

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060319\
 Data File : BE099785.D
 Acq On : 3 Jun 2019 14:24
 Operator : JU/SJ
 Sample : PB120277BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB120277BS

Quant Time: Jun 03 19:11:11 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	1761	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	5914	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3879	0.40	ng	-0.02
19) Phenanthrene-d10	17.23	188	11807	0.40	ng	0.00
27) Chrysene-d12	21.41	240	17829	0.40	ng	0.00
34) Perylene-d12	23.94	264	20897	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1644	0.37	ng	0.00
5) Phenol-d6	6.97	99	2145	0.36	ng	0.00
8) Nitrobenzene-d5	8.96	82	1653	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4810	0.47	ng	-0.02
14) 2,4,6-Tribromophenol	15.98	330	635	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	5329	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	57758	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	12378	0.39	ng	-0.01

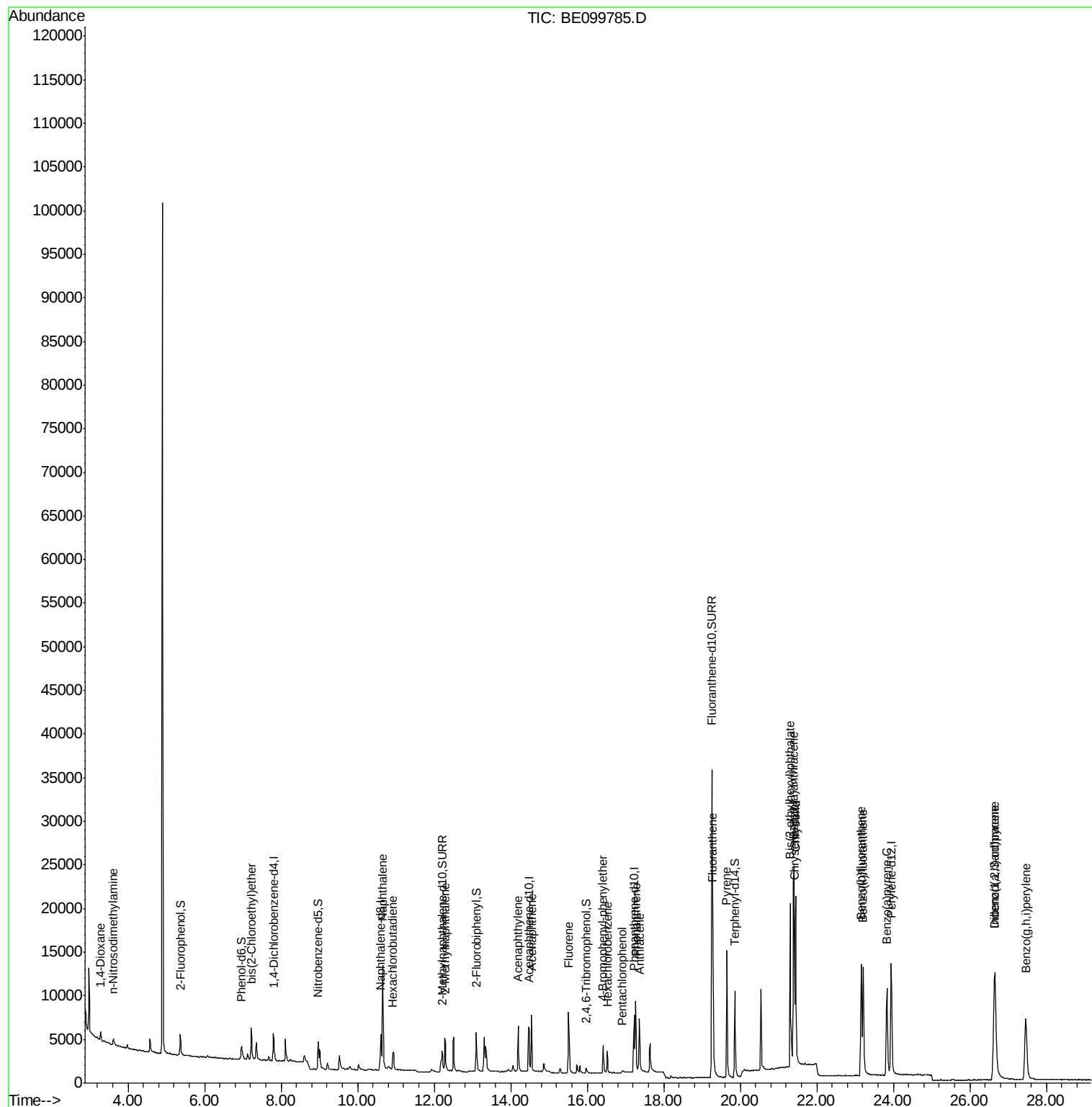
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	683	0.262	ng	# 42
3) n-Nitrosodimethylamine	3.62	42	503	0.349	ng	# 79
6) bis(2-Chloroethyl)ether	7.22	93	1695	0.324	ng	99
9) Naphthalene	10.65	128	21925	0.347	ng	100
10) Hexachlorobutadiene	10.93	225	1630	0.350	ng	99
12) 2-Methylnaphthalene	12.28	142	3540	0.343	ng	97
16) Acenaphthylene	14.20	152	6382	0.353	ng	100
17) Acenaphthene	14.54	154	3540	0.349	ng	99
18) Fluorene	15.51	166	5033	0.337	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	2289	0.336	ng	# 85
21) Hexachlorobenzene	16.52	284	2399	0.344	ng	99
22) Pentachlorophenol	16.92	266	508	0.417	ng	98
23) Phenanthrene	17.27	178	9631	0.334	ng	99
24) Anthracene	17.36	178	8399	0.321	ng	99
26) Fluoranthene	19.29	202	15883	0.348	ng	99
28) Pyrene	19.65	202	16244	0.363	ng	99
30) Benzo(a)anthracene	21.39	228	20548	0.406	ng	99
31) Chrysene	21.45	228	19955	0.368	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	19342	0.331	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	24842	0.380	ng	100
35) Benzo(b)fluoranthene	23.16	252	20434	0.357	ng	99
36) Benzo(k)fluoranthene	23.21	252	22144	0.371	ng	99
37) Benzo(a)pyrene	23.83	252	20578	0.373	ng	99
38) Dibenzo(a,h)anthracene	26.66	278	20154	0.348	ng	98
39) Benzo(g,h,i)perylene	27.47	276	21665	0.371	ng	99

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

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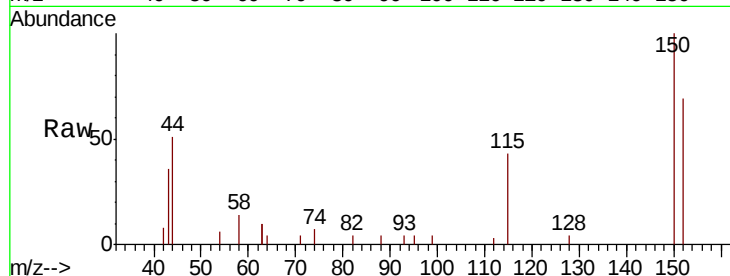


#1

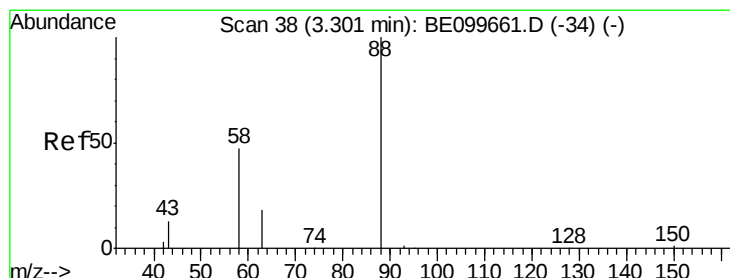
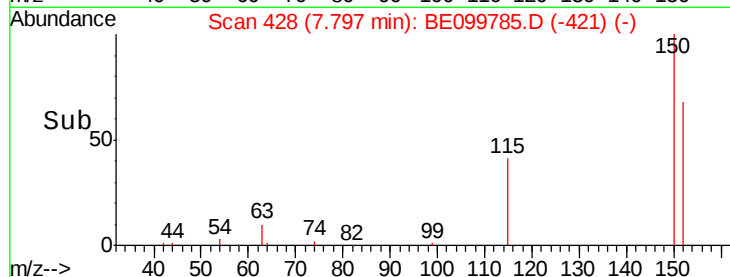
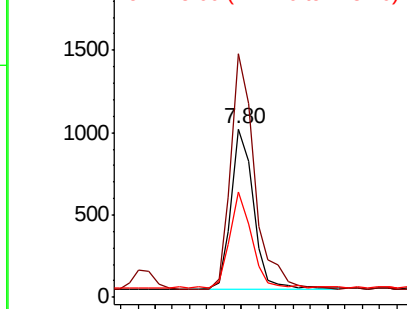
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. -0.02 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Instrument :
BNA_E
ClientSampleId :
PB120277BS

Tot Ion:152 Resp: 1761
Ion Ratio Lower Upper
152 100
150 144.5 109.2 163.8
115 62.5 43.7 65.5



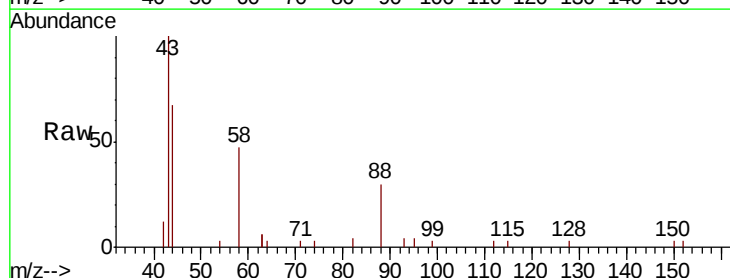
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



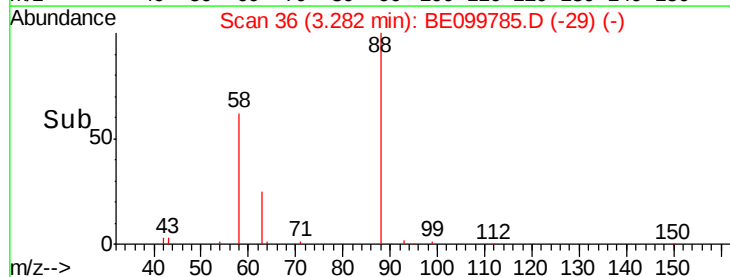
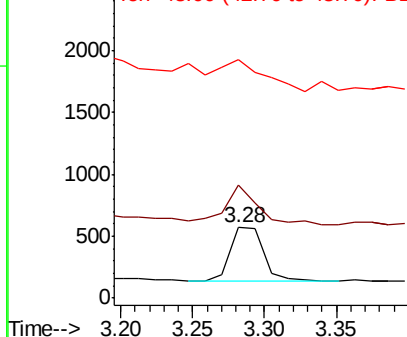
#2

1,4-Dioxane
Concen: 0.262 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.02 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Tgt Ion: 88 Resp: 683
Ion Ratio Lower Upper
88 100
58 72.5 41.8 62.8#
43 81.8 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: 0.349 ng

RT: 3.62 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

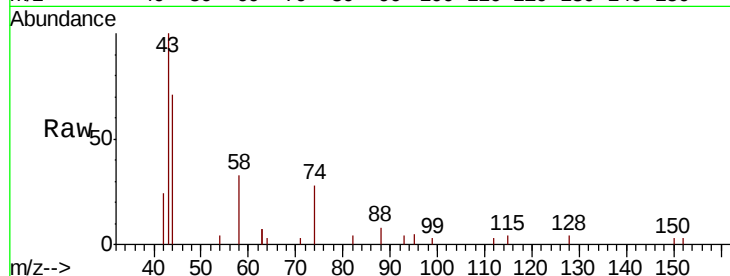
Tot Ion: 42 Resp: 503

Ion Ratio Lower Upper

42 100

74 189.1 129.2 193.8

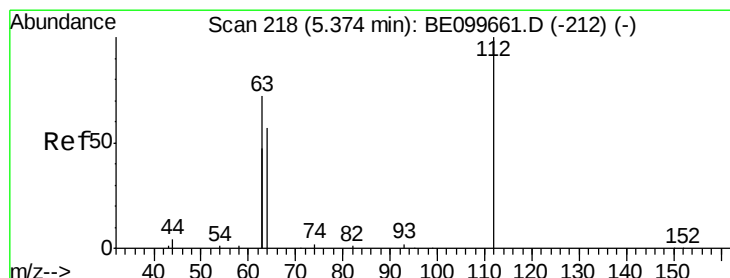
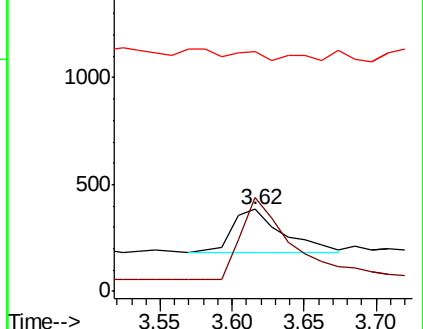
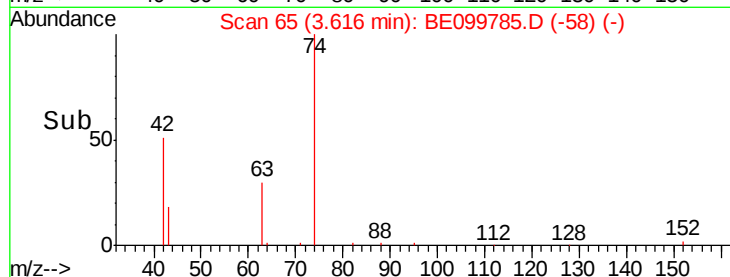
44 0.0 0.0 0.0



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: 0.369 ng

RT: 5.37 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

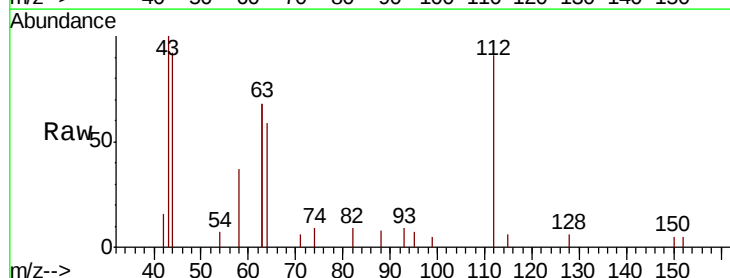
Tgt Ion: 112 Resp: 1644

Ion Ratio Lower Upper

112 100

64 54.1 43.4 65.2

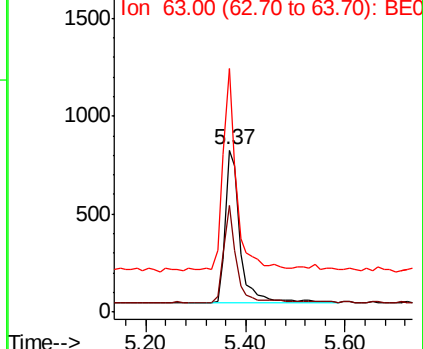
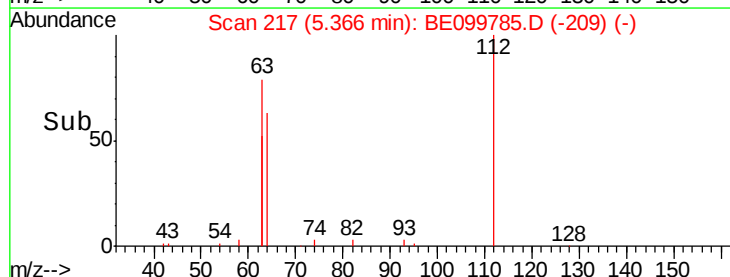
63 114.5 96.9 145.3

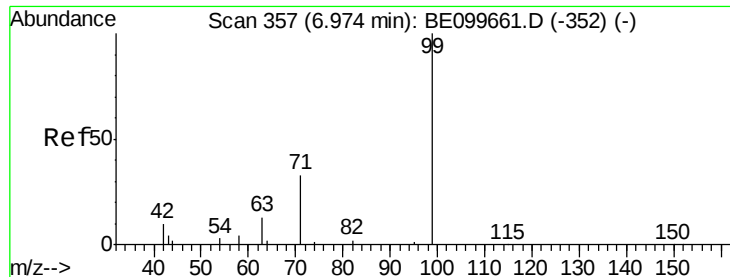


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.364 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

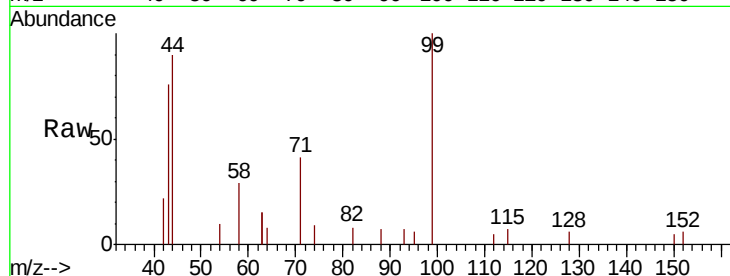
Tot Ion: 99 Resp: 2145

Ion Ratio Lower Upper

99 100

42 13.0 12.2 18.2

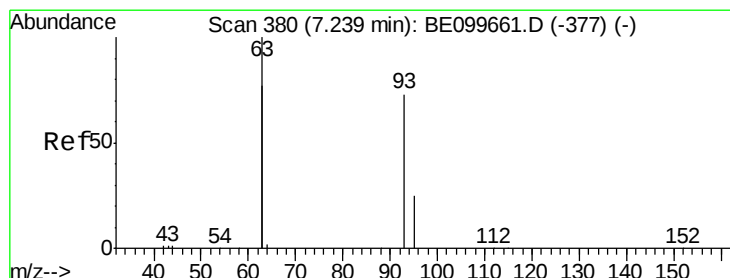
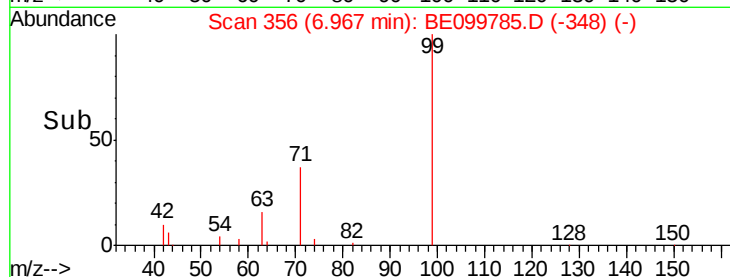
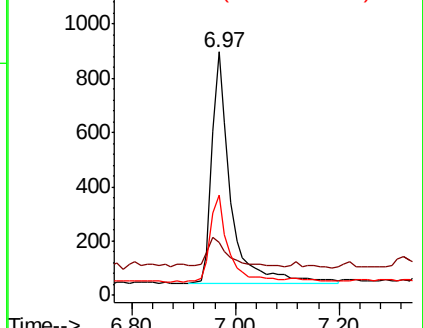
71 35.6 28.9 43.3



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

bis(2-Chloroethyl)ether

Concen: 0.324 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.02 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

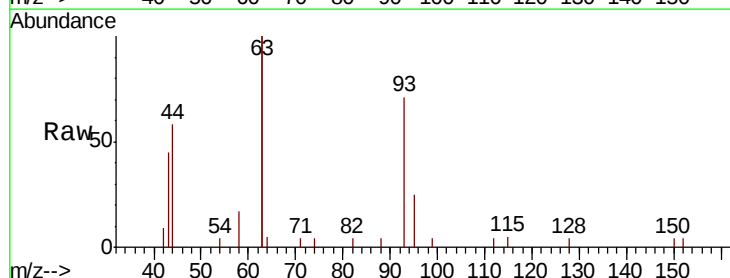
Tgt Ion: 93 Resp: 1695

Ion Ratio Lower Upper

93 100

63 257.2 207.8 311.6

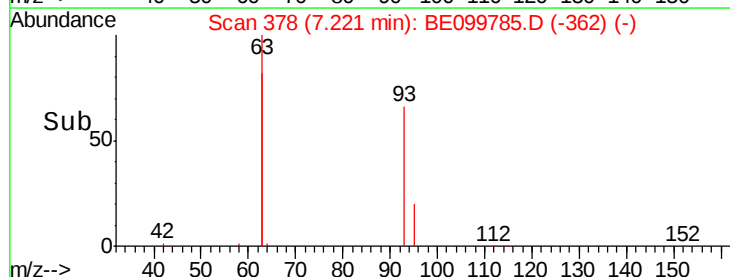
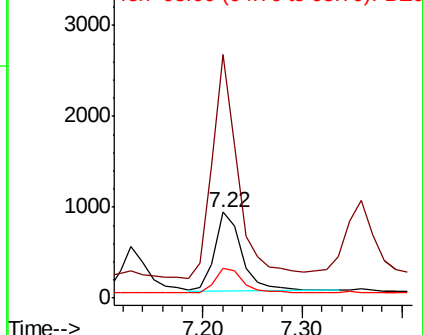
95 32.8 25.9 38.9

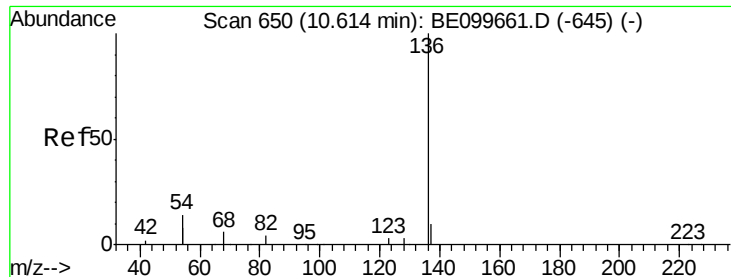


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

Tot Ion:136 Resp: 5914

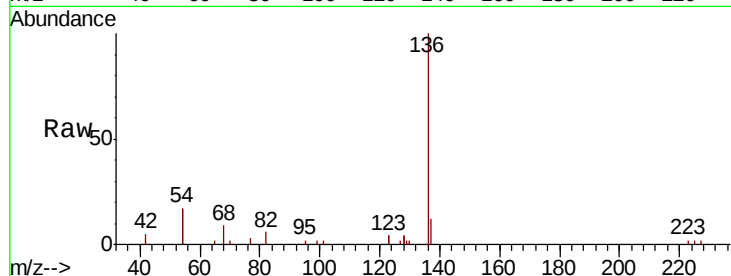
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 33.5 22.3 33.5

68 8.5 6.0 9.0

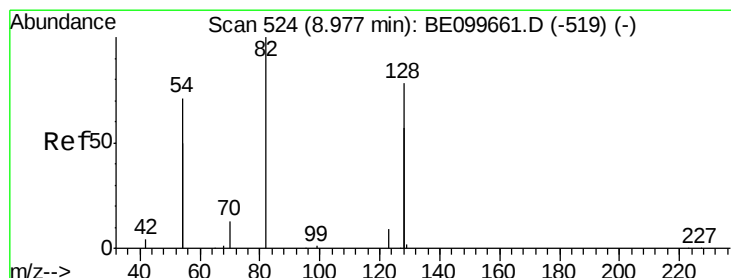
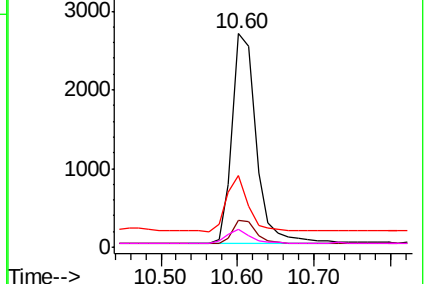
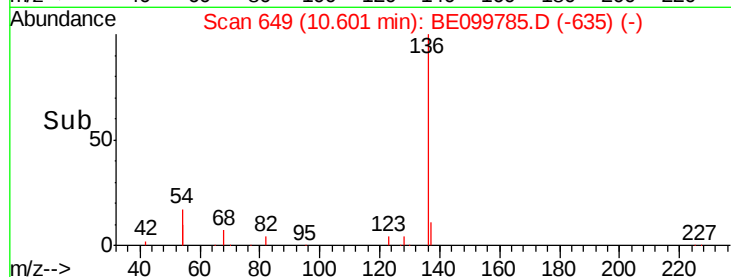


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.323 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

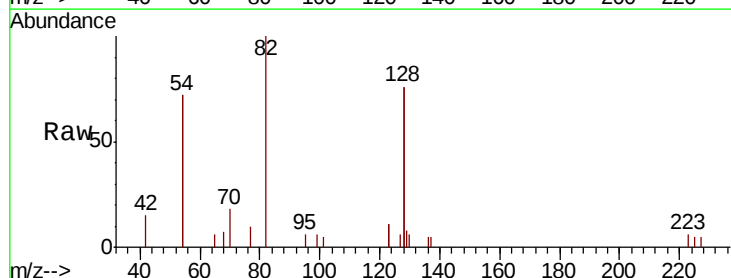
Tgt Ion: 82 Resp: 1653

Ion Ratio Lower Upper

82 100

128 151.7 117.7 176.5

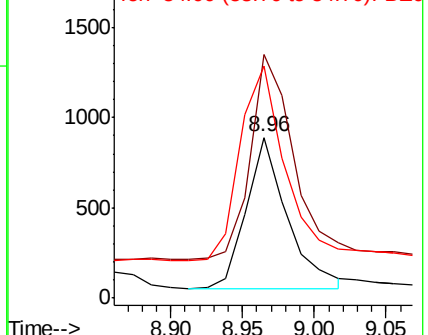
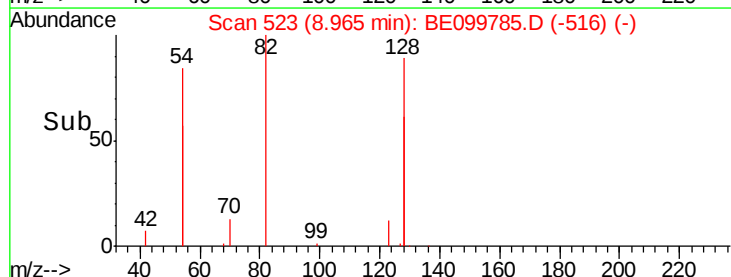
54 144.3 106.6 160.0

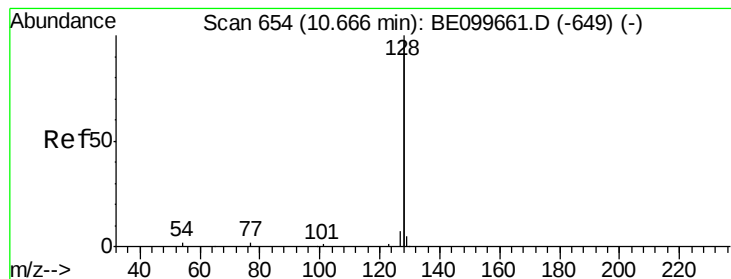


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.347 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099785.D

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PB120277BS

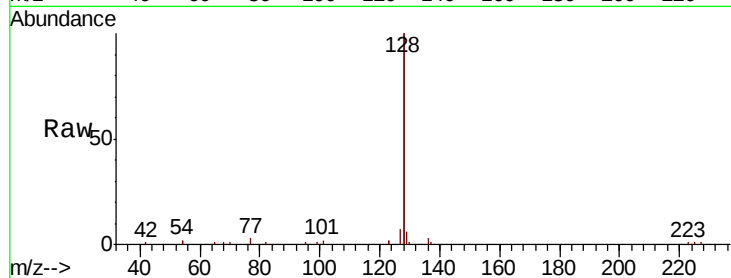
Tot Ion:128 Resp: 21925

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

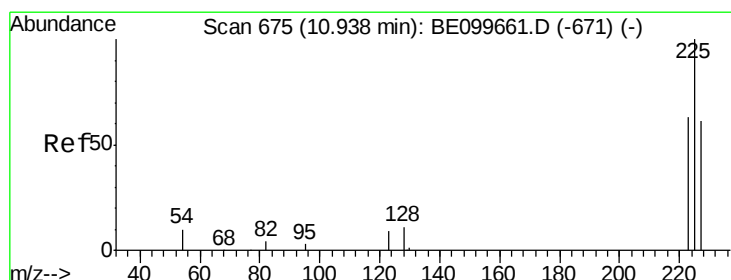
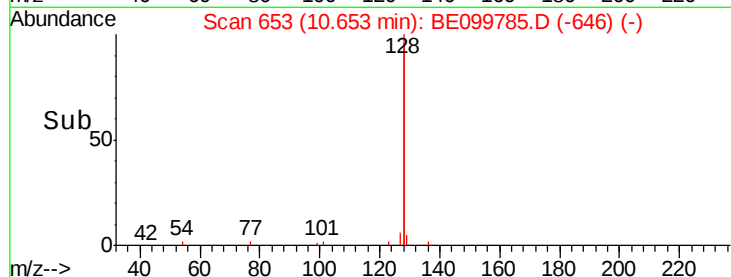
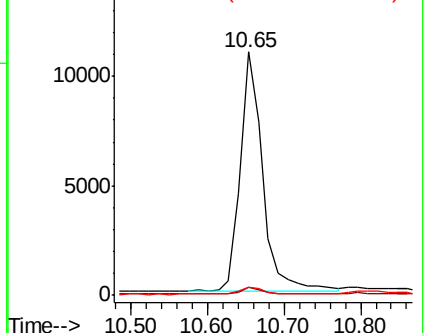
127 3.5 2.9 4.3



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: 0.350 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

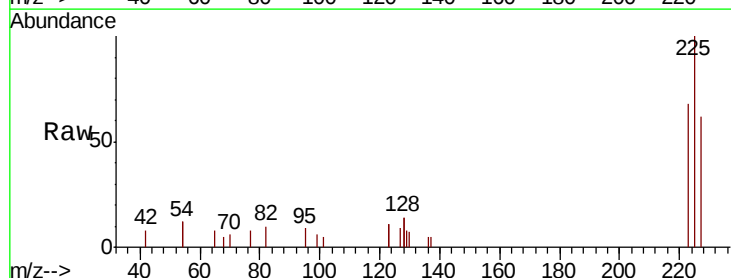
Tgt Ion:225 Resp: 1630

Ion Ratio Lower Upper

225 100

223 64.7 51.8 77.6

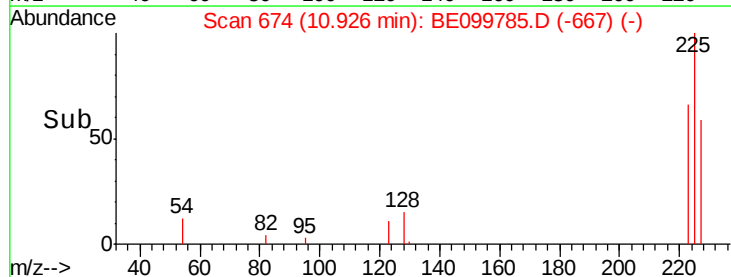
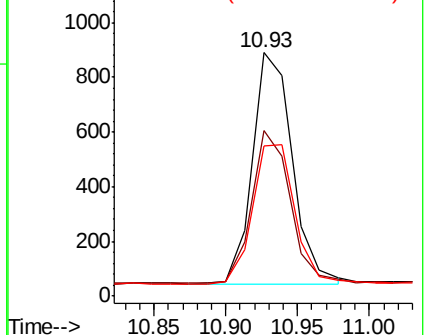
227 63.9 52.6 79.0

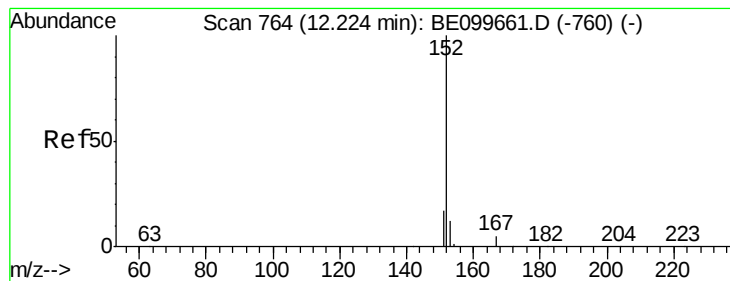


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.471 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099785.D

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ClientSampleId :

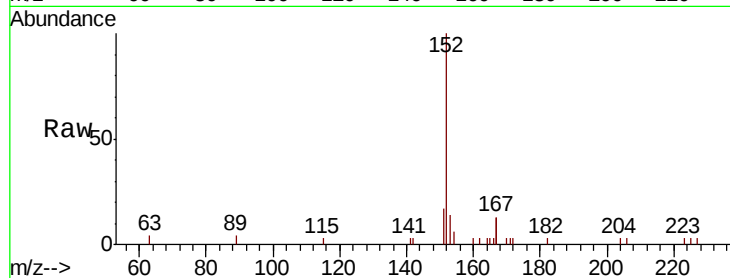
PB120277BS

Tot Ion:152 Resp: 4810

Ion Ratio Lower Upper

152 100

151 14.6 15.0 22.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2000

1500

1000

500

0

12.20

12.21

12.22

12.23

12.24

12.25

12.26

12.27

12.28

12.29

12.30

12.31

12.32

12.33

12.34

12.35

12.36

12.37

12.38

12.39

12.40

12.41

12.42

12.43

12.44

12.45

12.46

12.47

12.48

12.49

12.50

12.51

12.52

12.53

12.54

12.55

12.56

12.57

12.58

12.59

12.60

12.61

12.62

12.63

12.64

12.65

12.66

12.67

12.68

12.69

12.70

12.71

12.72

12.73

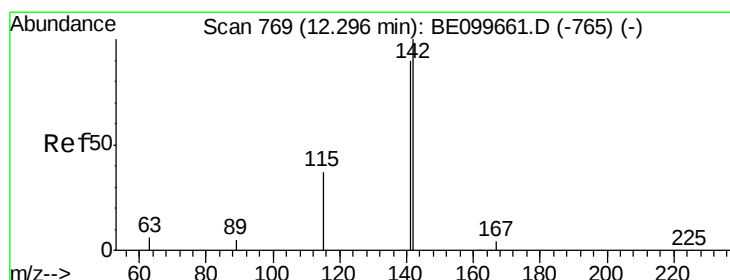
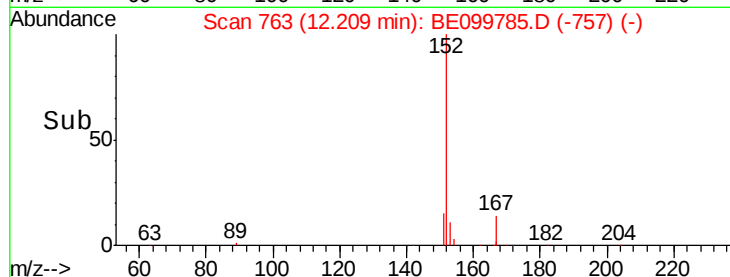
12.74

12.75

12.76

12.77

12.78



#12

2-Methylnaphthalene

Concen: 0.343 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

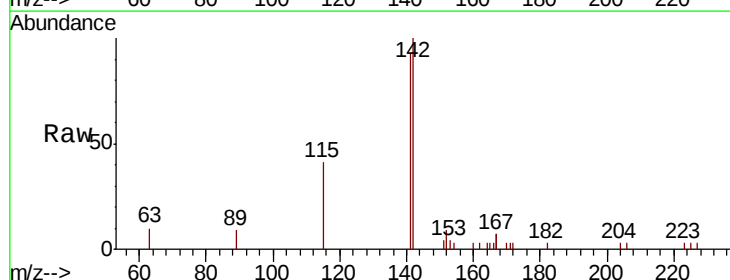
Tgt Ion:142 Resp: 3540

Ion Ratio Lower Upper

142 100

141 92.8 72.0 108.0

115 40.9 31.0 46.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

1500

1000

500

0

12.20

12.21

12.22

12.23

12.24

12.25

12.26

12.27

12.28

12.29

12.30

12.31

12.32

12.33

12.34

12.35

12.36

12.37

12.38

12.39

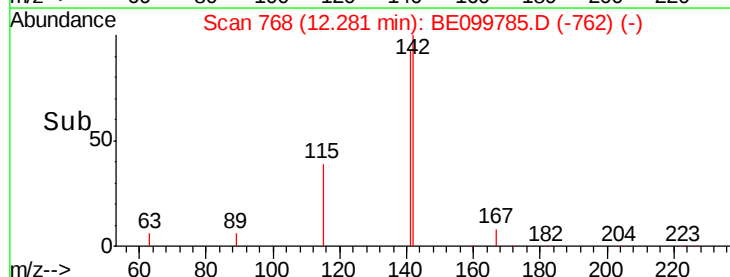
12.40

12.41

12.42

12.43

12.44



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

1500

1000

500

0

12.20

12.21

12.22

12.23

12.24

12.25

12.26

12.27

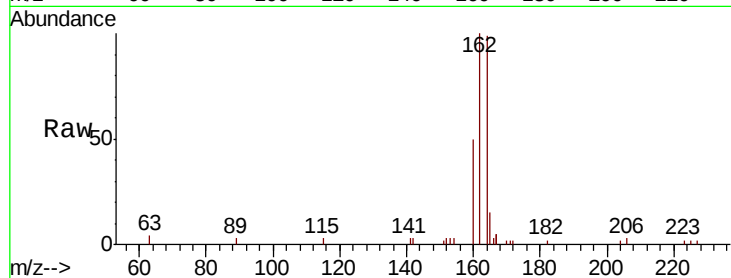
12.28



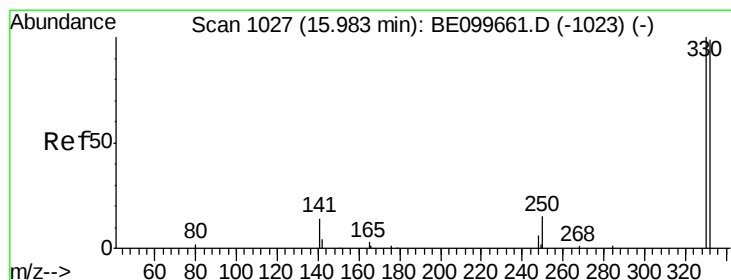
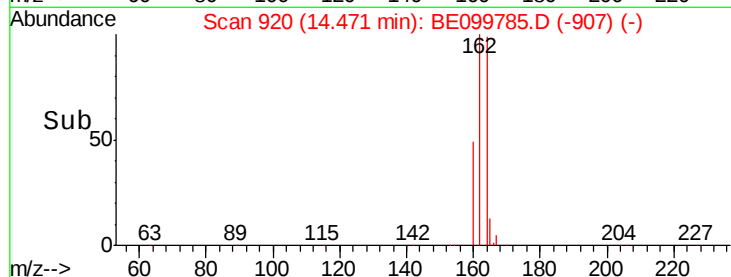
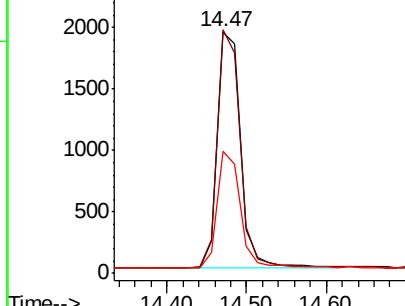
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Instrument :
BNA_E
ClientSampleId :
PB120277BS

Tot Ion:164 Resp: 3879
Ion Ratio Lower Upper
164 100
162 100.8 76.5 114.7
160 50.6 37.4 56.2

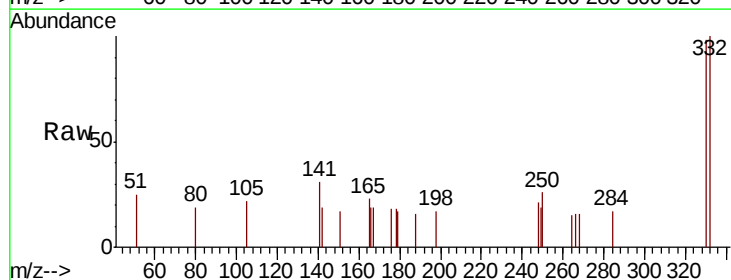


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

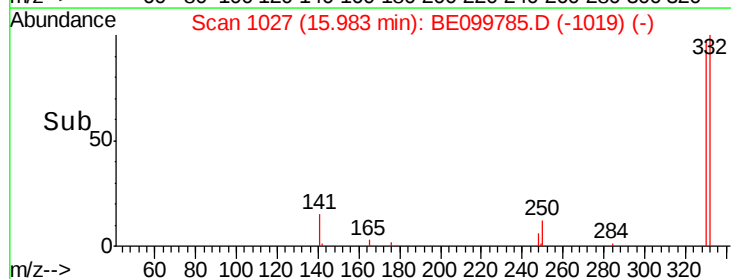
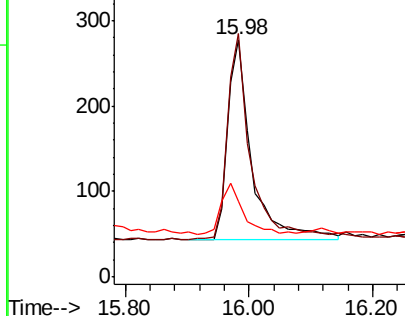


#14
2,4,6-Tribromophenol
Concen: 0.349 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Tgt Ion:330 Resp: 635
Ion Ratio Lower Upper
330 100
332 98.0 77.3 115.9
141 24.7 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

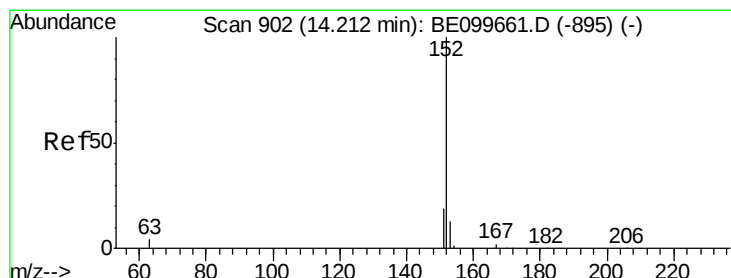
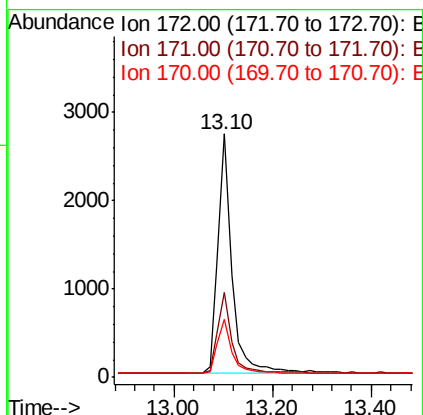
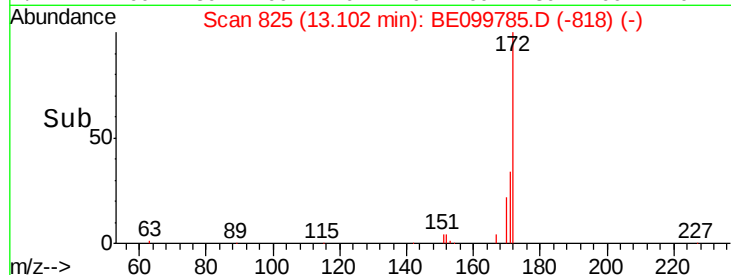
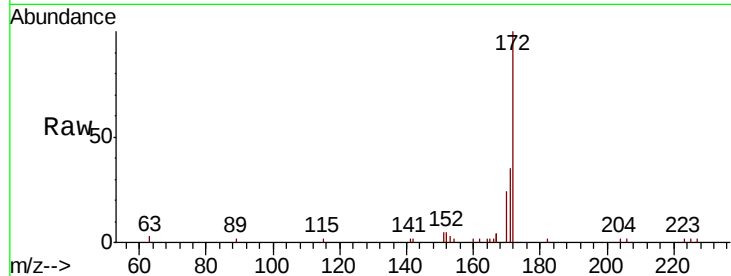




#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

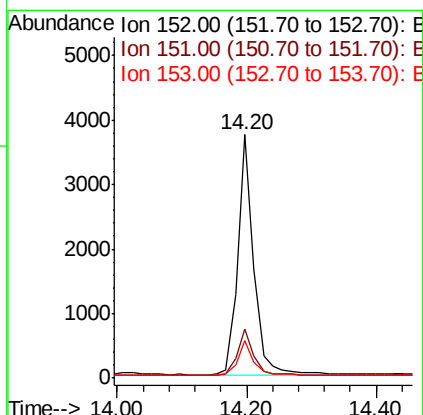
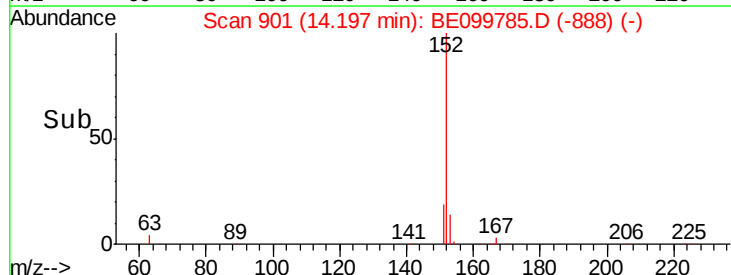
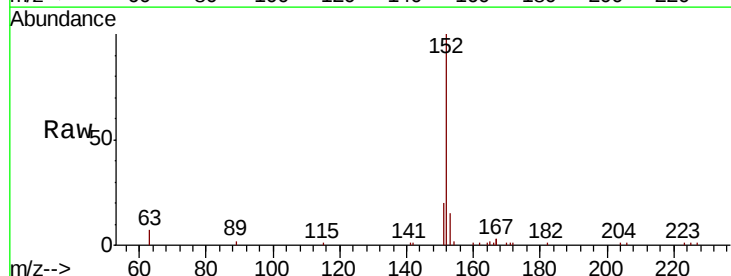
Instrument :
BNA_E
ClientSampleId :
PB120277BS

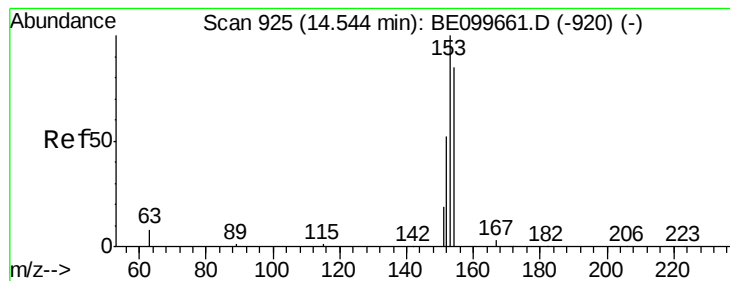
Tot Ion:172 Resp: 5329
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.8 20.9 31.3



#16
Acenaphthylene
Concen: 0.353 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Tgt Ion:152 Resp: 6382
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.5 10.6 16.0





#17

Acenaphthene

Concen: 0.349 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

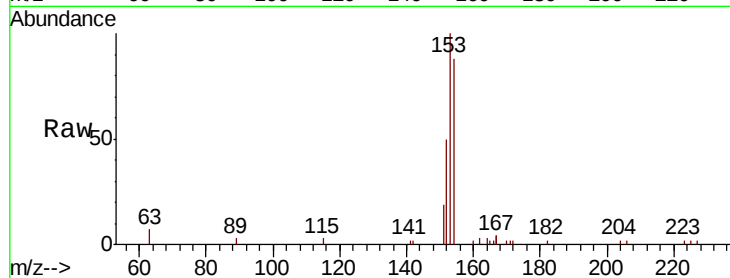
Tot Ion:154 Resp: 3540

Ion Ratio Lower Upper

154 100

153 113.9 91.8 137.6

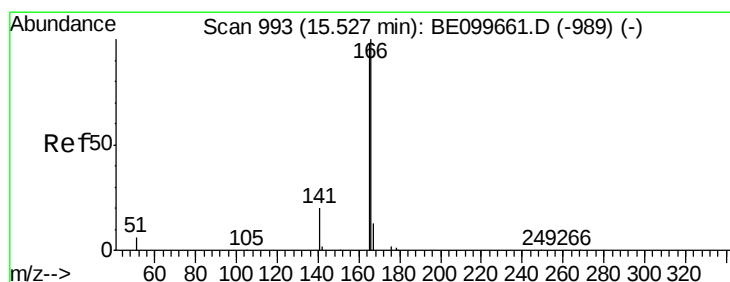
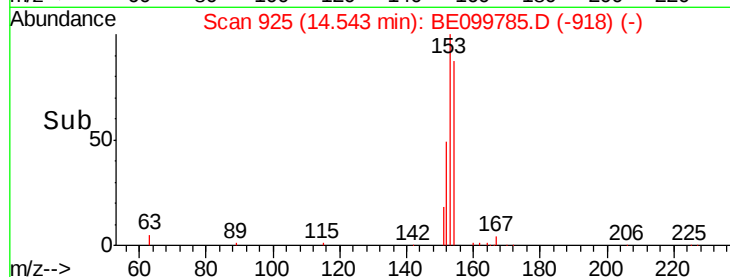
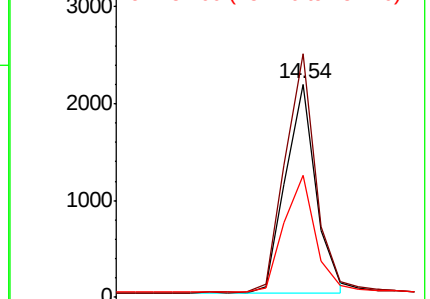
152 57.9 46.0 69.0



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: 0.337 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

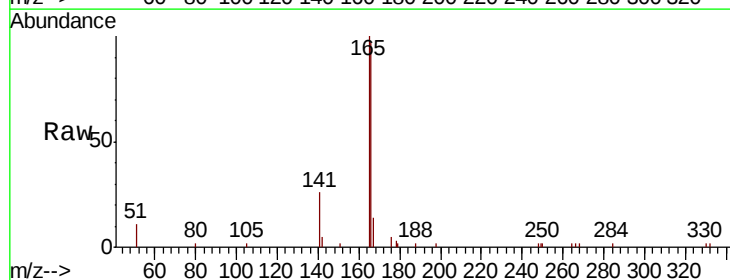
Tgt Ion:166 Resp: 5033

Ion Ratio Lower Upper

166 100

165 100.6 80.3 120.5

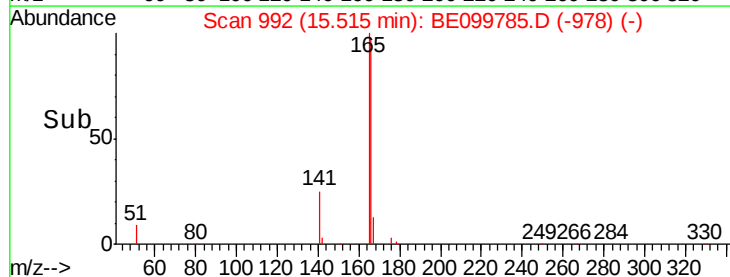
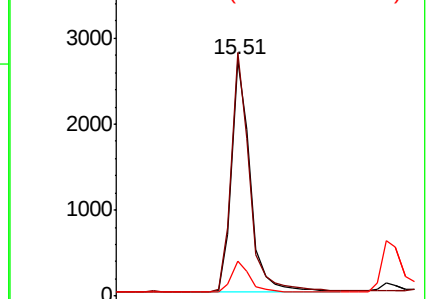
167 13.2 10.6 16.0

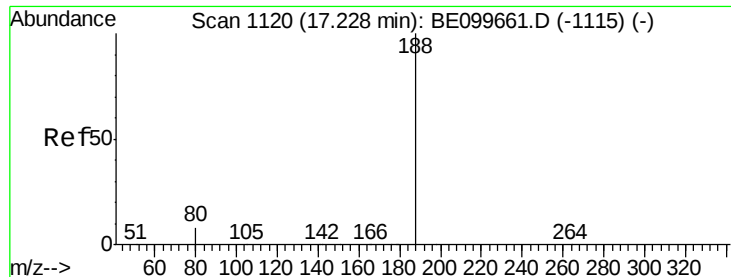


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

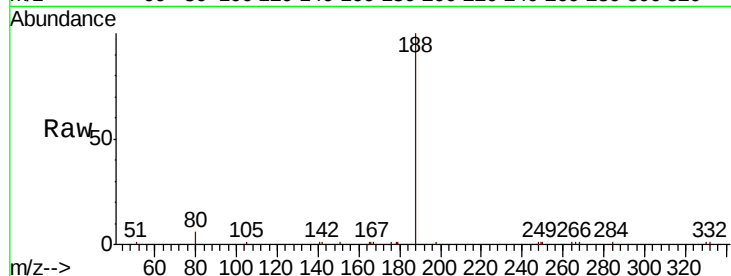
Tot Ion:188 Resp: 11807

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

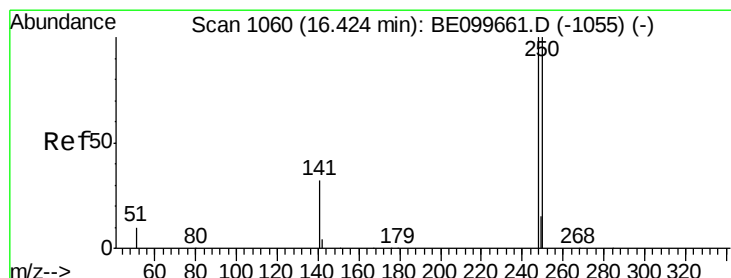
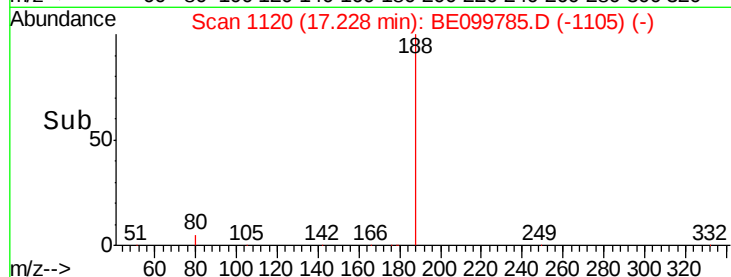
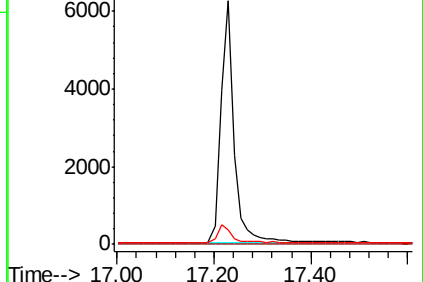
80 6.1 6.7 10.1#



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: 0.336 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

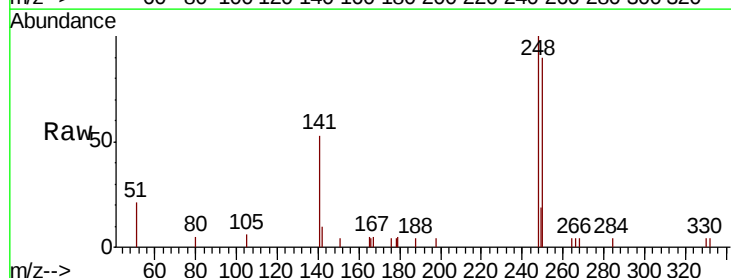
Tgt Ion:248 Resp: 2289

Ion Ratio Lower Upper

248 100

250 90.2 79.8 119.8

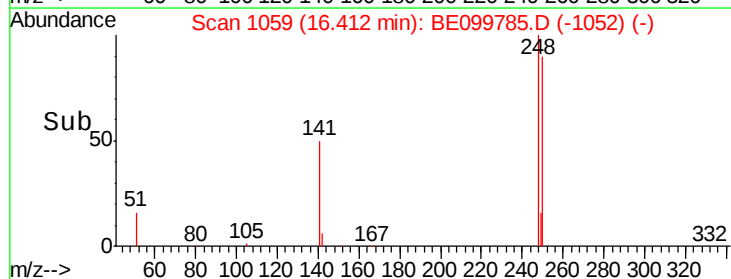
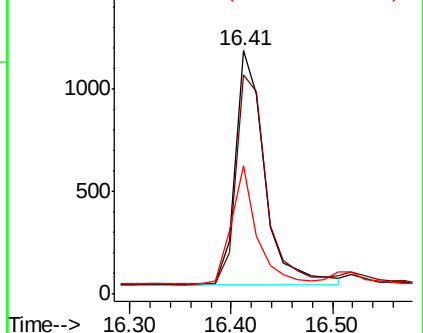
141 52.6 27.0 40.6#

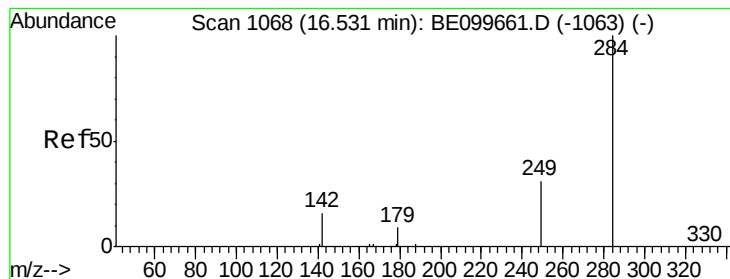


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.344 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

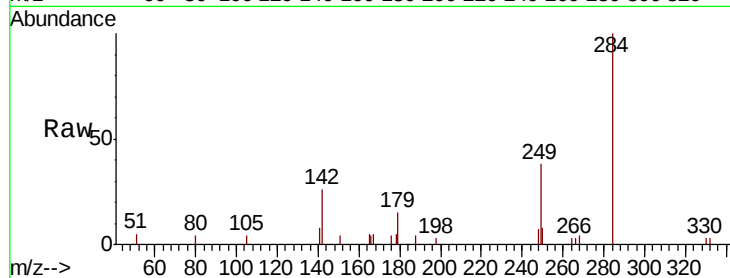
Tot Ion:284 Resp: 2399

Ion Ratio Lower Upper

284 100

142 22.2 17.8 26.6

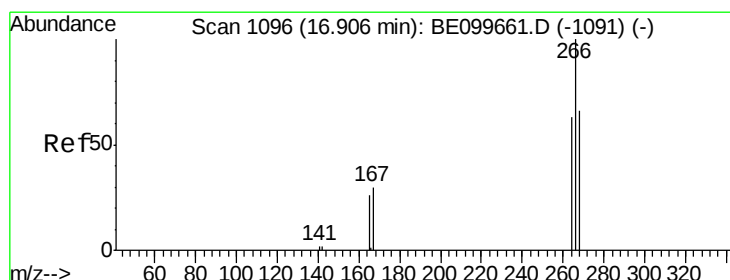
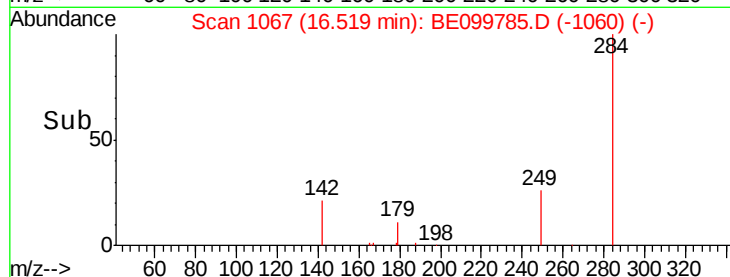
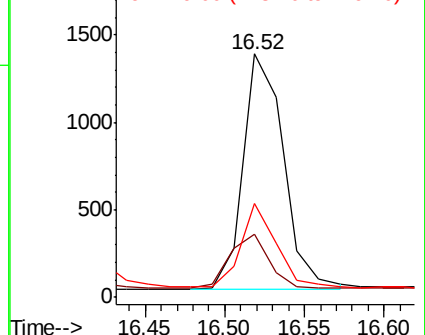
249 30.4 24.8 37.2



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: 0.417 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

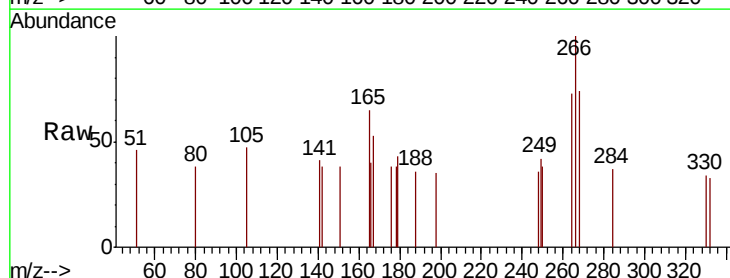
Tgt Ion:266 Resp: 508

Ion Ratio Lower Upper

266 100

264 72.9 57.2 85.8

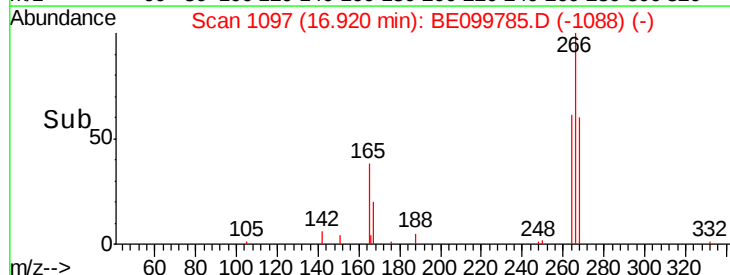
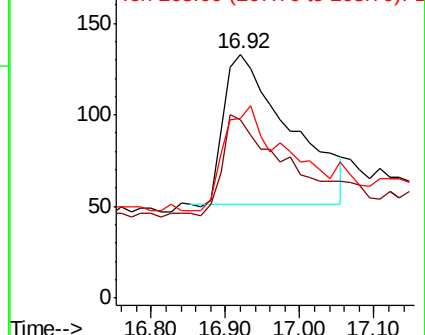
268 73.7 60.5 90.7



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: 0.334 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

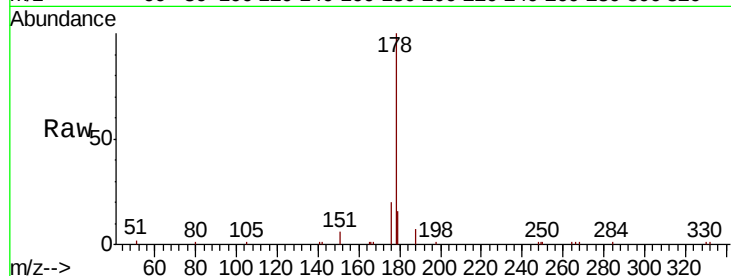
Tot Ion:178 Resp: 9631

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

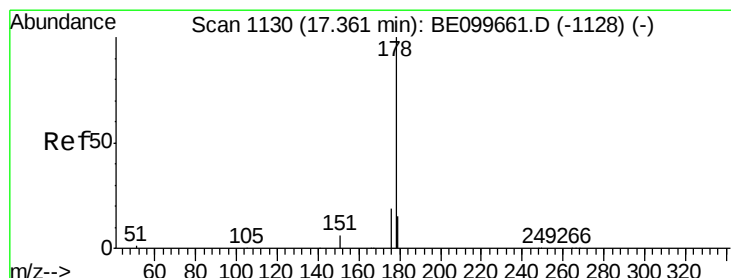
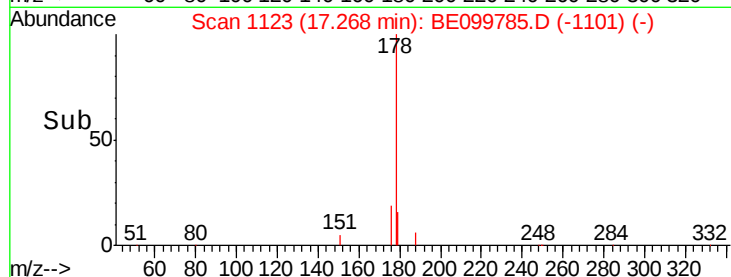
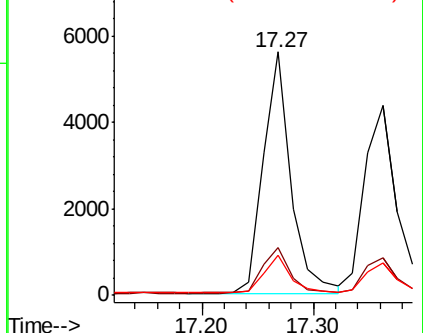
179 15.5 12.2 18.4



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: 0.321 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

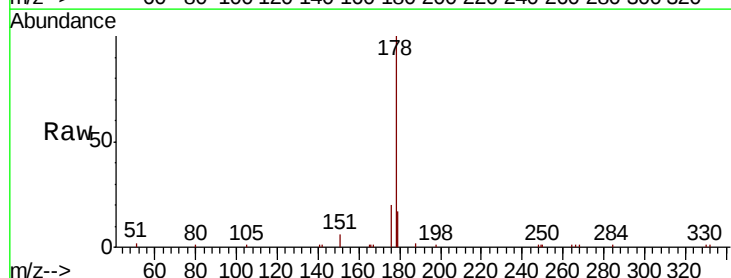
Tgt Ion:178 Resp: 8399

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

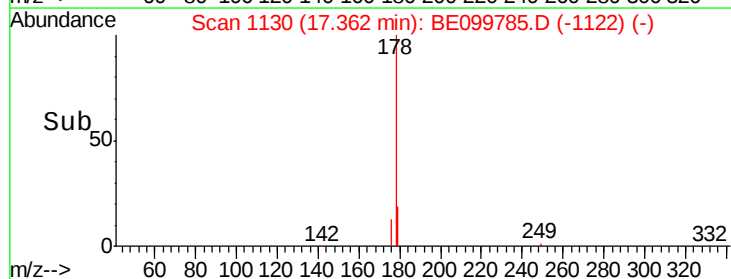
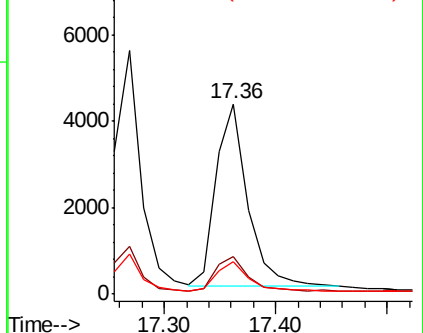
179 15.8 12.0 18.0

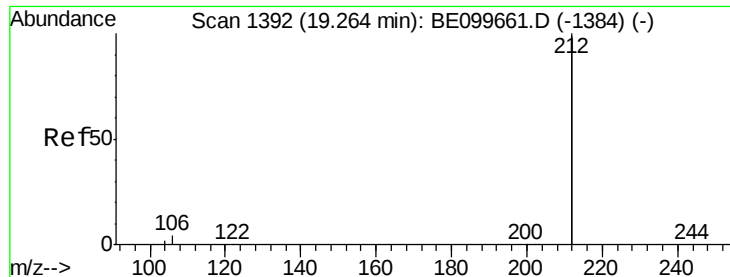


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

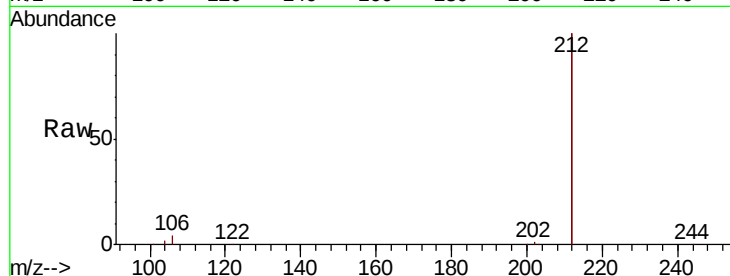
Tot Ion:212 Resp: 57758

Ion Ratio Lower Upper

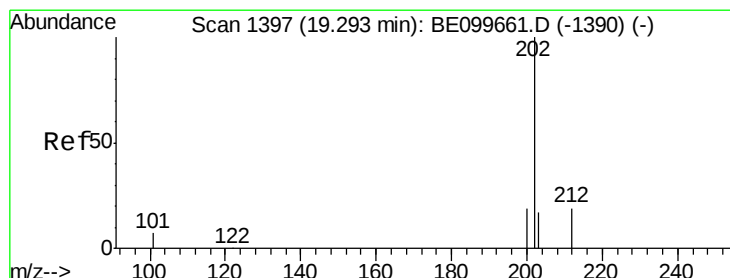
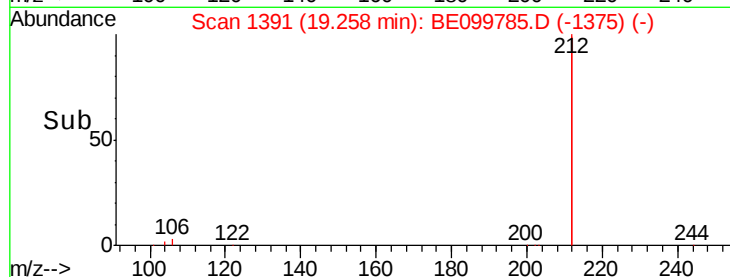
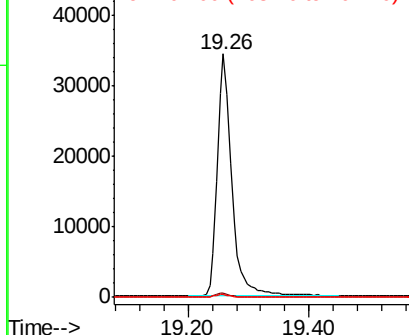
212 100

106 1.8 1.4 2.2

104 1.0 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: 0.348 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

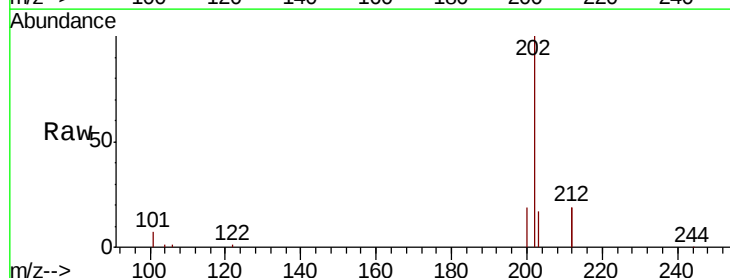
Tgt Ion:202 Resp: 15883

Ion Ratio Lower Upper

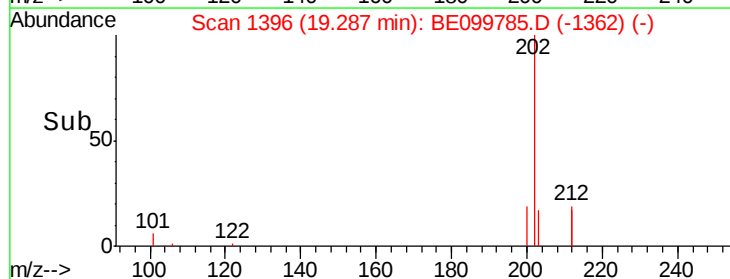
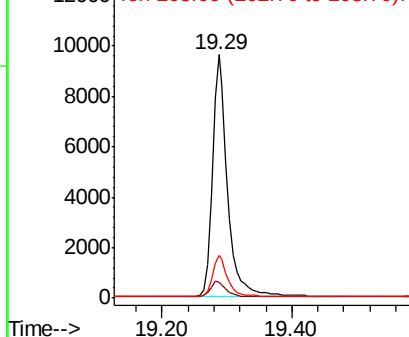
202 100

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: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

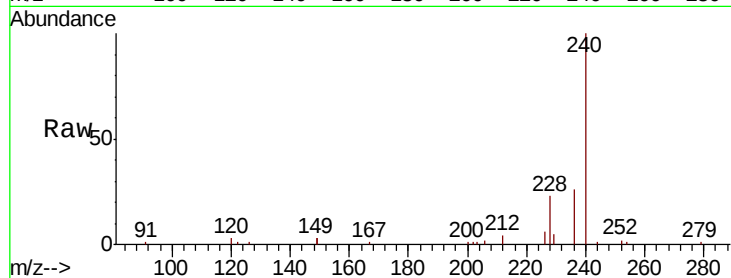
Tot Ion:240 Resp: 17829

Ion Ratio Lower Upper

240 100

120 3.2 5.4 8.0#

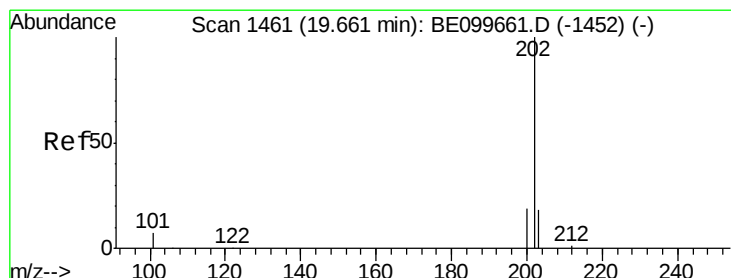
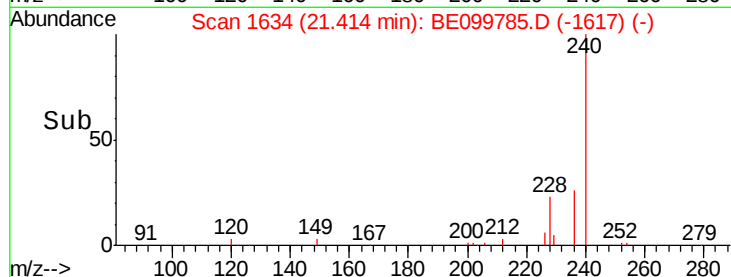
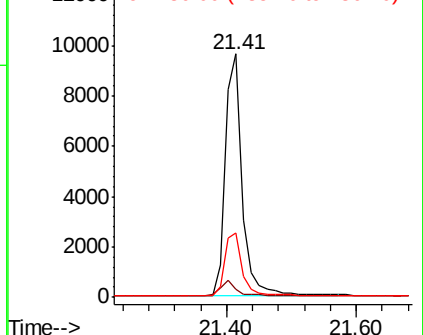
236 26.5 21.7 32.5



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: 0.363 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

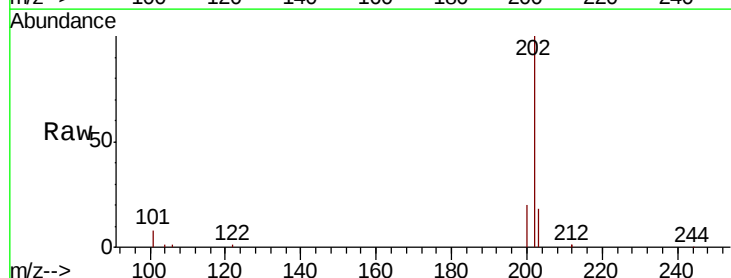
Tgt Ion:202 Resp: 16244

Ion Ratio Lower Upper

202 100

200 19.7 15.4 23.2

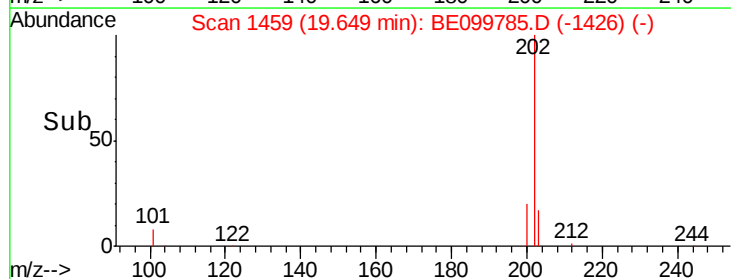
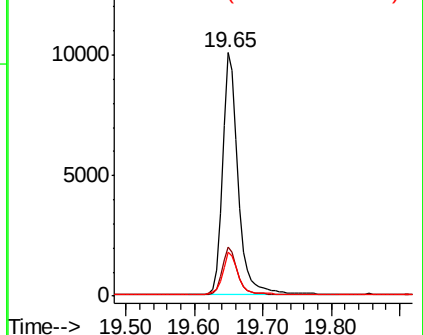
203 17.8 13.8 20.8

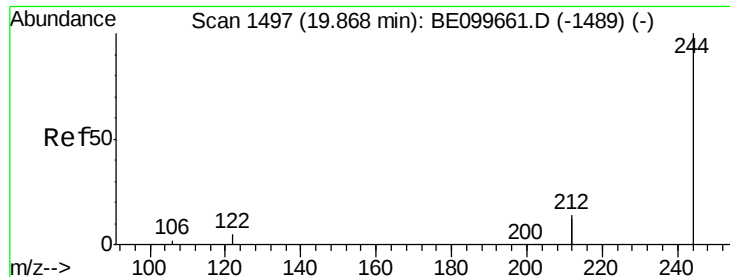


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.389 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

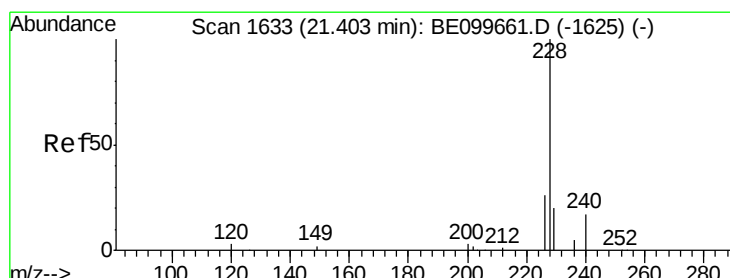
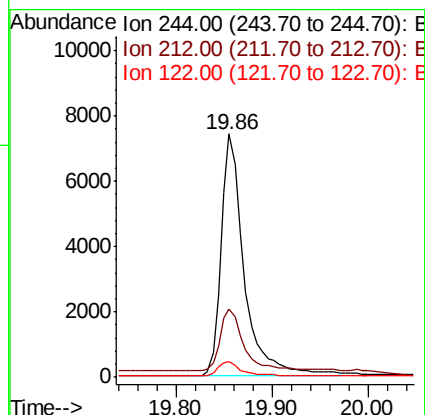
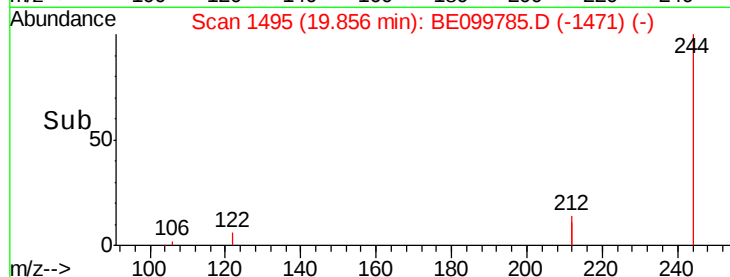
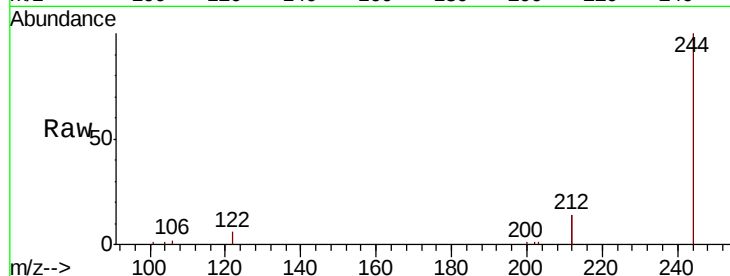
Tot Ion:244 Resp: 12378

Ion Ratio Lower Upper

244 100

212 28.2 22.5 33.7

122 6.3 4.3 6.5



#30

Benzo(a)anthracene

Concen: 0.406 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

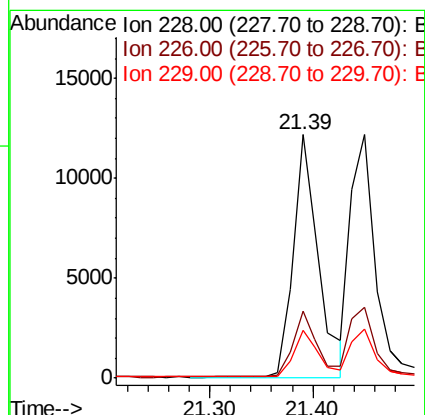
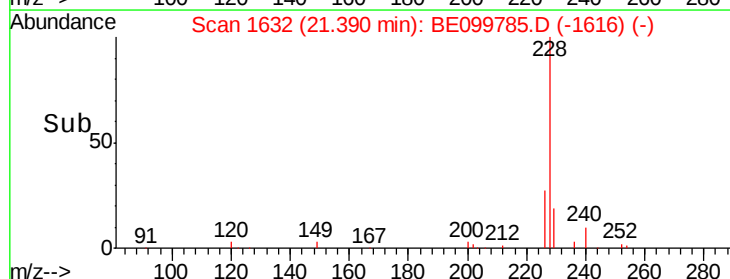
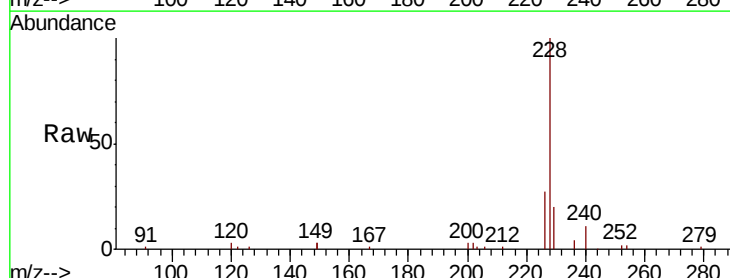
Tgt Ion:228 Resp: 20548

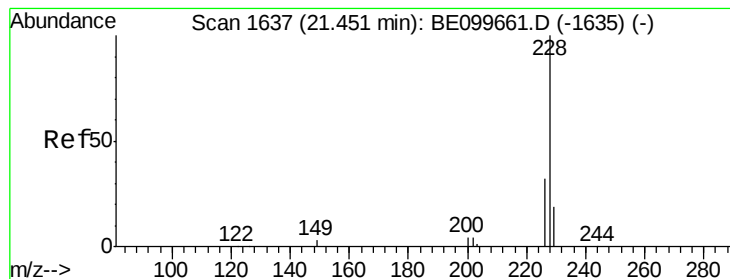
Ion Ratio Lower Upper

228 100

226 27.4 21.3 31.9

229 19.6 16.1 24.1

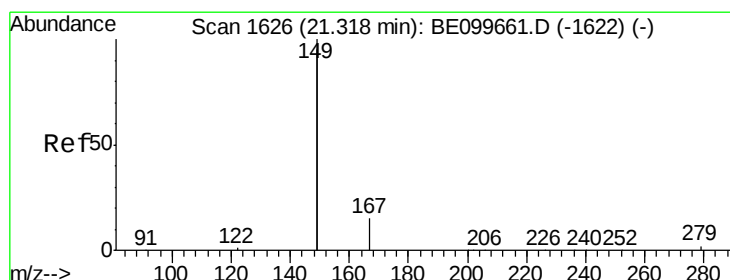
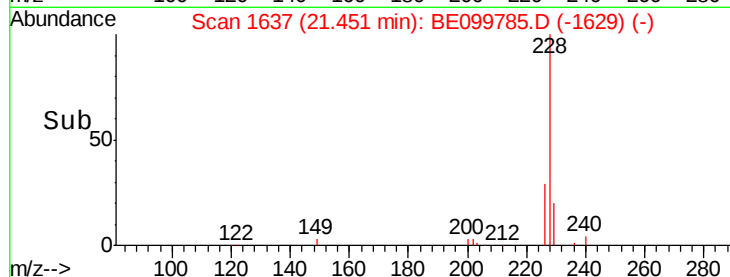
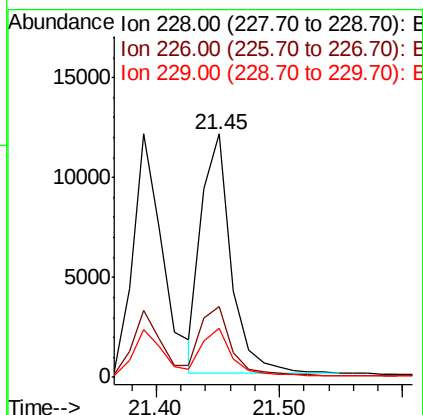
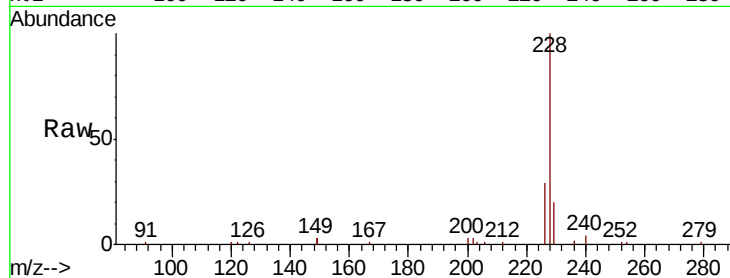




#31
Chrysene
Concen: 0.368 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

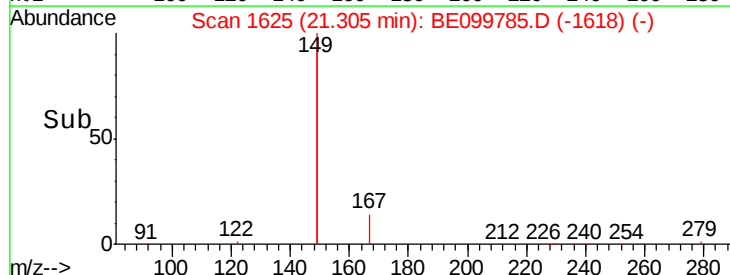
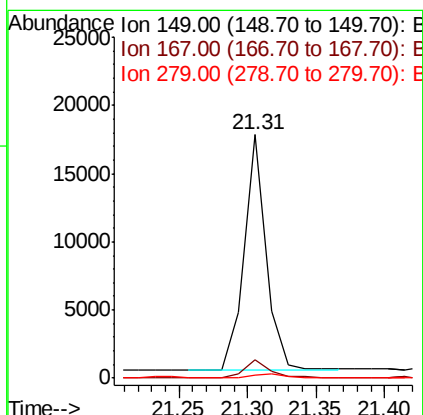
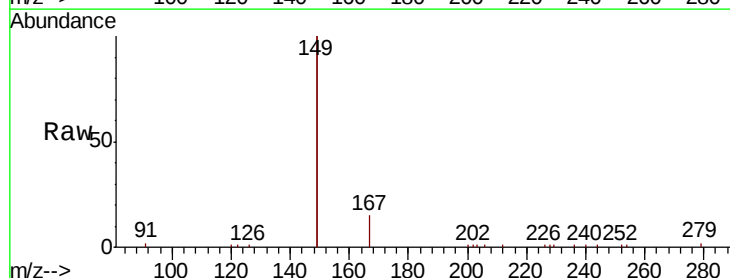
Instrument :
BNA_E
ClientSampleId :
PB120277BS

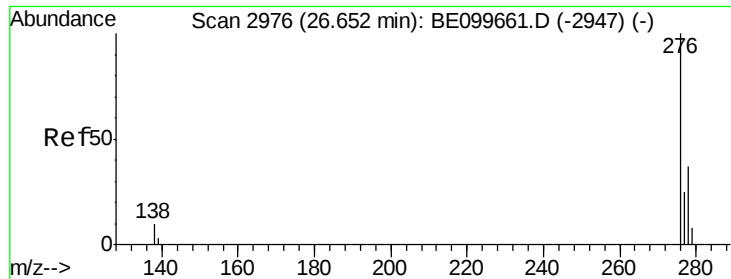
Tot Ion:228 Resp: 19955
Ion Ratio Lower Upper
228 100
226 29.3 24.7 37.1
229 20.1 15.8 23.6



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.331 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Tgt Ion:149 Resp: 19342
Ion Ratio Lower Upper
149 100
167 7.6 6.2 9.4
279 1.5 1.2 1.8

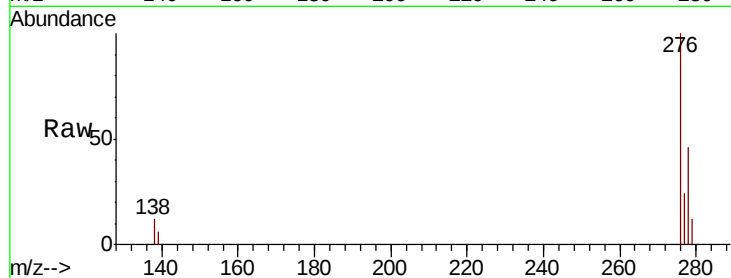




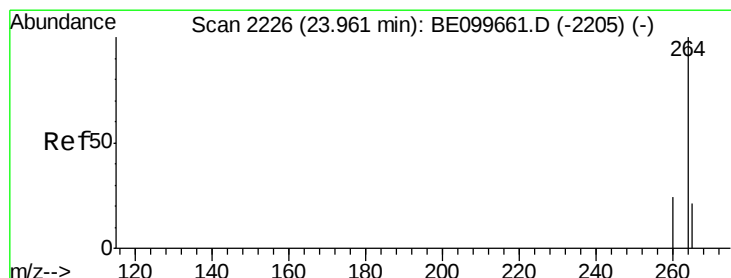
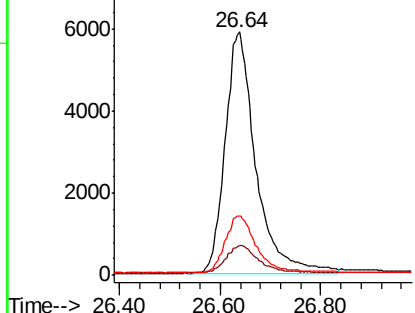
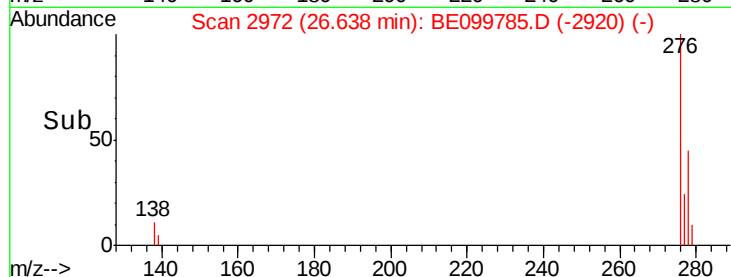
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.380 ng
 RT: 26.64 min Scan# 2972
 Delta R.T. -0.01 min
 Lab File: BE099785.D
 Acq: 3 Jun 2019 14:24

Instrument :
 BNA_E
 ClientSampleId :
 PB120277BS

Tot Ion:276 Resp: 24842
 Ion Ratio Lower Upper
 276 100
 138 11.9 9.6 14.4
 277 24.0 19.2 28.8

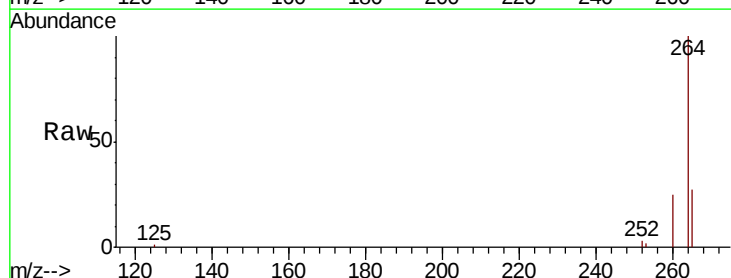


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

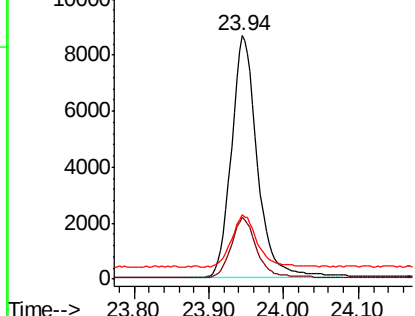
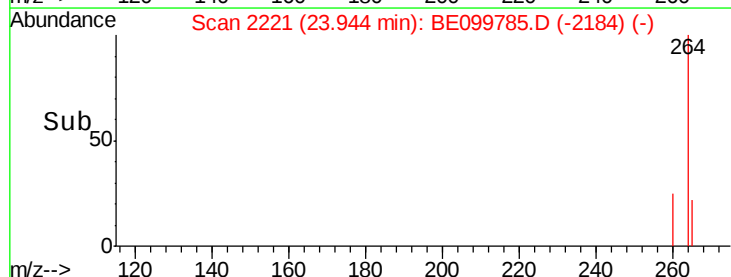


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.94 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BE099785.D
 Acq: 3 Jun 2019 14:24

Tgt Ion:264 Resp: 20897
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.6 29.4
 265 26.6 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: 0.357 ng

RT: 23.16 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

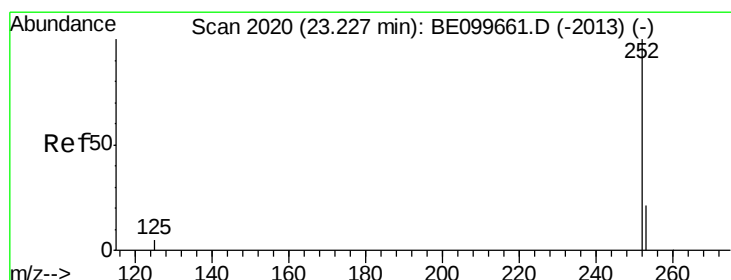
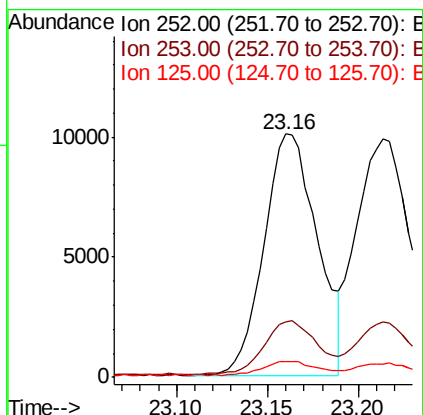
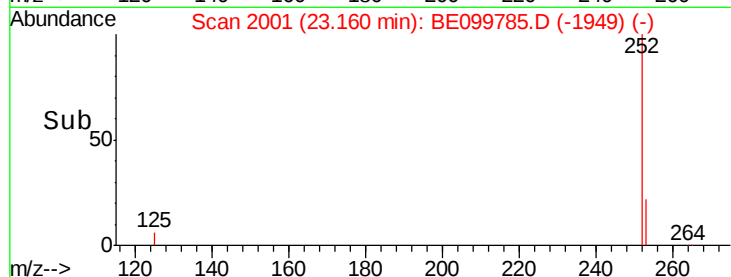
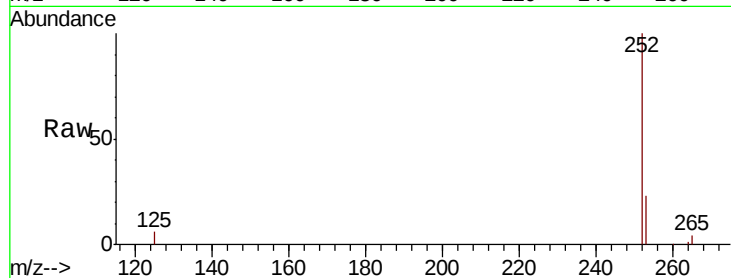
Tot Ion:252 Resp: 20434

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

125 6.4 4.5 6.7



#36

Benzo(k)fluoranthene

Concen: 0.371 ng

RT: 23.21 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

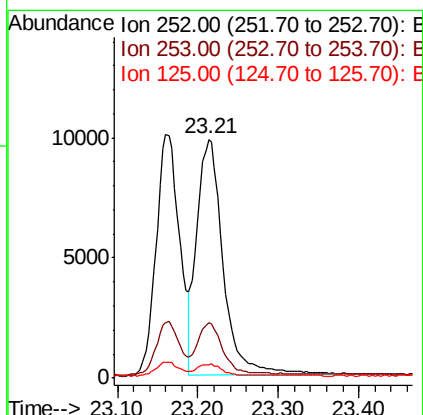
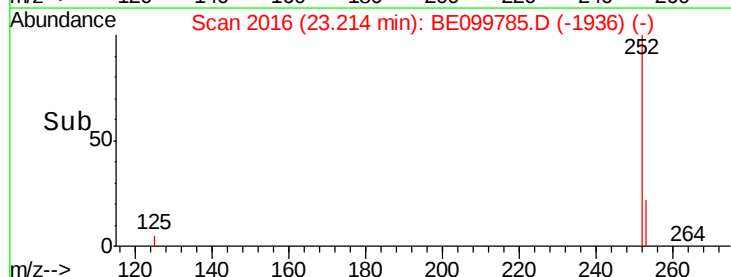
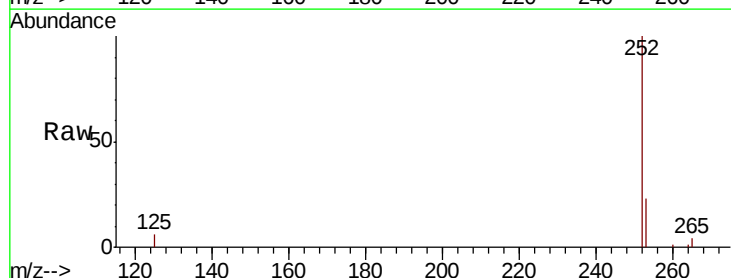
Tgt Ion:252 Resp: 22144

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 5.6 4.6 6.8

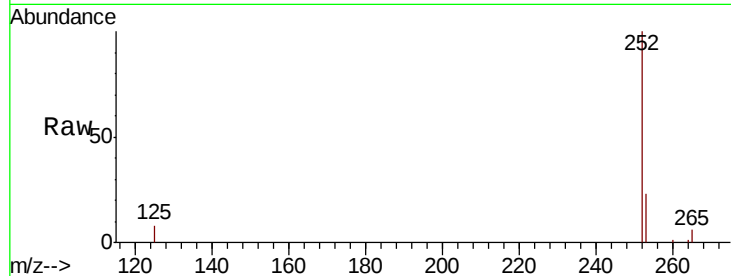




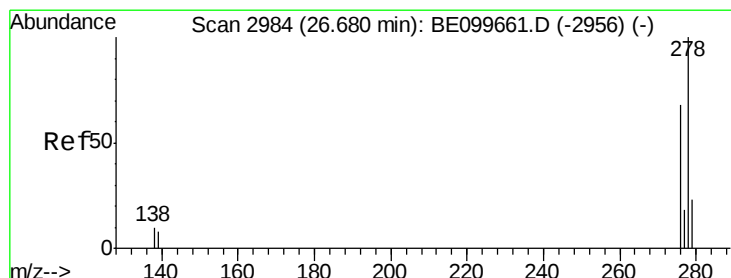
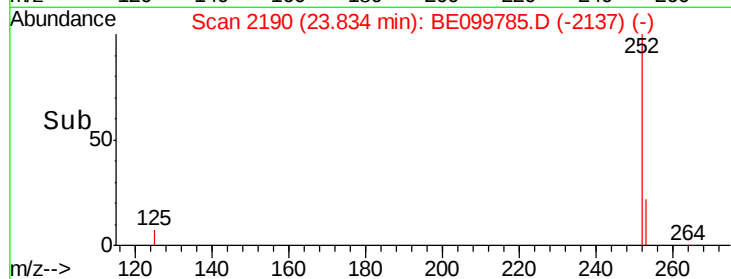
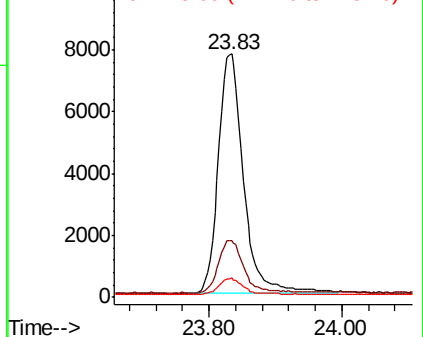
#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Instrument :
BNA_E
ClientSampleId :
PB120277BS

Tot Ion:252 Resp: 20578
Ion Ratio Lower Upper
252 100
253 23.3 18.9 28.3
125 7.9 5.4 8.0

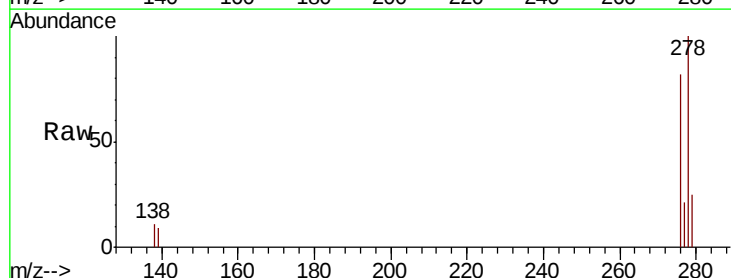


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

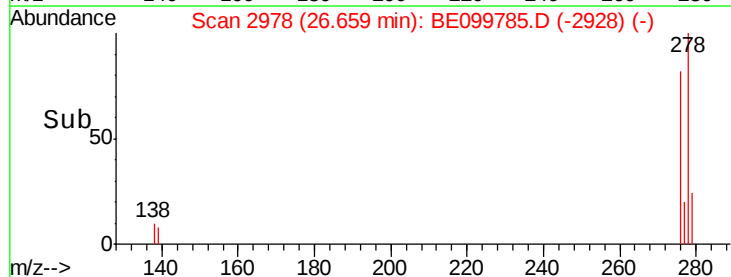
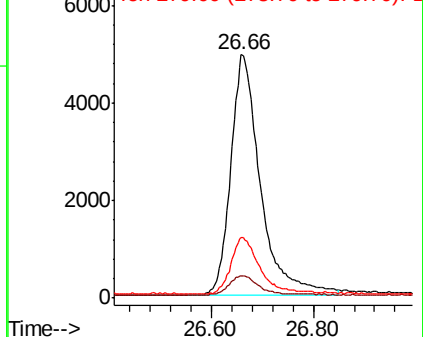


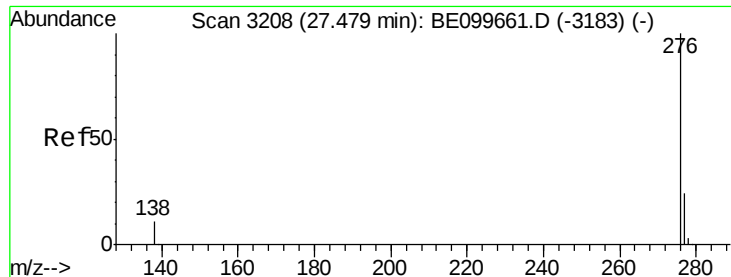
#38
Dibenzo(a,h)anthracene
Concen: 0.348 ng
RT: 26.66 min Scan# 2978
Delta R.T. -0.02 min
Lab File: BE099785.D
Acq: 3 Jun 2019 14:24

Tgt Ion:278 Resp: 20154
Ion Ratio Lower Upper
278 100
139 9.3 6.9 10.3
279 25.1 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: 0.371 ng

RT: 27.47 min Scan# 3204

Delta R.T. -0.01 min

Lab File: BE099785.D

Acq: 3 Jun 2019 14:24

Instrument :

BNA_E

ClientSampleId :

PB120277BS

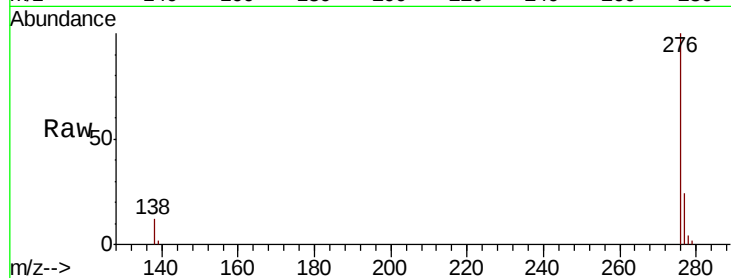
Tot Ion: 276 Resp: 21665

Ion Ratio Lower Upper

276 100

277 24.2 19.8 29.6

138 11.8 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

