

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
 Data File : BE099748.D
 Acq On : 24 May 2019 18:33
 Operator : JU/SJ
 Sample : PB120039BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 24 21:34:35 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	1174	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	3851	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	2596	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	7342	0.40	ng	0.00
27) Chrysene-d12	21.40	240	12088	0.40	ng	-0.01
34) Perylene-d12	23.94	264	15440	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1218	0.41	ng	0.00
5) Phenol-d6	6.96	99	1459	0.37	ng	-0.01
8) Nitrobenzene-d5	8.97	82	1303	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	3376	0.51	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	550	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3759	0.38	ng	0.00
25) Fluoranthene-d10	19.25	212	35675	0.36	ng	-0.01
29) Terphenyl-d14	19.86	244	7978	0.37	ng	-0.01

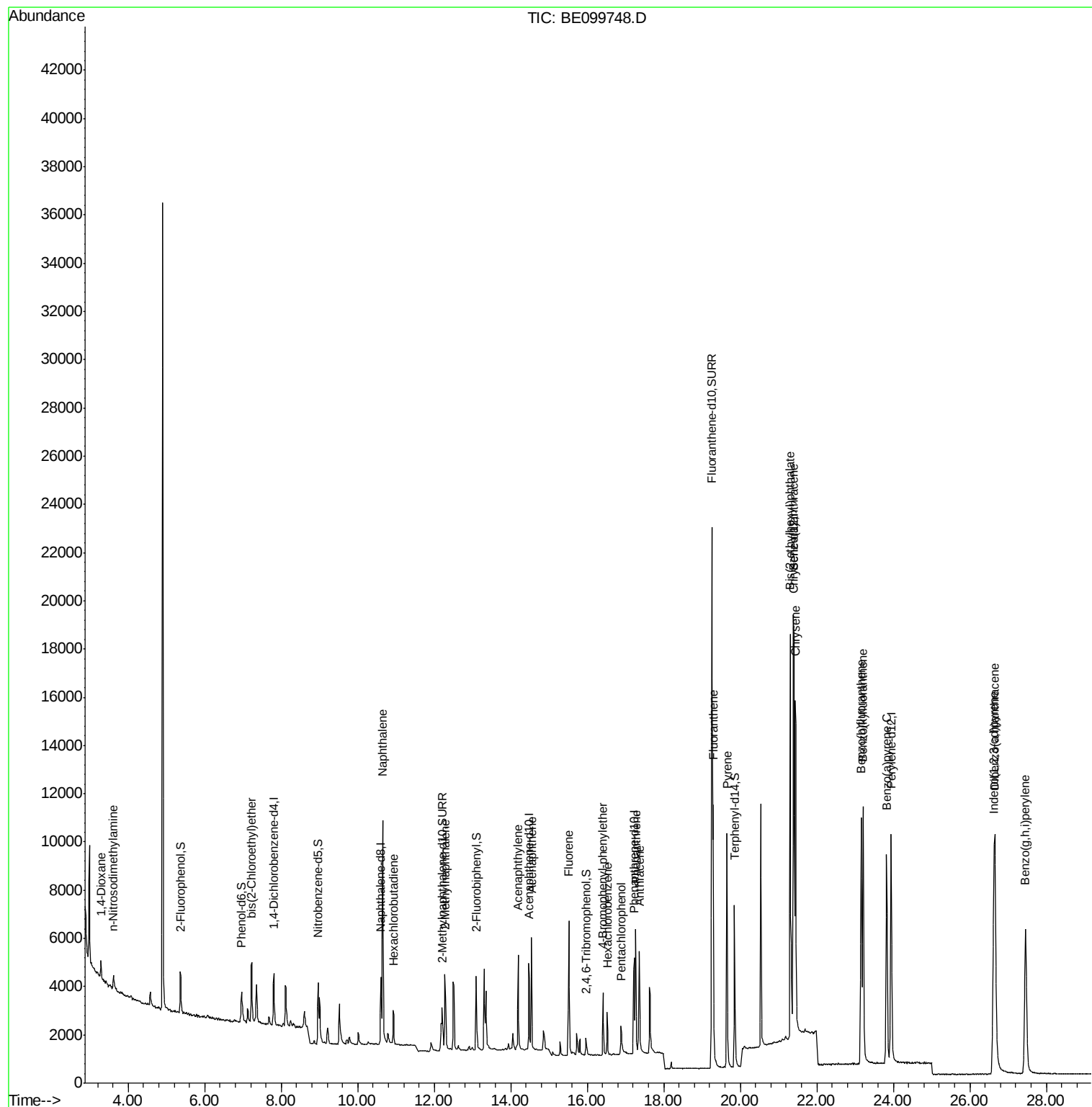
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	513	0.295	ng	# 62
3) n-Nitrosodimethylamine	3.61	42	407	0.424	ng	# 82
6) bis(2-Chloroethyl)ether	7.23	93	1240	0.355	ng	94
9) Naphthalene	10.65	128	15750	0.382	ng	99
10) Hexachlorobutadiene	10.93	225	1140	0.376	ng	98
12) 2-Methylnaphthalene	12.28	142	2638	0.393	ng	98
16) Acenaphthylene	14.20	152	4581	0.379	ng	99
17) Acenaphthene	14.54	154	2492	0.367	ng	96
18) Fluorene	15.51	166	3662	0.366	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1578	0.373	ng	# 88
21) Hexachlorobenzene	16.52	284	1606	0.371	ng	98
22) Pentachlorophenol	16.88	266	1187	1.002	ng	96
23) Phenanthrene	17.27	178	6488	0.362	ng	99
24) Anthracene	17.36	178	5996	0.369	ng	99
26) Fluoranthene	19.29	202	10173	0.359	ng	99
28) Pyrene	19.65	202	10757	0.354	ng	99
30) Benzo(a)anthracene	21.39	228	14846	0.432	ng	99
31) Chrysene	21.44	228	15455	0.421	ng	100
32) Bis(2-ethylhexyl)phthalate	21.31	149	17652	0.446	ng	99
33) Indeno(1,2,3-cd)pyrene	26.62	276	19821	0.447	ng	99
35) Benzo(b)fluoranthene	23.16	252	15662	0.370	ng	98
36) Benzo(k)fluoranthene	23.21	252	16969	0.385	ng	97
37) Benzo(a)pyrene	23.82	252	16186	0.398	ng	99
38) Dibenzo(a,h)anthracene	26.66	278	16000	0.374	ng	97
39) Benzo(g,h,i)perylene	27.45	276	17176	0.398	ng	99

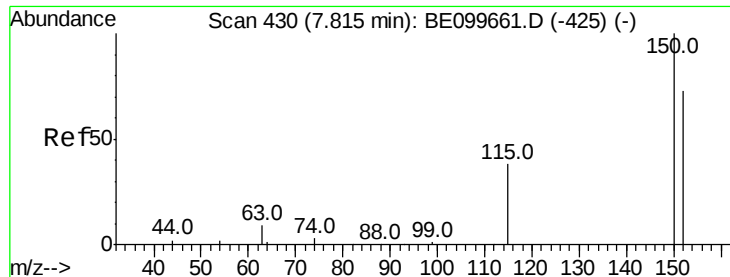
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

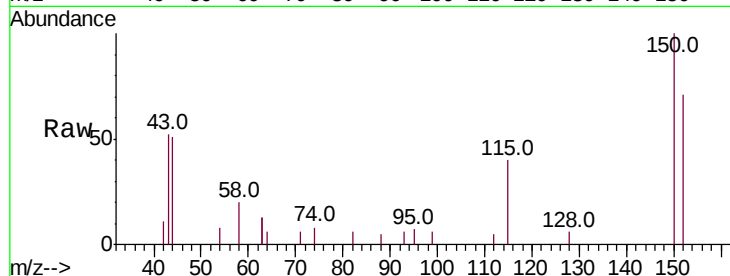
Tot Ion:152 Resp: 1174

Ion Ratio Lower Upper

152 100

150 141.7 109.2 163.8

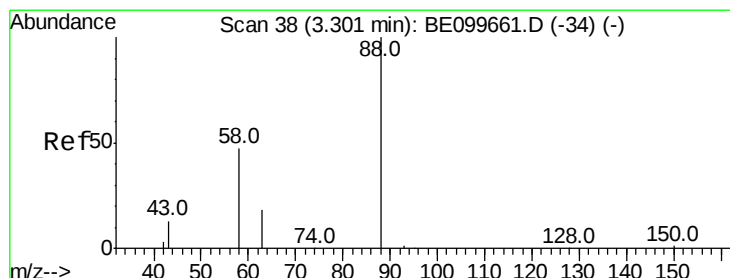
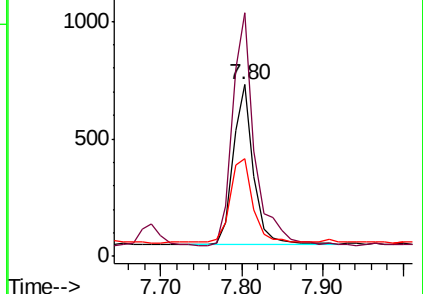
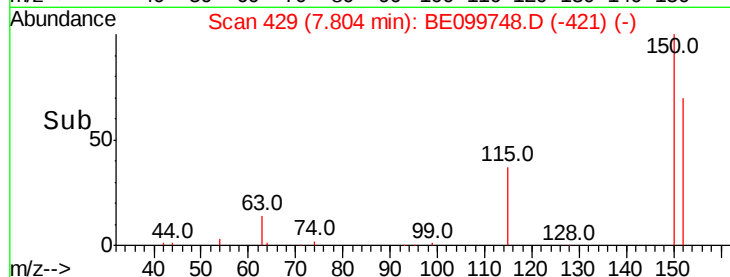
115 57.2 43.7 65.5



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: 0.295 ng

RT: 3.29 min Scan# 37

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

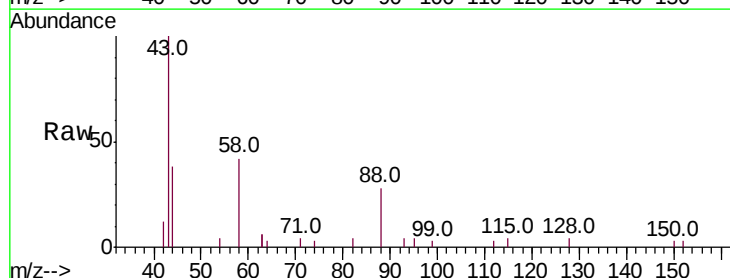
Tgt Ion: 88 Resp: 513

Ion Ratio Lower Upper

88 100

58 59.5 41.8 62.8

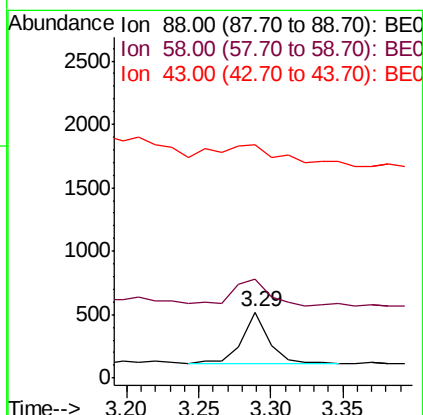
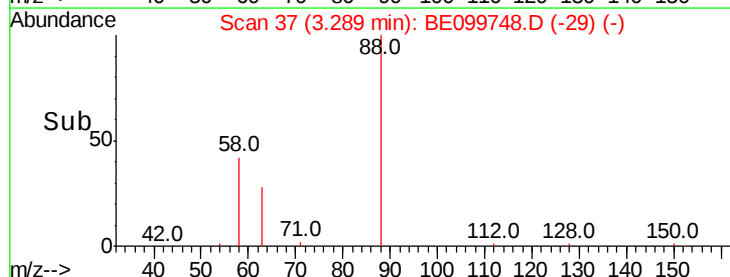
43 70.2 15.0 22.4#

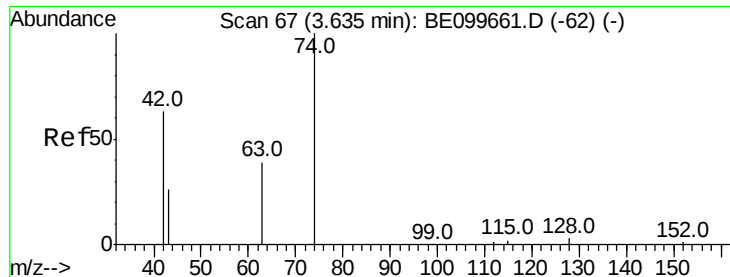


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.424 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.02 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampled :

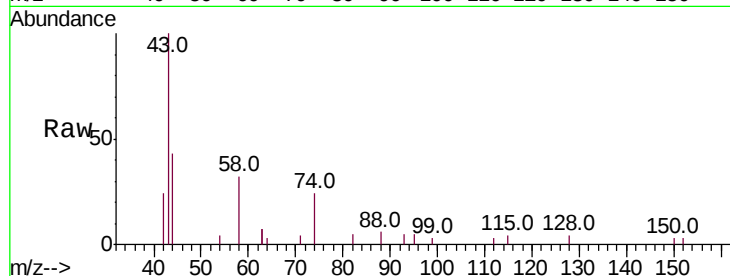
Tot Ion: 42 Resp: 407

Ion Ratio Lower Upper

42 100

74 186.0 129.2 193.8

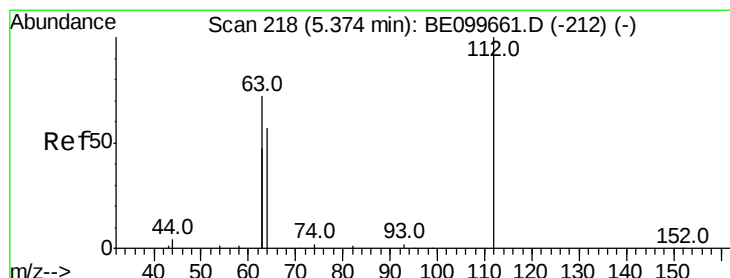
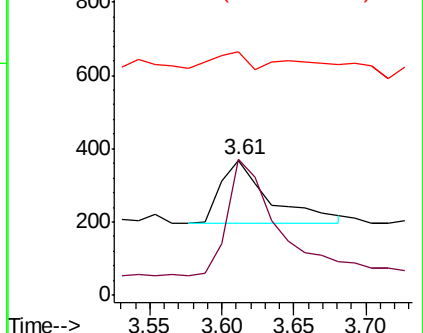
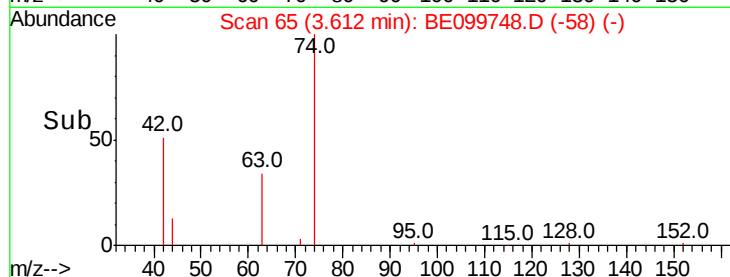
44 17.9 0.0 0.0#



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: 0.411 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

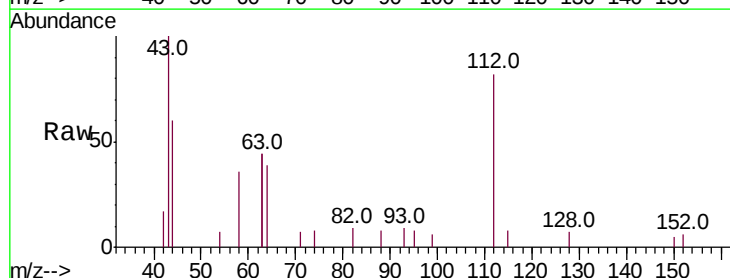
Tgt Ion: 112 Resp: 1218

Ion Ratio Lower Upper

112 100

64 53.9 43.4 65.2

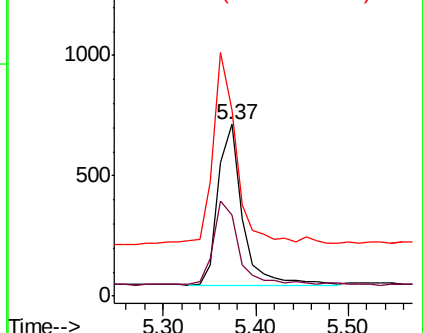
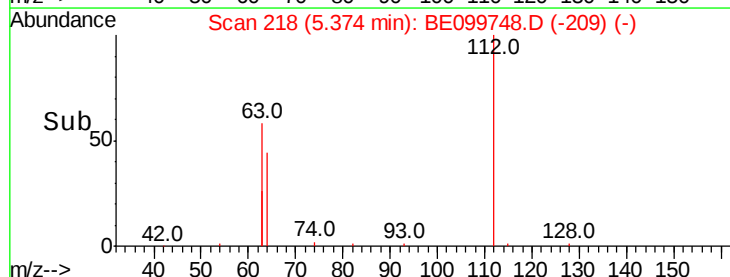
63 111.7 96.9 145.3

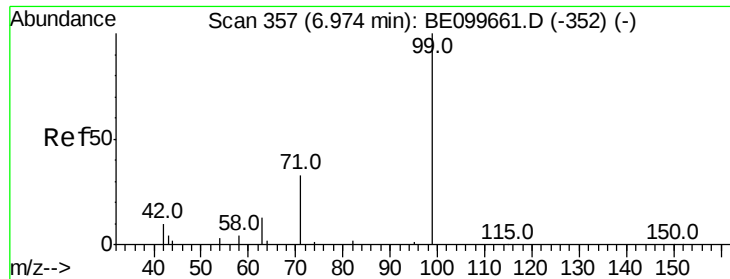


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.372 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampled :

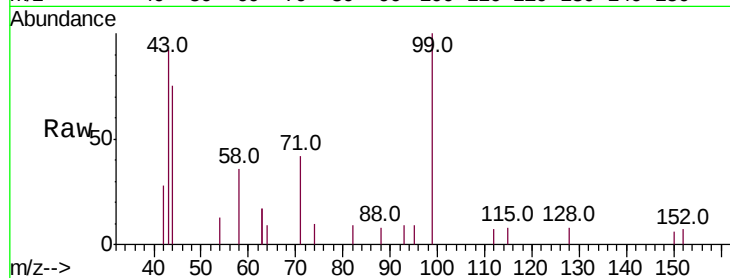
Tot Ion: 99 Resp: 1459

Ion Ratio Lower Upper

99 100

42 17.2 12.2 18.2

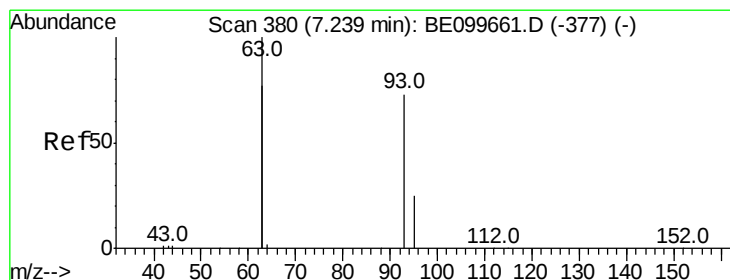
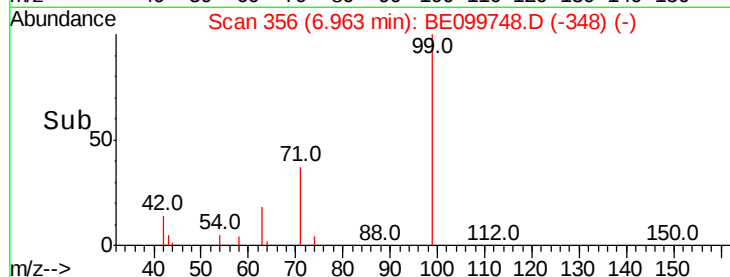
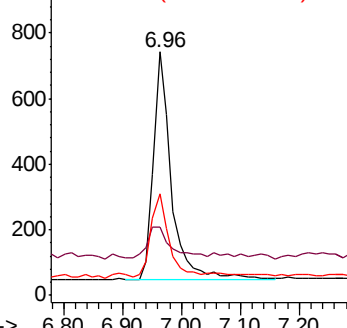
71 35.7 28.9 43.3



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: 0.355 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

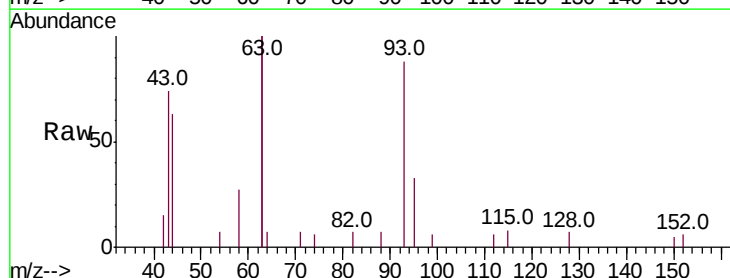
Tgt Ion: 93 Resp: 1240

Ion Ratio Lower Upper

93 100

63 270.2 207.8 311.6

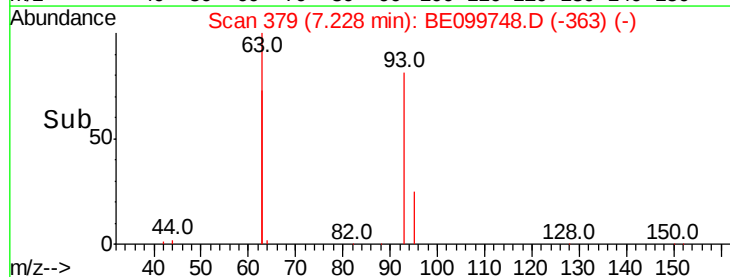
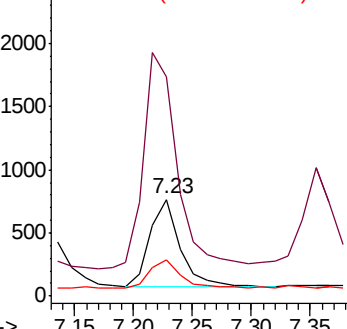
95 34.2 25.9 38.9

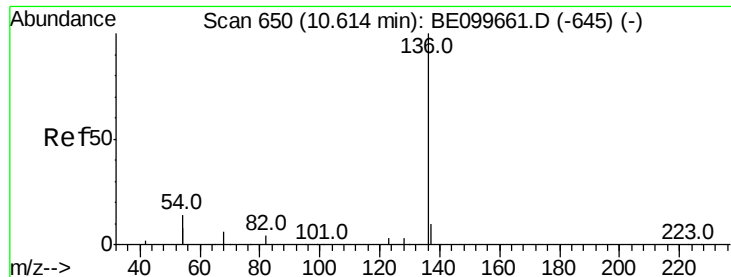


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3851

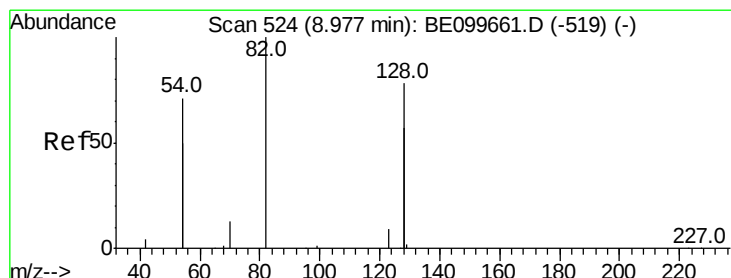
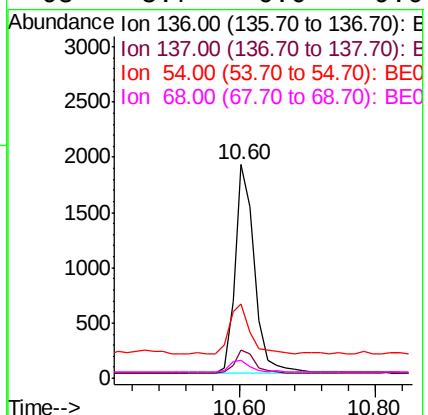
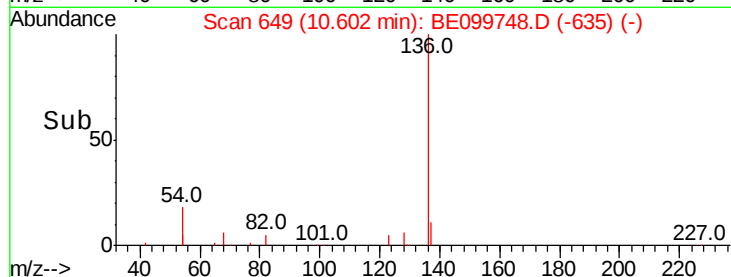
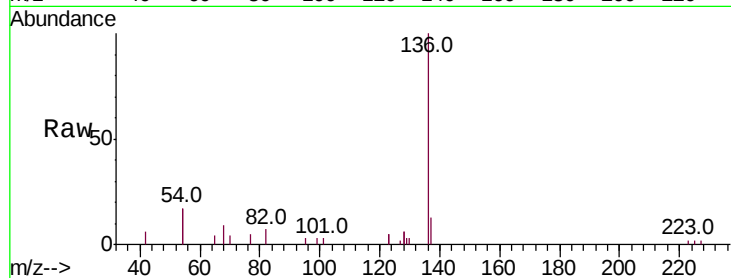
Ion Ratio Lower Upper

136 100

137 13.5 9.0 13.6

54 34.5 22.3 33.5#

68 8.7 6.0 9.0



#8

Nitrobenzene-d5

Concen: 0.391 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

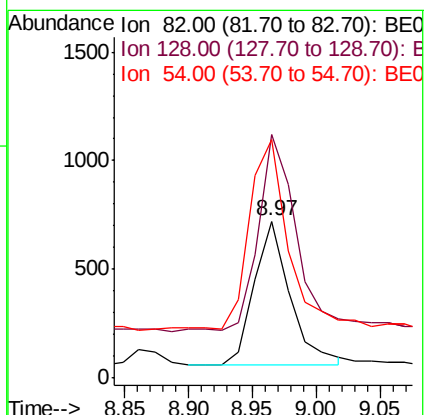
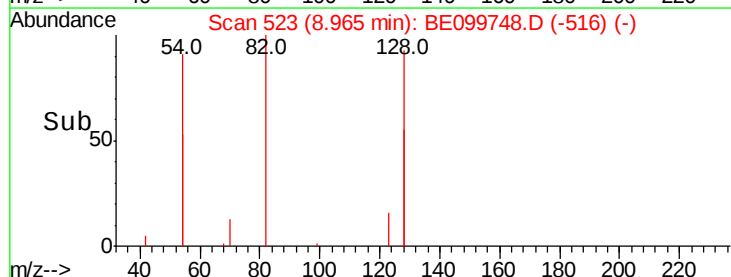
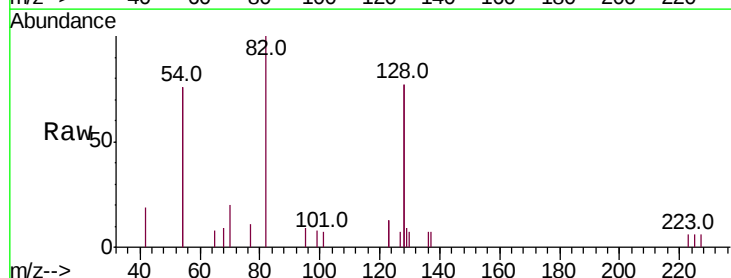
Tgt Ion: 82 Resp: 1303

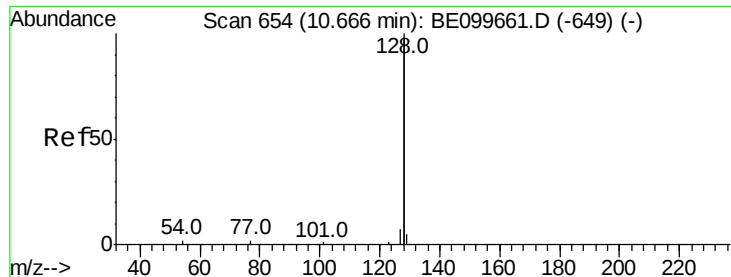
Ion Ratio Lower Upper

82 100

128 154.9 117.7 176.5

54 151.9 106.6 160.0





#9

Naphthalene

Concen: 0.382 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

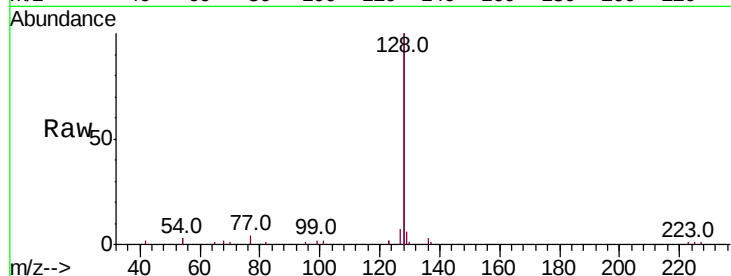
Tot Ion:128 Resp: 15750

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

127 3.4 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

12000

10000

8000

6000

4000

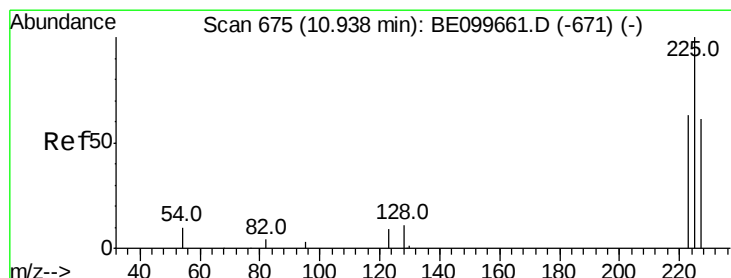
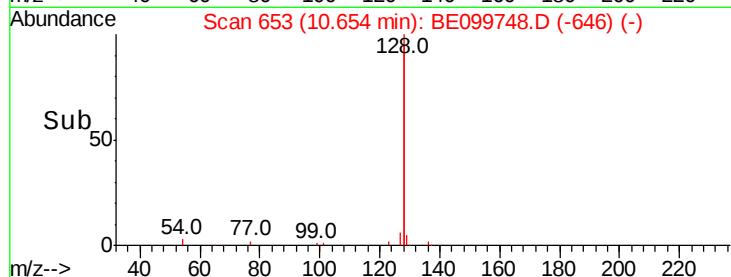
2000

0

10.65

10.60 10.70 10.80

Time-->



#10

Hexachlorobutadiene

Concen: 0.376 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

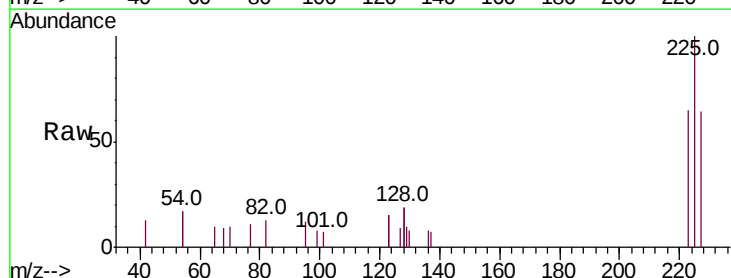
Tgt Ion:225 Resp: 1140

Ion Ratio Lower Upper

225 100

223 62.8 51.8 77.6

227 65.0 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

800

600

400

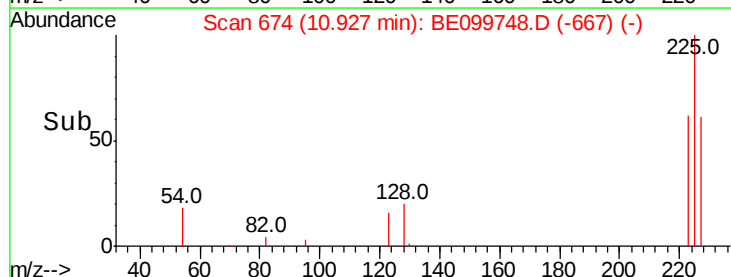
200

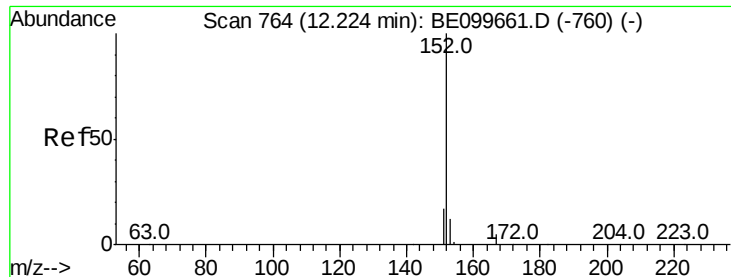
0

10.93

10.80 10.90 11.00

Time-->

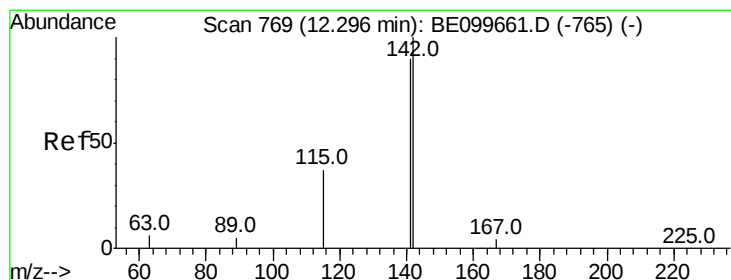
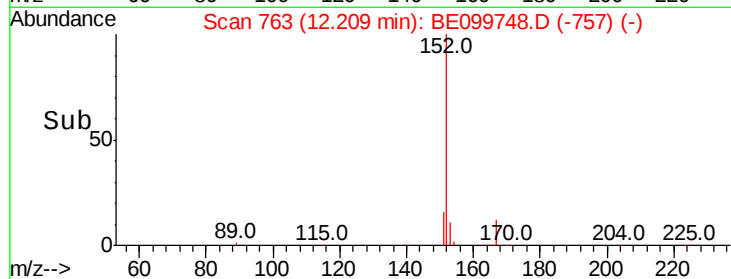
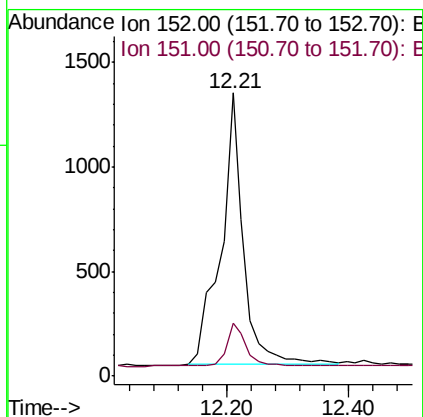
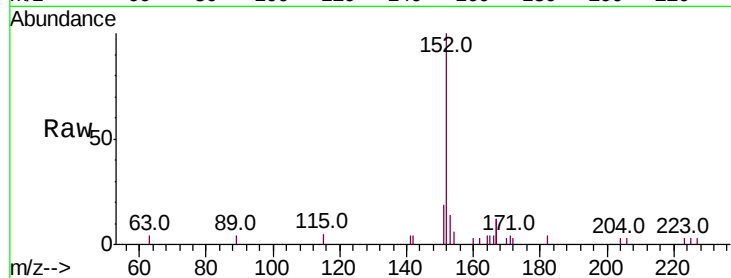




#11
2-Methylnaphthalene-d10
Concen: 0.508 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

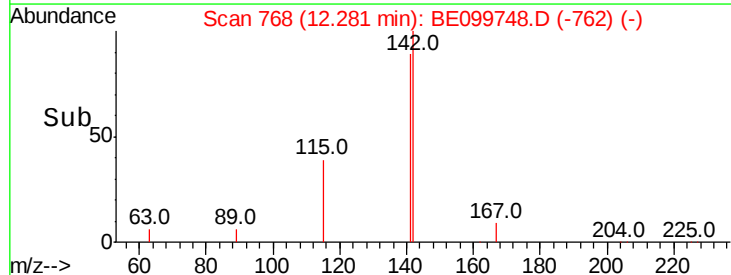
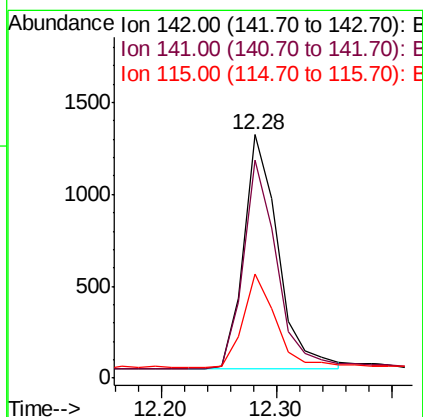
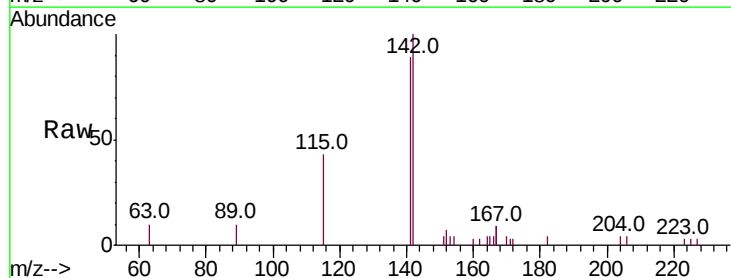
Instrument :
BNA_E
ClientSampleId :

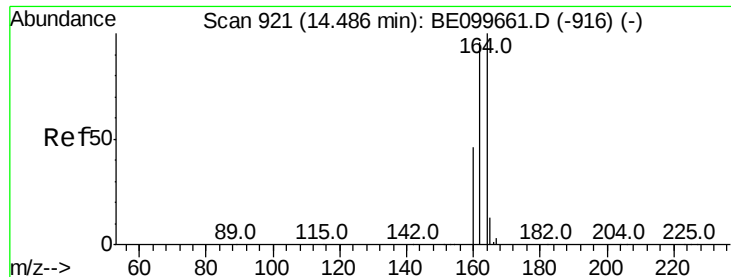
Tot Ion:152 Resp: 3376
Ion Ratio Lower Upper
152 100
151 13.5 15.0 22.4#



#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion:142 Resp: 2638
Ion Ratio Lower Upper
142 100
141 89.4 72.0 108.0
115 42.5 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: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

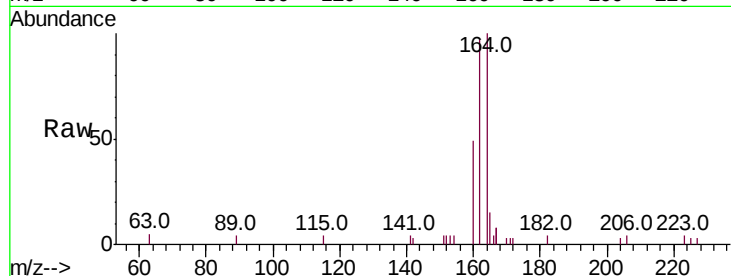
Tot Ion:164 Resp: 2596

Ion Ratio Lower Upper

164 100

162 96.6 76.5 114.7

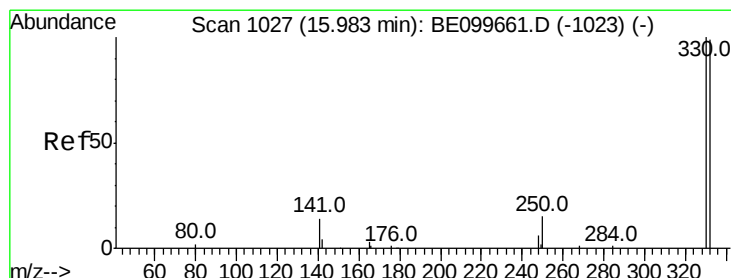
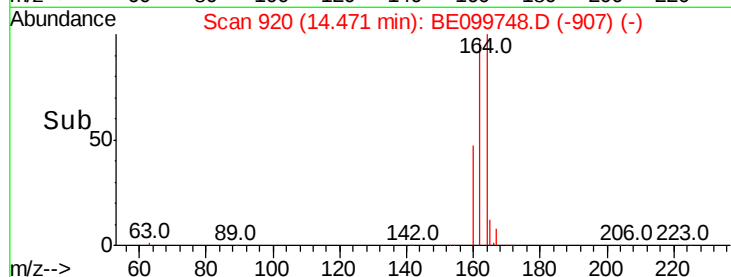
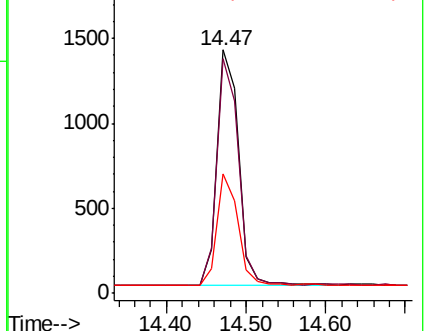
160 49.0 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.409 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

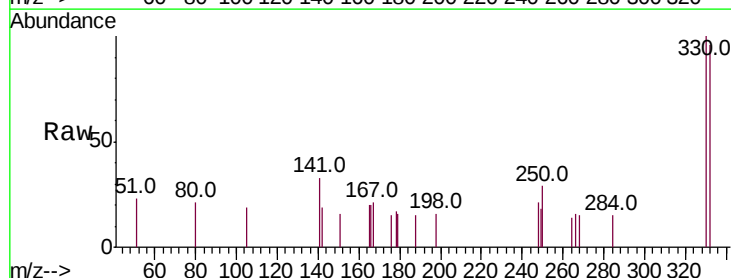
Tgt Ion:330 Resp: 550

Ion Ratio Lower Upper

330 100

332 94.5 77.3 115.9

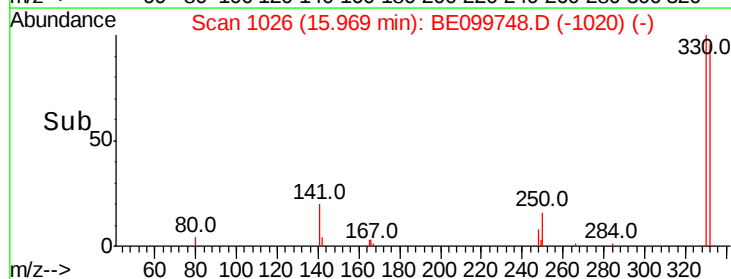
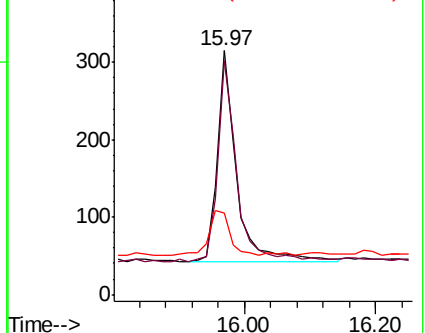
141 24.2 18.9 28.3

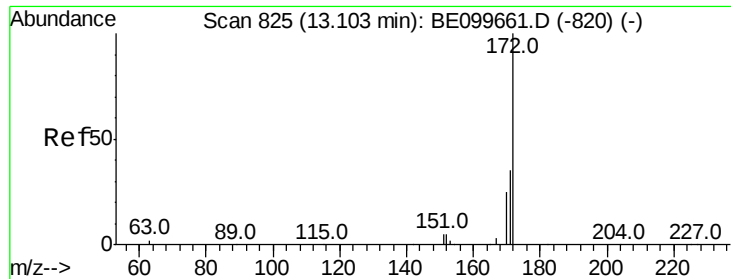


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

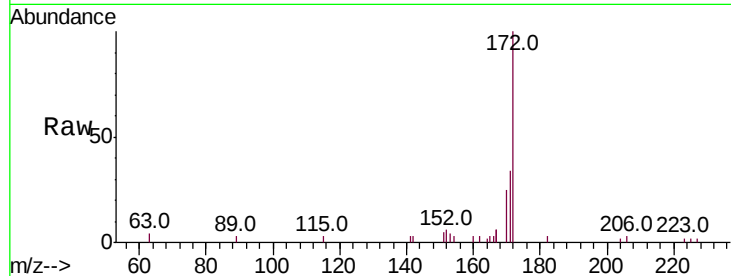




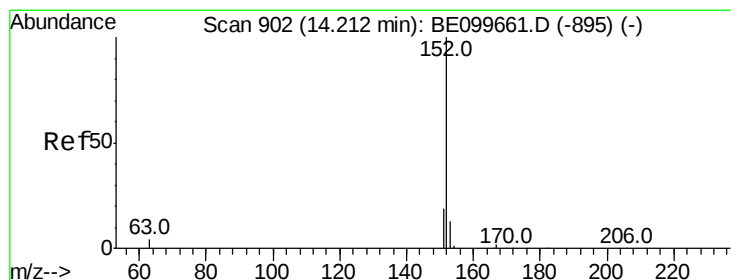
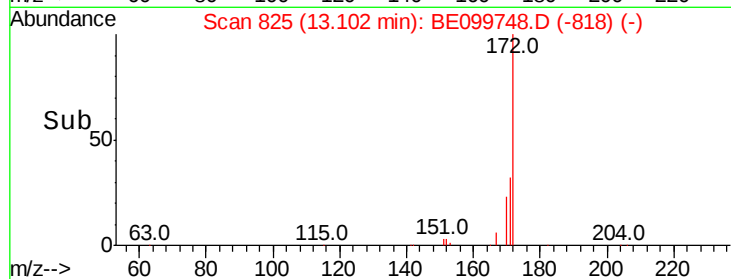
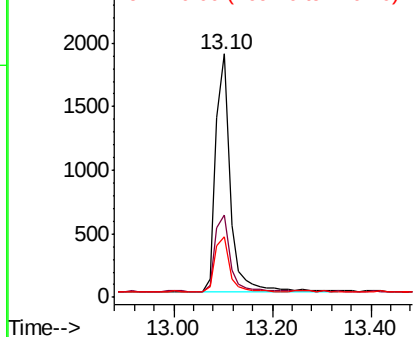
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3759
Ion Ratio Lower Upper
172 100
171 34.0 28.7 43.1
170 24.8 20.9 31.3

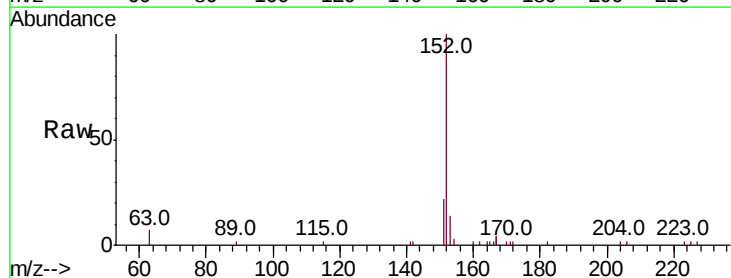


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

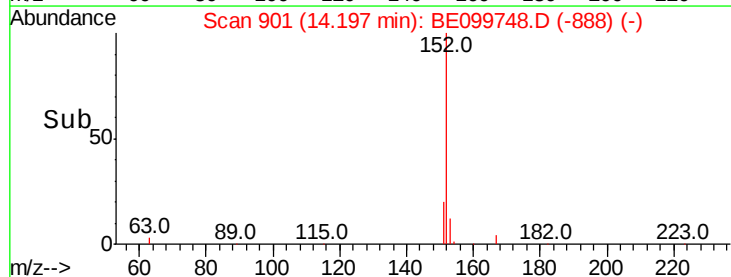
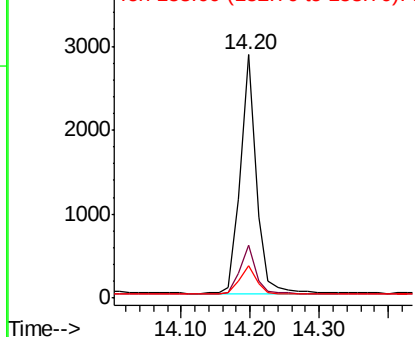


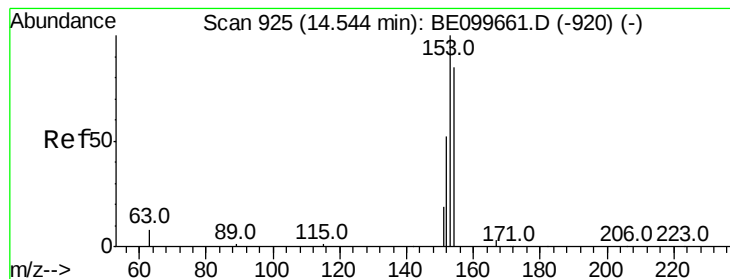
#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion:152 Resp: 4581
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.3 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: 0.367 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

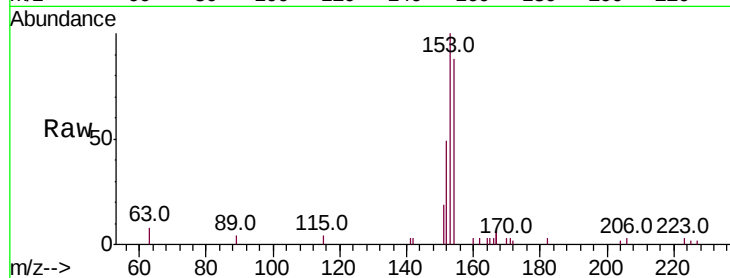
Tot Ion:154 Resp: 2492

Ion Ratio Lower Upper

154 100

153 119.2 91.8 137.6

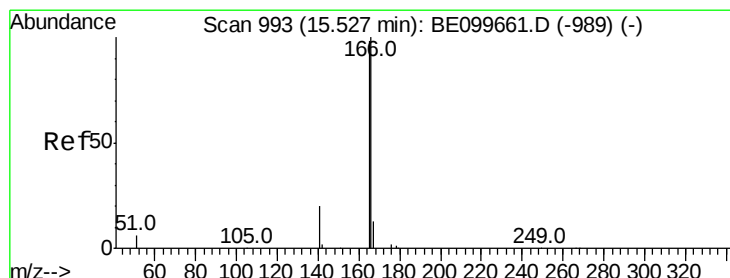
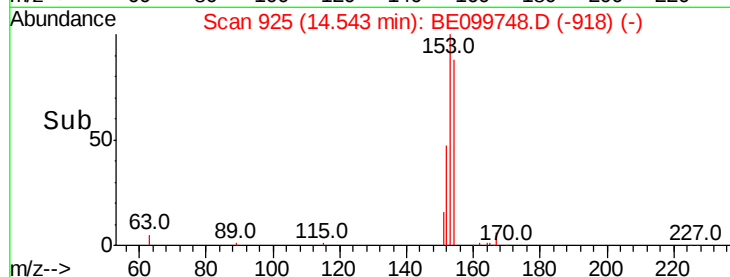
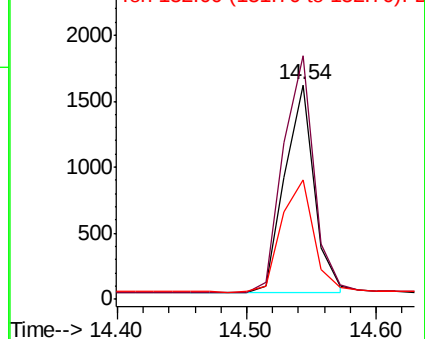
152 59.3 46.0 69.0



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: 0.366 ng

RT: 15.51 min Scan# 992

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

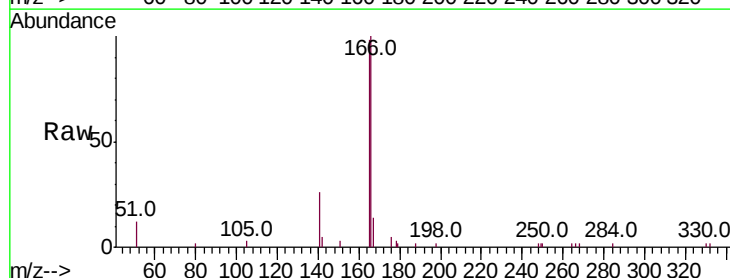
Tgt Ion:166 Resp: 3662

Ion Ratio Lower Upper

166 100

165 99.8 80.3 120.5

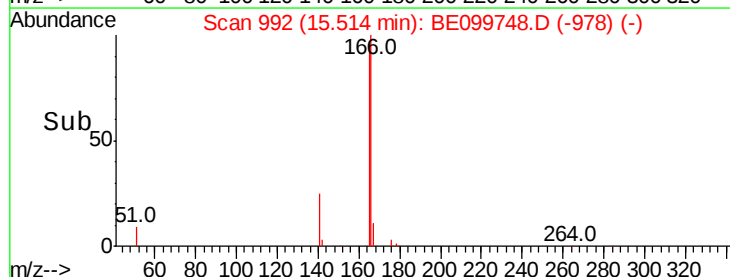
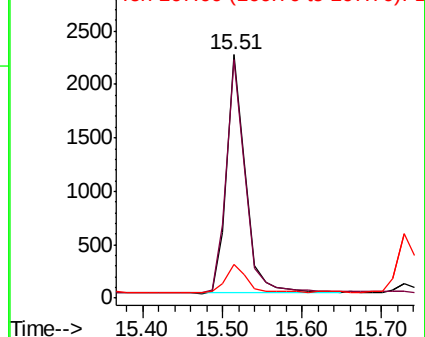
167 13.2 10.6 16.0

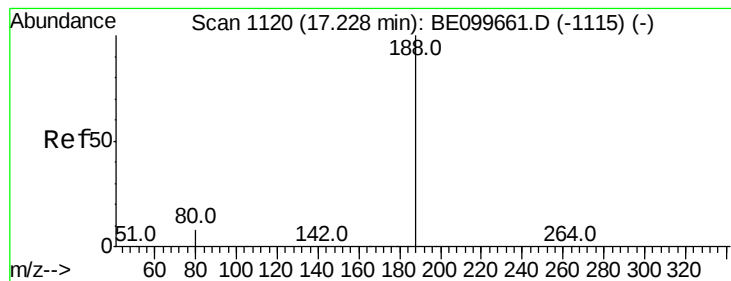


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

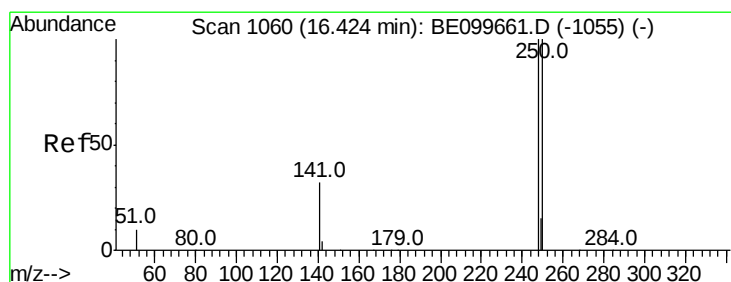
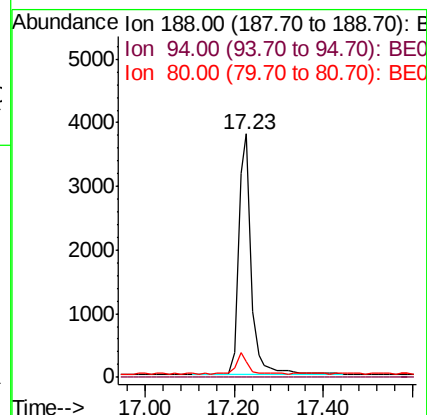
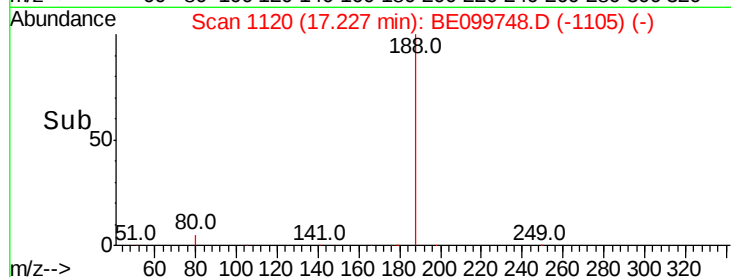
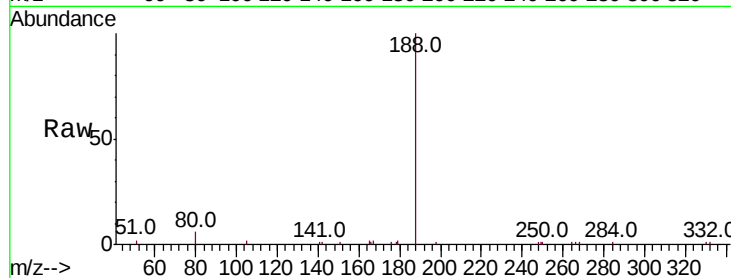
Tot Ion:188 Resp: 7342

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.2 6.7 10.1#



#20

4-Bromophenyl-phenylether

Concen: 0.373 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

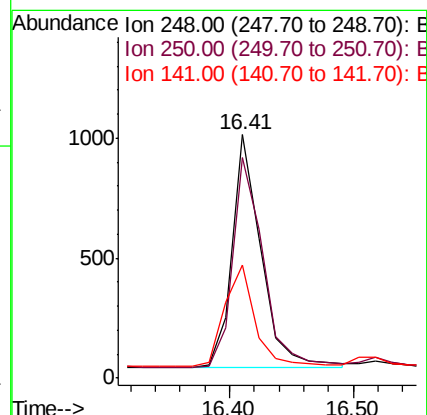
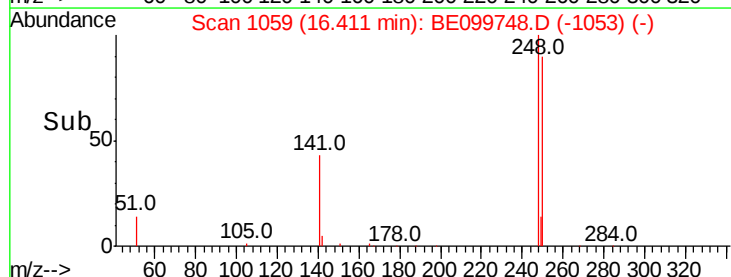
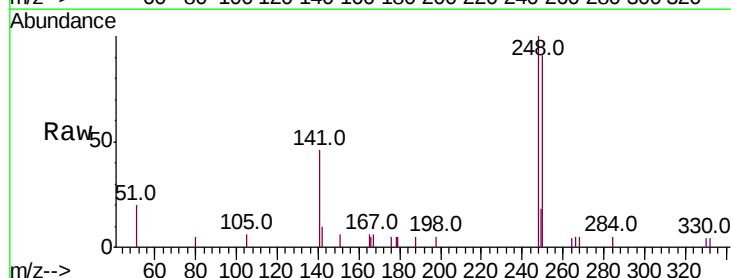
Tgt Ion:248 Resp: 1578

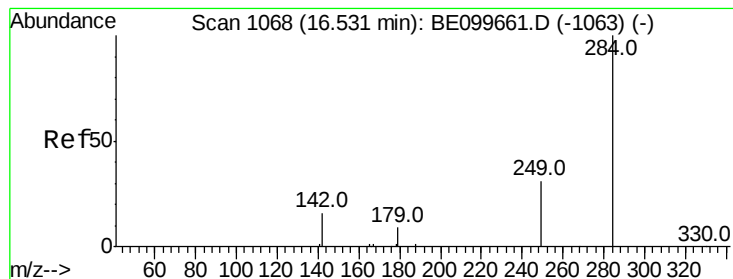
Ion Ratio Lower Upper

248 100

250 90.5 79.8 119.8

141 46.4 27.0 40.6#





#21

Hexachlorobenzene

Concen: 0.371 ng

RT: 16.52 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampled :

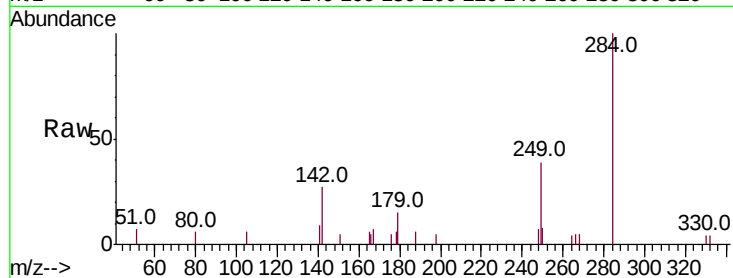
Tot Ion:284 Resp: 1606

Ion Ratio Lower Upper

284 100

142 23.3 17.8 26.6

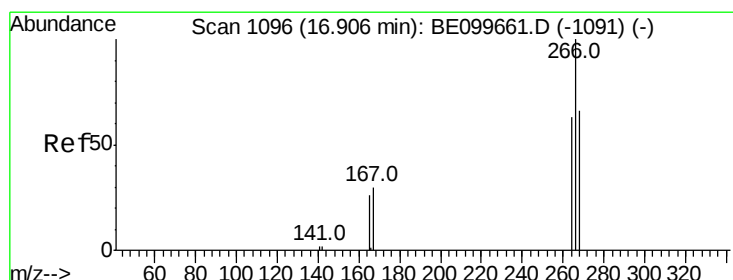
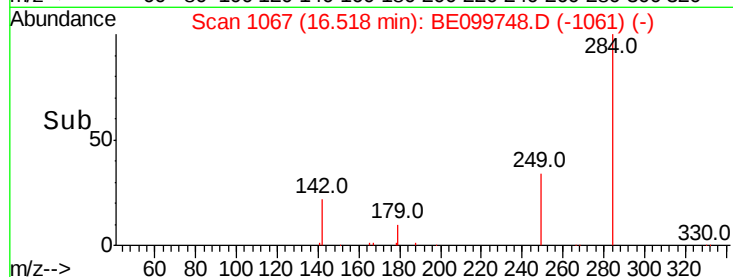
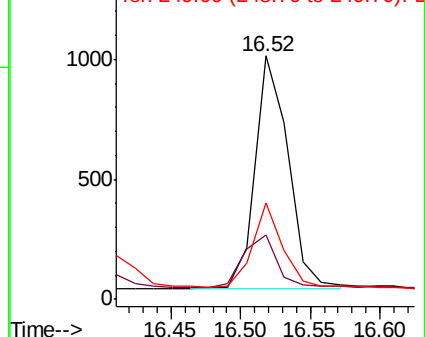
249 31.9 24.8 37.2



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: 1.002 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

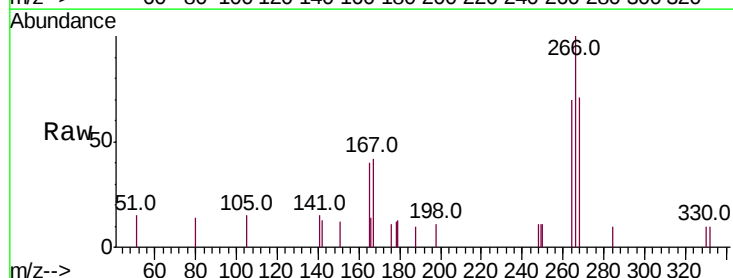
Tgt Ion:266 Resp: 1187

Ion Ratio Lower Upper

266 100

264 70.5 57.2 85.8

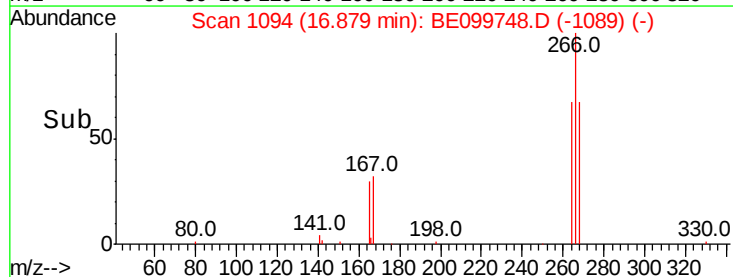
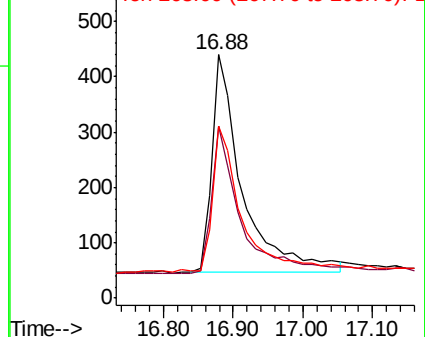
268 70.7 60.5 90.7

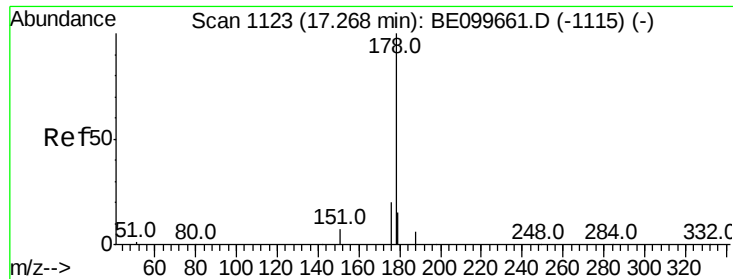


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



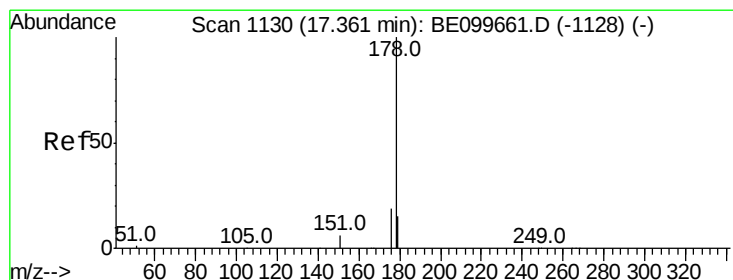
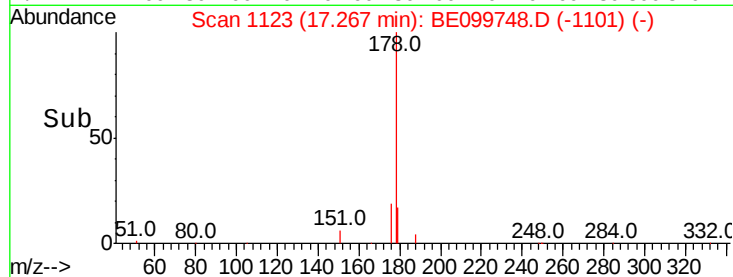
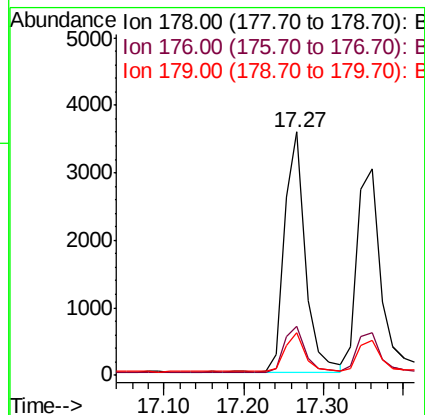
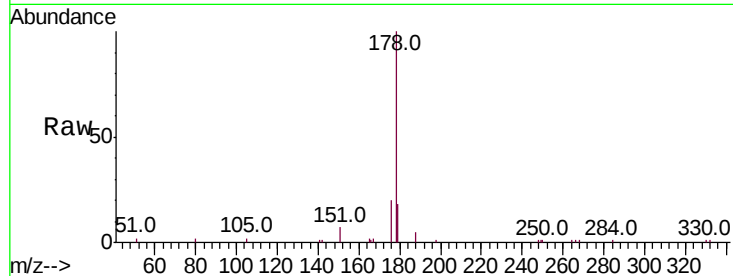


#23
 Phenanthrene
 Concen: 0.362 ng
 RT: 17.27 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: BE099748.D
 Acq: 24 May 2019 18:33

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:178 Resp: 6488

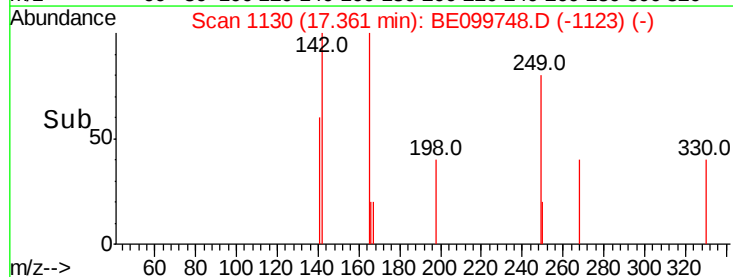
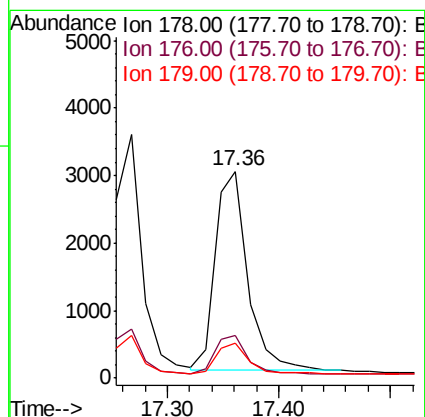
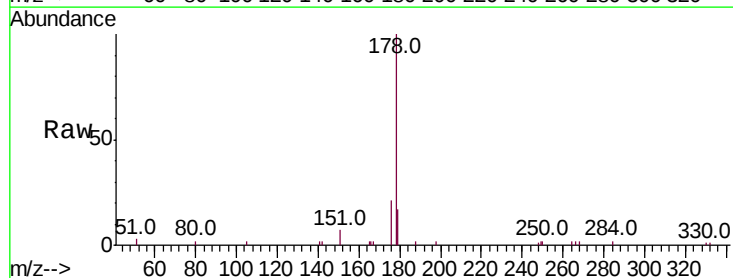
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.8	12.2	18.4

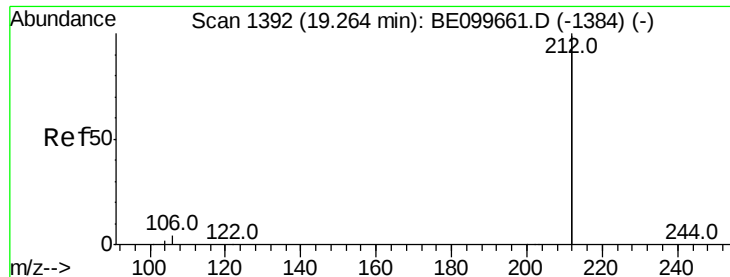


#24
 Anthracene
 Concen: 0.369 ng
 RT: 17.36 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BE099748.D
 Acq: 24 May 2019 18:33

Tgt Ion:178 Resp: 5996

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.1	12.0	18.0





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

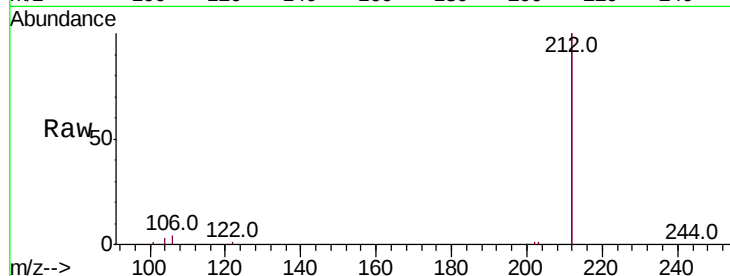
Tot Ion:212 Resp: 35675

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

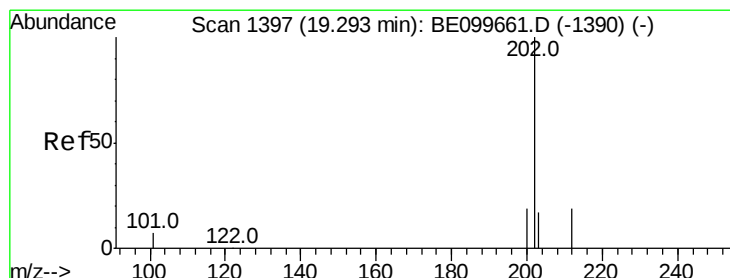
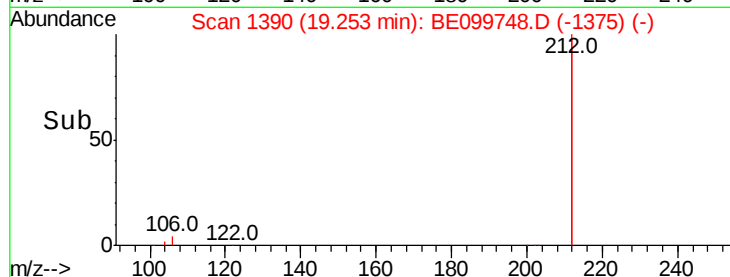
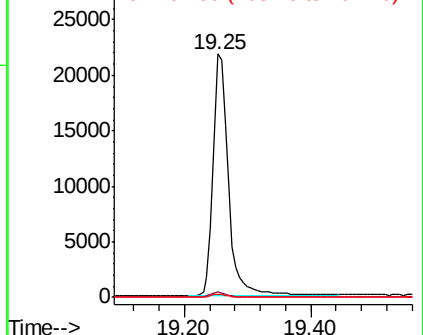
104 1.1 0.8 1.2



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: 0.359 ng

RT: 19.29 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

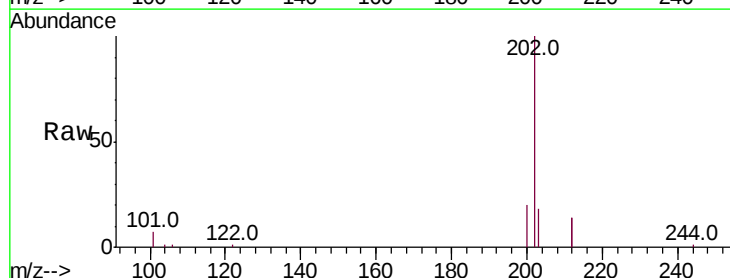
Tgt Ion:202 Resp: 10173

Ion Ratio Lower Upper

202 100

101 6.9 5.2 7.8

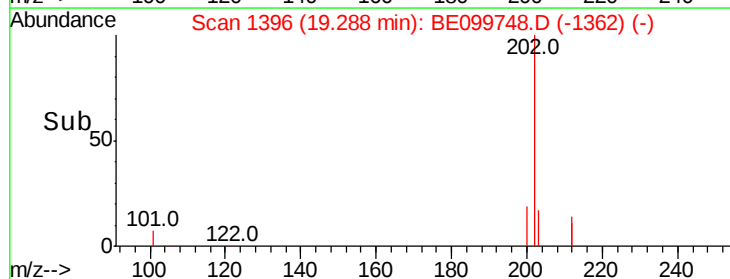
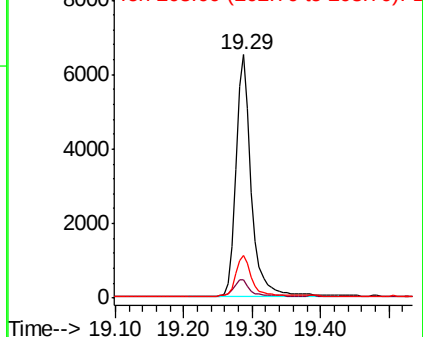
203 17.0 13.8 20.6

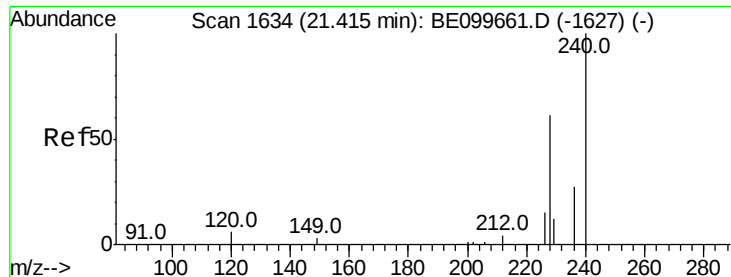


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

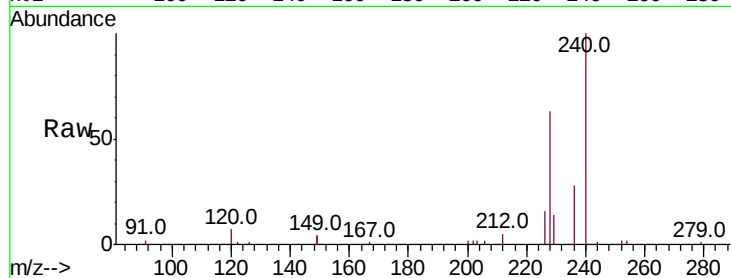




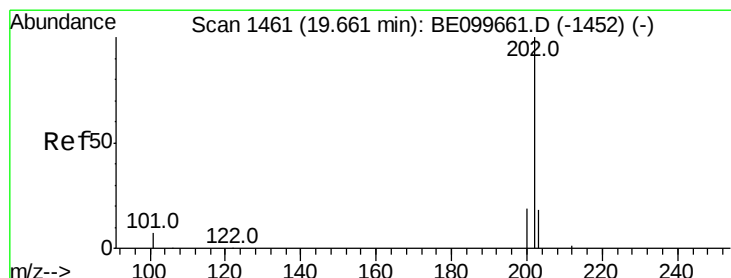
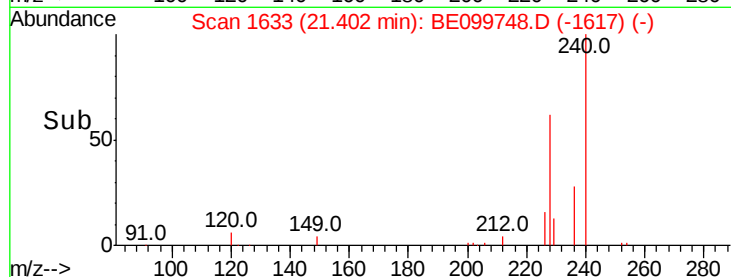
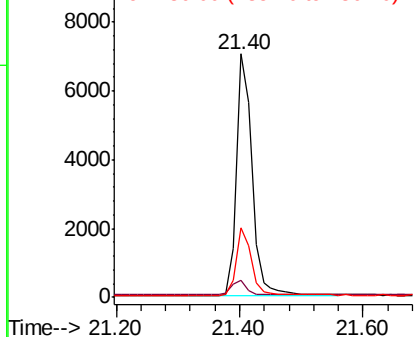
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BE099748.D
 Acq: 24 May 2019 18:33

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 12088
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.4 8.0
 236 28.3 21.7 32.5

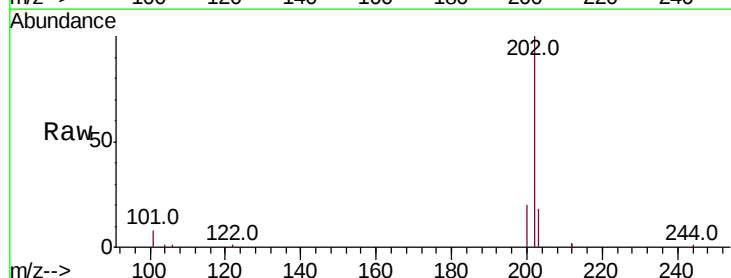


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

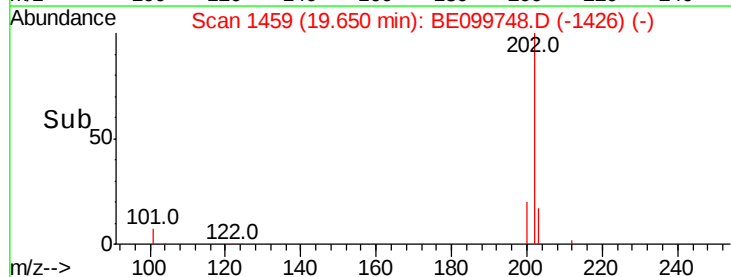
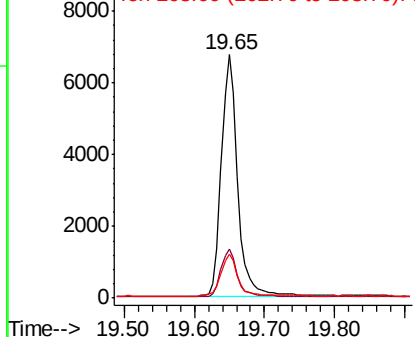


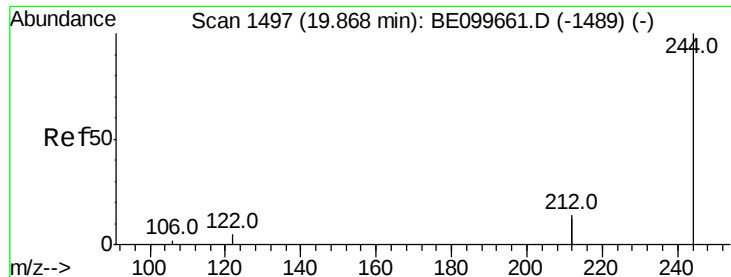
#28
 Pyrene
 Concen: 0.354 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BE099748.D
 Acq: 24 May 2019 18:33

Tgt Ion:202 Resp: 10757
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 18.4 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: 0.370 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampled :

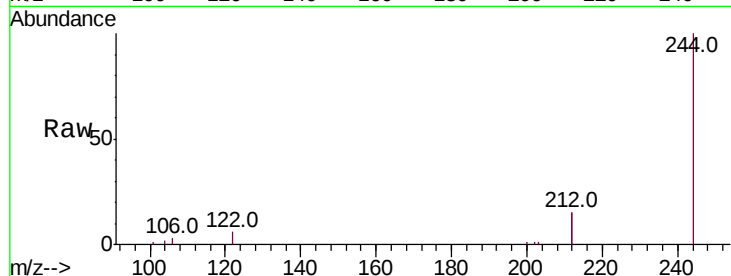
Tot Ion:244 Resp: 7978

Ion Ratio Lower Upper

244 100

212 29.9 22.5 33.7

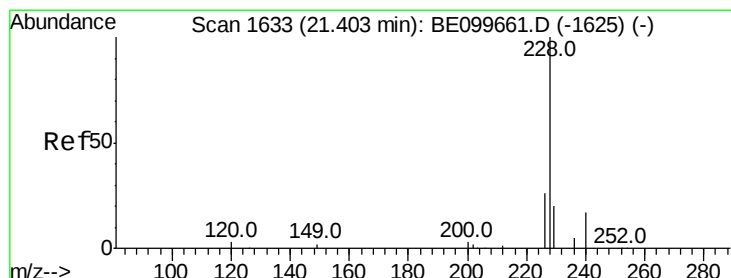
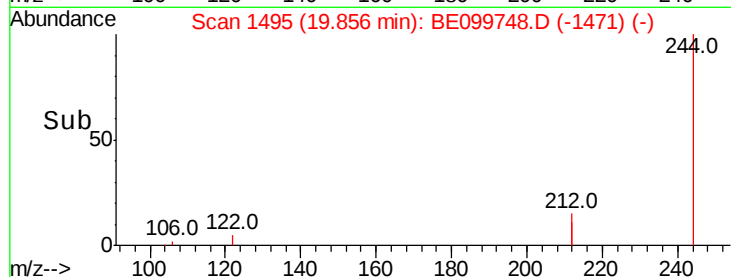
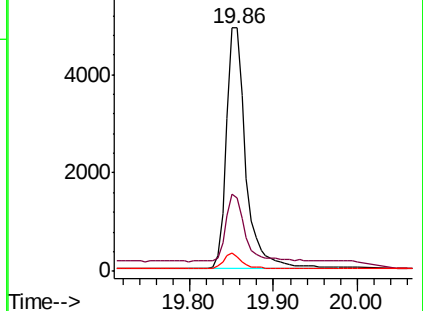
122 6.0 4.3 6.5



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: 0.432 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

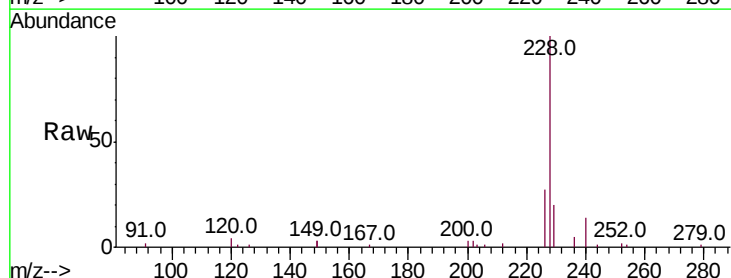
Tgt Ion:228 Resp: 14846

Ion Ratio Lower Upper

228 100

226 27.2 21.3 31.9

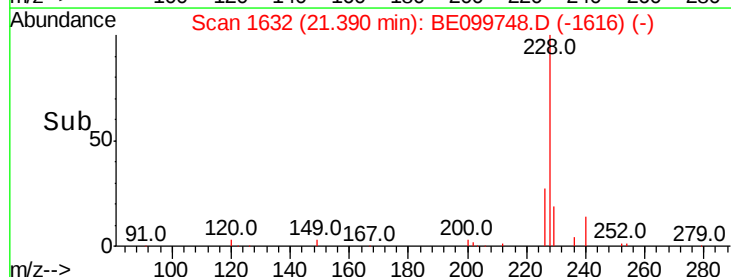
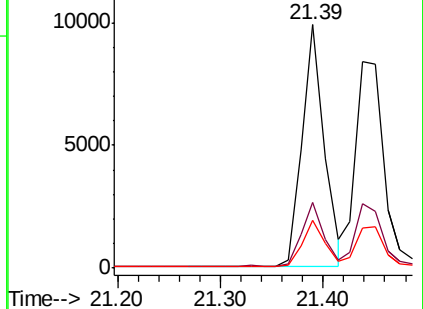
229 19.8 16.1 24.1

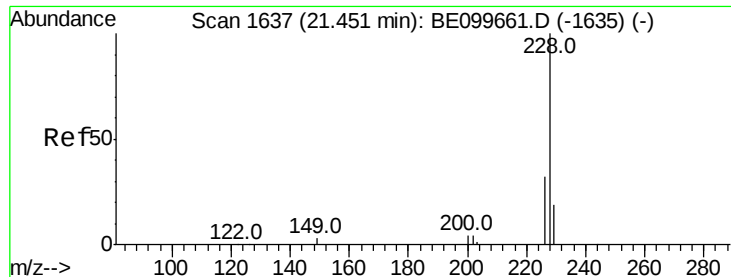


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.421 ng

RT: 21.44 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampled :

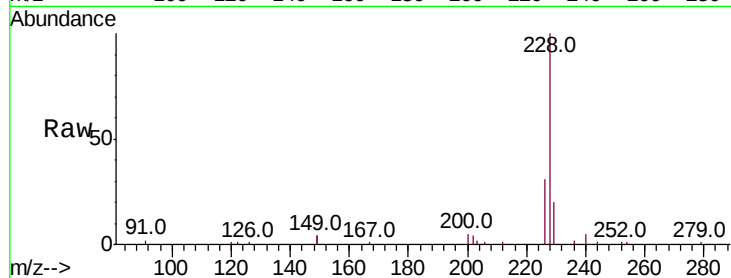
Tot Ion:228 Resp: 15455

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

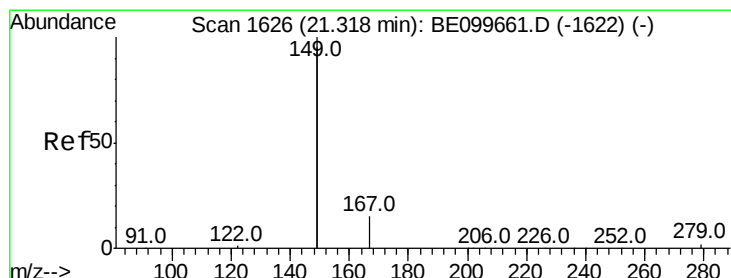
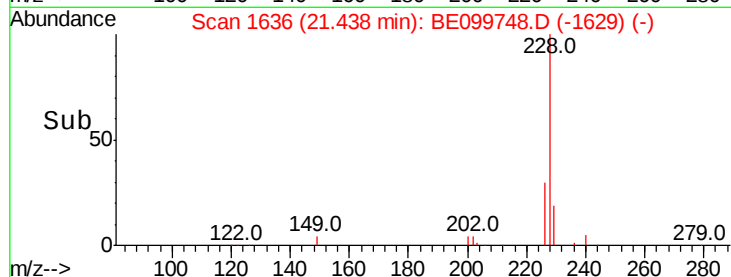
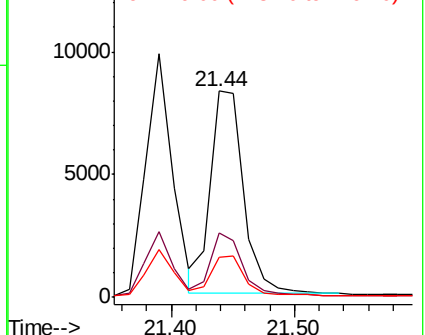
229 19.7 15.8 23.6



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: 0.446 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

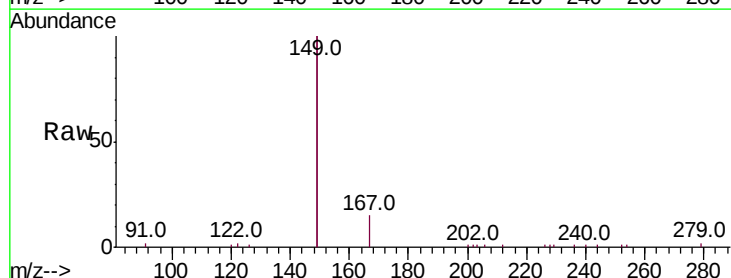
Tgt Ion:149 Resp: 17652

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

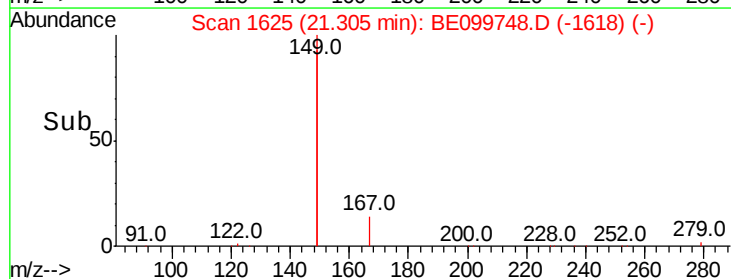
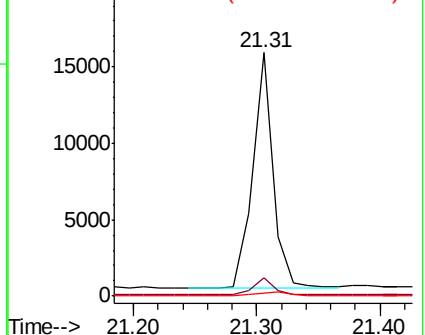
279 1.6 1.2 1.8

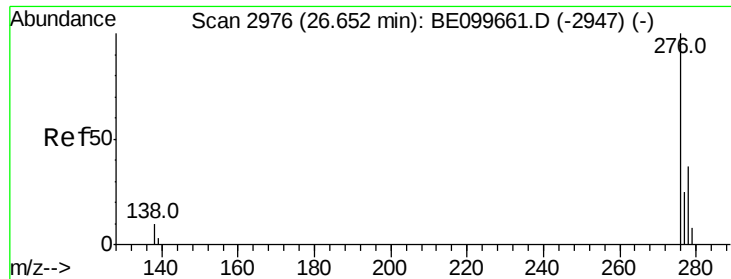


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.447 ng

RT: 26.62 min Scan# 2968

Delta R.T. -0.03 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

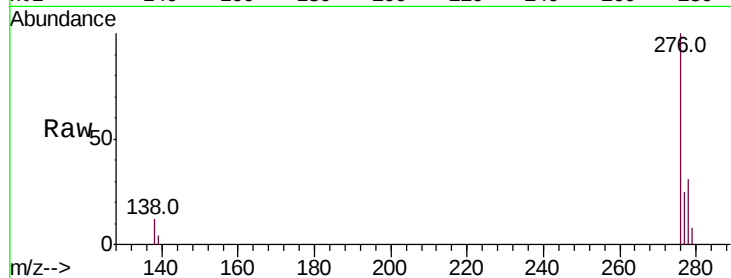
Tot Ion:276 Resp: 19821

Ion Ratio Lower Upper

276 100

138 12.7 9.6 14.4

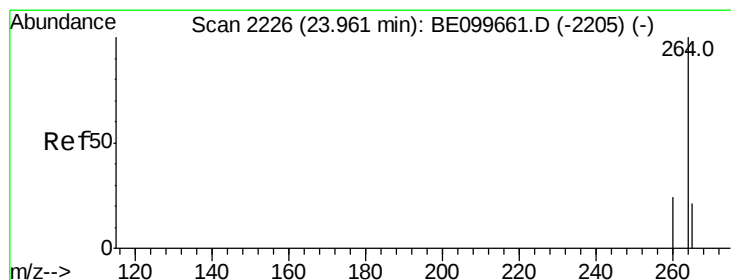
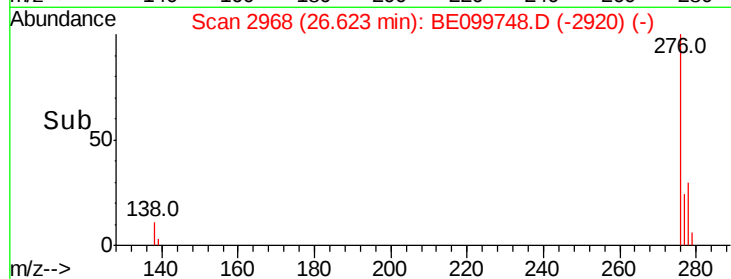
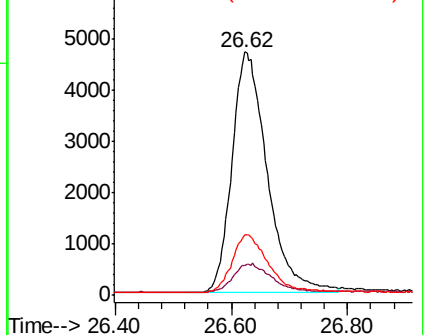
277 24.1 19.2 28.8



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: BE099748.D

Acq: 24 May 2019 18:33

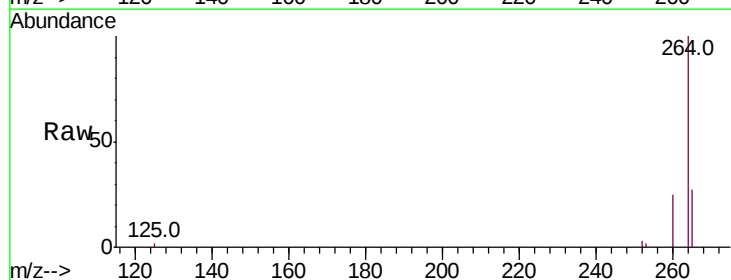
Tgt Ion:264 Resp: 15440

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

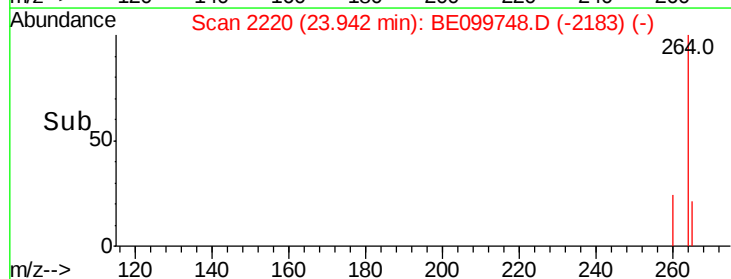
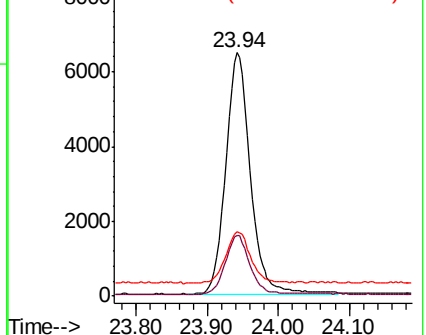
265 26.5 19.1 28.7

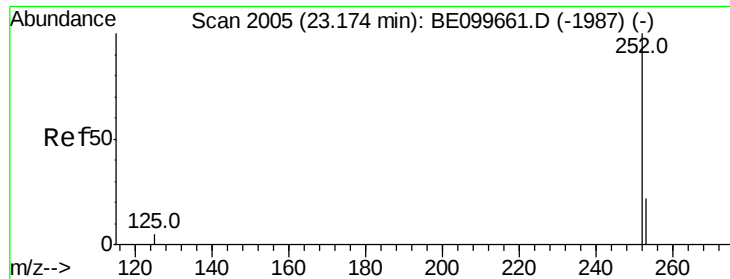


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

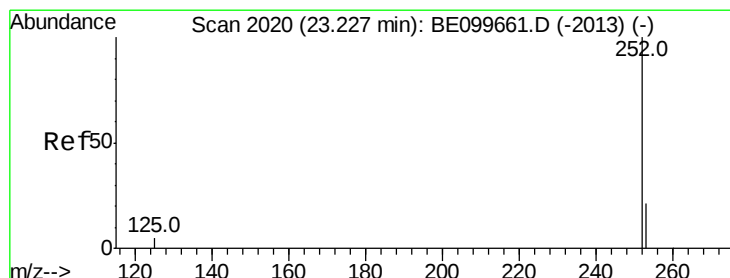
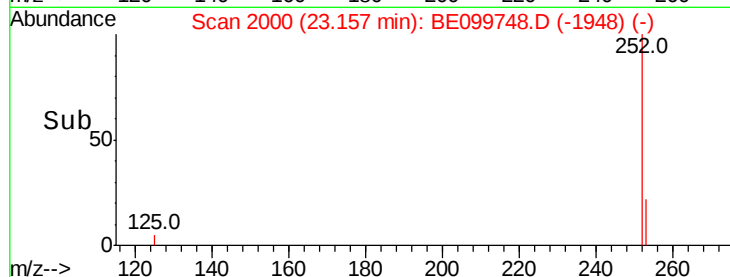
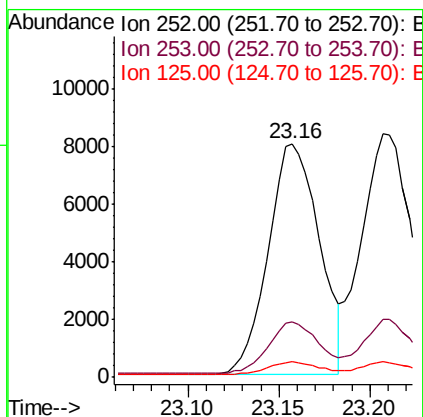
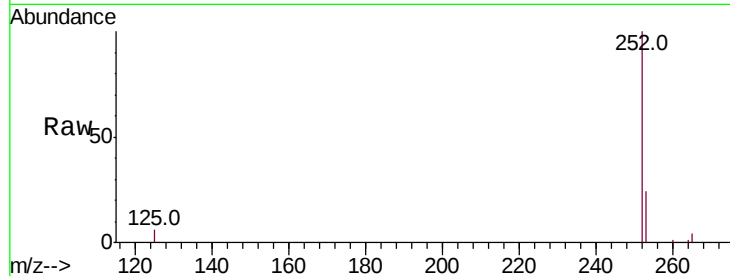




#35
Benzo(b)fluoranthene
Concen: 0.370 ng
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

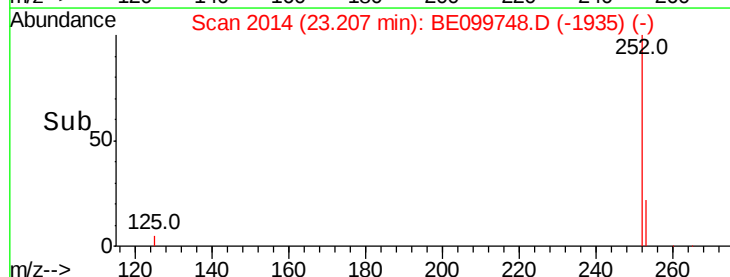
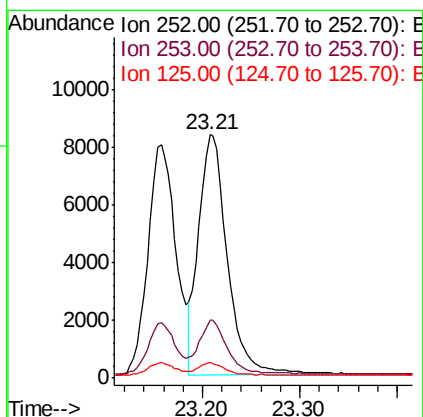
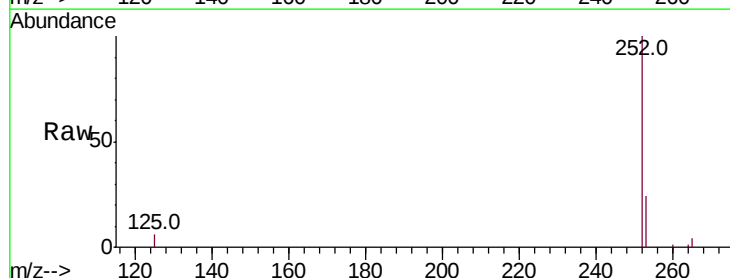
Instrument :
BNA_E
ClientSampleId :

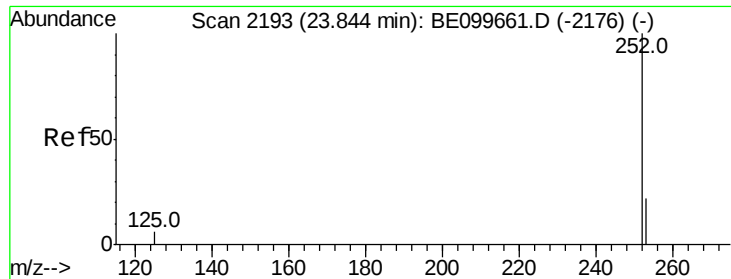
Tot Ion:252 Resp: 15662
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 6.5 4.5 6.7



#36
Benzo(k)fluoranthene
Concen: 0.385 ng
RT: 23.21 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BE099748.D
Acq: 24 May 2019 18:33

Tgt Ion:252 Resp: 16969
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 6.4 4.6 6.8





#37

Benzo(a)pyrene

Concen: 0.398 ng

RT: 23.82 min Scan# 2187

Delta R.T. -0.02 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

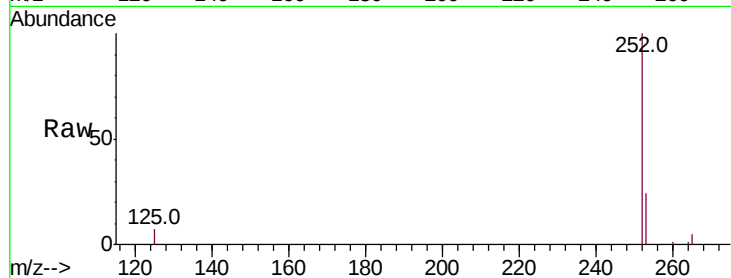
Tot Ion:252 Resp: 16186

Ion Ratio Lower Upper

252 100

253 23.8 18.9 28.3

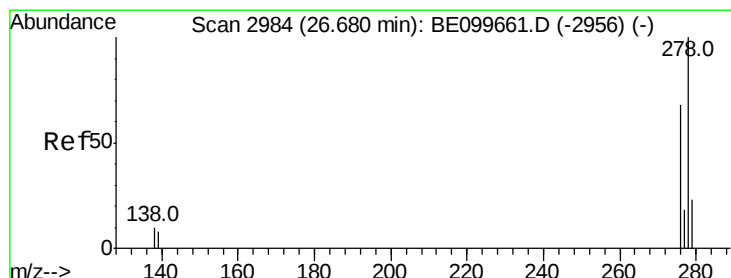
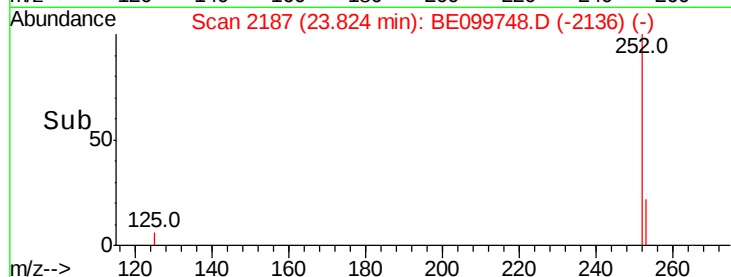
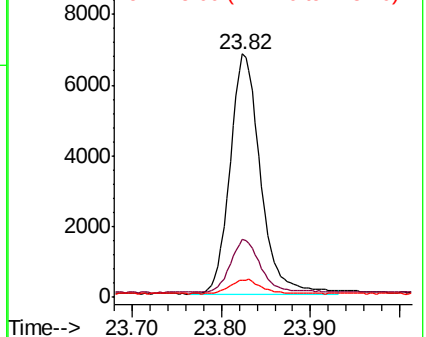
125 7.1 5.4 8.0



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: 0.374 ng

RT: 26.66 min Scan# 2977

Delta R.T. -0.02 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

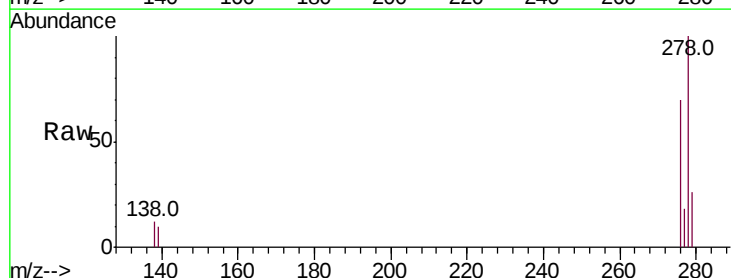
Tgt Ion:278 Resp: 16000

Ion Ratio Lower Upper

278 100

139 9.6 6.9 10.3

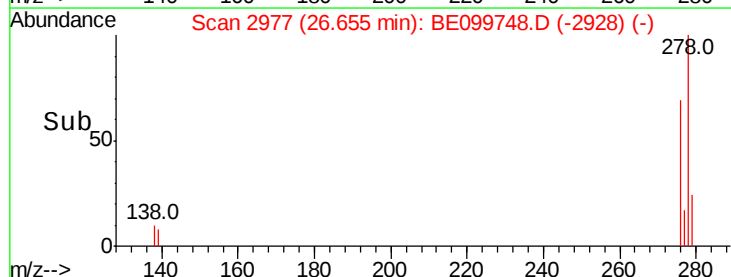
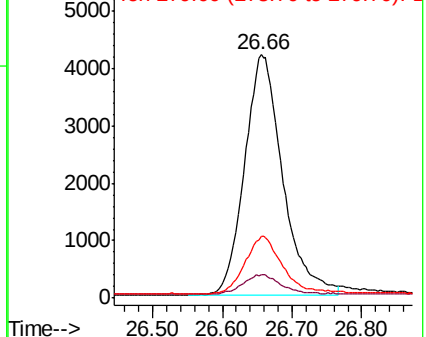
279 25.6 19.2 28.8

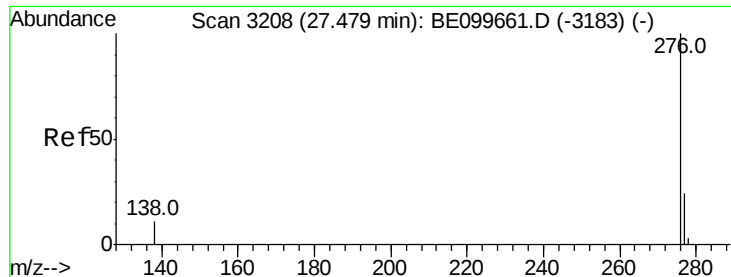


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.398 ng

RT: 27.45 min Scan# 3200

Delta R.T. -0.03 min

Lab File: BE099748.D

Acq: 24 May 2019 18:33

Instrument :

BNA_E

ClientSampleId :

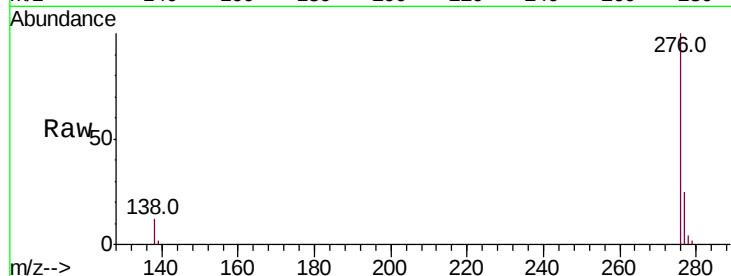
Tot Ion:276 Resp: 17176

Ion Ratio Lower Upper

276 100

277 24.8 19.8 29.6

138 12.2 9.2 13.8



Abundance Ion 276.00 (275.70 to 276.70): E

6000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

