

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
 Data File : BE099688.D
 Acq On : 21 May 2019 13:44
 Operator : JU/SJ
 Sample : K2944-01MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 21 14:24:22 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	1575	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	5255	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3599	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10559	0.40	ng	0.00
27) Chrysene-d12	21.42	240	16320	0.40	ng	0.00
34) Perylene-d12	23.95	264	20211	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1643	0.41	ng	0.00
5) Phenol-d6	6.96	99	2202	0.42	ng	-0.01
8) Nitrobenzene-d5	8.98	82	1832	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3712	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	917	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	4968	0.36	ng	0.00
25) Fluoranthene-d10	19.26	212	53986	0.37	ng	0.00
29) Terphenyl-d14	19.86	244	11449	0.39	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	629	0.270	ng	# 82
3) n-Nitrosodimethylamine	3.62	42	385	0.299	ng	# 46
6) bis(2-Chloroethyl)ether	7.23	93	1750	0.373	ng	99
9) Naphthalene	10.67	128	22027	0.392	ng	100
10) Hexachlorobutadiene	10.94	225	1525	0.369	ng	96
12) 2-Methylnaphthalene	12.30	142	3633	0.397	ng	98
16) Acenaphthylene	14.20	152	6494	0.387	ng	99
17) Acenaphthene	14.54	154	3685	0.391	ng	99
18) Fluorene	15.53	166	5350	0.386	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2314	0.380	ng	93
21) Hexachlorobenzene	16.53	284	2242	0.360	ng	99
22) Pentachlorophenol	16.88	266	2124	1.179	ng	89
23) Phenanthrene	17.27	178	10273	0.398	ng	99
24) Anthracene	17.36	178	9581	0.409	ng	99
26) Fluoranthene	19.29	202	16222	0.398	ng	99
28) Pyrene	19.66	202	17150	0.418	ng	98
30) Benzo(a)anthracene	21.39	228	20458	0.441	ng	98
31) Chrysene	21.45	228	19418	0.392	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	40457	0.757	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	22384	0.374	ng	99
35) Benzo(b)fluoranthene	23.17	252	19546	0.353	ng	# 91
36) Benzo(k)fluoranthene	23.22	252	20224	0.350	ng	# 96
37) Benzo(a)pyrene	23.84	252	19194	0.360	ng	# 95
38) Dibenzo(a,h)anthracene	26.67	278	18911	0.338	ng	# 95
39) Benzo(g,h,i)perylene	27.48	276	18930	0.335	ng	99

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

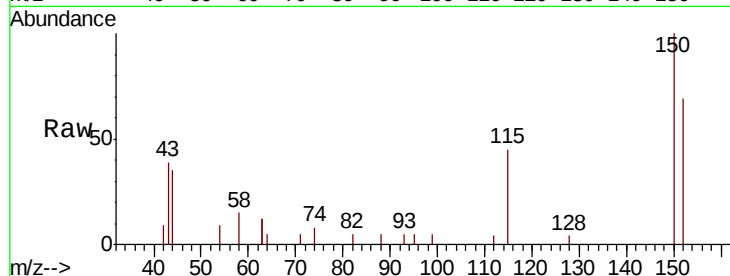


#1

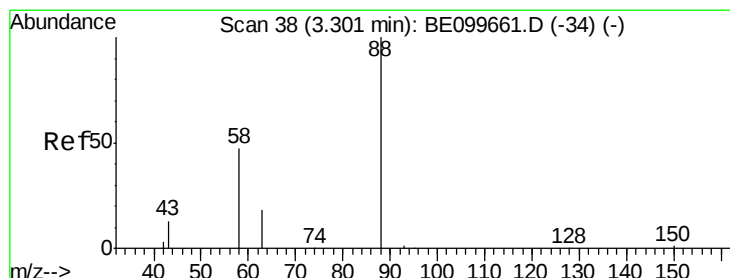
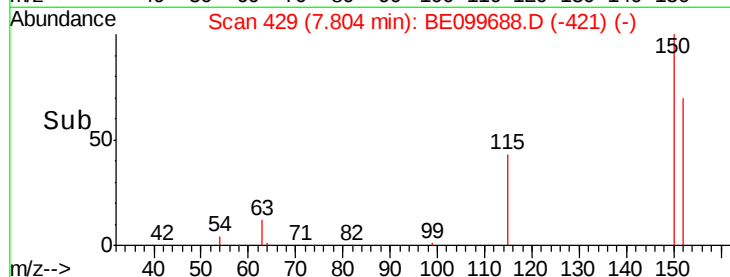
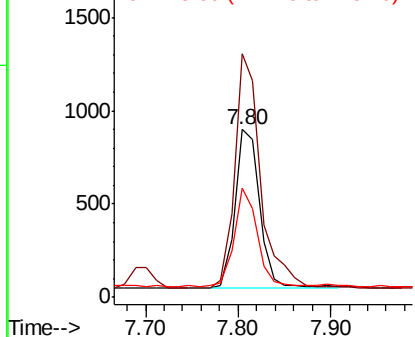
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1575
Ion Ratio Lower Upper
152 100
150 145.2 109.2 163.8
115 65.3 43.7 65.5



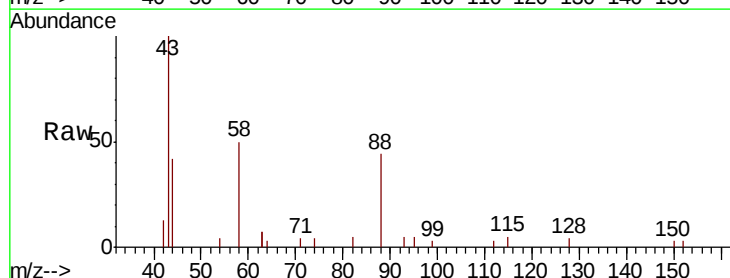
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



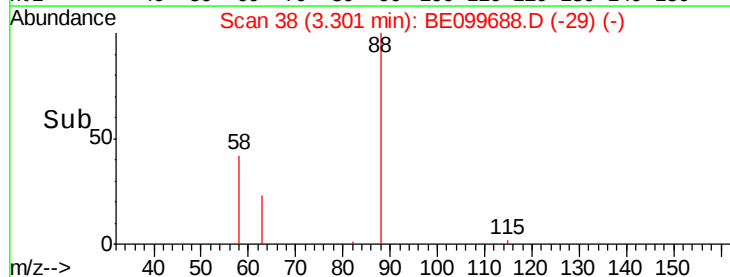
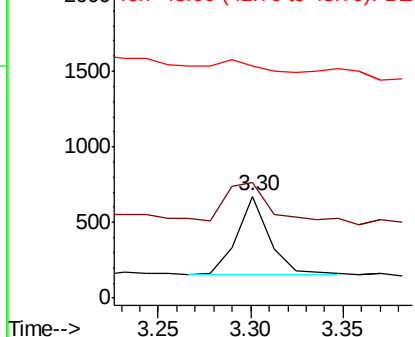
#2

1,4-Dioxane
Concen: 0.270 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion: 88 Resp: 629
Ion Ratio Lower Upper
88 100
58 59.1 41.8 62.8
43 0.0 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: 0.299 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampled :

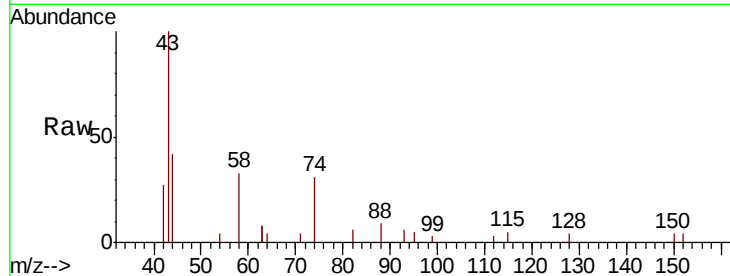
Tot Ion: 42 Resp: 385

Ion Ratio Lower Upper

42 100

74 233.2 129.2 193.8#

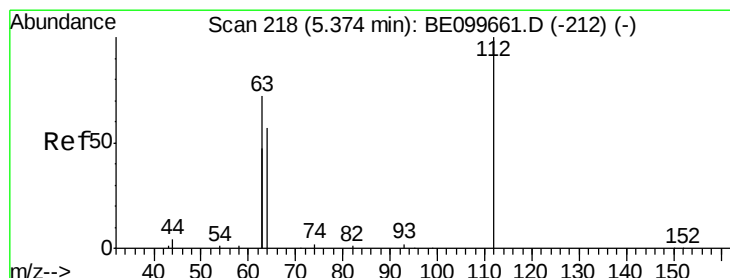
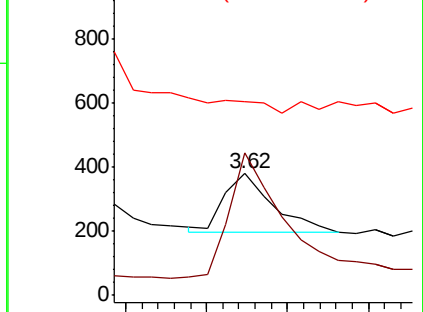
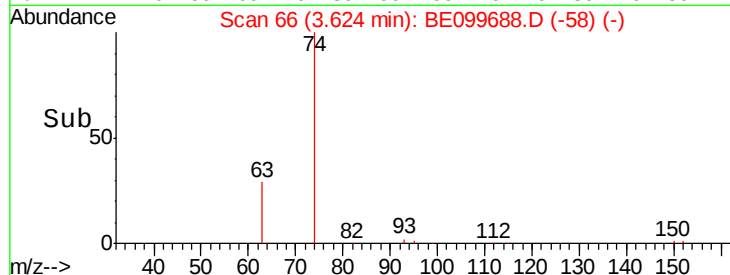
44 0.0 0.0 0.0



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: 0.413 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

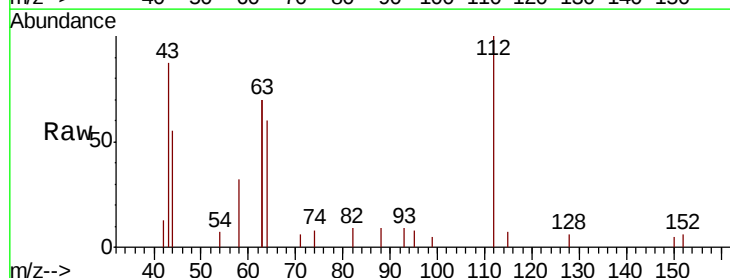
Tgt Ion: 112 Resp: 1643

Ion Ratio Lower Upper

112 100

64 53.4 43.4 65.2

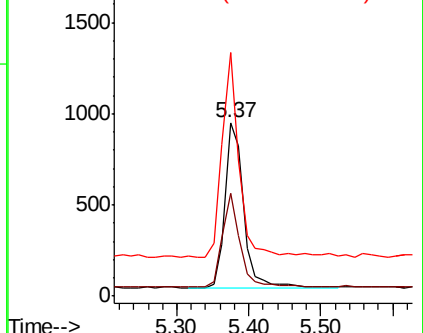
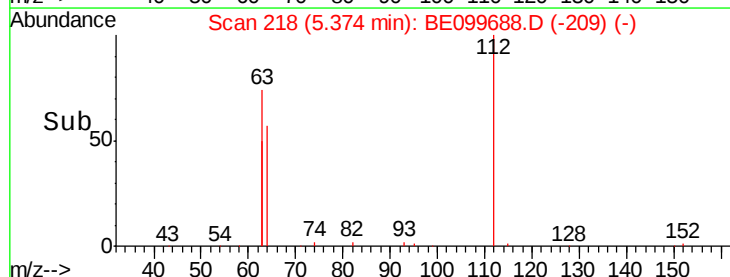
63 110.8 96.9 145.3



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: 0.418 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampled :

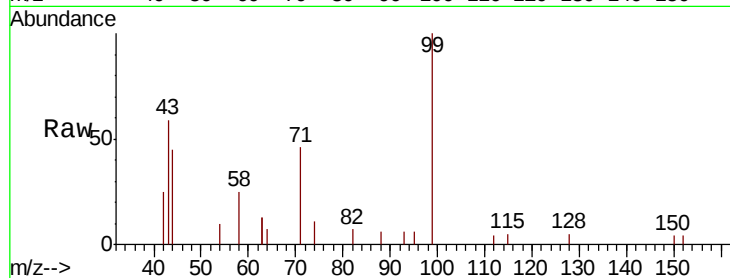
Tot Ion: 99 Resp: 2202

Ion Ratio Lower Upper

99 100

42 13.1 12.2 18.2

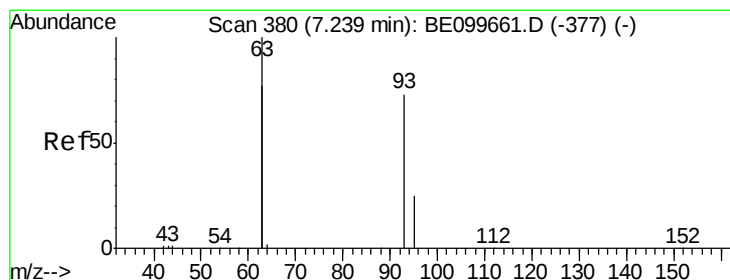
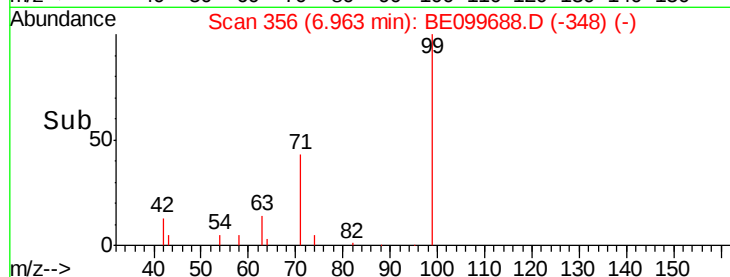
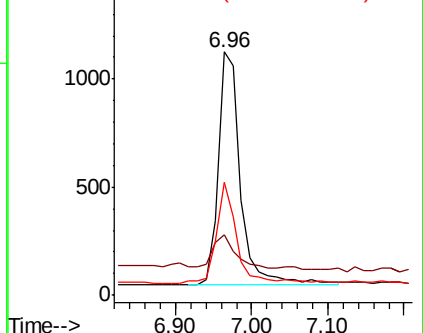
71 39.6 28.9 43.3



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.373 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

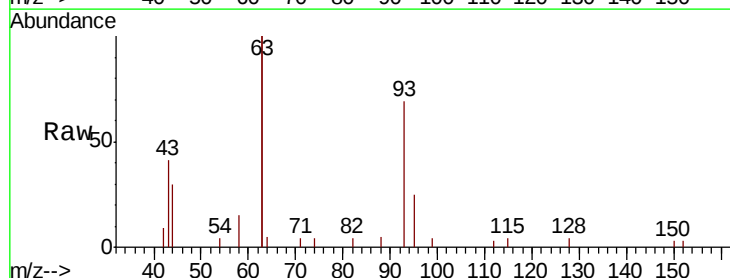
Tgt Ion: 93 Resp: 1750

Ion Ratio Lower Upper

93 100

63 262.2 207.8 311.6

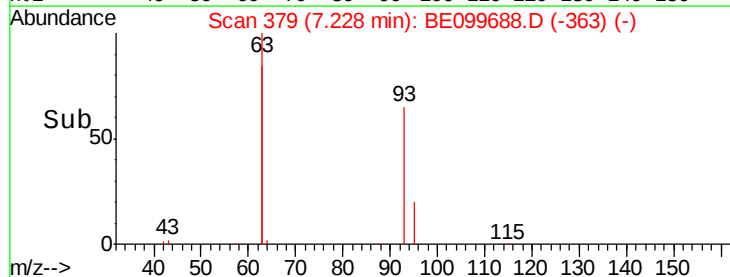
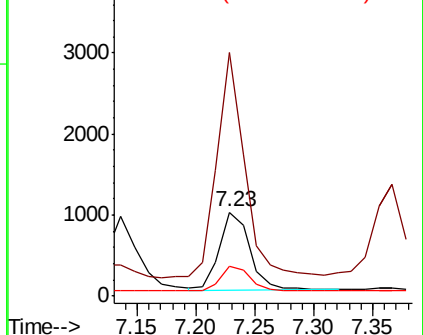
95 32.1 25.9 38.9

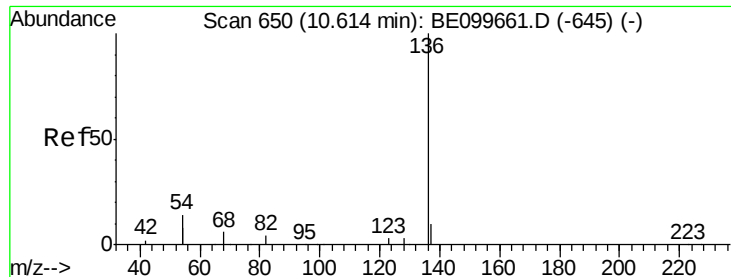


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5255

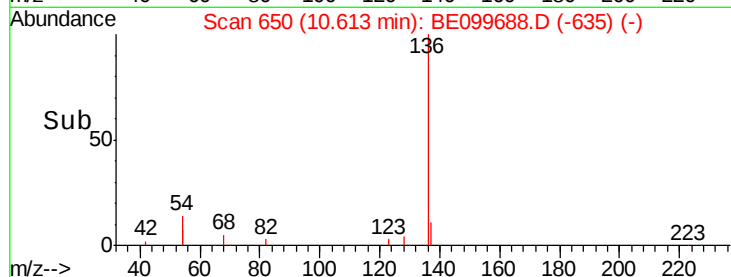
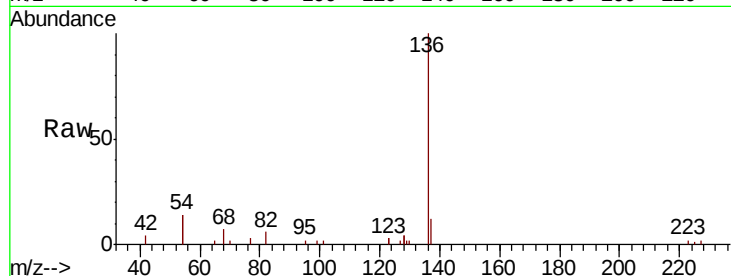
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 28.3 22.3 33.5

68 7.3 6.0 9.0

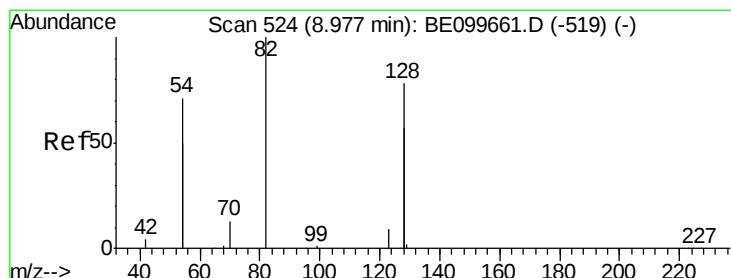
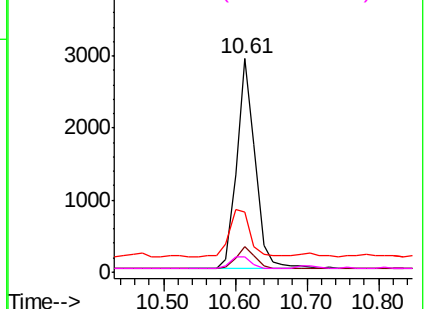


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.403 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

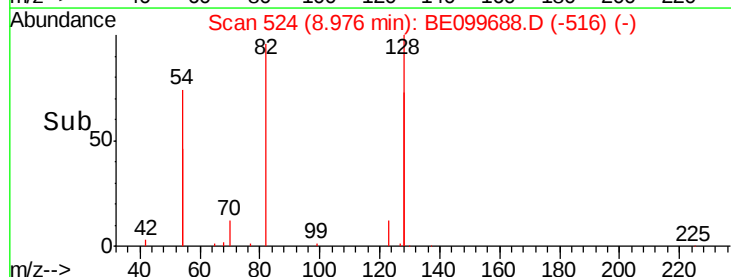
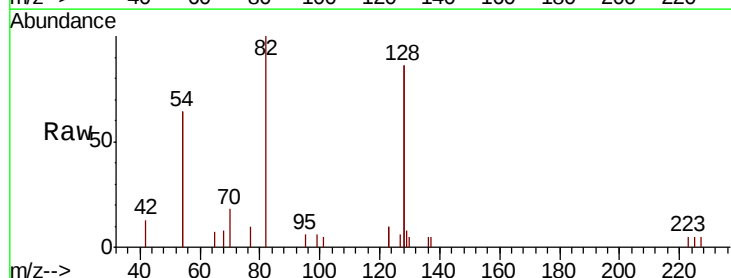
Tgt Ion: 82 Resp: 1832

Ion Ratio Lower Upper

82 100

128 172.5 117.7 176.5

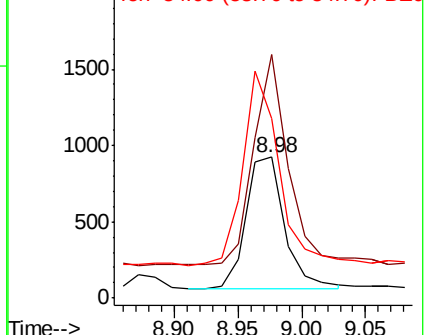
54 127.4 106.6 160.0

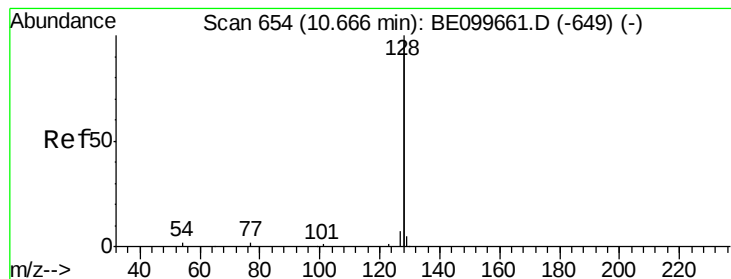


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.392 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :

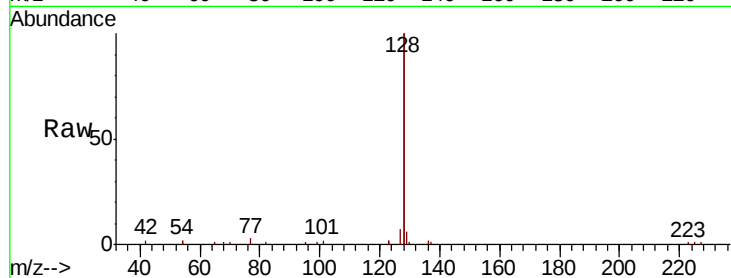
Tot Ion:128 Resp: 22027

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

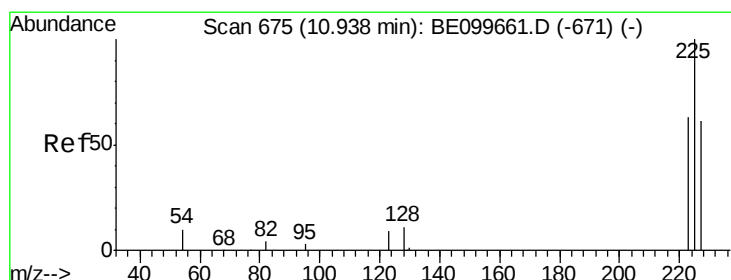
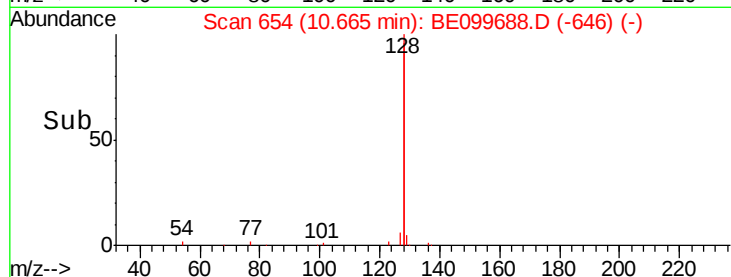
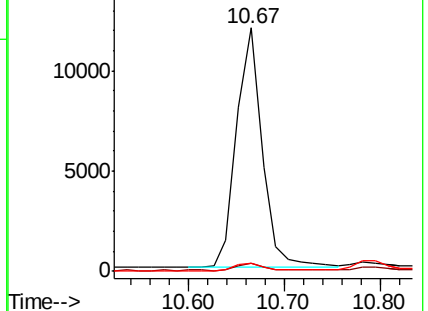
127 3.6 2.9 4.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.369 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

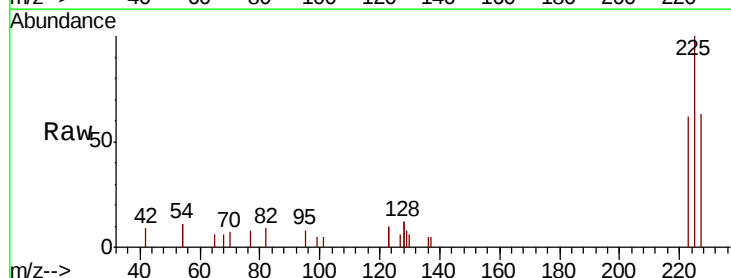
Tgt Ion:225 Resp: 1525

Ion Ratio Lower Upper

225 100

223 62.0 51.8 77.6

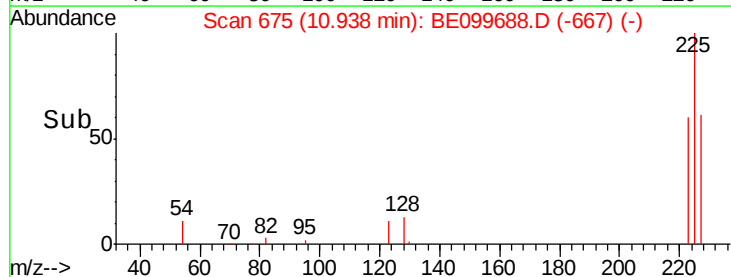
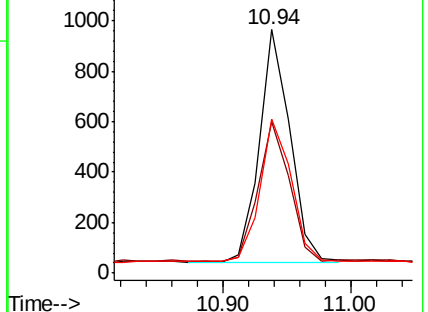
227 62.3 52.6 79.0

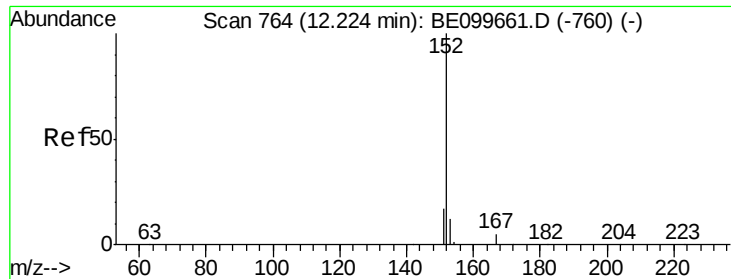


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

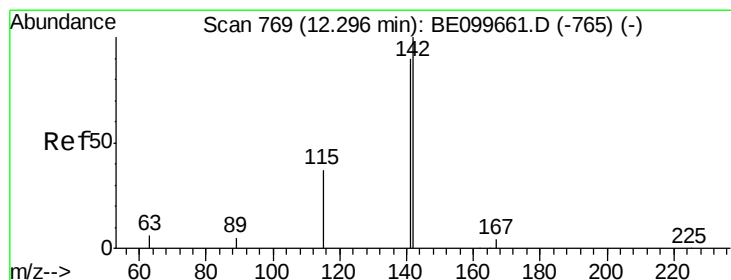
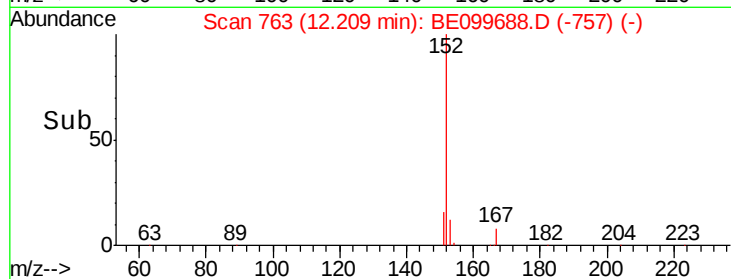
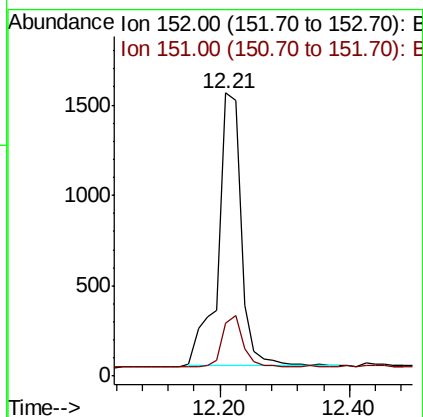
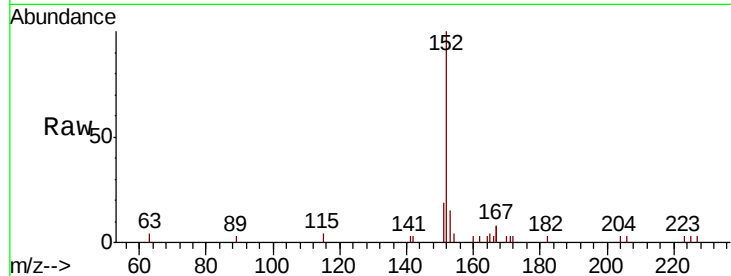




#11
2-Methylnaphthalene-d10
Concen: 0.409 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

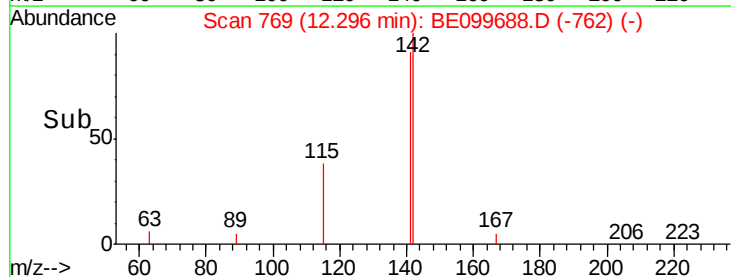
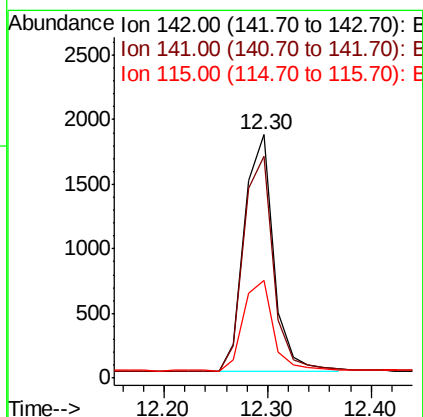
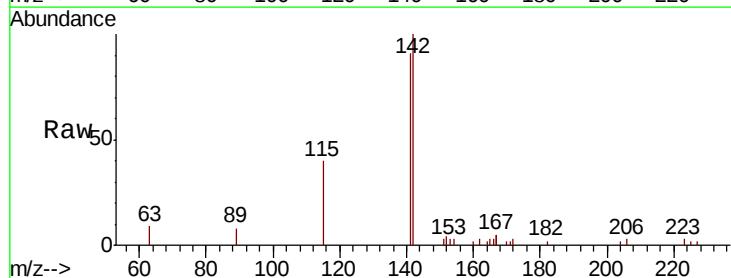
Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3712
Ion Ratio Lower Upper
152 100
151 17.2 15.0 22.4



#12
2-Methylnaphthalene
Concen: 0.397 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:142 Resp: 3633
Ion Ratio Lower Upper
142 100
141 91.3 72.0 108.0
115 39.9 31.0 46.4

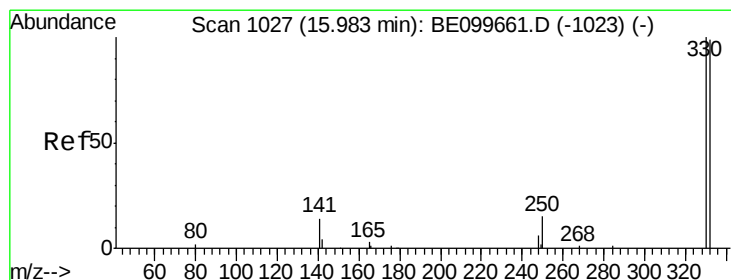
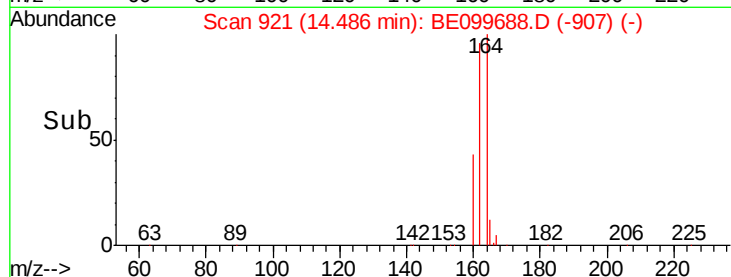
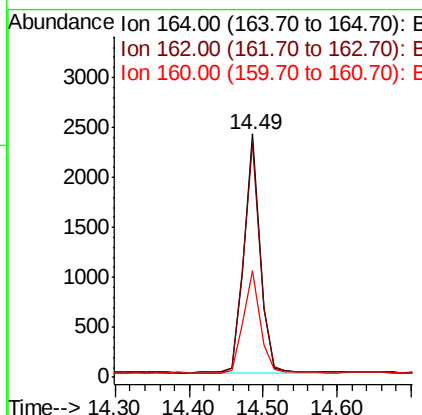
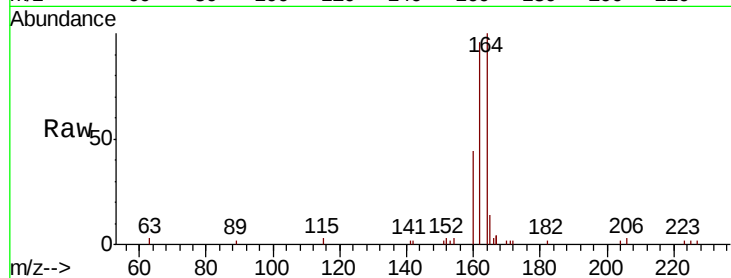




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

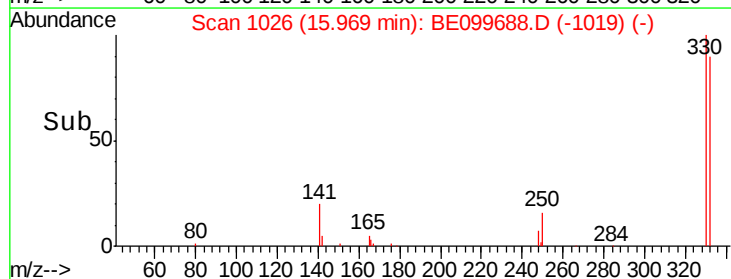
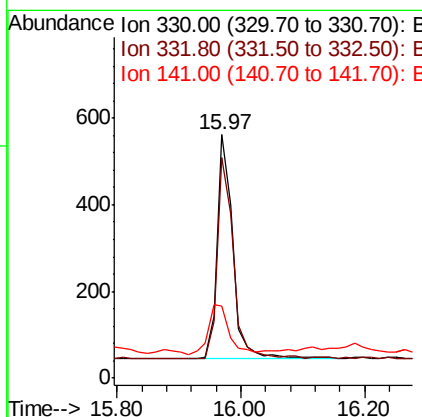
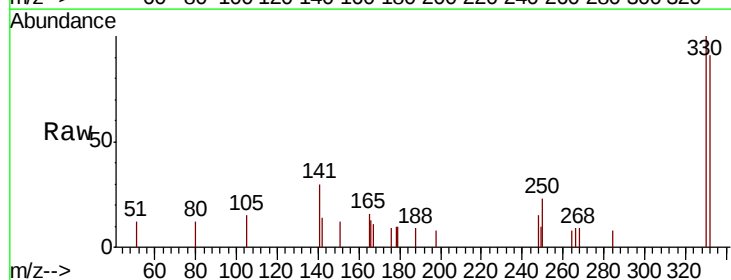
Instrument :
BNA_E
ClientSampleId :

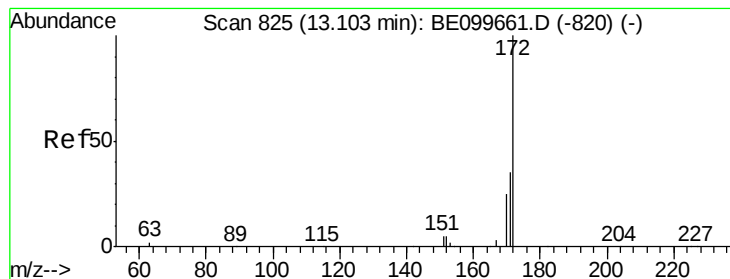
Tot Ion:164 Resp: 3599
Ion Ratio Lower Upper
164 100
162 96.3 76.5 114.7
160 43.9 37.4 56.2



#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:330 Resp: 917
Ion Ratio Lower Upper
330 100
332 91.1 77.3 115.9
141 29.6 18.9 28.3#





#15

2-Fluorobiphenyl

Concen: 0.364 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :

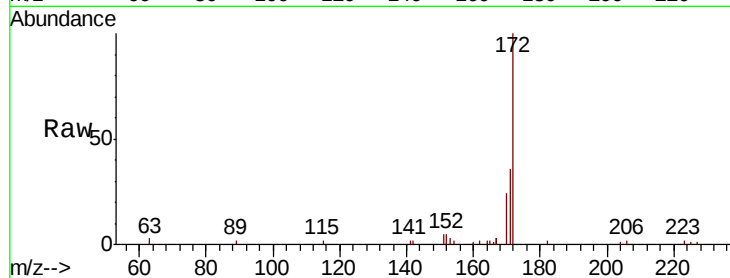
Tot Ion:172 Resp: 4968

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

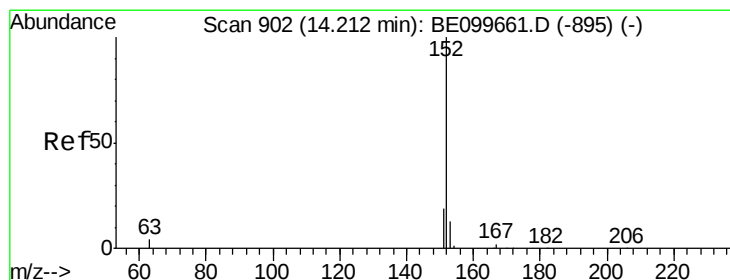
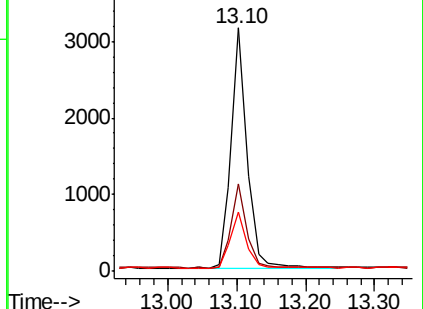
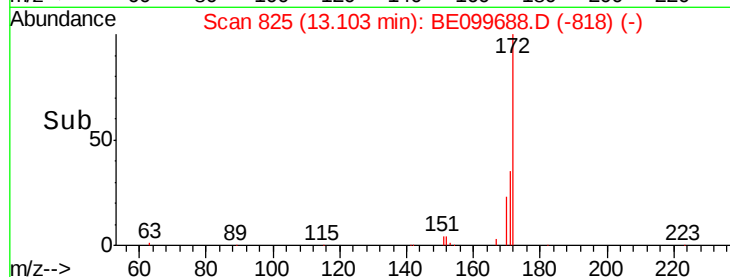
170 24.3 20.9 31.3



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: 0.387 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

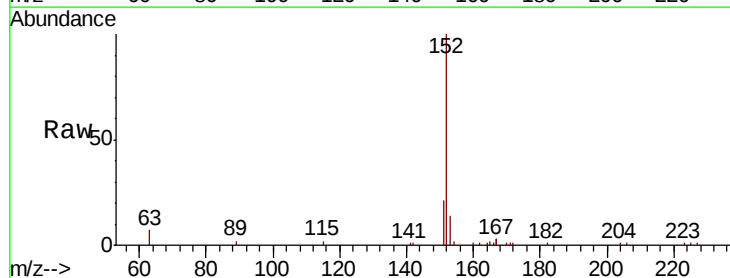
Tgt Ion:152 Resp: 6494

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

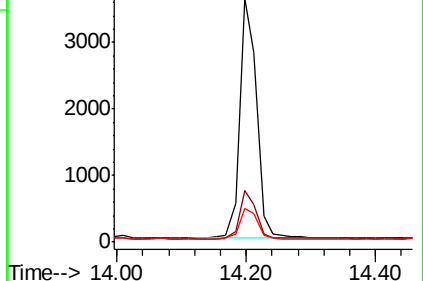
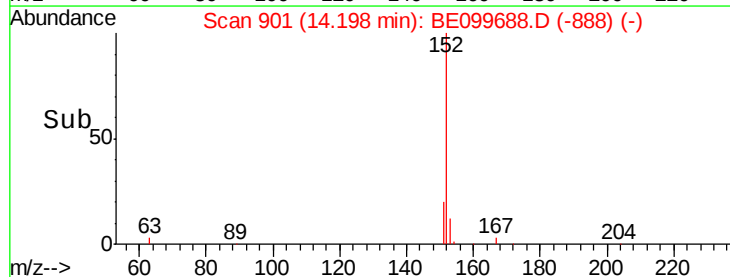
153 12.9 10.6 16.0



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

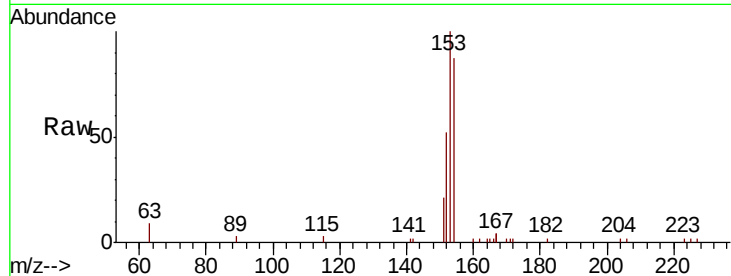




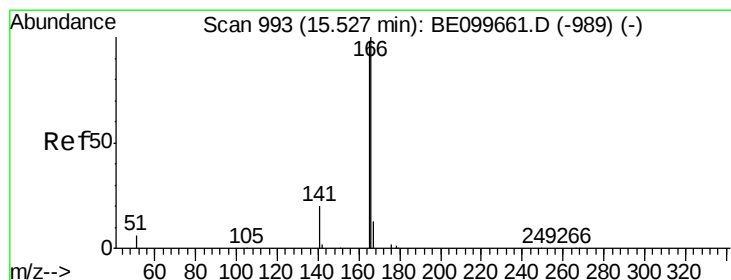
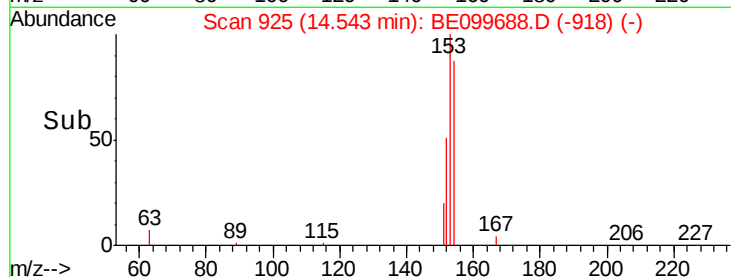
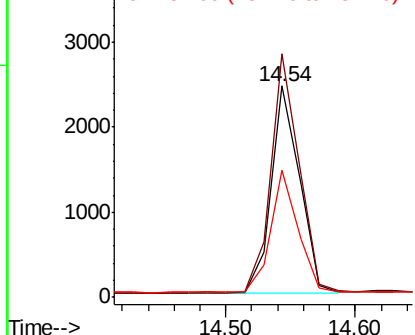
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 3685
Ion Ratio Lower Upper
154 100
153 116.0 91.8 137.6
152 57.3 46.0 69.0

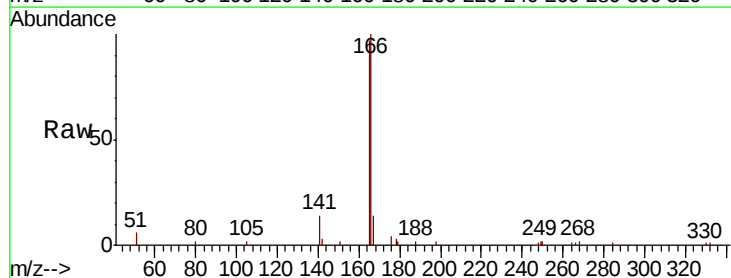


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

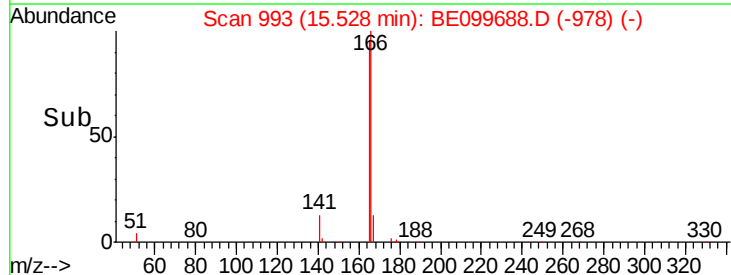
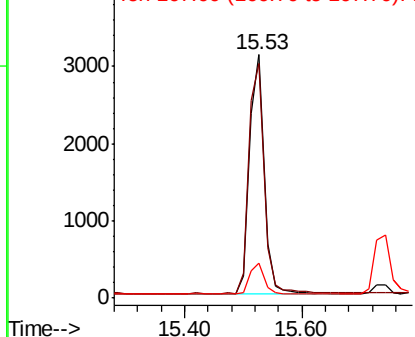


#18
Fluorene
Concen: 0.386 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:166 Resp: 5350
Ion Ratio Lower Upper
166 100
165 99.6 80.3 120.5
167 12.8 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

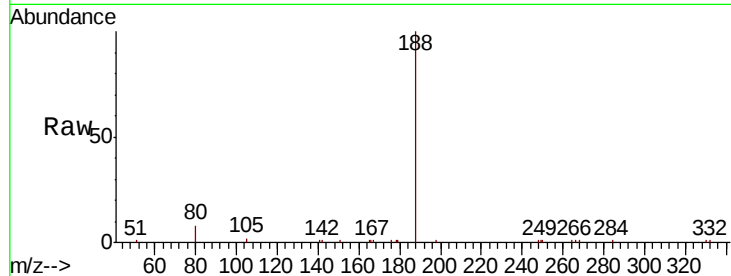




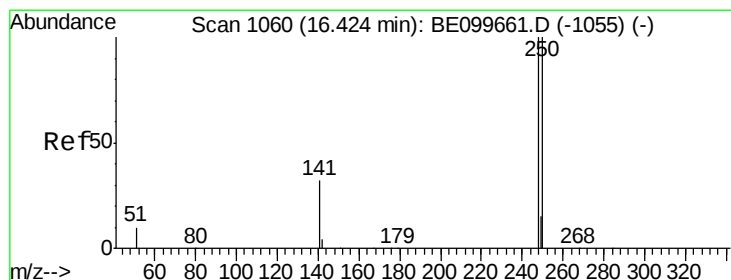
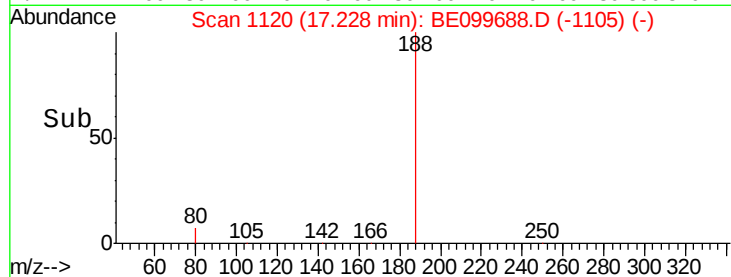
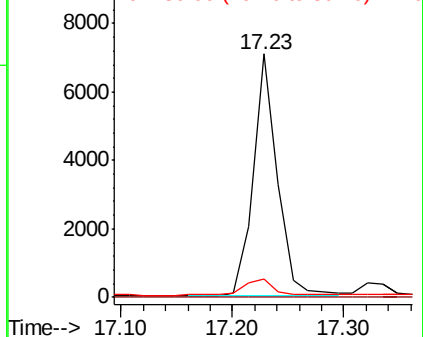
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 10559
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.5 6.7 10.1

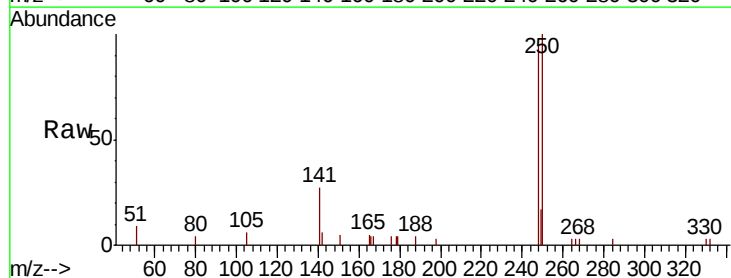


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

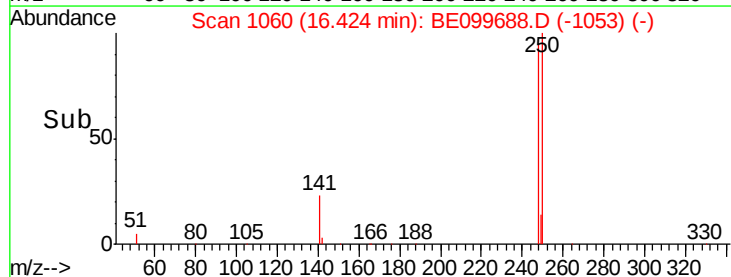
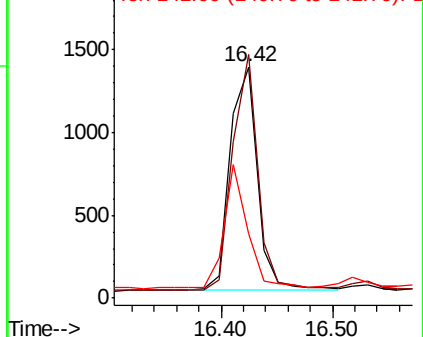


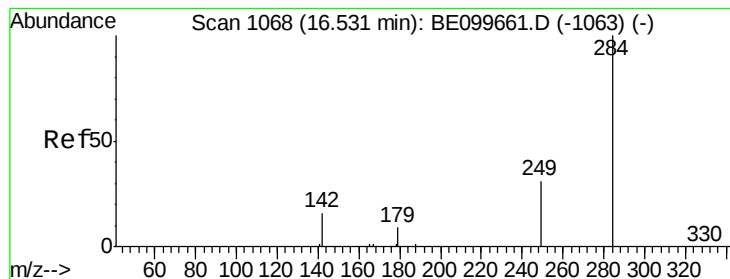
#20
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:248 Resp: 2314
Ion Ratio Lower Upper
248 100
250 105.4 79.8 119.8
141 28.1 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: 0.360 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :

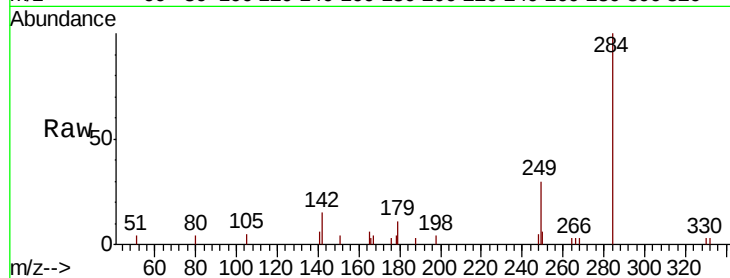
Tot Ion:284 Resp: 2242

Ion Ratio Lower Upper

284 100

142 22.5 17.8 26.6

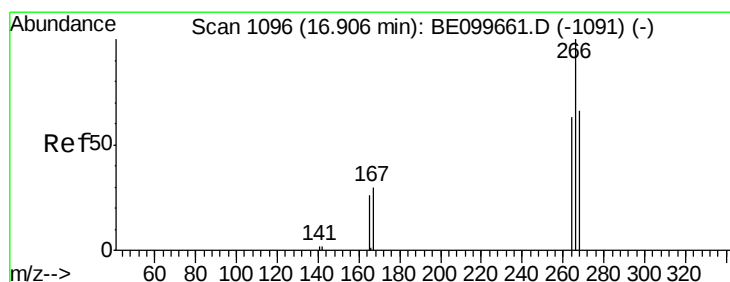
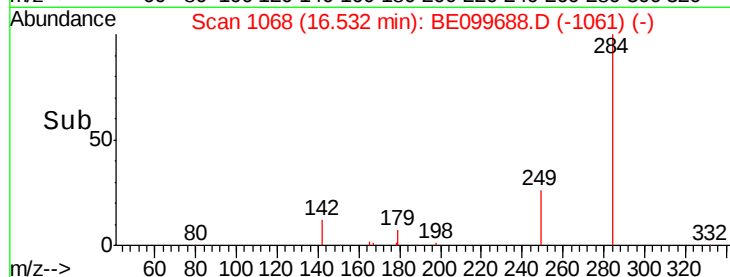
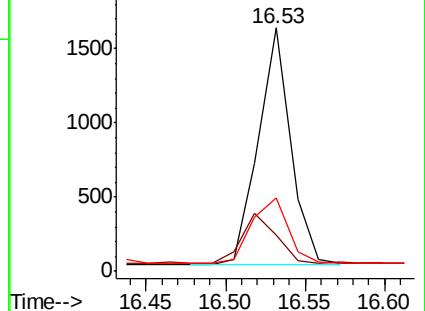
249 30.3 24.8 37.2



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: 1.179 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

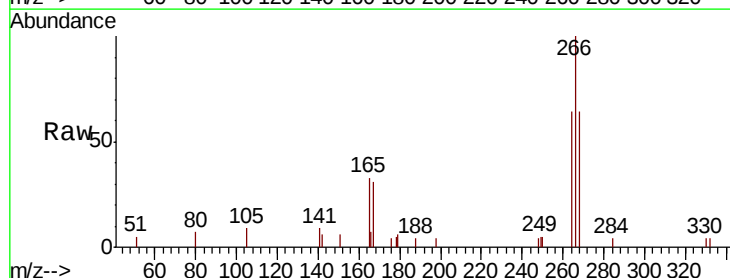
Tgt Ion:266 Resp: 2124

Ion Ratio Lower Upper

266 100

264 63.8 57.2 85.8

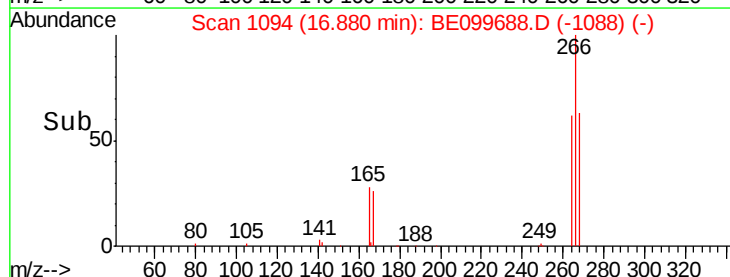
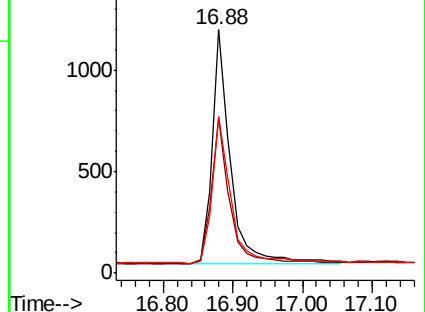
268 64.4 60.5 90.7



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: 0.398 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

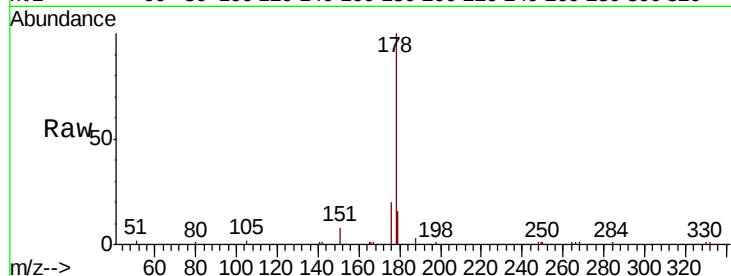
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 10273

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.1	12.2	18.4

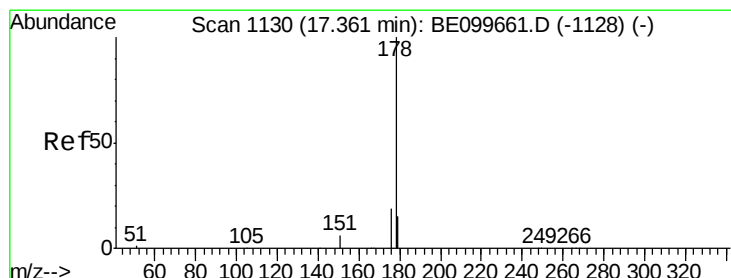
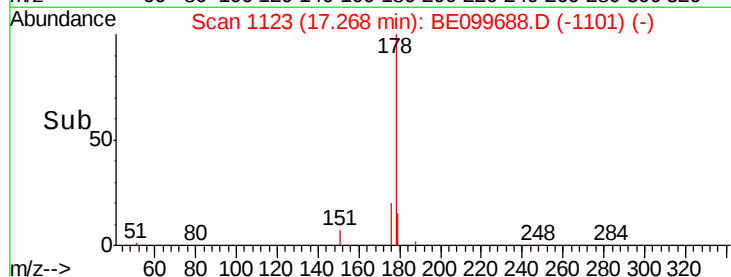
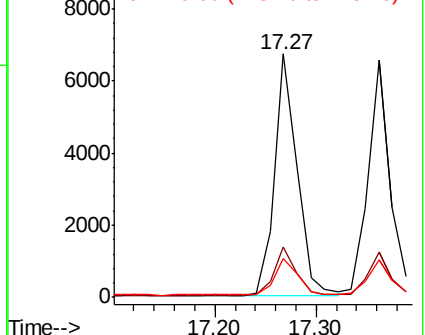


Abundance

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: 0.409 ng

RT: 17.36 min Scan# 1130

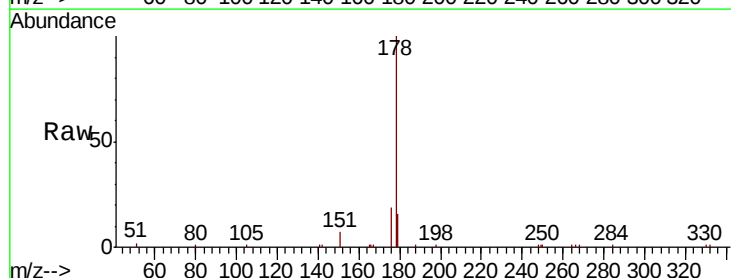
Delta R.T. 0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Tgt Ion:178 Resp: 9581

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.0	18.0

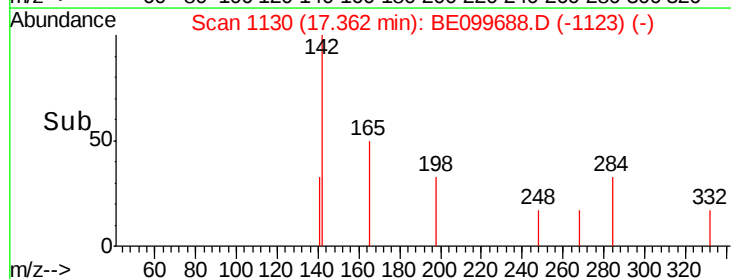
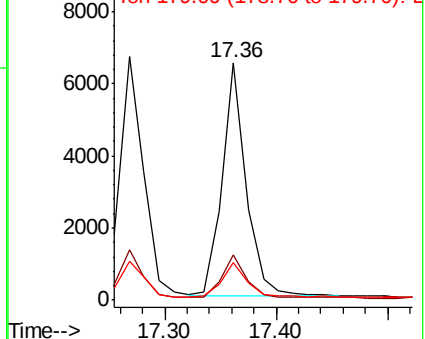


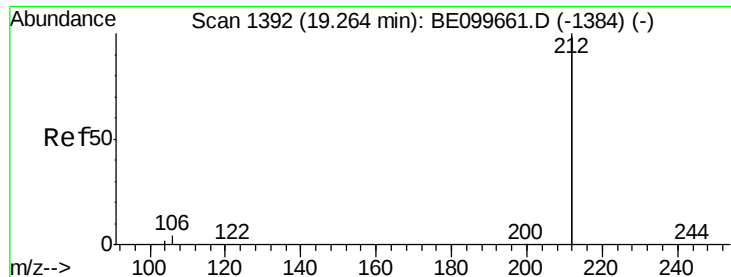
Abundance

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

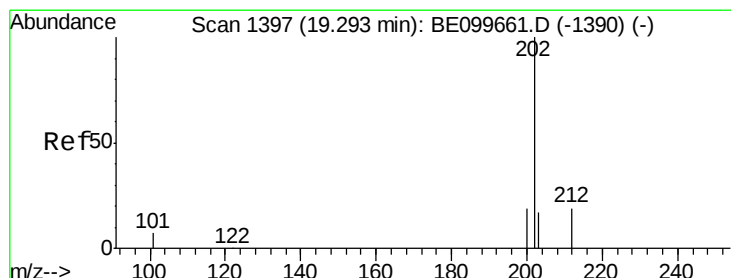
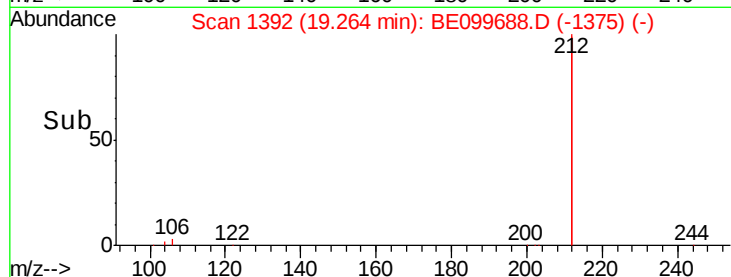
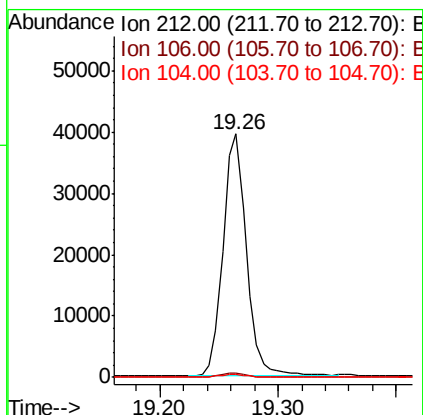
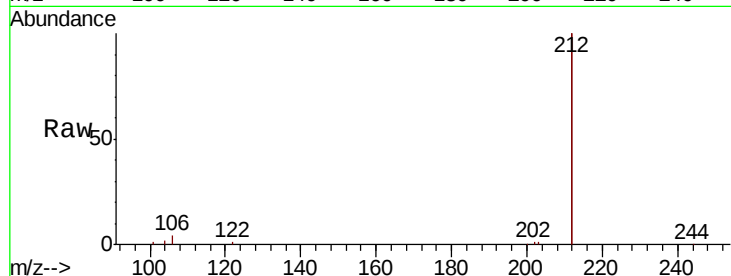




#25
Fluoranthene-d10
Concen: 0.374 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

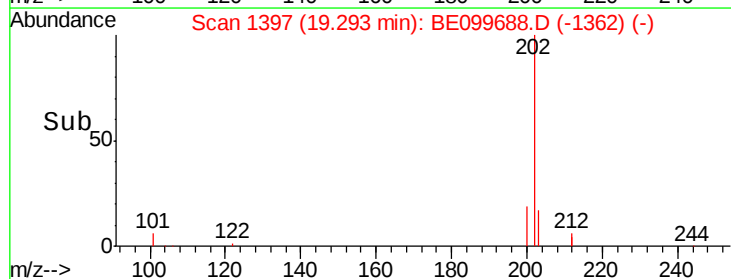
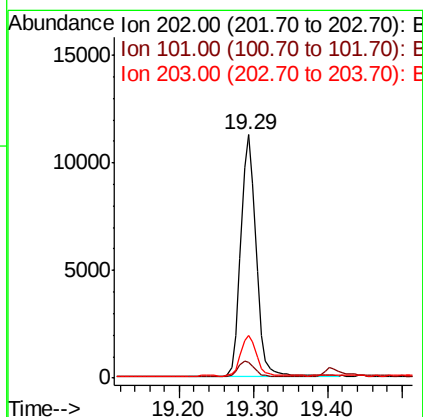
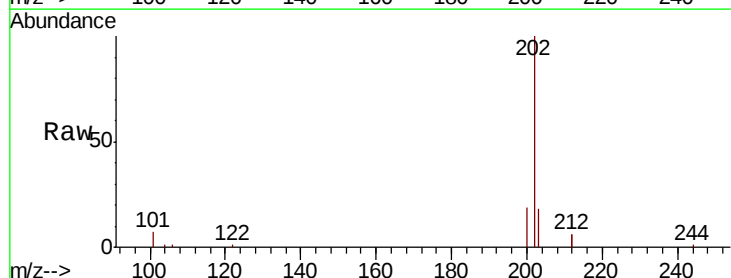
Instrument :
BNA_E
ClientSampleId :

Tot Ion:212 Resp: 53986
Ion Ratio Lower Upper
212 100
106 1.9 1.4 2.2
104 1.1 0.8 1.2



#26
Fluoranthene
Concen: 0.398 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:202 Resp: 16222
Ion Ratio Lower Upper
202 100
101 7.1 5.2 7.8
203 17.2 13.8 20.6

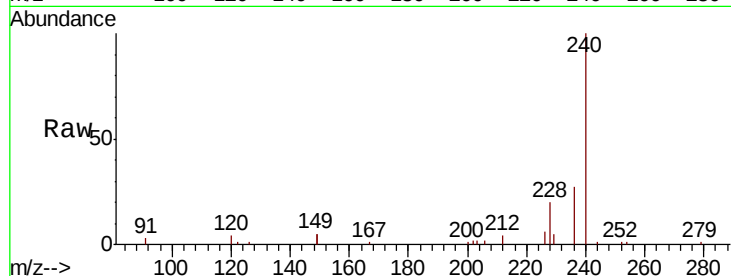




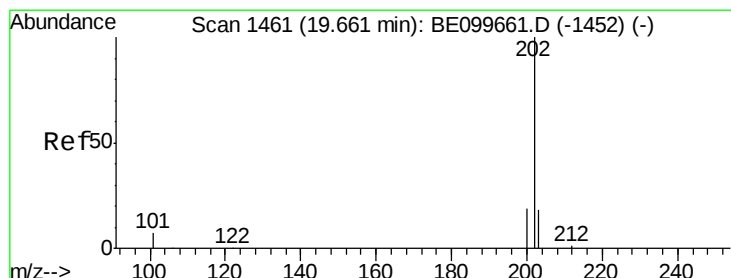
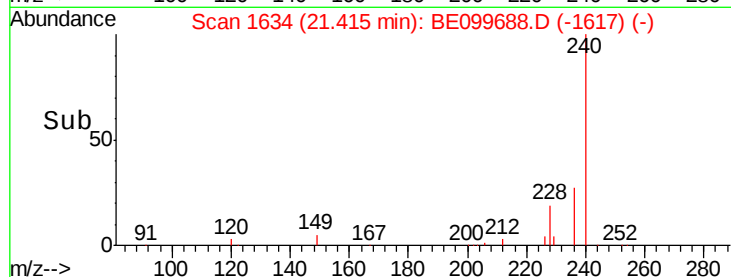
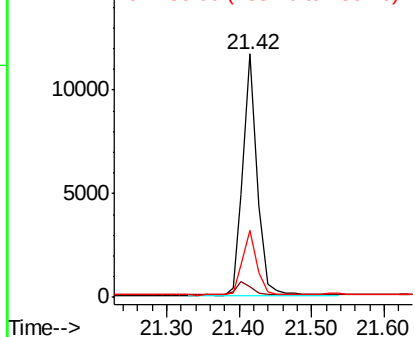
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099688.D
 Acq: 21 May 2019 13:44

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 16320
 Ion Ratio Lower Upper
 240 100
 120 4.4 5.4 8.0#
 236 27.4 21.7 32.5

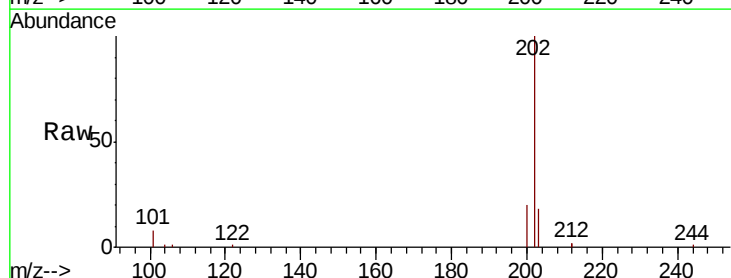


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

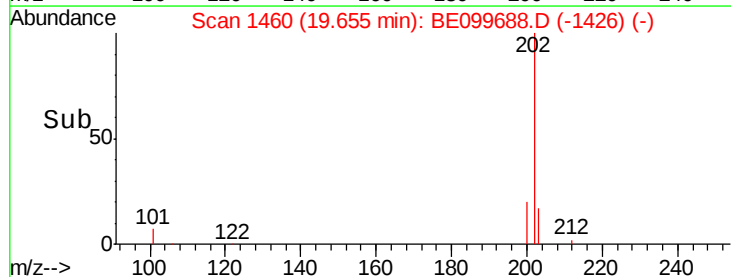
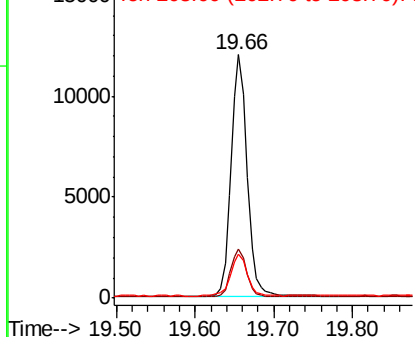


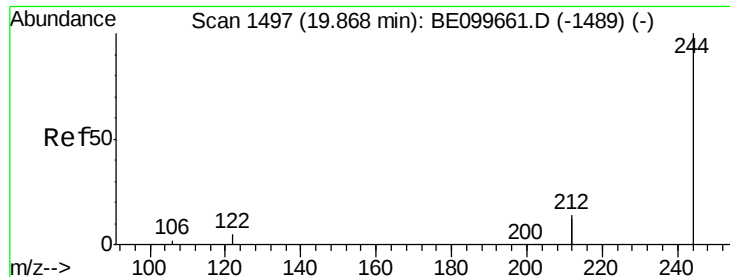
#28
 Pyrene
 Concen: 0.418 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099688.D
 Acq: 21 May 2019 13:44

Tgt Ion:202 Resp: 17150
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.4 23.2
 203 18.5 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: 0.393 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :

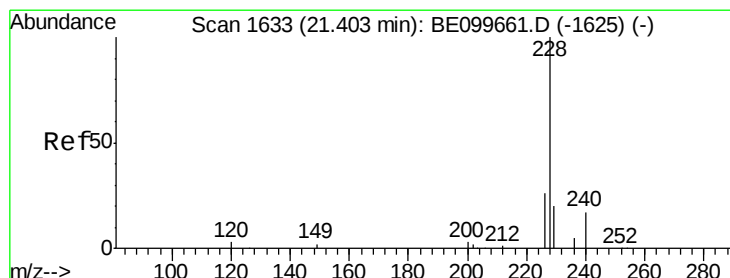
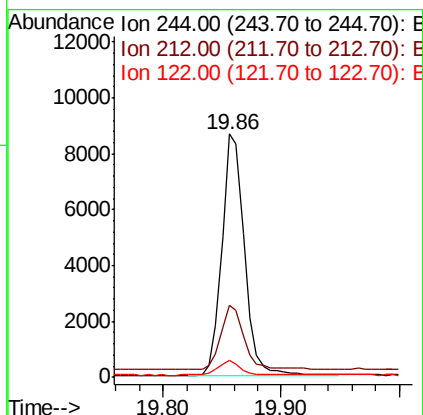
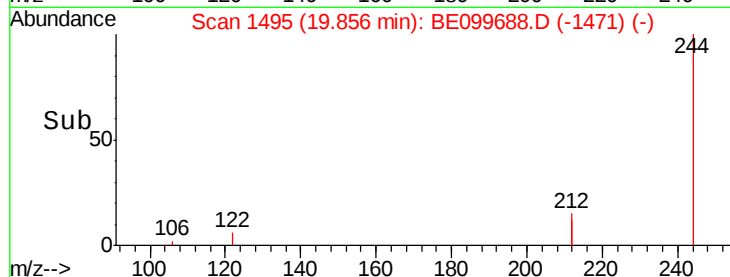
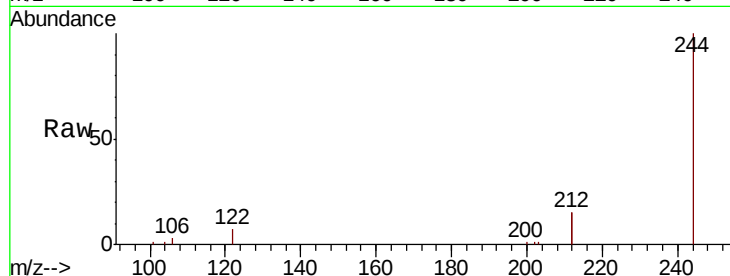
Tot Ion:244 Resp: 11449

Ion Ratio Lower Upper

244 100

212 29.9 22.5 33.7

122 6.8 4.3 6.5#



#30

Benzo(a)anthracene

Concen: 0.441 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

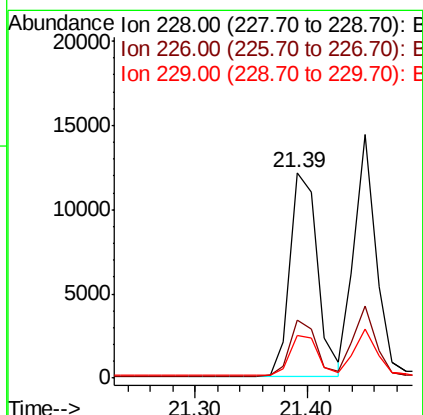
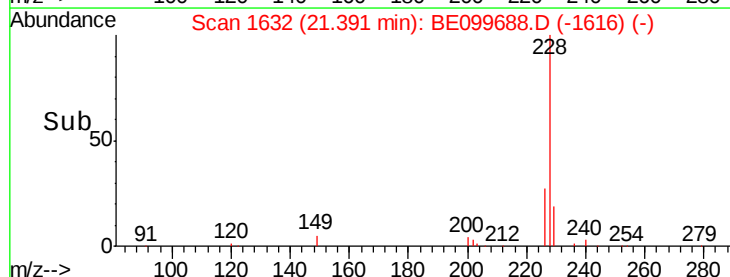
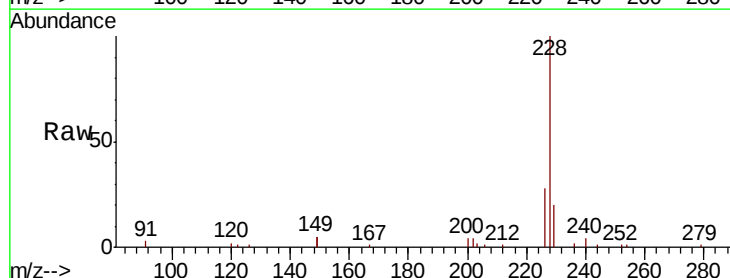
Tgt Ion:228 Resp: 20458

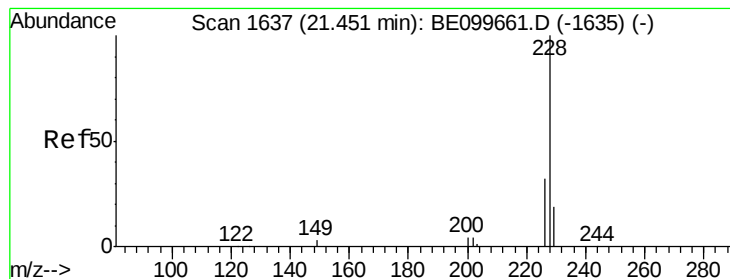
Ion Ratio Lower Upper

228 100

226 28.1 21.3 31.9

229 20.4 16.1 24.1





#31

Chrysene

Concen: 0.392 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

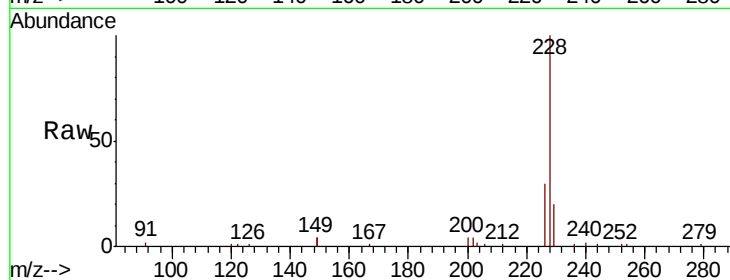
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 19418

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	20.2	15.8	23.6

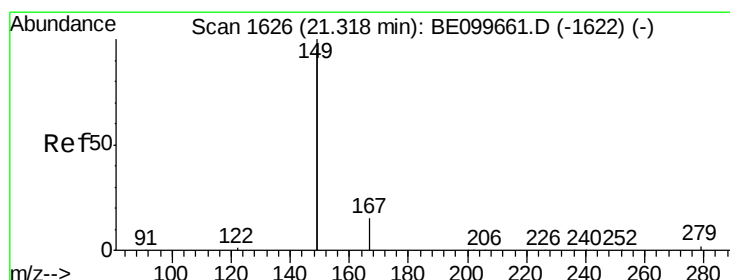
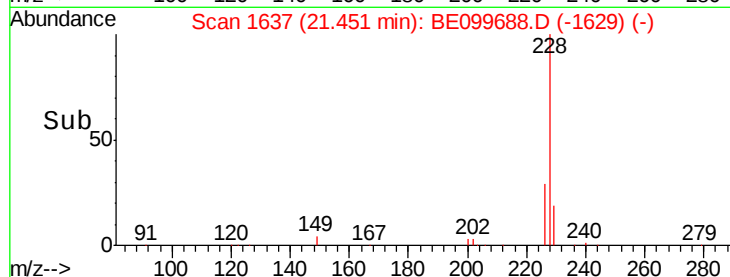
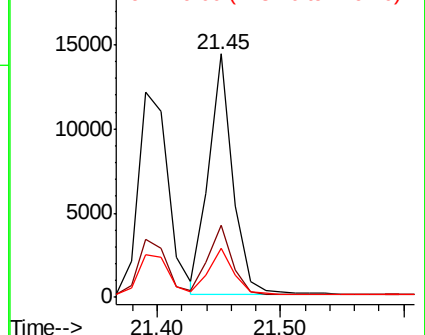


Abundance

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: 0.757 ng

RT: 21.32 min Scan# 1626

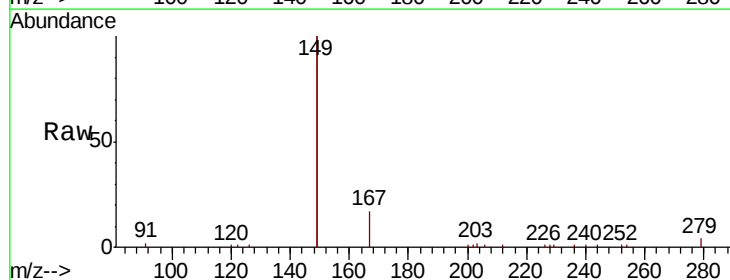
Delta R.T. 0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Tgt Ion:149 Resp: 40457

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

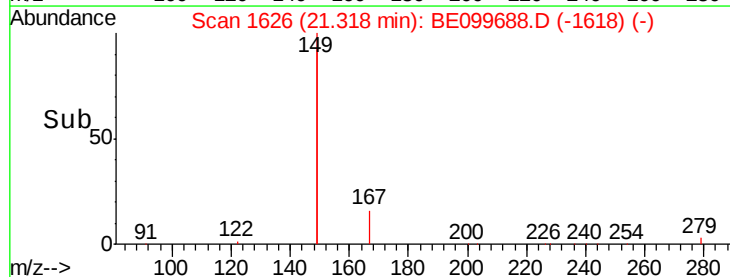
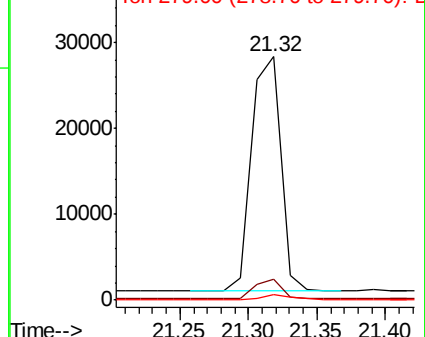


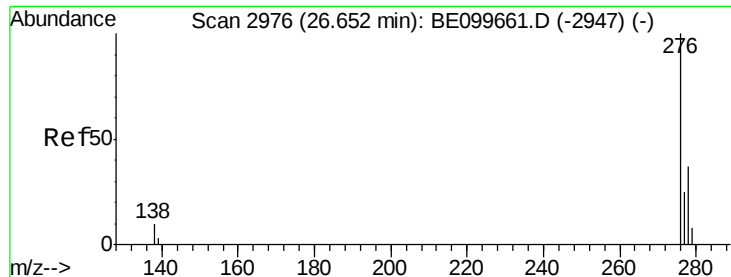
Abundance

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

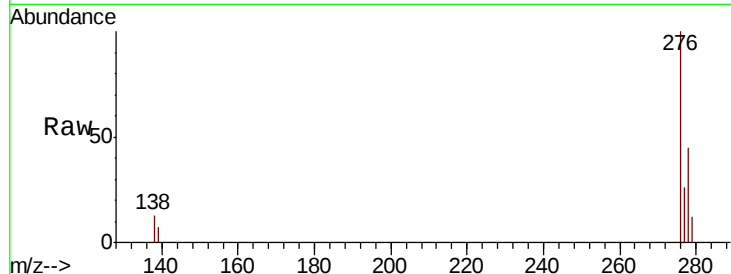




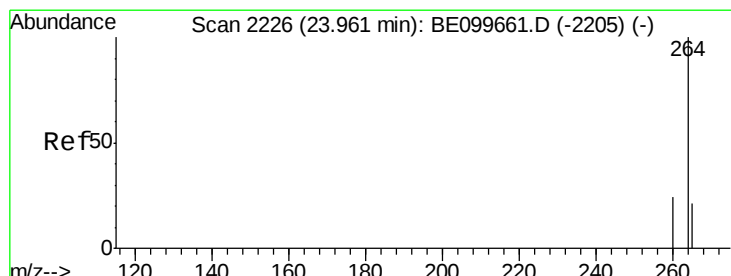
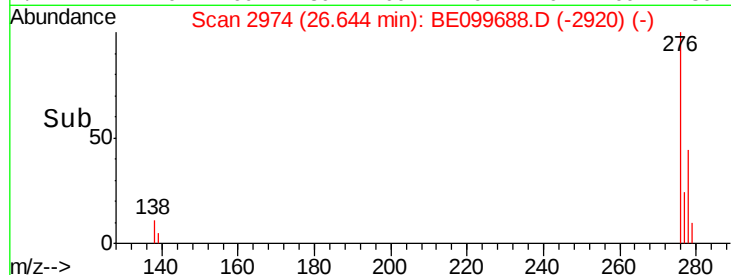
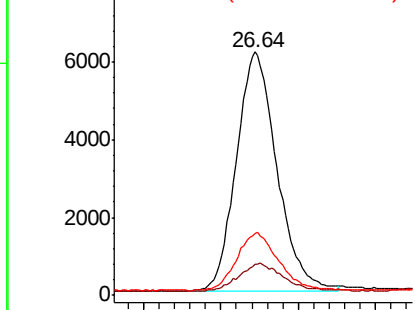
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.374 ng
 RT: 26.64 min Scan# 2974
 Delta R.T. -0.01 min
 Lab File: BE099688.D
 Acq: 21 May 2019 13:44

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 22384
 Ion Ratio Lower Upper
 276 100
 138 12.7 9.6 14.4
 277 24.1 19.2 28.8

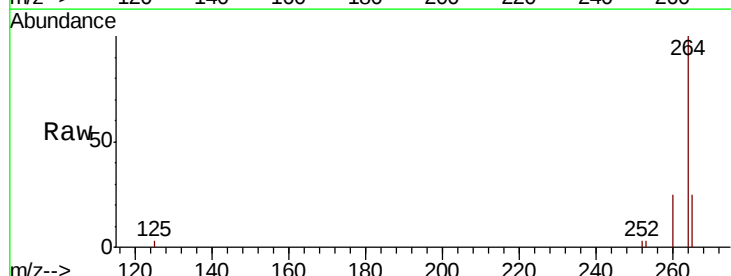


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

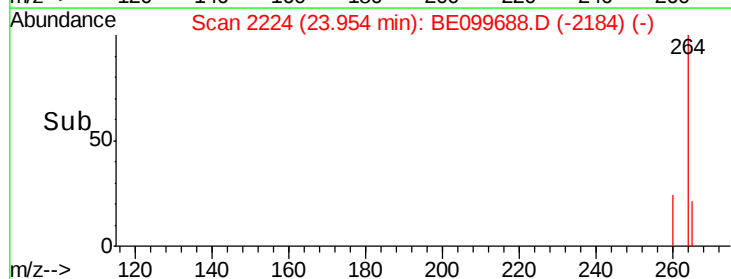
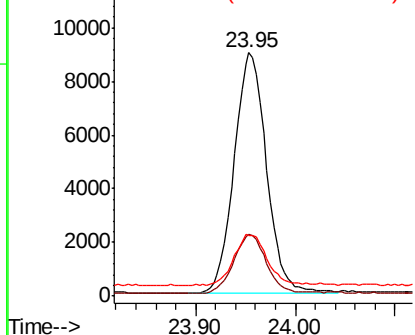


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.95 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BE099688.D
 Acq: 21 May 2019 13:44

Tgt Ion:264 Resp: 20211
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.6 29.4
 265 25.1 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: 0.353 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :

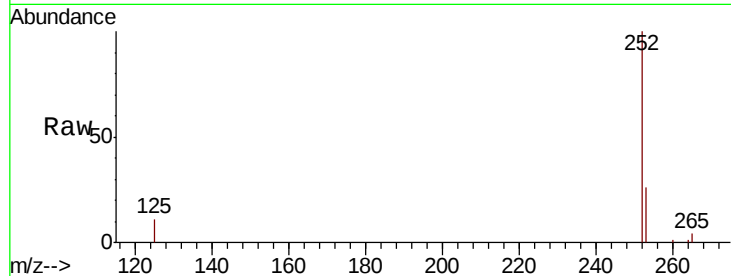
Tot Ion:252 Resp: 19546

Ion Ratio Lower Upper

252 100

253 26.1 18.2 27.4

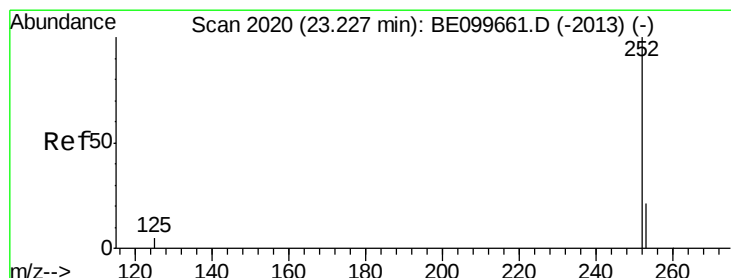
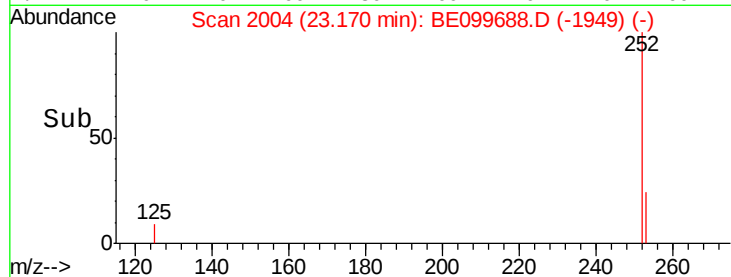
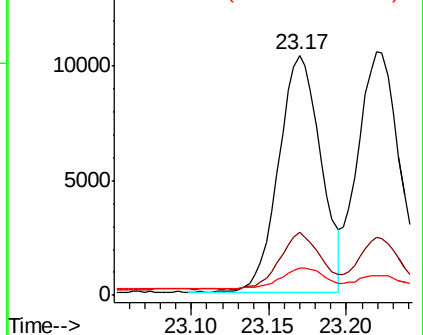
125 11.4 4.5 6.7#



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: 0.350 ng

RT: 23.22 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BE099688.D

Acq: 21 May 2019 13:44

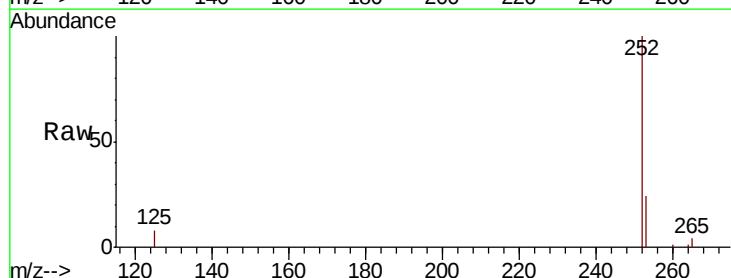
Tgt Ion:252 Resp: 20224

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

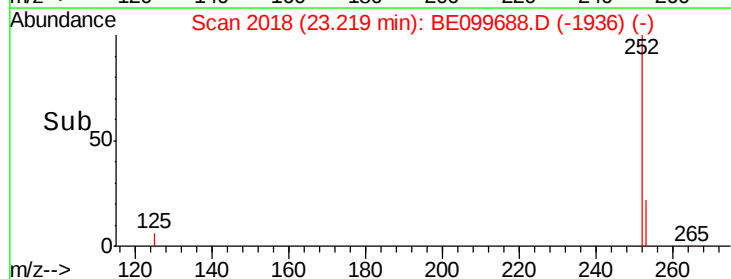
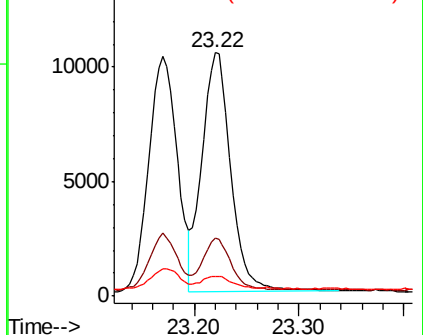
125 8.3 4.6 6.8#



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

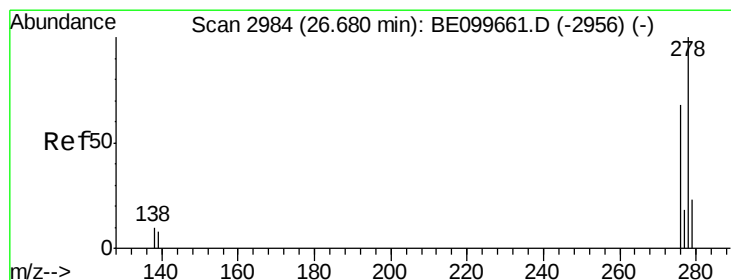
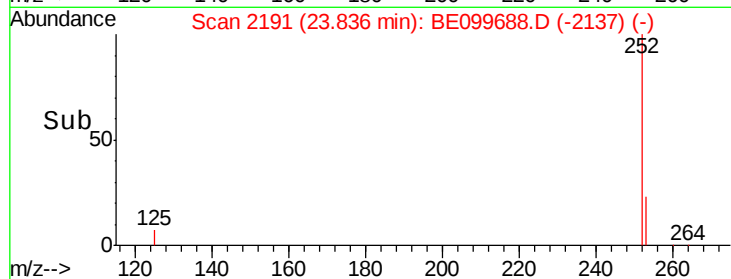
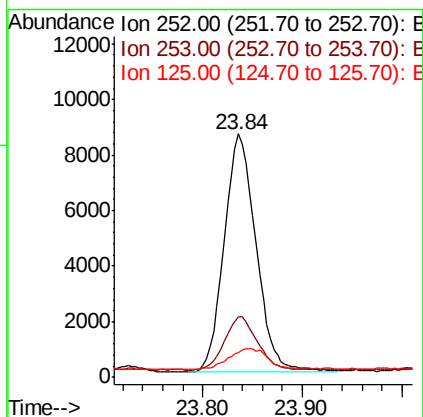
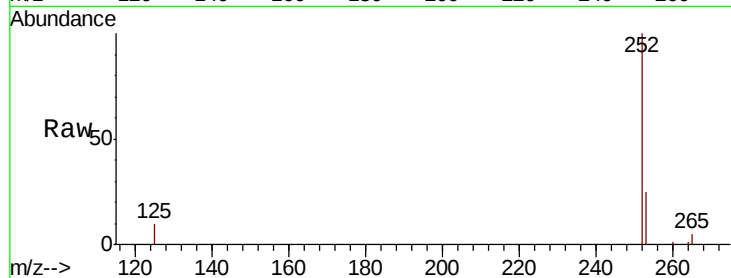




#37
Benzo(a)pyrene
Concen: 0.360 ng
RT: 23.84 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

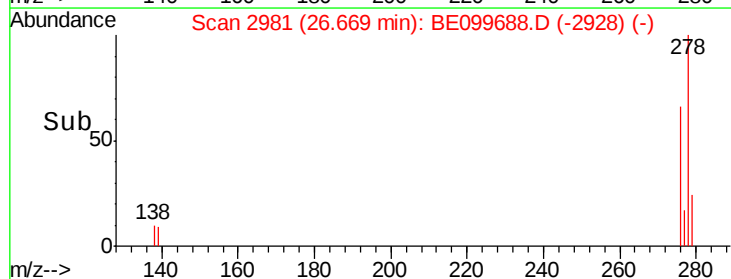
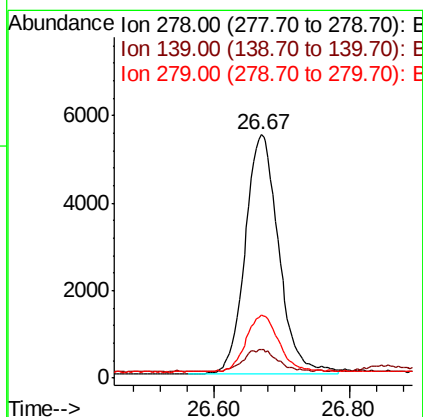
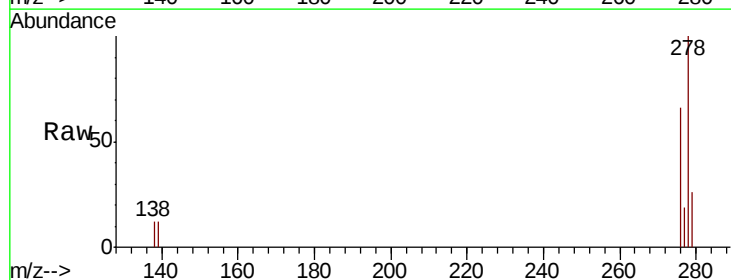
Instrument :
BNA_E
ClientSampleId :

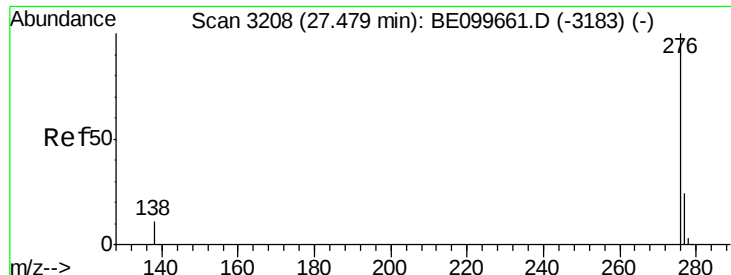
Tot Ion:252 Resp: 19194
Ion Ratio Lower Upper
252 100
253 25.0 18.9 28.3
125 10.4 5.4 8.0#



#38
Dibenzo(a,h)anthracene
Concen: 0.338 ng
RT: 26.67 min Scan# 2981
Delta R.T. -0.01 min
Lab File: BE099688.D
Acq: 21 May 2019 13:44

Tgt Ion:278 Resp: 18911
Ion Ratio Lower Upper
278 100
139 11.6 6.9 10.3#
279 25.7 19.2 28.8





#39

Benzo(a,h,i)perylene

Concen: 0.335 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

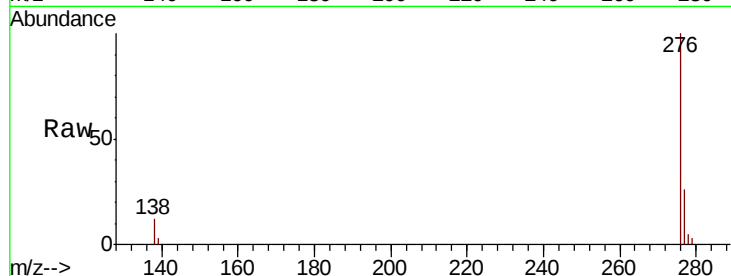
Lab File: BE099688.D

Acq: 21 May 2019 13:44

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 18930

Ion Ratio Lower Upper

276 100

277 25.6 19.8 29.6

138 11.8 9.2 13.8

