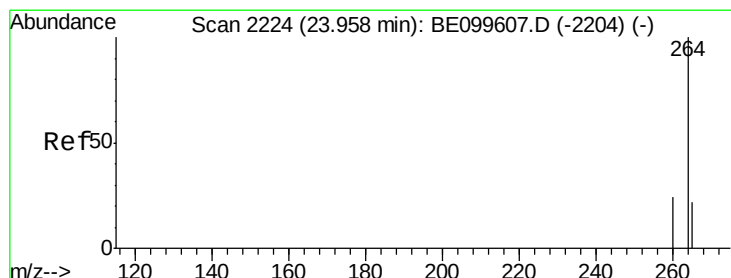
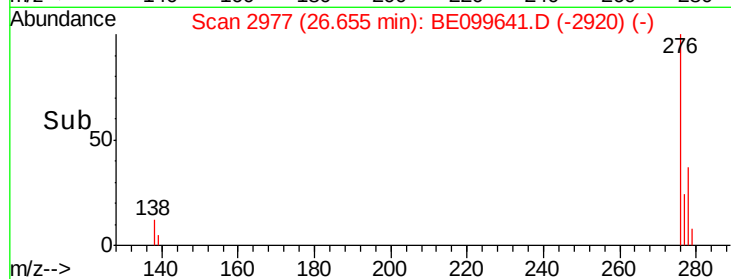
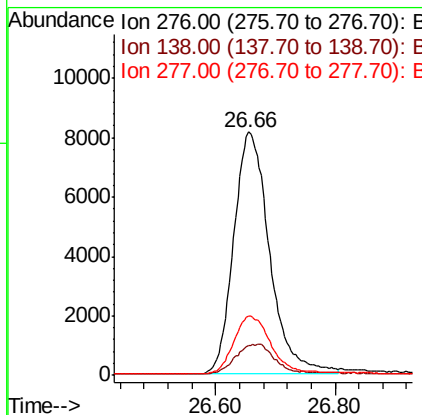
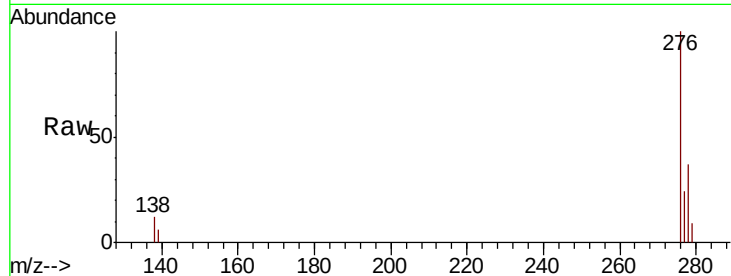




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.416 ng
 RT: 26.66 min Scan# 2977
 Delta R.T. 0.00 min
 Lab File: BE099641.D
 Acq: 17 May 2019 8:25

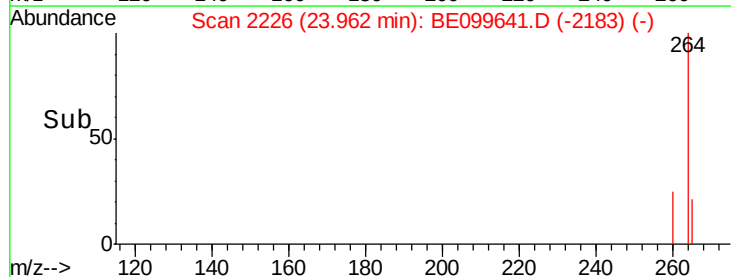
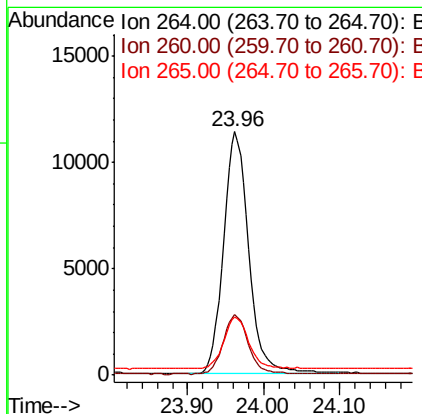
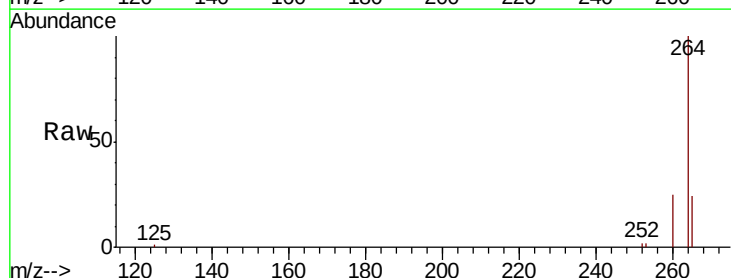
Instrument :
 BNA_E
 ClientSampleId :

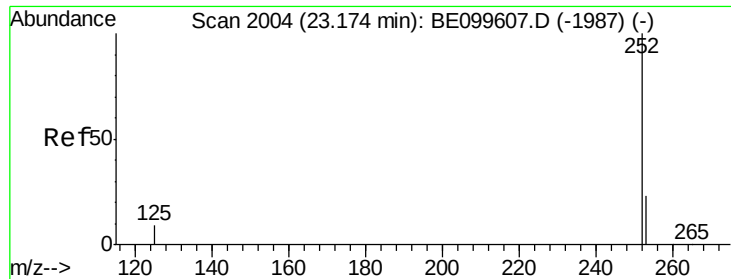
Tot Ion:276 Resp: 33929
 Ion Ratio Lower Upper
 276 100
 138 12.9 10.0 15.0
 277 24.9 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: BE099641.D
 Acq: 17 May 2019 8:25

Tgt Ion:264 Resp: 26326
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.7 29.5
 265 23.8 21.2 31.8





#35

Benzo(b)fluoranthene

Concen: 0.363 ng

RT: 23.18 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :

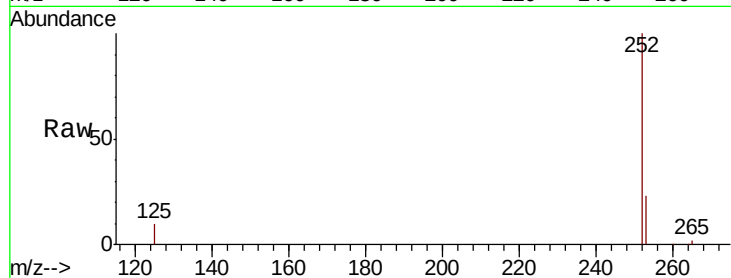
Tot Ion:252 Resp: 26690

Ion Ratio Lower Upper

252 100

253 22.9 19.1 28.7

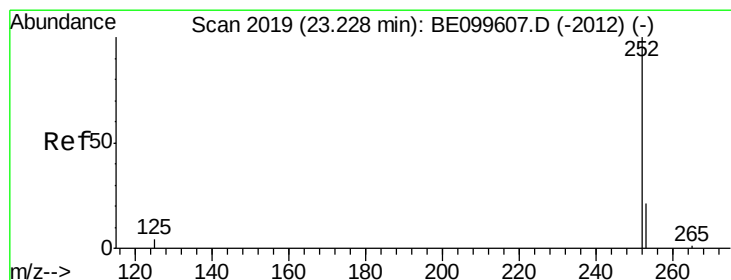
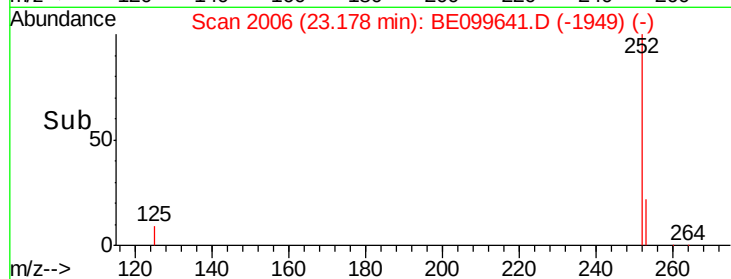
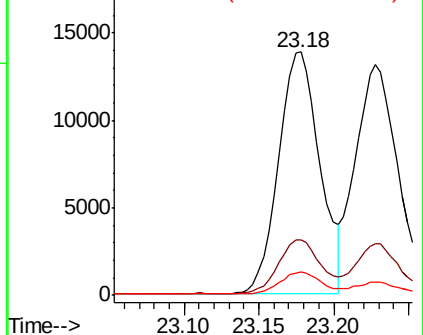
125 9.6 7.8 11.8



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: 0.367 ng

RT: 23.23 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

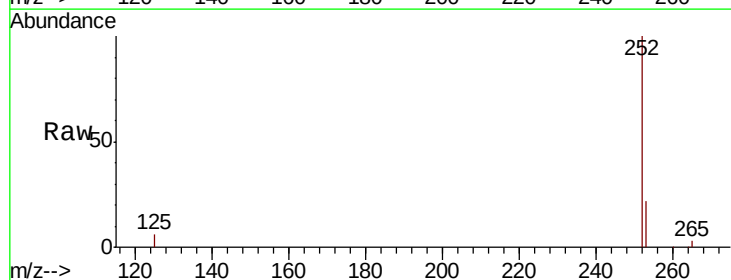
Tgt Ion:252 Resp: 26701

Ion Ratio Lower Upper

252 100

253 22.1 18.6 28.0

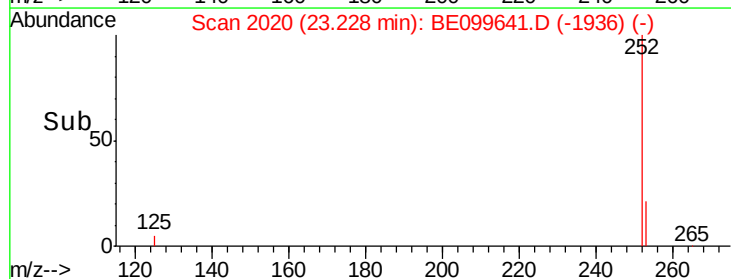
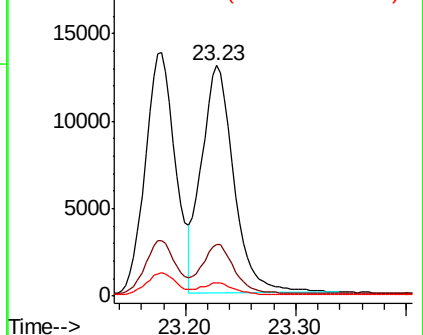
125 5.9 5.2 7.8

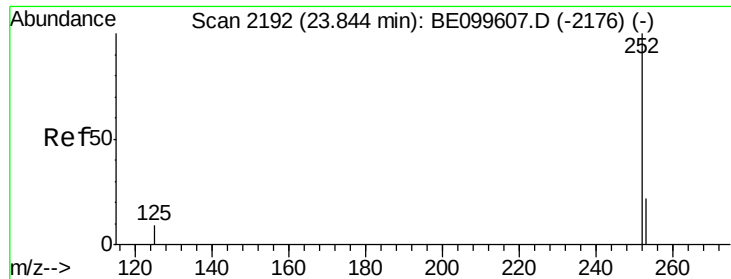


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.367 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampled :

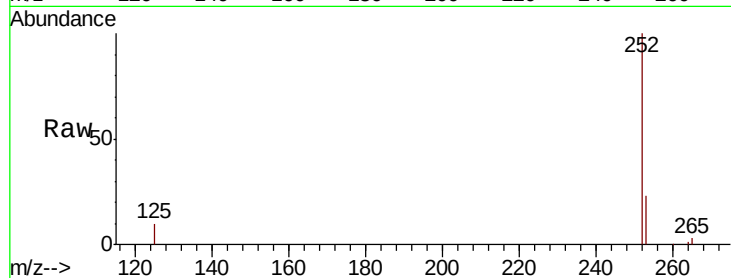
Tot Ion:252 Resp: 26133

Ion Ratio Lower Upper

252 100

253 23.2 19.0 28.6

125 9.9 8.8 13.2

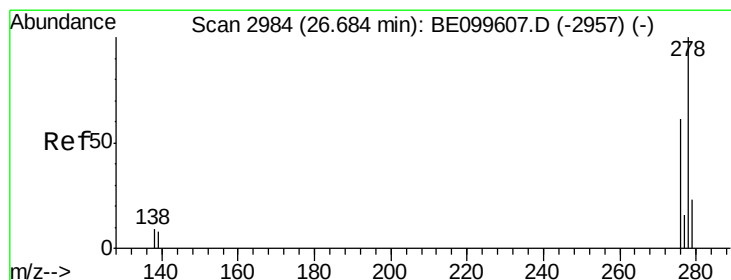
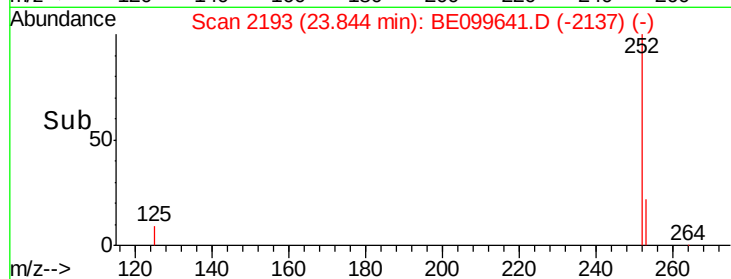
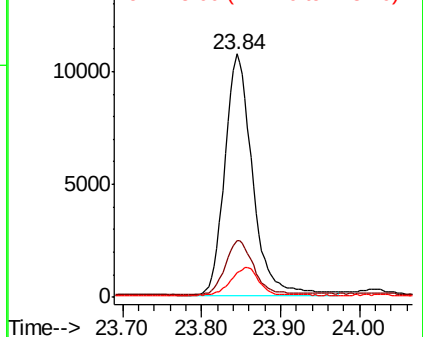


Abundance

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: 0.379 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BE099641.D

Acq: 17 May 2019 8:25

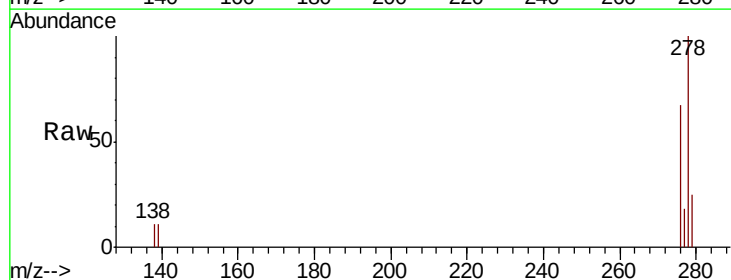
Tgt Ion:278 Resp: 27994

Ion Ratio Lower Upper

278 100

139 11.0 7.9 11.9

279 24.5 19.5 29.3

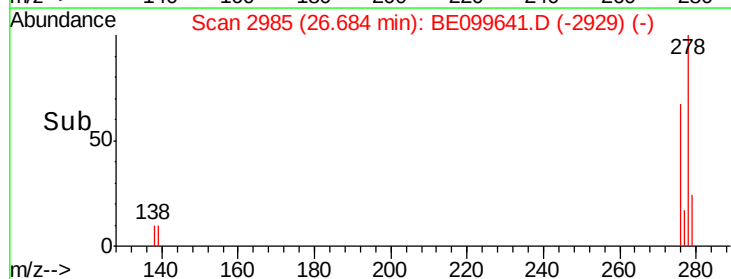
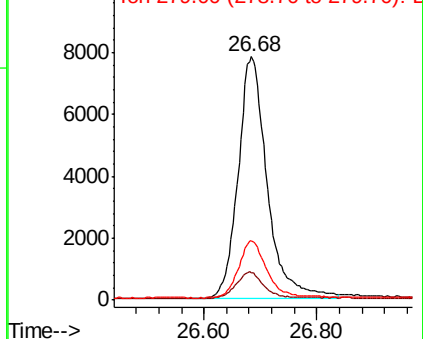


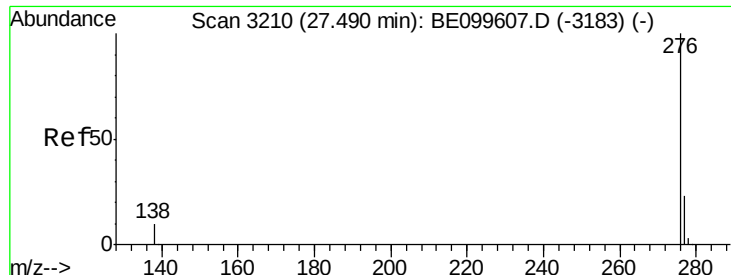
Abundance

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: 0.377 ng

RT: 27.49 min Scan# 3210

Delta R.T. -0.00 min

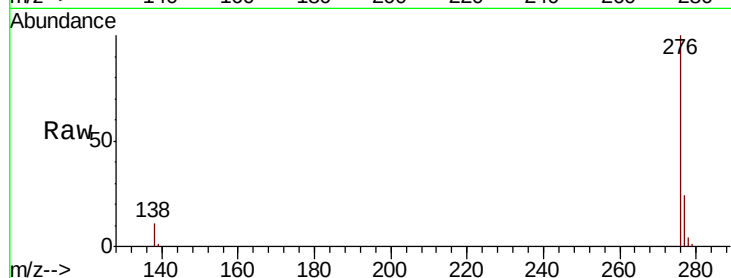
Lab File: BE099641.D

Acq: 17 May 2019 8:25

Instrument :

BNA_E

ClientSampleId :



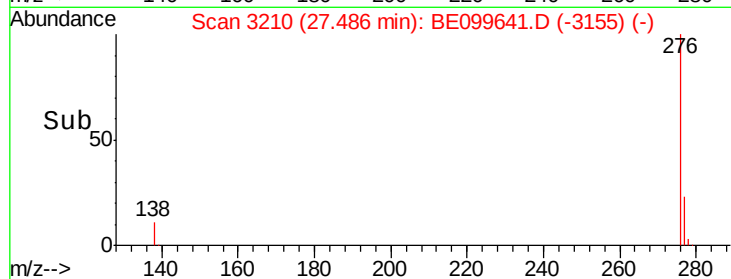
Tot Ion: 276 Resp: 28048

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 11.3 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

