

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099737.D
 Acq On : 24 May 2019 11:59
 Operator : JU/SJ
 Sample : PB119877BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 24 21:33:02 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	1703	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	5742	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3868	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	11018	0.40	ng	0.00
27) Chrysene-d12	21.40	240	16875	0.40	ng	-0.01
34) Perylene-d12	23.94	264	21362	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1581	0.37	ng	0.00
5) Phenol-d6	6.96	99	2093	0.37	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1803	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4640	0.47	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	769	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	5069	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	49427	0.33	ng	0.00
29) Terphenyl-d14	19.86	244	10825	0.36	ng	-0.01

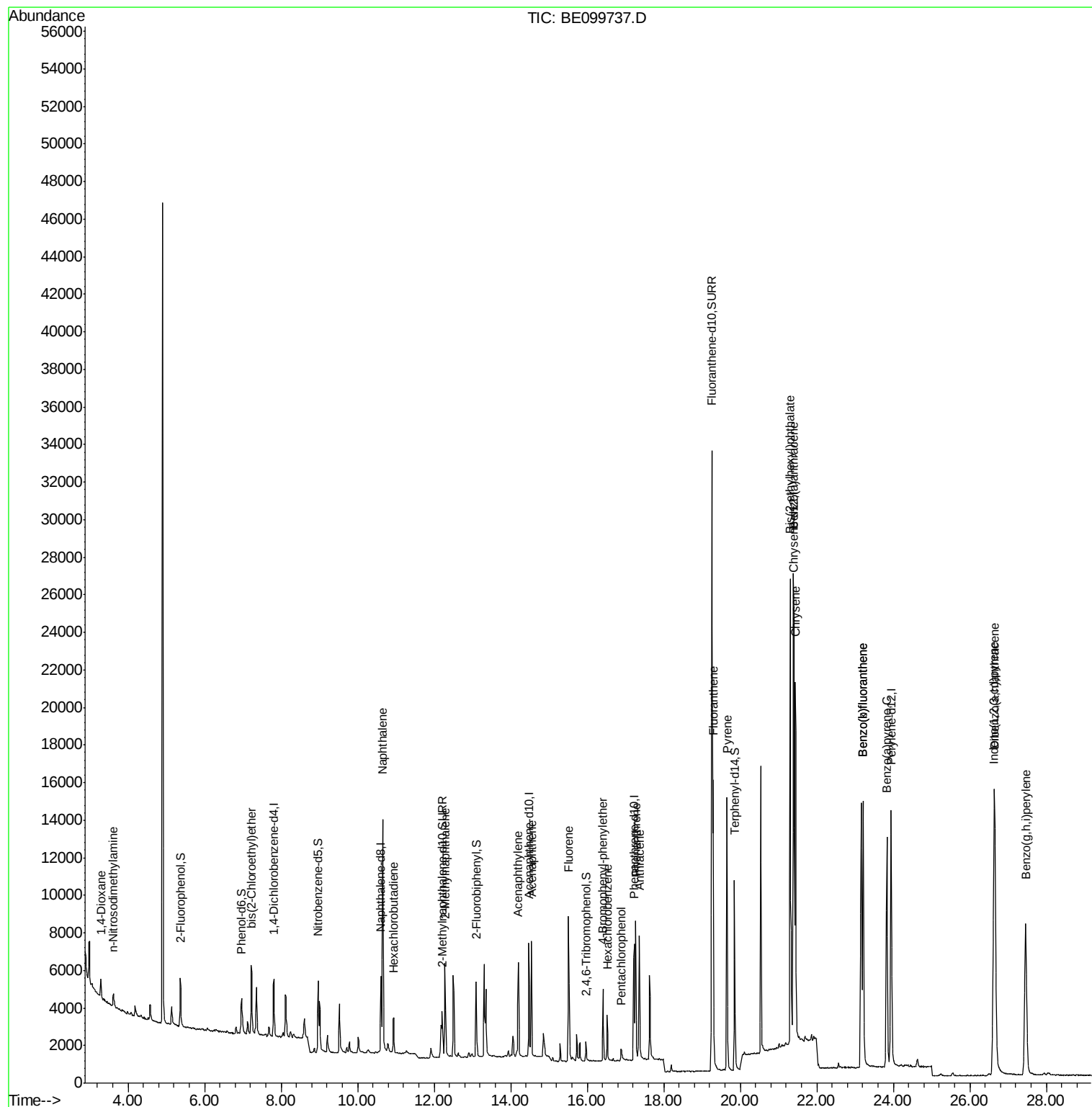
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	815	0.323	ng	# 59
3) n-Nitrosodimethylamine	3.60	42	553	0.397	ng	# 96
6) bis(2-Chloroethyl)ether	7.23	93	1775	0.350	ng	95
9) Naphthalene	10.65	128	21968	0.358	ng	100
10) Hexachlorobutadiene	10.94	225	1552	0.343	ng	99
12) 2-Methylnaphthalene	12.28	142	3574	0.357	ng	98
16) Acenaphthylene	14.20	152	6248	0.347	ng	99
17) Acenaphthene	14.54	154	3523	0.348	ng	100
18) Fluorene	15.51	166	5050	0.339	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	2197	0.346	ng	# 87
21) Hexachlorobenzene	16.52	284	2231	0.343	ng	99
22) Pentachlorophenol	16.89	266	700	0.525	ng	95
23) Phenanthrene	17.27	178	9340	0.347	ng	99
24) Anthracene	17.36	178	8666	0.355	ng	99
26) Fluoranthene	19.29	202	14543	0.342	ng	99
28) Pyrene	19.65	202	15095	0.356	ng	99
30) Benzo(a)anthracene	21.39	228	20064	0.418	ng	100
31) Chrysene	21.44	228	20090	0.392	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	26630	0.482	ng	99
33) Indeno(1,2,3-cd)pyrene	26.63	276	27070	0.437	ng	99
35) Benzo(b)fluoranthene	23.21	252	23069	0.394	ng	99
36) Benzo(k)fluoranthene	23.21	252	23218	0.380	ng	100
37) Benzo(a)pyrene	23.83	252	21683	0.385	ng	# 98
38) Dibenzo(a,h)anthracene	26.66	278	22373	0.378	ng	# 98
39) Benzo(g,h,i)perylene	27.46	276	22751	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: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

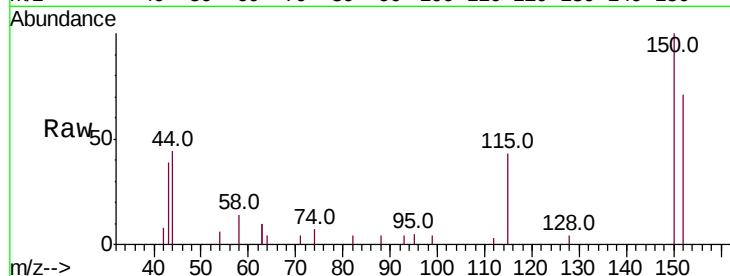
Tot Ion:152 Resp: 1703

Ion Ratio Lower Upper

152 100

150 141.1 109.2 163.8

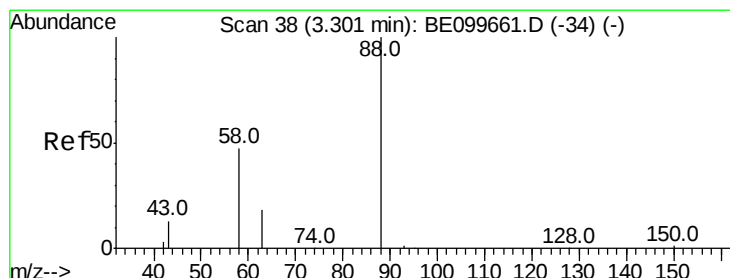
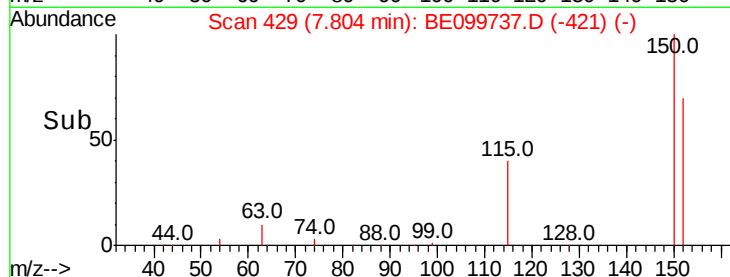
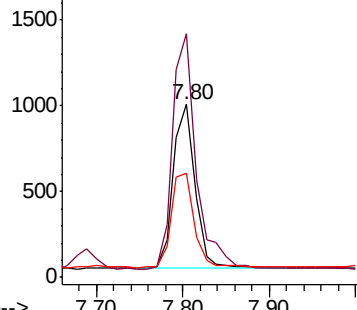
115 60.2 43.7 65.5



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: 0.323 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

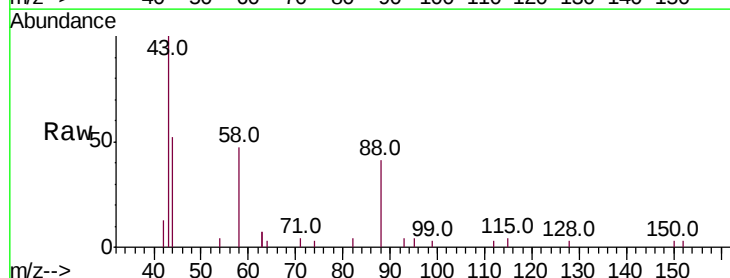
Tgt Ion: 88 Resp: 815

Ion Ratio Lower Upper

88 100

58 71.4 41.8 62.8#

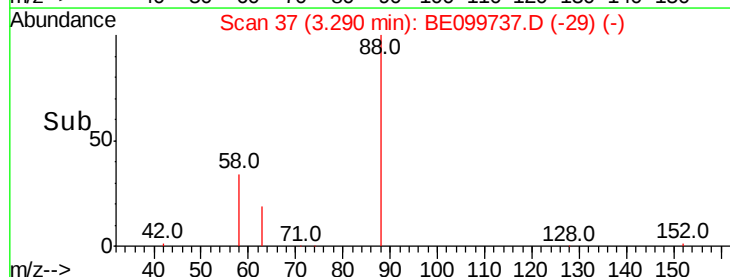
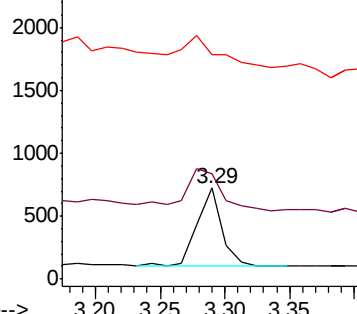
43 54.5 15.0 22.4#



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: 0.397 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.03 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

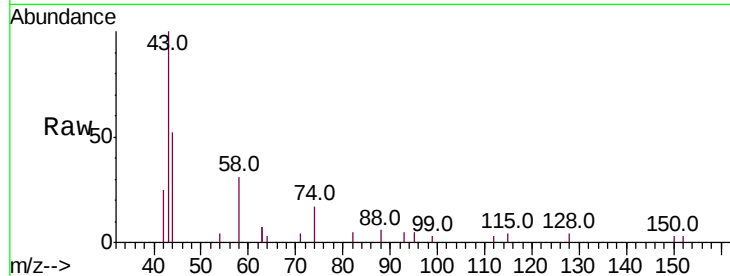
Tot Ion: 42 Resp: 553

Ion Ratio Lower Upper

42 100

74 167.1 129.2 193.8

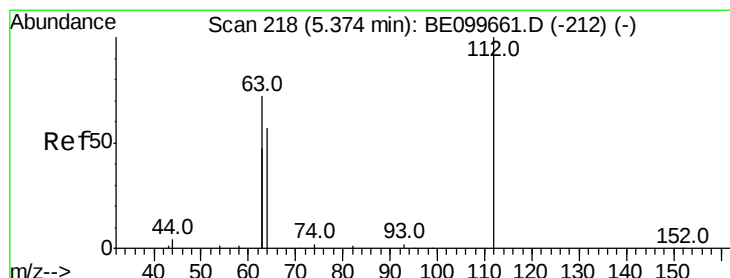
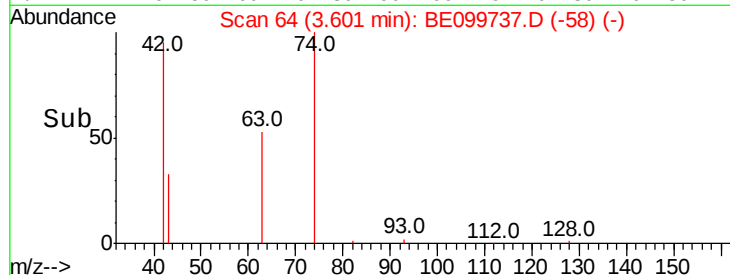
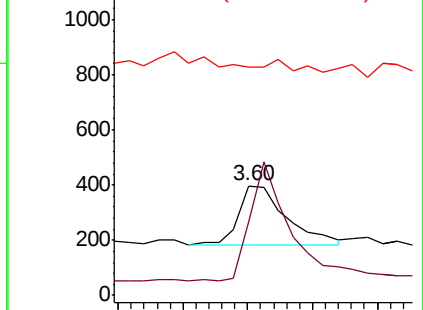
44 0.0 0.0 0.0



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: 0.367 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

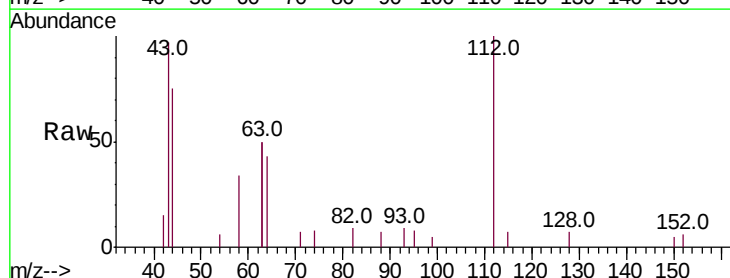
Tgt Ion: 112 Resp: 1581

Ion Ratio Lower Upper

112 100

64 53.5 43.4 65.2

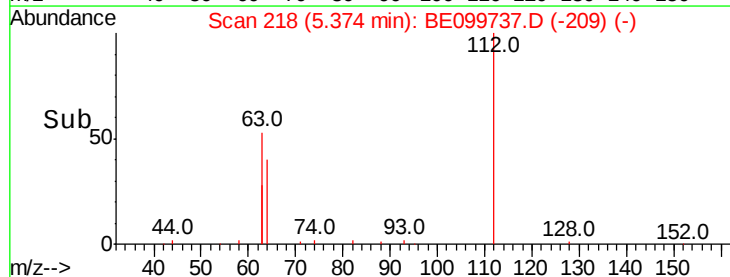
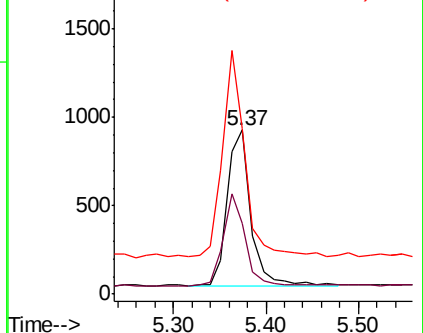
63 121.1 96.9 145.3

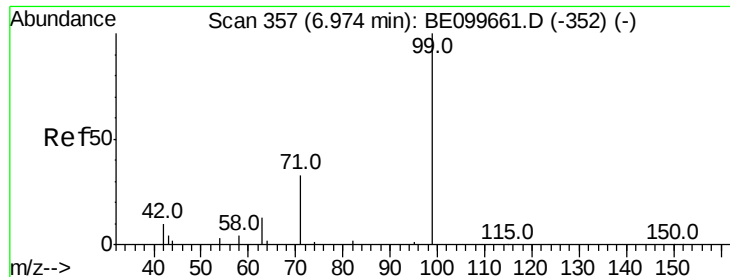


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.367 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

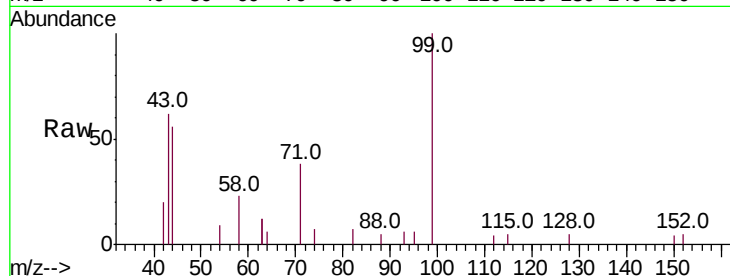
Tot Ion: 99 Resp: 2093

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

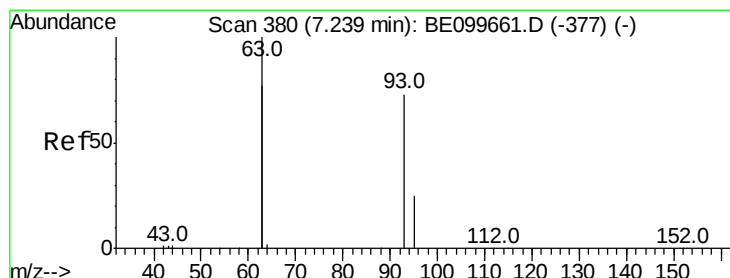
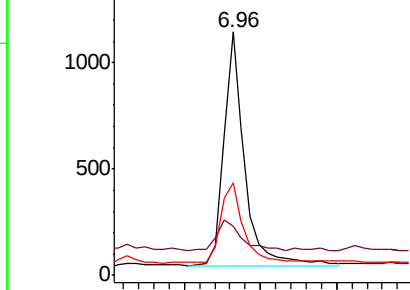
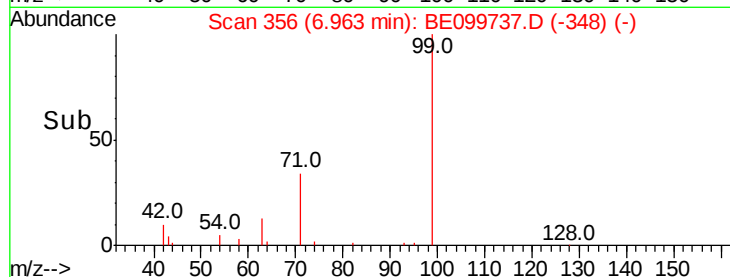
71 37.2 28.9 43.3



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: 0.350 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

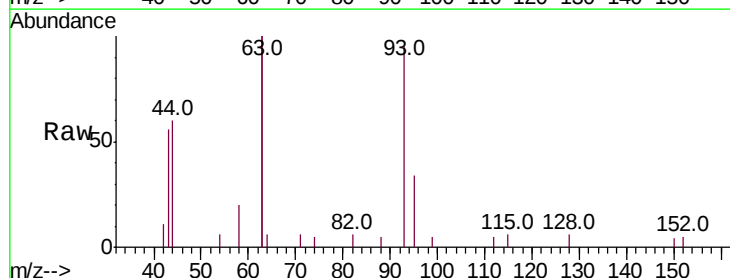
Tgt Ion: 93 Resp: 1775

Ion Ratio Lower Upper

93 100

63 268.1 207.8 311.6

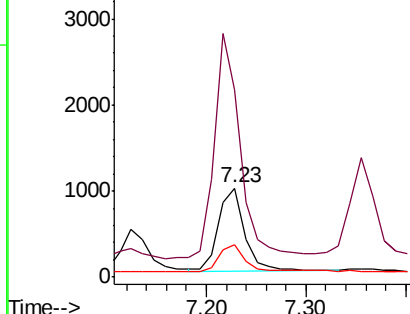
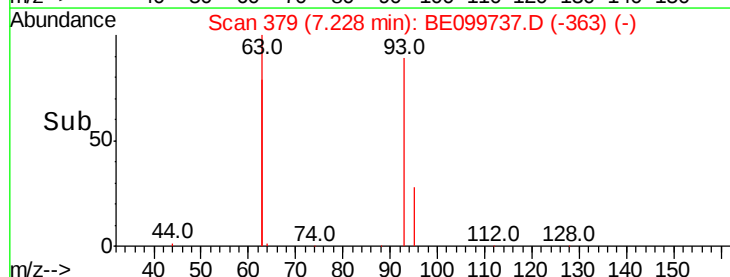
95 36.1 25.9 38.9

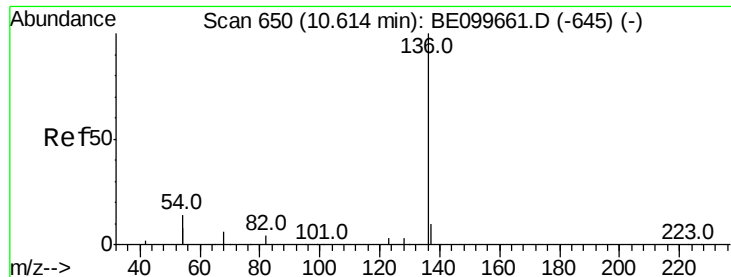


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5742

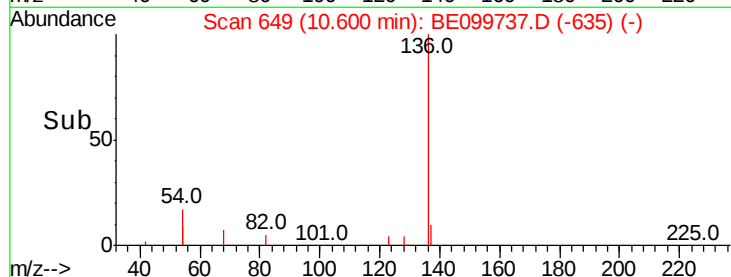
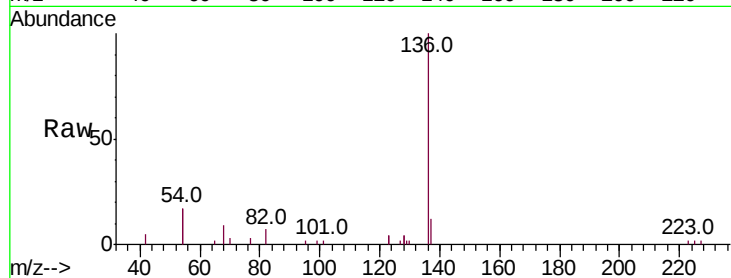
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.6

54 33.3 22.3 33.5

68 9.1 6.0 9.0#

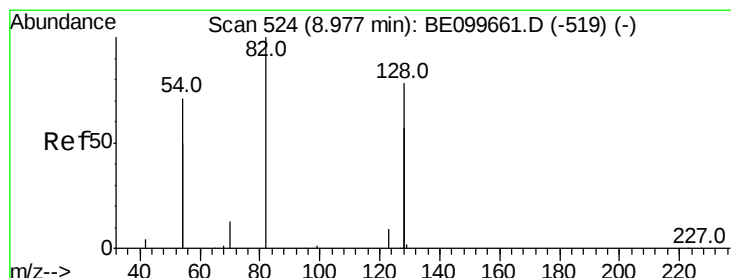
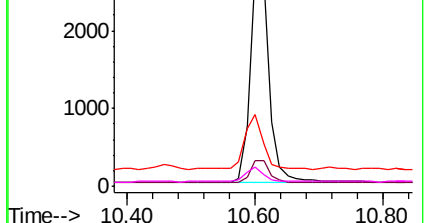


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.363 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

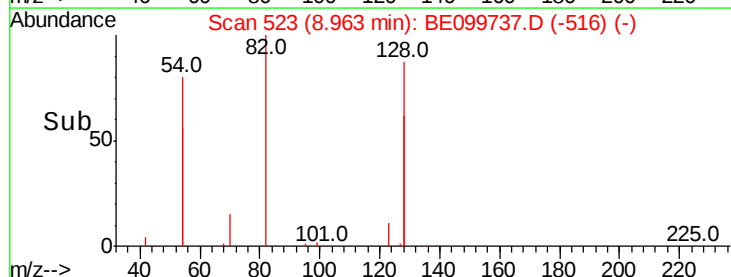
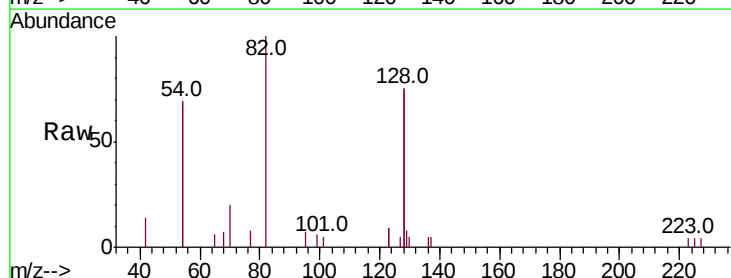
Tgt Ion: 82 Resp: 1803

Ion Ratio Lower Upper

82 100

128 149.7 117.7 176.5

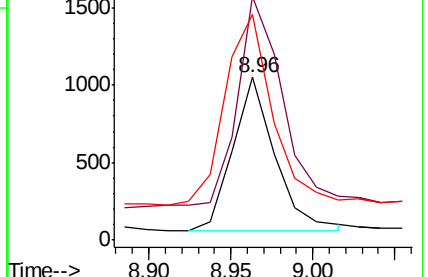
54 138.6 106.6 160.0

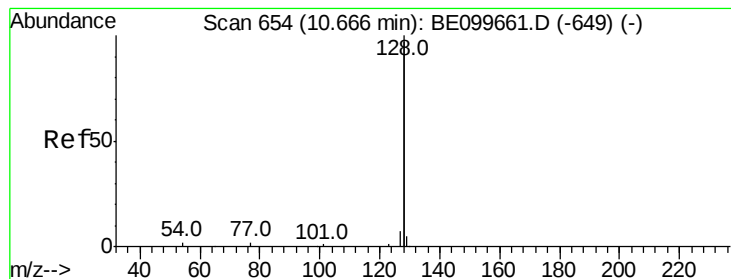


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.358 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

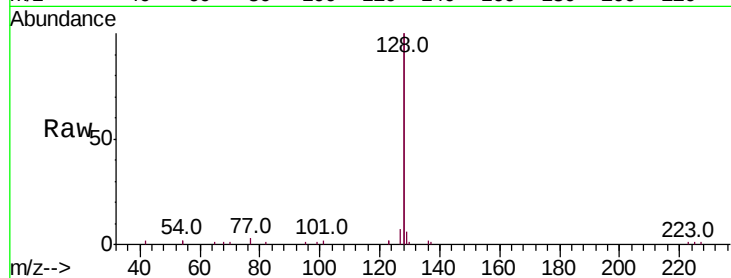
Tot Ion:128 Resp: 21968

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

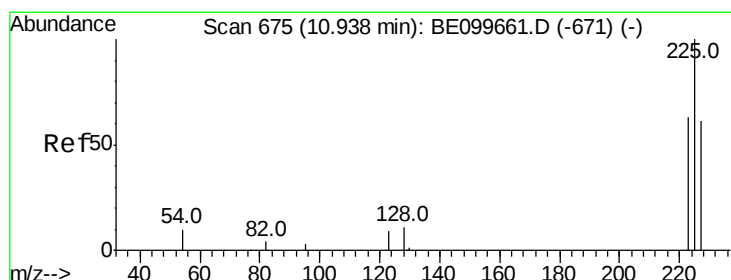
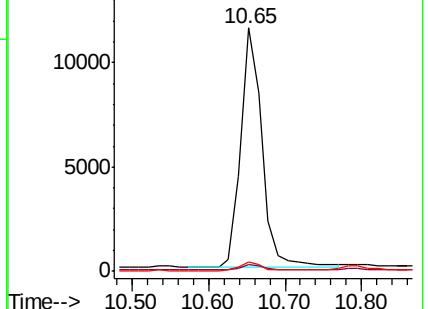
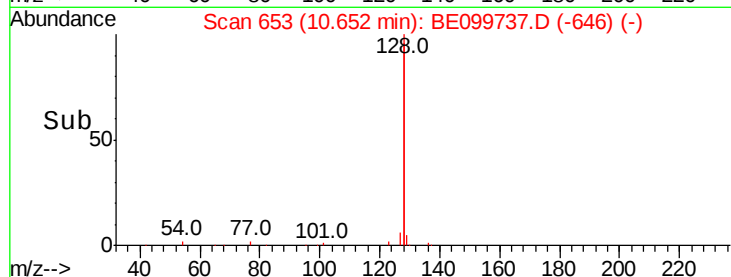
127 3.6 2.9 4.3



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: 0.343 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

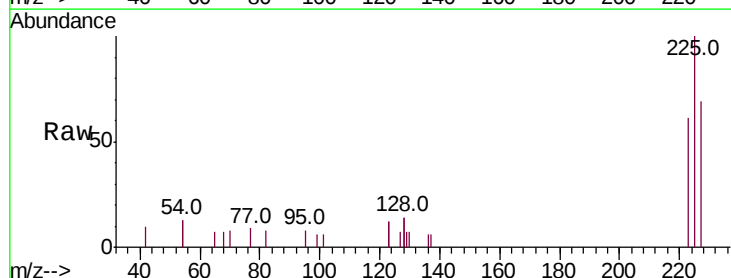
Tgt Ion:225 Resp: 1552

Ion Ratio Lower Upper

225 100

223 63.5 51.8 77.6

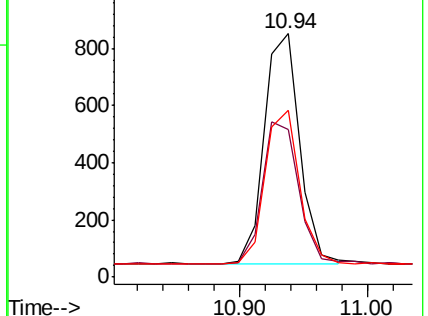
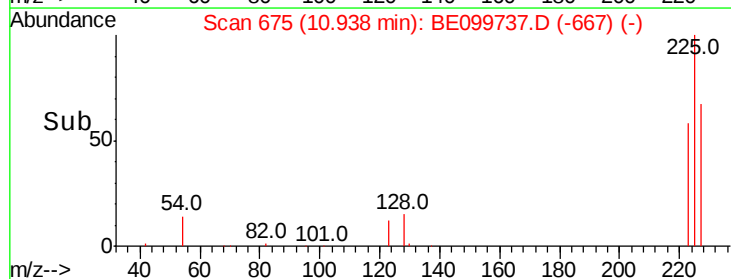
227 65.6 52.6 79.0

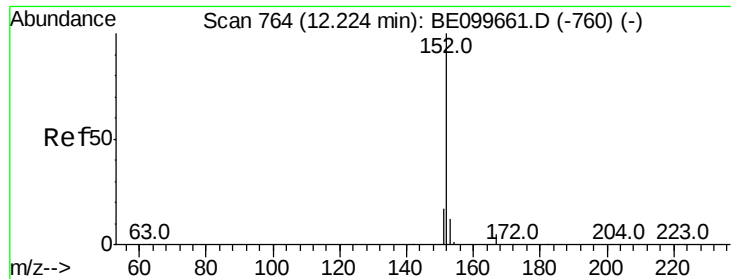


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

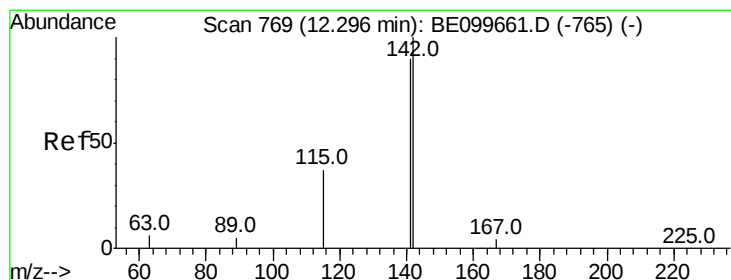
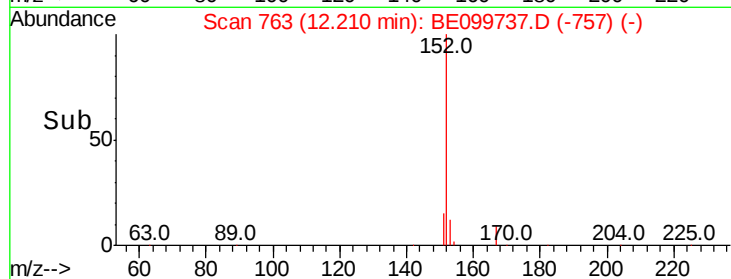
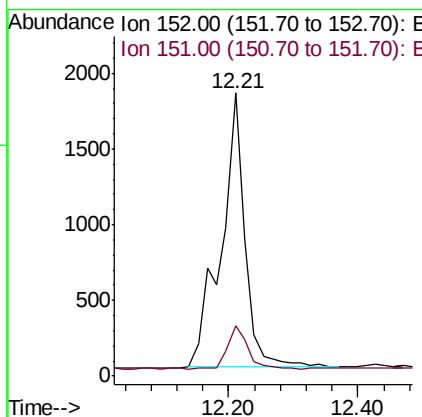
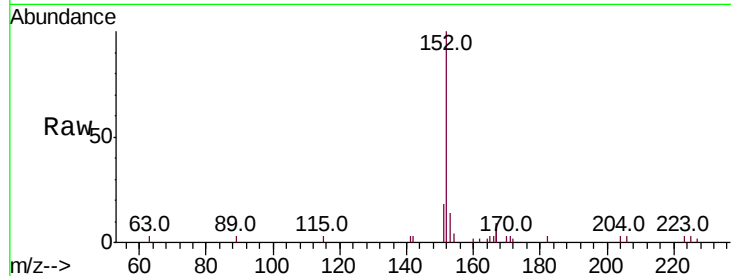




#11
 2-Methylnaphthalene-d10
 Concen: 0.468 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099737.D
 Acq: 24 May 2019 11:59

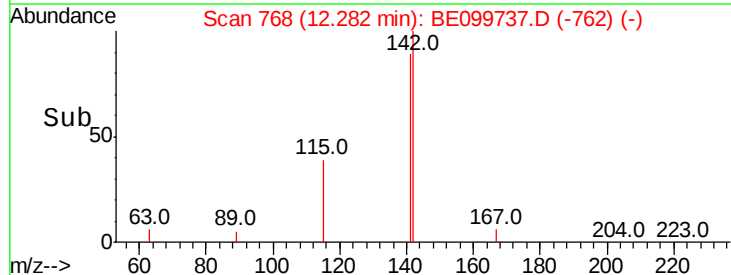
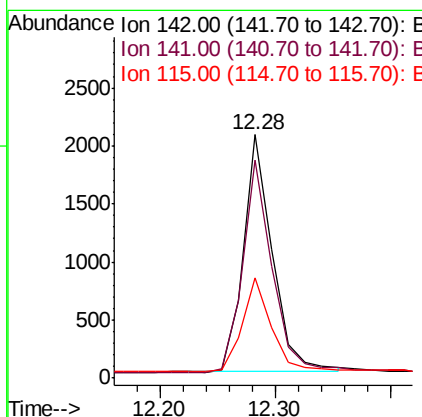
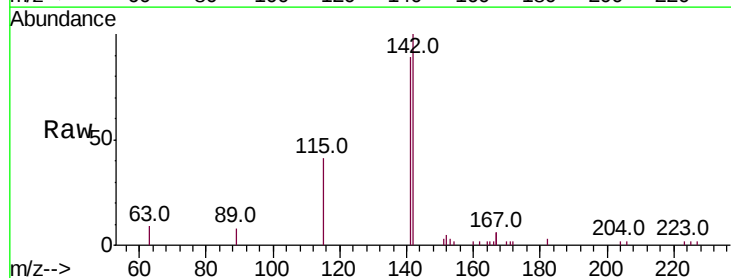
Instrument :
 BNA_E
 ClientSampleId :

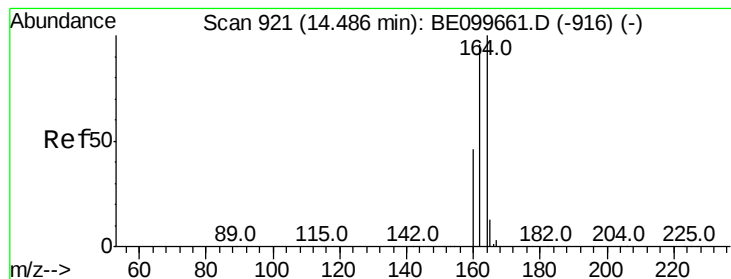
Tot Ion:152 Resp: 4640
 Ion Ratio Lower Upper
 152 100
 151 13.6 15.0 22.4#



#12
 2-Methylnaphthalene
 Concen: 0.357 ng
 RT: 12.28 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BE099737.D
 Acq: 24 May 2019 11:59

Tgt Ion:142 Resp: 3574
 Ion Ratio Lower Upper
 142 100
 141 89.4 72.0 108.0
 115 41.2 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: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

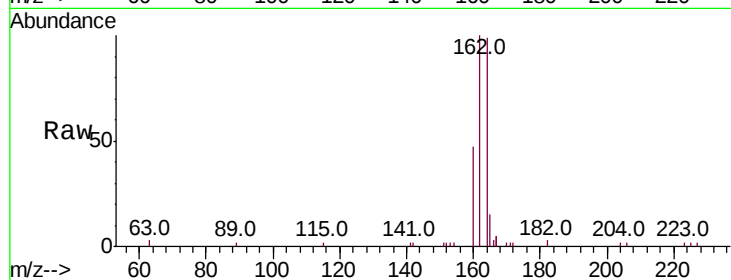
Tot Ion:164 Resp: 3868

Ion Ratio Lower Upper

164 100

162 101.0 76.5 114.7

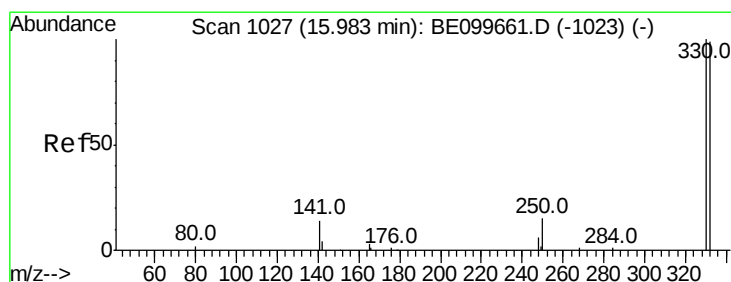
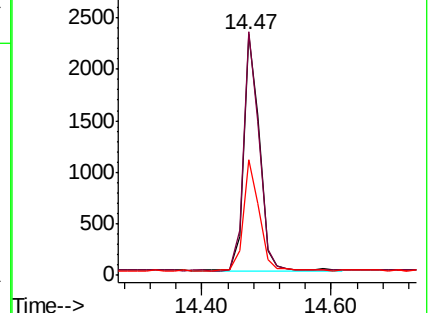
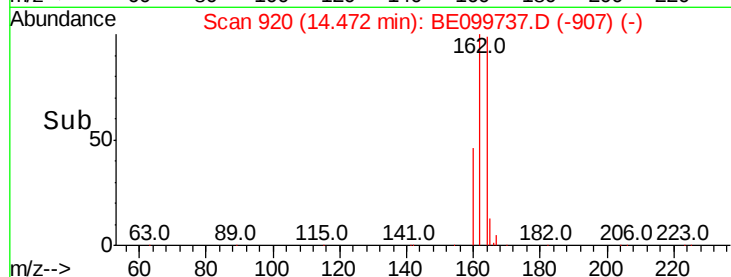
160 47.7 37.4 56.2



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: 0.393 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

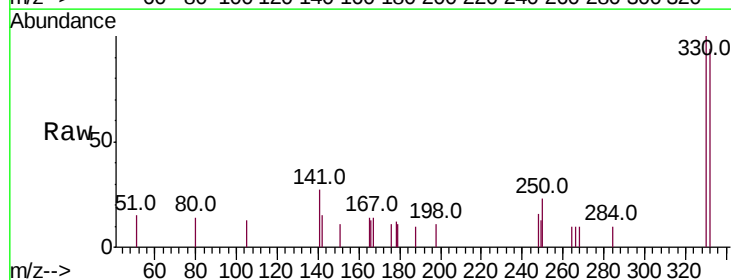
Tgt Ion:330 Resp: 769

Ion Ratio Lower Upper

330 100

332 92.6 77.3 115.9

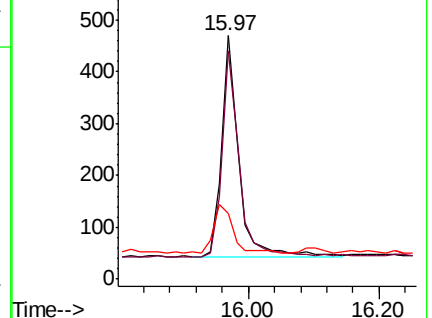
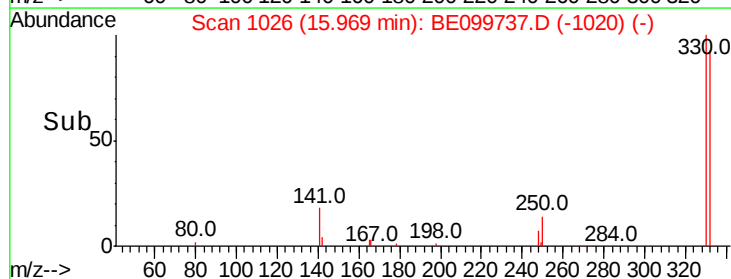
141 24.4 18.9 28.3

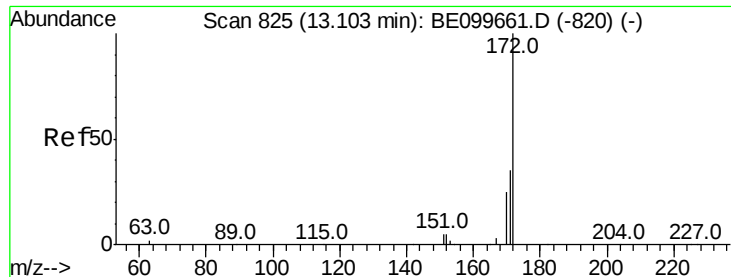


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

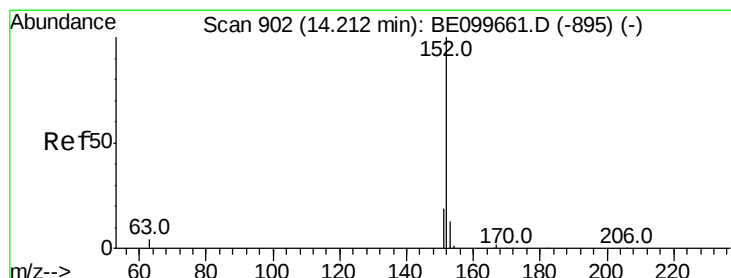
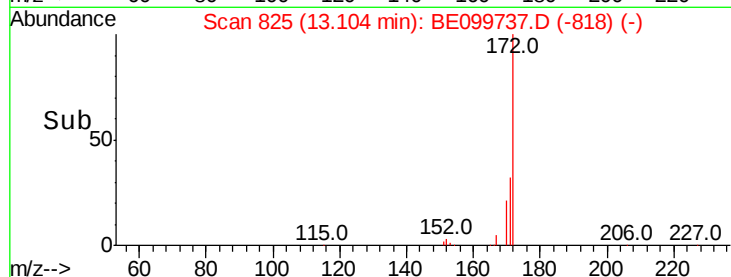
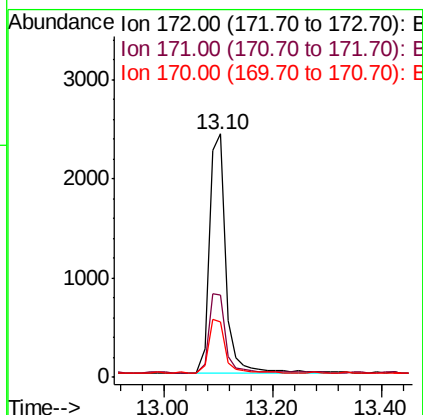
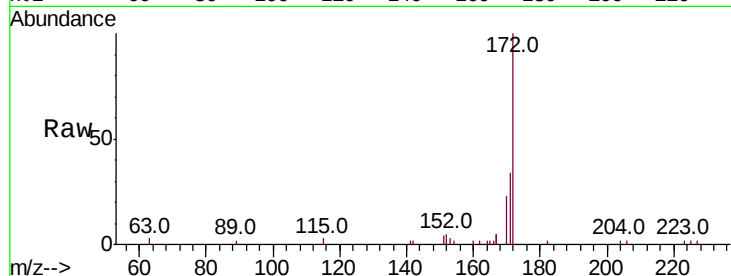




#15
 2-Fluorobiphenyl
 Concen: 0.345 ng
 RT: 13.10 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BE099737.D
 Acq: 24 May 2019 11:59

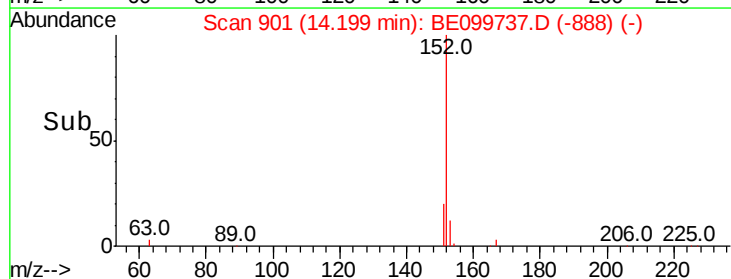
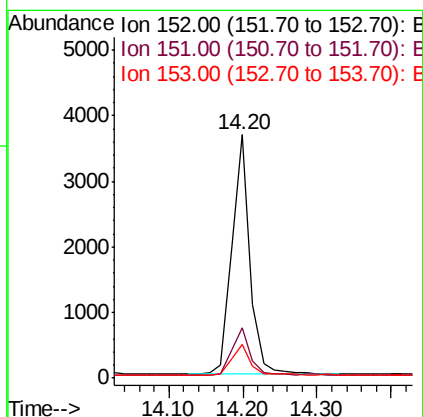
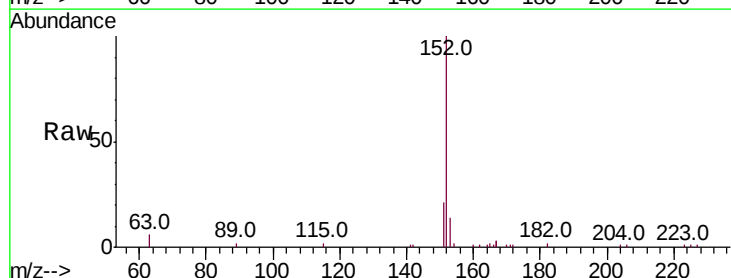
Instrument :
 BNA_E
 ClientSampleId :

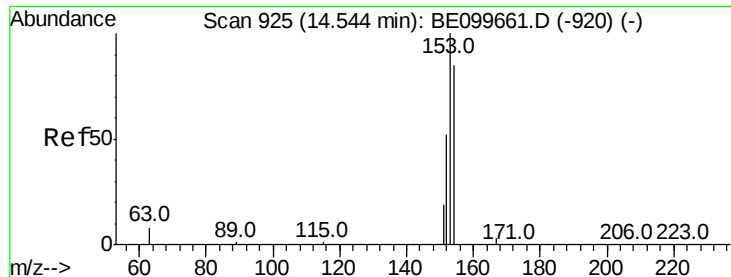
Tot Ion:172 Resp: 5069
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.7 43.1
 170 22.7 20.9 31.3



#16
 Acenaphthylene
 Concen: 0.347 ng
 RT: 14.20 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BE099737.D
 Acq: 24 May 2019 11:59

Tgt Ion:152 Resp: 6248
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.9 23.9
 153 12.5 10.6 16.0

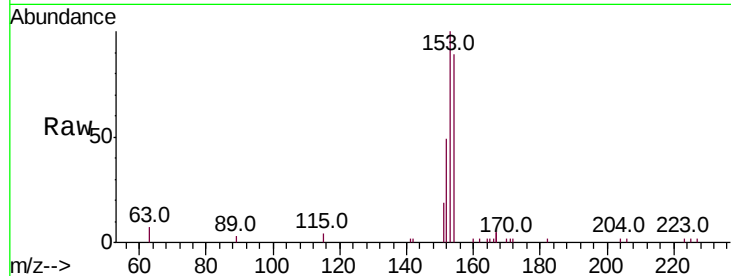




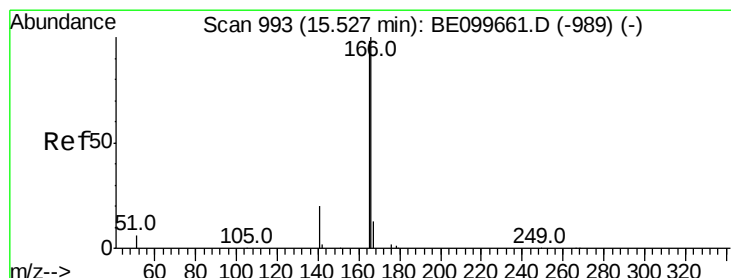
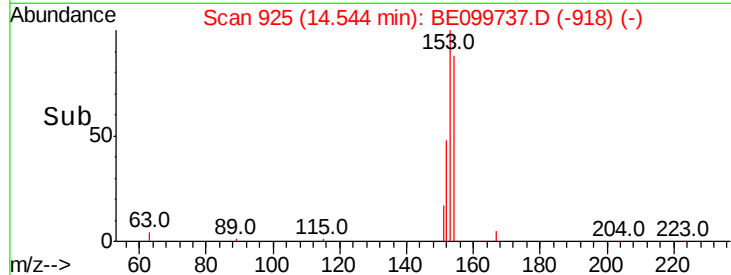
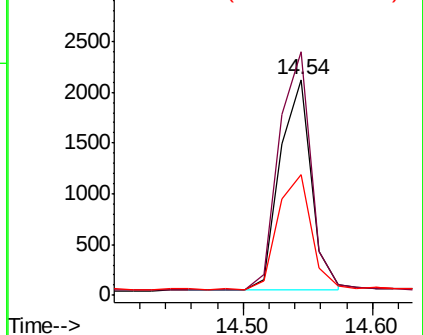
#17
Acenaphthene
Concen: 0.348 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 3523
Ion Ratio Lower Upper
154 100
153 115.1 91.8 137.6
152 57.9 46.0 69.0

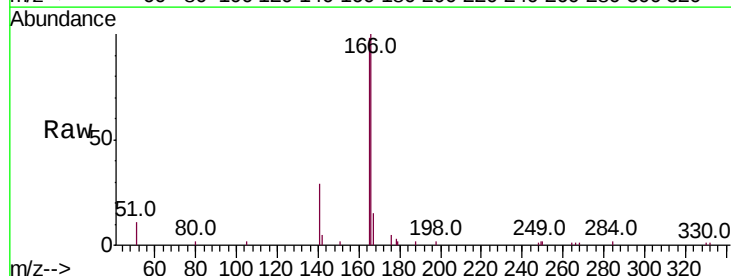


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

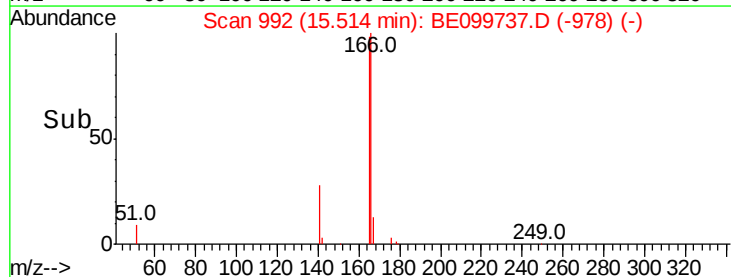
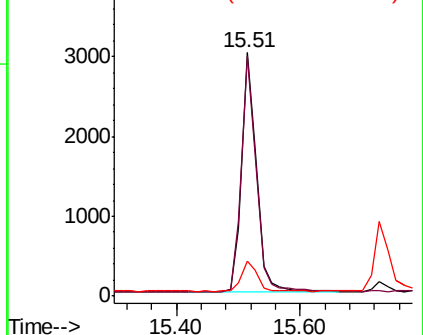


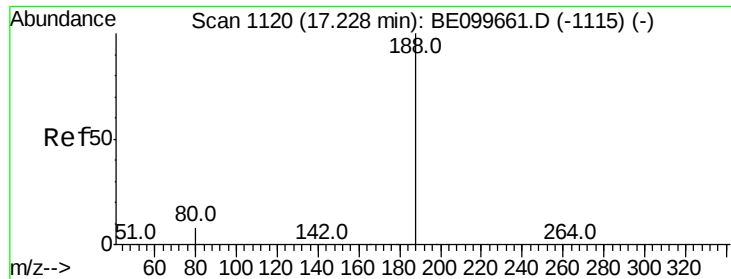
#18
Fluorene
Concen: 0.339 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:166 Resp: 5050
Ion Ratio Lower Upper
166 100
165 99.2 80.3 120.5
167 14.0 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

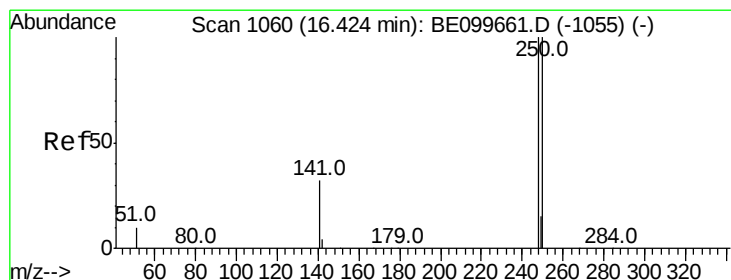
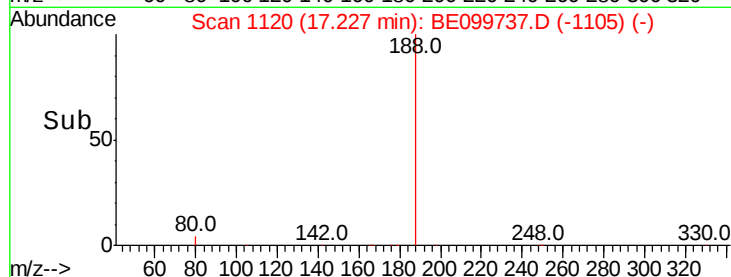
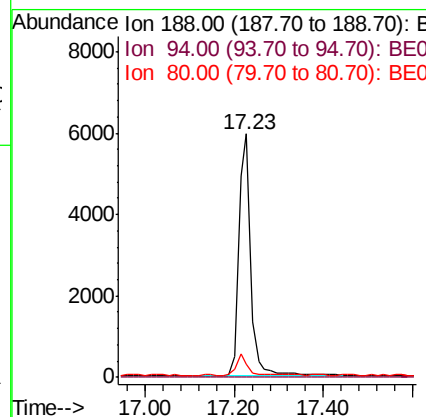
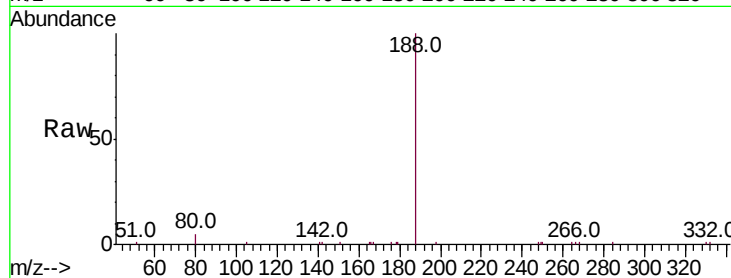




#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.23 min Scan# 1120
 Delta R.T. -0.00 min
 Lab File: BE099737.D
 Acq: 24 May 2019 11:59

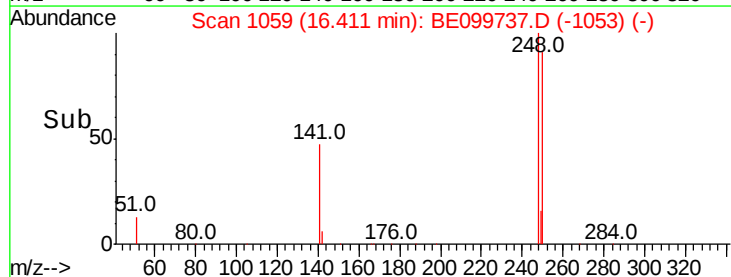
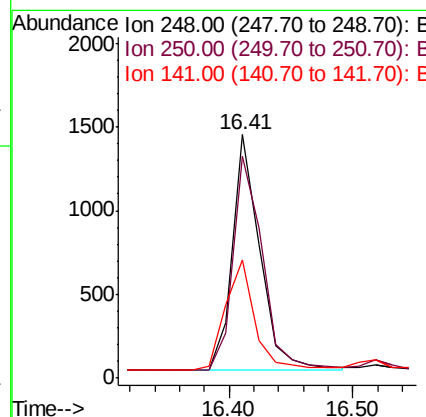
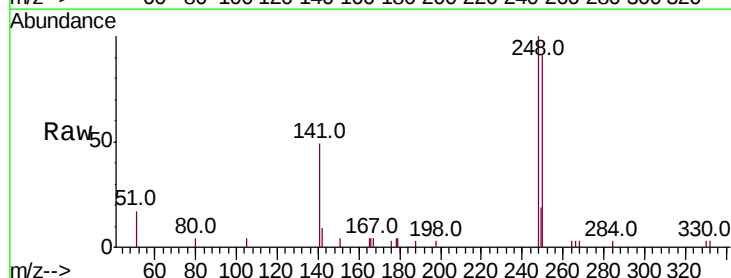
Instrument :
 BNA_E
 ClientSampleId :

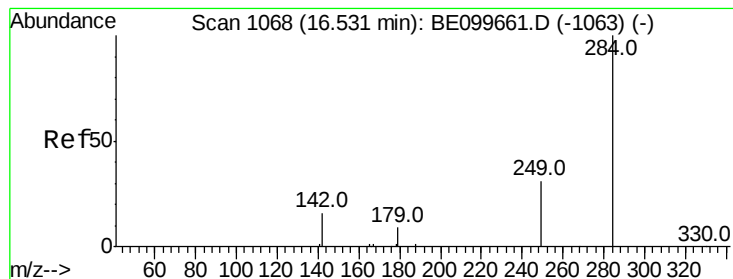
Tot Ion:188 Resp: 11018
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 5.3 6.7 10.1#



#20
 4-Bromophenyl-phenylether
 Concen: 0.346 ng
 RT: 16.41 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: BE099737.D
 Acq: 24 May 2019 11:59

Tgt Ion:248 Resp: 2197
 Ion Ratio Lower Upper
 248 100
 250 91.3 79.8 119.8
 141 48.6 27.0 40.6#





#21

Hexachlorobenzene

Concen: 0.343 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

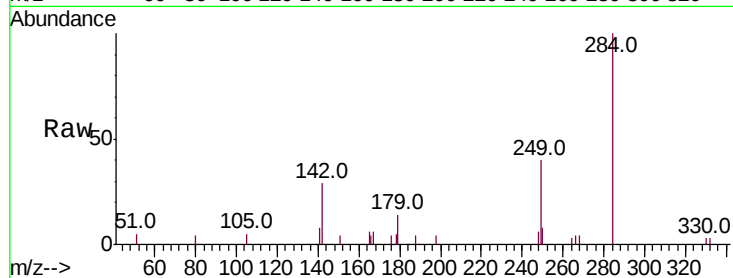
Tot Ion:284 Resp: 2231

Ion Ratio Lower Upper

284 100

142 22.8 17.8 26.6

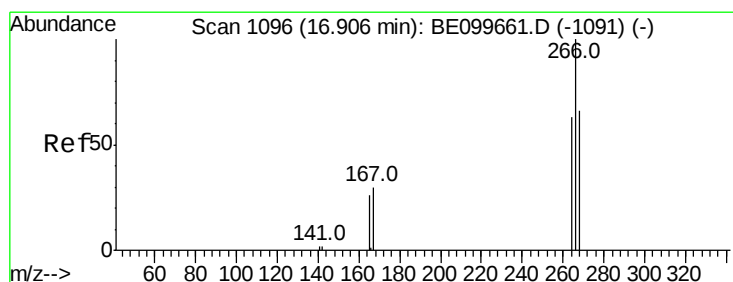
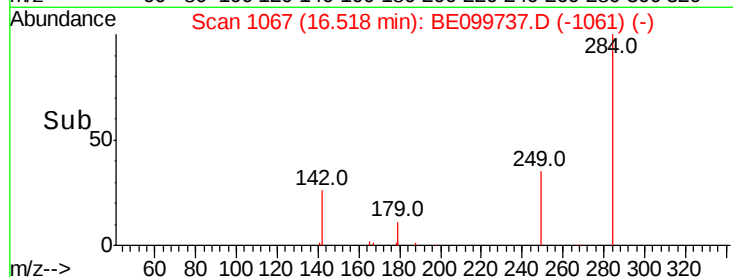
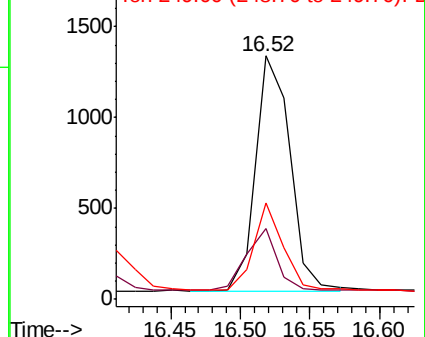
249 30.9 24.8 37.2



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: 0.525 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

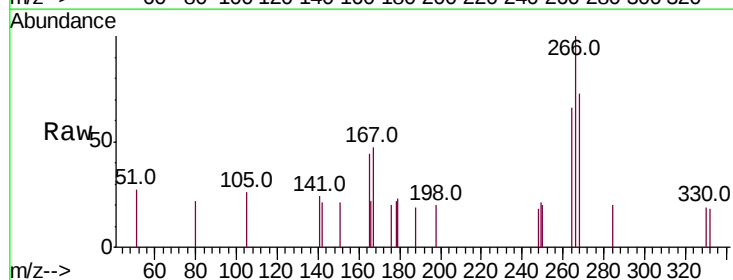
Tgt Ion:266 Resp: 700

Ion Ratio Lower Upper

266 100

264 65.7 57.2 85.8

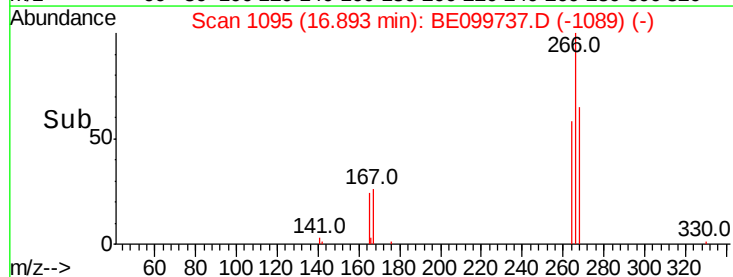
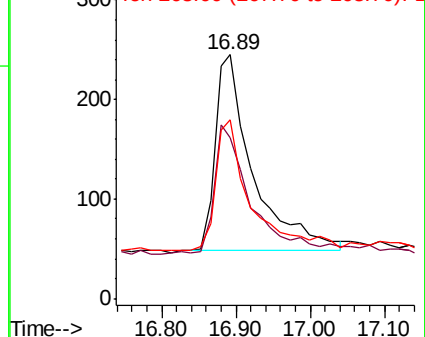
268 73.1 60.5 90.7

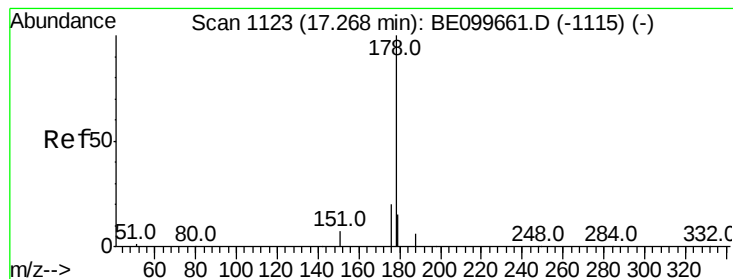


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.347 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

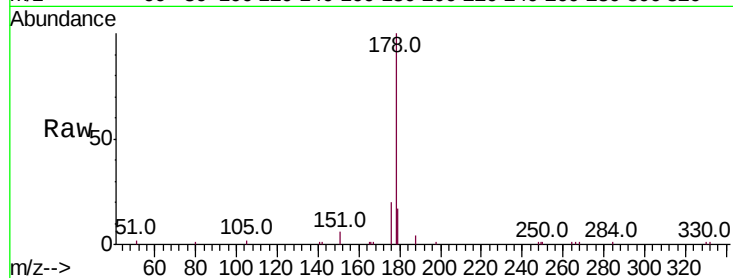
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 9340

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.7	12.2	18.4

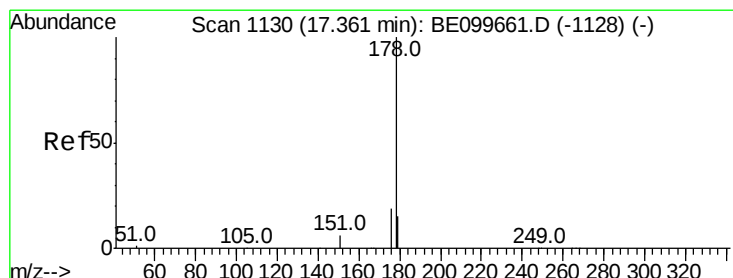
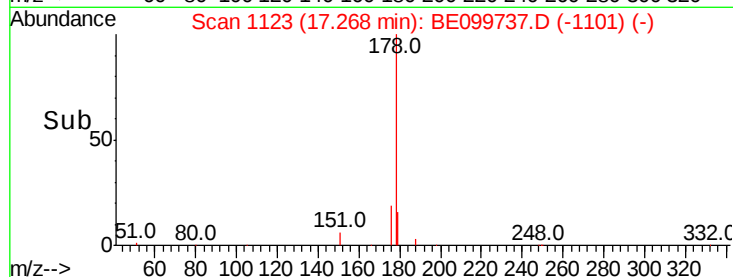
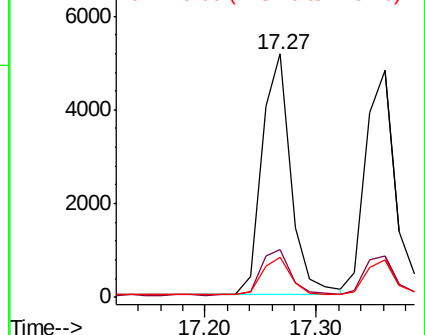


Abundance

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: 0.355 ng

RT: 17.36 min Scan# 1130

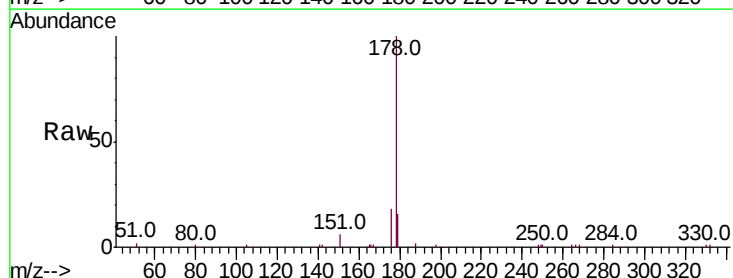
Delta R.T. -0.00 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Tgt Ion:178 Resp: 8666

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.7	12.0	18.0

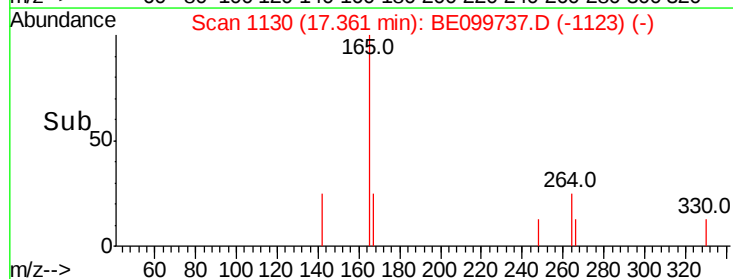
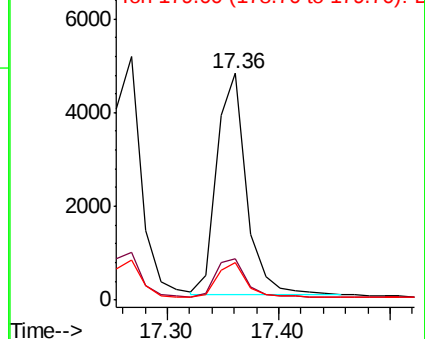


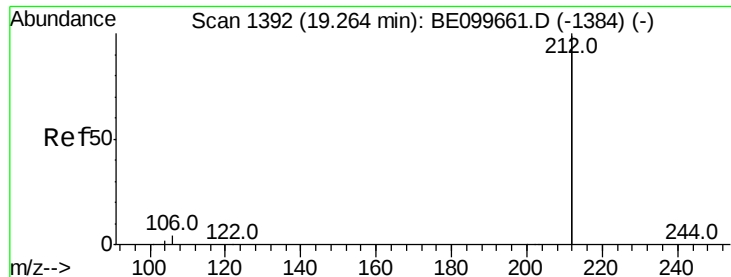
Abundance

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: 0.328 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

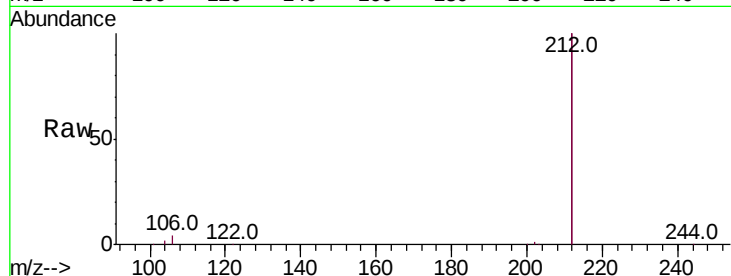
Tot Ion:212 Resp: 49427

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

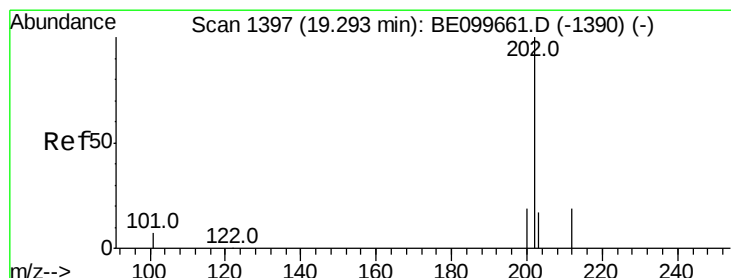
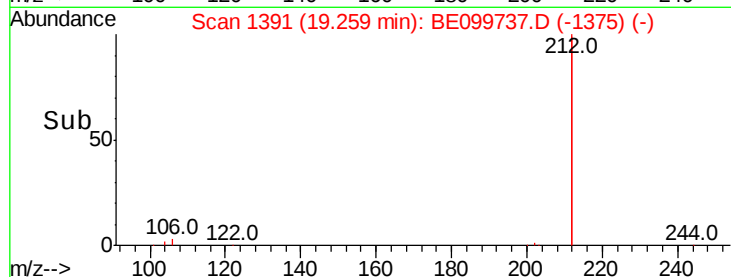
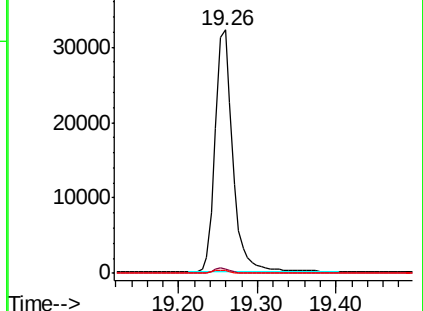
104 1.0 0.8 1.2



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: 0.342 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

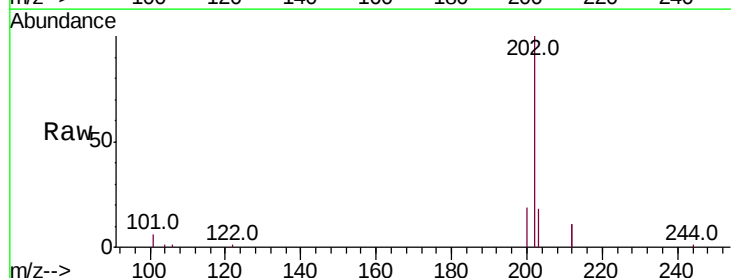
Tgt Ion:202 Resp: 14543

Ion Ratio Lower Upper

202 100

101 6.5 5.2 7.8

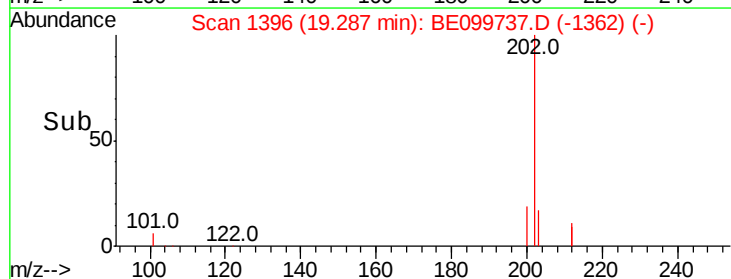
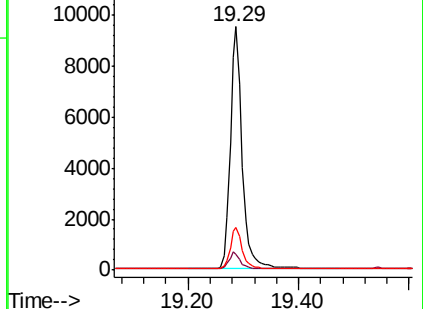
203 16.9 13.8 20.6

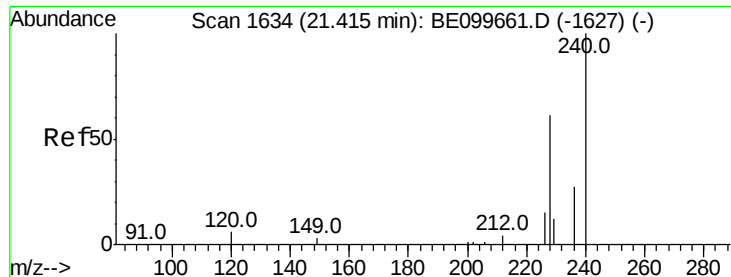


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampled :

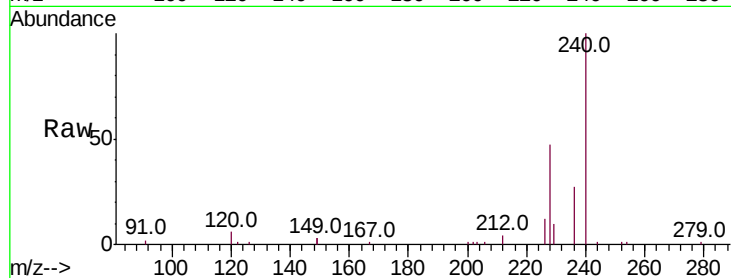
Tot Ion:240 Resp: 16875

Ion Ratio Lower Upper

240 100

120 6.1 5.4 8.0

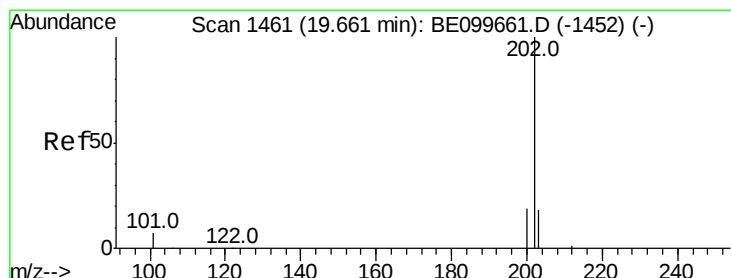
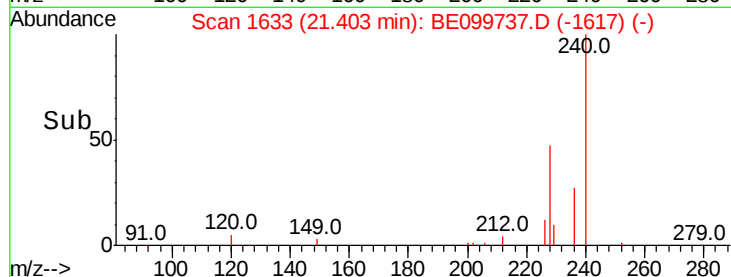
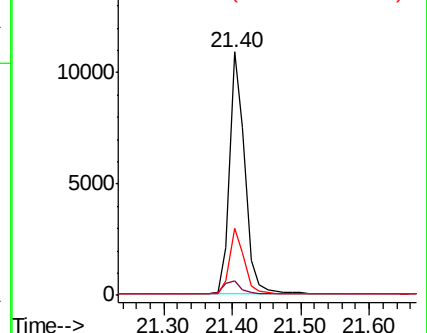
236 27.5 21.7 32.5



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: 0.356 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

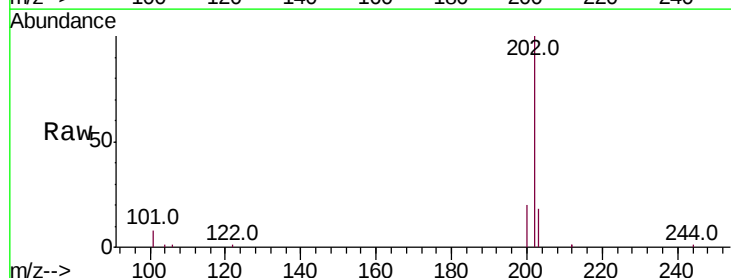
Tgt Ion:202 Resp: 15095

Ion Ratio Lower Upper

202 100

200 19.4 15.4 23.2

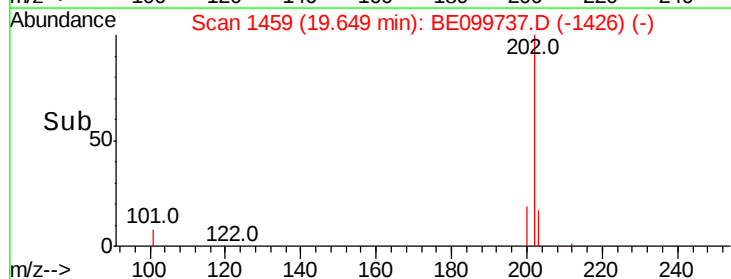
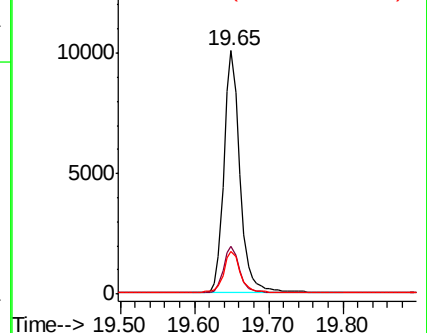
203 17.9 13.8 20.8

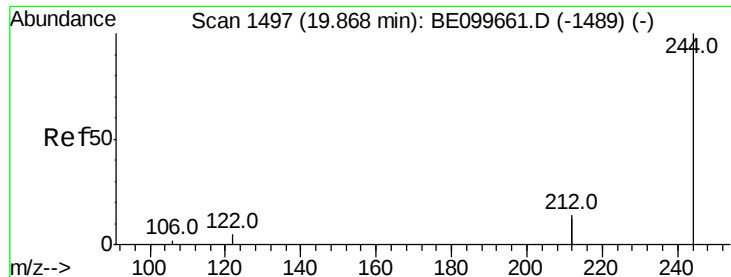


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.359 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

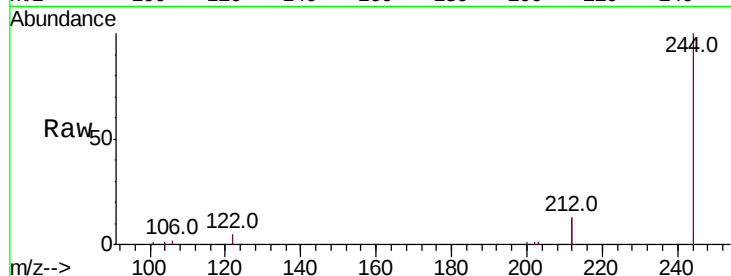
Tot Ion:244 Resp: 10825

Ion Ratio Lower Upper

244 100

212 26.9 22.5 33.7

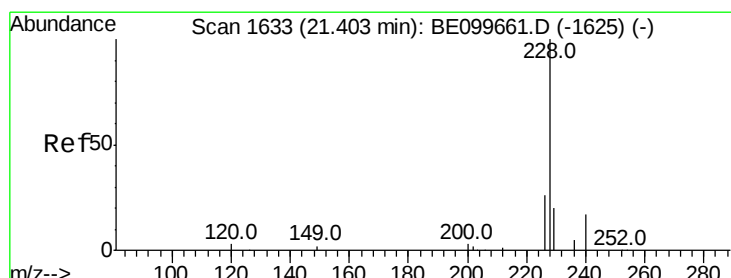
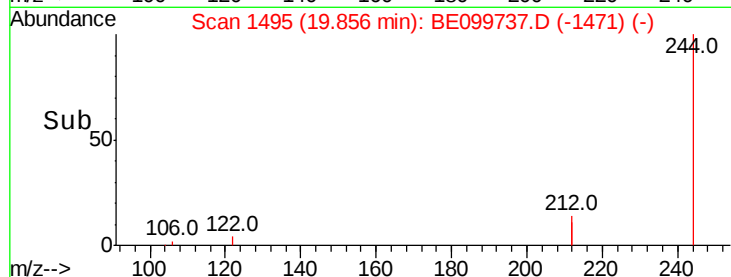
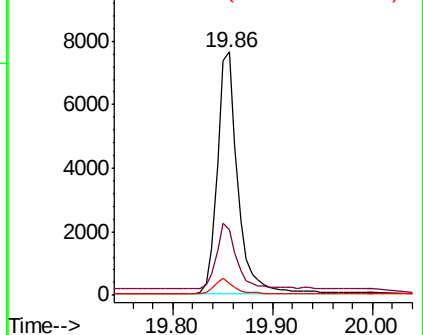
122 5.2 4.3 6.5



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: 0.418 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

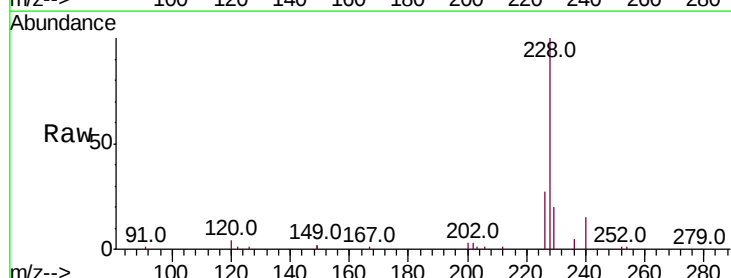
Tgt Ion:228 Resp: 20064

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

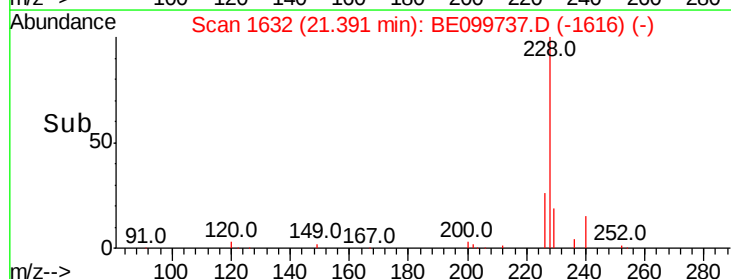
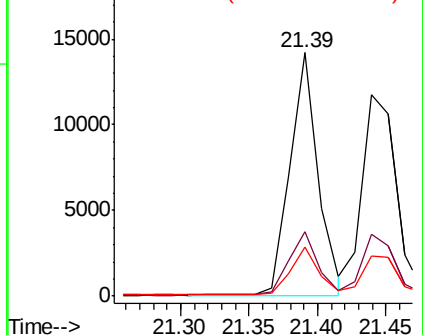
229 19.9 16.1 24.1

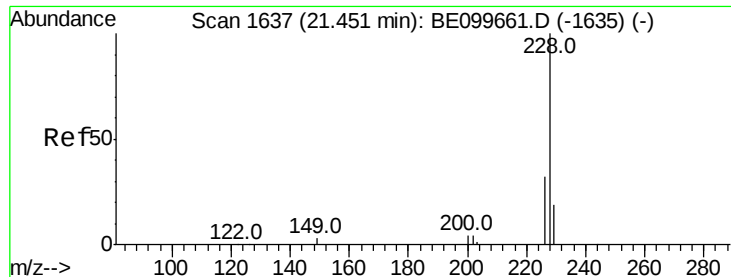


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.392 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

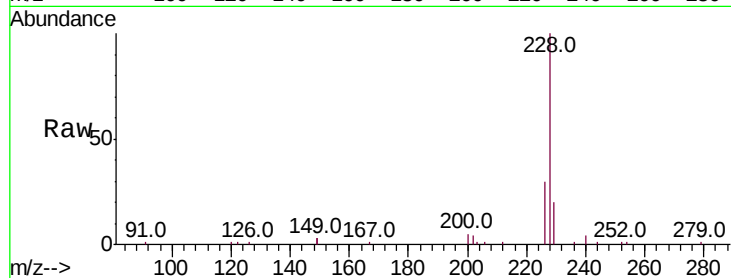
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 20090

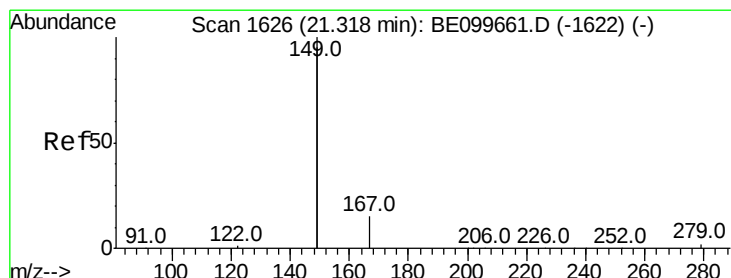
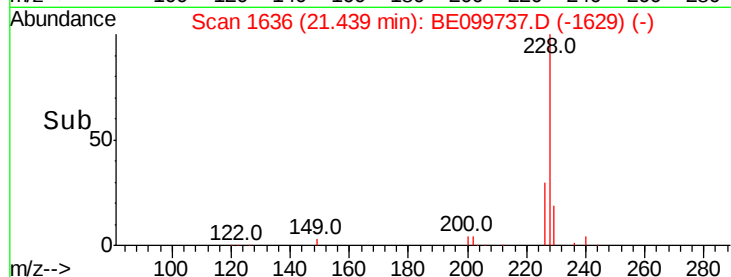
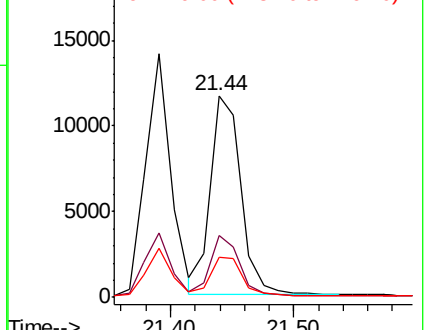
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.0	15.8	23.6



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: 0.482 ng

RT: 21.31 min Scan# 1625

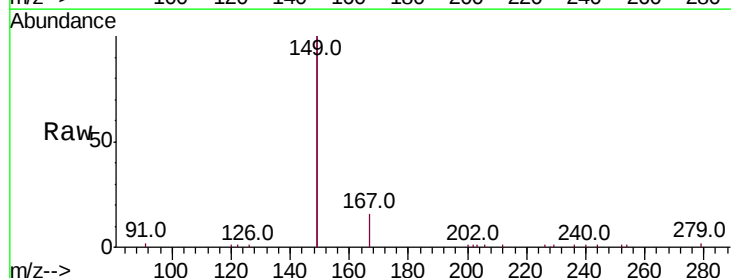
Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Tgt Ion:149 Resp: 26630

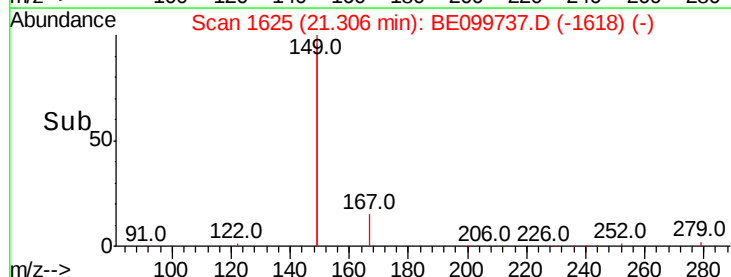
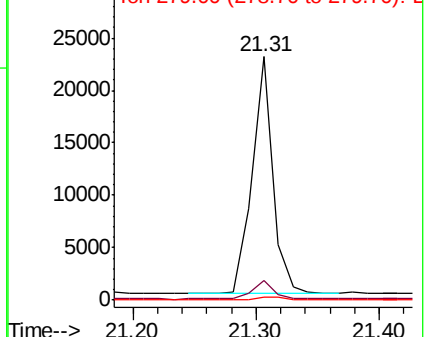
Ion	Ratio	Lower	Upper
149	100		
167	7.4	6.2	9.4
279	1.5	1.2	1.8

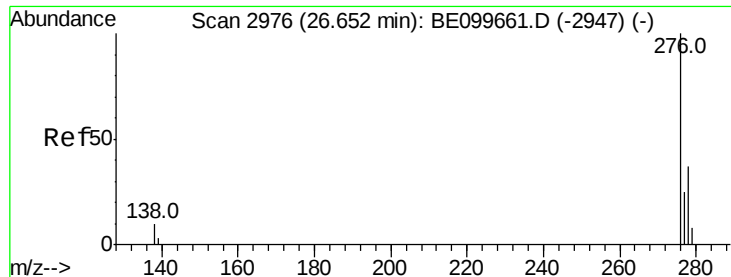


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.437 ng

RT: 26.63 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

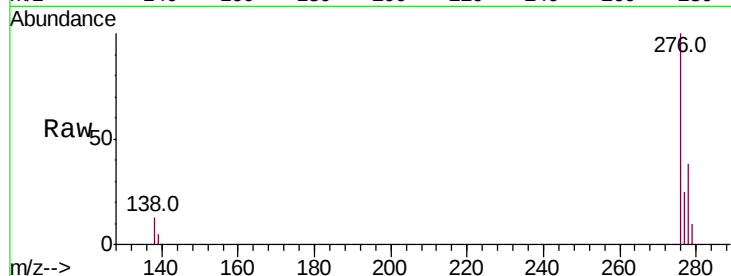
Tot Ion:276 Resp: 27070

Ion Ratio Lower Upper

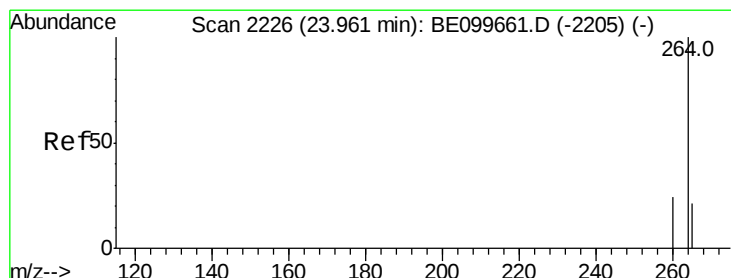
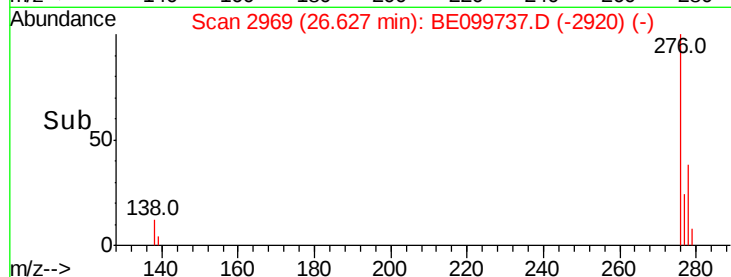
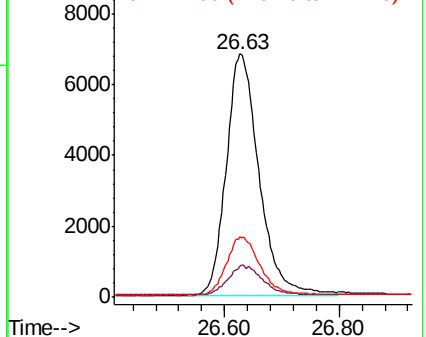
276 100

138 12.7 9.6 14.4

277 24.6 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: BE099737.D

Acq: 24 May 2019 11:59

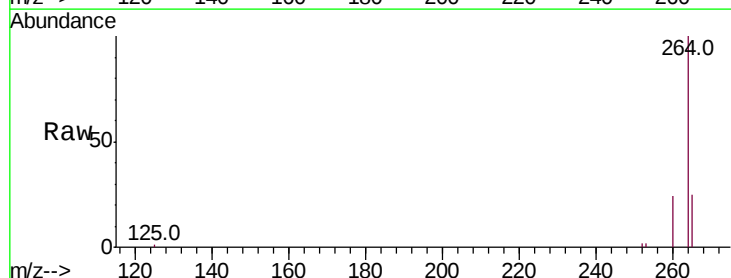
Tgt Ion:264 Resp: 21362

Ion Ratio Lower Upper

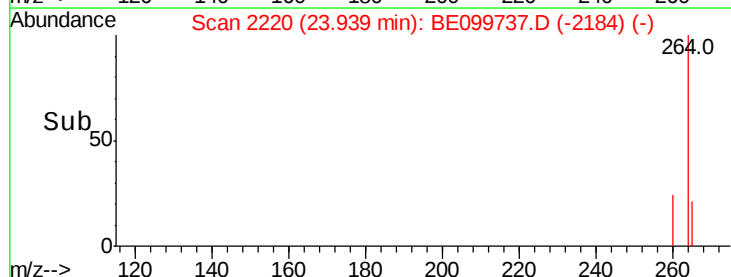
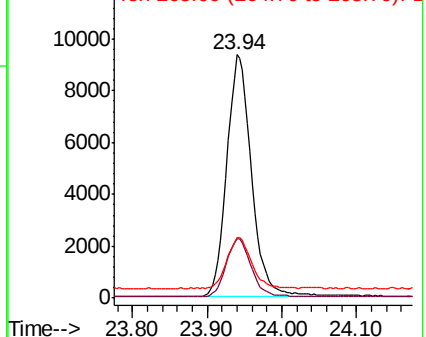
264 100

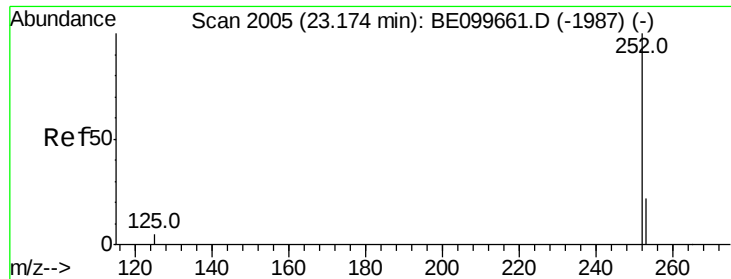
260 24.4 19.6 29.4

265 24.9 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: 0.394 ng

RT: 23.21 min Scan# 2016

Delta R.T. 0.04 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

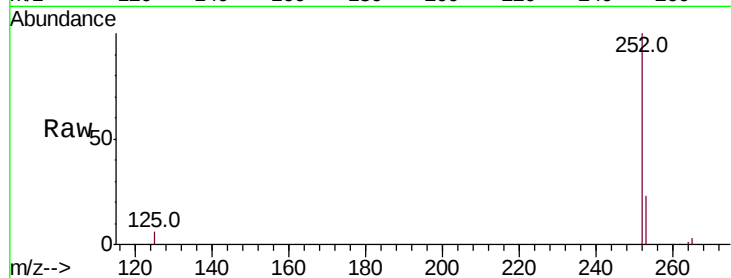
Tot Ion:252 Resp: 23069

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

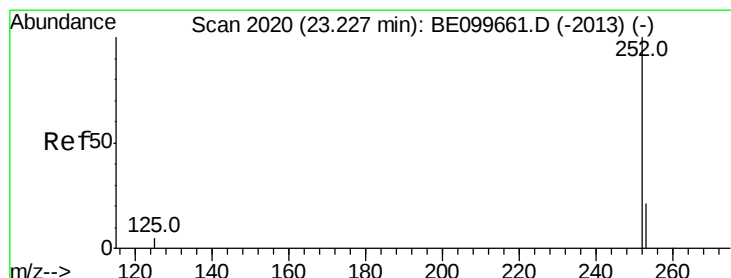
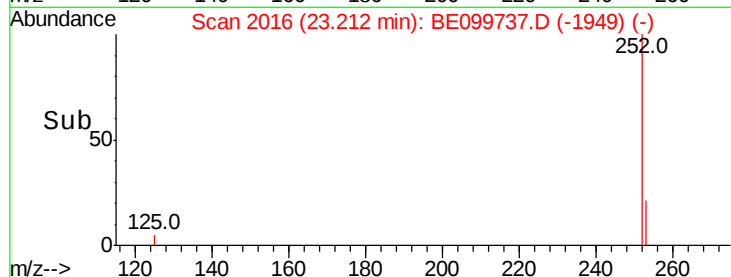
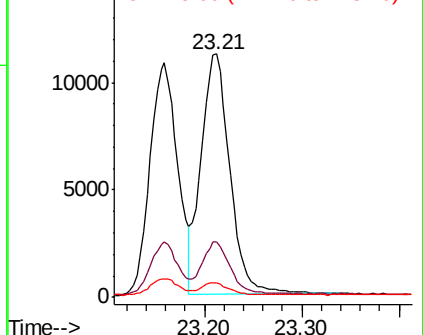
125 5.7 4.5 6.7



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: 0.380 ng

RT: 23.21 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

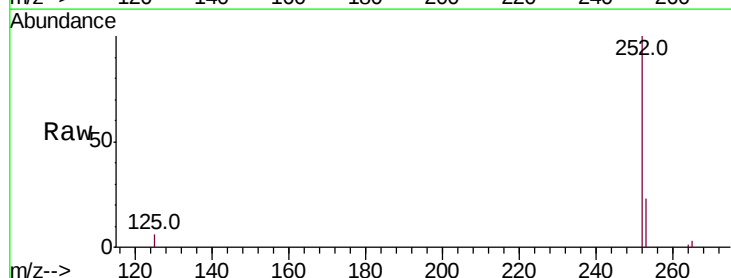
Tgt Ion:252 Resp: 23218

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

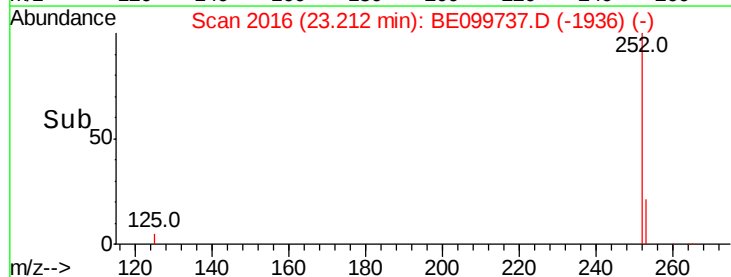
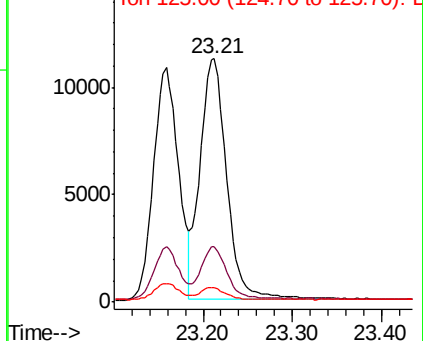
125 5.7 4.6 6.8

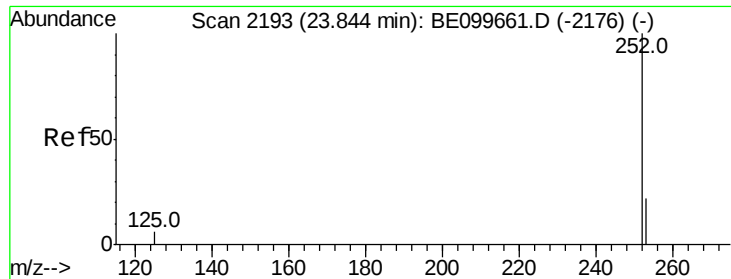


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.385 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

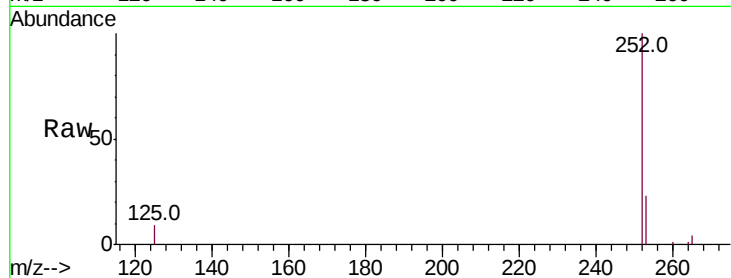
Tot Ion:252 Resp: 21683

Ion Ratio Lower Upper

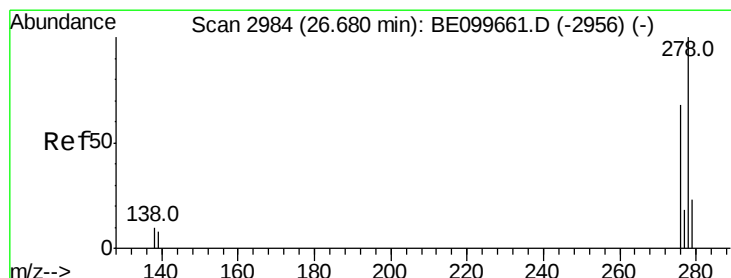
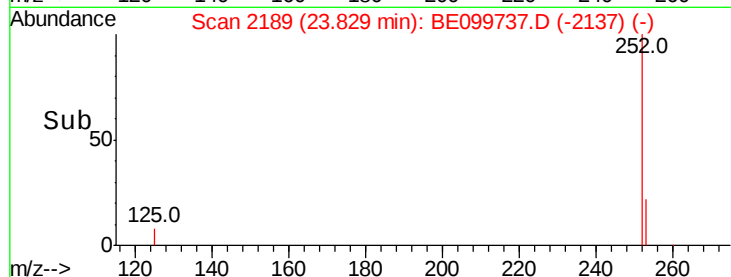
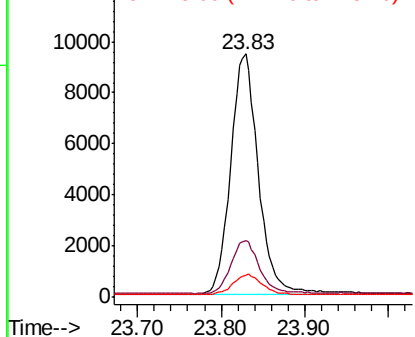
252 100

253 23.2 18.9 28.3

125 9.1 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: 0.378 ng

RT: 26.66 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

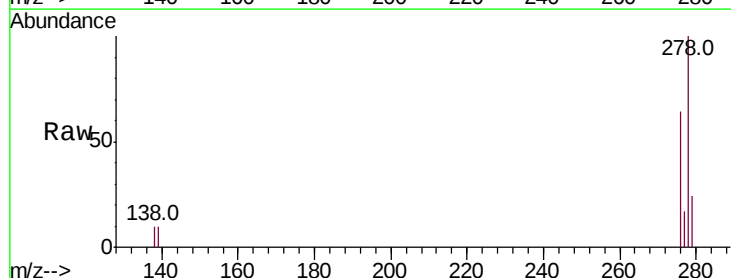
Tgt Ion:278 Resp: 22373

Ion Ratio Lower Upper

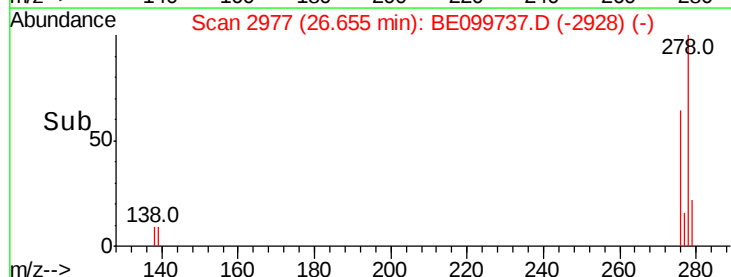
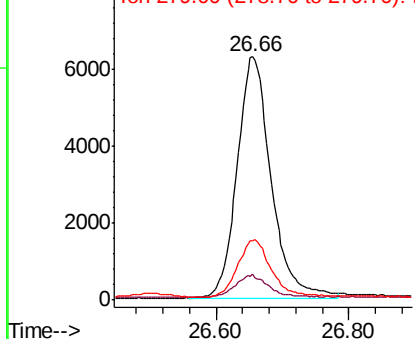
278 100

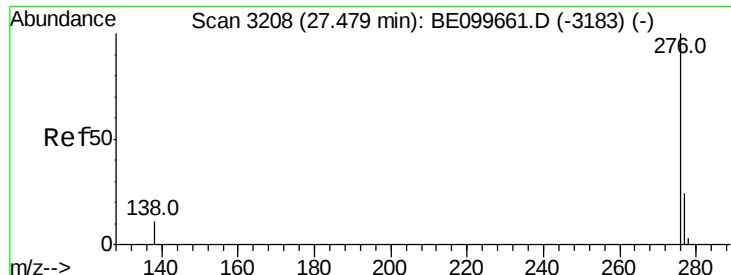
139 10.5 6.9 10.3#

279 24.1 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: 0.381 ng

RT: 27.46 min Scan# 3202

Delta R.T. -0.02 min

Lab File: BE099737.D

Acq: 24 May 2019 11:59

Instrument :

BNA_E

ClientSampleId :

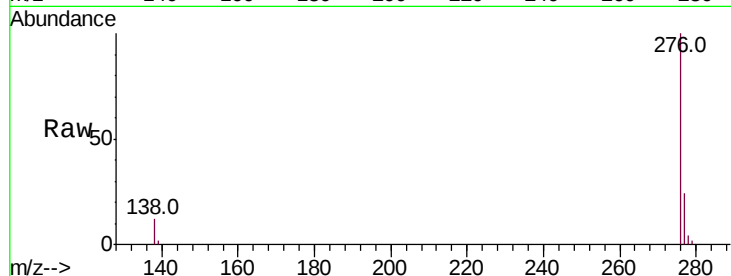
Tot Ion:276 Resp: 22751

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.6

138 11.6 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

