

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099753.D
 Acq On : 24 May 2019 21:35
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 24 22:08:33 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	1206	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	4465	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3431	0.40	ng	-0.02
19) Phenanthrene-d10	17.21	188	11261	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	17290	0.40	ng	-0.01
34) Perylene-d12	23.94	264	18784	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	1312	0.43	ng	-0.01
5) Phenol-d6	6.96	99	1741	0.43	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1649	0.43	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3254	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	15.97	330	987	0.50	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	5020	0.39	ng	0.00
25) Fluoranthene-d10	19.25	212	63495	0.41	ng	-0.01
29) Terphenyl-d14	19.85	244	12606	0.41	ng	-0.02

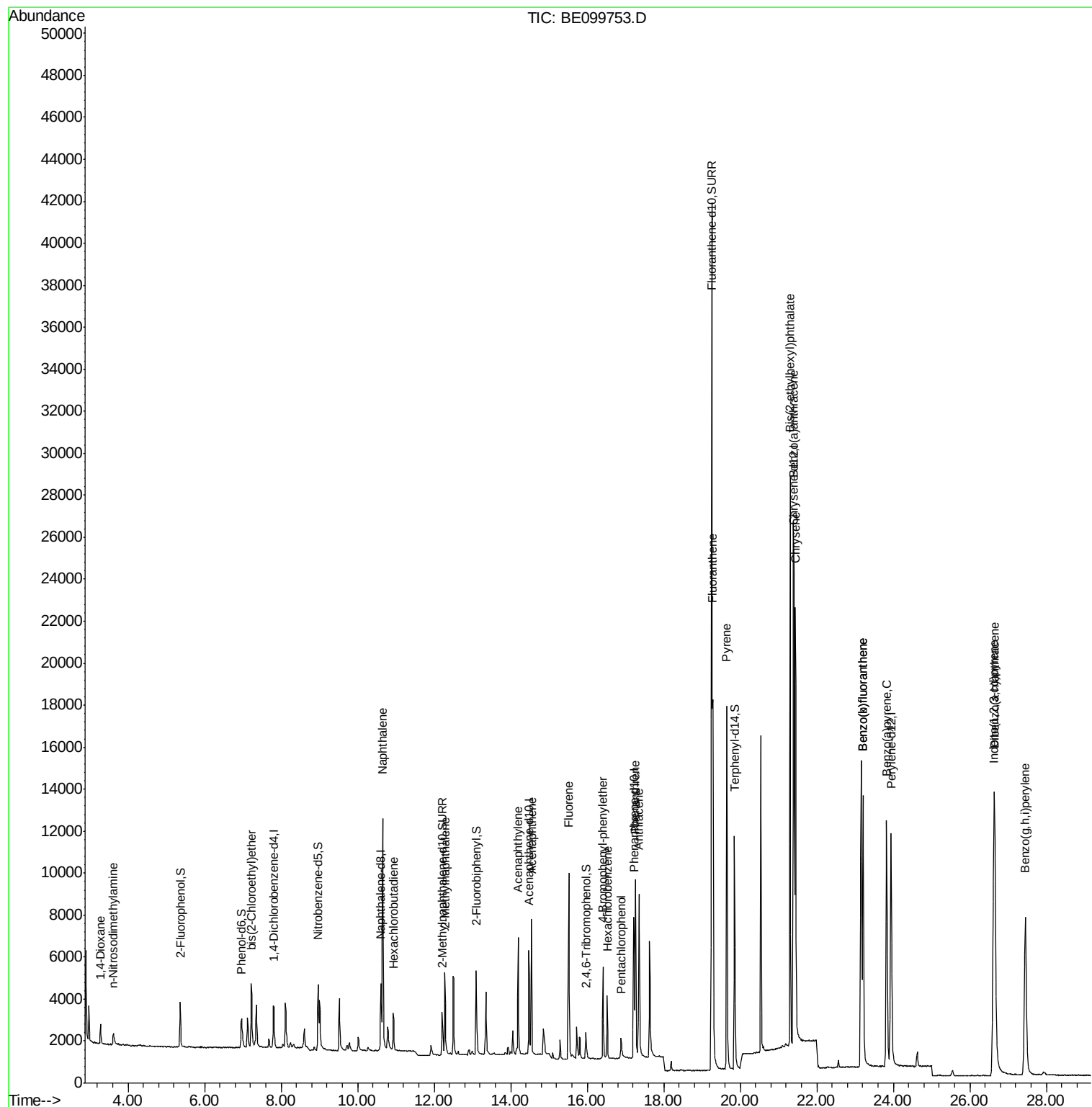
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	674	0.378	ng	# 84
3) n-Nitrosodimethylamine	3.61	42	406	0.412	ng	# 70
6) bis(2-Chloroethyl)ether	7.23	93	1482	0.413	ng	# 97
9) Naphthalene	10.65	128	19349	0.405	ng	100
10) Hexachlorobutadiene	10.93	225	1377	0.392	ng	99
12) 2-Methylnaphthalene	12.28	142	3126	0.402	ng	96
16) Acenaphthylene	14.20	152	6587	0.412	ng	99
17) Acenaphthene	14.54	154	3746	0.417	ng	100
18) Fluorene	15.51	166	5701	0.431	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	2569	0.396	ng	93
21) Hexachlorobenzene	16.52	284	2576	0.388	ng	97
22) Pentachlorophenol	16.88	266	953	0.633	ng	96
23) Phenanthrene	17.25	178	11128	0.404	ng	100
24) Anthracene	17.35	178	10071	0.404	ng	99
26) Fluoranthene	19.28	202	17990	0.414	ng	100
28) Pyrene	19.64	202	18787	0.432	ng	100
30) Benzo(a)anthracene	21.39	228	20536	0.418	ng	100
31) Chrysene	21.44	228	21765	0.414	ng	100
32) Bis(2-ethylhexyl)phthalate	21.30	149	28511	0.504	ng	99
33) Indeno(1,2,3-cd)pyrene	26.62	276	25704	0.405	ng	98
35) Benzo(b)fluoranthene	23.21	252	21707	0.422	ng	99
36) Benzo(k)fluoranthene	23.21	252	21707	0.405	ng	100
37) Benzo(a)pyrene	23.83	252	20429	0.412	ng	# 97
38) Dibenzo(a,h)anthracene	26.65	278	20861	0.401	ng	# 97
39) Benzo(g,h,i)perylene	27.45	276	21226	0.404	ng	99

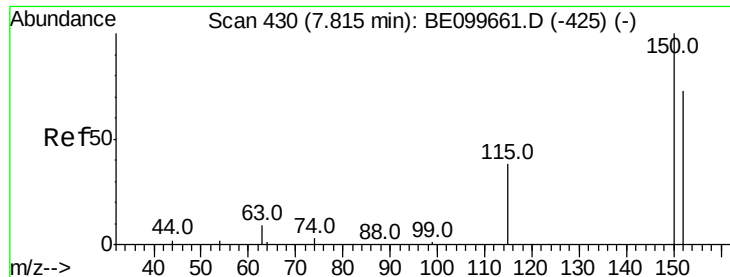
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

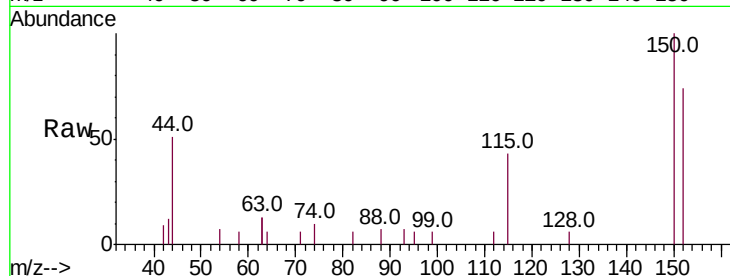
Tot Ion:152 Resp: 1206

Ion Ratio Lower Upper

152 100

150 134.6 109.2 163.8

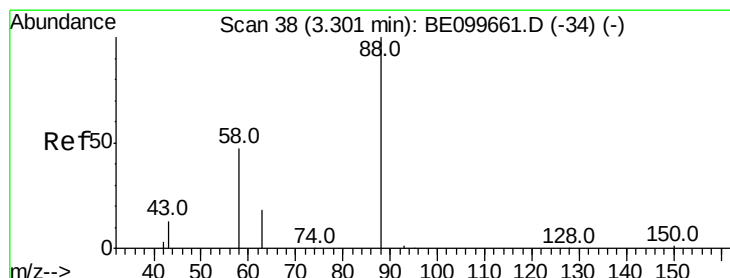
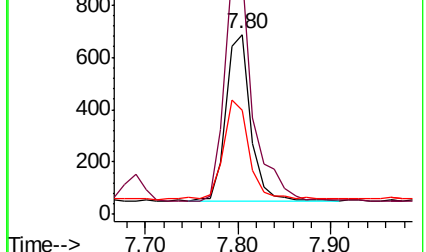
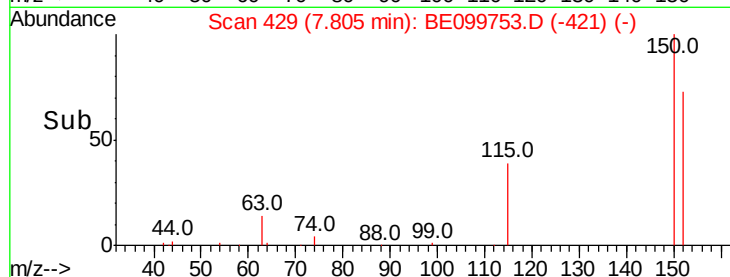
115 58.0 43.7 65.5



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: 0.378 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

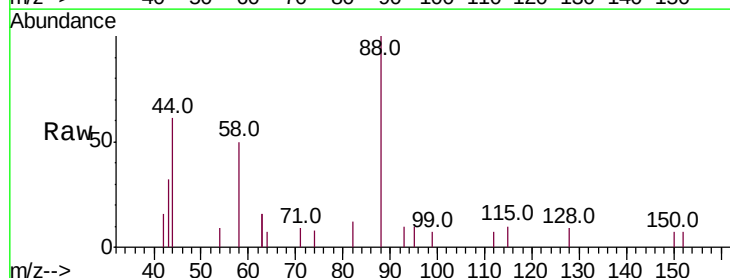
Tgt Ion: 88 Resp: 674

Ion Ratio Lower Upper

88 100

58 63.4 41.8 62.8#

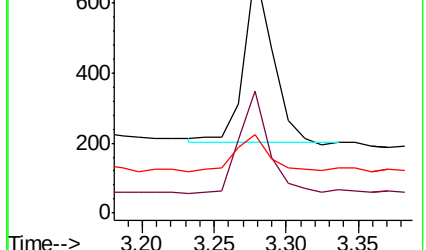
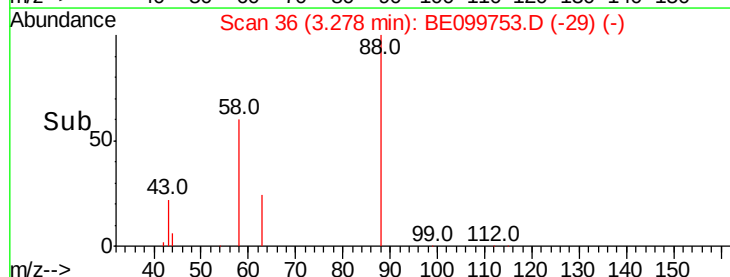
43 26.0 15.0 22.4#

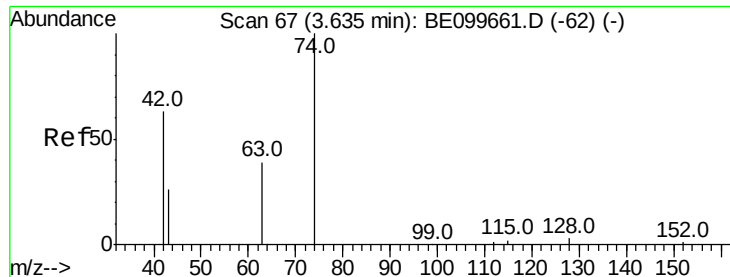


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



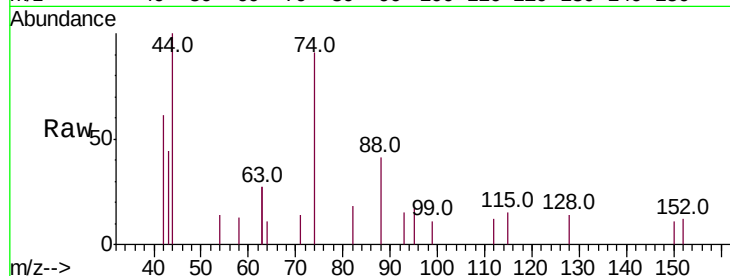


#3

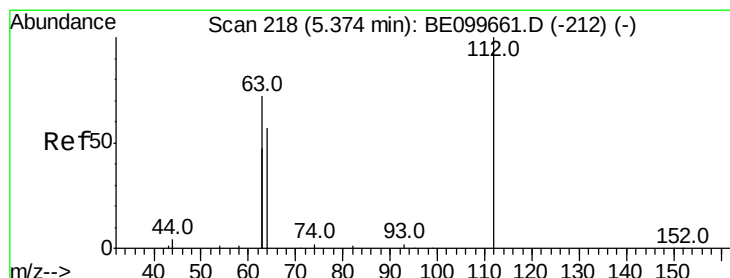
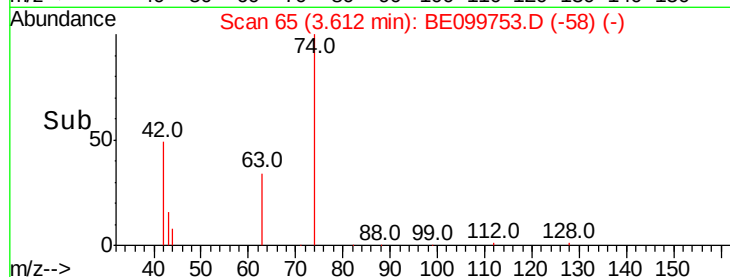
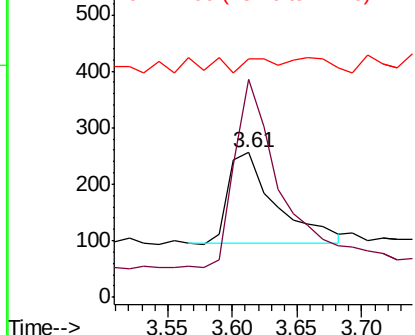
n-Nitrosodimethylamine
Concen: 0.412 ng
RT: 3.61 min Scan# 65
Delta R.T. -0.02 min
Lab File: BE099753.D
Acq: 24 May 2019 21:35

Instrument :
BNA_E
ClientSampled :

Tot Ion: 42 Resp: 406
Ion Ratio Lower Upper
42 100
74 200.7 129.2 193.8#
44 11.1 0.0 0.0#



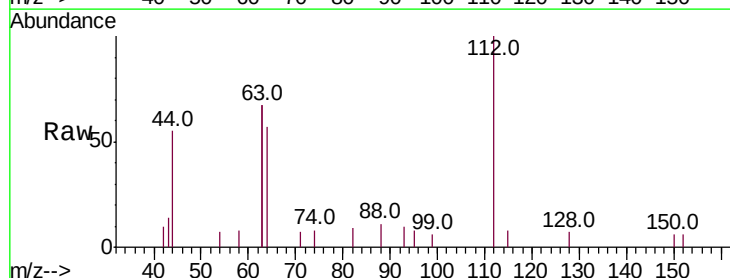
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



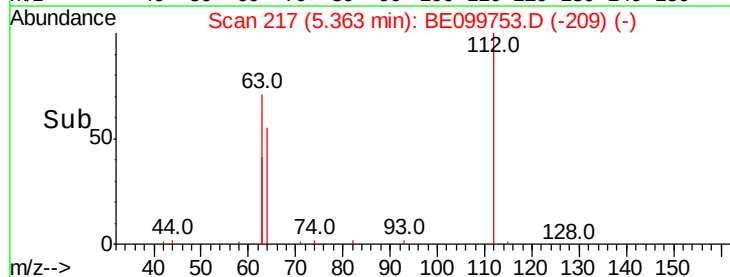
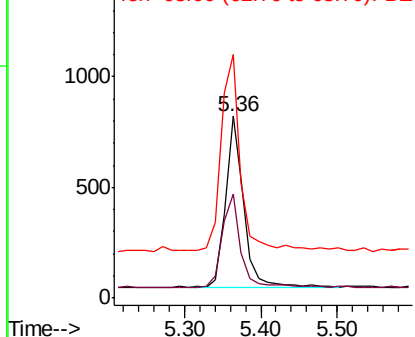
#4

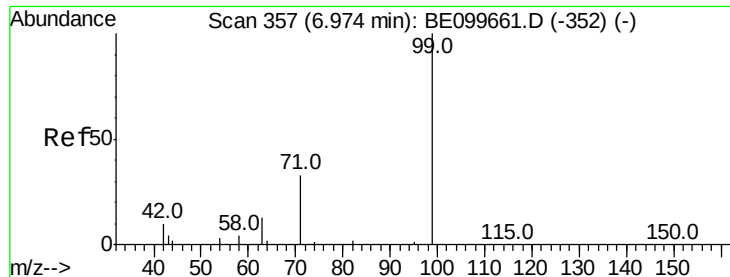
2-Fluorophenol
Concen: 0.430 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE099753.D
Acq: 24 May 2019 21:35

Tgt Ion: 112 Resp: 1312
Ion Ratio Lower Upper
112 100
64 55.3 43.4 65.2
63 113.4 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: 0.432 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampled :

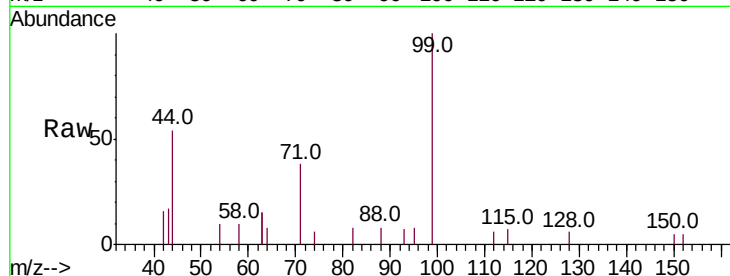
Tot Ion: 99 Resp: 1741

Ion Ratio Lower Upper

99 100

42 13.4 12.2 18.2

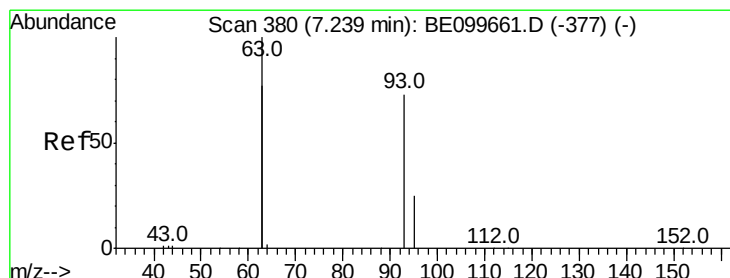
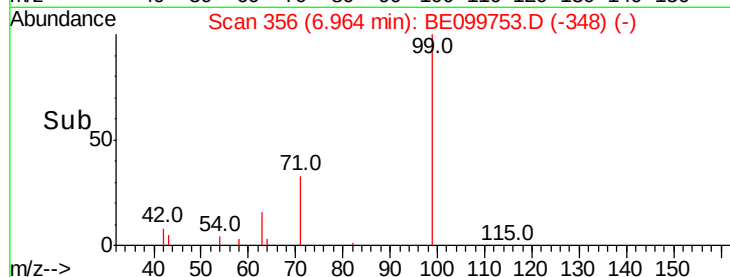
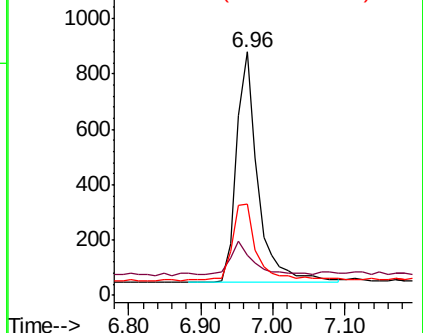
71 36.5 28.9 43.3



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: 0.413 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

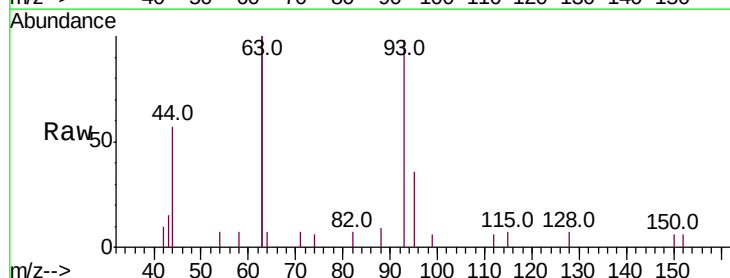
Tgt Ion: 93 Resp: 1482

Ion Ratio Lower Upper

93 100

63 257.0 207.8 311.6

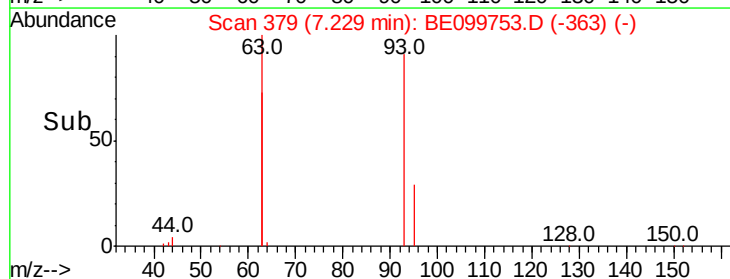
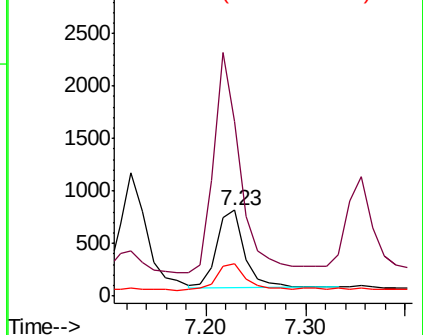
95 39.5 25.9 38.9#

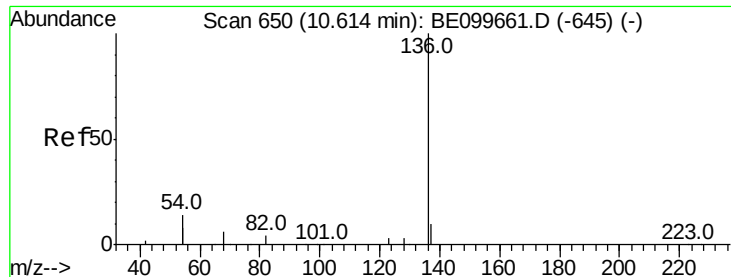


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 136 Resp: 4465

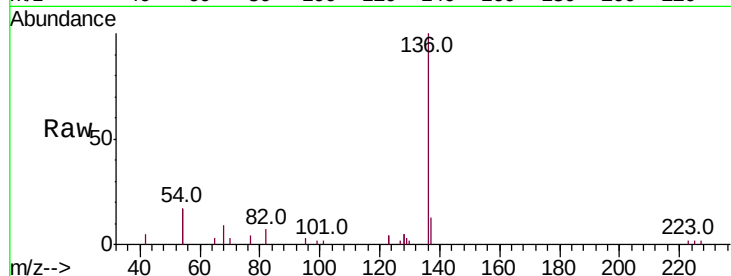
Ion Ratio Lower Upper

136 100

137 12.6 9.0 13.6

54 33.3 22.3 33.5

68 8.8 6.0 9.0

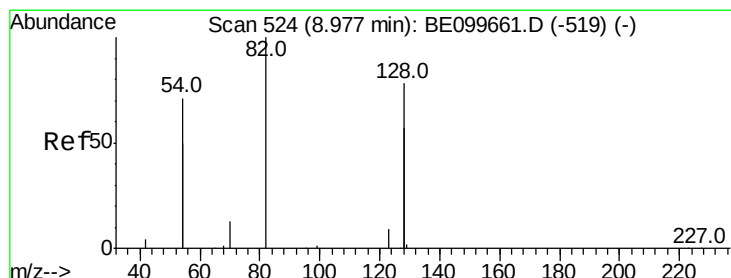
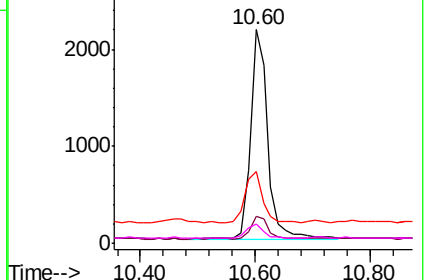
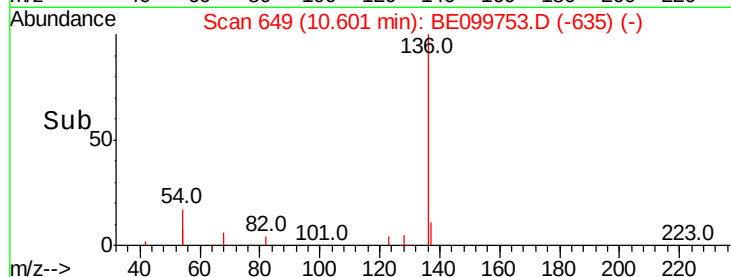


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.427 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

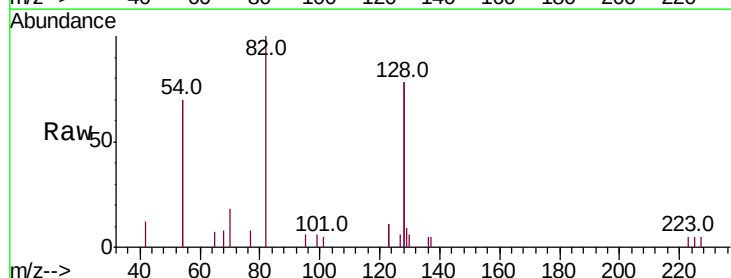
Tgt Ion: 82 Resp: 1649

Ion Ratio Lower Upper

82 100

128 156.5 117.7 176.5

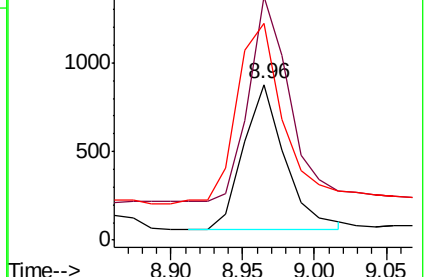
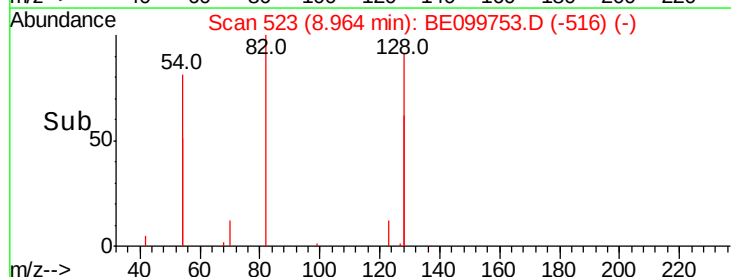
54 139.2 106.6 160.0

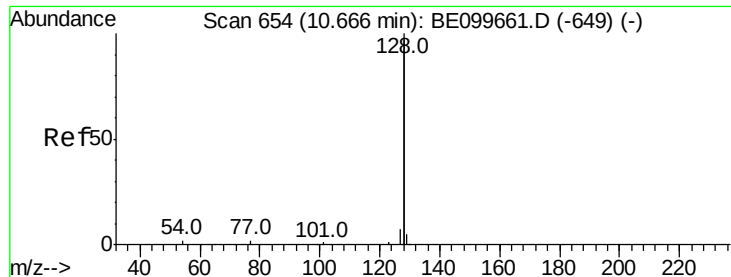


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.405 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

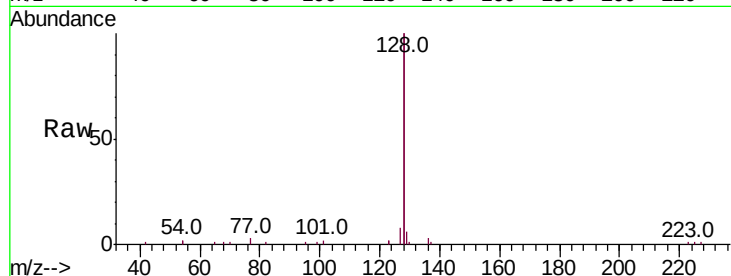
Tot Ion:128 Resp: 19349

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

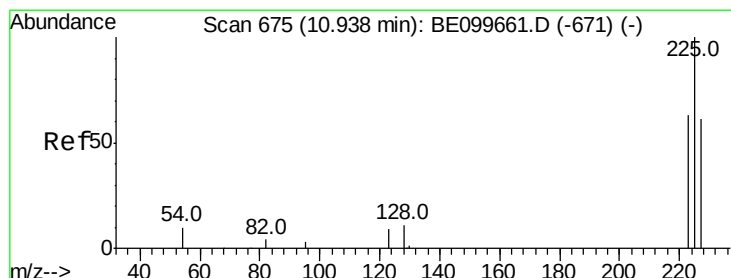
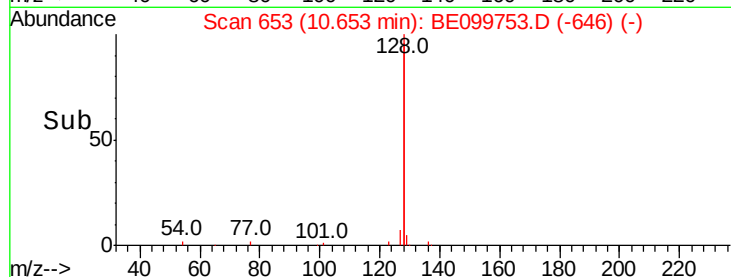
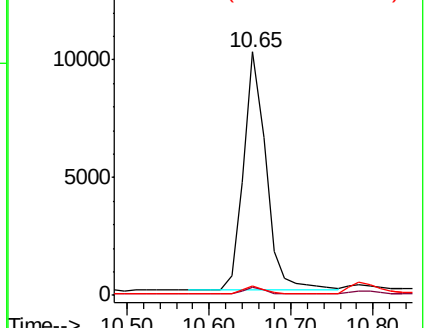
127 3.8 2.9 4.3



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: 0.392 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

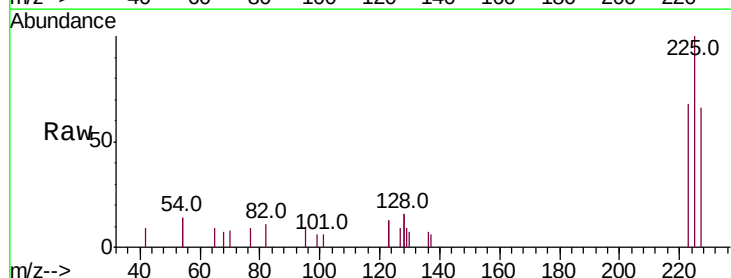
Tgt Ion:225 Resp: 1377

Ion Ratio Lower Upper

225 100

223 63.8 51.8 77.6

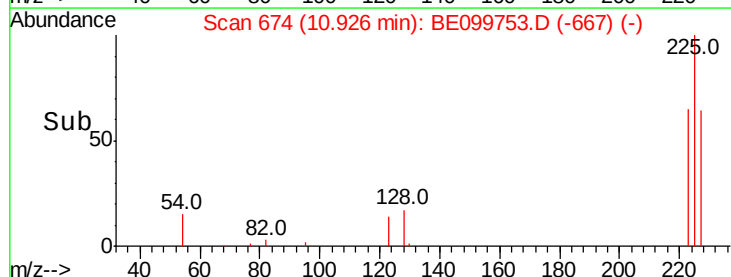
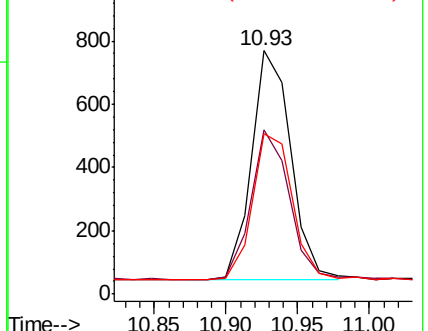
227 65.1 52.6 79.0

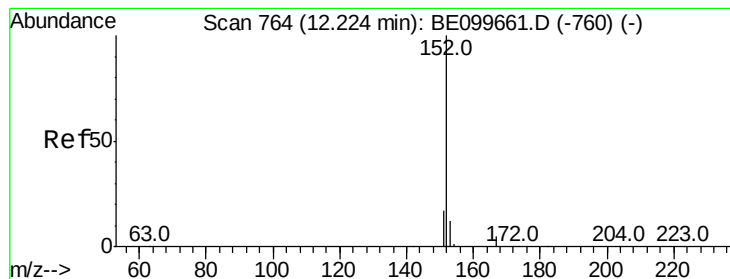


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.422 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

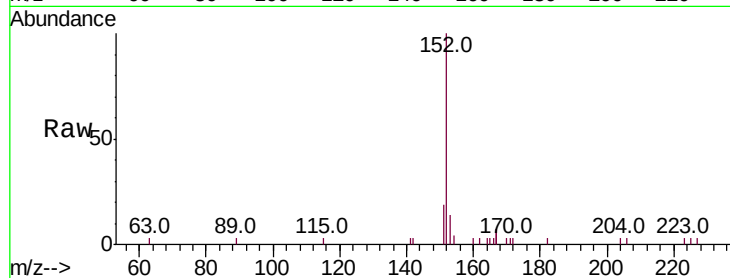
ClientSampleId :

Tot Ion:152 Resp: 3254

Ion Ratio Lower Upper

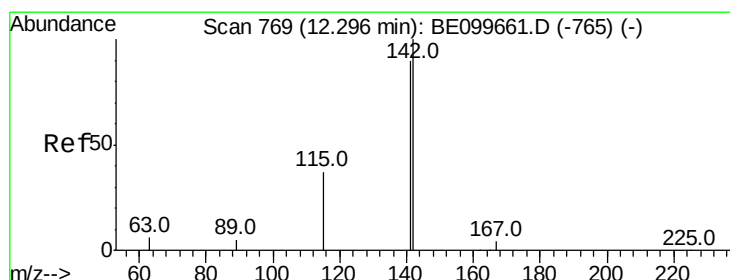
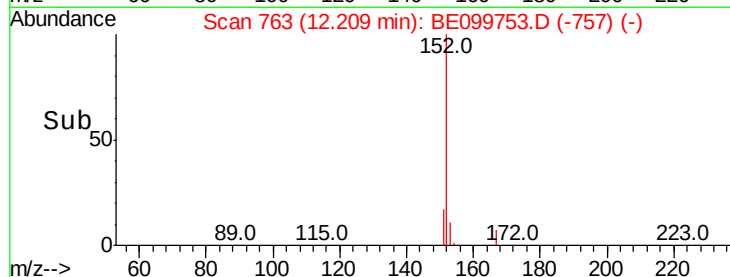
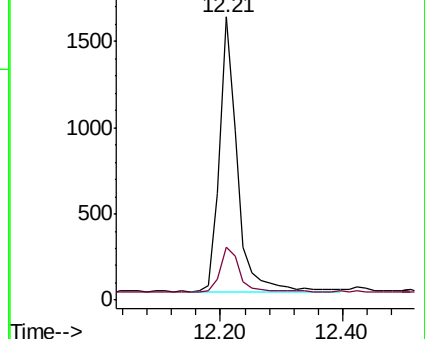
152 100

151 18.8 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.402 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

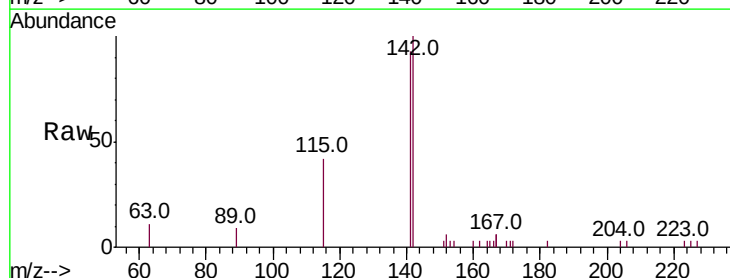
Tgt Ion:142 Resp: 3126

Ion Ratio Lower Upper

142 100

141 92.7 72.0 108.0

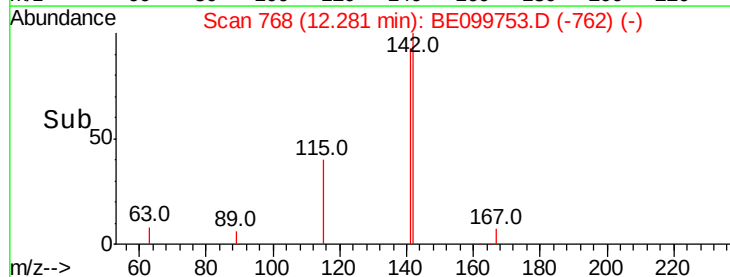
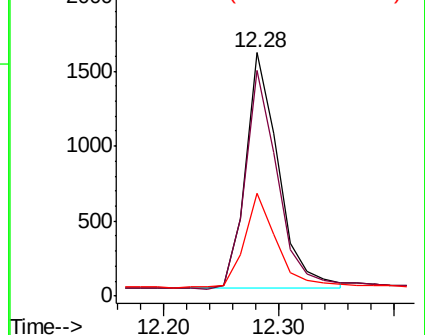
115 42.5 31.0 46.4

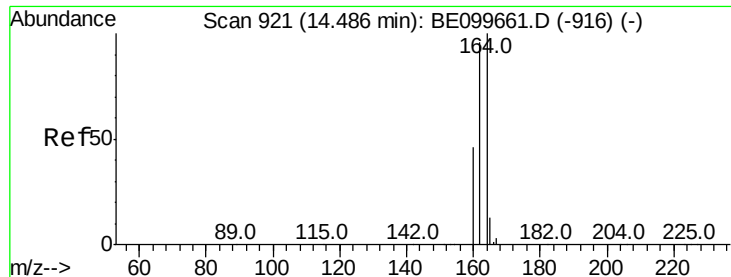


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

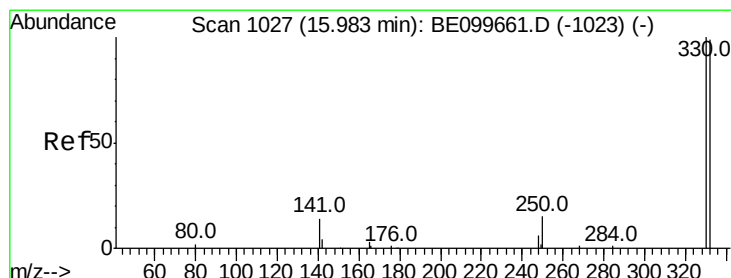
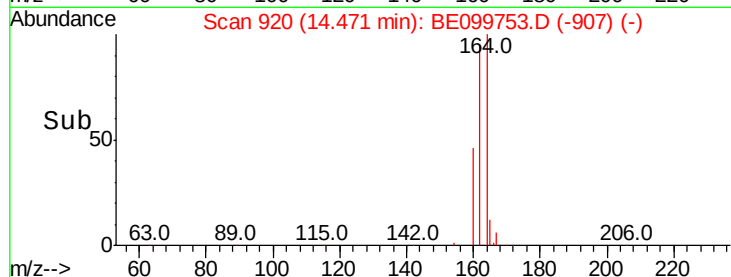
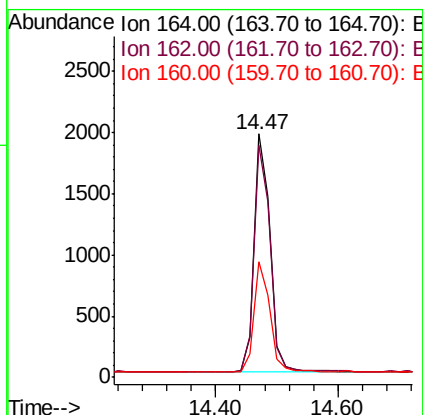
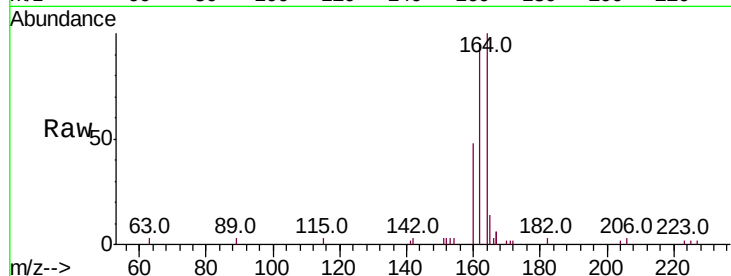




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BE099753.D
 Acq: 24 May 2019 21:35

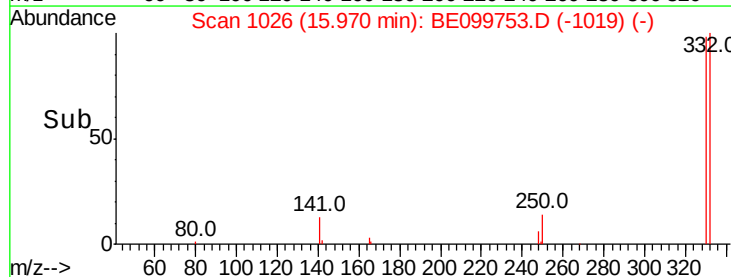
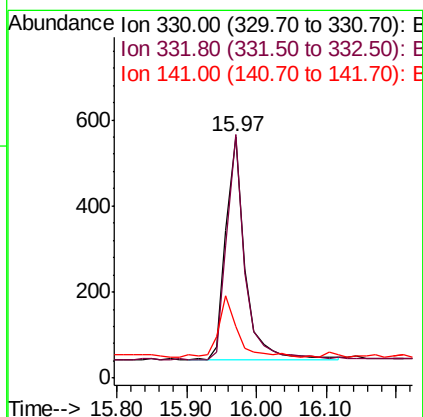
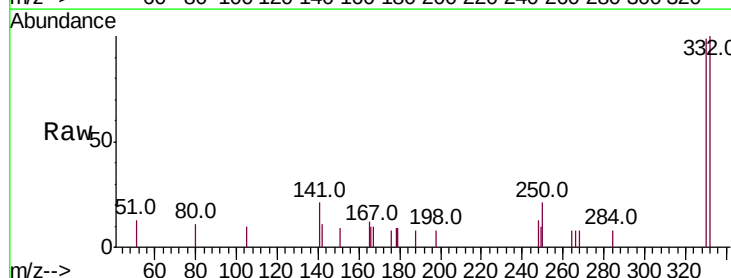
Instrument :
 BNA_E
 ClientSampleId :

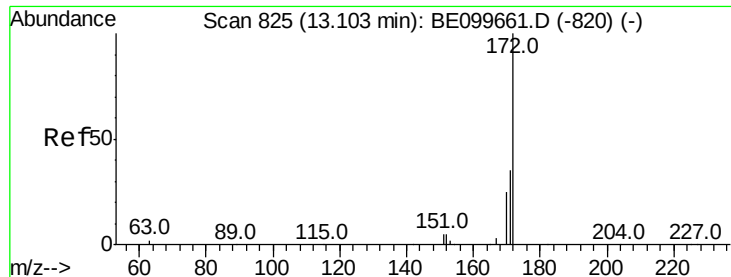
Tot Ion:164 Resp: 3431
 Ion Ratio Lower Upper
 164 100
 162 95.5 76.5 114.7
 160 47.5 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.504 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099753.D
 Acq: 24 May 2019 21:35

Tgt Ion:330 Resp: 987
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.3 115.9
 141 25.4 18.9 28.3

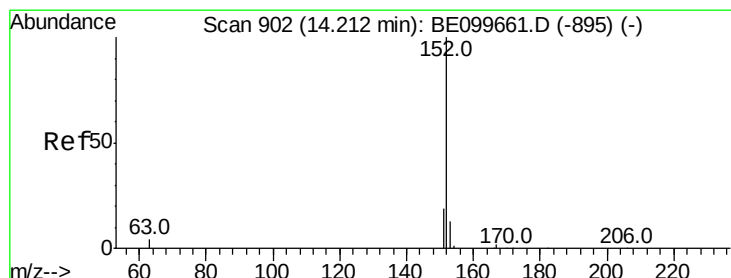
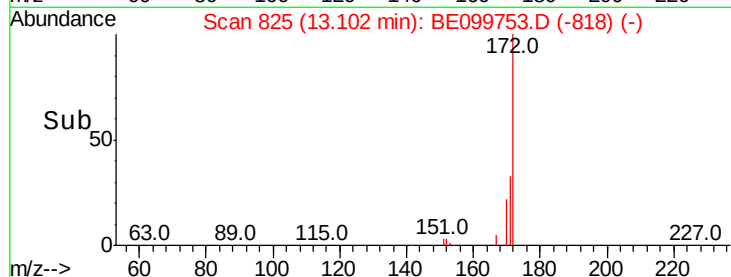
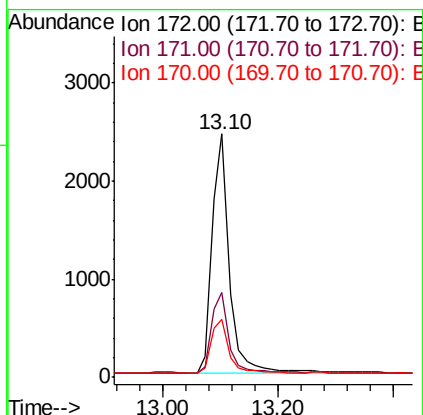
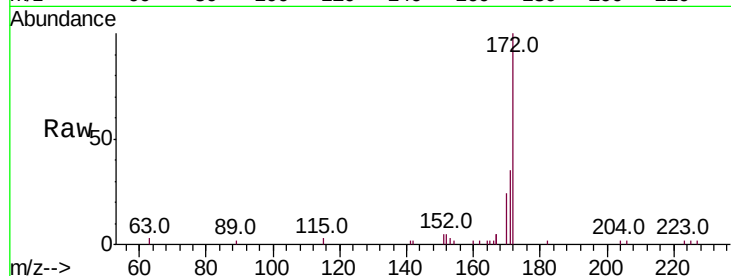




#15
 2-Fluorobiphenyl
 Concen: 0.386 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE099753.D
 Acq: 24 May 2019 21:35

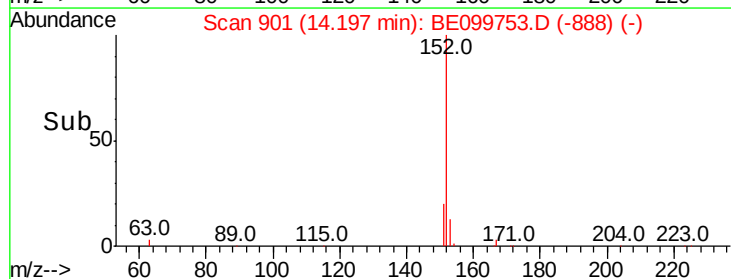
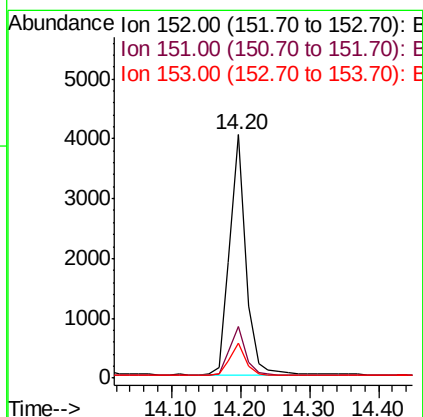
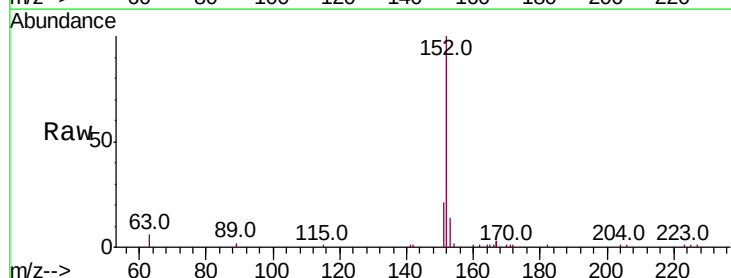
Instrument :
 BNA_E
 ClientSampleId :

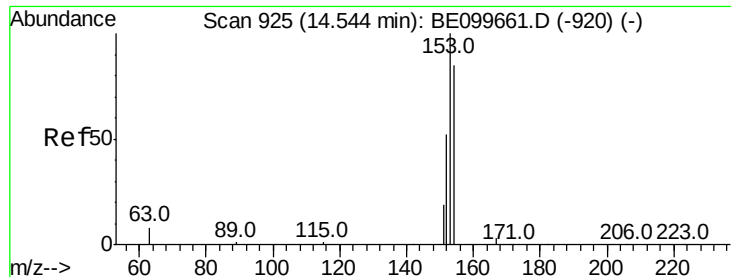
Tot Ion:172 Resp: 5020
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.7 43.1
 170 23.9 20.9 31.3



#16
 Acenaphthylene
 Concen: 0.412 ng
 RT: 14.20 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BE099753.D
 Acq: 24 May 2019 21:35

Tgt Ion:152 Resp: 6587
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.9 23.9
 153 13.1 10.6 16.0





#17

Acenaphthene

Concen: 0.417 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

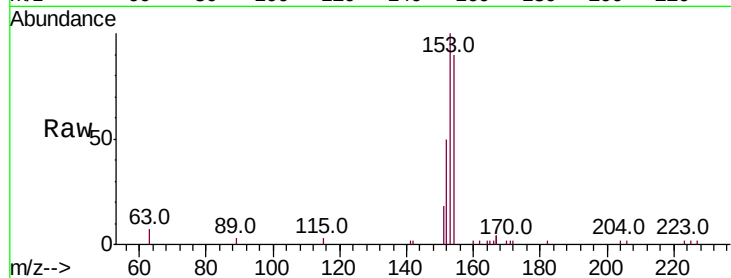
Tot Ion:154 Resp: 3746

Ion Ratio Lower Upper

154 100

153 114.9 91.8 137.6

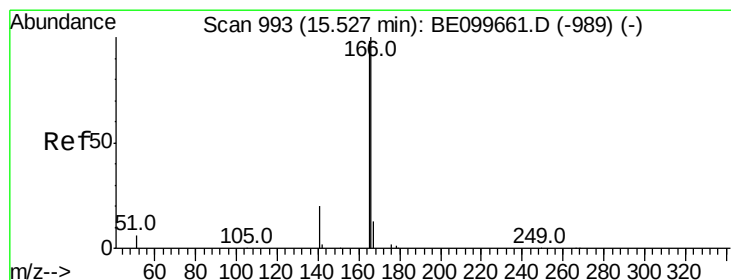
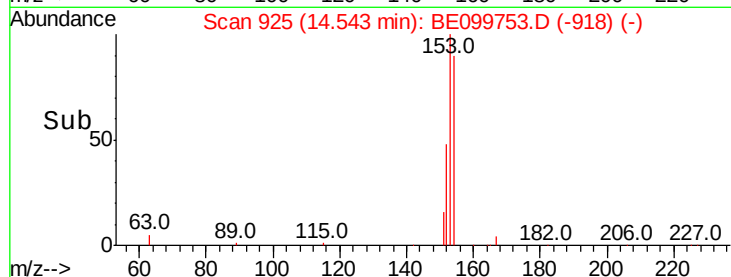
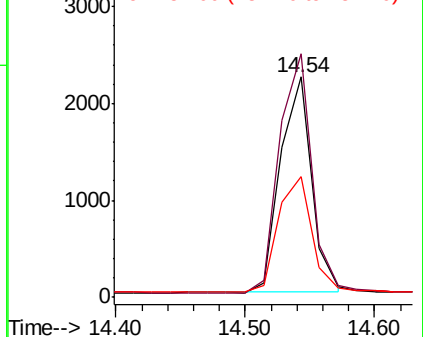
152 56.8 46.0 69.0



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: 0.431 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

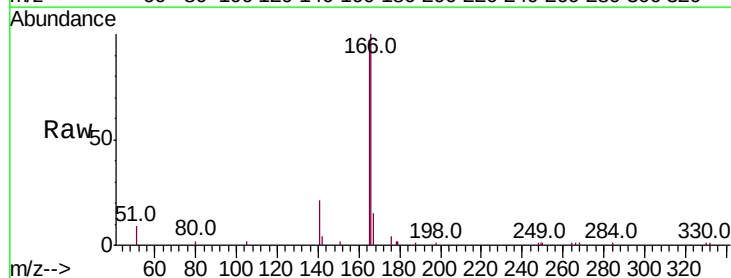
Tgt Ion:166 Resp: 5701

Ion Ratio Lower Upper

166 100

165 98.7 80.3 120.5

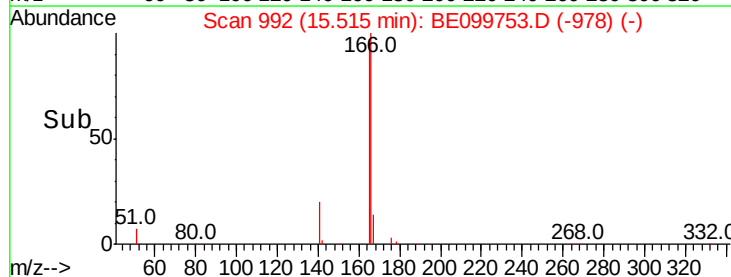
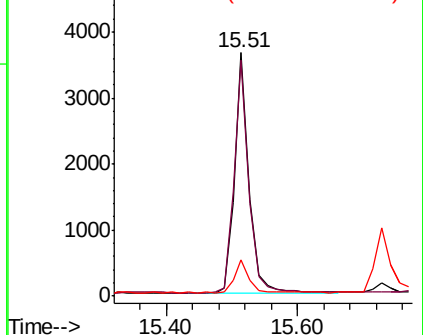
167 13.8 10.6 16.0

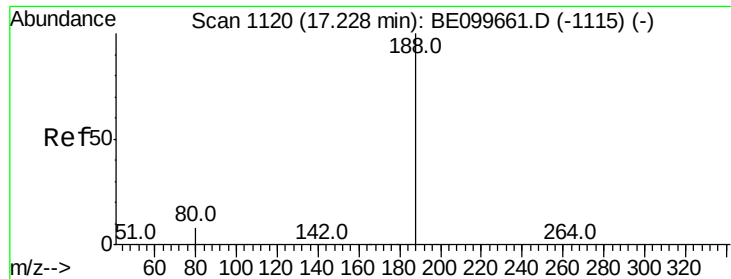


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.21 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

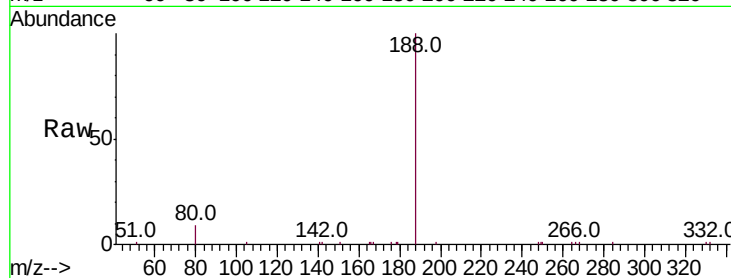
Tot Ion:188 Resp: 11261

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

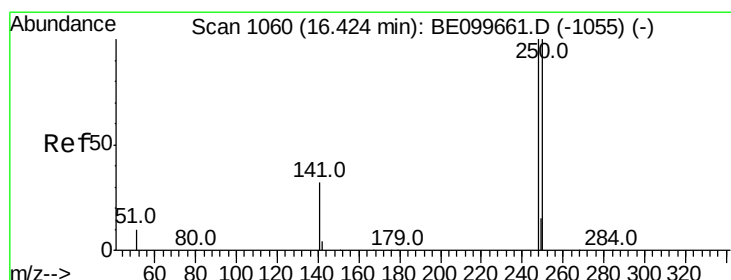
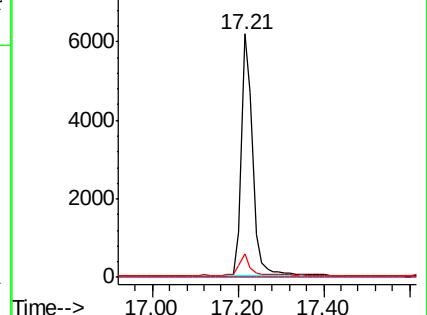
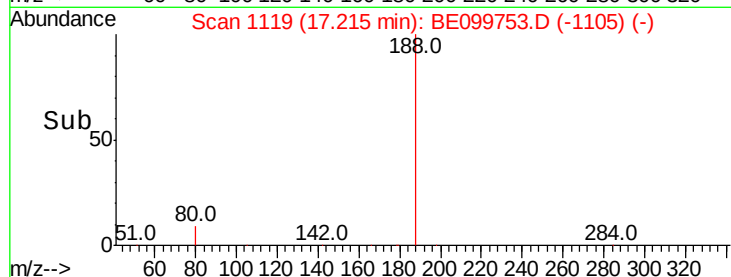
80 9.5 6.7 10.1



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: 0.396 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

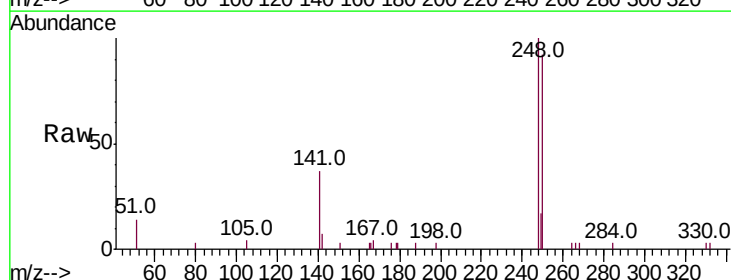
Tgt Ion:248 Resp: 2569

Ion Ratio Lower Upper

248 100

250 91.8 79.8 119.8

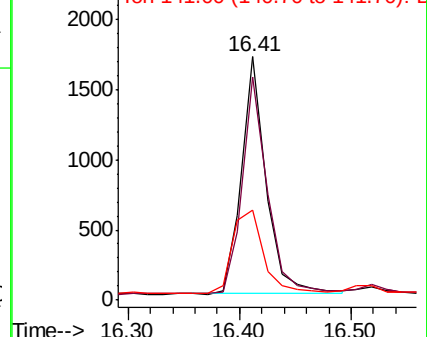
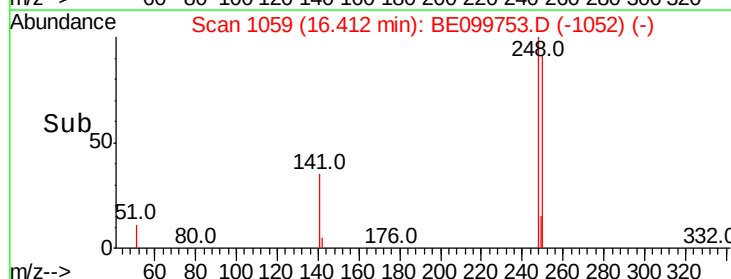
141 37.1 27.0 40.6

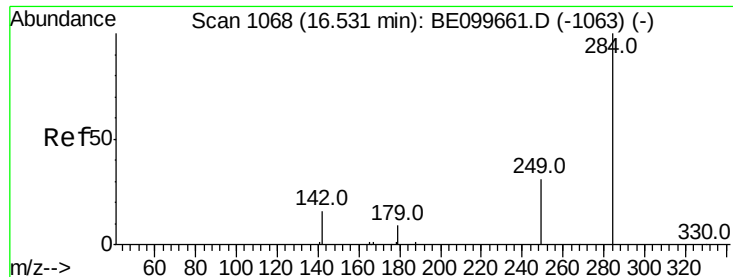


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.388 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

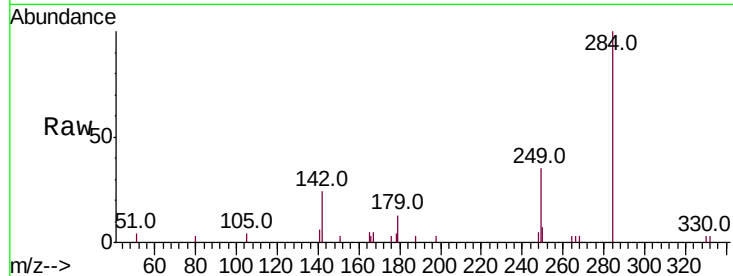
Tot Ion:284 Resp: 2576

Ion Ratio Lower Upper

284 100

142 23.8 17.8 26.6

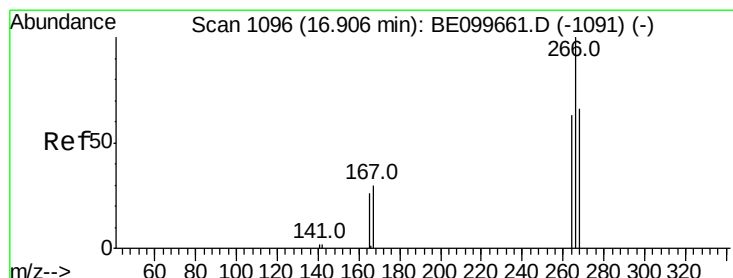
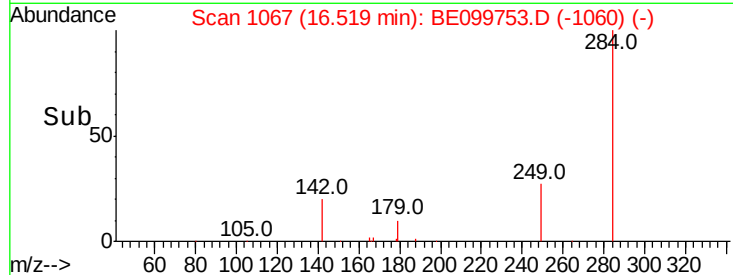
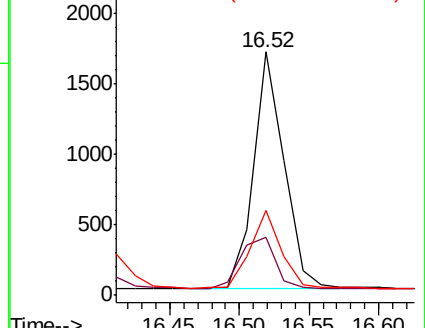
249 32.5 24.8 37.2



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: 0.633 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

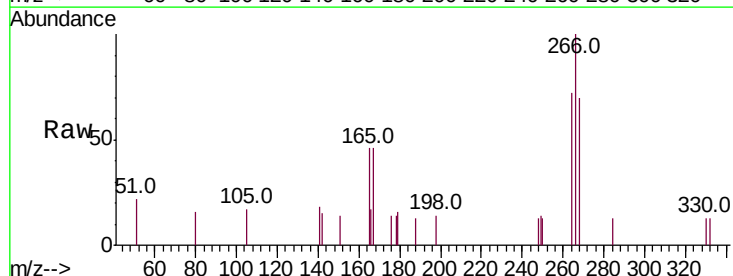
Tgt Ion:266 Resp: 953

Ion Ratio Lower Upper

266 100

264 72.2 57.2 85.8

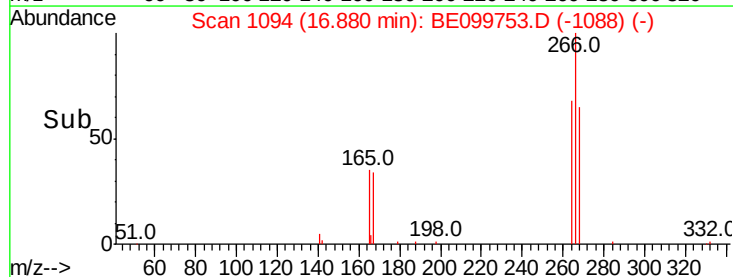
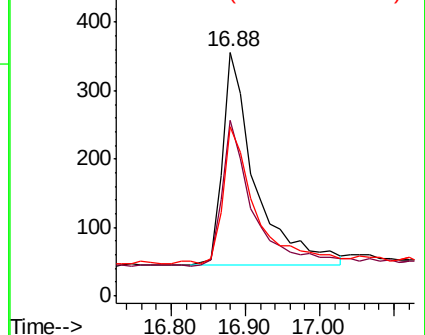
268 69.7 60.5 90.7

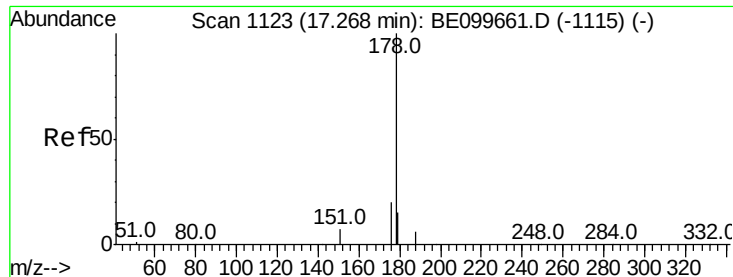


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.404 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

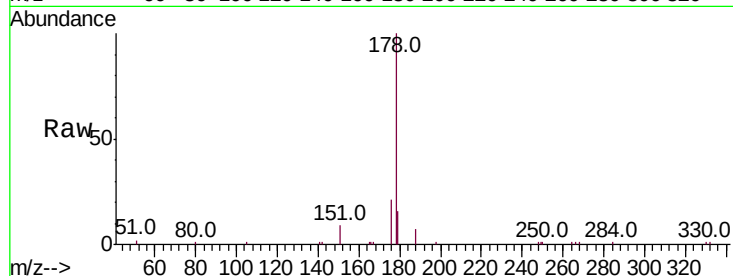
Tot Ion:178 Resp: 11128

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

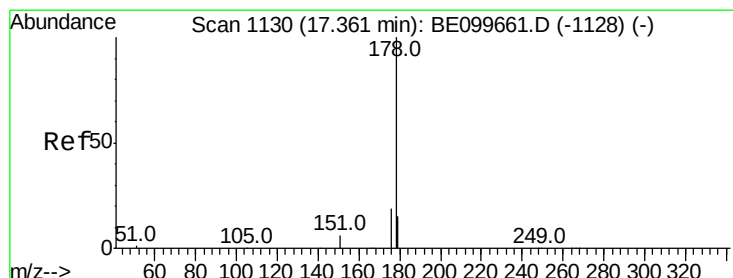
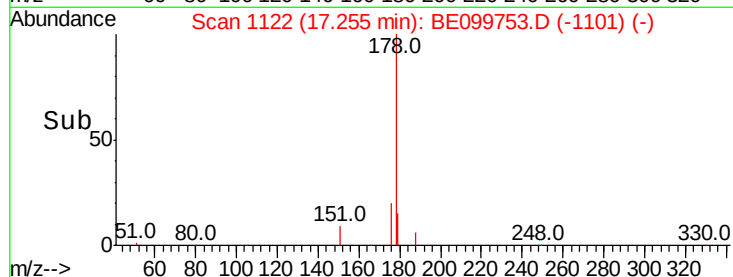
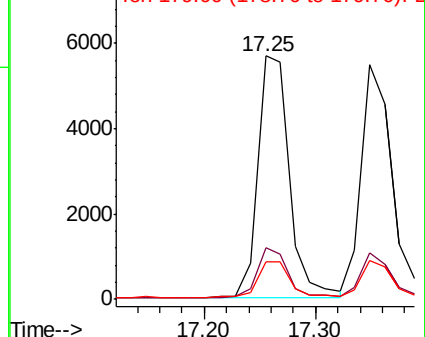
179 15.3 12.2 18.4



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: 0.404 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

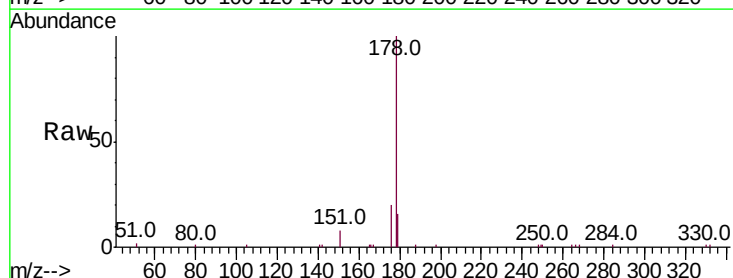
Tgt Ion:178 Resp: 10071

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

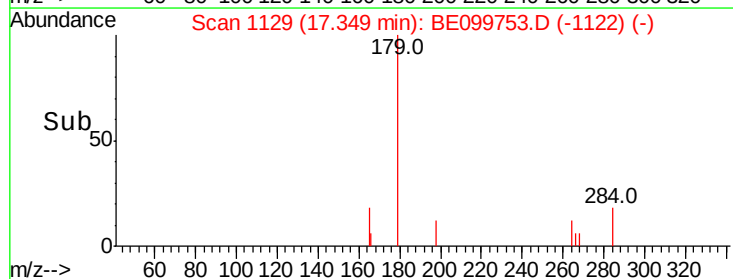
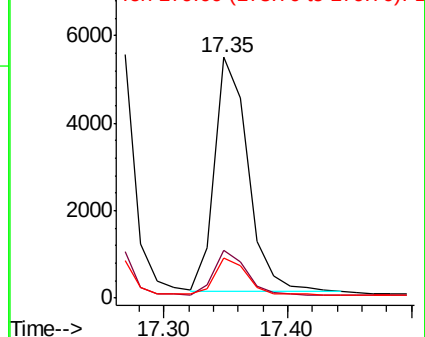
179 15.4 12.0 18.0

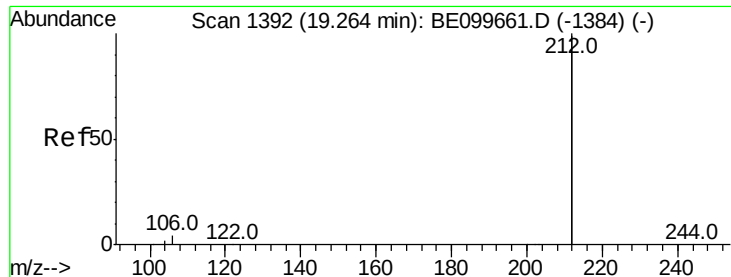


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.413 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

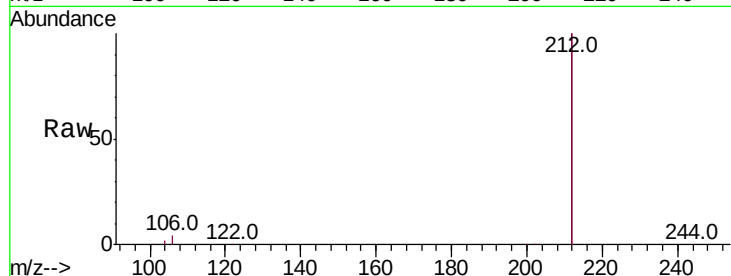
Tot Ion:212 Resp: 63495

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

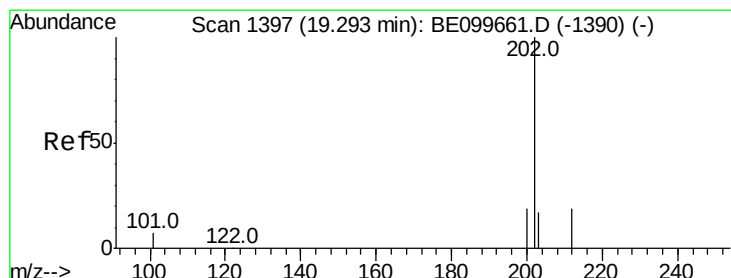
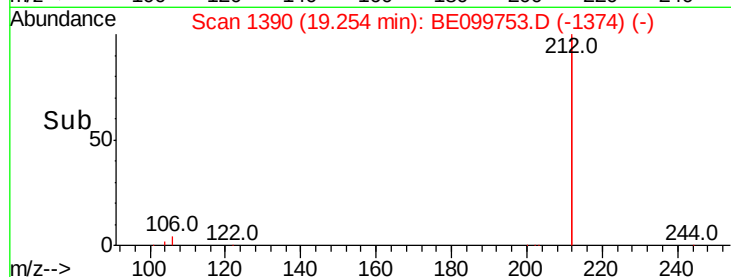
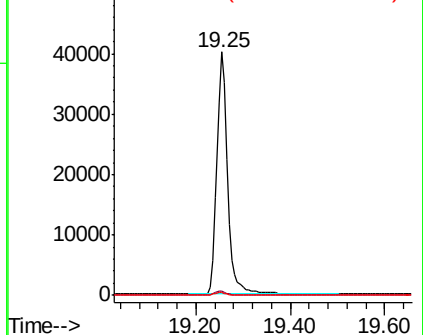
104 1.0 0.8 1.2



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: 0.414 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

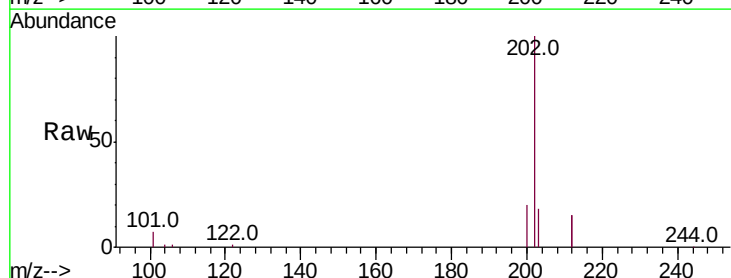
Tgt Ion:202 Resp: 17990

Ion Ratio Lower Upper

202 100

101 6.9 5.2 7.8

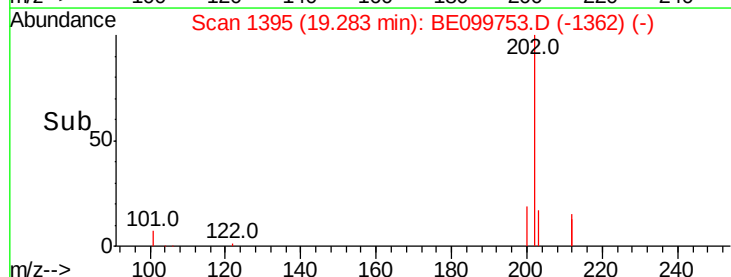
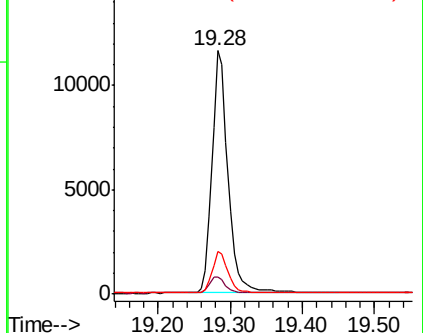
203 17.1 13.8 20.6

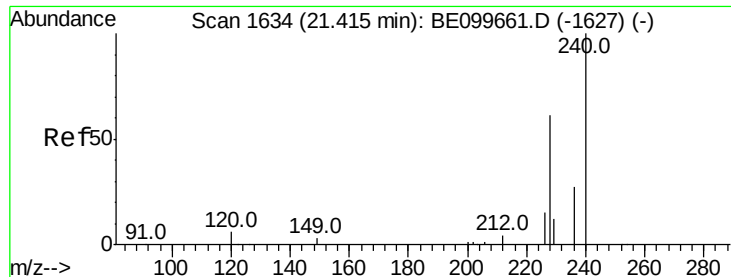


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

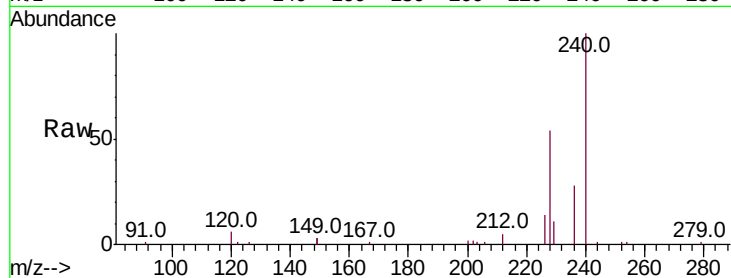




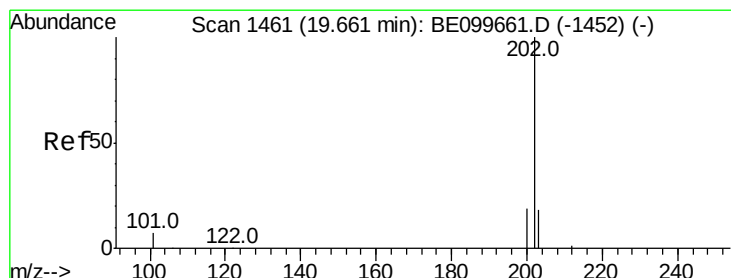
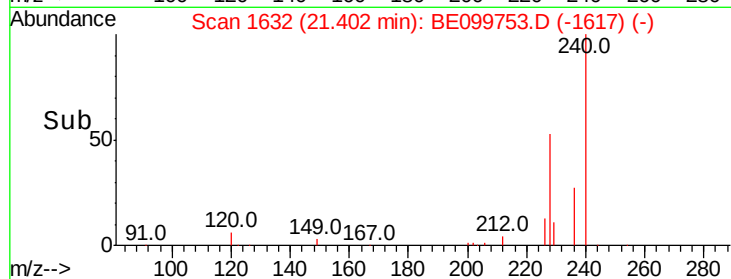
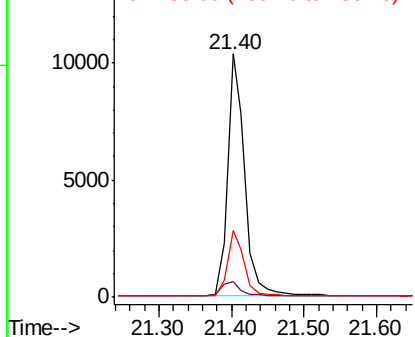
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099753.D
 Acq: 24 May 2019 21:35

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:240 Resp: 17290
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.4 8.0
 236 27.5 21.7 32.5

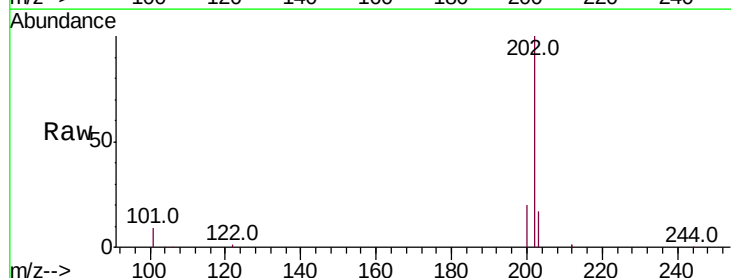


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

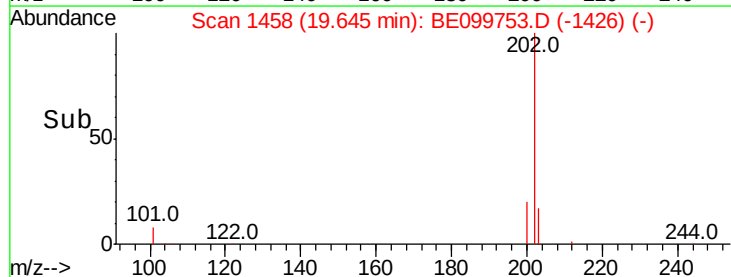
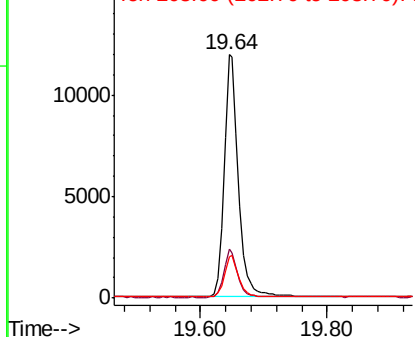


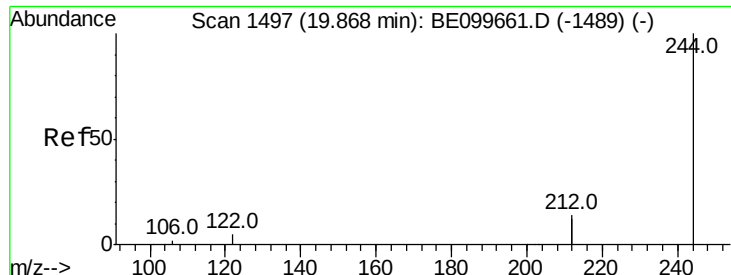
#28
 Pyrene
 Concen: 0.432 ng
 RT: 19.64 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BE099753.D
 Acq: 24 May 2019 21:35

Tgt Ion:202 Resp: 18787
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.4 23.2
 203 17.4 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: 0.408 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampled :

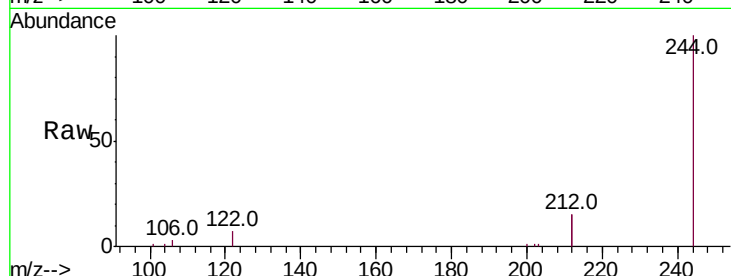
Tot Ion:244 Resp: 12606

Ion Ratio Lower Upper

244 100

212 30.5 22.5 33.7

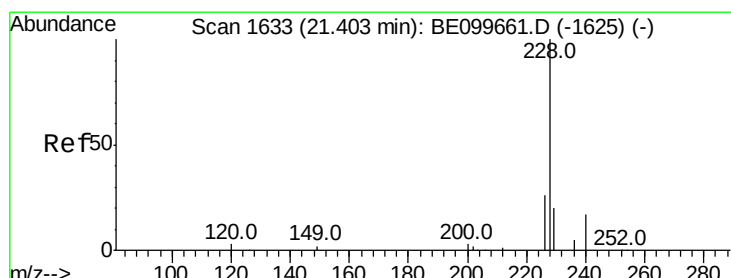
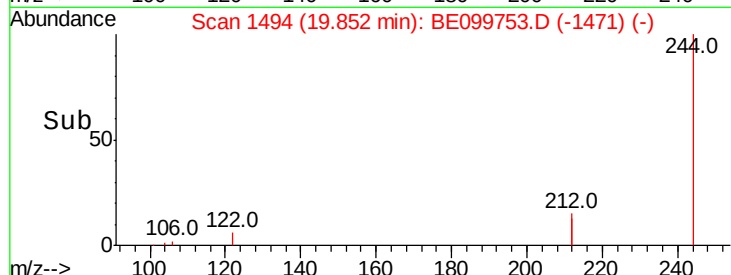
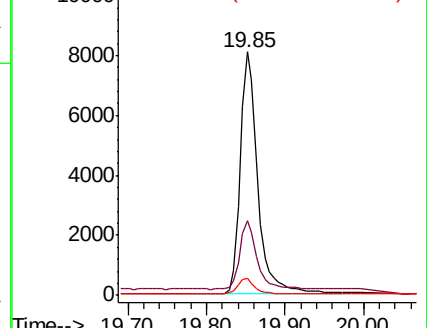
122 6.9 4.3 6.5#



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# 1631

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

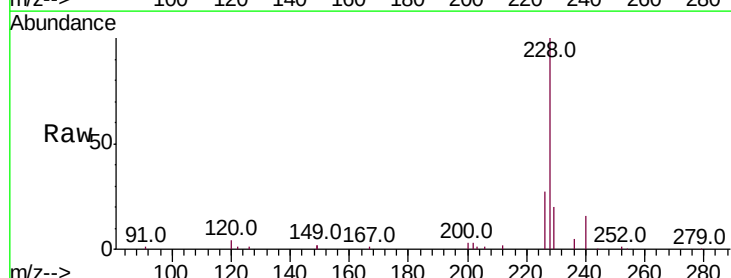
Tgt Ion:228 Resp: 20536

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

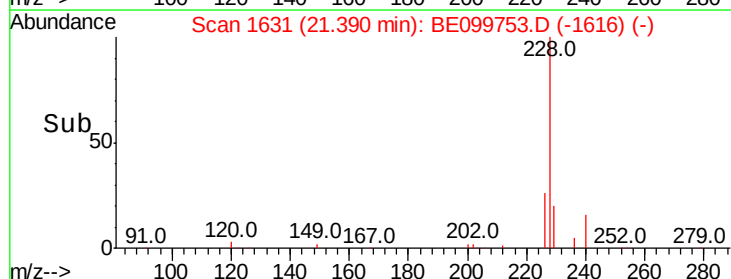
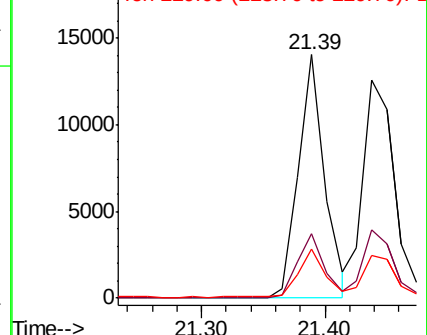
229 20.0 16.1 24.1

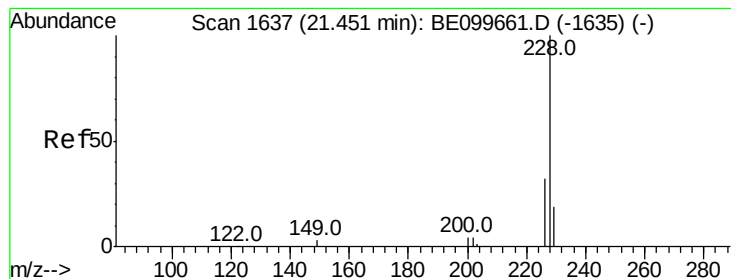


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.414 ng

RT: 21.44 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

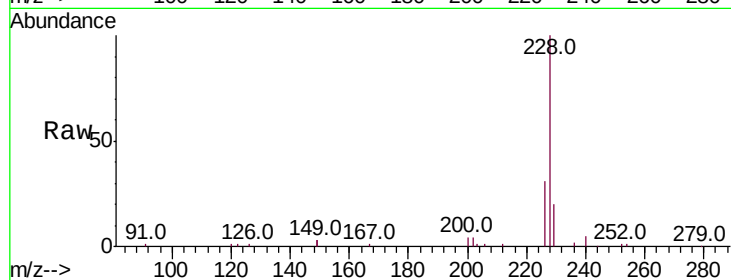
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 21765

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	19.7	15.8	23.6

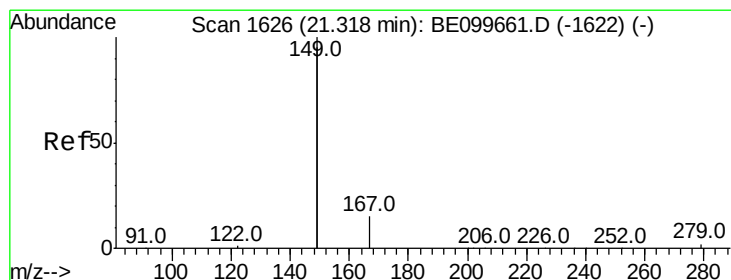
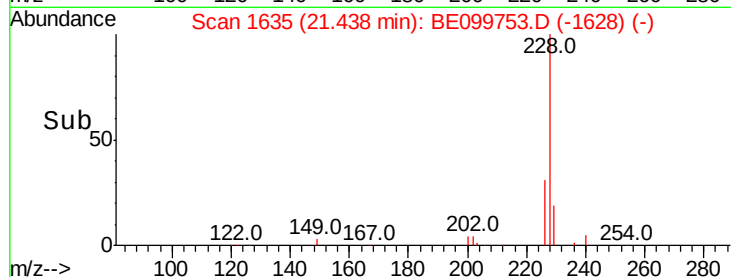
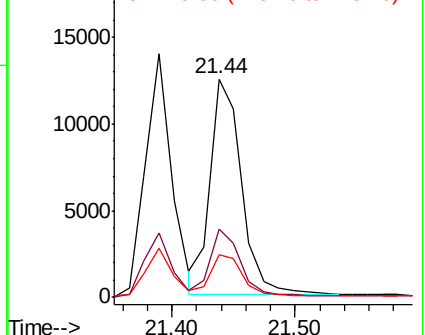


Abundance

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: 0.504 ng

RT: 21.30 min Scan# 1624

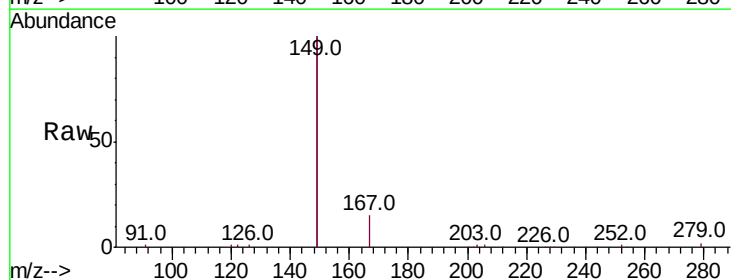
Delta R.T. -0.01 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Tgt Ion:149 Resp: 28511

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.4	1.2	1.8

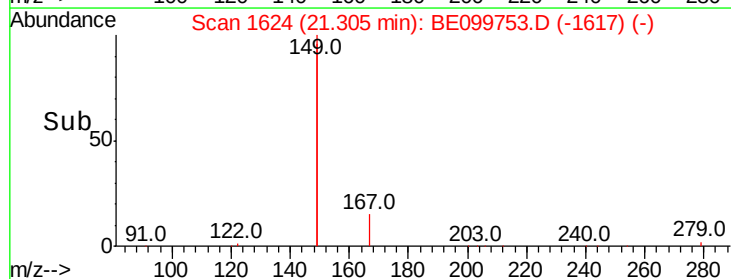
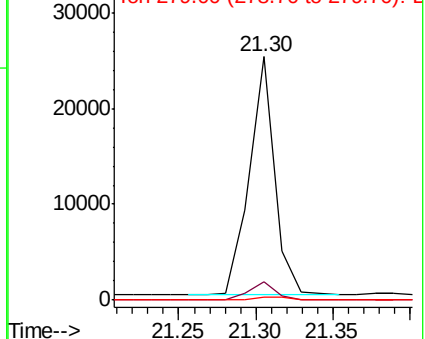


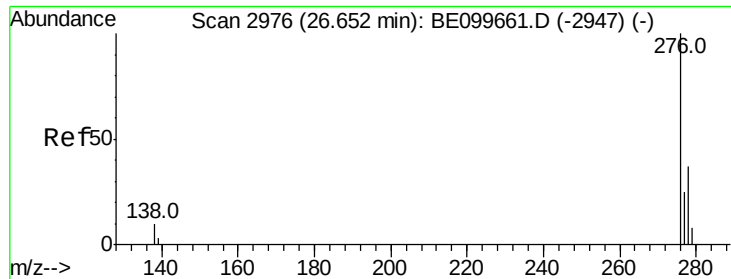
Abundance

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: 0.405 ng

RT: 26.62 min Scan# 2966

Delta R.T. -0.03 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

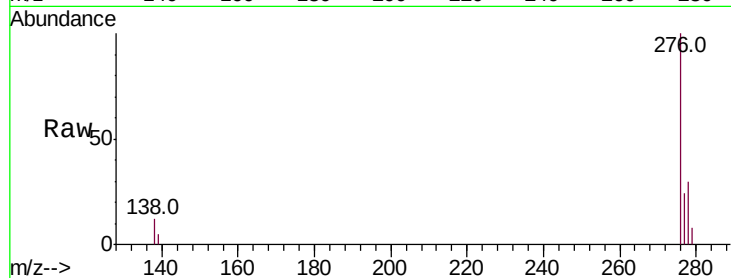
Tot Ion:276 Resp: 25704

Ion Ratio Lower Upper

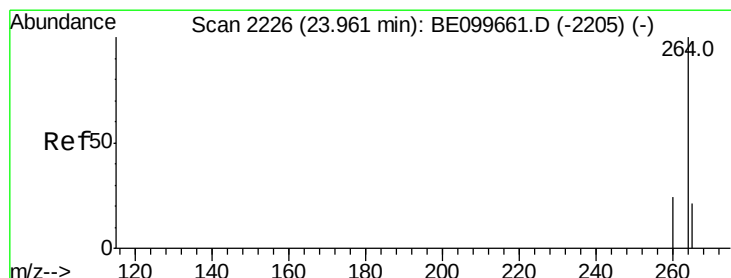
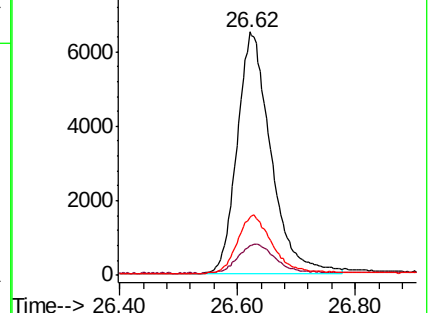
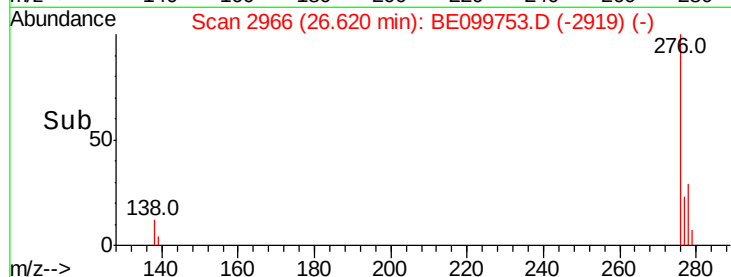
276 100

138 13.3 9.6 14.4

277 24.8 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# 2219

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

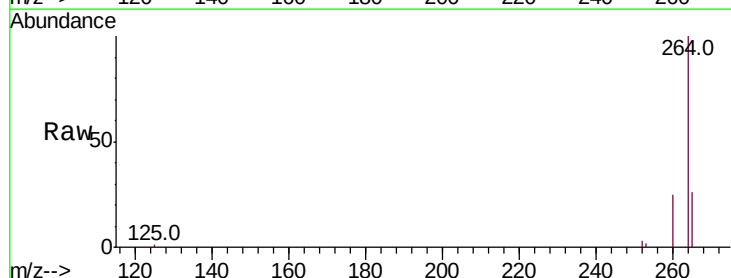
Tgt Ion:264 Resp: 18784

Ion Ratio Lower Upper

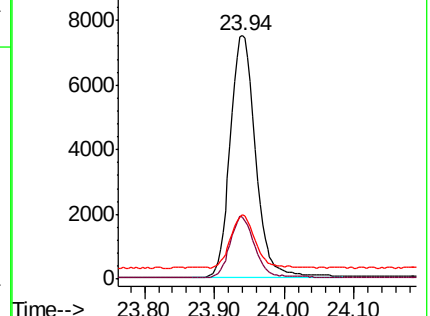
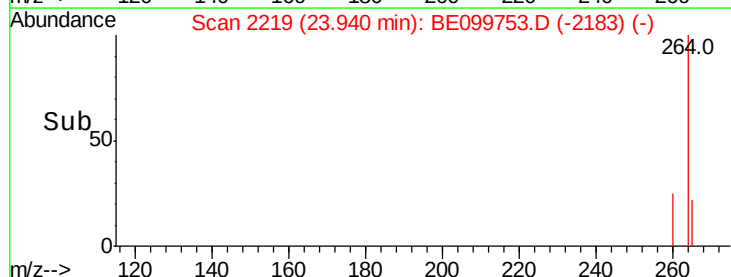
264 100

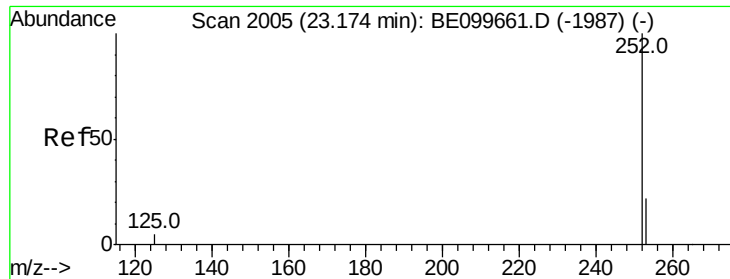
260 25.2 19.6 29.4

265 26.2 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: 0.422 ng

RT: 23.21 min Scan# 2014

Delta R.T. 0.04 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

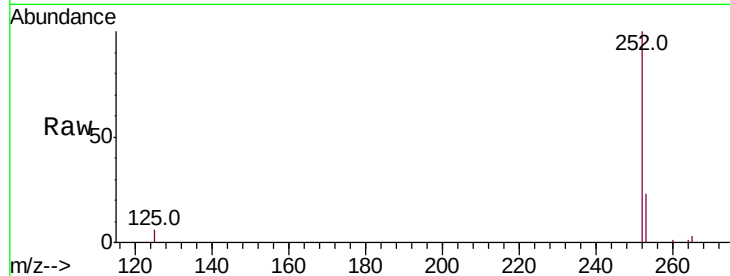
Tot Ion:252 Resp: 21707

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

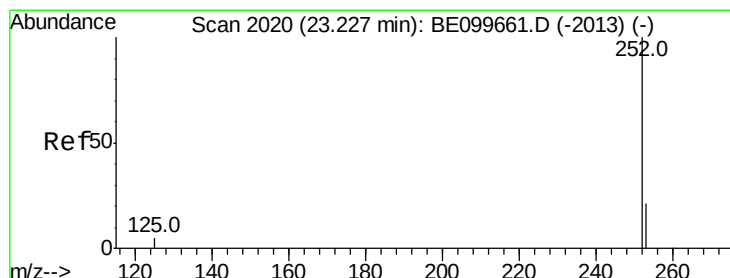
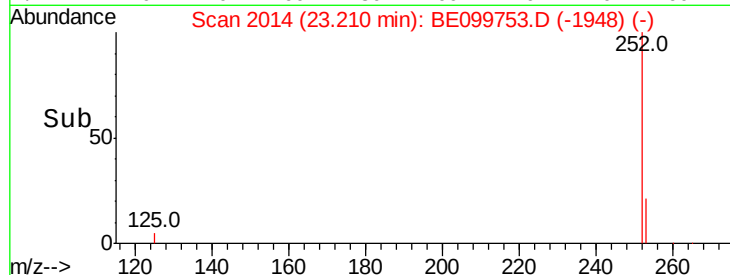
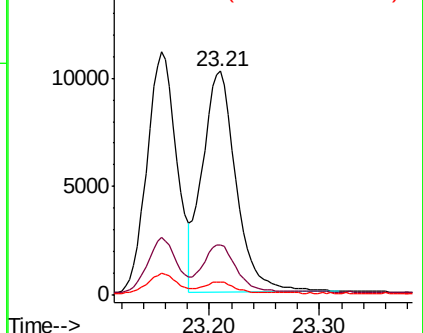
125 5.6 4.5 6.7



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: 0.405 ng

RT: 23.21 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

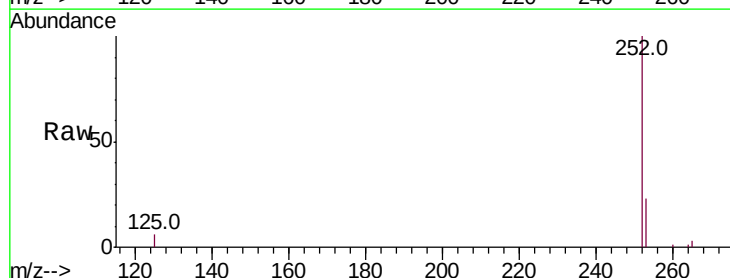
Tgt Ion:252 Resp: 21707

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

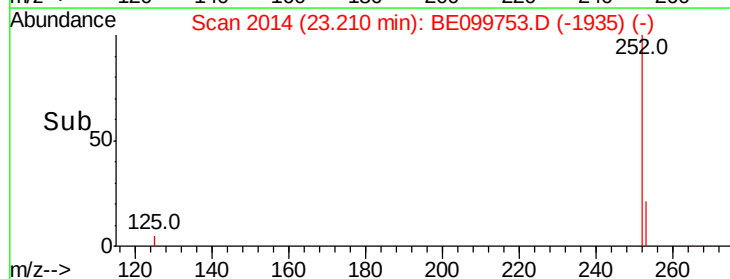
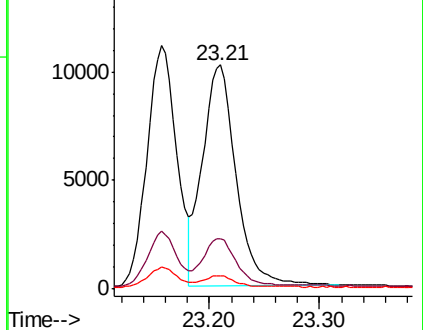
125 5.6 4.6 6.8

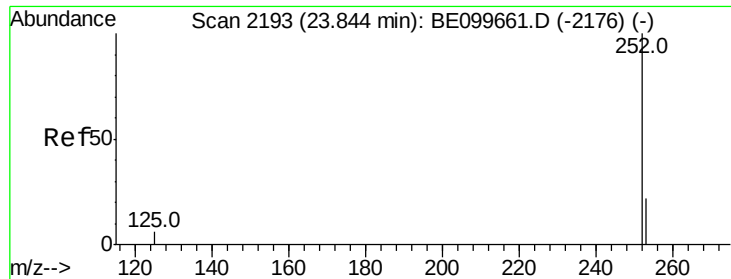


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.83 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :

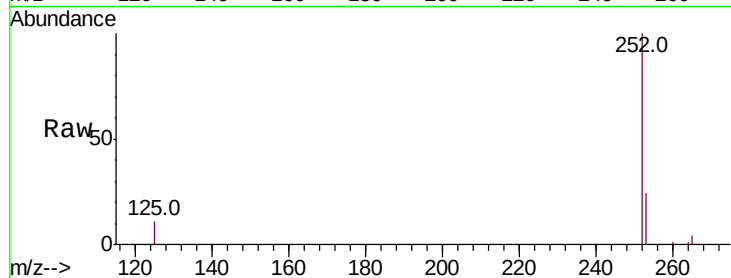
Tot Ion:252 Resp: 20429

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

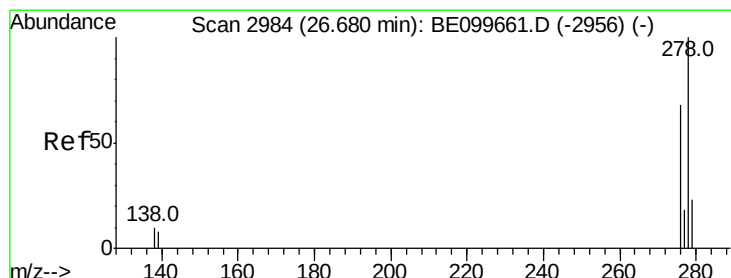
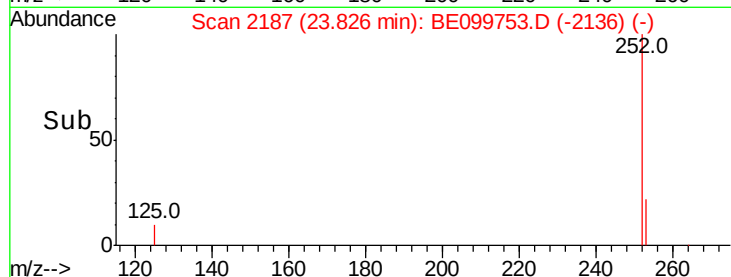
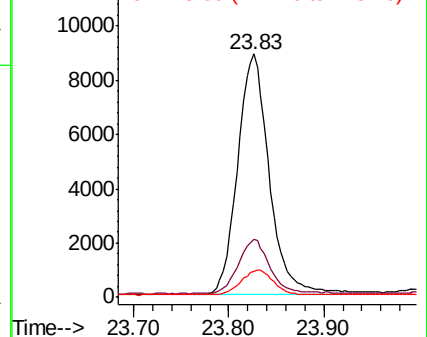
125 10.8 5.4 8.0#



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: 0.401 ng

RT: 26.65 min Scan# 2975

Delta R.T. -0.03 min

Lab File: BE099753.D

Acq: 24 May 2019 21:35

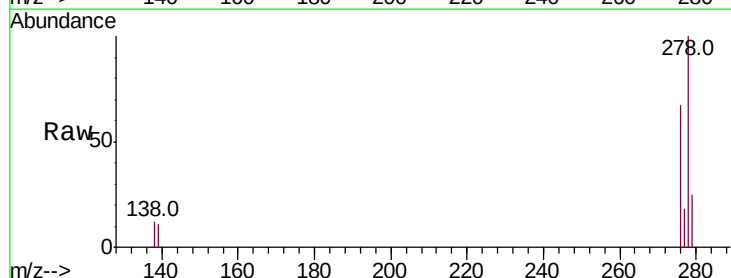
Tgt Ion:278 Resp: 20861

Ion Ratio Lower Upper

278 100

139 10.9 6.9 10.3#

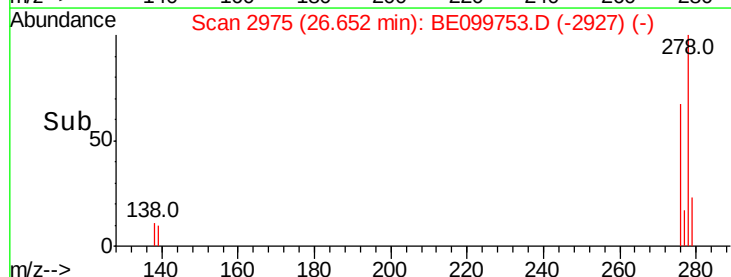
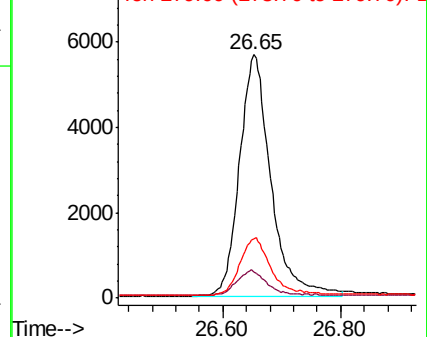
279 24.6 19.2 28.8

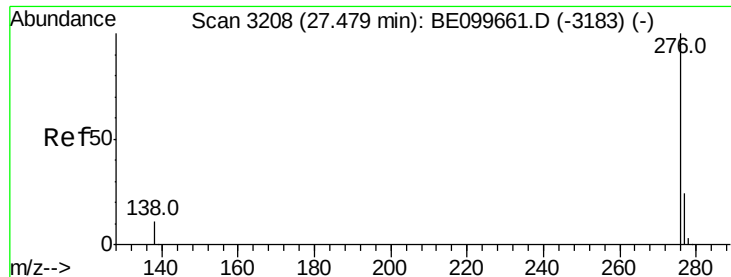


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.404 ng

RT: 27.45 min Scan# 3200

Delta R.T. -0.02 min

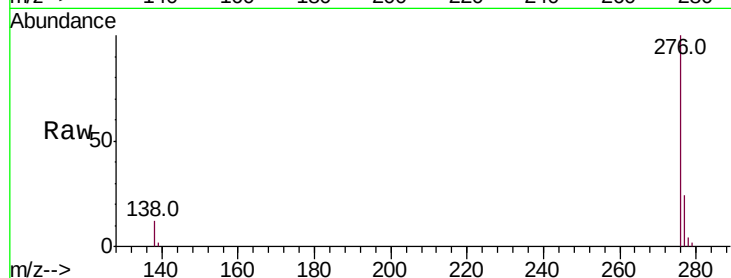
Lab File: BE099753.D

Acq: 24 May 2019 21:35

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 21226

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 11.5 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

