

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100224.D
 Acq On : 28 Jun 2019 2:53
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 28 05:39:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 15:40:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	1055	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	3846	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	2823	0.40	ng	-0.01
19) Phenanthrene-d10	17.07	188	7968	0.40	ng	-0.03
27) Chrysene-d12	21.26	240	9516	0.40	ng	-0.02
34) Perylene-d12	23.68	264	11154	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	1151	0.49	ng	-0.01
5) Phenol-d6	6.84	99	1522	0.47	ng	-0.03
8) Nitrobenzene-d5	8.82	82	1491	0.39	ng	-0.03
11) 2-Methylnaphthalene-d10	12.05	152	3009	0.42	ng	-0.03
14) 2,4,6-Tribromophenol	15.82	330	765	0.47	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	4521	0.40	ng	-0.03
25) Fluoranthene-d10	19.10	212	44362	0.39	ng	-0.03
29) Terphenyl-d14	19.70	244	9081	0.49	ng	-0.03

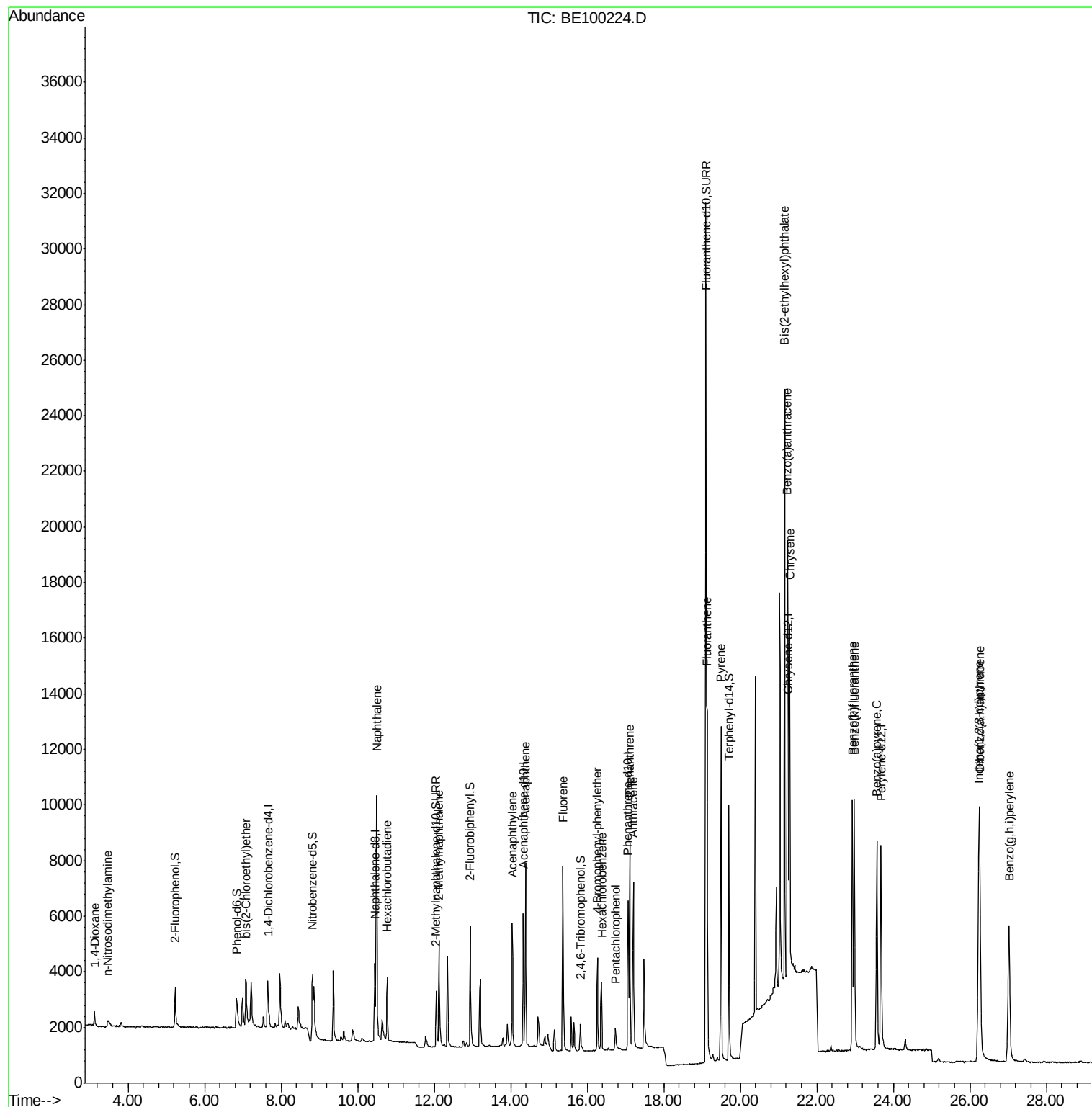
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	533	0.323	ng	# 88
3) n-Nitrosodimethylamine	3.47	42	289	0.473	ng	# 24
6) bis(2-Chloroethyl)ether	7.09	93	1097	0.371	ng	# 81
9) Naphthalene	10.50	128	17053	0.406	ng	# 96
10) Hexachlorobutadiene	10.77	225	1674	0.386	ng	100
12) 2-Methylnaphthalene	12.12	142	2877	0.426	ng	96
16) Acenaphthylene	14.04	152	5767	0.419	ng	99
17) Acenaphthene	14.38	154	3142	0.407	ng	97
18) Fluorene	15.37	166	4504	0.404	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	2105	0.426	ng	# 88
21) Hexachlorobenzene	16.37	284	2221	0.409	ng	98
22) Pentachlorophenol	16.73	266	731	0.671	ng	85
23) Phenanthrene	17.11	178	7814	0.414	ng	99
24) Anthracene	17.20	178	7224	0.453	ng	98
26) Fluoranthene	19.13	202	11695	0.381	ng	99
28) Pyrene	19.50	202	11882	0.488	ng	99
30) Benzo(a)anthracene	21.23	228	12929	0.461	ng	97
31) Chrysene	21.29	228	13272	0.403	ng	98
32) Bis(2-ethylhexyl)phthalate	21.16	149	21053	0.653	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	15686	0.335	ng	# 95
35) Benzo(b)fluoranthene	22.93	252	12939	0.431	ng	98
36) Benzo(k)fluoranthene	22.98	252	12933	0.360	ng	98
37) Benzo(a)pyrene	23.57	252	12295	0.396	ng	97
38) Dibenzo(a,h)anthracene	26.26	278	12655	0.381	ng	98
39) Benzo(g,h,i)perylene	27.02	276	13142	0.379	ng	98

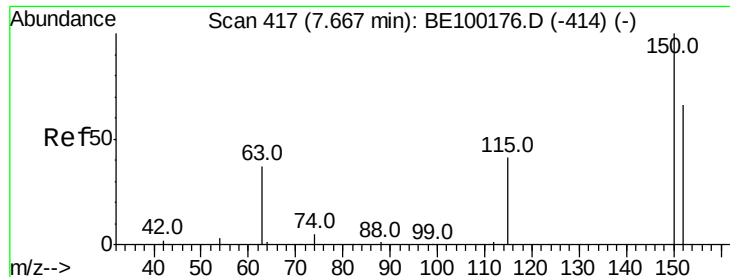
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100224.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 28 05:39:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M
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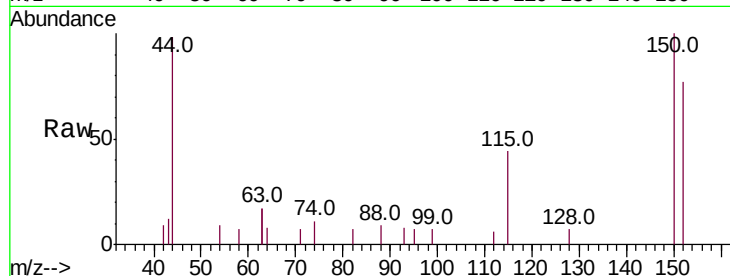


#1

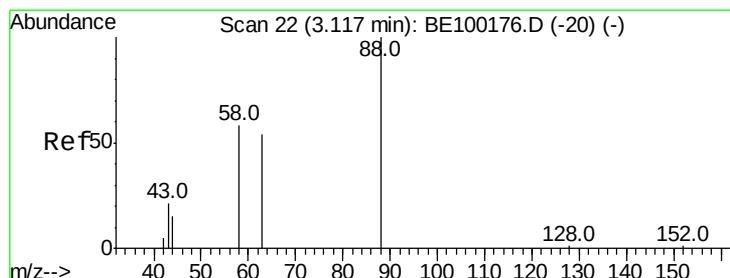
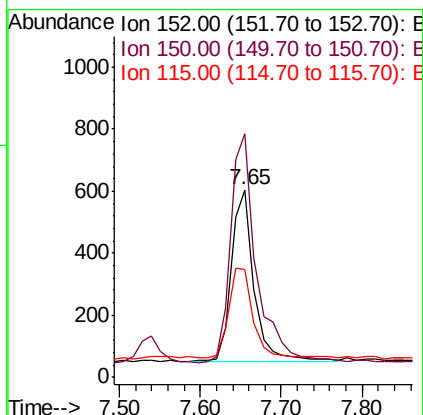
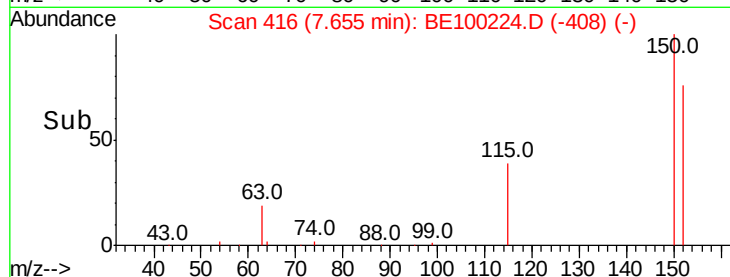
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.01 min
Lab File: BE100224.D
Acq: 28 Jun 2019 2:53

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1055
Ion Ratio Lower Upper
152 100
150 130.0 113.4 170.2
115 57.5 55.8 83.6



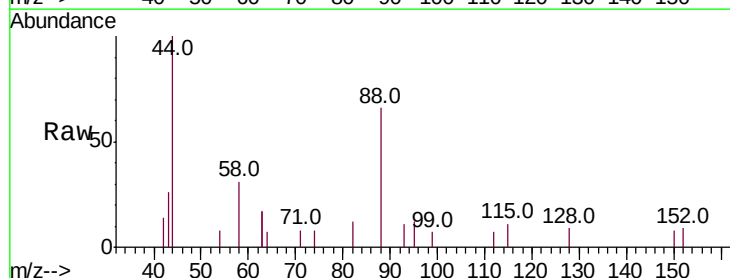
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



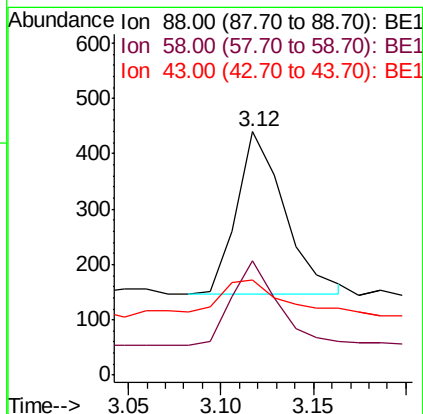
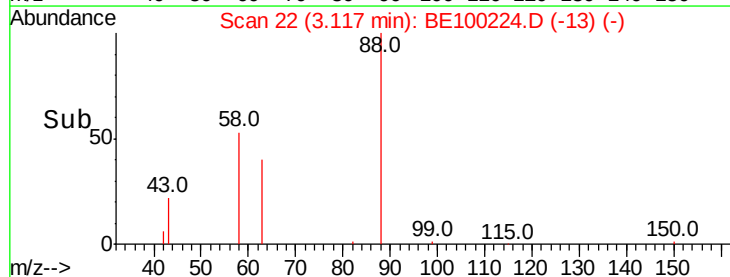
#2

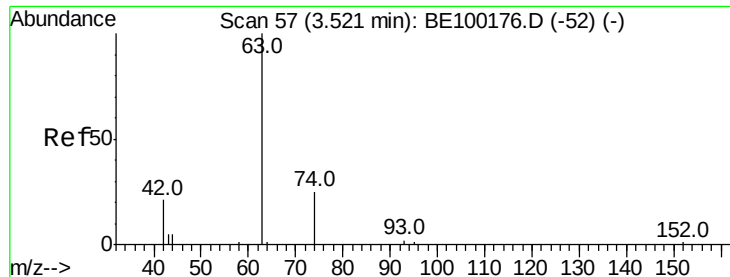
1,4-Dioxane
Concen: 0.323 ng
RT: 3.12 min Scan# 22
Delta R.T. -0.00 min
Lab File: BE100224.D
Acq: 28 Jun 2019 2:53

Tgt Ion: 88 Resp: 533
Ion Ratio Lower Upper
88 100
58 49.9 43.8 65.6
43 36.0 19.4 29.2#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.473 ng

RT: 3.47 min Scan# 53

Delta R.T. -0.05 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

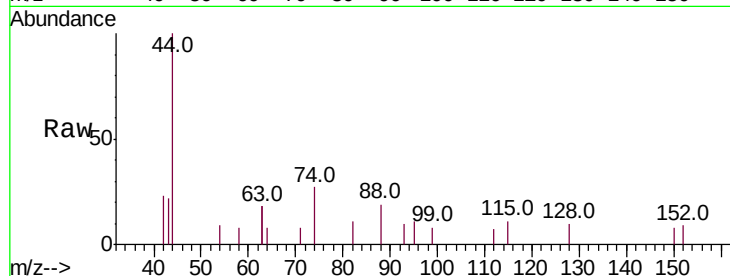
Tot Ion: 42 Resp: 289

Ion Ratio Lower Upper

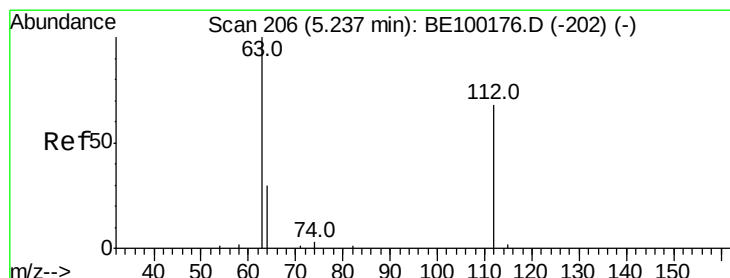
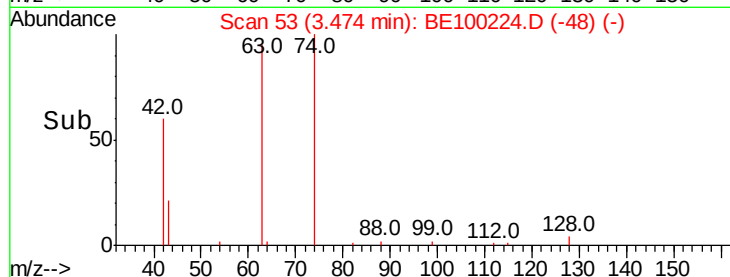
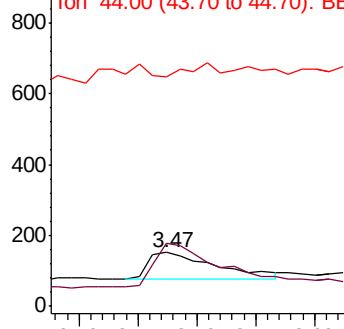
42 100

74 153.3 193.2 289.8#

44 0.0 114.5 171.7#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.491 ng

RT: 5.22 min Scan# 205

Delta R.T. -0.01 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

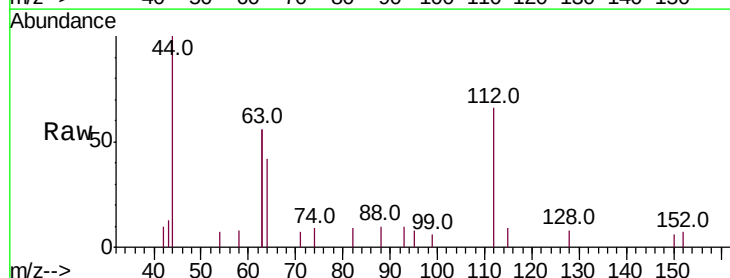
Tgt Ion: 112 Resp: 1151

Ion Ratio Lower Upper

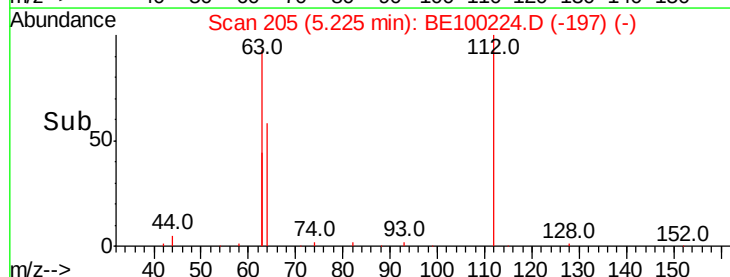
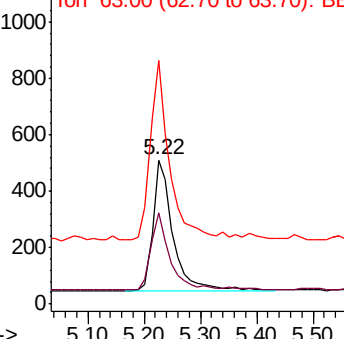
112 100

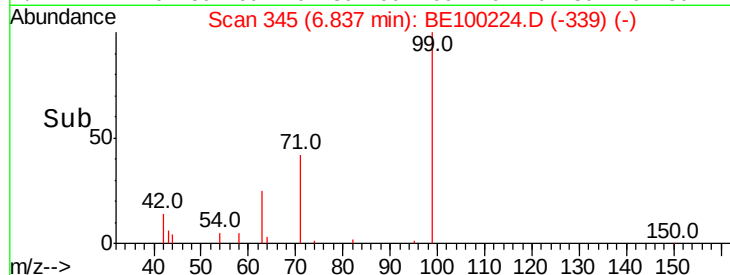
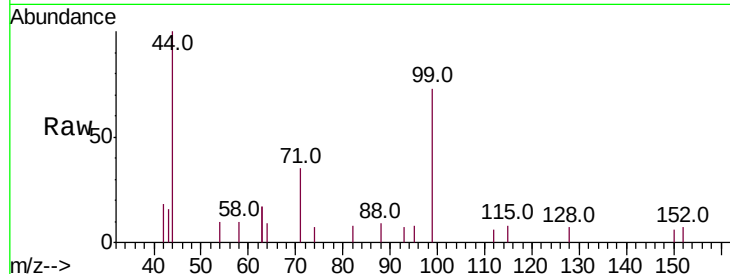
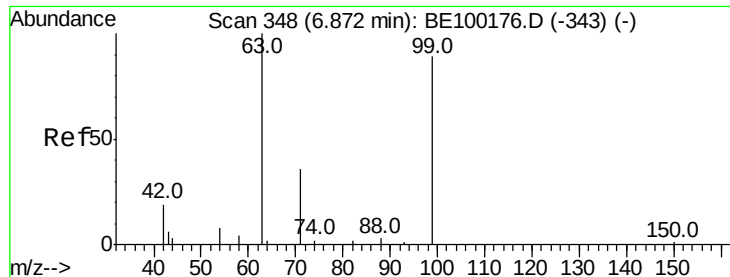
64 54.0 40.7 61.1

63 124.5 93.2 139.8



Abundance Ion 112.00 (111.70 to 112.70): BE1
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.472 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

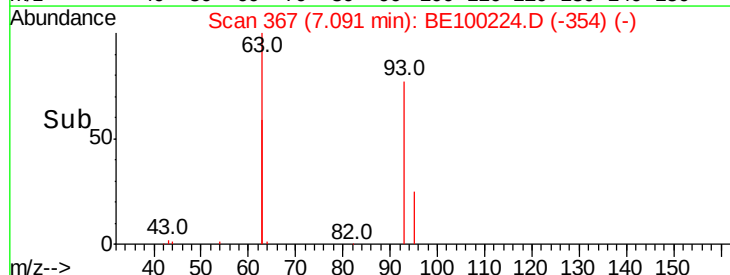
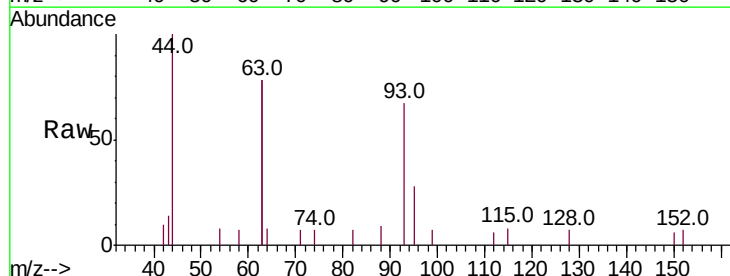
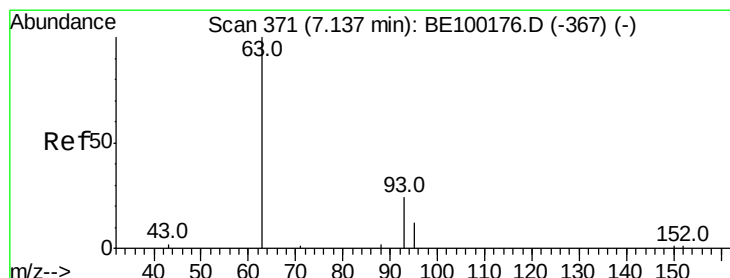
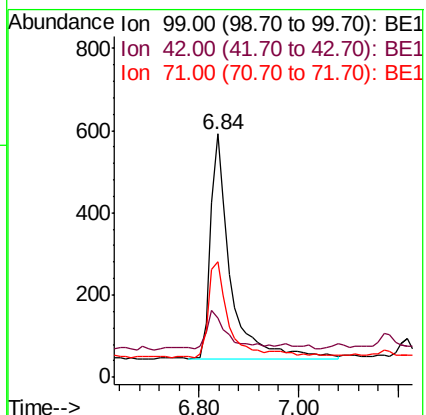
Tot Ion: 99 Resp: 1522

Ion Ratio Lower Upper

99 100

42 17.1 10.4 15.6#

71 40.3 32.4 48.6



#6

bis(2-Chloroethyl)ether

Concen: 0.371 ng

RT: 7.09 min Scan# 367

Delta R.T. -0.05 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

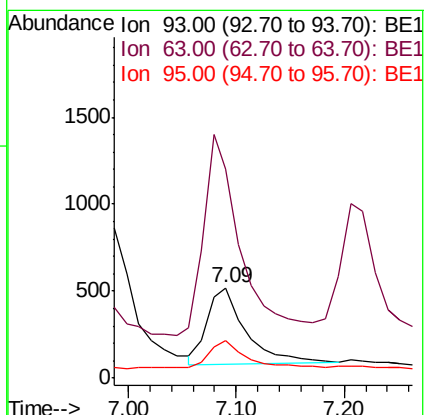
Tgt Ion: 93 Resp: 1097

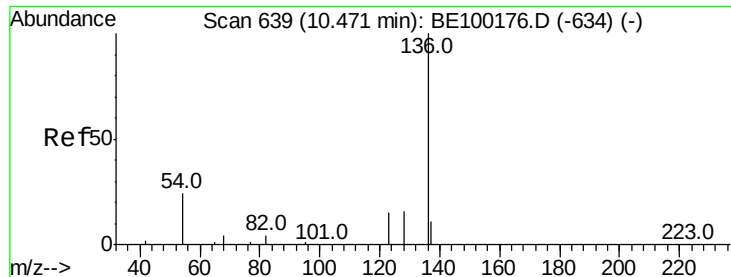
Ion Ratio Lower Upper

93 100

63 249.7 0.0 0.0#

95 35.8 21.0 31.6#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 637

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 136 Resp: 3846

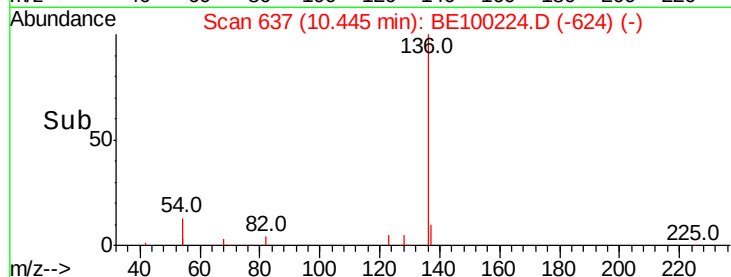
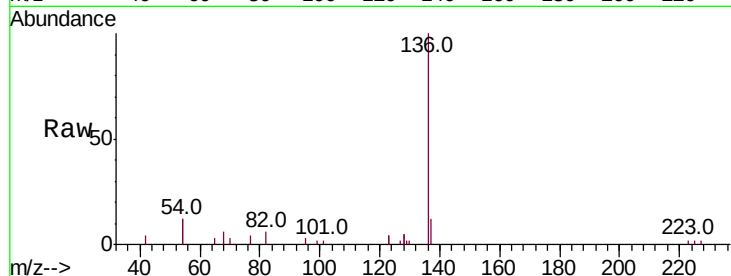
Ion Ratio Lower Upper

136 100

137 12.4 13.8 20.8#

54 24.7 35.4 53.2#

68 5.9 8.8 13.2#

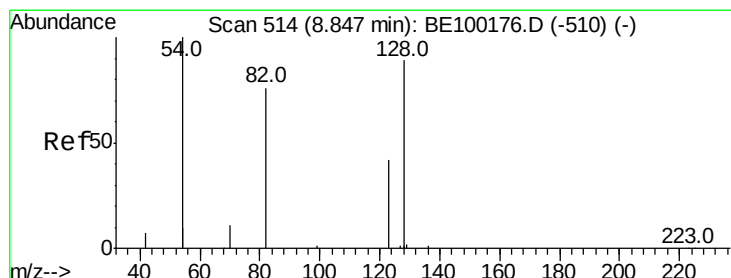
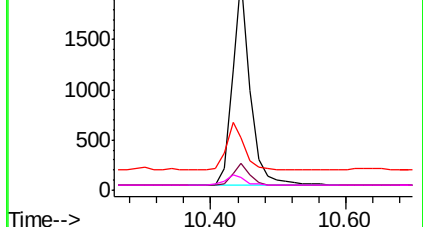


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

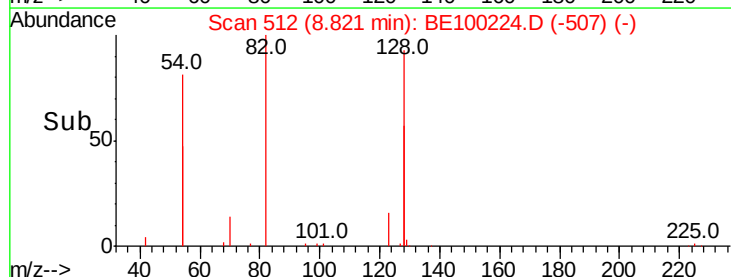
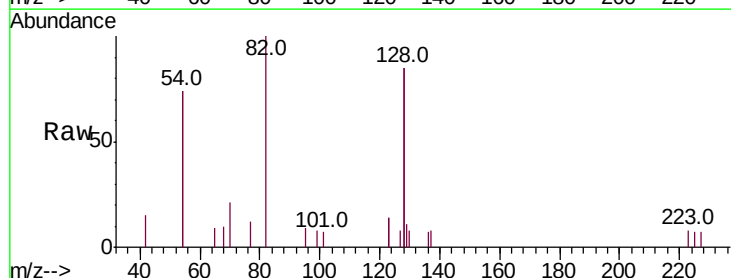
Tgt Ion: 82 Resp: 1491

Ion Ratio Lower Upper

82 100

128 169.8 144.6 217.0

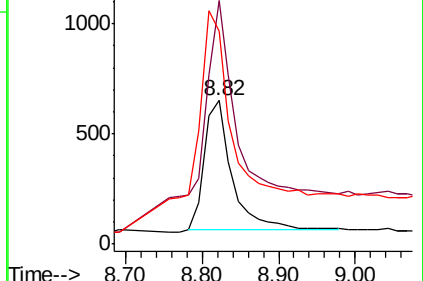
54 148.3 163.0 244.6#

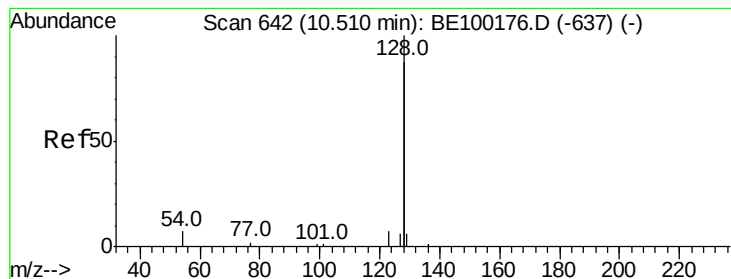


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.406 ng

RT: 10.50 min Scan# 641

Delta R.T. -0.01 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

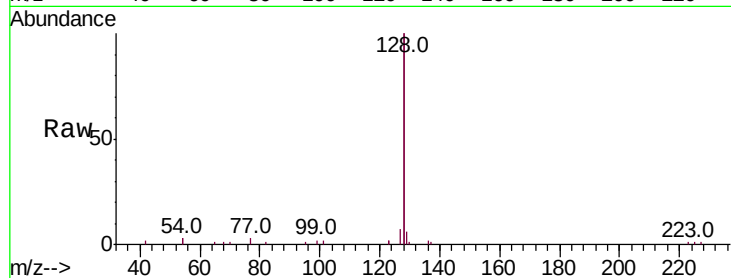
Tot Ion:128 Resp: 17053

Ion Ratio Lower Upper

128 100

129 3.2 3.6 5.4#

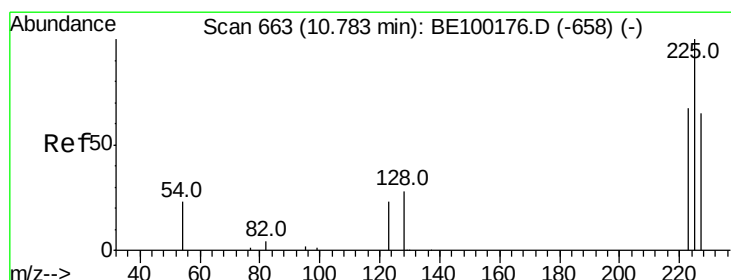
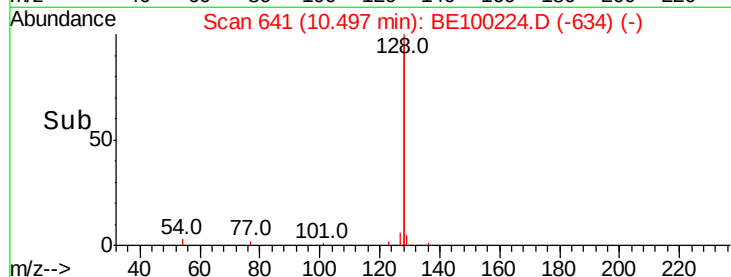
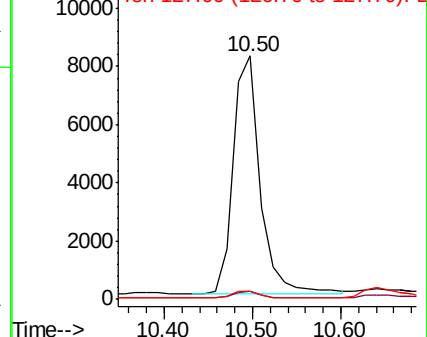
127 3.6 3.8 5.8#



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: 0.386 ng

RT: 10.77 min Scan# 662

Delta R.T. -0.01 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

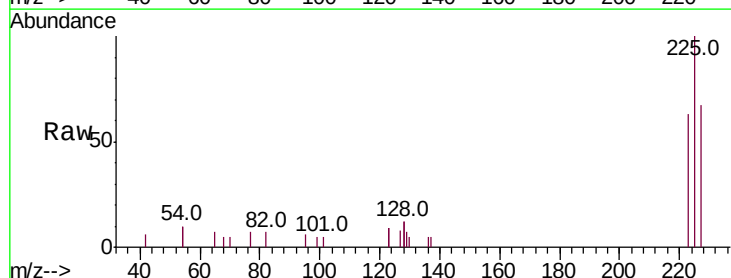
Tgt Ion:225 Resp: 1674

Ion Ratio Lower Upper

225 100

223 62.5 50.1 75.1

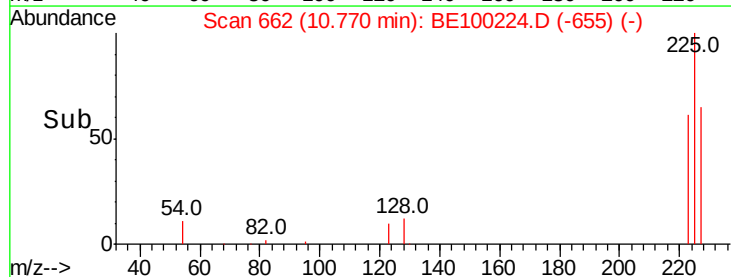
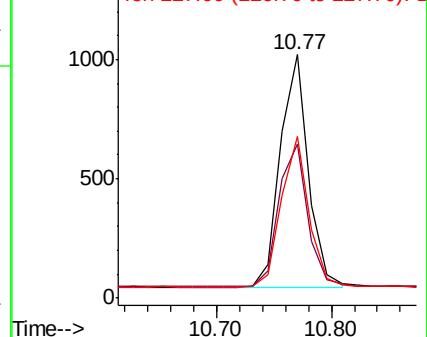
227 63.4 50.9 76.3

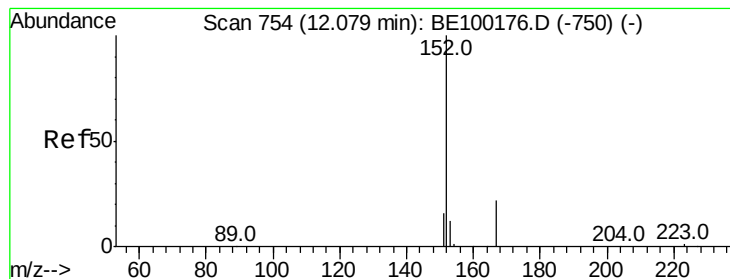


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.417 ng

RT: 12.05 min Scan# 752

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

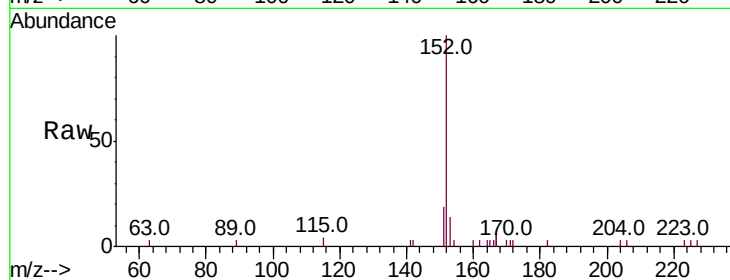
ClientSampleId :

Tot Ion:152 Resp: 3009

Ion Ratio Lower Upper

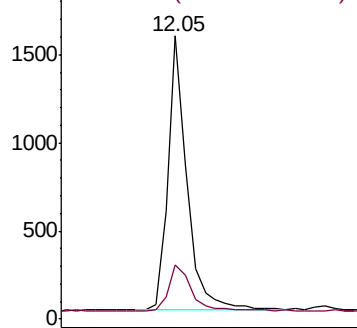
152 100

151 20.7 16.3 24.5

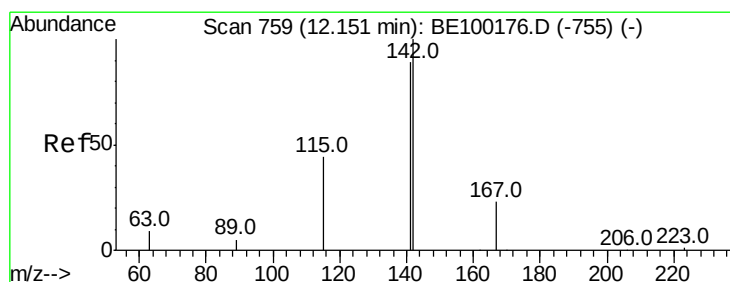
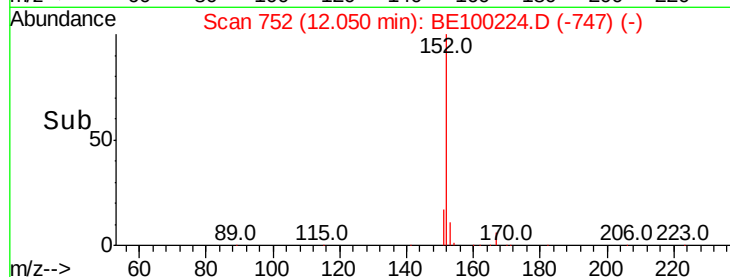


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time--> 11.90 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.426 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

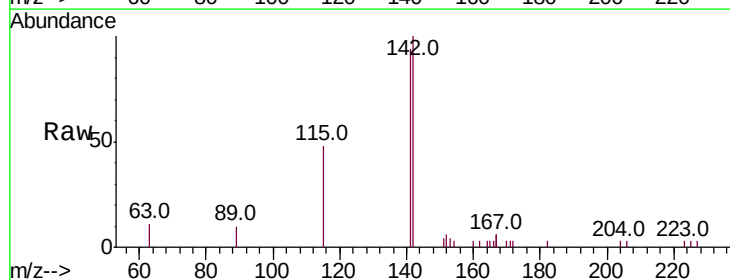
Tgt Ion:142 Resp: 2877

Ion Ratio Lower Upper

142 100

141 93.7 71.8 107.8

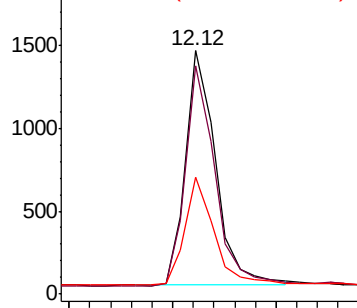
115 48.2 40.4 60.6



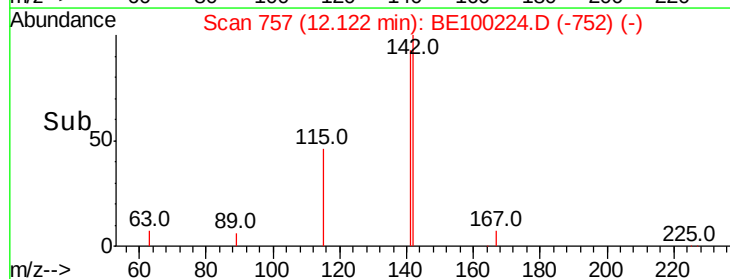
Abundance Ion 142.00 (141.70 to 142.70): E

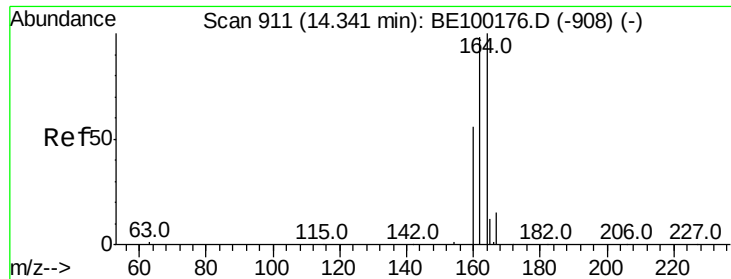
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time--> 12.00 12.10 12.20

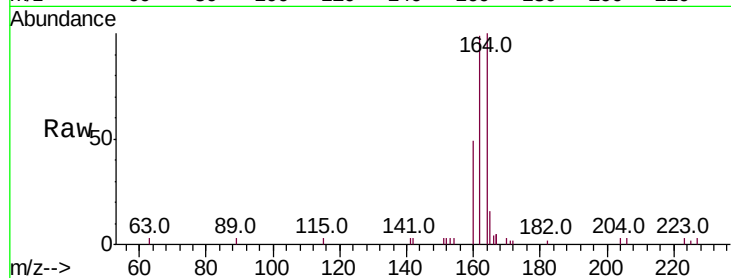




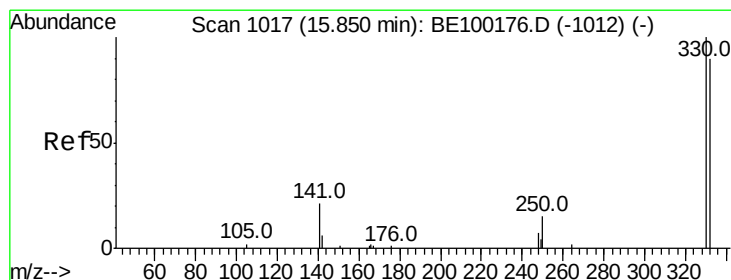
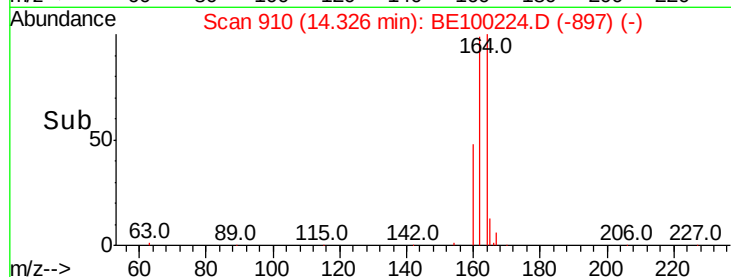
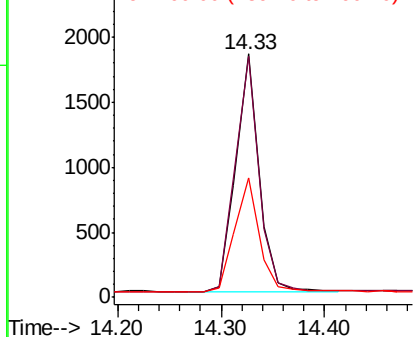
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BE100224.D
 Acq: 28 Jun 2019 2:53

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 2823
 Ion Ratio Lower Upper
 164 100
 162 98.9 78.6 118.0
 160 48.9 46.9 70.3

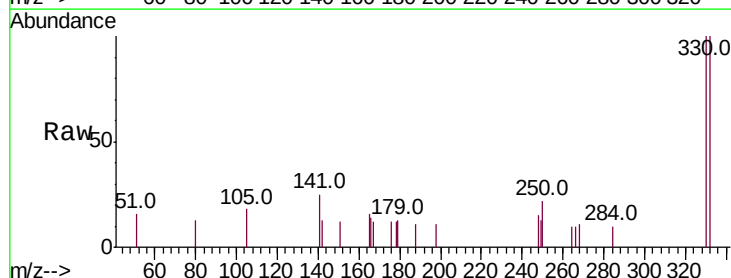


Abundance Ion 164.00 (163.70 to 164.70): E
 2500 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

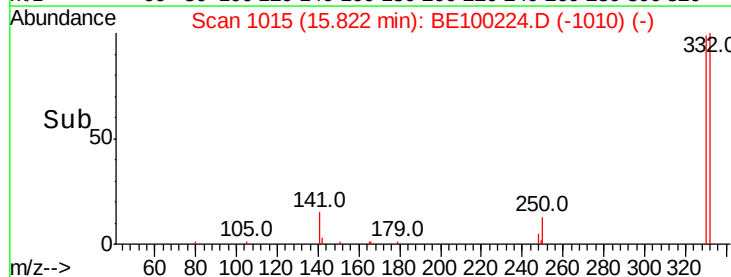
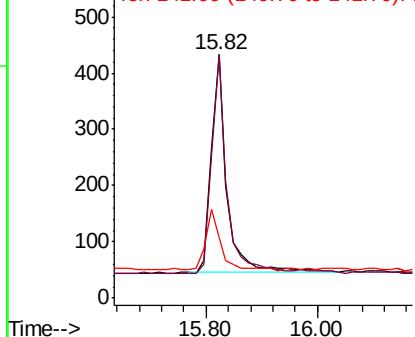


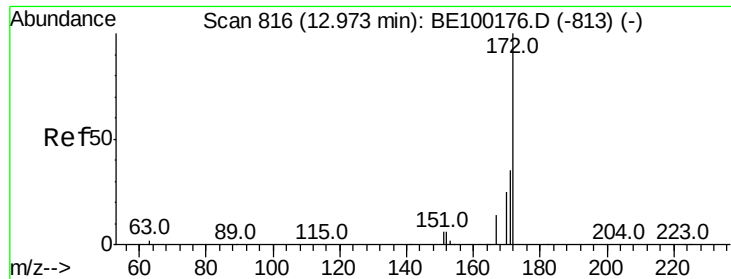
#14
 2,4,6-Tribromophenol
 Concen: 0.468 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.03 min
 Lab File: BE100224.D
 Acq: 28 Jun 2019 2:53

Tgt Ion:330 Resp: 765
 Ion Ratio Lower Upper
 330 100
 332 100.8 77.7 116.5
 141 27.5 18.9 28.3



Abundance Ion 330.00 (329.70 to 330.70): E
 600 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

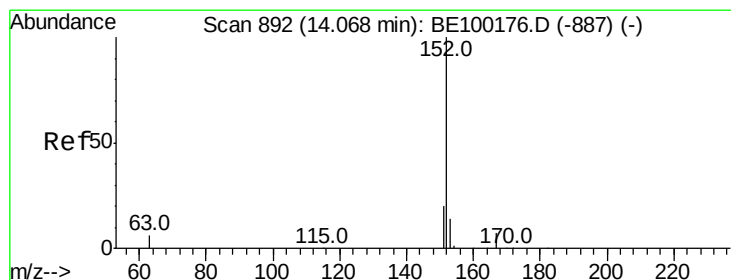
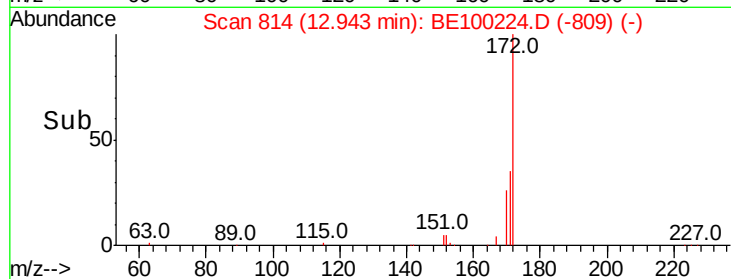
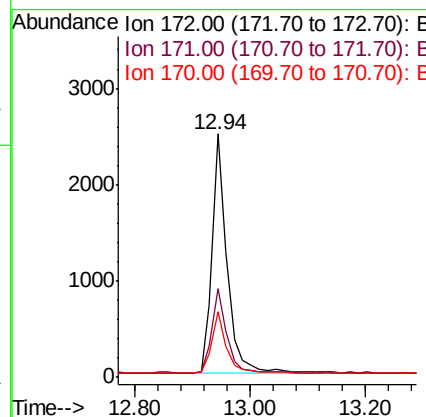
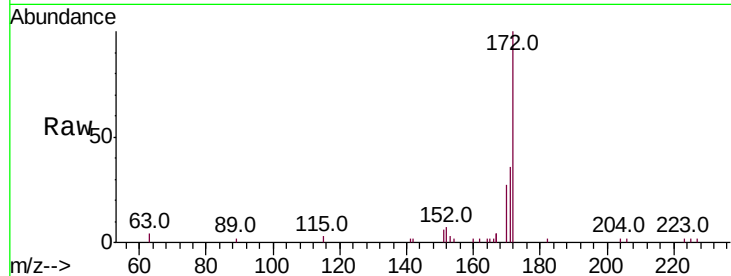




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.03 min
Lab File: BE100224.D
Acq: 28 Jun 2019 2:53

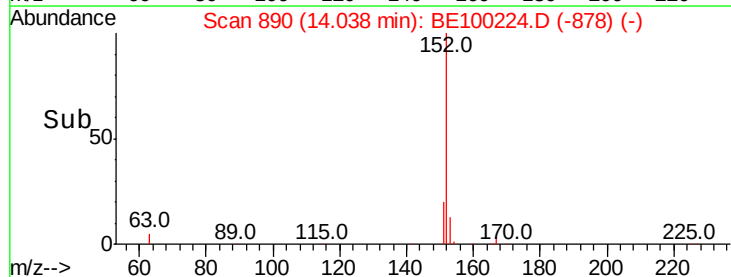
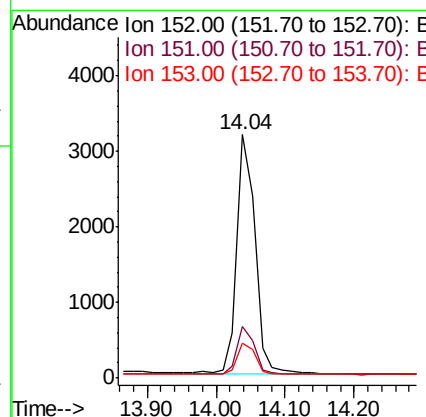
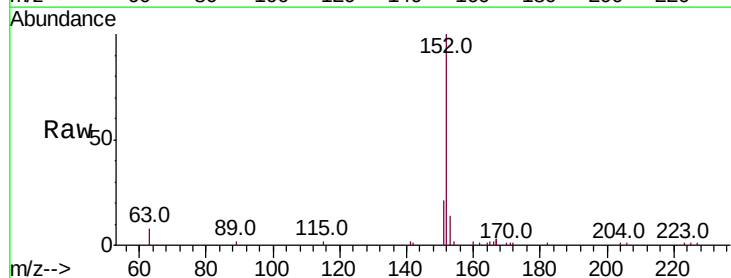
Instrument :
BNA_E
ClientSampleId :

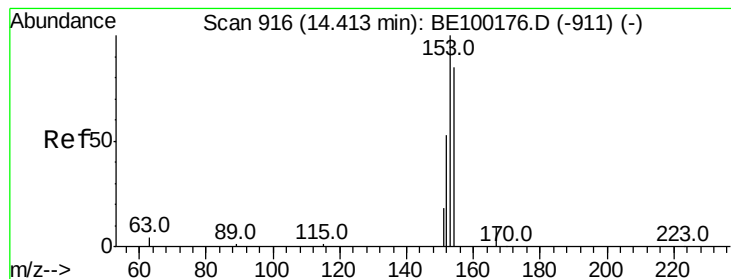
Tot Ion:172 Resp: 4521
Ion Ratio Lower Upper
172 100
171 36.4 31.0 46.4
170 27.1 23.9 35.9



#16
Acenaphthylene
Concen: 0.419 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.03 min
Lab File: BE100224.D
Acq: 28 Jun 2019 2:53

Tgt Ion:152 Resp: 5767
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.0
153 13.1 10.8 16.2





#17

Acenaphthene

Concen: 0.407 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

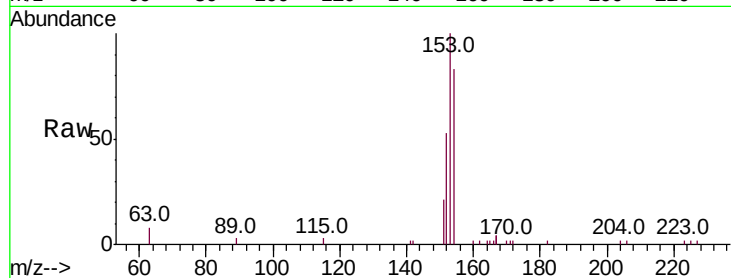
Tot Ion:154 Resp: 3142

Ion Ratio Lower Upper

154 100

153 118.5 95.3 142.9

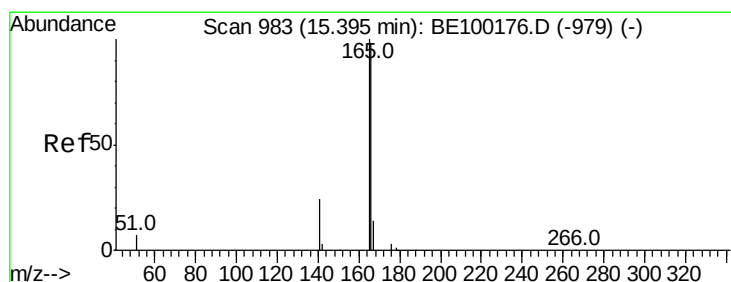
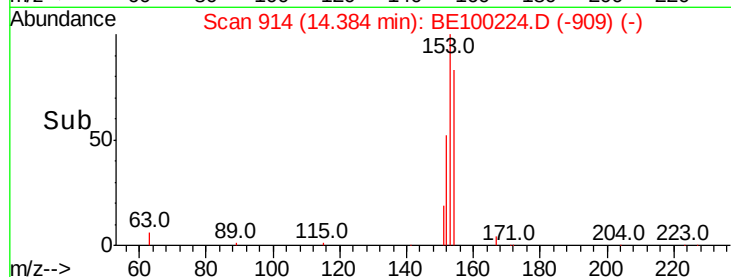
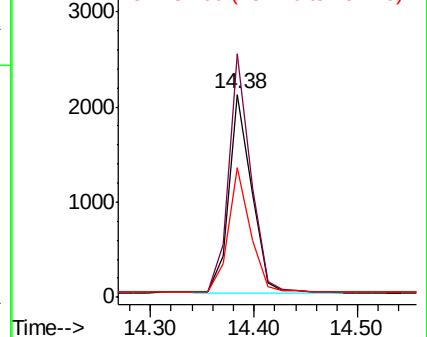
152 60.9 52.9 79.3



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: 0.404 ng

RT: 15.37 min Scan# 981

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

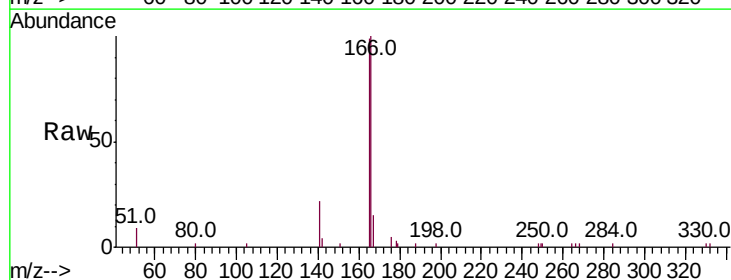
Tgt Ion:166 Resp: 4504

Ion Ratio Lower Upper

166 100

165 102.5 81.0 121.4

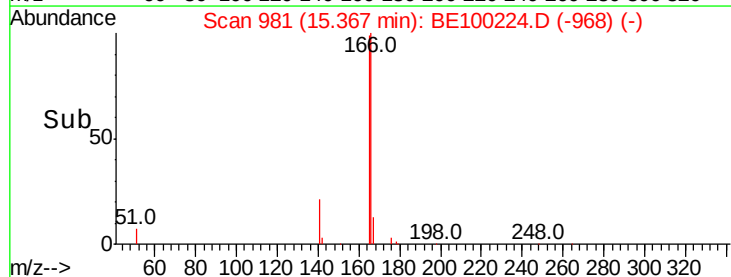
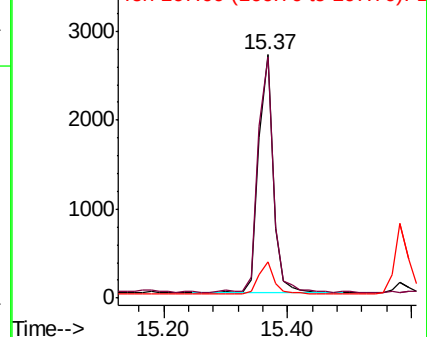
167 13.7 11.4 17.0

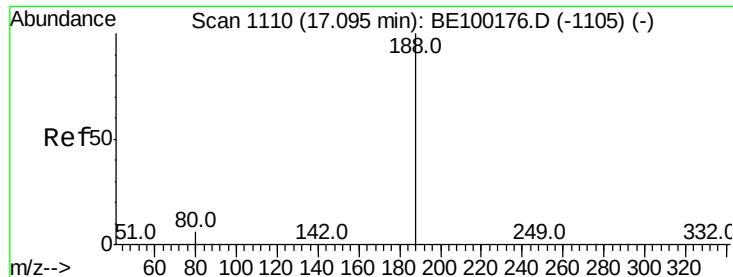


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

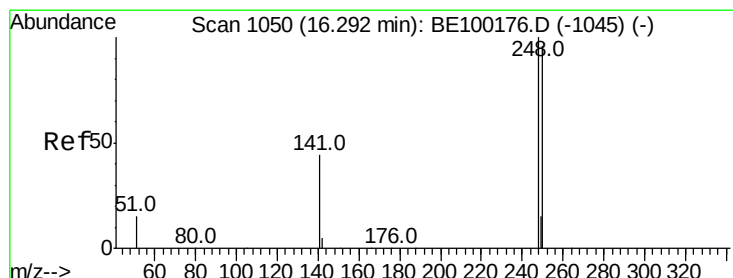
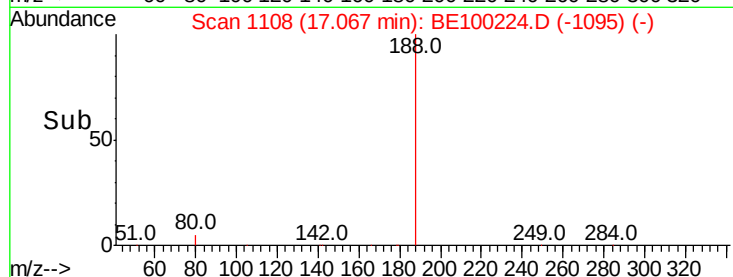
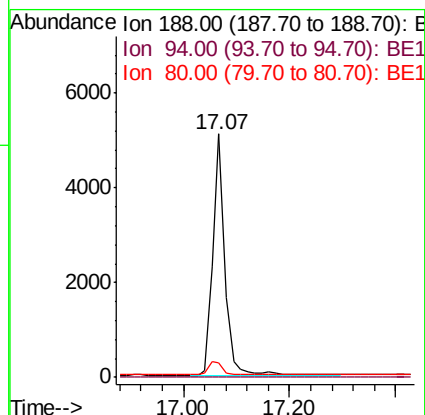
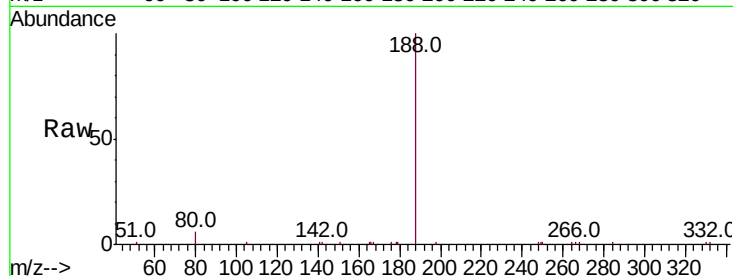




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. -0.03 min
Lab File: BE100224.D
Acq: 28 Jun 2019 2:53

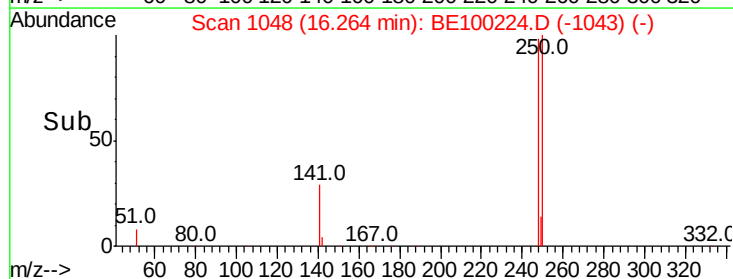
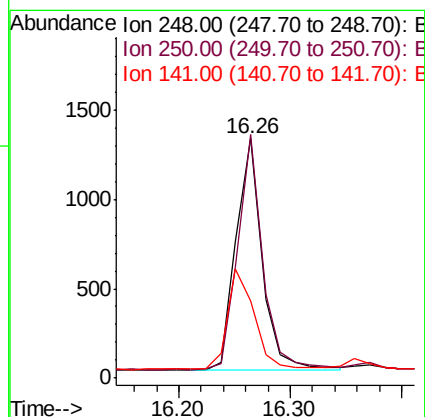
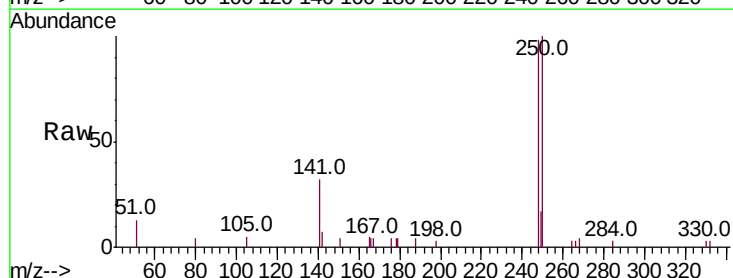
Instrument :
BNA_E
ClientSampleId :

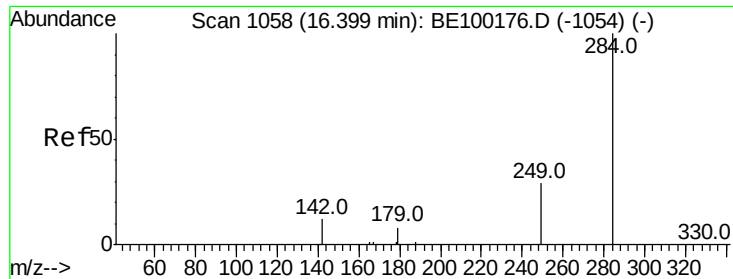
Tot Ion:188 Resp: 7968
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 6.4 9.6#



#20
4-Bromophenyl-phenylether
Concen: 0.426 ng
RT: 16.26 min Scan# 1048
Delta R.T. -0.03 min
Lab File: BE100224.D
Acq: 28 Jun 2019 2:53

Tgt Ion:248 Resp: 2105
Ion Ratio Lower Upper
248 100
250 101.7 77.1 115.7
141 32.4 39.5 59.3#





#21

Hexachlorobenzene

Concen: 0.409 ng

RT: 16.37 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

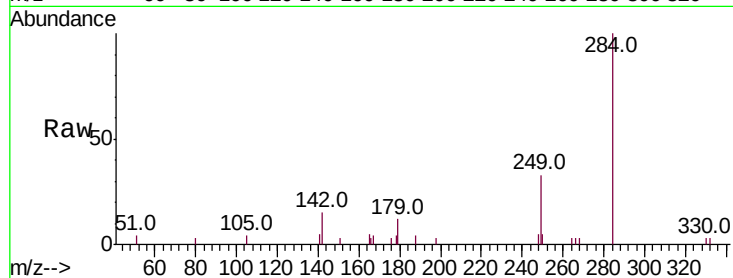
Tot Ion:284 Resp: 2221

Ion Ratio Lower Upper

284 100

142 22.8 20.1 30.1

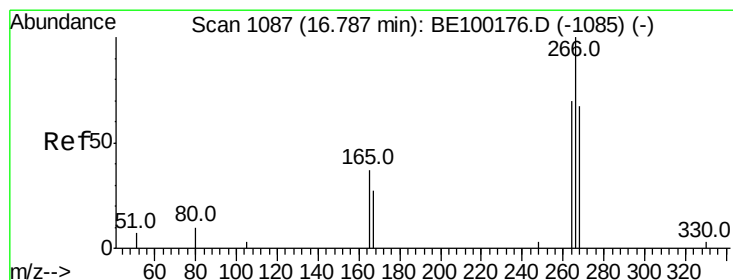
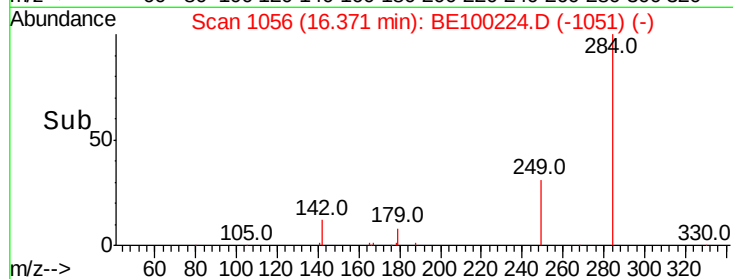
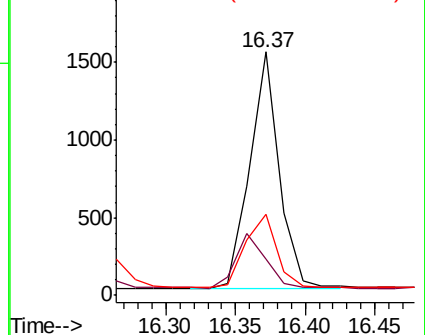
249 32.5 26.2 39.4



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: 0.671 ng

RT: 16.73 min Scan# 1083

Delta R.T. -0.05 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

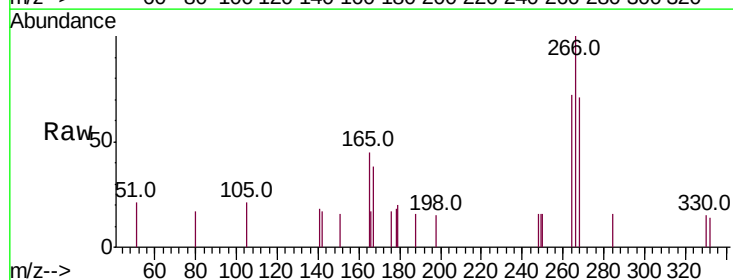
Tgt Ion:266 Resp: 731

Ion Ratio Lower Upper

266 100

264 72.1 67.7 101.5

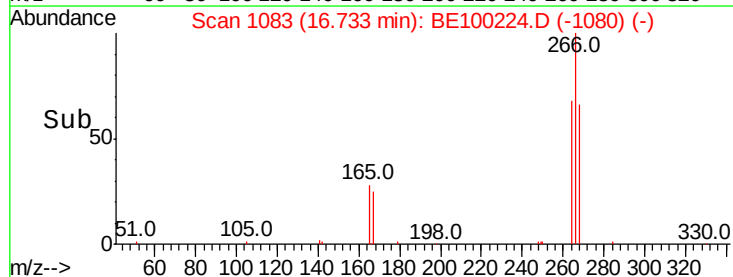
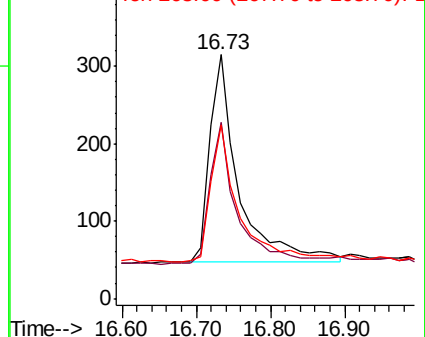
268 71.4 69.8 104.6

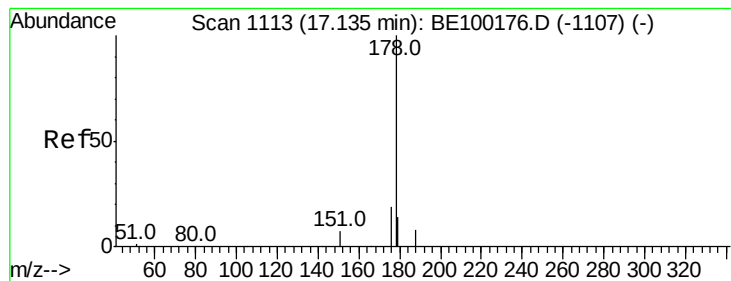


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

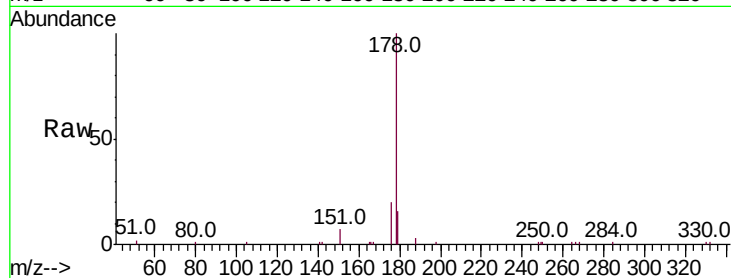
Tot Ion:178 Resp: 7814

Ion Ratio Lower Upper

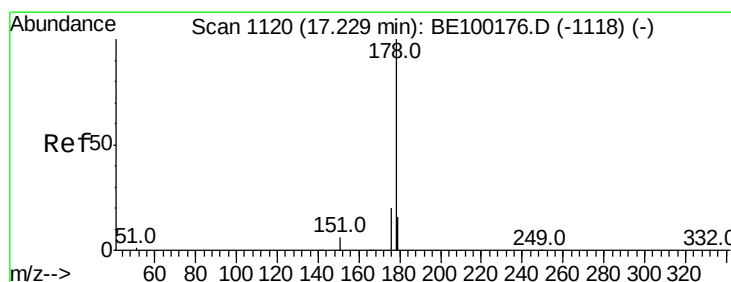
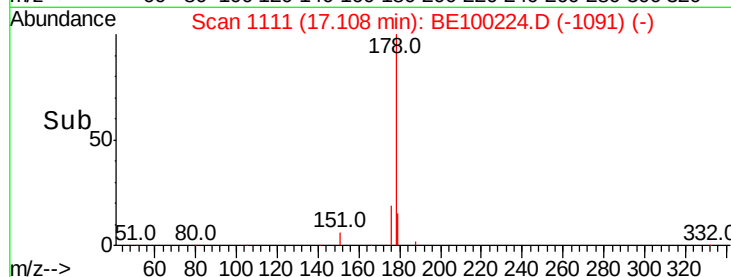
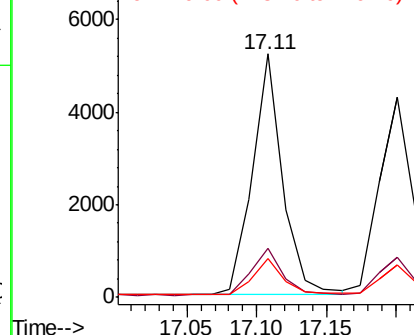
178 100

176 19.9 15.5 23.3

179 15.3 12.2 18.2



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: 0.453 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

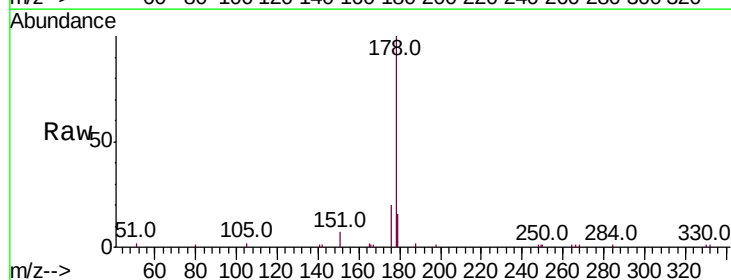
Tgt Ion:178 Resp: 7224

Ion Ratio Lower Upper

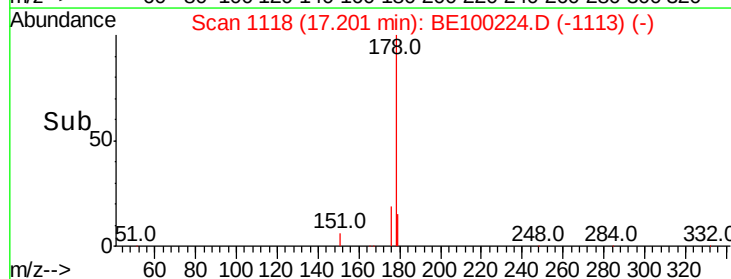
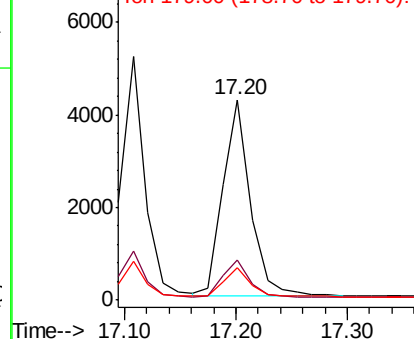
178 100

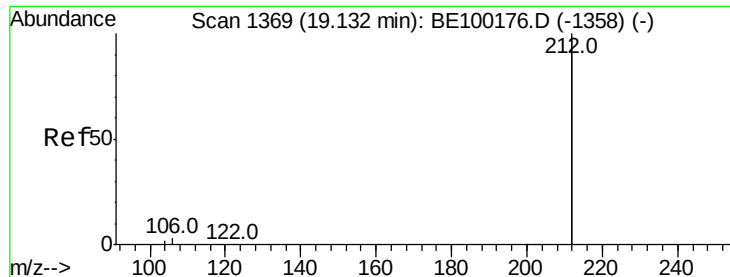
176 18.9 15.7 23.5

179 14.8 12.9 19.3



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: 0.386 ng

RT: 19.10 min Scan# 1364

Delta R.T. -0.03 min

Lab File: BE100224.D

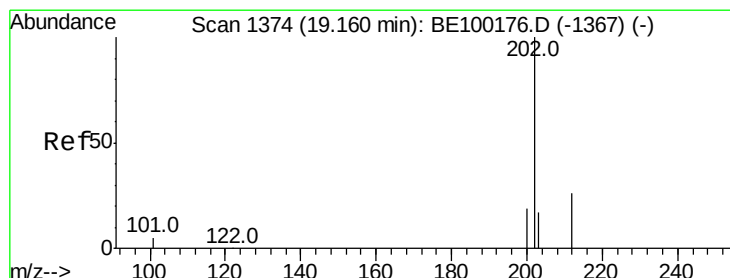
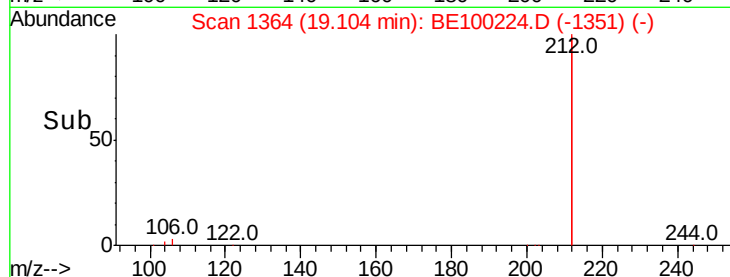
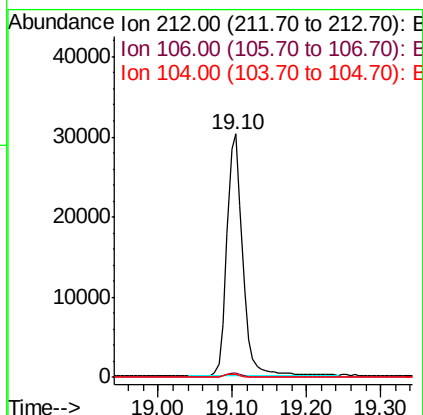
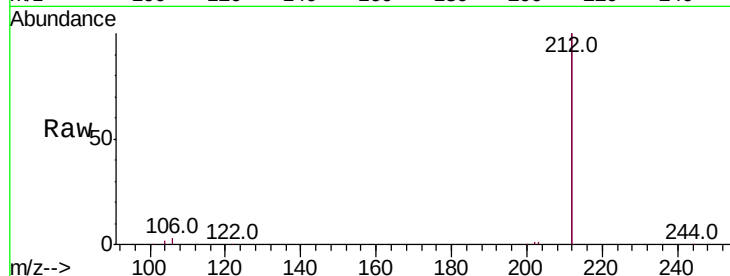
Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion:212	Resp:	44362
Ion Ratio	Lower	Upper
212 100		
106 1.6	1.3	1.9
104 1.0	0.7	1.1



#26

Fluoranthene

Concen: 0.381 ng

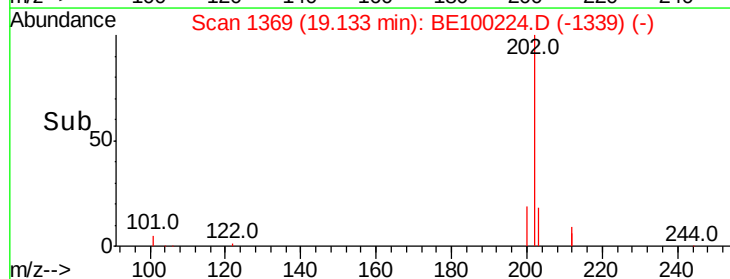
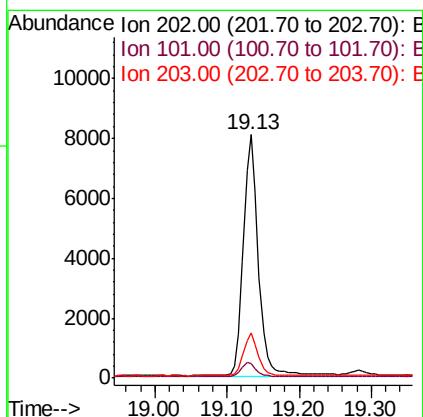
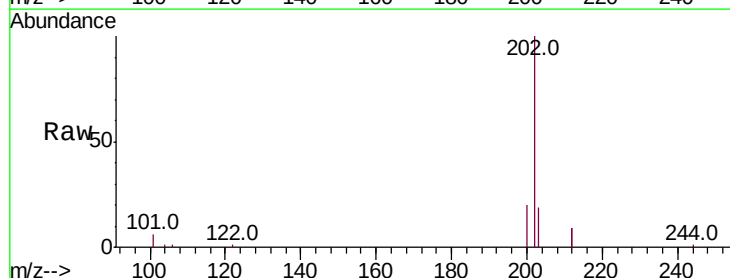
RT: 19.13 min Scan# 1369

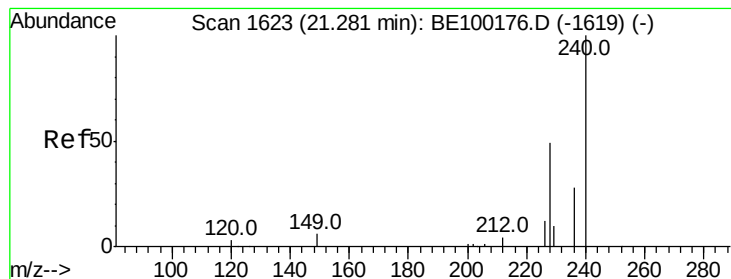
Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Tgt Ion:202	Resp:	11695
Ion Ratio	Lower	Upper
202 100		
101 5.7	4.5	6.7
203 16.7	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 1620

Delta R.T. -0.02 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

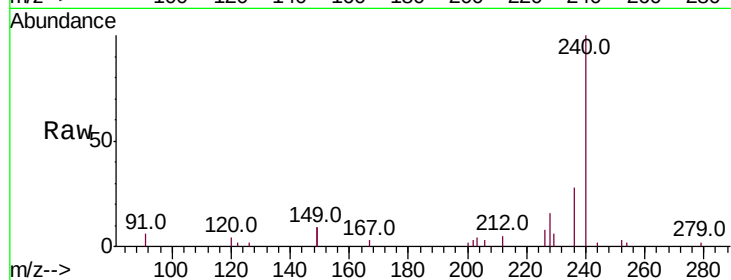
Tot Ion:240 Resp: 9516

Ion Ratio Lower Upper

240 100

120 3.7 4.1 6.1#

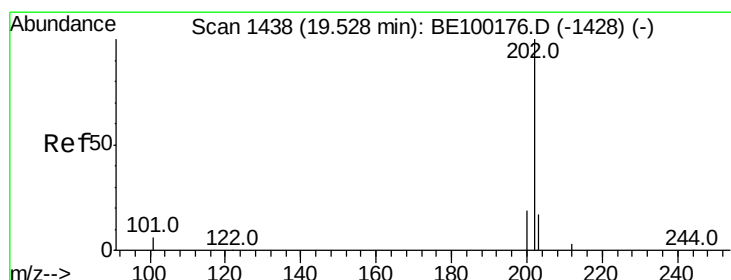
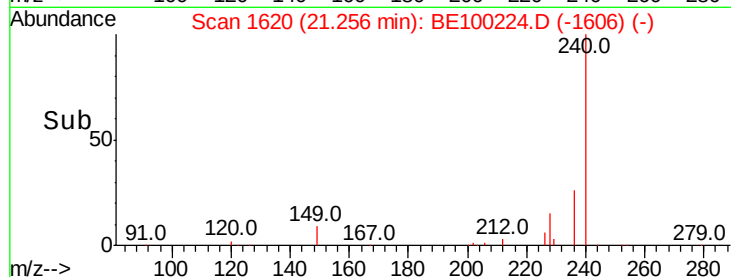
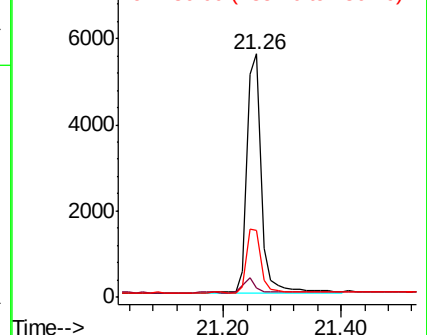
236 27.7 23.0 34.6



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: 0.488 ng

RT: 19.50 min Scan# 1432

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

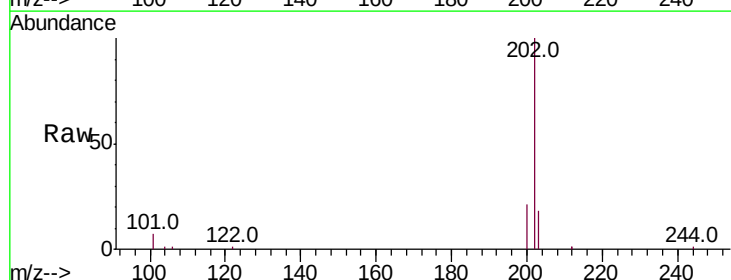
Tgt Ion:202 Resp: 11882

Ion Ratio Lower Upper

202 100

200 20.2 15.5 23.3

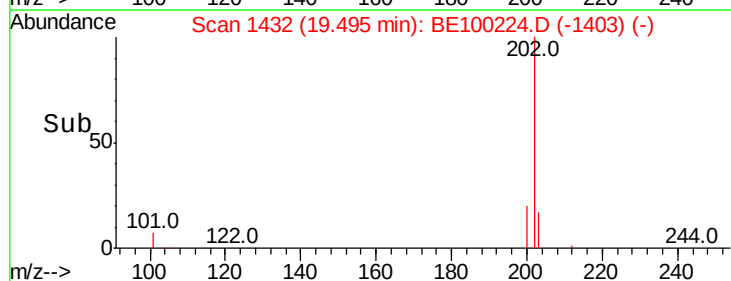
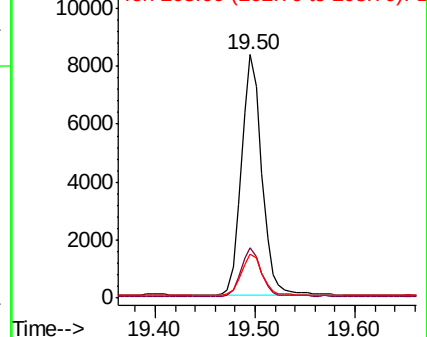
203 17.7 13.9 20.9

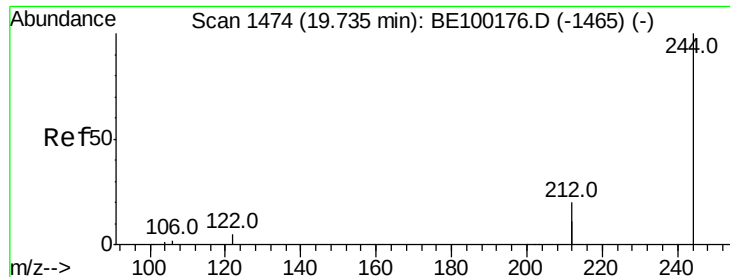


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.486 ng

RT: 19.70 min Scan# 1468

Delta R.T. -0.03 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

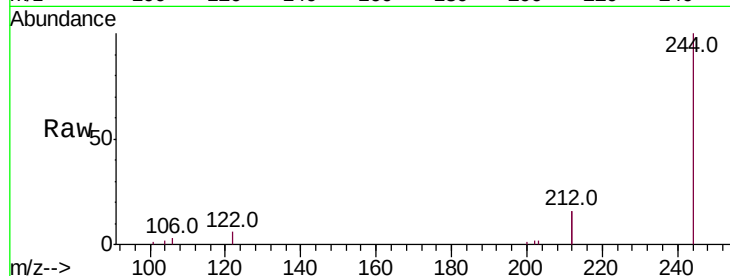
Tot Ion:244 Resp: 9081

Ion Ratio Lower Upper

244 100

212 32.1 30.7 46.1

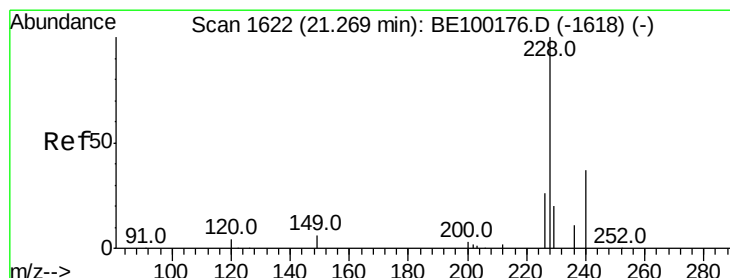
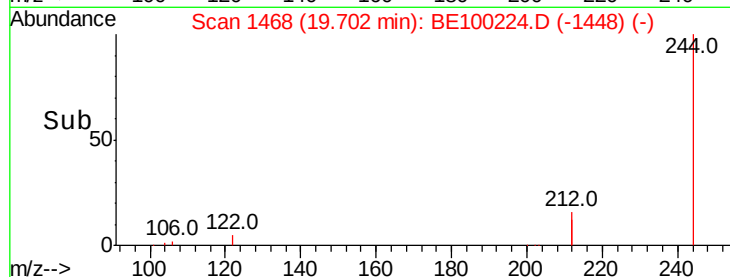
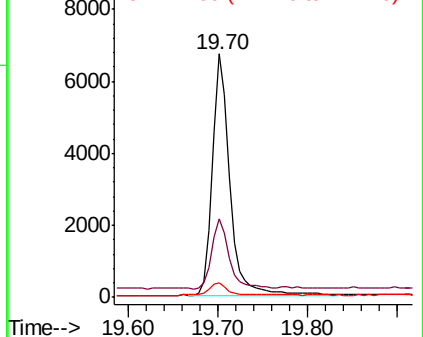
122 6.0 5.8 8.6



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: 0.461 ng

RT: 21.23 min Scan# 1618

Delta R.T. -0.04 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

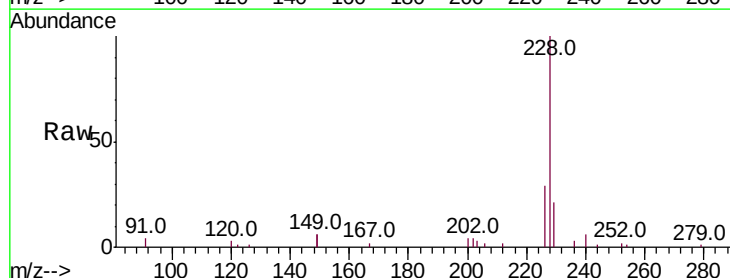
Tgt Ion:228 Resp: 12929

Ion Ratio Lower Upper

228 100

226 28.9 21.5 32.3

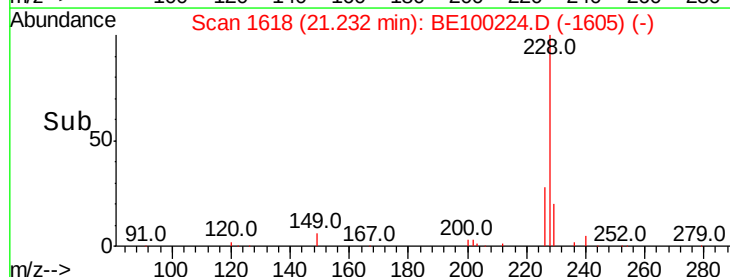
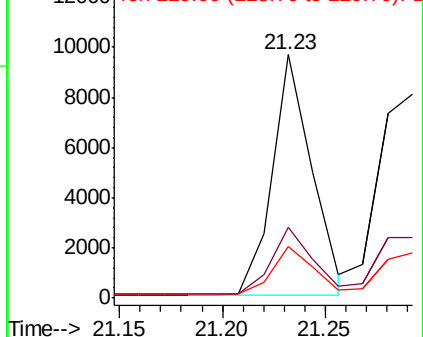
229 21.1 17.2 25.8

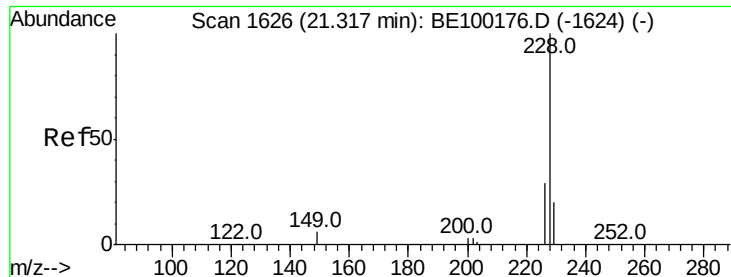


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.403 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.02 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

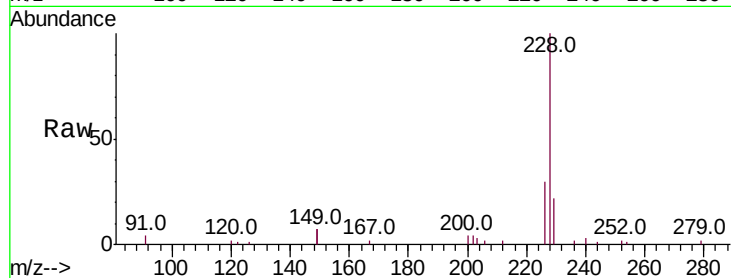
Tot Ion:228 Resp: 13272

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

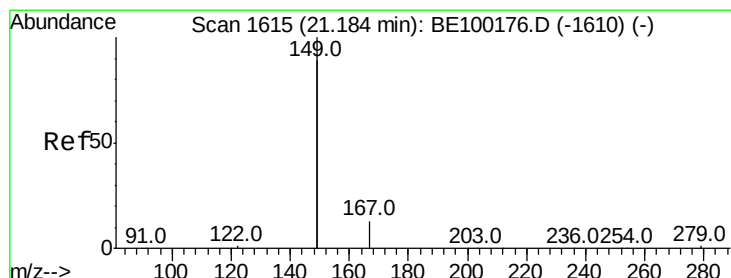
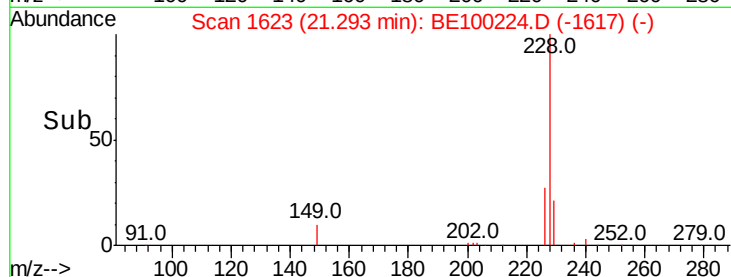
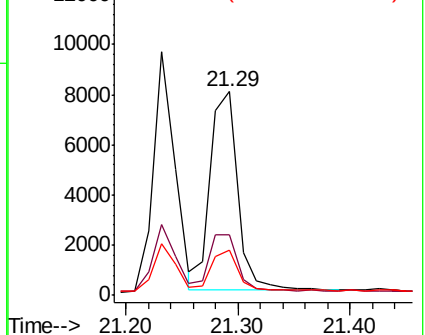
229 22.0 16.5 24.7



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: 0.653 ng

RT: 21.16 min Scan# 1612

Delta R.T. -0.02 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

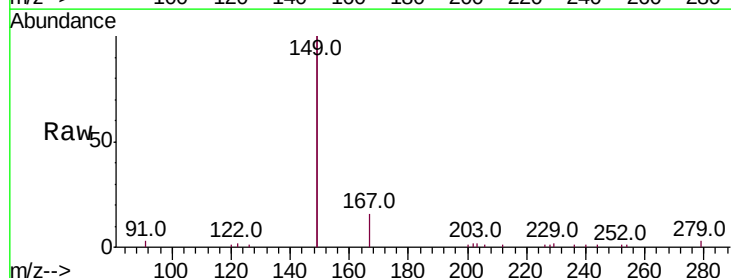
Tgt Ion:149 Resp: 21053

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

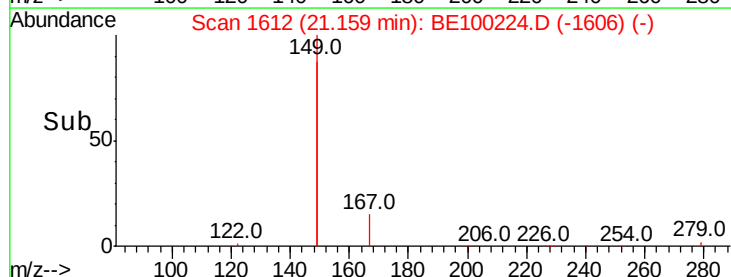
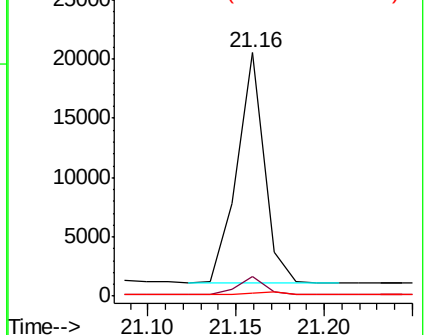
279 1.5 1.0 1.6

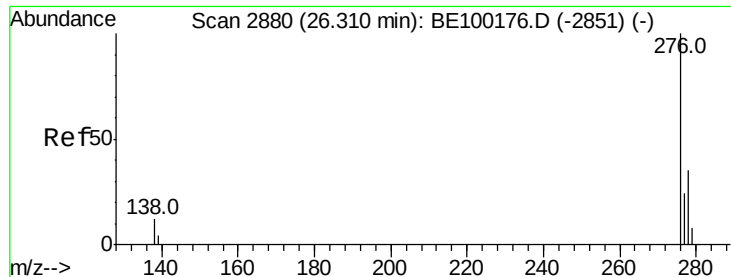


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.335 ng

RT: 26.23 min Scan# 2856

Delta R.T. -0.08 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

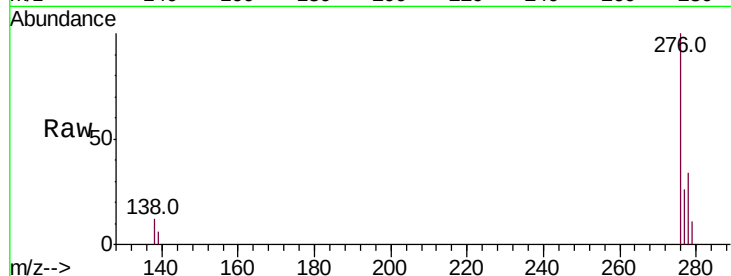
Tot Ion:276 Resp: 15686

Ion Ratio Lower Upper

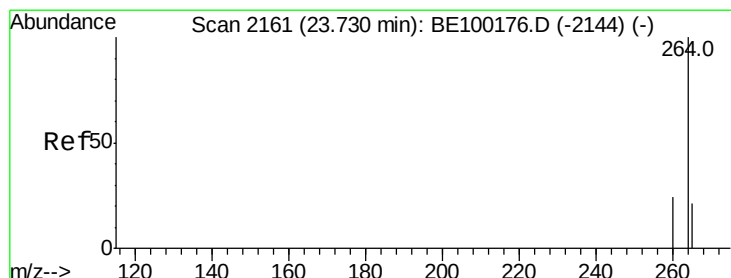
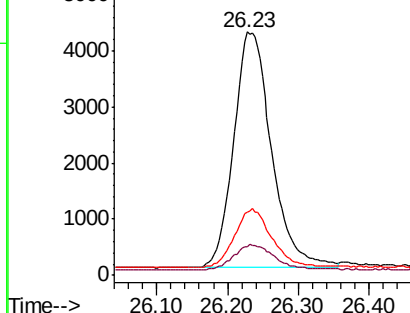
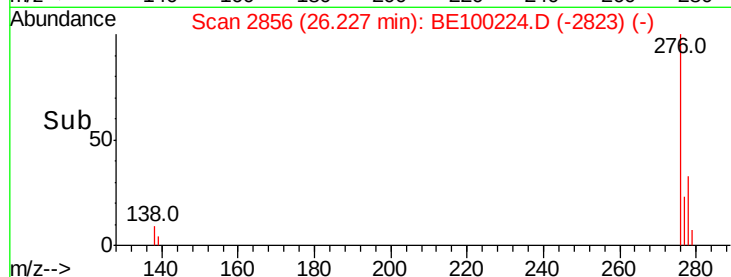
276 100

138 11.5 3.7 5.5#

277 24.2 18.7 28.1



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: 23.68 min Scan# 2145

Delta R.T. -0.05 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

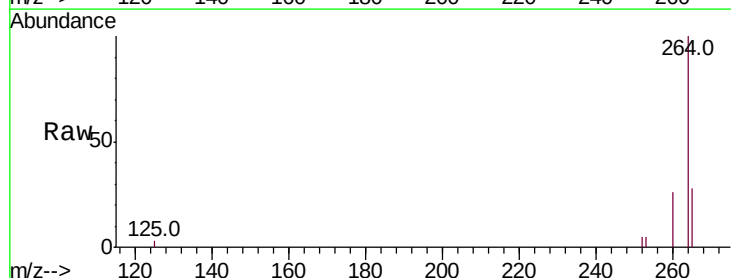
Tgt Ion:264 Resp: 11154

Ion Ratio Lower Upper

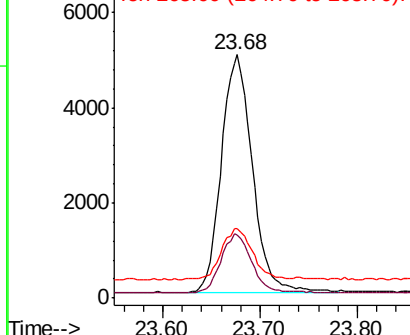
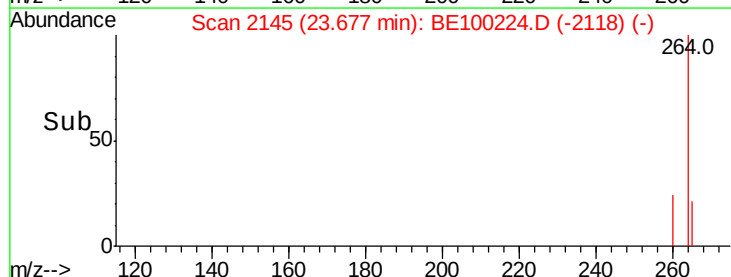
264 100

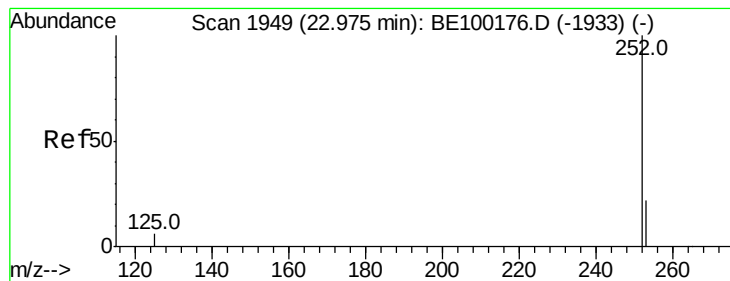
260 25.8 20.4 30.6

265 28.4 22.5 33.7



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: 0.431 ng

RT: 22.93 min Scan# 1936

Delta R.T. -0.04 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

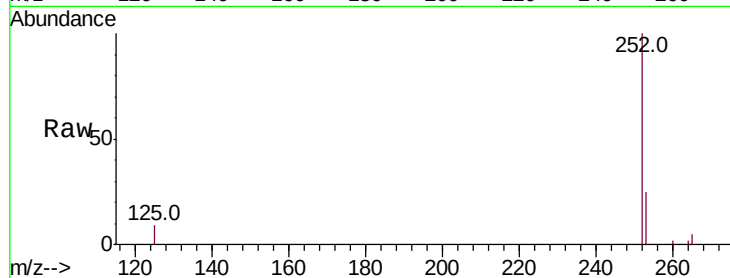
Tot Ion:252 Resp: 12939

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.4

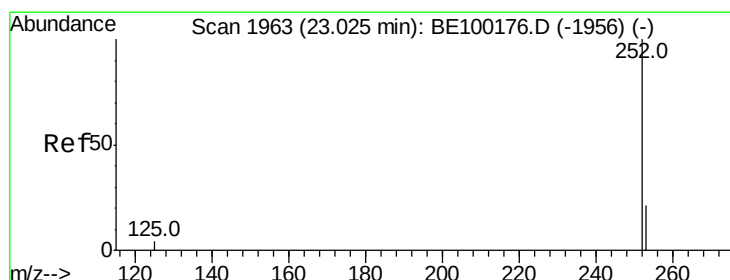
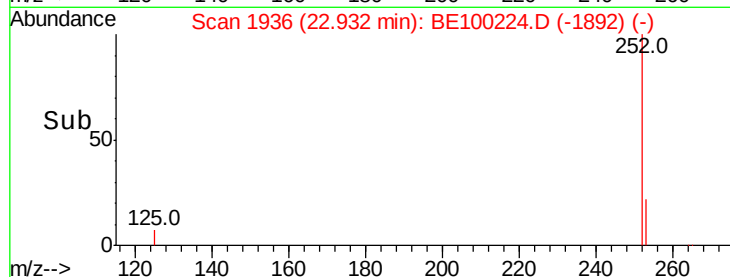
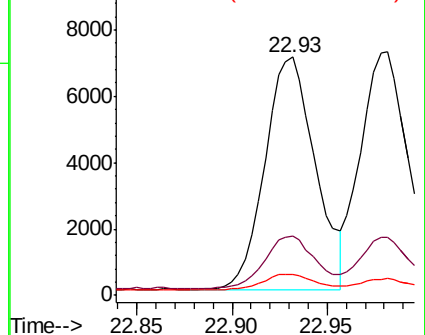
125 8.7 6.3 9.5



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: 0.360 ng

RT: 22.98 min Scan# 1950

Delta R.T. -0.04 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

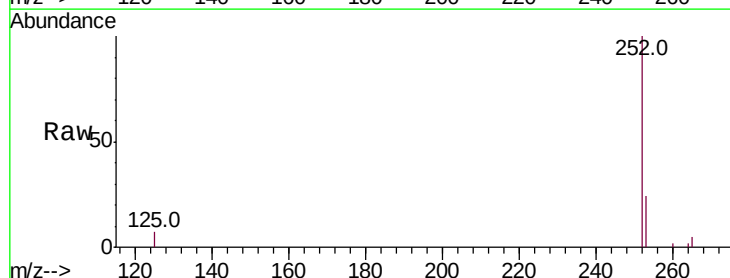
Tgt Ion:252 Resp: 12933

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

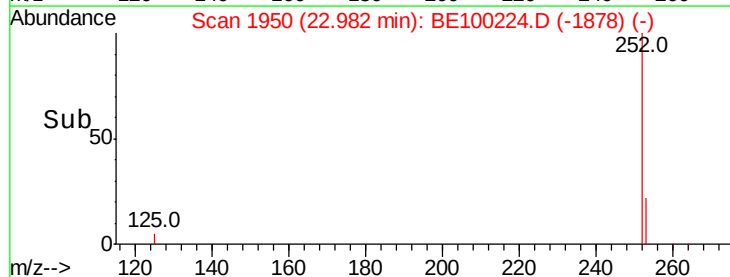
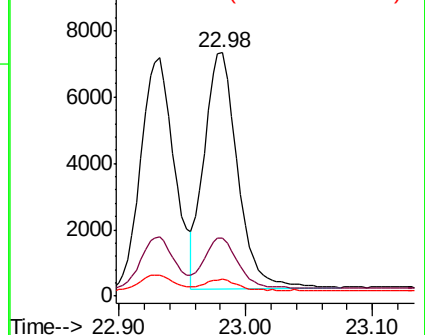
125 7.0 5.0 7.4

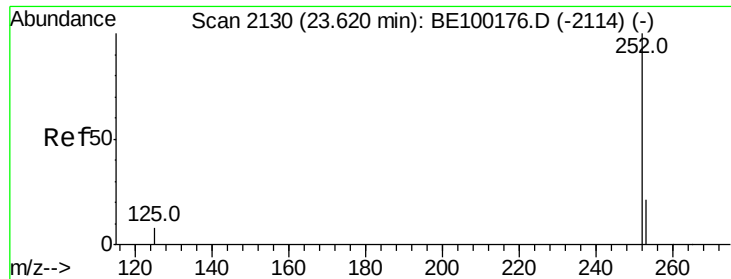


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.396 ng

RT: 23.57 min Scan# 2114

Delta R.T. -0.05 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

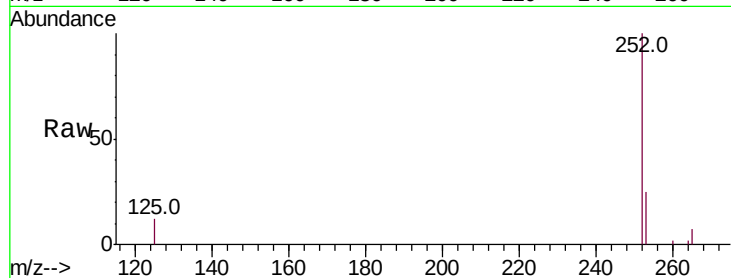
Tot Ion:252 Resp: 12295

Ion Ratio Lower Upper

252 100

253 25.2 19.2 28.8

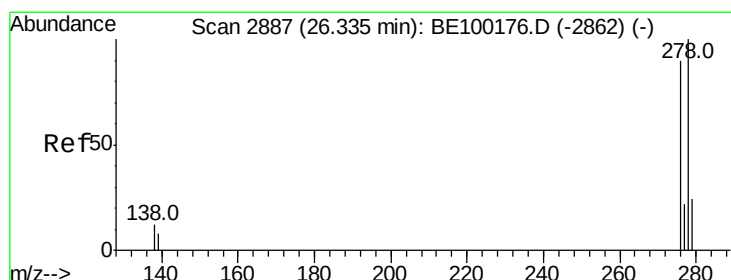
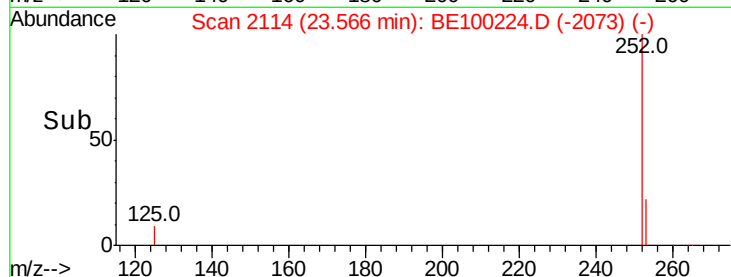
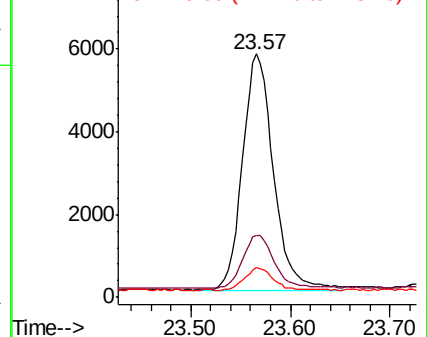
125 12.0 8.2 12.2



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: 0.381 ng

RT: 26.26 min Scan# 2865

Delta R.T. -0.08 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

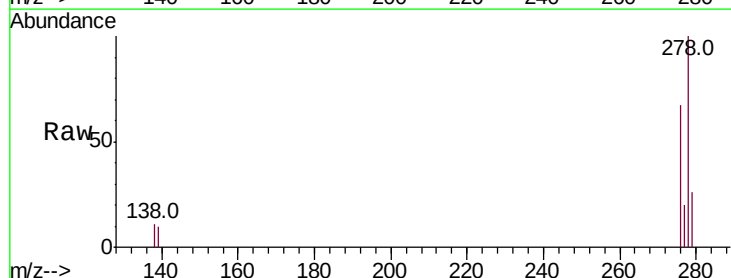
Tgt Ion:278 Resp: 12655

Ion Ratio Lower Upper

278 100

139 9.6 9.0 13.4

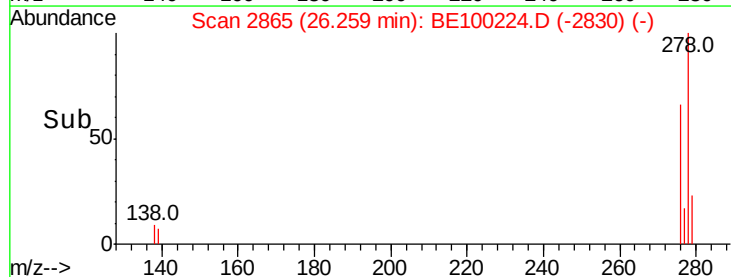
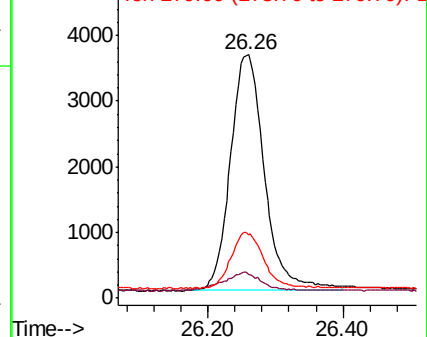
279 26.2 21.1 31.7

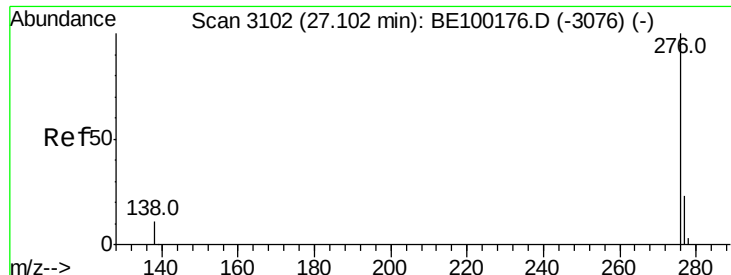


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.379 ng

RT: 27.02 min Scan# 3079

Delta R.T. -0.08 min

Lab File: BE100224.D

Acq: 28 Jun 2019 2:53

Instrument :

BNA_E

ClientSampleId :

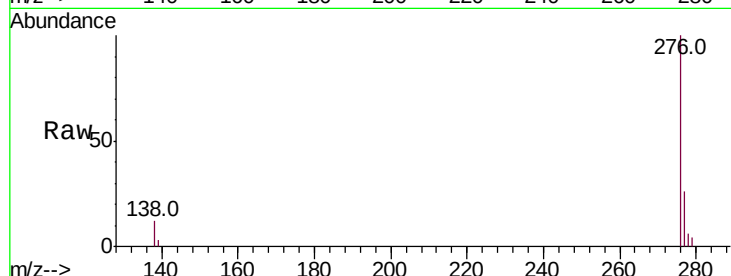
Tot Ion: 276 Resp: 13142

Ion Ratio Lower Upper

276 100

277 26.2 19.8 29.6

138 12.3 10.2 15.4



Abundance Ion 276.00 (275.70 to 276.70): E

5000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

