

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060419\
 Data File : BE099793.D
 Acq On : 4 Jun 2019 9:38
 Operator : JU/SJ
 Sample : PB120277BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 04 11:50:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1587	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	5303	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3404	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	10047	0.40	ng	0.00
27) Chrysene-d12	21.40	240	19288	0.40	ng	-0.01
34) Perylene-d12	23.94	264	23431	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1350	0.34	ng	0.00
5) Phenol-d6	6.96	99	1640	0.31	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1401	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4018	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	15.98	330	504	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4399	0.34	ng	0.00
25) Fluoranthene-d10	19.26	212	50400	0.37	ng	0.00
29) Terphenyl-d14	19.86	244	11017	0.32	ng	-0.01

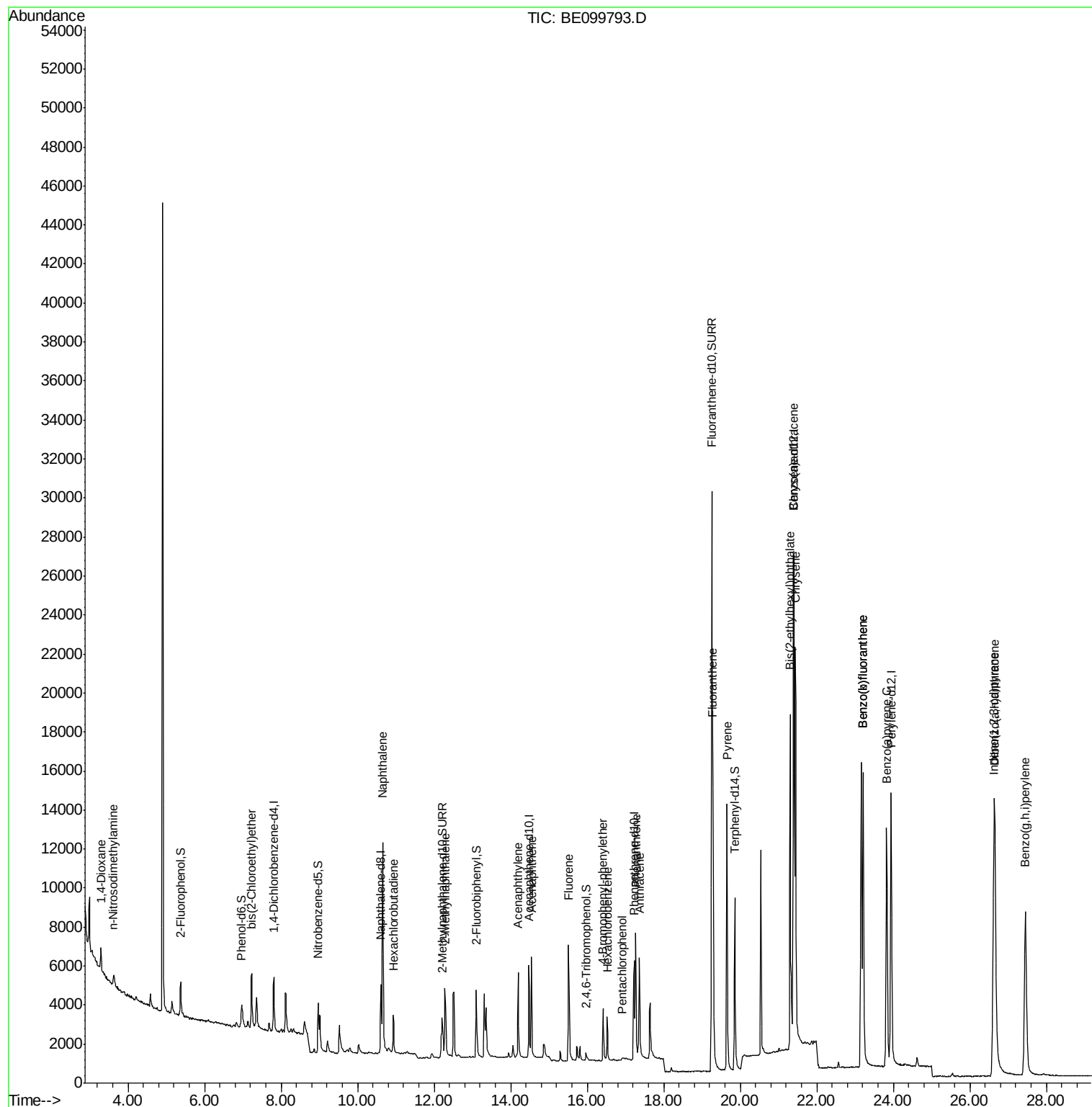
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	802	0.341	ng	# 54
3) n-Nitrosodimethylamine	3.61	42	471	0.363	ng	# 86
6) bis(2-Chloroethyl)ether	7.23	93	1578	0.334	ng	97
9) Naphthalene	10.65	128	19940	0.352	ng	99
10) Hexachlorobutadiene	10.93	225	1514	0.363	ng	97
12) 2-Methylnaphthalene	12.28	142	3043	0.329	ng	98
16) Acenaphthylene	14.20	152	5566	0.351	ng	98
17) Acenaphthene	14.54	154	3051	0.343	ng	99
18) Fluorene	15.51	166	4291	0.327	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	2031	0.351	ng	# 85
21) Hexachlorobenzene	16.52	284	2139	0.361	ng	99
22) Pentachlorophenol	16.92	266	265	0.328	ng	93
23) Phenanthrene	17.27	178	8122	0.331	ng	100
24) Anthracene	17.36	178	7190	0.323	ng	100
26) Fluoranthene	19.28	202	14840	0.382	ng	99
28) Pyrene	19.65	202	15583	0.322	ng	100
30) Benzo(a)anthracene	21.39	228	21207	0.387	ng	100
31) Chrysene	21.44	228	22573	0.385	ng	100
32) Bis(2-ethylhexyl)phthalate	21.31	149	20544	0.325	ng	99
33) Indeno(1,2,3-cd)pyrene	26.62	276	29171	0.412	ng	100
35) Benzo(b)fluoranthene	23.21	252	26003	0.405	ng	99
36) Benzo(k)fluoranthene	23.21	252	25943	0.388	ng	100
37) Benzo(a)pyrene	23.82	252	23984	0.388	ng	# 97
38) Dibenzo(a,h)anthracene	26.66	278	23360	0.360	ng	98
39) Benzo(g,h,i)perylene	27.45	276	24959	0.381	ng	99

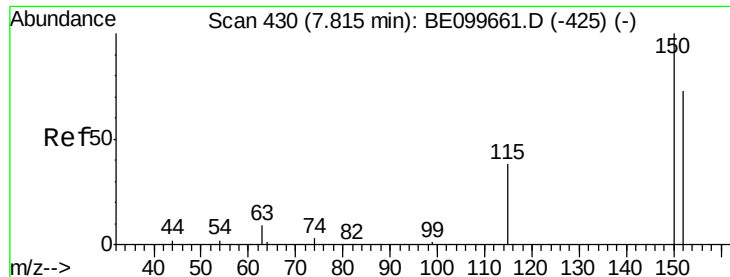
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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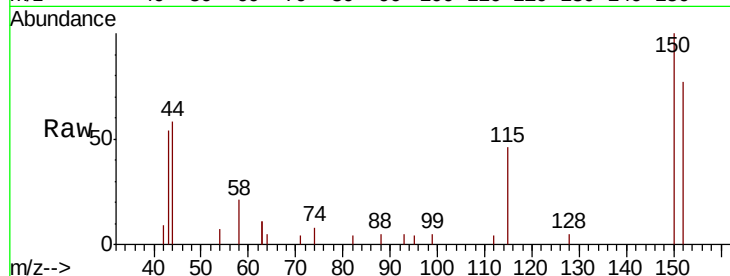


#1

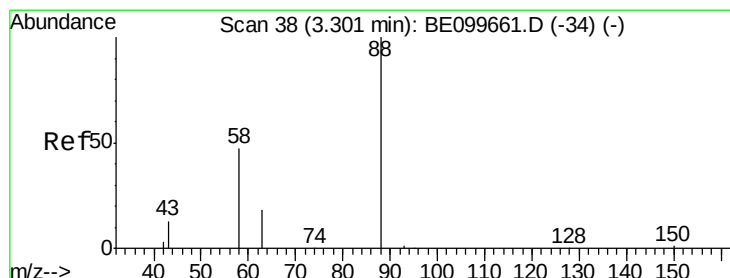
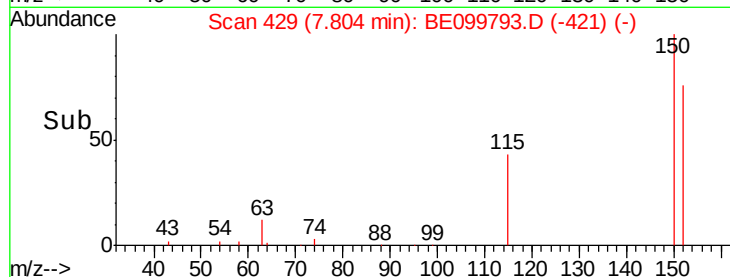
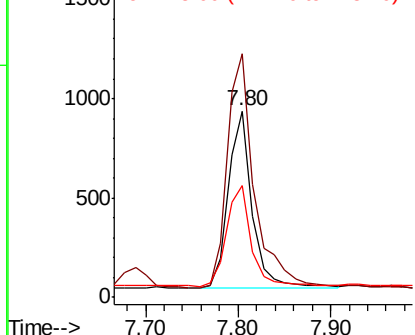
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1587
Ion Ratio Lower Upper
152 100
150 130.5 109.2 163.8
115 59.6 43.7 65.5



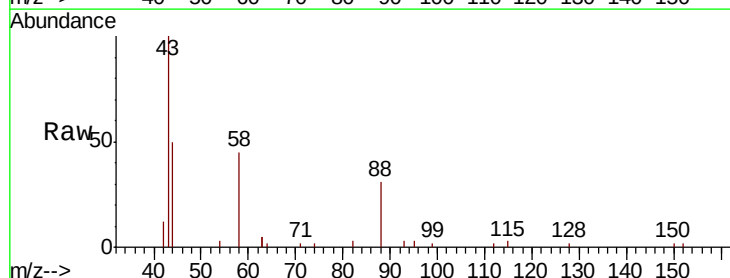
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



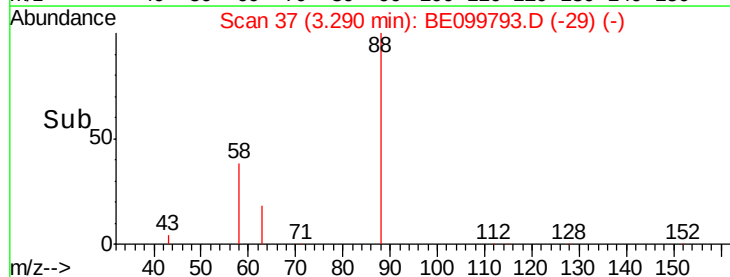
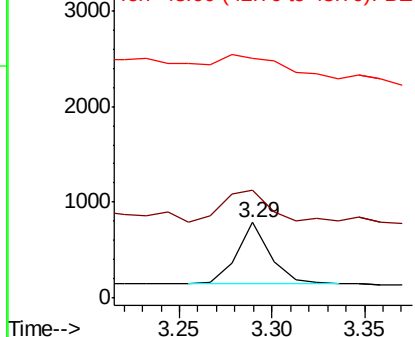
#2

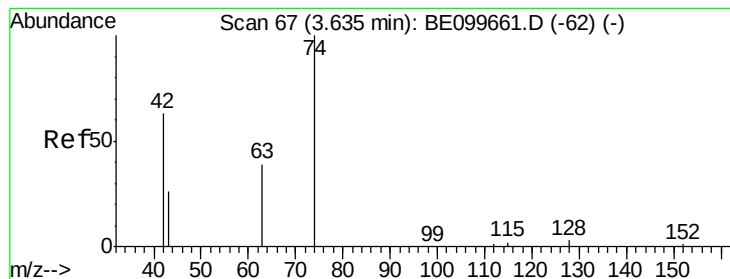
1,4-Dioxane
Concen: 0.341 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Tgt Ion: 88 Resp: 802
Ion Ratio Lower Upper
88 100
58 70.3 41.8 62.8#
43 64.5 15.0 22.4#



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: 0.363 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

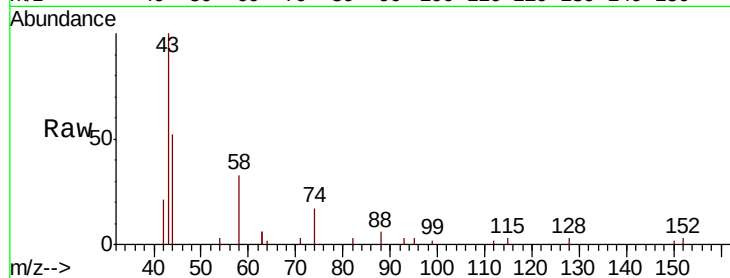
Tot Ion: 42 Resp: 471

Ion Ratio Lower Upper

42 100

74 180.7 129.2 193.8

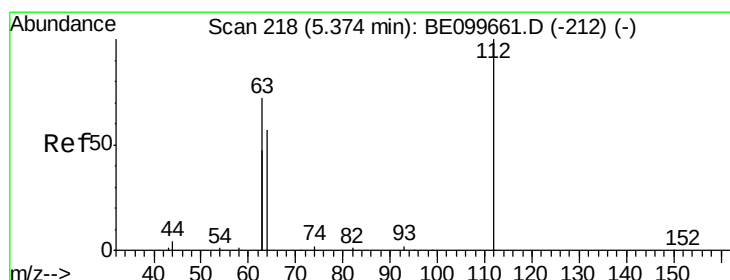
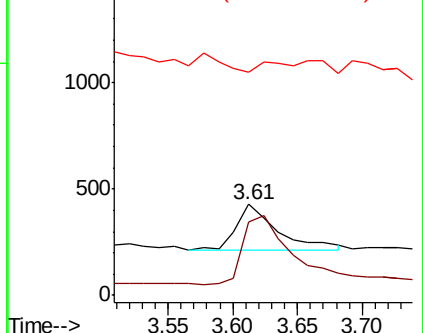
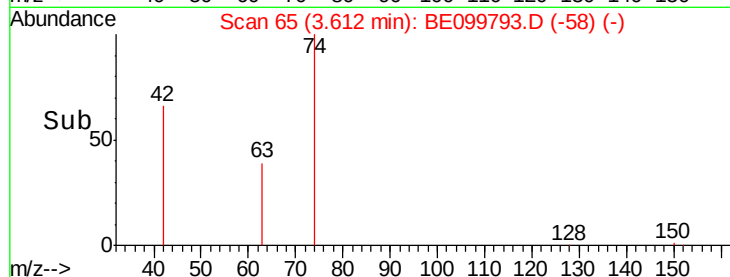
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.337 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

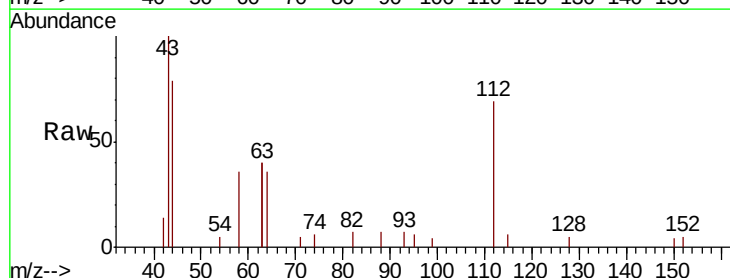
Tgt Ion: 112 Resp: 1350

Ion Ratio Lower Upper

112 100

64 53.1 43.4 65.2

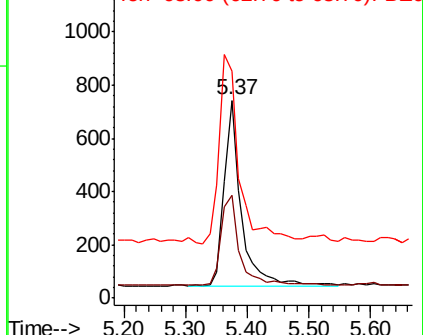
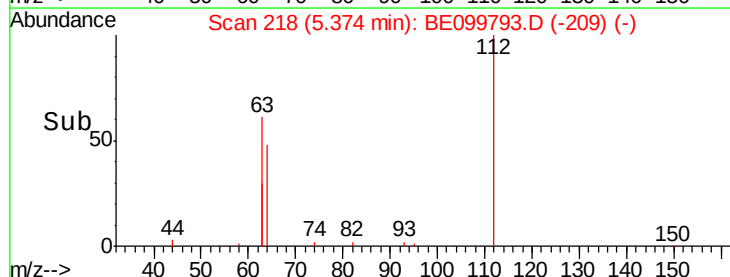
63 116.7 96.9 145.3

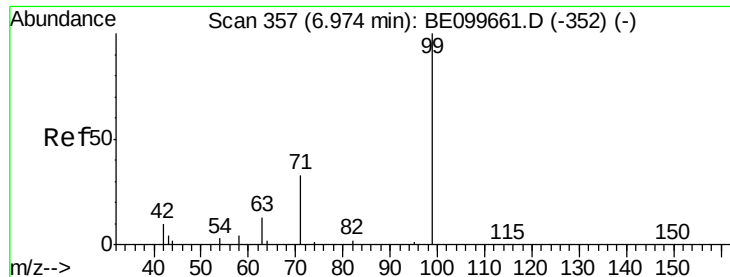


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.309 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

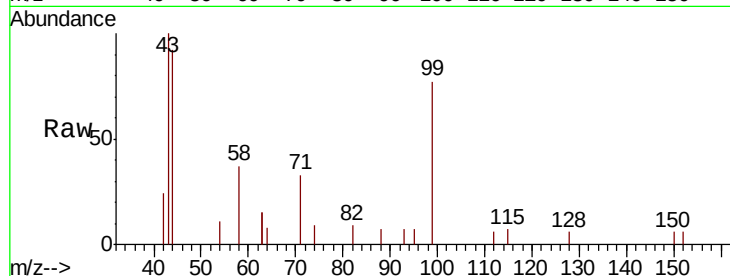
Tot Ion: 99 Resp: 1640

Ion Ratio Lower Upper

99 100

42 20.9 12.2 18.2#

71 34.8 28.9 43.3



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

6.96

800

600

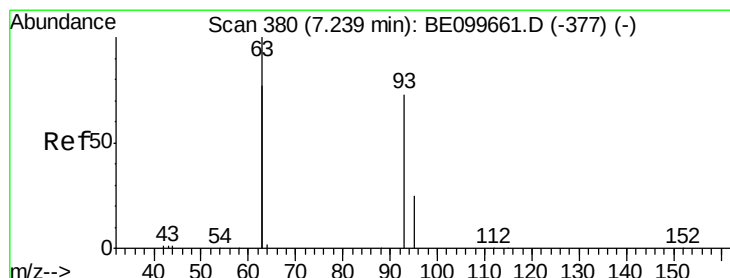
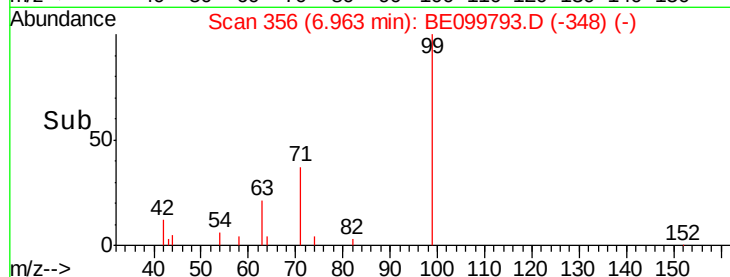
400

200

0

6.80 6.90 7.00 7.10 7.20

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.334 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

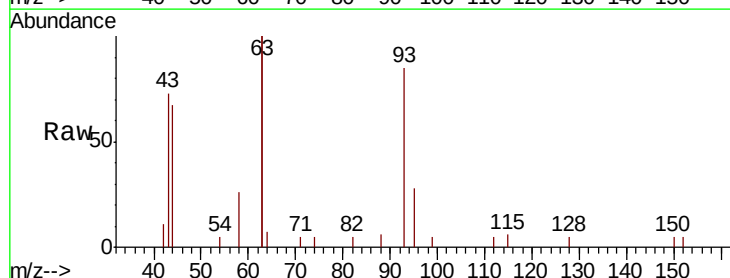
Tgt Ion: 93 Resp: 1578

Ion Ratio Lower Upper

93 100

63 254.5 207.8 311.6

95 31.6 25.9 38.9



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

7.23

2500

2000

1500

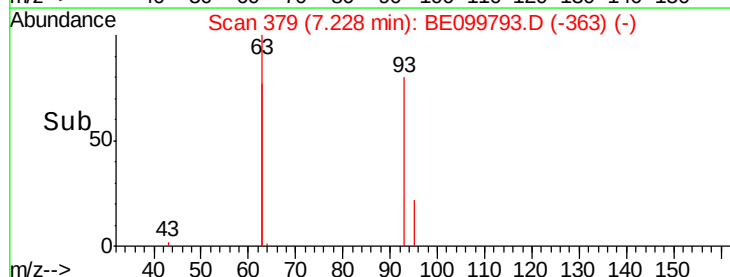
1000

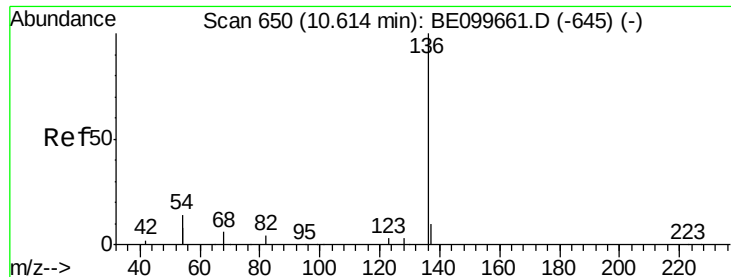
500

0

7.20 7.30

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5303

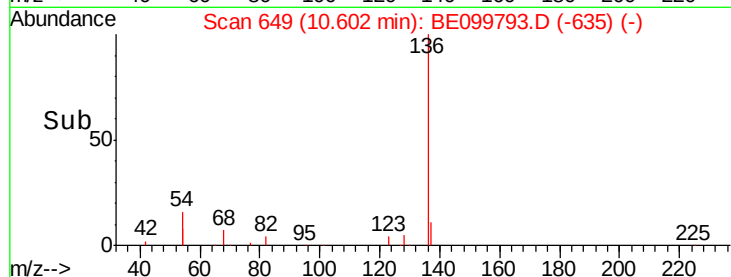
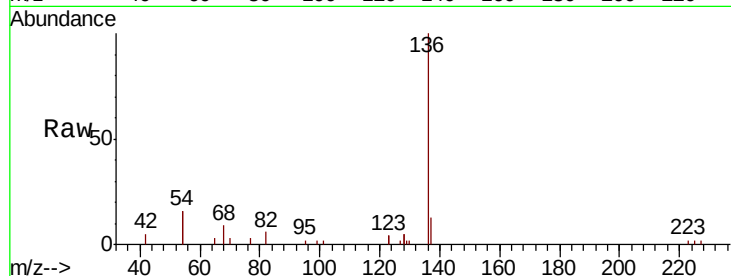
Ion Ratio Lower Upper

136 100

137 12.6 9.0 13.6

54 32.3 22.3 33.5

68 8.9 6.0 9.0

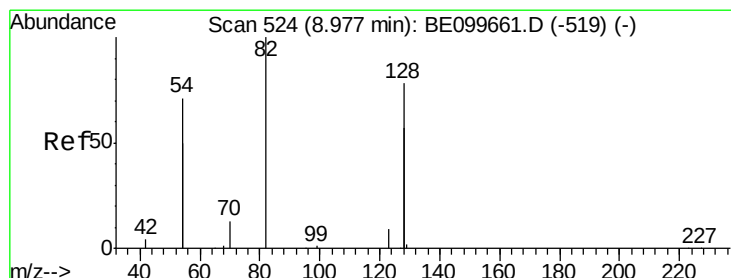
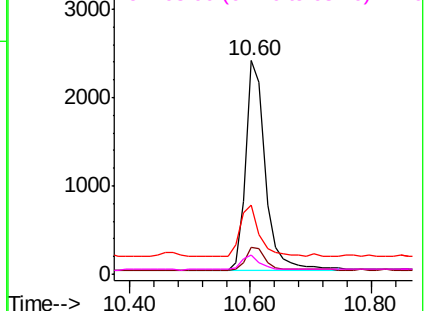


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.305 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

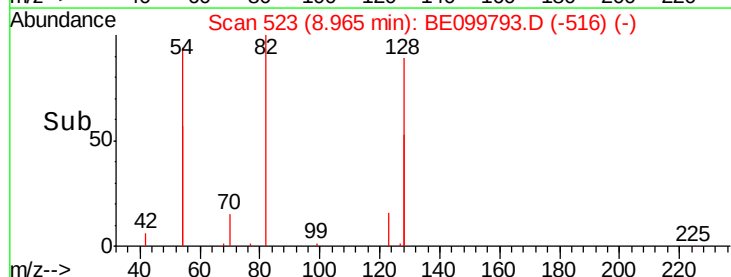
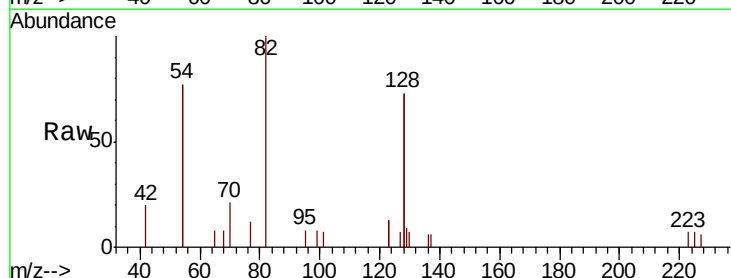
Tgt Ion: 82 Resp: 1401

Ion Ratio Lower Upper

82 100

128 146.6 117.7 176.5

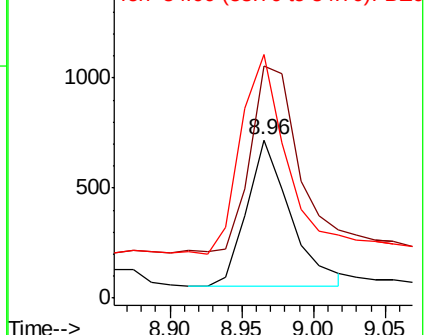
54 153.8 106.6 160.0

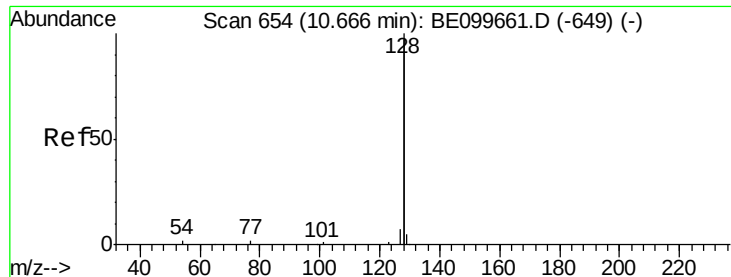


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.352 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampled :

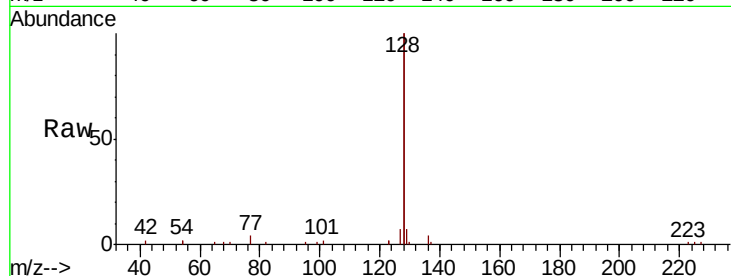
Tot Ion:128 Resp: 19940

Ion Ratio Lower Upper

128 100

129 3.4 2.4 3.6

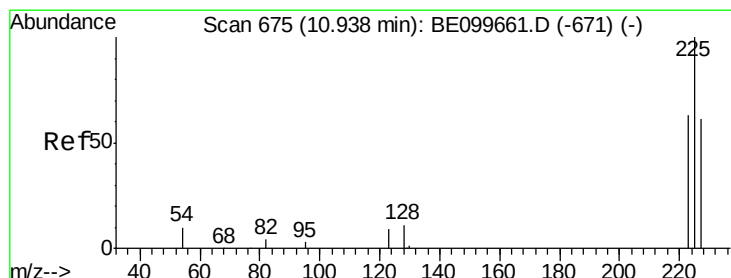
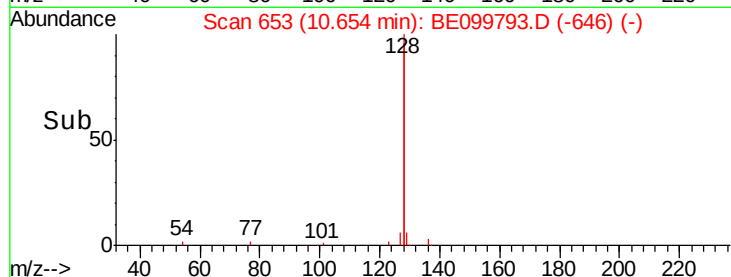
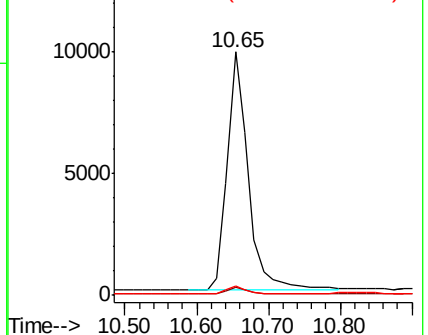
127 3.7 2.9 4.3



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: 0.363 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

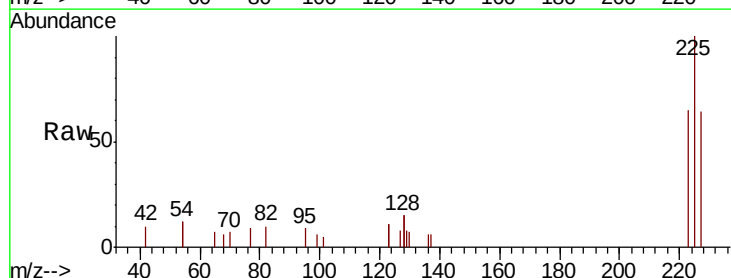
Tgt Ion:225 Resp: 1514

Ion Ratio Lower Upper

225 100

223 60.9 51.8 77.6

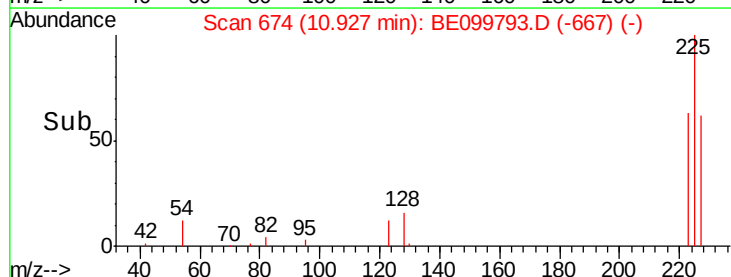
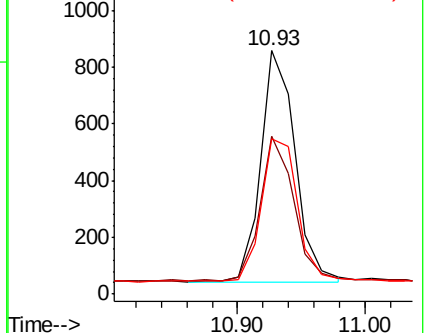
227 65.5 52.6 79.0

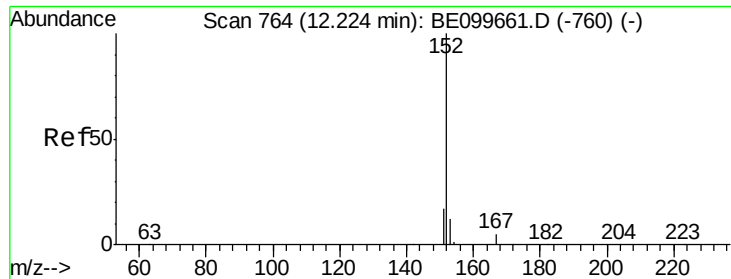


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

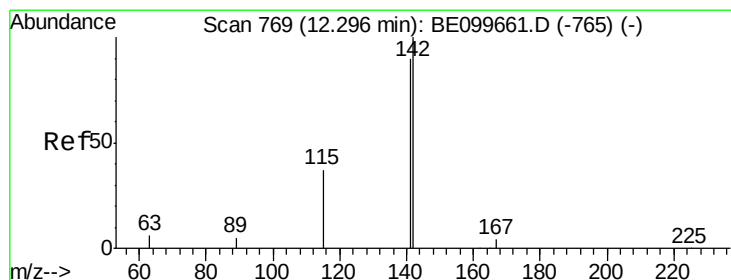
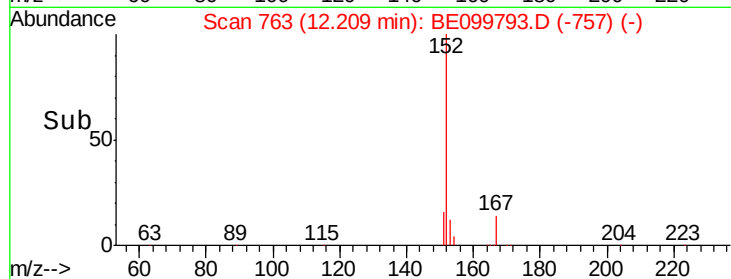
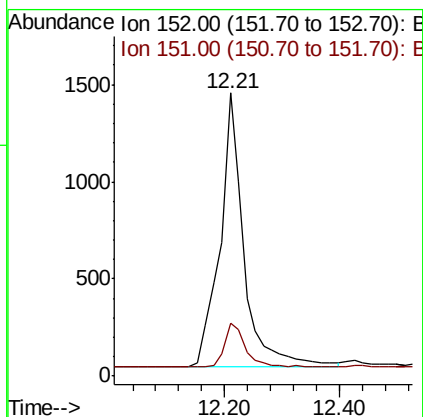
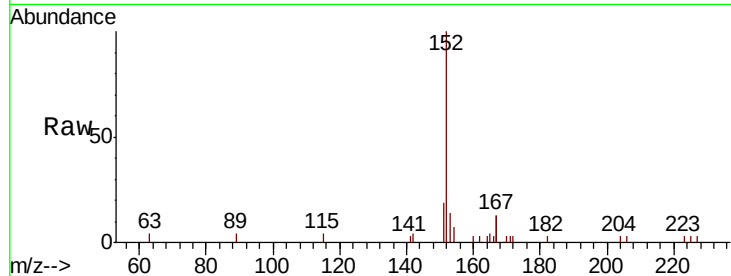




#11
 2-Methylnaphthalene-d10
 Concen: 0.439 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099793.D
 Acq: 4 Jun 2019 9:38

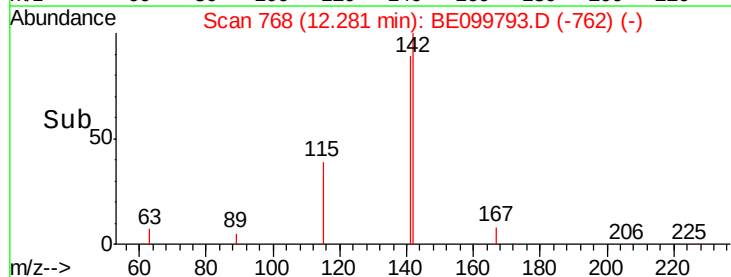
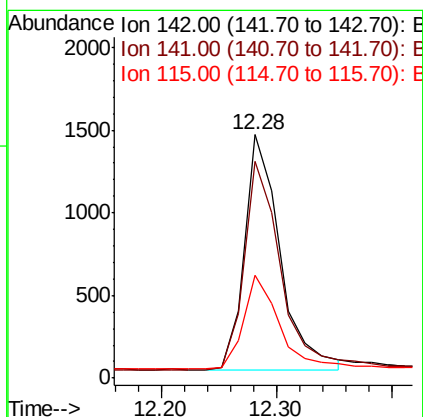
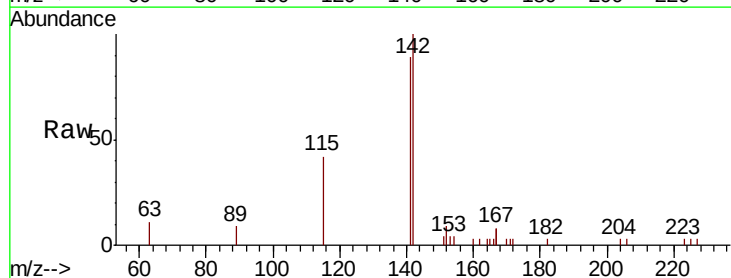
Instrument :
 BNA_E
 ClientSampleId :

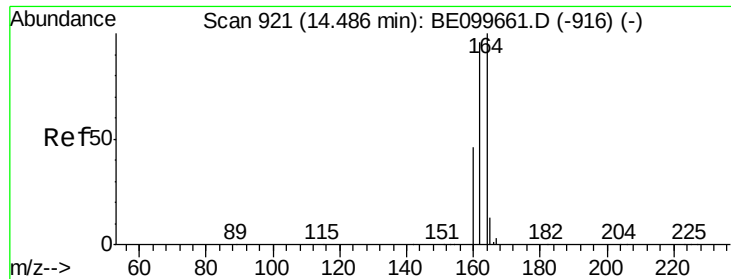
Tot Ion:152 Resp: 4018
 Ion Ratio Lower Upper
 152 100
 151 14.0 15.0 22.4#



#12
 2-Methylnaphthalene
 Concen: 0.329 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BE099793.D
 Acq: 4 Jun 2019 9:38

Tgt Ion:142 Resp: 3043
 Ion Ratio Lower Upper
 142 100
 141 89.0 72.0 108.0
 115 42.1 31.0 46.4

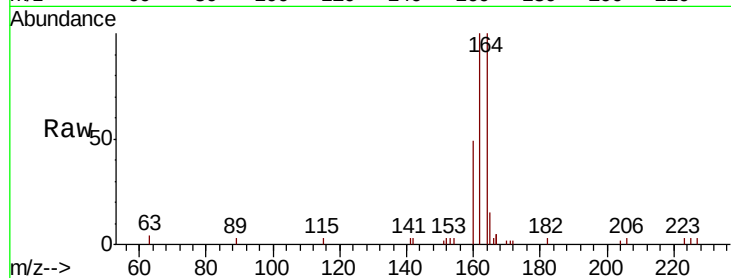




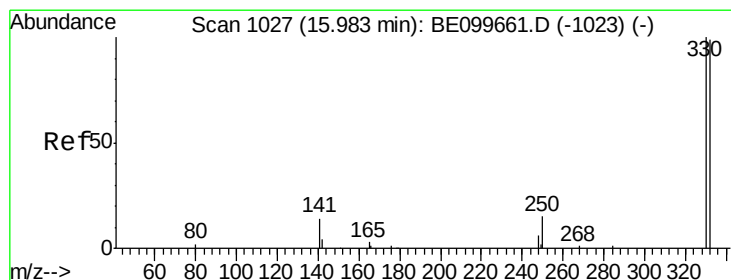
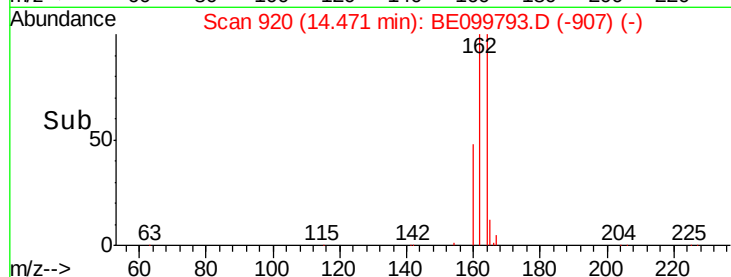
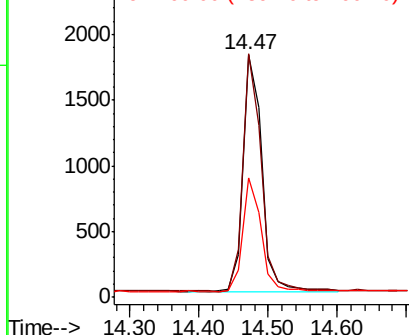
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3404
Ion Ratio Lower Upper
164 100
162 100.3 76.5 114.7
160 49.0 37.4 56.2

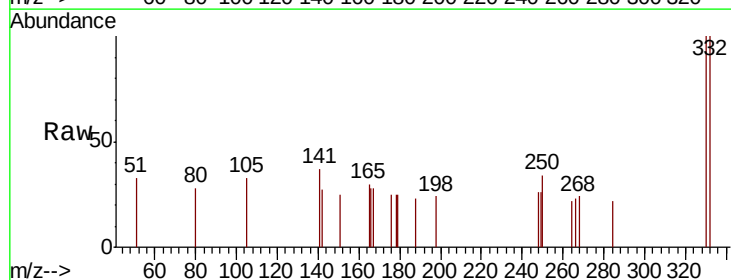


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

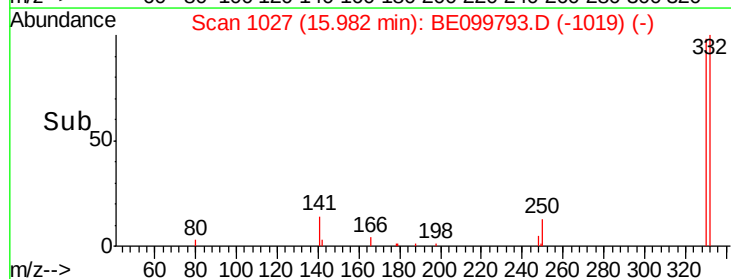
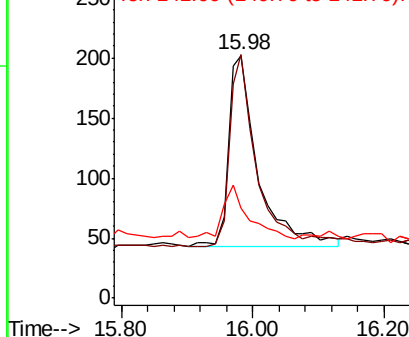


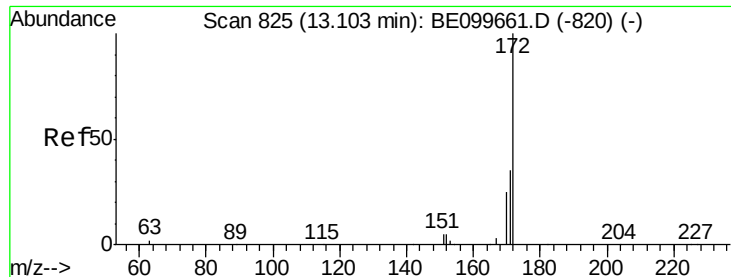
#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Tgt Ion:330 Resp: 504
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 24.2 18.9 28.3



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

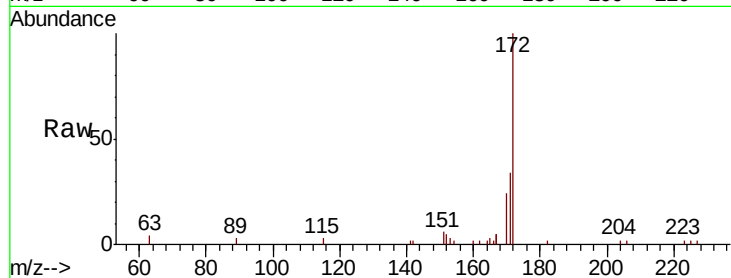




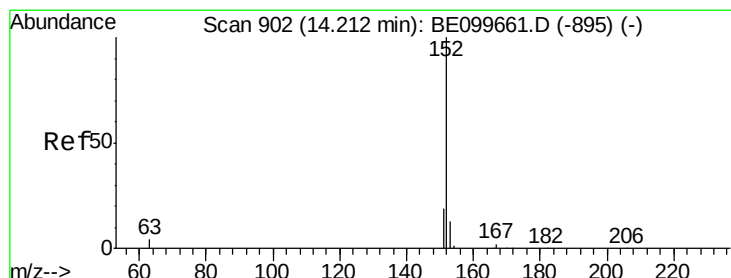
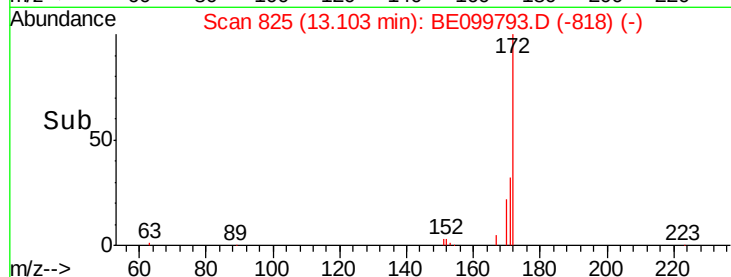
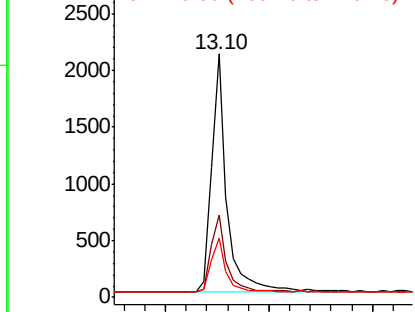
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4399
Ion Ratio Lower Upper
172 100
171 34.0 28.7 43.1
170 24.2 20.9 31.3

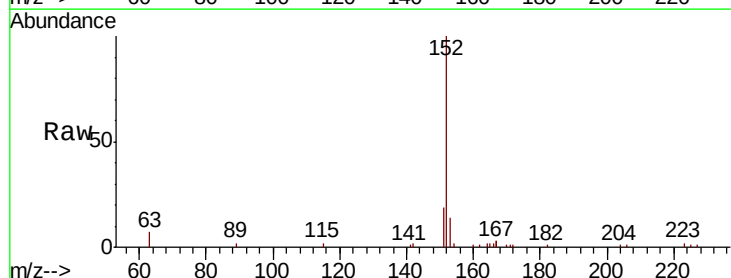


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

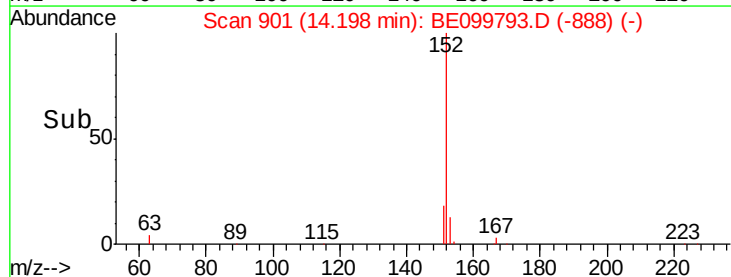
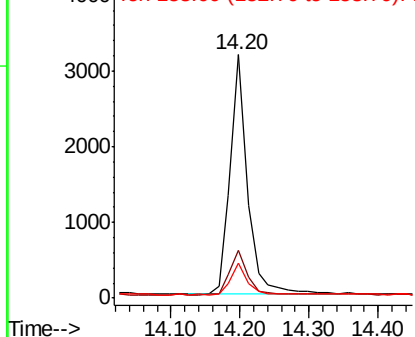


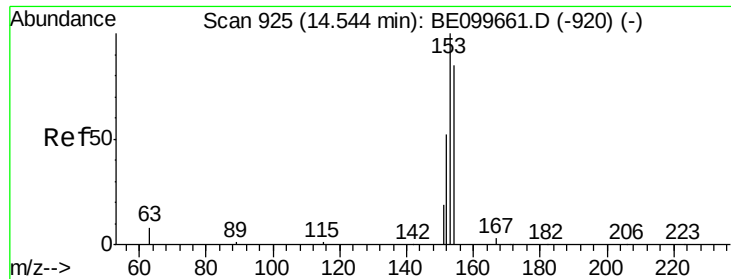
#16
Acenaphthylene
Concen: 0.351 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Tgt Ion:152 Resp: 5566
Ion Ratio Lower Upper
152 100
151 18.8 15.9 23.9
153 12.8 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

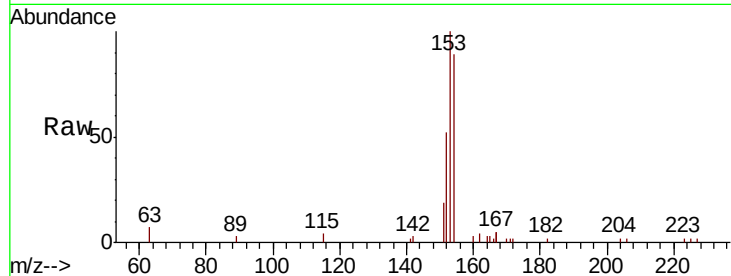




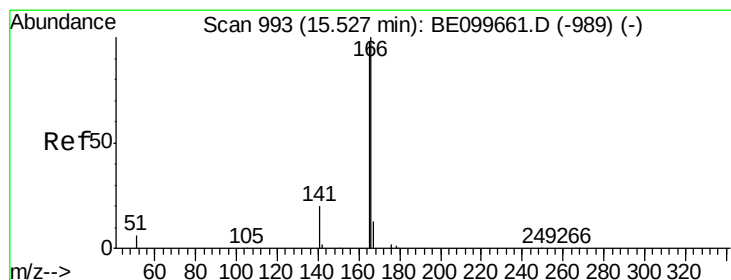
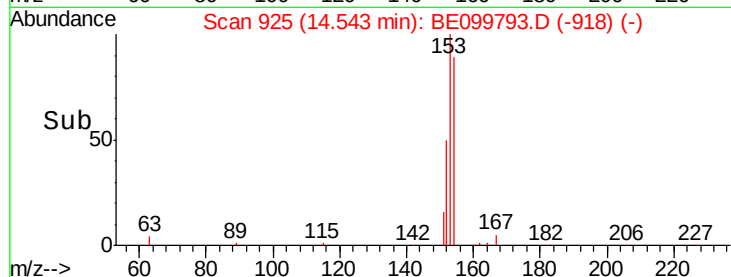
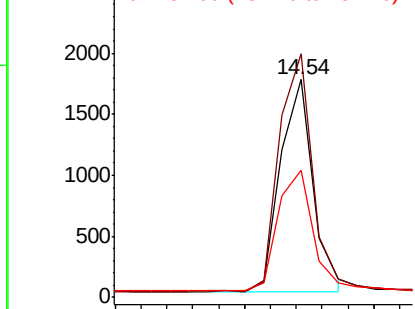
#17
Acenaphthene
Concen: 0.343 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 3051
Ion Ratio Lower Upper
154 100
153 114.6 91.8 137.6
152 60.5 46.0 69.0

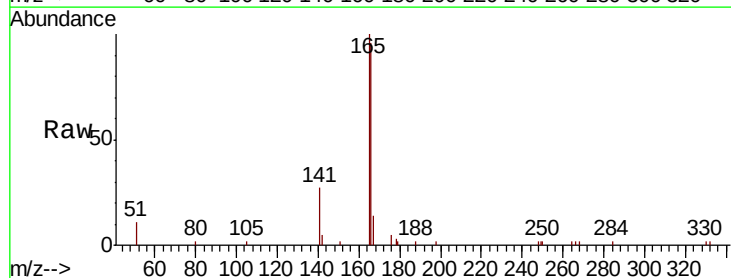


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

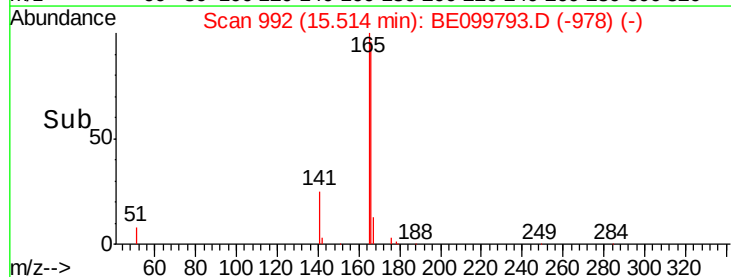
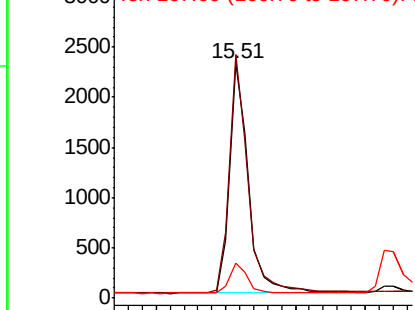


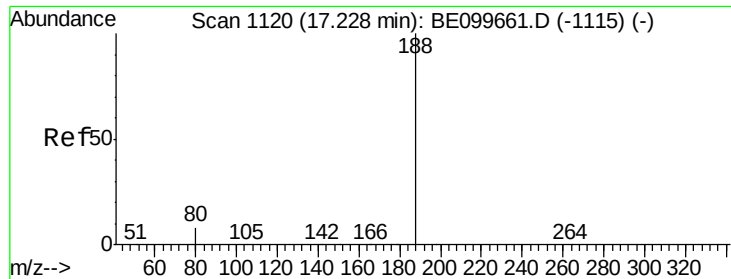
#18
Fluorene
Concen: 0.327 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Tgt Ion:166 Resp: 4291
Ion Ratio Lower Upper
166 100
165 101.0 80.3 120.5
167 12.9 10.6 16.0



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: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

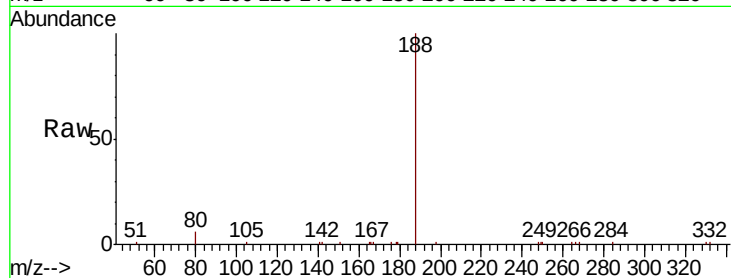
Tot Ion:188 Resp: 10047

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

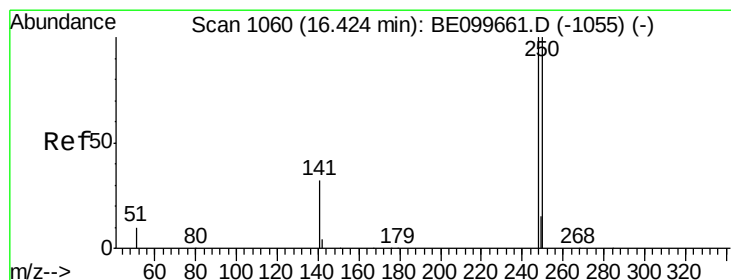
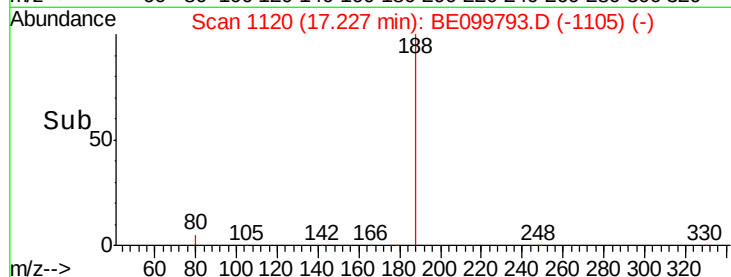
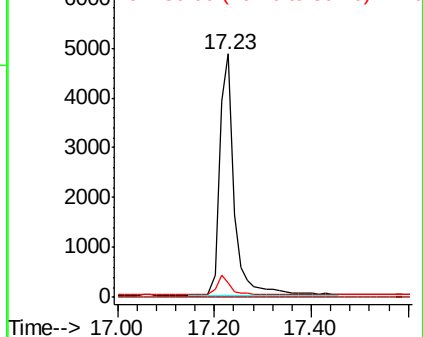
80 5.7 6.7 10.1#



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: 0.351 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

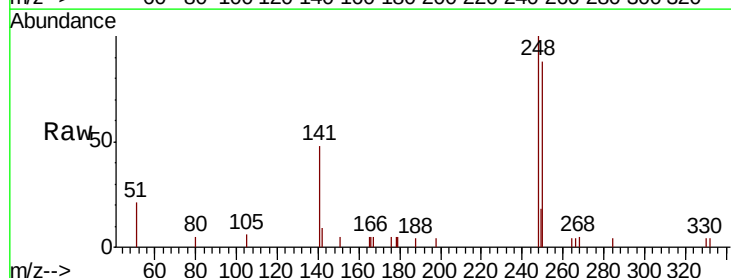
Tgt Ion:248 Resp: 2031

Ion Ratio Lower Upper

248 100

250 88.1 79.8 119.8

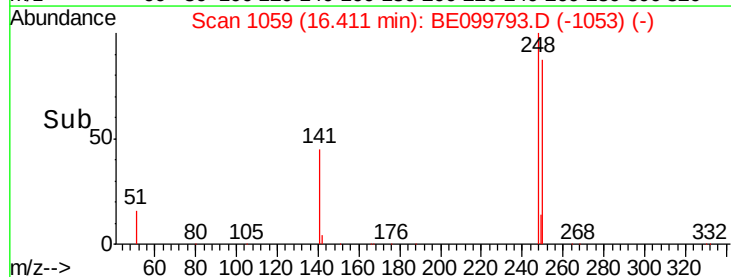
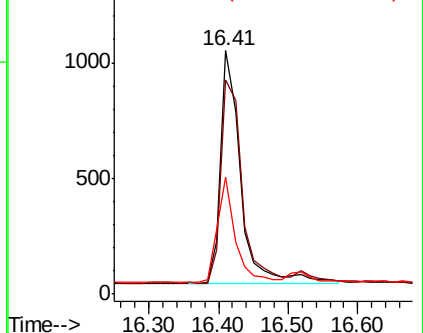
141 47.8 27.0 40.6#

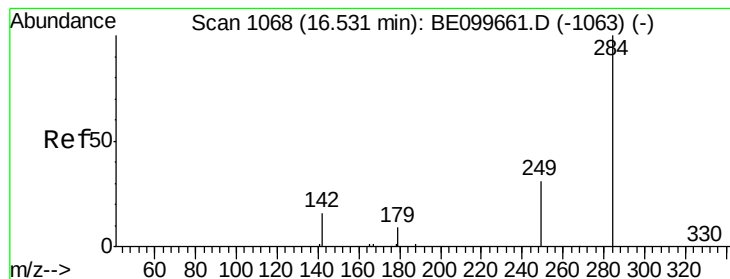


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.361 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

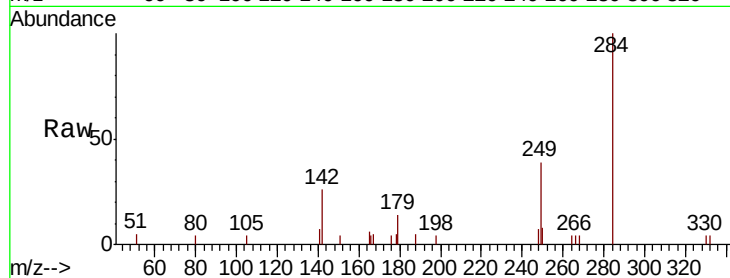
Tot Ion:284 Resp: 2139

Ion Ratio Lower Upper

284 100

142 22.2 17.8 26.6

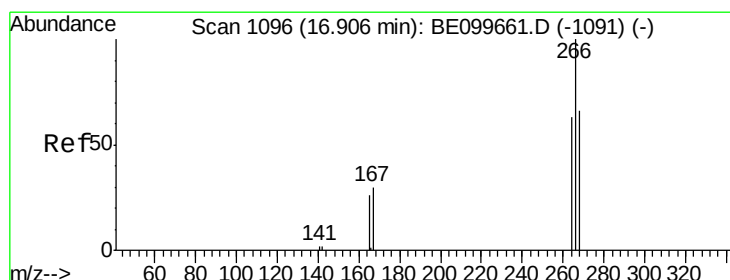
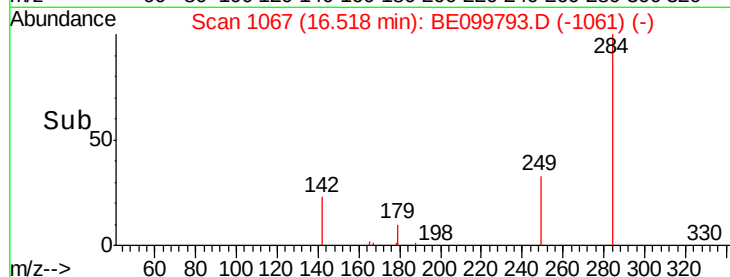
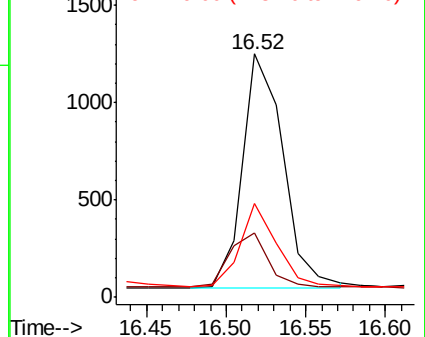
249 31.7 24.8 37.2



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: 0.328 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

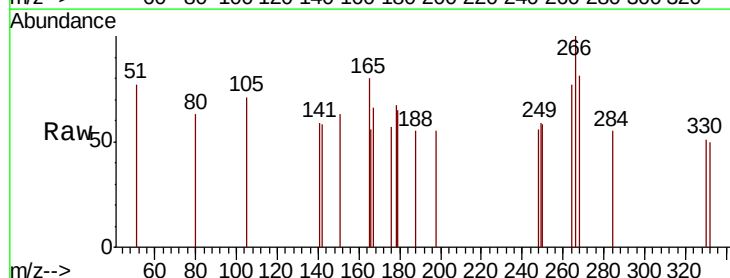
Tgt Ion:266 Resp: 265

Ion Ratio Lower Upper

266 100

264 76.7 57.2 85.8

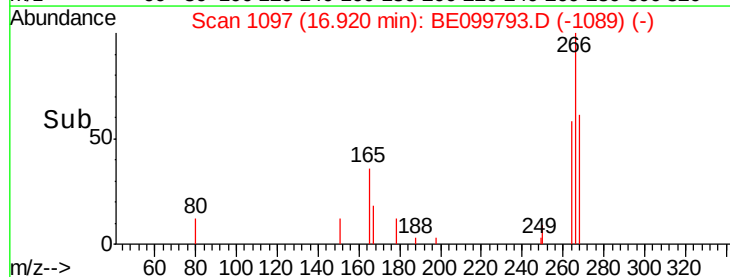
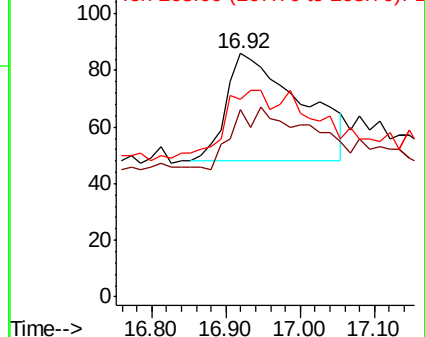
268 81.4 60.5 90.7

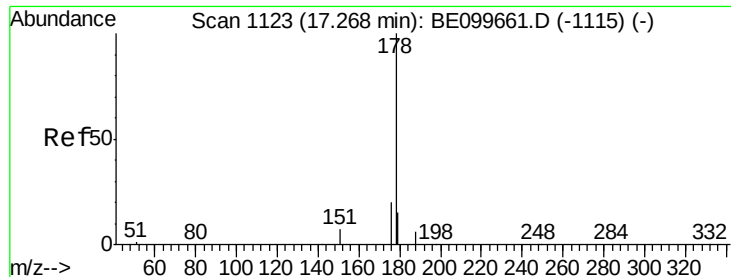


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.331 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

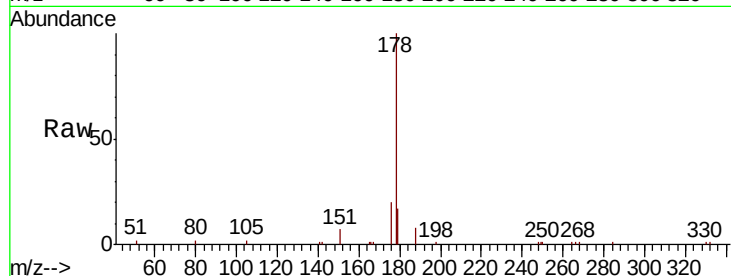
Tot Ion:178 Resp: 8122

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

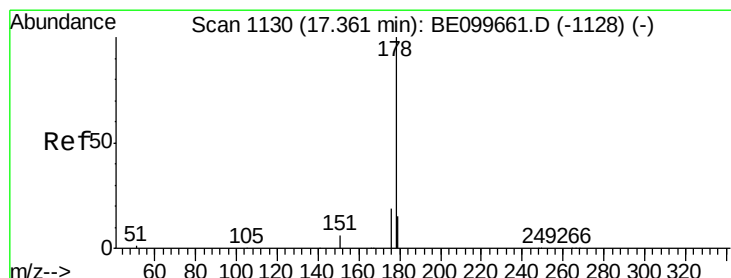
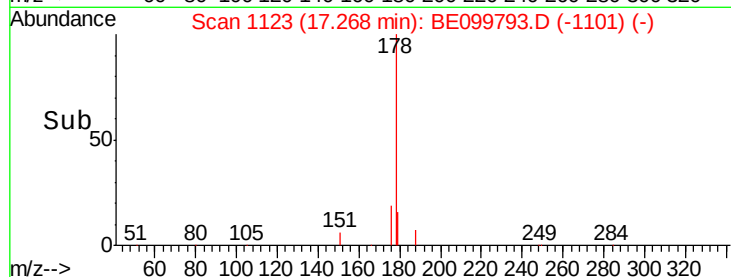
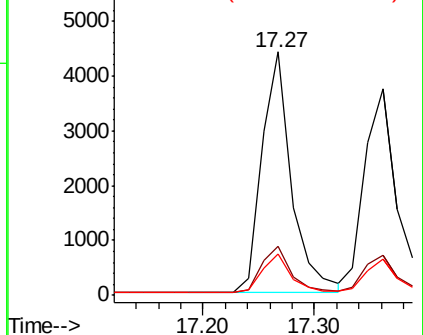
179 15.6 12.2 18.4



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



#24

Anthracene

Concen: 0.323 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

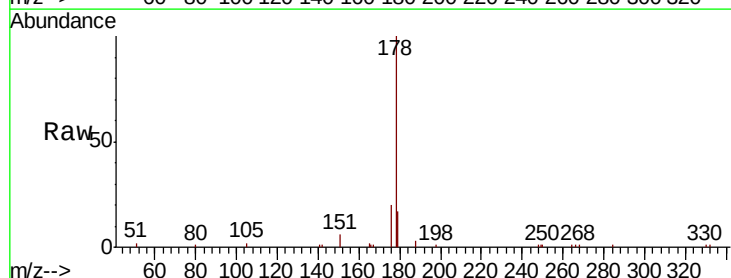
Tgt Ion:178 Resp: 7190

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

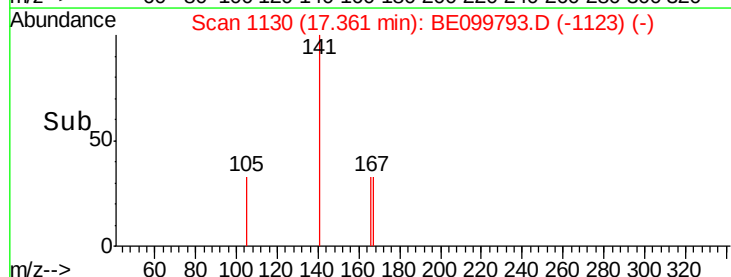
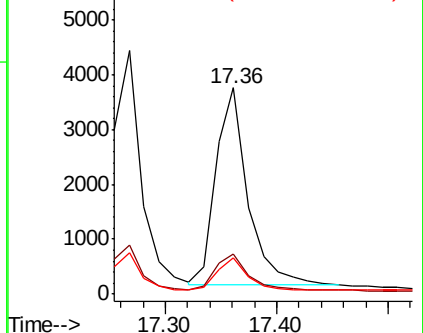
179 15.3 12.0 18.0

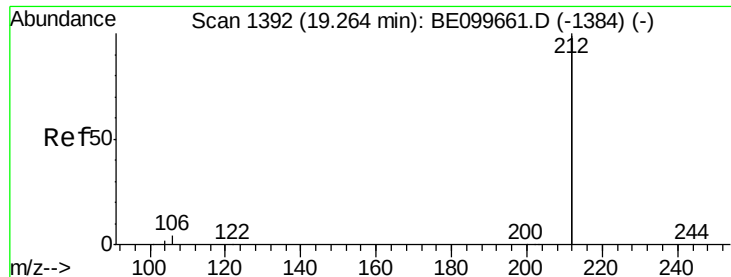


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.367 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

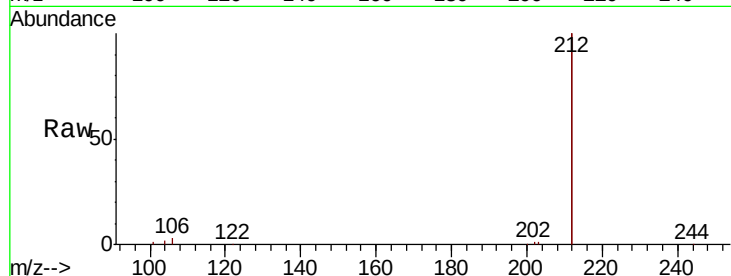
Tot Ion:212 Resp: 50400

Ion Ratio Lower Upper

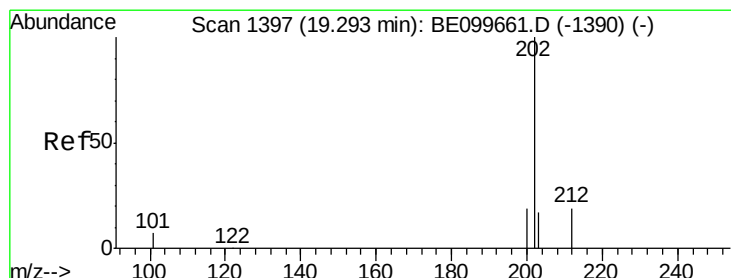
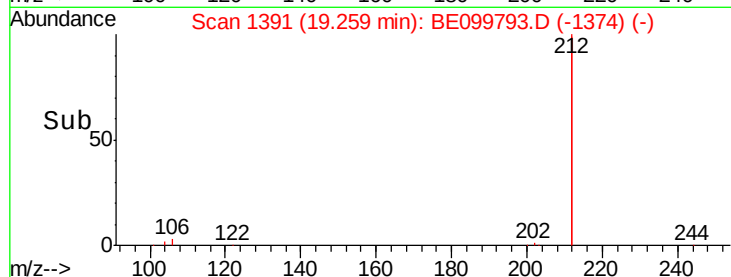
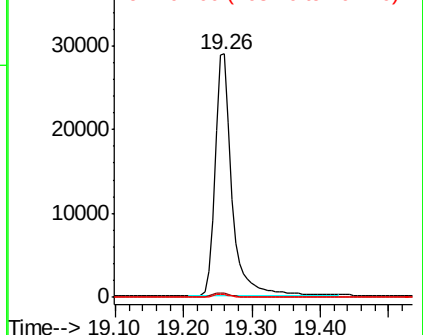
212 100

106 1.8 1.4 2.2

104 1.1 0.8 1.2



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: 0.382 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

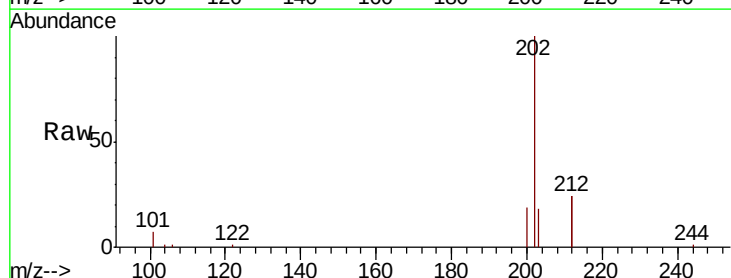
Tgt Ion:202 Resp: 14840

Ion Ratio Lower Upper

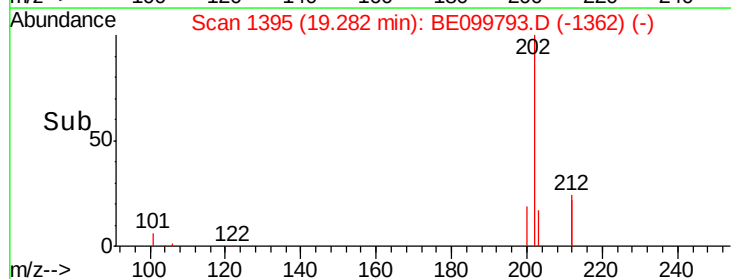
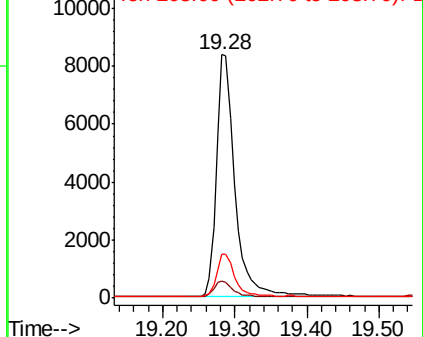
202 100

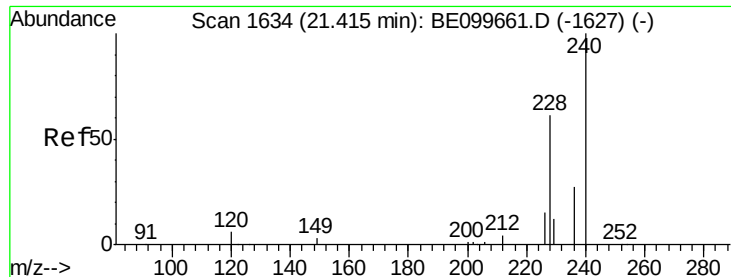
101 6.7 5.2 7.8

203 17.0 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

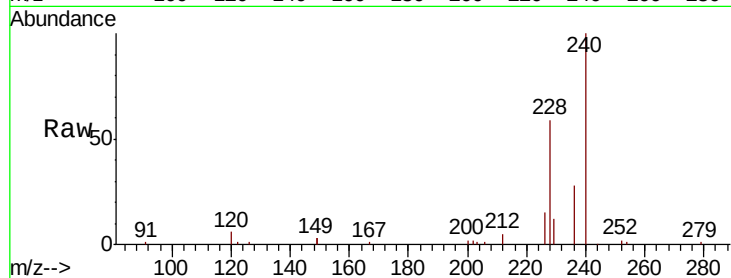
Tot Ion:240 Resp: 19288

Ion Ratio Lower Upper

240 100

120 6.2 5.4 8.0

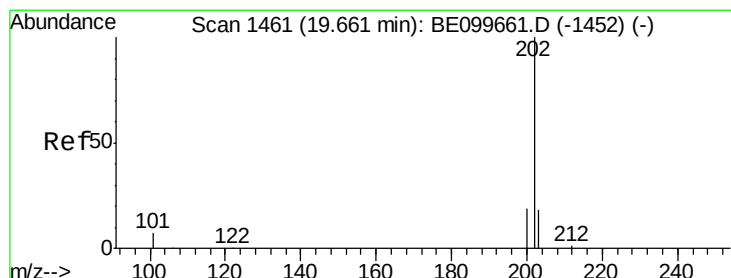
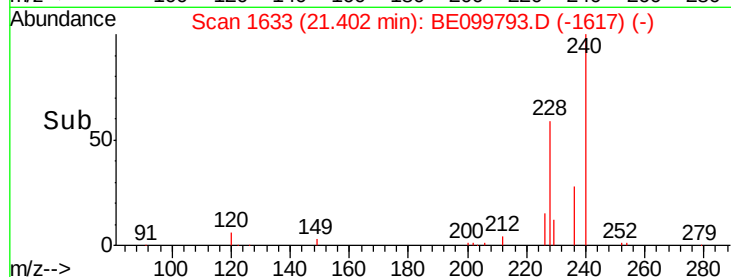
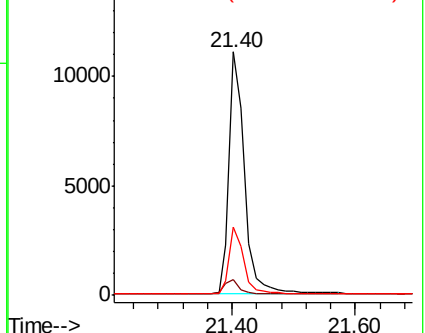
236 28.3 21.7 32.5



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: 0.322 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

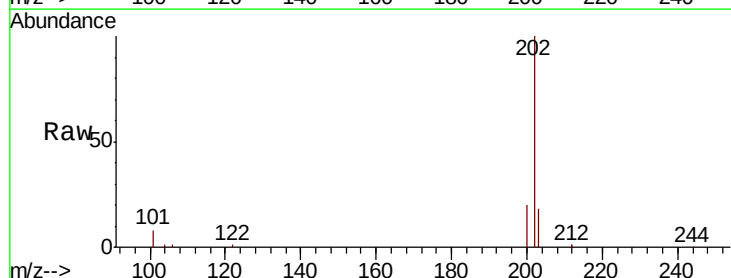
Tgt Ion:202 Resp: 15583

Ion Ratio Lower Upper

202 100

200 19.4 15.4 23.2

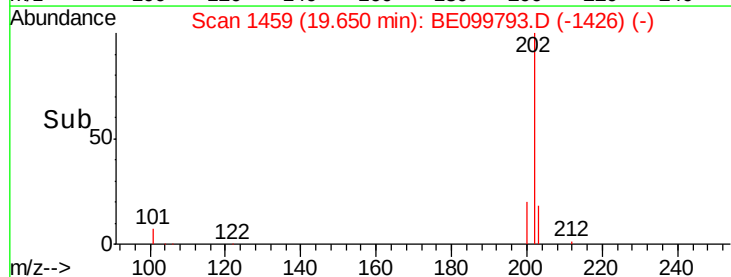
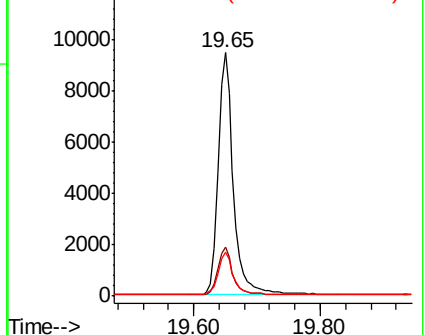
203 17.6 13.8 20.8

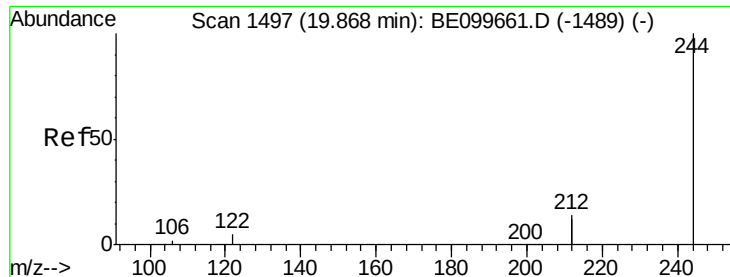


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.320 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampled :

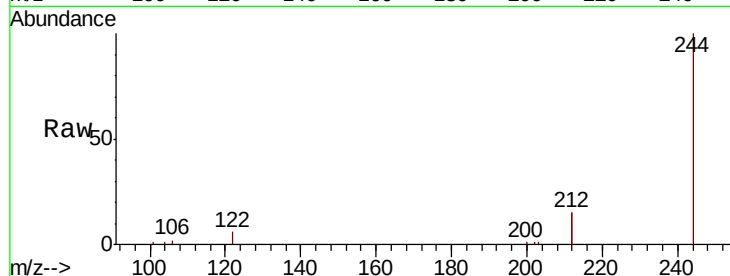
Tot Ion:244 Resp: 11017

Ion Ratio Lower Upper

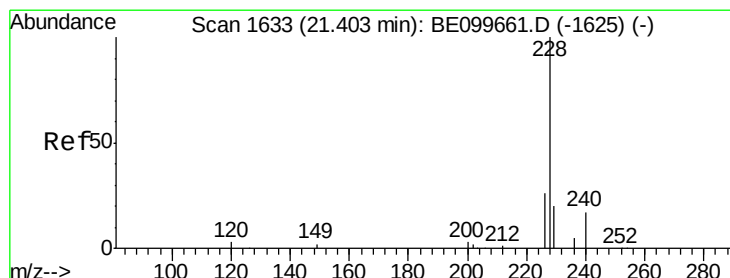
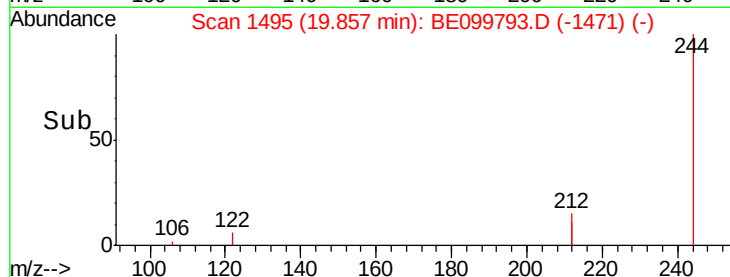
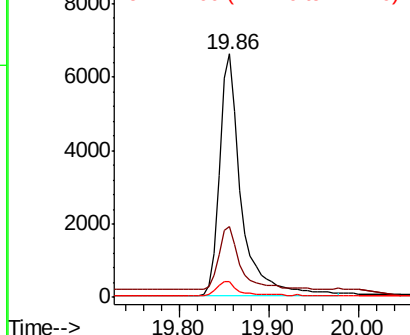
244 100

212 29.1 22.5 33.7

122 6.3 4.3 6.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.387 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099793.D

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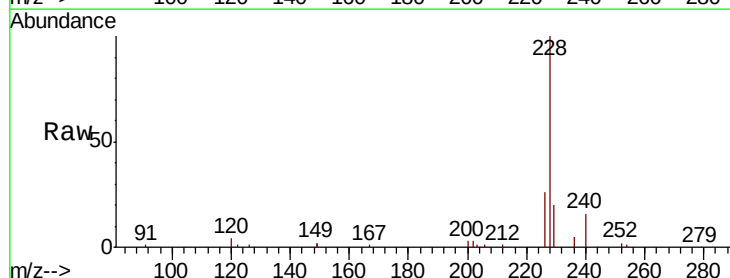
Tgt Ion:228 Resp: 21207

Ion Ratio Lower Upper

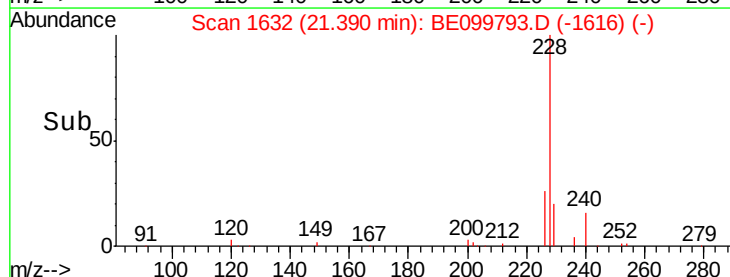
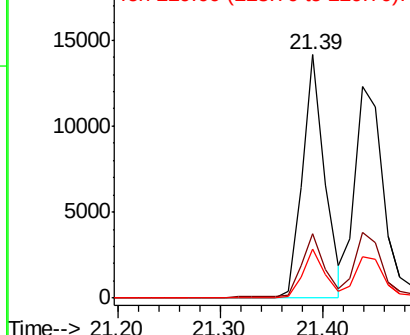
228 100

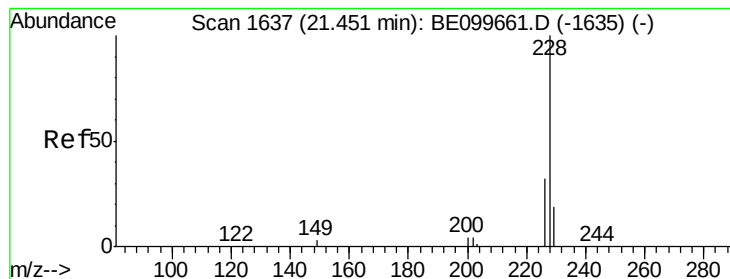
226 26.3 21.3 31.9

229 20.0 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





#31

Chrysene

Concen: 0.385 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

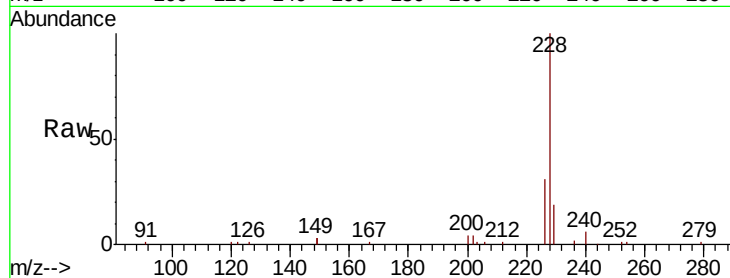
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 22573

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	19.4	15.8	23.6

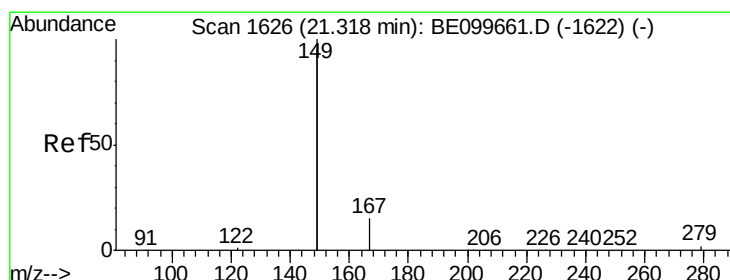
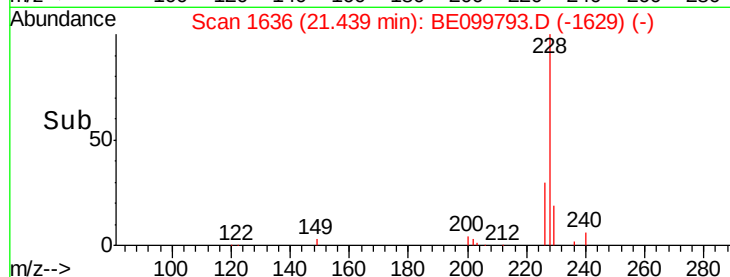
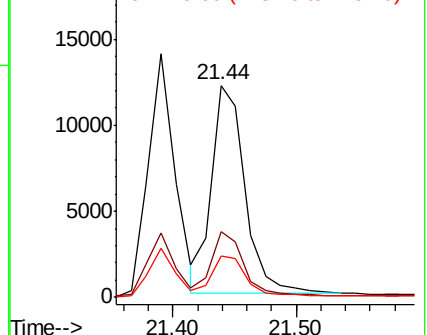


Abundance

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: 0.325 ng

RT: 21.31 min Scan# 1625

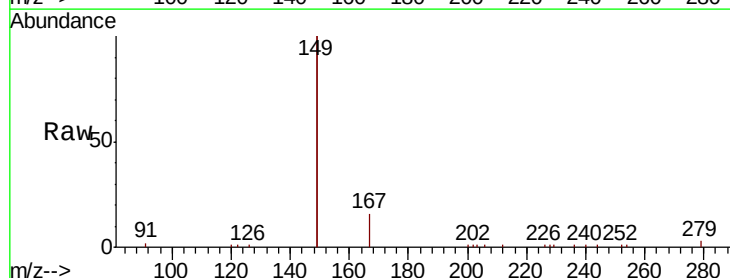
Delta R.T. -0.01 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Tgt Ion:149 Resp: 20544

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.5	1.2	1.8

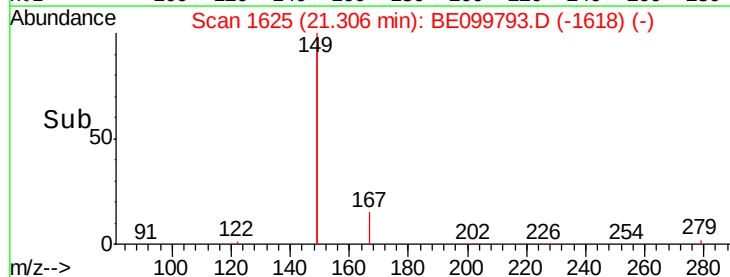
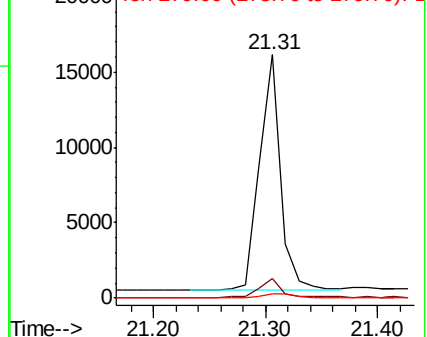


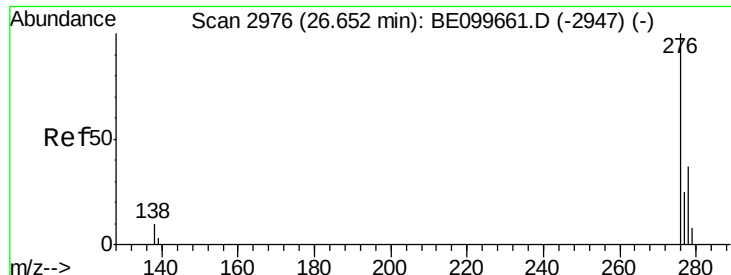
Abundance

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

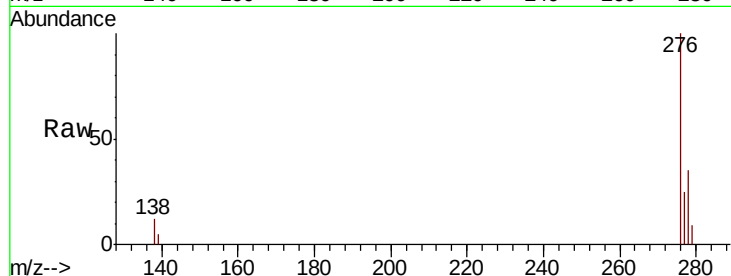




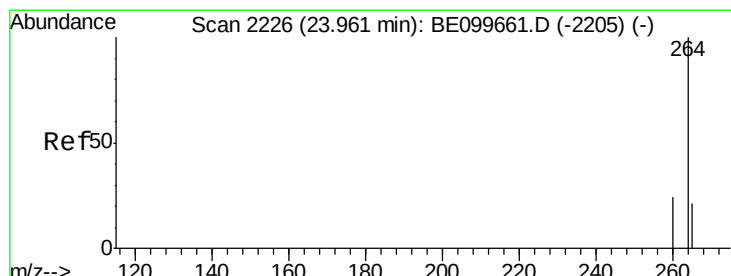
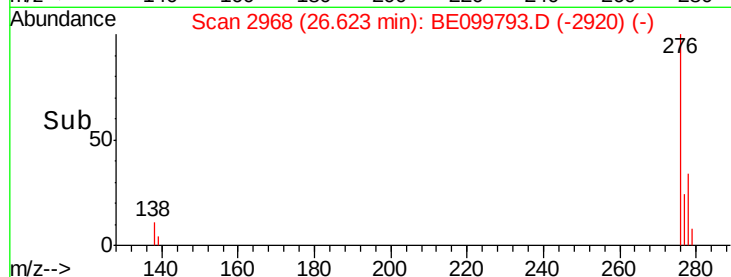
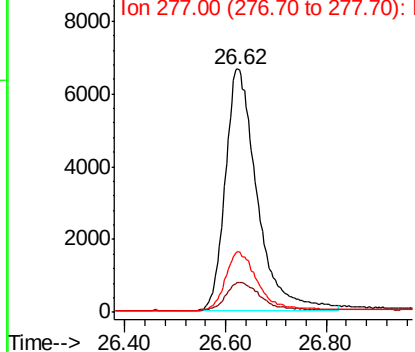
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.412 ng
 RT: 26.62 min Scan# 2968
 Delta R.T. -0.03 min
 Lab File: BE099793.D
 Acq: 4 Jun 2019 9:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 29171
 Ion Ratio Lower Upper
 276 100
 138 12.1 9.6 14.4
 277 24.3 19.2 28.8

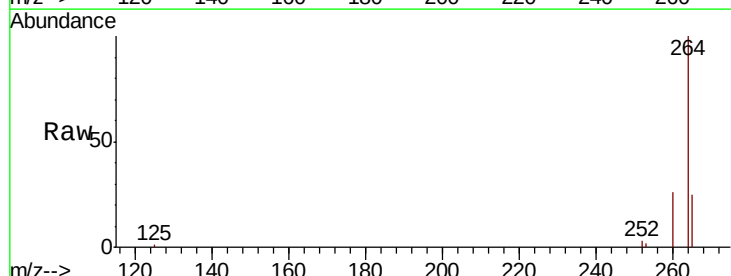


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

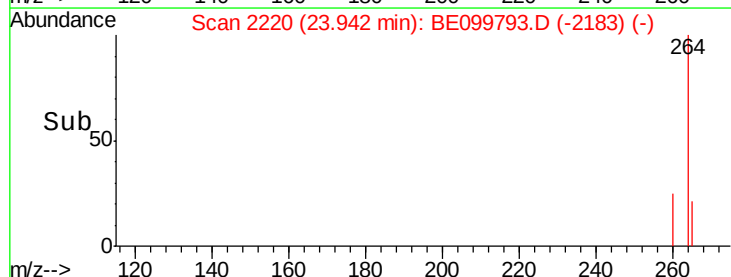
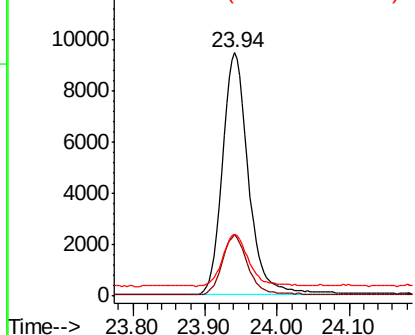


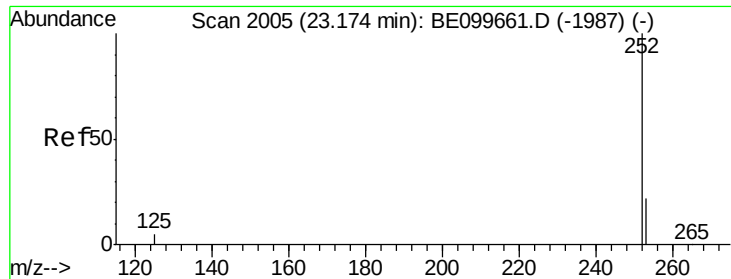
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2220
 Delta R.T. -0.02 min
 Lab File: BE099793.D
 Acq: 4 Jun 2019 9:38

Tgt Ion:264 Resp: 23431
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.6 29.4
 265 25.4 19.1 28.7



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.405 ng

RT: 23.21 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

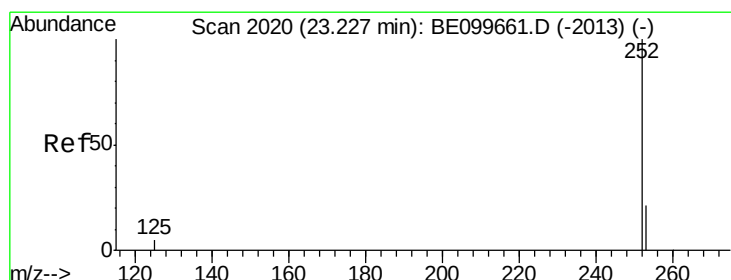
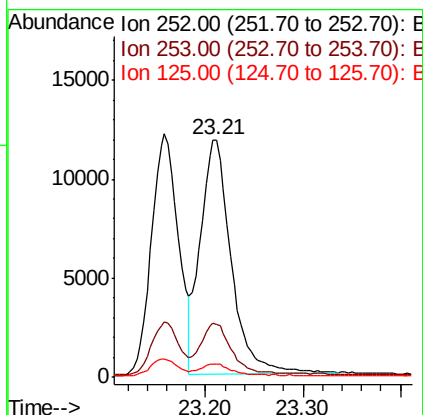
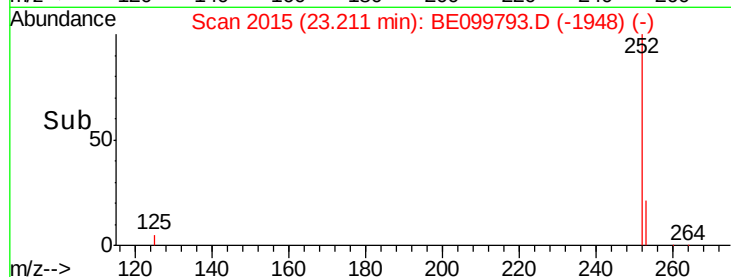
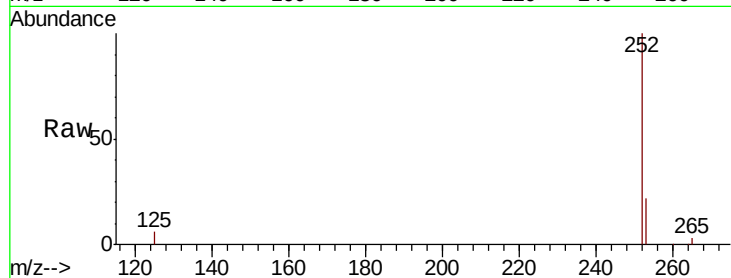
Tot Ion:252 Resp: 26003

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

125 5.6 4.5 6.7



#36

Benzo(k)fluoranthene

Concen: 0.388 ng

RT: 23.21 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

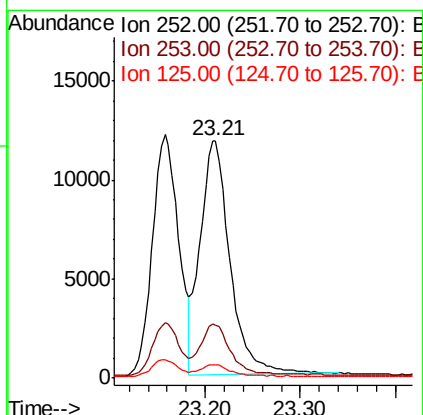
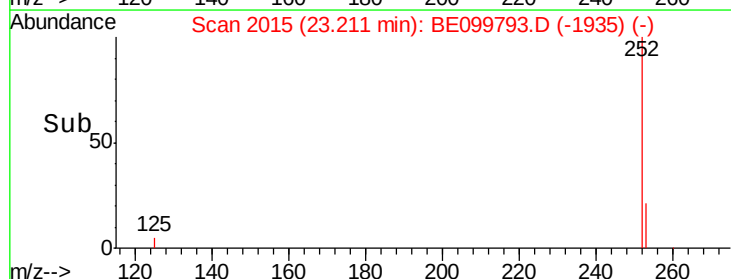
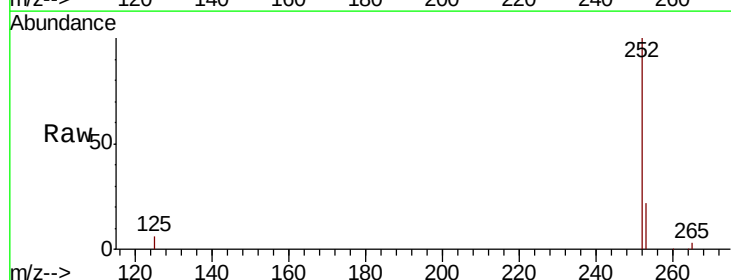
Tgt Ion:252 Resp: 25943

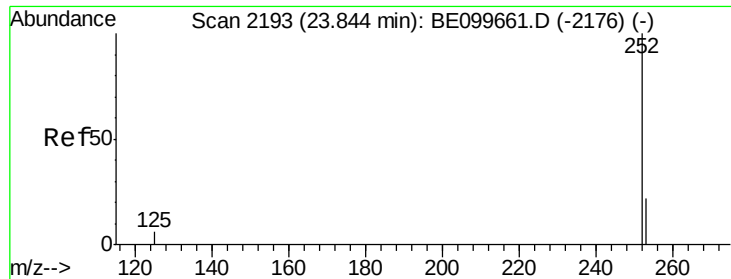
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 5.6 4.6 6.8

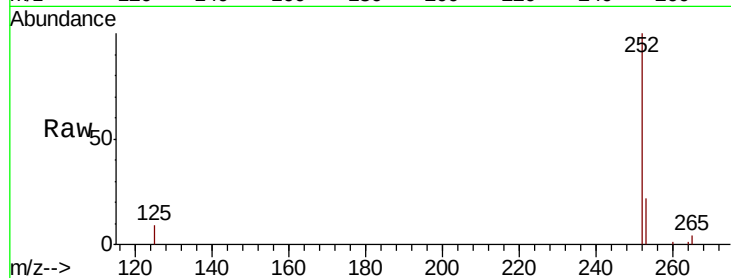




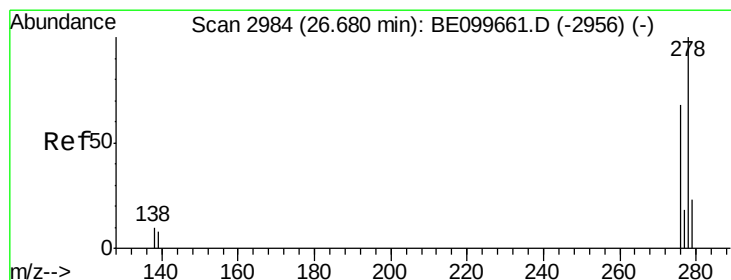
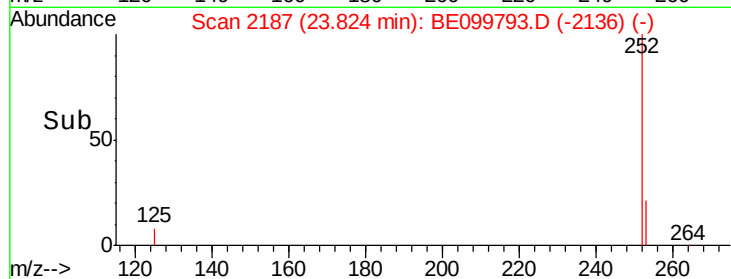
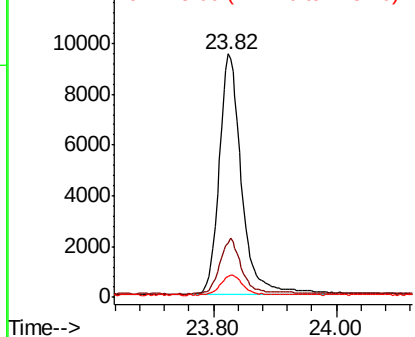
#37
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 23984
Ion Ratio Lower Upper
252 100
253 22.4 18.9 28.3
125 8.7 5.4 8.0#

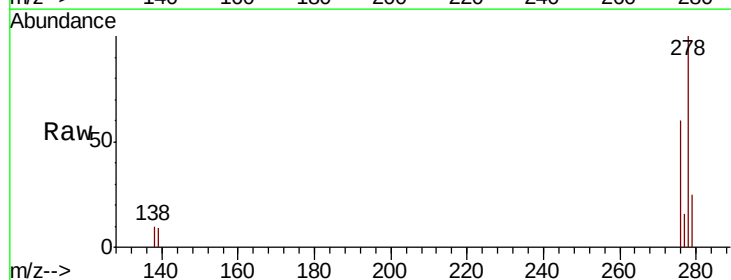


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

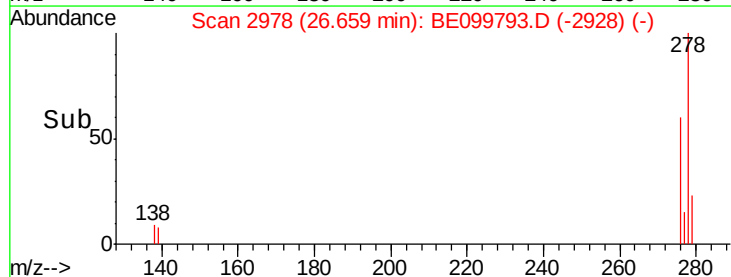
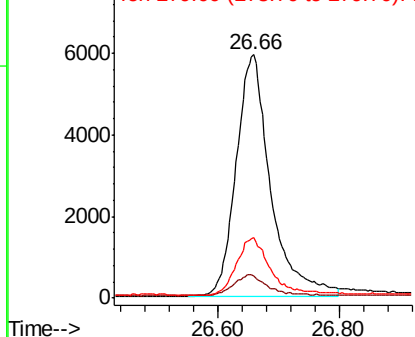


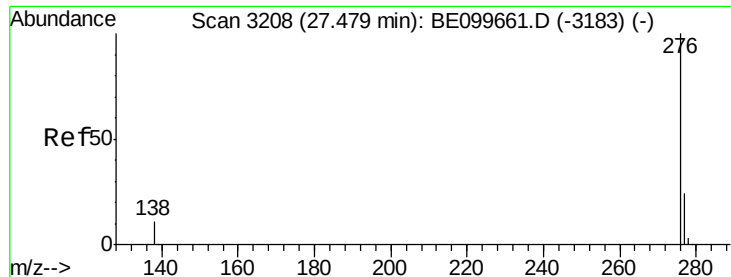
#38
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 26.66 min Scan# 2978
Delta R.T. -0.02 min
Lab File: BE099793.D
Acq: 4 Jun 2019 9:38

Tgt Ion:278 Resp: 23360
Ion Ratio Lower Upper
278 100
139 8.9 6.9 10.3
279 24.9 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.381 ng

RT: 27.45 min Scan# 3200

Delta R.T. -0.03 min

Lab File: BE099793.D

Acq: 4 Jun 2019 9:38

Instrument :

BNA_E

ClientSampleId :

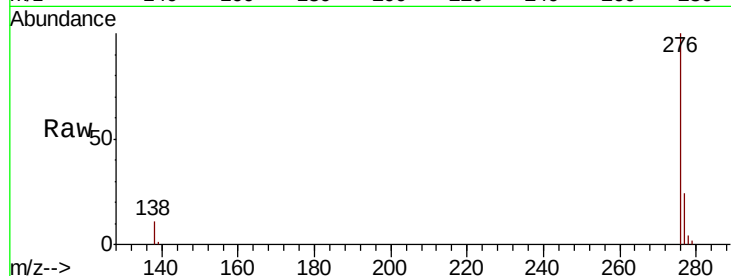
Tot Ion: 276 Resp: 24959

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.6

138 11.3 9.2 13.8



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

