

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052819\
 Data File : BE099770.D
 Acq On : 28 May 2019 23:09
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 29 04:11:32 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	7.81	152	1450	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	5303	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	4139	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	13334	0.40	ng	0.00
27) Chrysene-d12	21.40	240	18926	0.40	ng	-0.01
34) Perylene-d12	23.94	264	22107	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	1465	0.40	ng	0.00
5) Phenol-d6	6.97	99	1927	0.40	ng	0.00
8) Nitrobenzene-d5	8.96	82	1664	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3341	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	1026	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	5268	0.34	ng	0.00
25) Fluoranthene-d10	19.26	212	65291	0.36	ng	0.00
29) Terphenyl-d14	19.86	244	13220	0.39	ng	-0.01

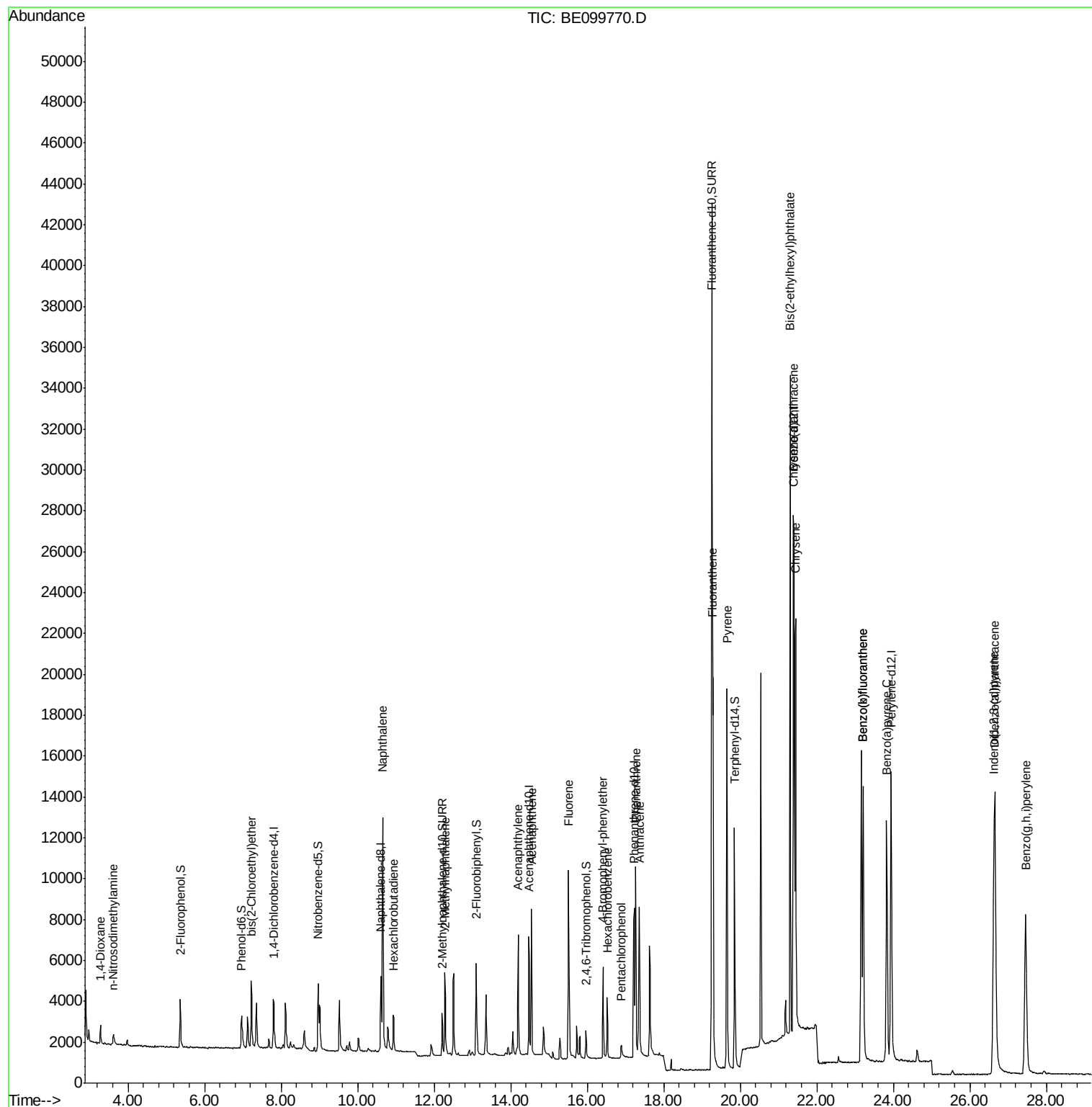
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	697	0.325	ng	97
3) n-Nitrosodimethylamine	3.61	42	427	0.360	ng	# 80
6) bis(2-Chloroethyl)ether	7.22	93	1480	0.343	ng	99
9) Naphthalene	10.65	128	20231	0.357	ng	100
10) Hexachlorobutadiene	10.93	225	1479	0.354	ng	95
12) 2-Methylnaphthalene	12.28	142	3399	0.368	ng	99
16) Acenaphthylene	14.20	152	7065	0.366	ng	100
17) Acenaphthene	14.54	154	3898	0.360	ng	99
18) Fluorene	15.51	166	5927	0.372	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	2623	0.341	ng	# 95
21) Hexachlorobenzene	16.52	284	2648	0.337	ng	98
22) Pentachlorophenol	16.89	266	743	0.484	ng	97
23) Phenanthrene	17.27	178	11760	0.361	ng	99
24) Anthracene	17.36	178	10659	0.361	ng	99
26) Fluoranthene	19.29	202	18541	0.360	ng	100
28) Pyrene	19.65	202	19230	0.404	ng	100
30) Benzo(a)anthracene	21.39	228	21672	0.403	ng	99
31) Chrysene	21.45	228	22589	0.393	ng	97
32) Bis(2-ethylhexyl)phthalate	21.31	149	32349	0.522	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	26429	0.381	ng	98
35) Benzo(b)fluoranthene	23.21	252	21895	0.361	ng	100
36) Benzo(k)fluoranthene	23.21	252	21895	0.347	ng	99
37) Benzo(a)pyrene	23.83	252	21271	0.365	ng	# 97
38) Dibenzo(a,h)anthracene	26.65	278	21377	0.349	ng	98
39) Benzo(g,h,i)perylene	27.46	276	21967	0.355	ng	100

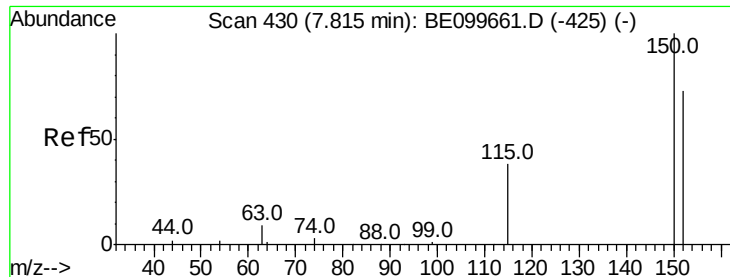
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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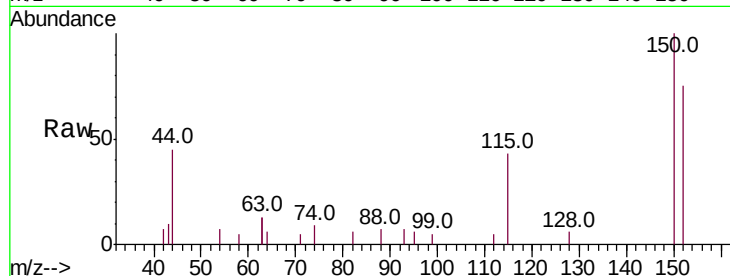


#1

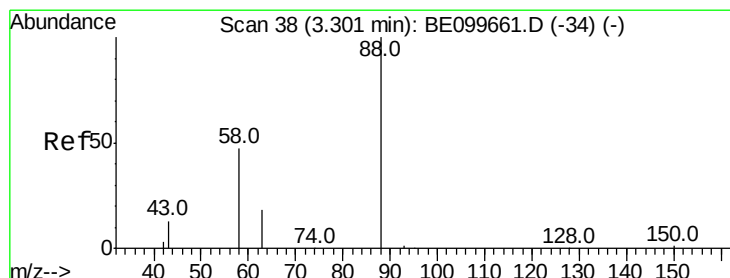
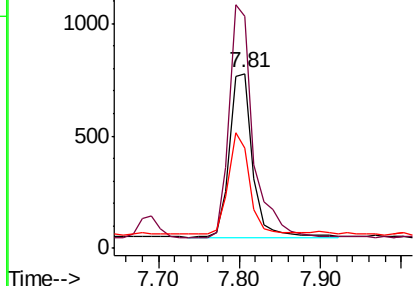
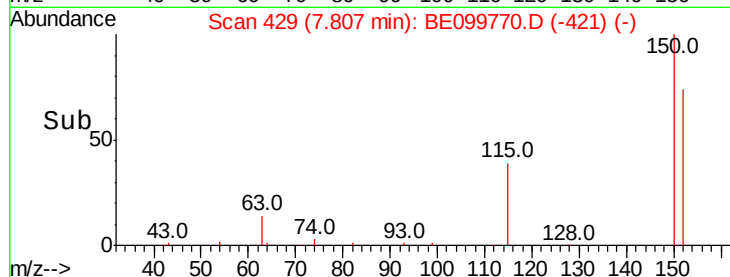
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099770.D
Acq: 28 May 2019 23:09

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1450
Ion Ratio Lower Upper
152 100
150 132.8 109.2 163.8
115 57.5 43.7 65.5



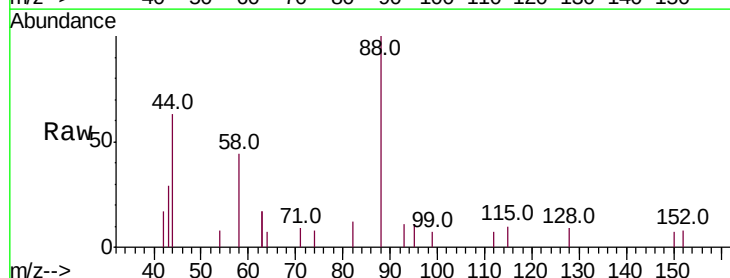
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



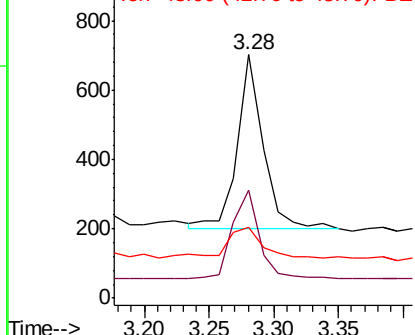
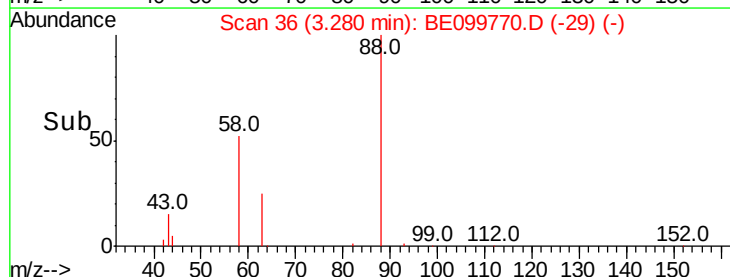
#2

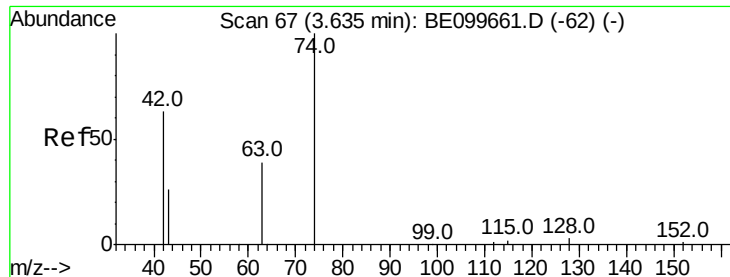
1,4-Dioxane
Concen: 0.325 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.02 min
Lab File: BE099770.D
Acq: 28 May 2019 23:09

Tgt Ion: 88 Resp: 697
Ion Ratio Lower Upper
88 100
58 53.5 41.8 62.8
43 22.2 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: 0.360 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

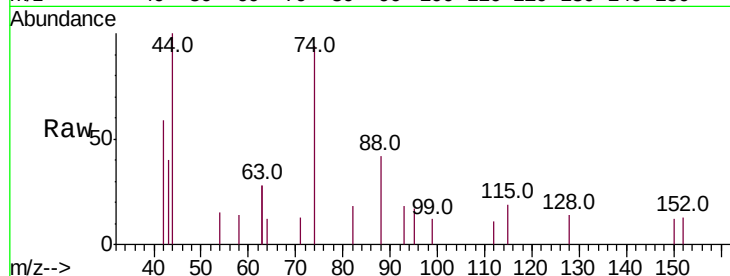
Tot Ion: 42 Resp: 427

Ion Ratio Lower Upper

42 100

74 188.5 129.2 193.8

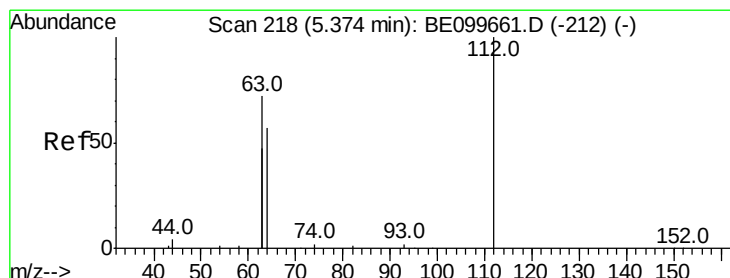
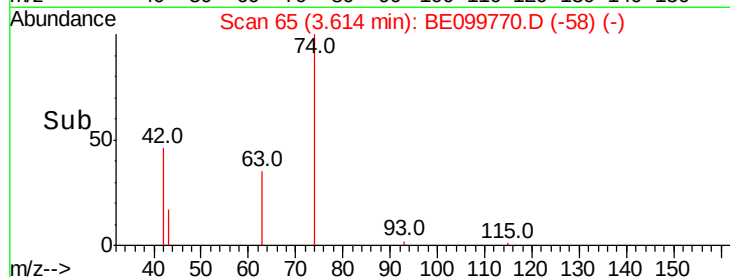
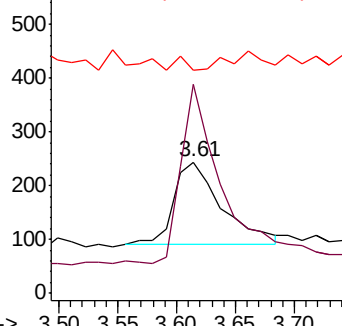
44 0.0 0.0 0.0



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: 0.400 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

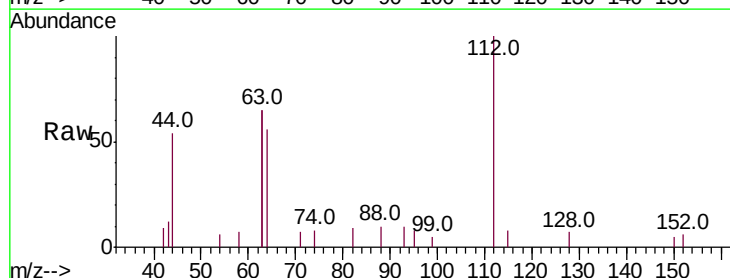
Tgt Ion: 112 Resp: 1465

Ion Ratio Lower Upper

112 100

64 52.1 43.4 65.2

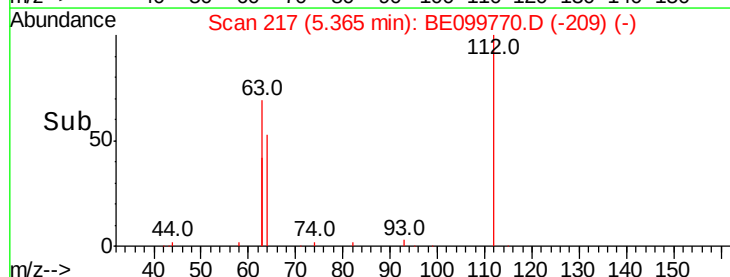
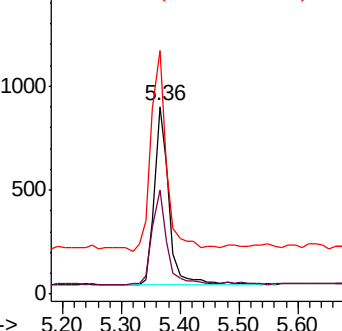
63 119.2 96.9 145.3

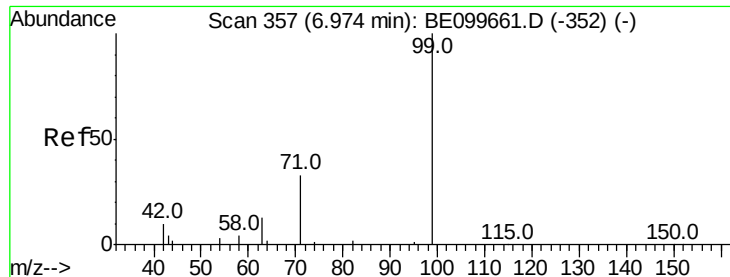


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.397 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

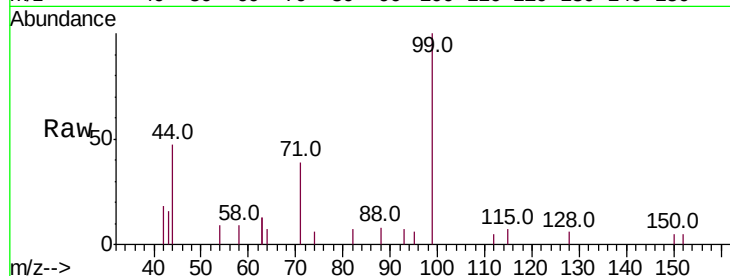
Tot Ion: 99 Resp: 1927

Ion Ratio Lower Upper

99 100

42 16.7 12.2 18.2

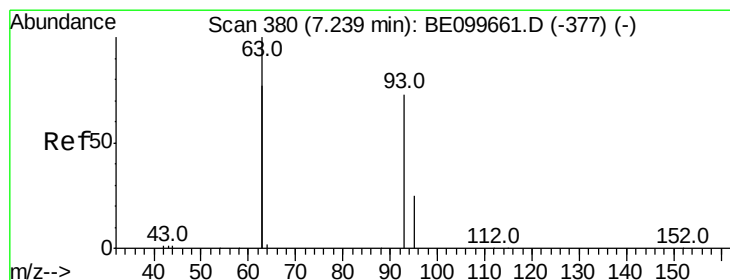
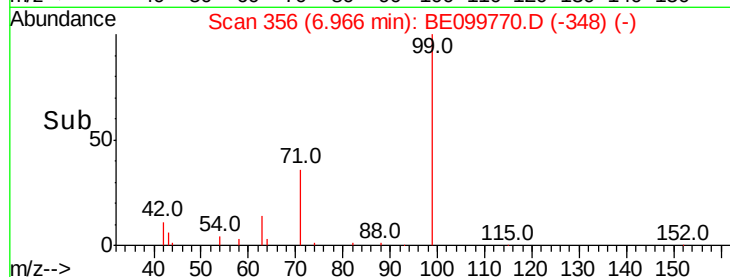
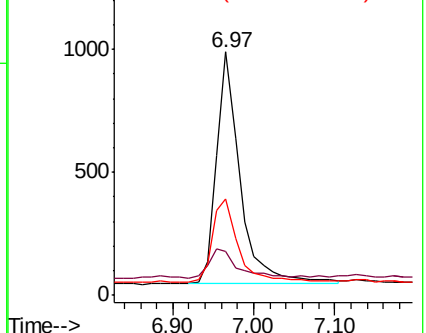
71 39.1 28.9 43.3



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: 0.343 ng

RT: 7.22 min Scan# 378

Delta R.T. -0.02 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

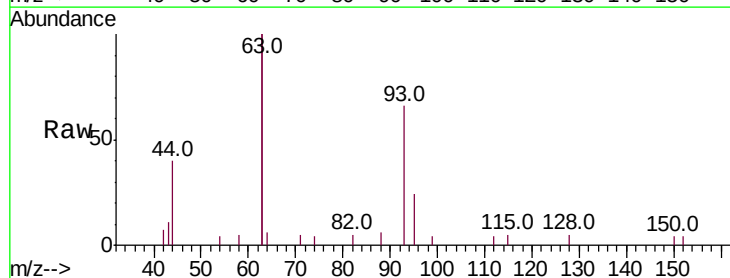
Tgt Ion: 93 Resp: 1480

Ion Ratio Lower Upper

93 100

63 257.6 207.8 311.6

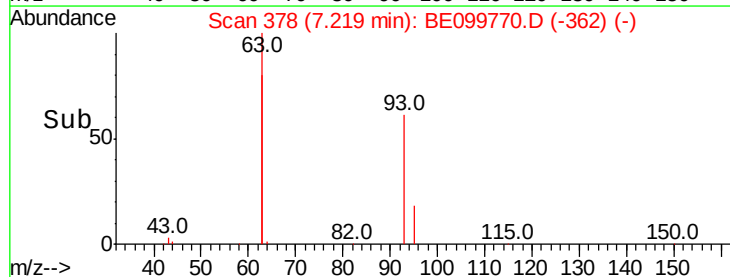
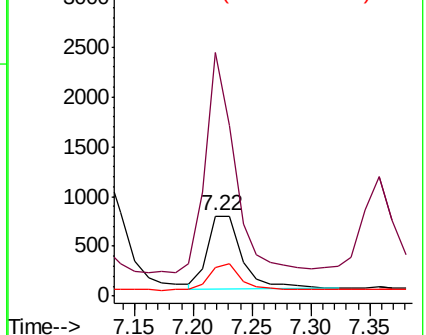
95 33.4 25.9 38.9

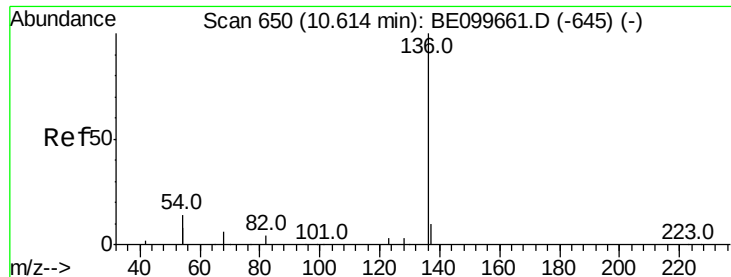


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5303

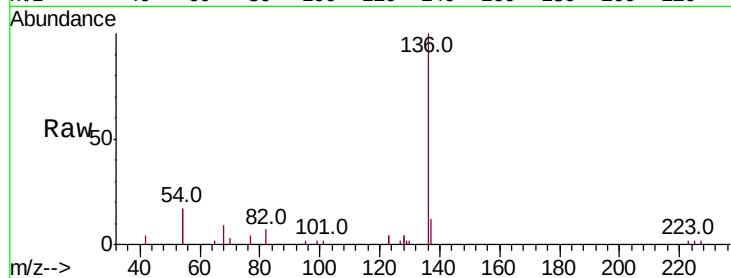
Ion Ratio Lower Upper

136 100

137 12.4 9.0 13.6

54 33.9 22.3 33.5#

68 8.7 6.0 9.0

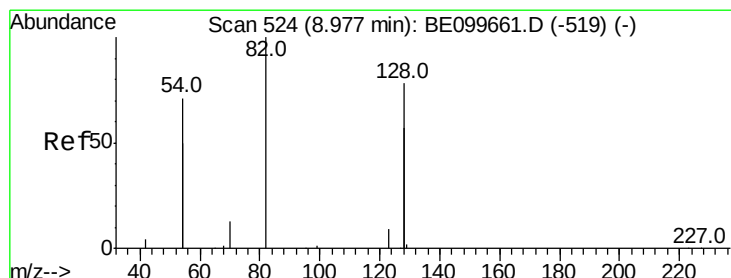
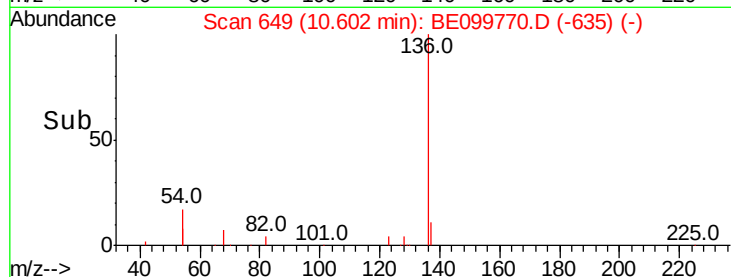
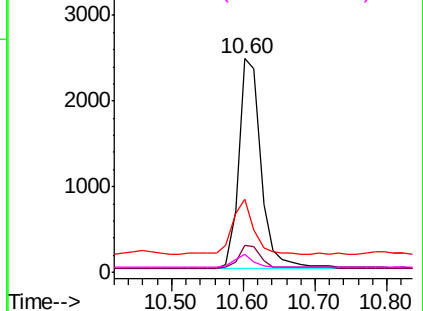


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.362 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

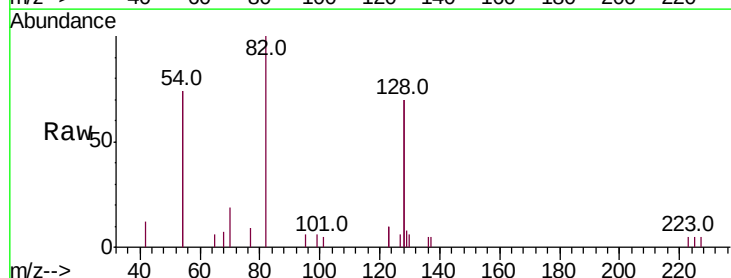
Tgt Ion: 82 Resp: 1664

Ion Ratio Lower Upper

82 100

128 140.5 117.7 176.5

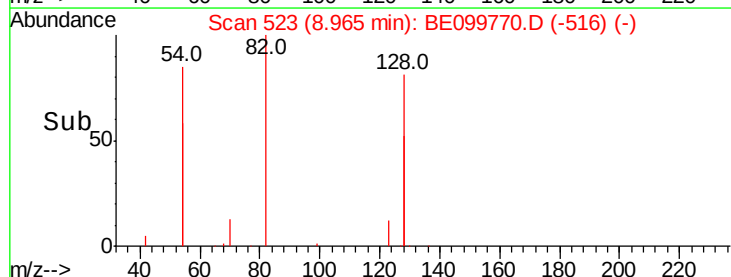
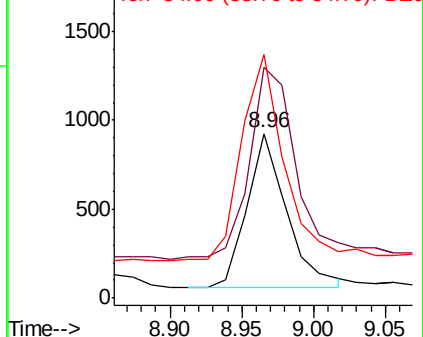
54 148.1 106.6 160.0

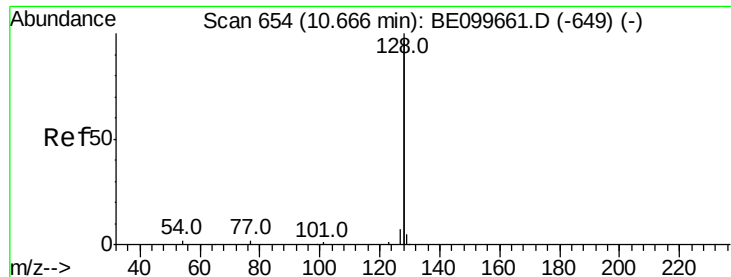


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.357 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampled :

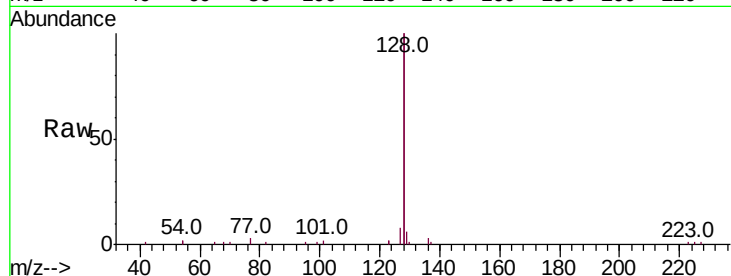
Tot Ion:128 Resp: 20231

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

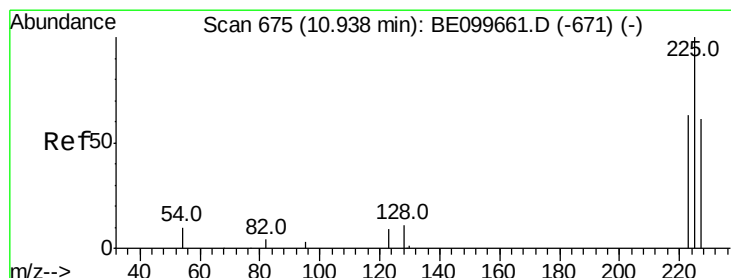
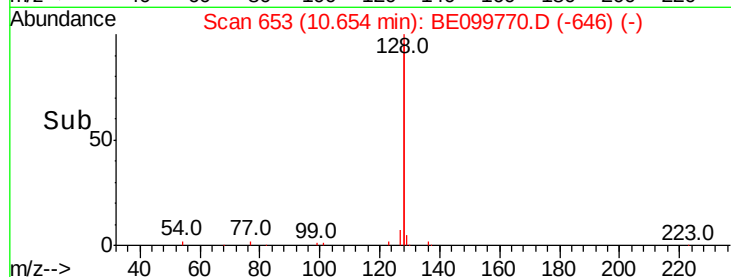
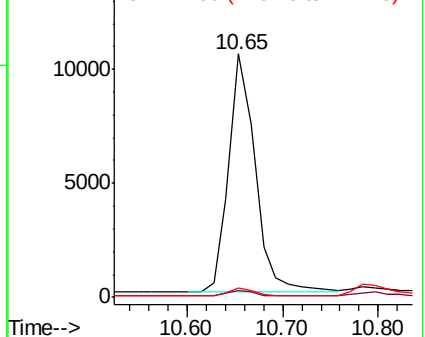
127 3.8 2.9 4.3



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: 0.354 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

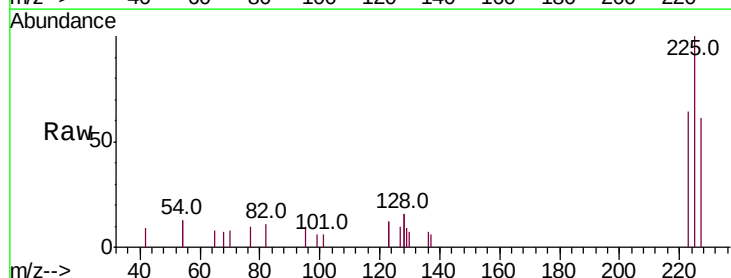
Tgt Ion:225 Resp: 1479

Ion Ratio Lower Upper

225 100

223 60.9 51.8 77.6

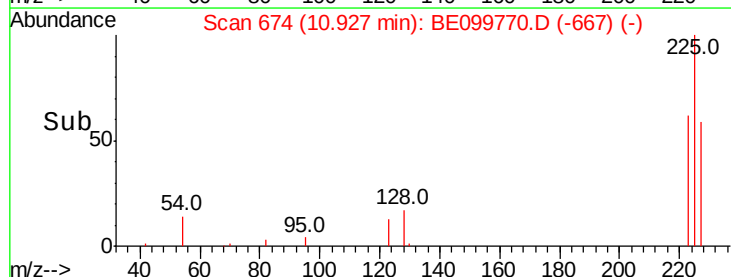
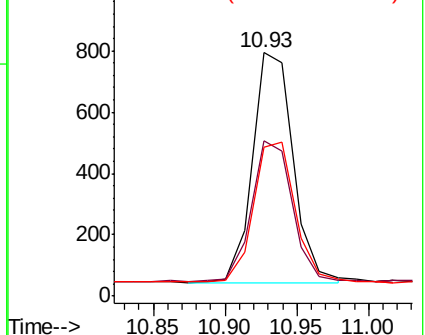
227 62.0 52.6 79.0

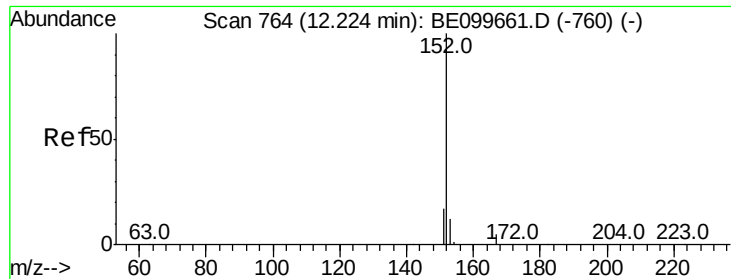


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

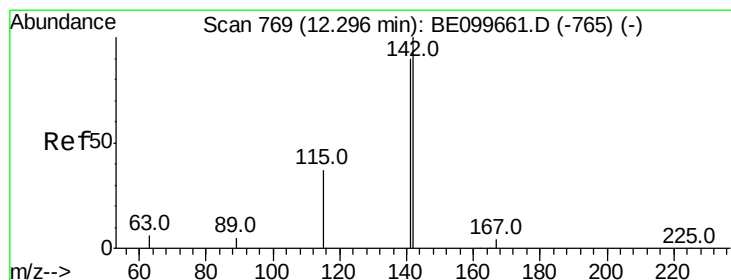
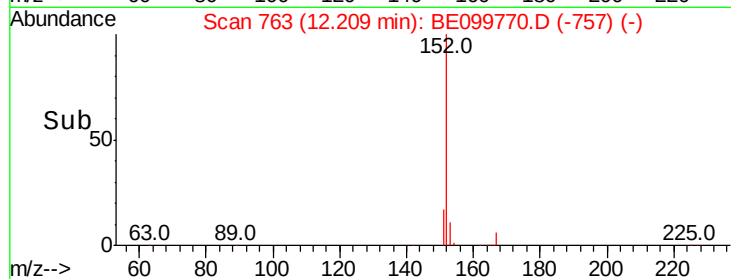
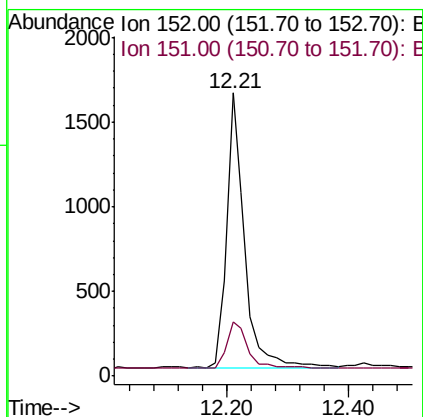
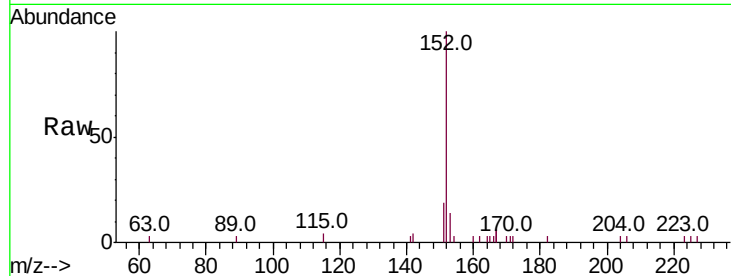




#11
2-Methylnaphthalene-d10
Concen: 0.365 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099770.D
Acq: 28 May 2019 23:09

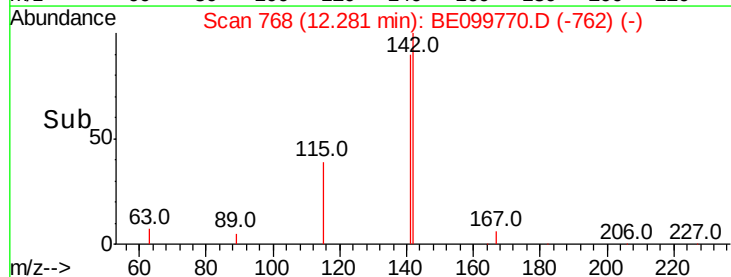
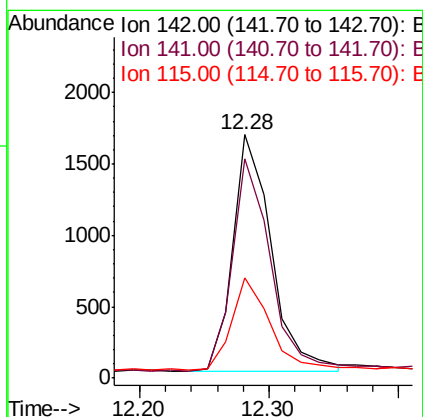
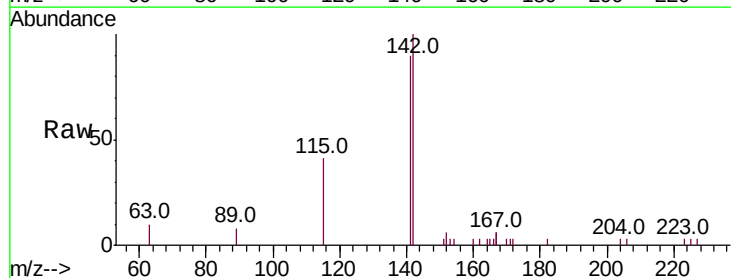
Instrument :
BNA_E
ClientSampleId :

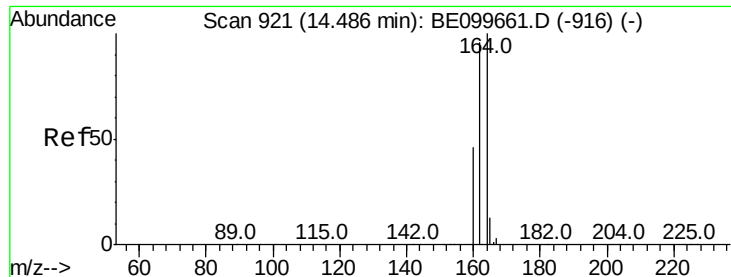
Tot Ion:152 Resp: 3341
Ion Ratio Lower Upper
152 100
151 20.8 15.0 22.4



#12
2-Methylnaphthalene
Concen: 0.368 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099770.D
Acq: 28 May 2019 23:09

Tgt Ion:142 Resp: 3399
Ion Ratio Lower Upper
142 100
141 90.3 72.0 108.0
115 41.2 31.0 46.4

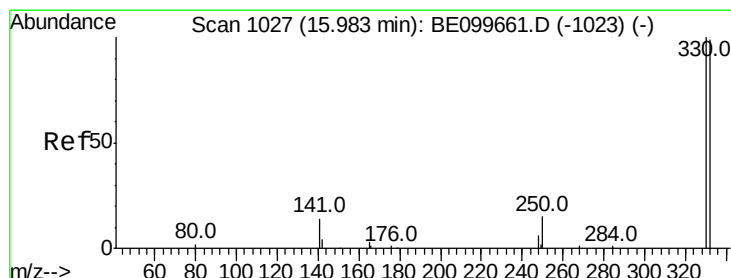
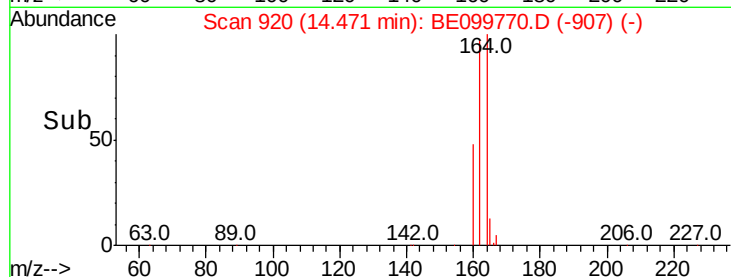
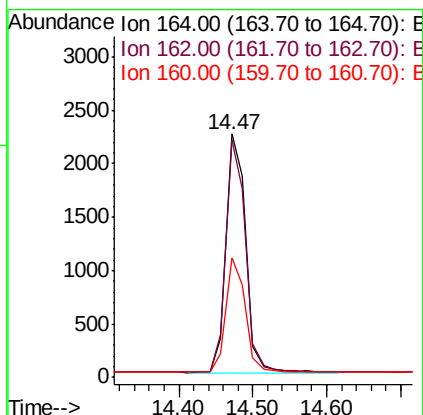
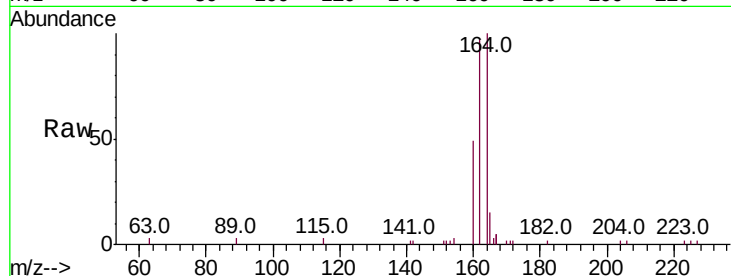




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BE099770.D
 Acq: 28 May 2019 23:09

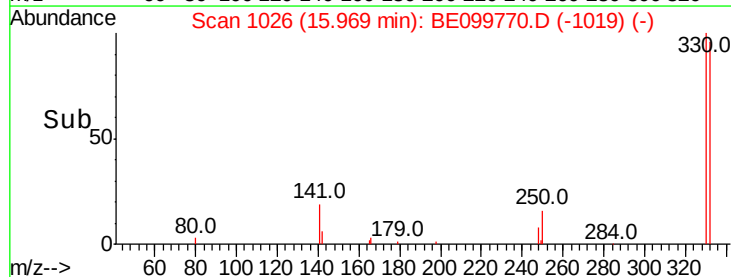
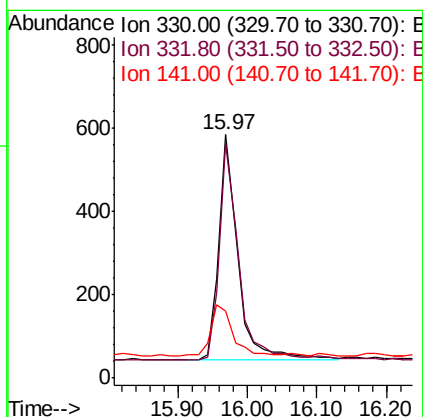
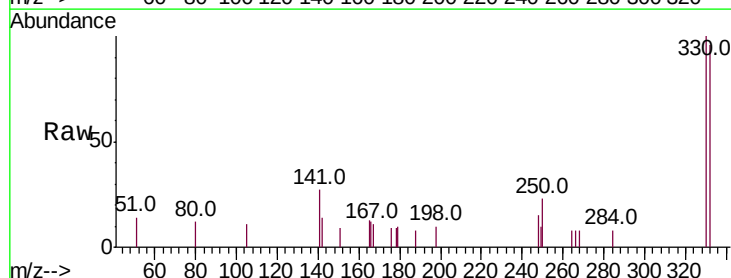
Instrument :
 BNA_E
 ClientSampleId :

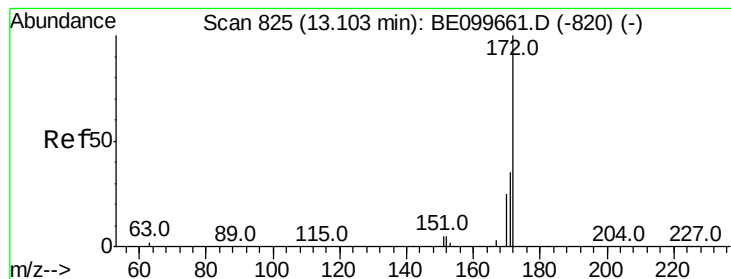
Tot Ion:164 Resp: 4139
 Ion Ratio Lower Upper
 164 100
 162 97.4 76.5 114.7
 160 49.0 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.454 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099770.D
 Acq: 28 May 2019 23:09

Tgt Ion:330 Resp: 1026
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.3 115.9
 141 25.2 18.9 28.3





#15

2-Fluorobiphenyl

Concen: 0.335 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

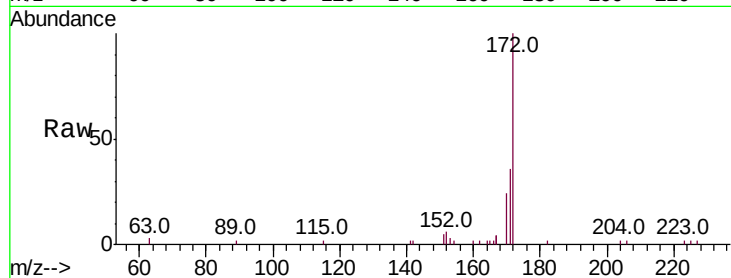
Tot Ion:172 Resp: 5268

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

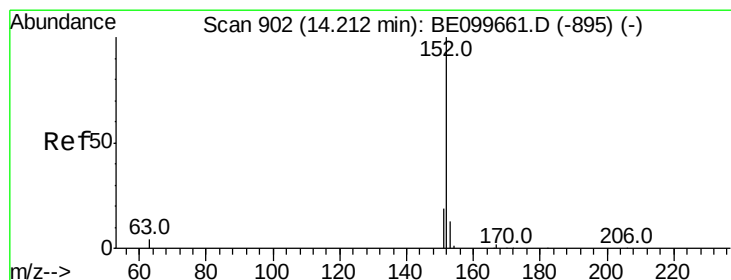
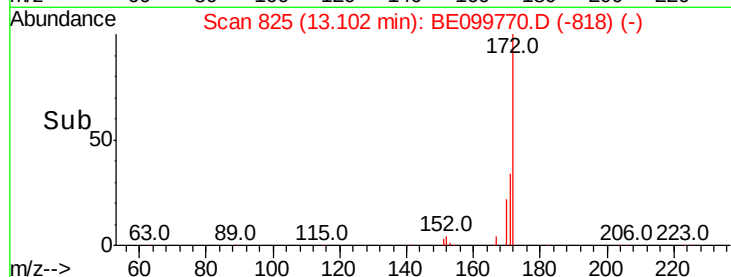
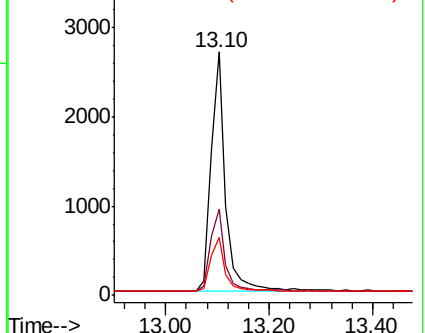
170 23.9 20.9 31.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.366 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

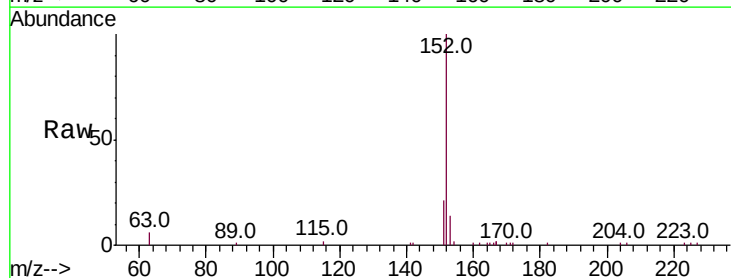
Tgt Ion:152 Resp: 7065

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

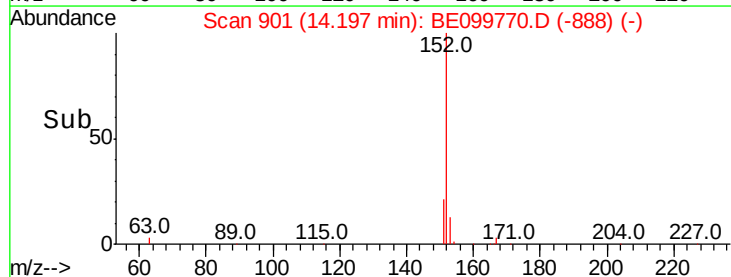
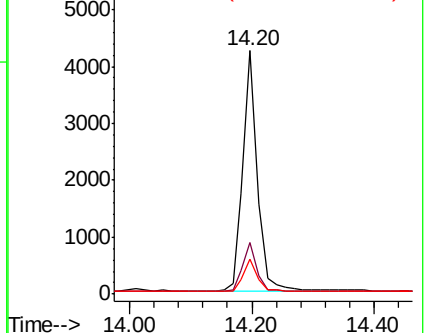
153 13.2 10.6 16.0

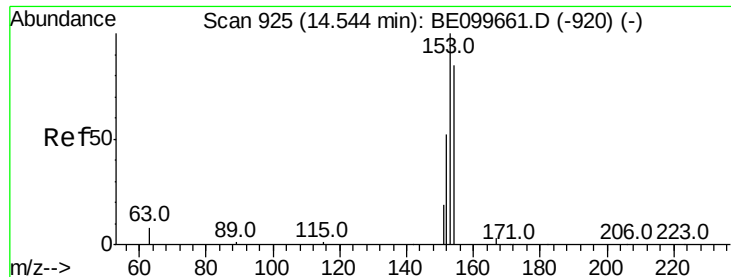


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.360 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

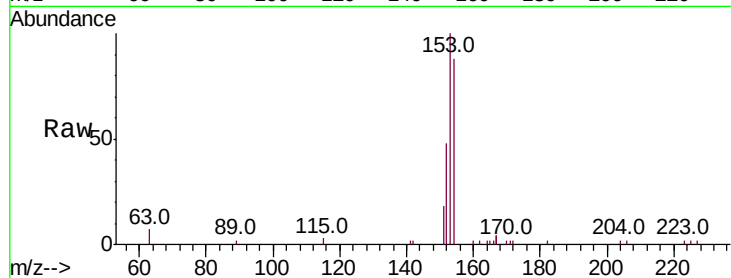
Tot Ion:154 Resp: 3898

Ion Ratio Lower Upper

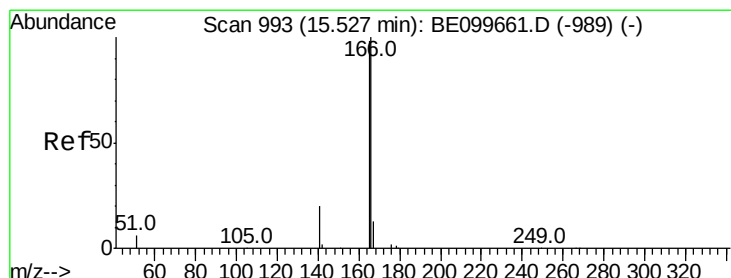
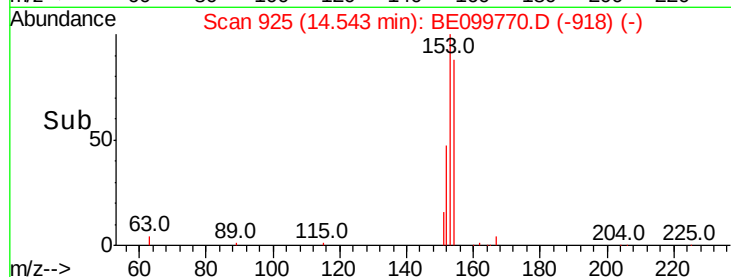
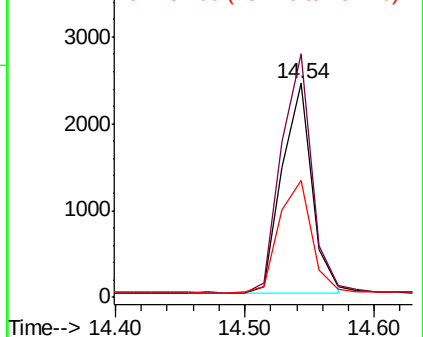
154 100

153 116.8 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: 0.372 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

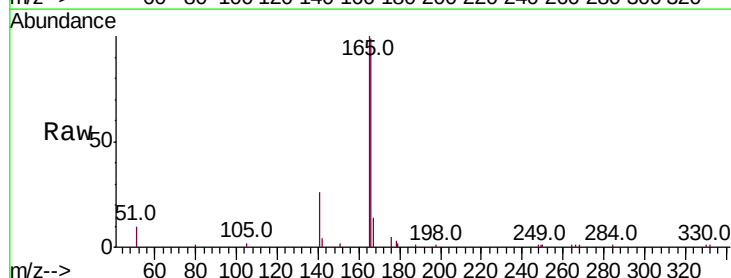
Tgt Ion:166 Resp: 5927

Ion Ratio Lower Upper

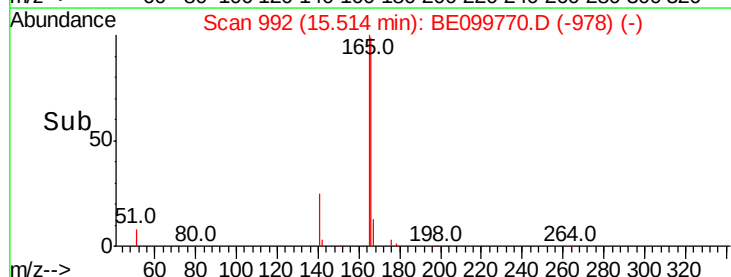
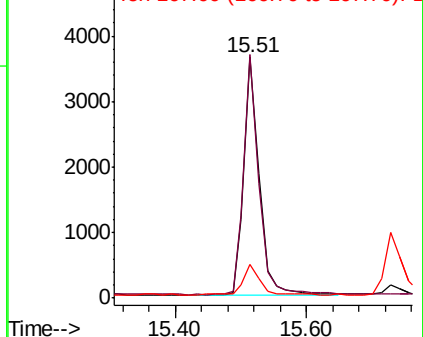
166 100

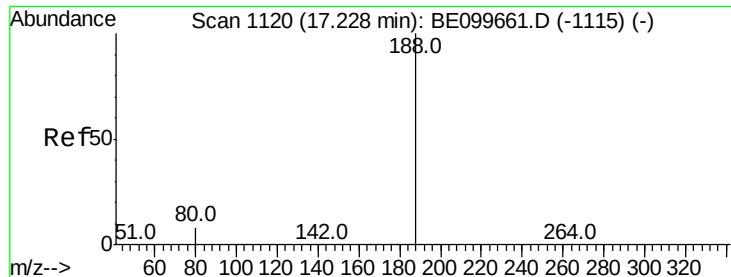
165 99.8 80.3 120.5

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

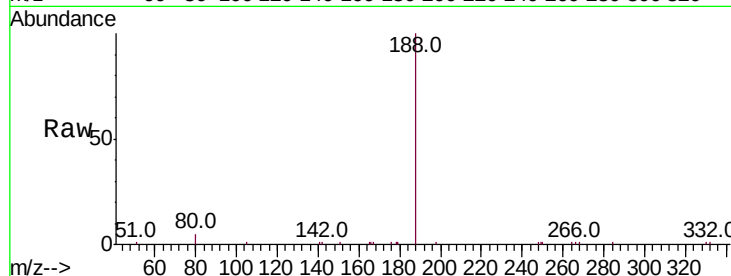




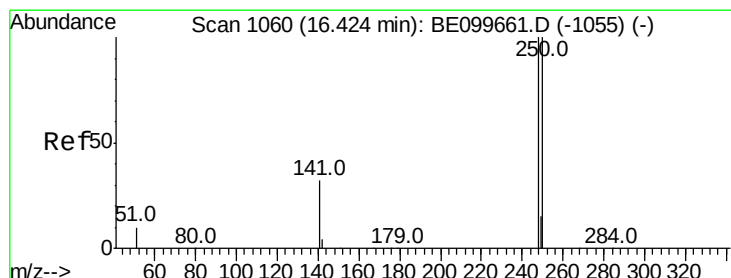
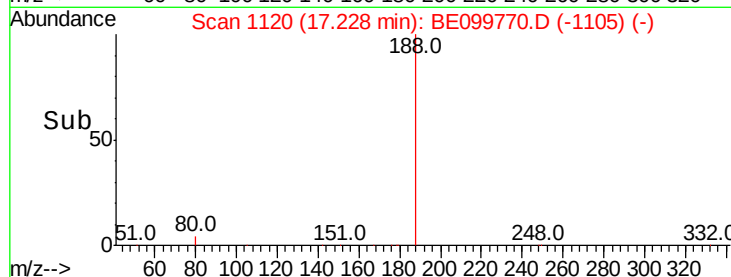
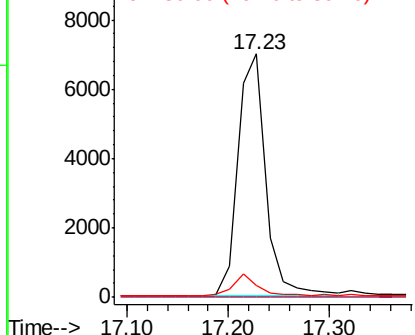
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099770.D
Acq: 28 May 2019 23:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 13334
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.1 6.7 10.1#

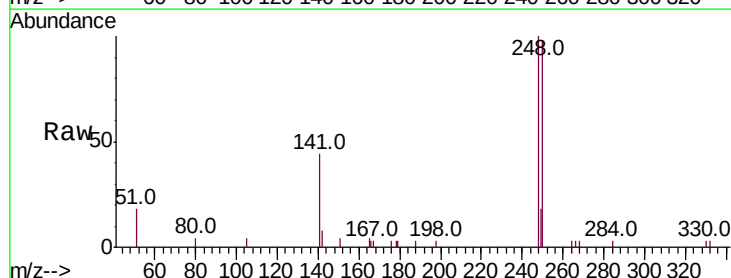


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

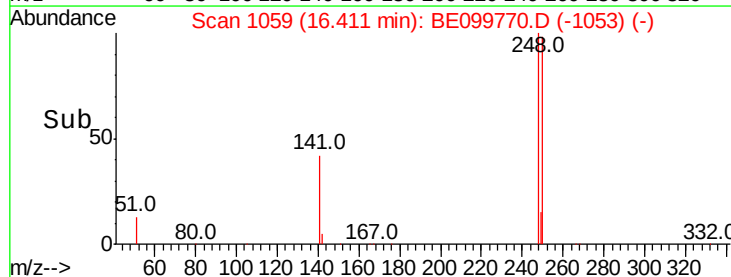
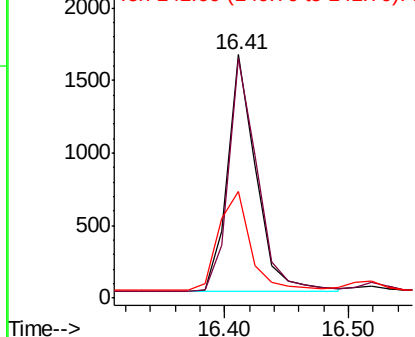


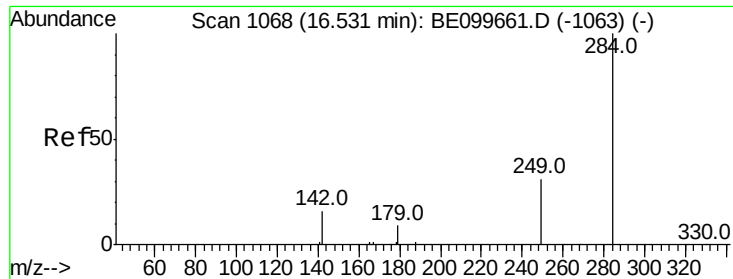
#20
4-Bromophenyl-phenylether
Concen: 0.341 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099770.D
Acq: 28 May 2019 23:09

Tgt Ion:248 Resp: 2623
Ion Ratio Lower Upper
248 100
250 98.4 79.8 119.8
141 43.8 27.0 40.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.337 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampled :

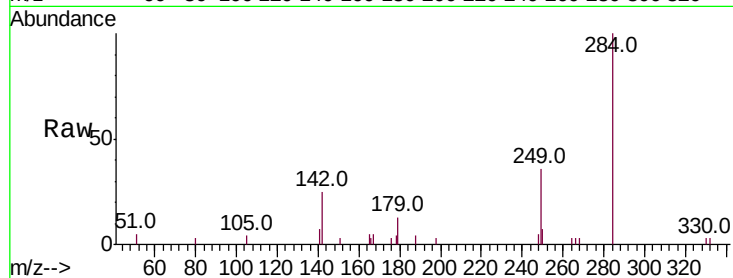
Tot Ion:284 Resp: 2648

Ion Ratio Lower Upper

284 100

142 24.2 17.8 26.6

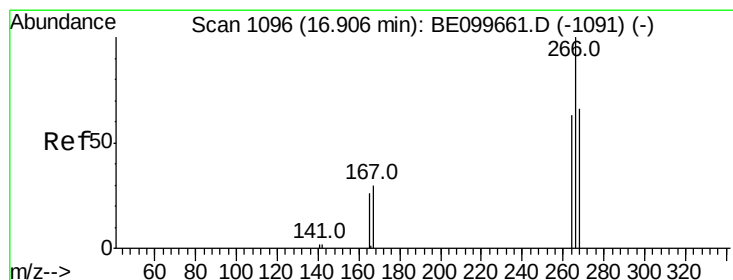
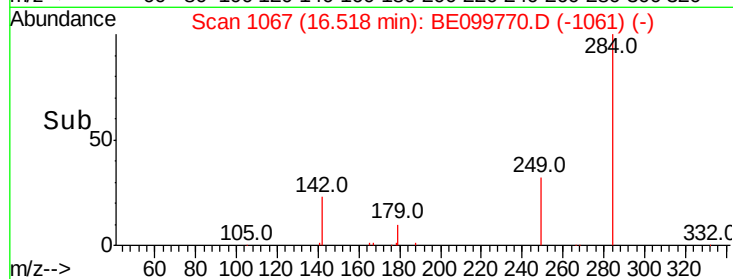
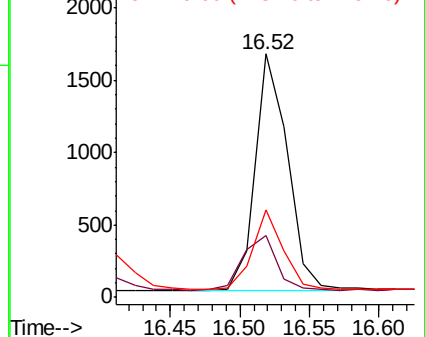
249 31.2 24.8 37.2



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: 0.484 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

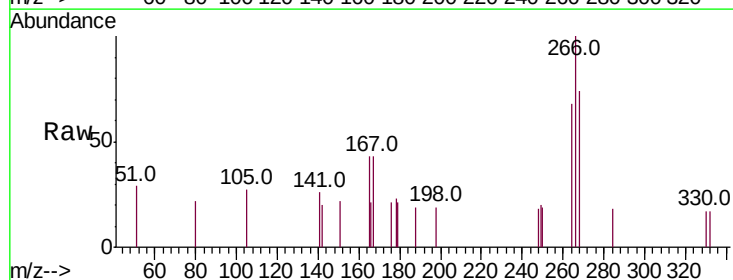
Tgt Ion:266 Resp: 743

Ion Ratio Lower Upper

266 100

264 67.6 57.2 85.8

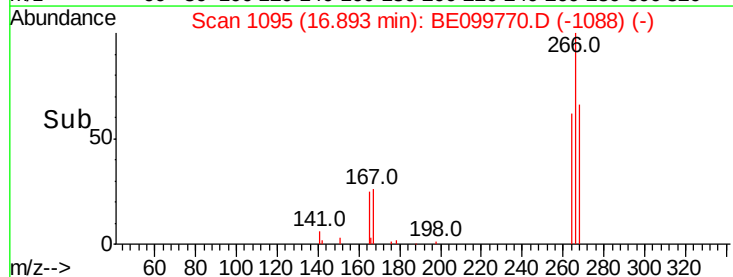
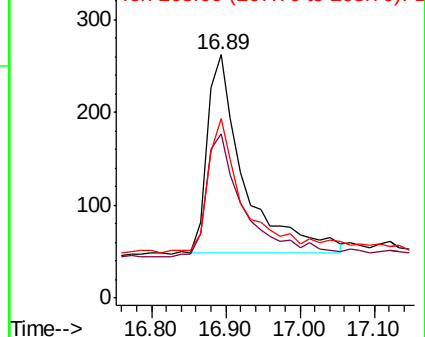
268 74.0 60.5 90.7

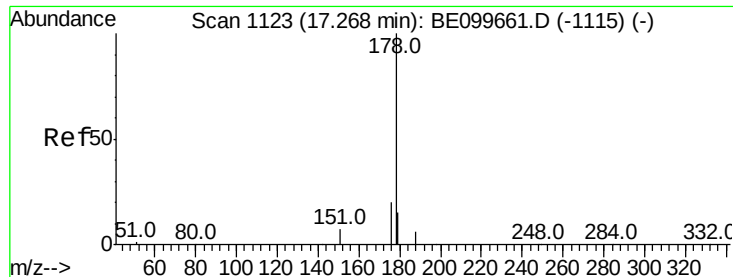


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.361 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

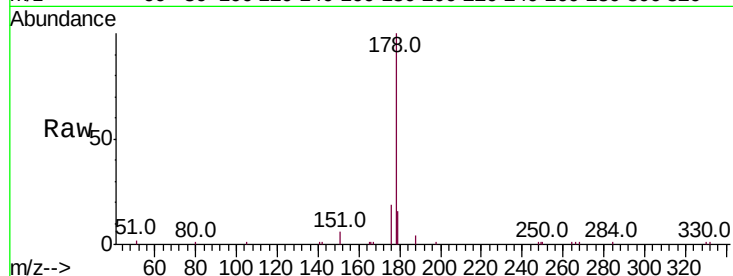
Tot Ion:178 Resp: 11760

Ion Ratio Lower Upper

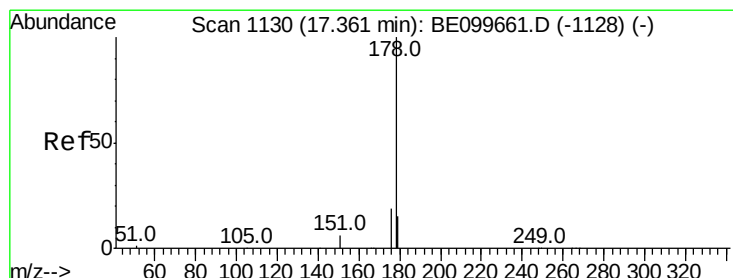
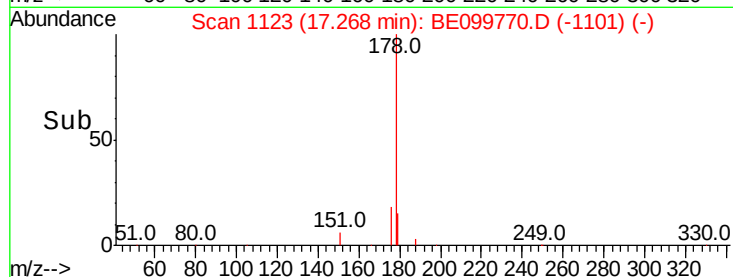
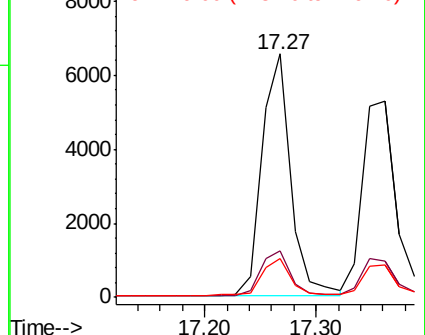
178 100

176 19.1 15.6 23.4

179 15.1 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: 0.361 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

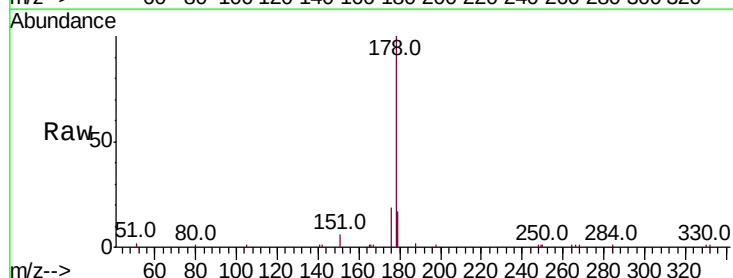
Tgt Ion:178 Resp: 10659

Ion Ratio Lower Upper

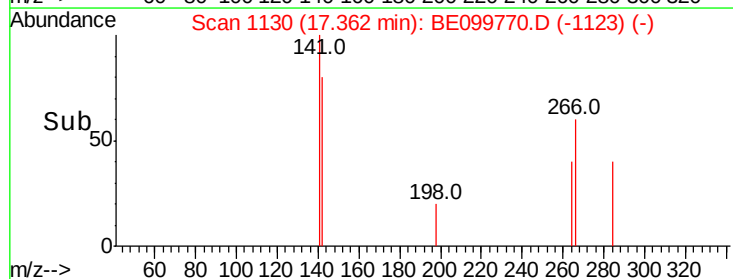
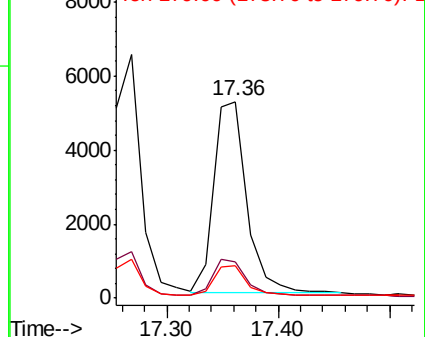
178 100

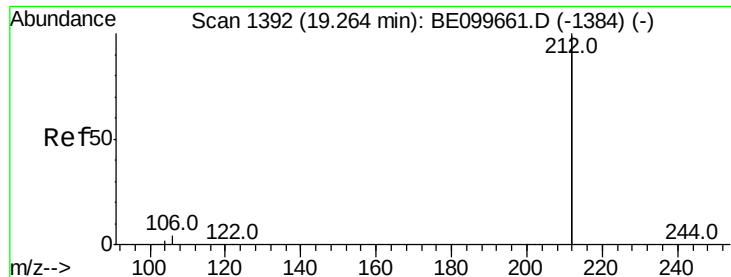
176 19.0 14.7 22.1

179 15.1 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: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampled :

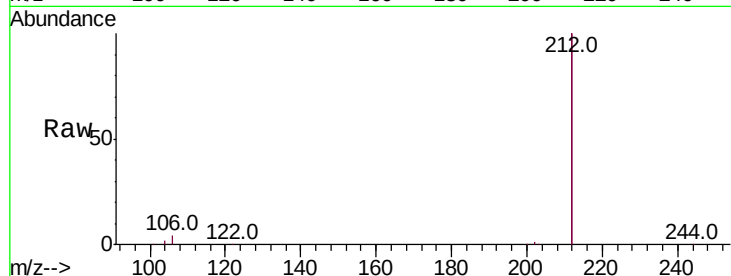
Tot Ion:212 Resp: 65291

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

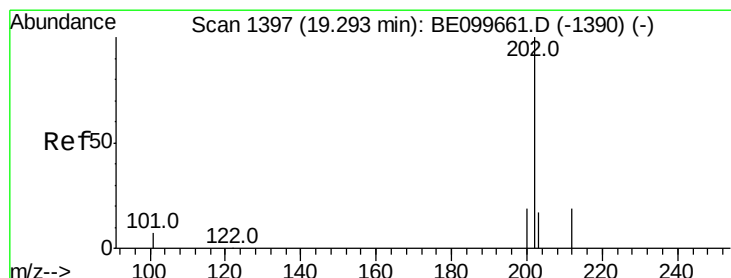
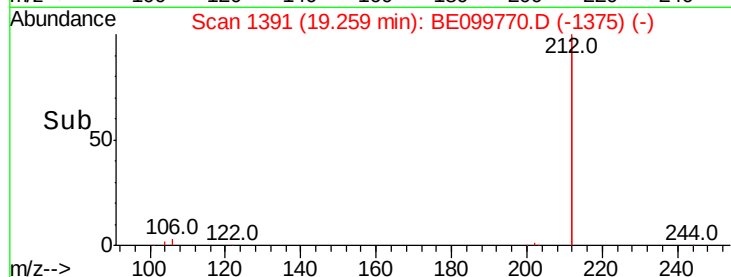
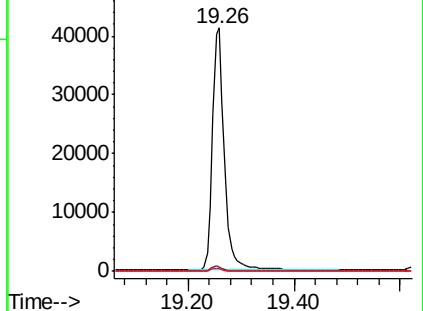
104 1.1 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.360 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

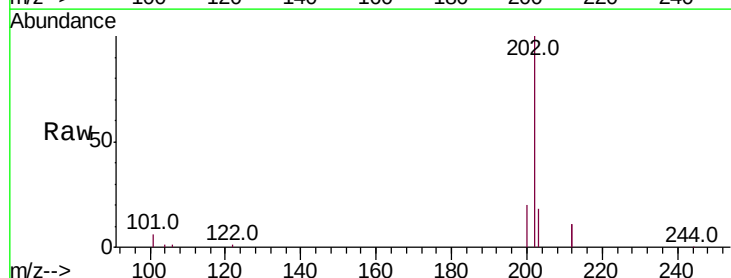
Tgt Ion:202 Resp: 18541

Ion Ratio Lower Upper

202 100

101 6.7 5.2 7.8

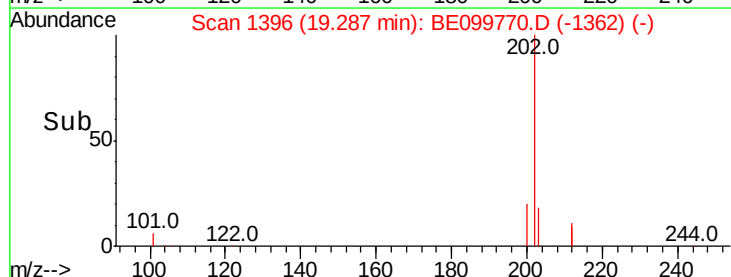
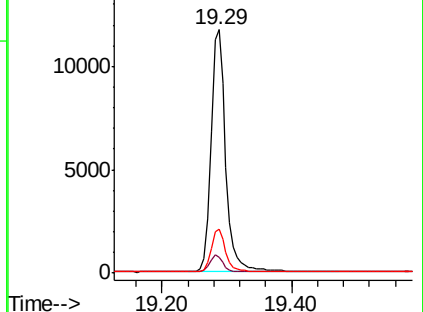
203 17.4 13.8 20.6

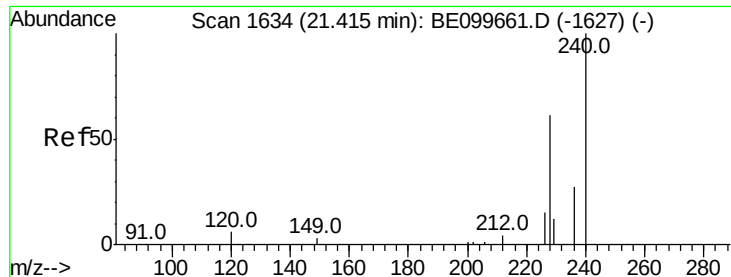


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

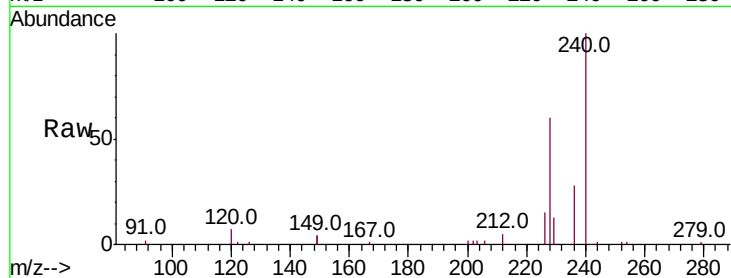




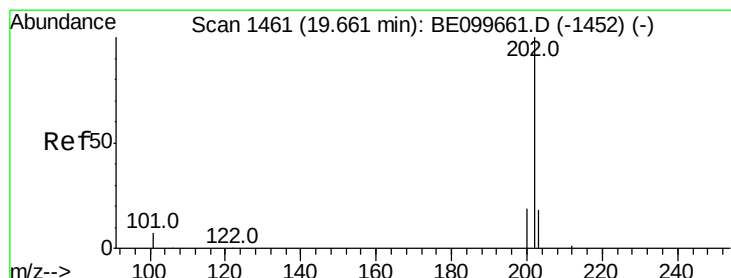
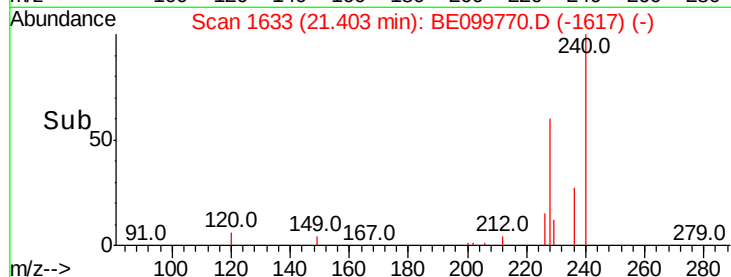
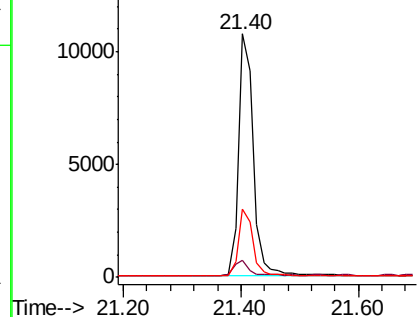
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BE099770.D
 Acq: 28 May 2019 23:09

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:240 Resp: 18926
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.4 8.0
 236 27.9 21.7 32.5

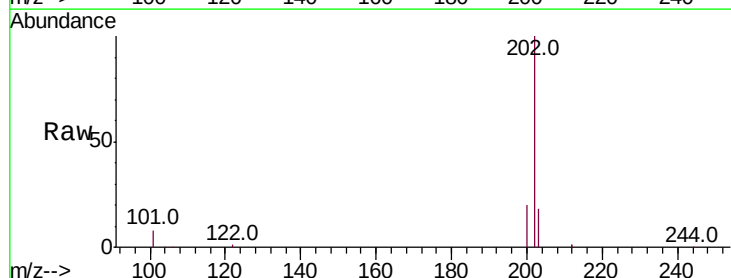


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

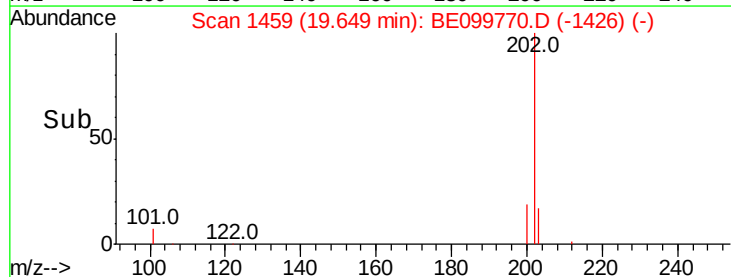
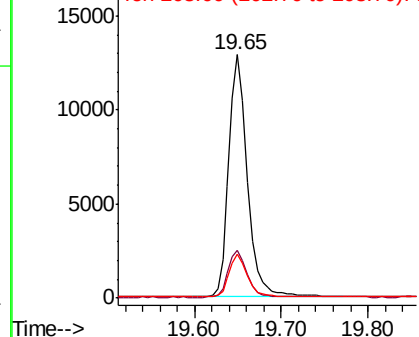


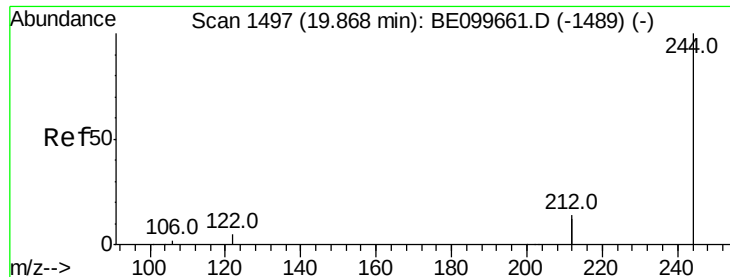
#28
 Pyrene
 Concen: 0.404 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BE099770.D
 Acq: 28 May 2019 23:09

Tgt Ion:202 Resp: 19230
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.4 23.2
 203 17.3 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: 0.391 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

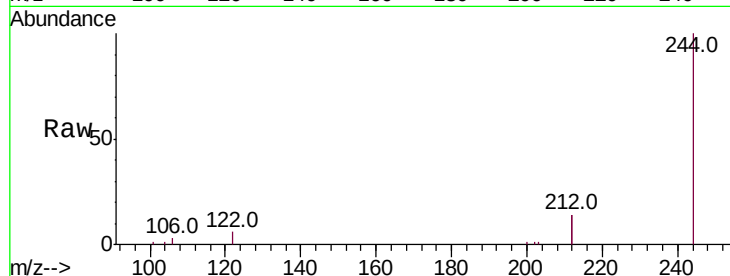
Tot Ion:244 Resp: 13220

Ion Ratio Lower Upper

244 100

212 28.2 22.5 33.7

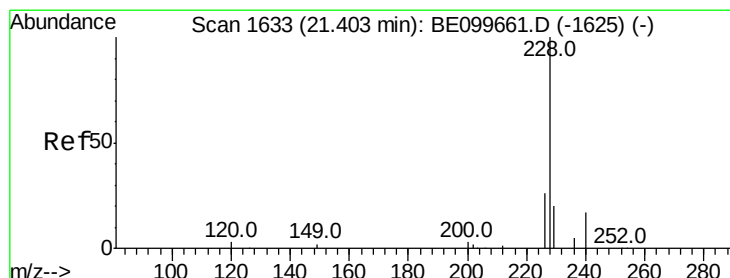
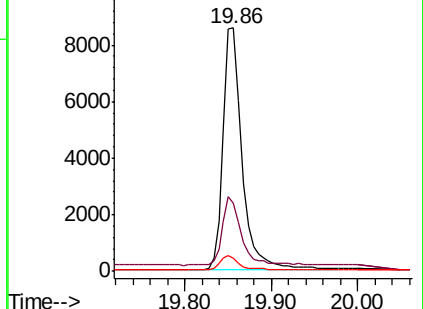
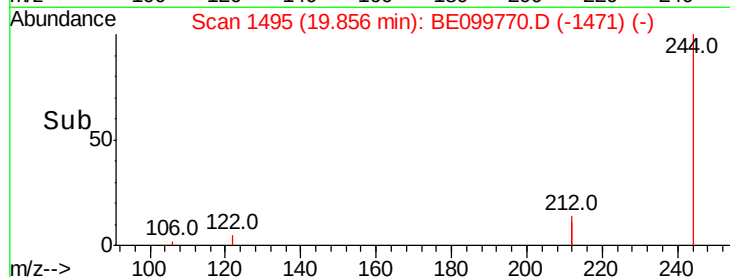
122 5.7 4.3 6.5



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: 0.403 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

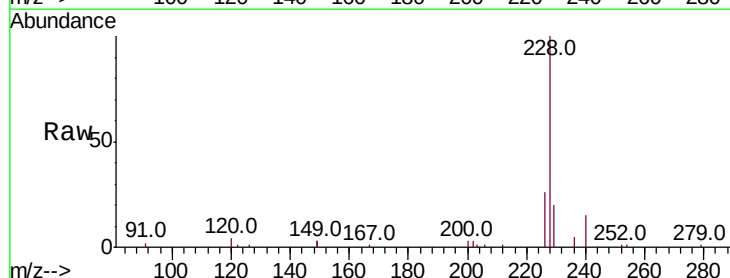
Tgt Ion:228 Resp: 21672

Ion Ratio Lower Upper

228 100

226 26.5 21.3 31.9

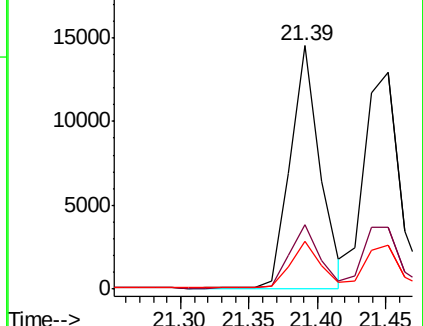
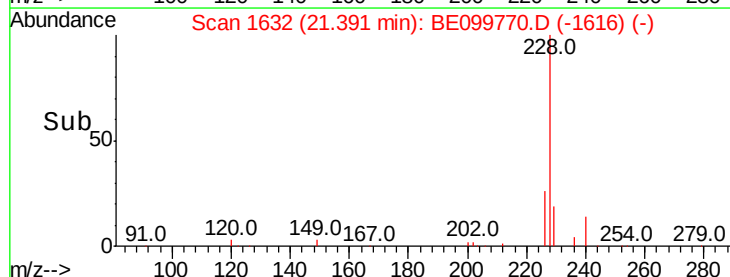
229 19.5 16.1 24.1

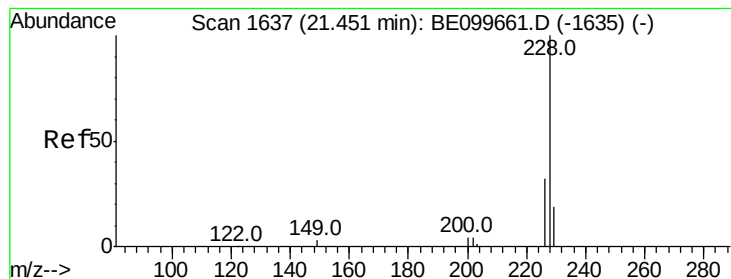


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.393 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

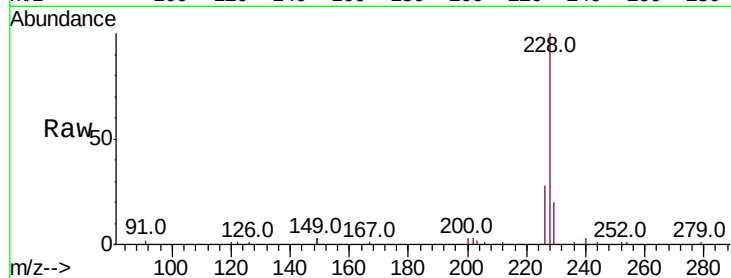
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 22589

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.7	37.1
229	20.3	15.8	23.6



Abundance

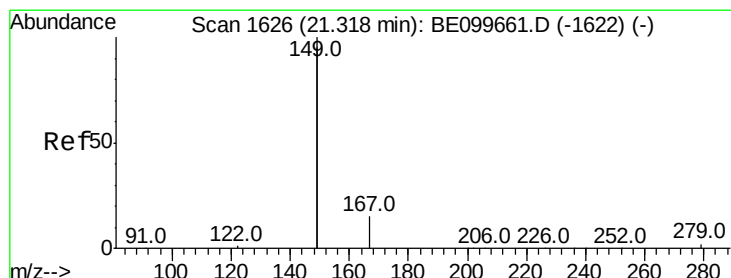
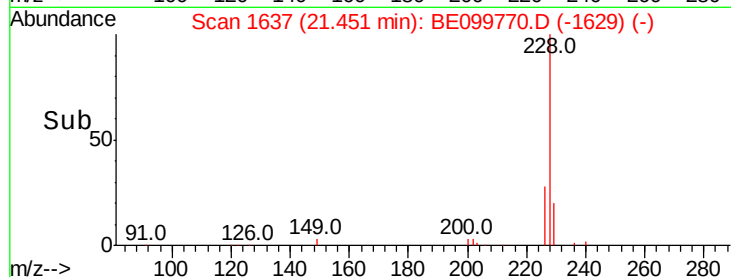
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.45

Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.522 ng

RT: 21.31 min Scan# 1625

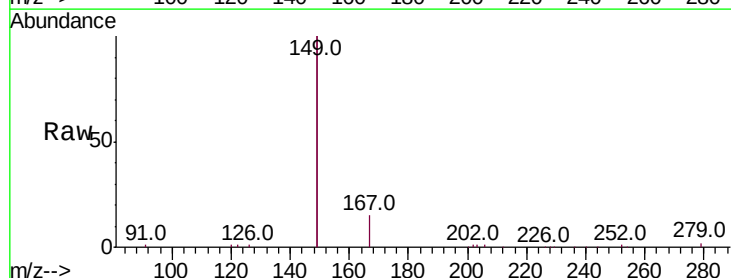
Delta R.T. -0.01 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Tgt Ion:149 Resp: 32349

Ion	Ratio	Lower	Upper
149	100		
167	7.7	6.2	9.4
279	1.5	1.2	1.8



Abundance

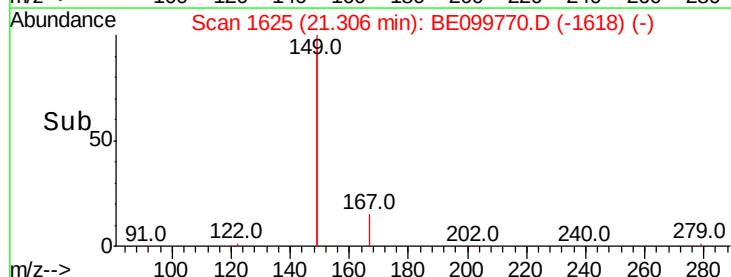
Ion 149.00 (148.70 to 149.70): E

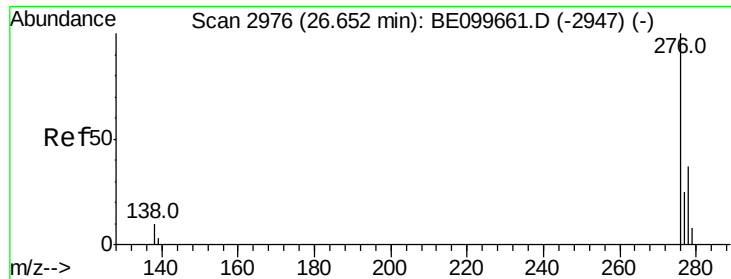
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.31

Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.381 ng

RT: 26.63 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

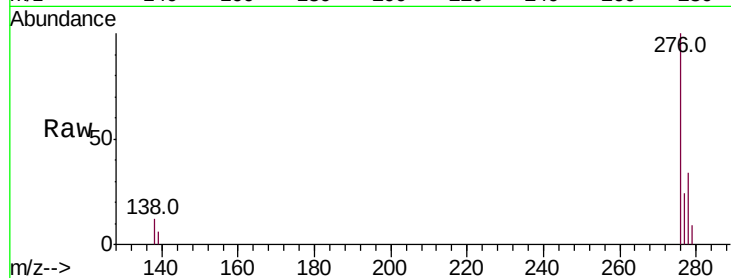
Tot Ion:276 Resp: 26429

Ion Ratio Lower Upper

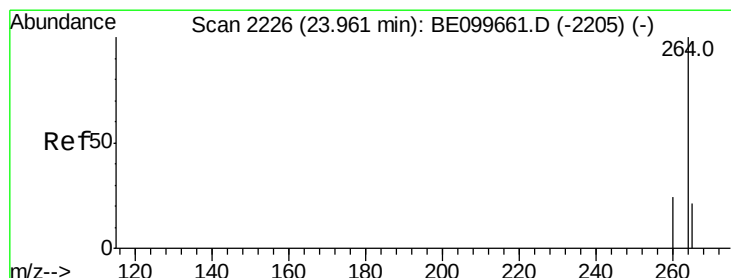
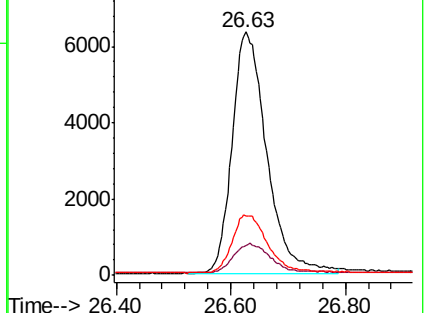
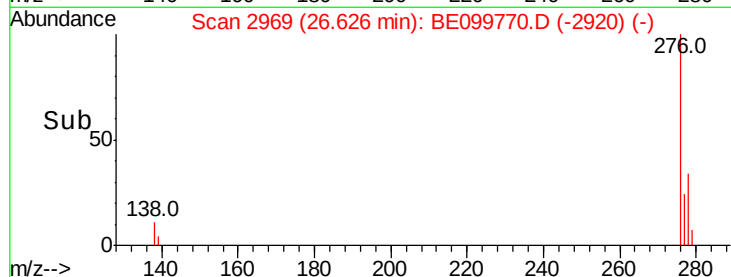
276 100

138 12.8 9.6 14.4

277 24.7 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: BE099770.D

Acq: 28 May 2019 23:09

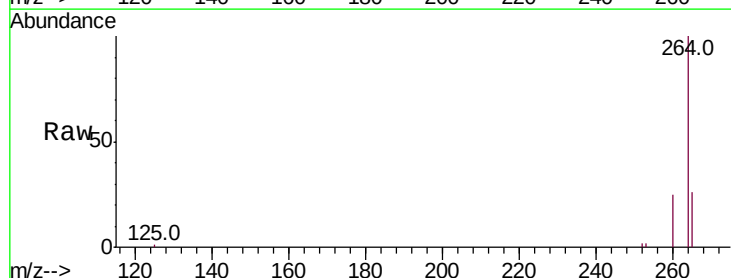
Tgt Ion:264 Resp: 22107

Ion Ratio Lower Upper

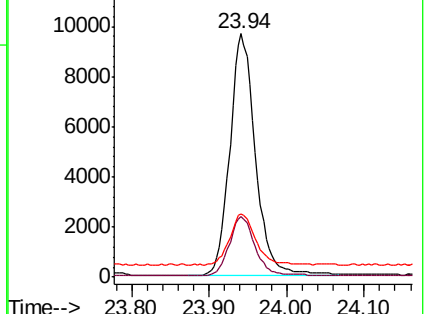
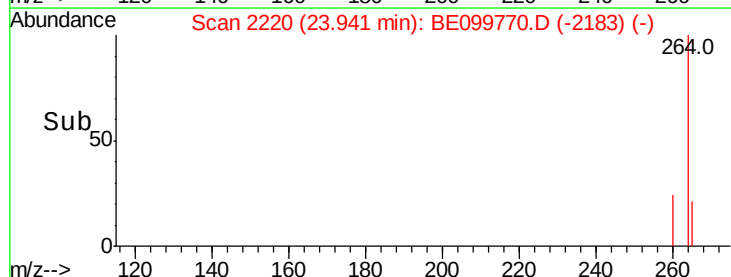
264 100

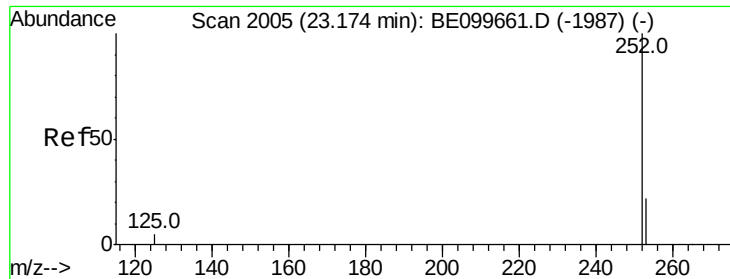
260 24.9 19.6 29.4

265 26.0 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: 0.361 ng

RT: 23.21 min Scan# 2015

Delta R.T. 0.04 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

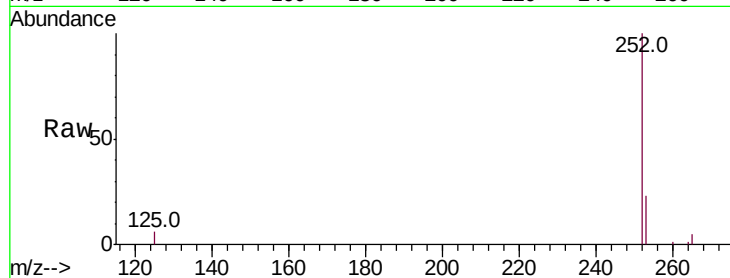
Tot Ion:252 Resp: 21895

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.4

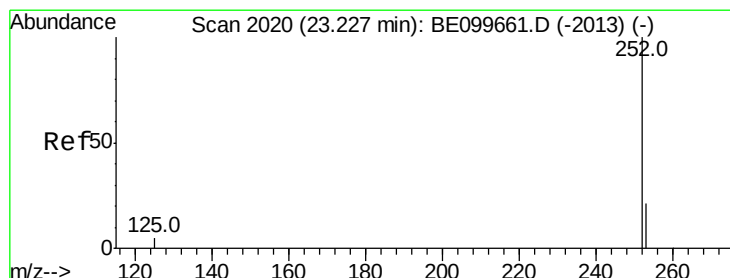
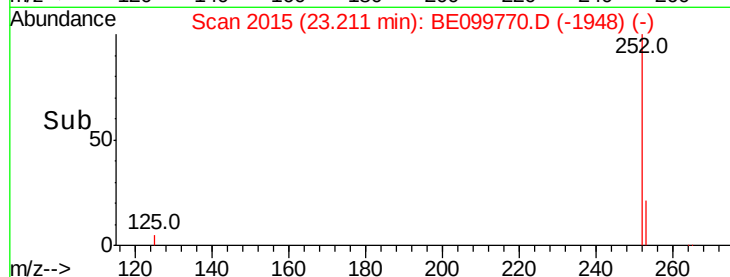
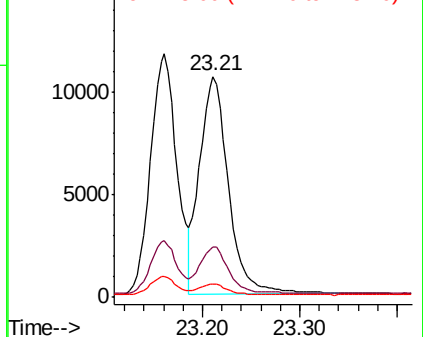
125 5.8 4.5 6.7



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: 0.347 ng

RT: 23.21 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

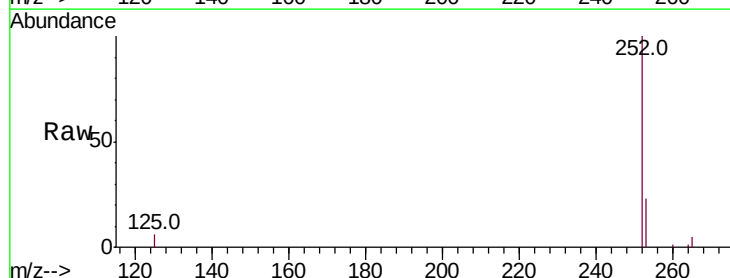
Tgt Ion:252 Resp: 21895

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

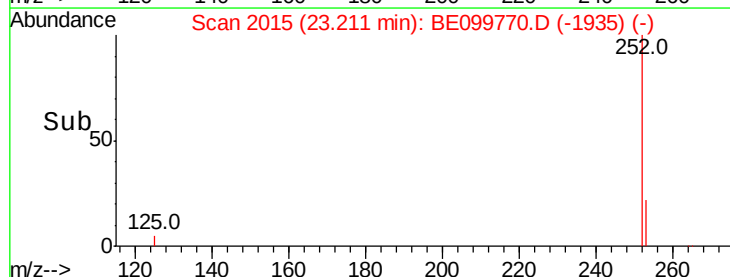
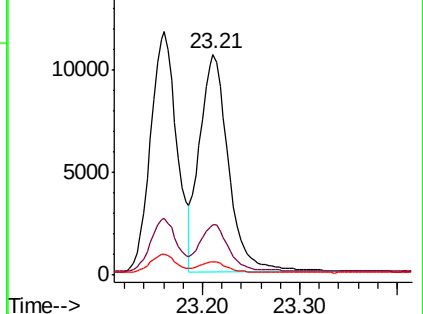
125 5.8 4.6 6.8

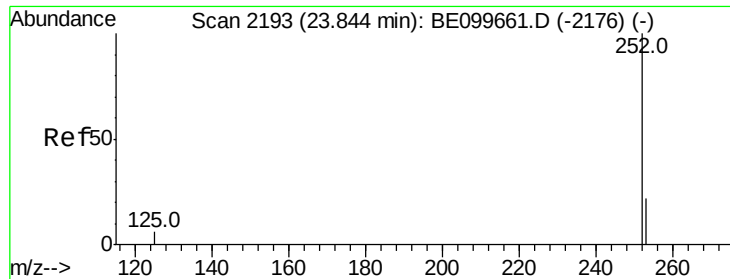


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.83 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

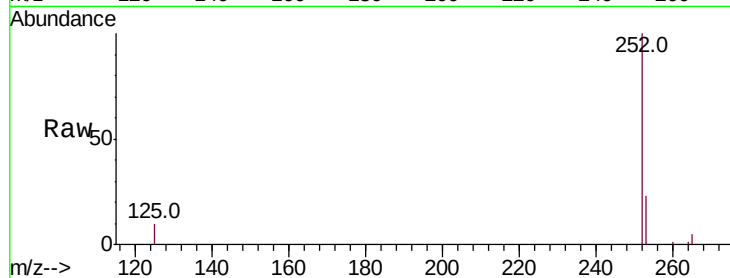
Tot Ion:252 Resp: 21271

Ion Ratio Lower Upper

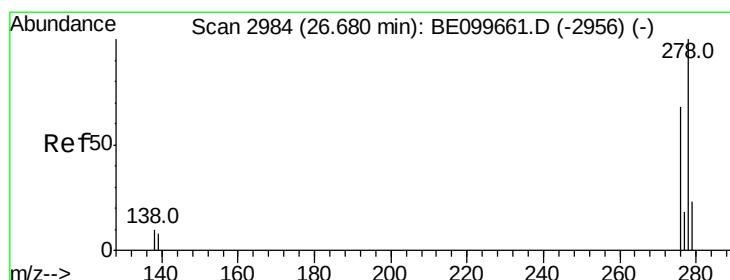
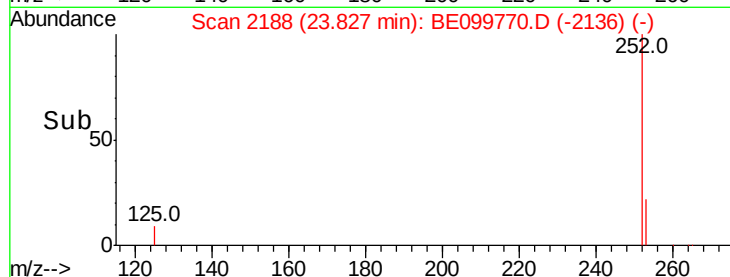
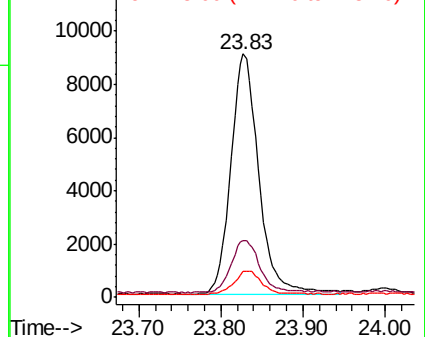
252 100

253 23.4 18.9 28.3

125 10.5 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: 0.349 ng

RT: 26.65 min Scan# 2977

Delta R.T. -0.03 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

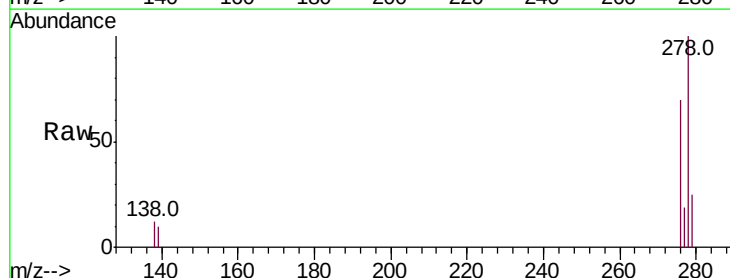
Tgt Ion:278 Resp: 21377

Ion Ratio Lower Upper

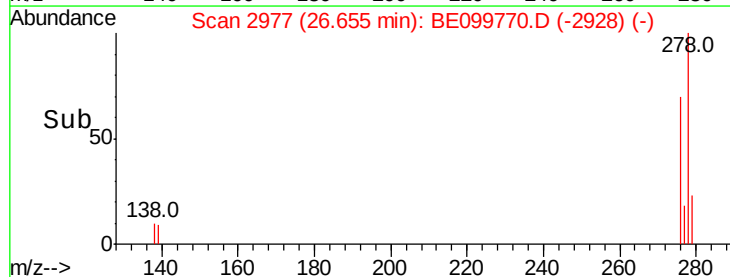
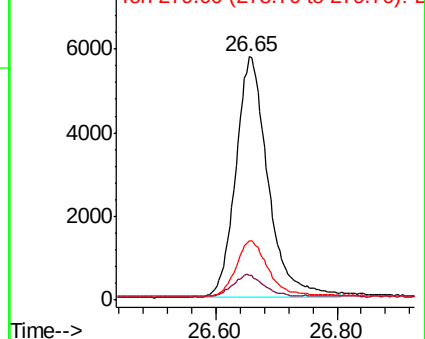
278 100

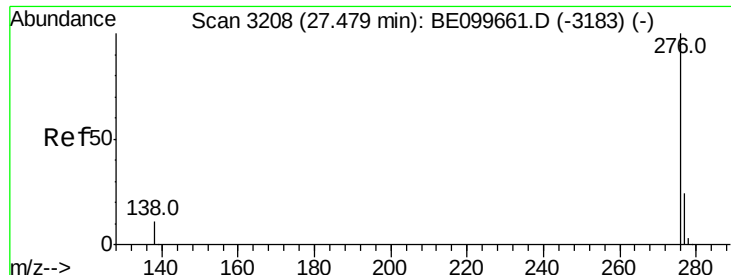
139 10.2 6.9 10.3

279 24.5 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: 0.355 ng

RT: 27.46 min Scan# 3202

Delta R.T. -0.02 min

Lab File: BE099770.D

Acq: 28 May 2019 23:09

Instrument :

BNA_E

ClientSampleId :

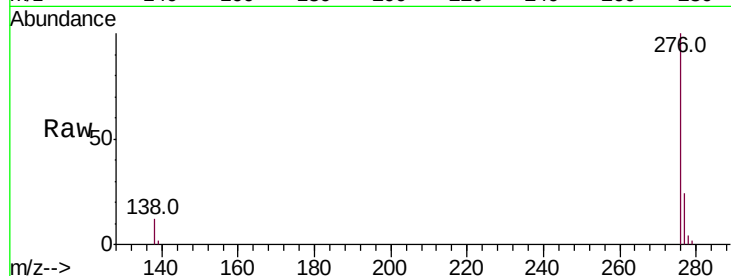
Tot Ion:276 Resp: 21967

Ion Ratio Lower Upper

276 100

277 24.5 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

