

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
 Data File : BE100663.D
 Acq On : 23 Oct 2019 16:02
 Operator : JU
 Sample : PB124100BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB124100BS

Quant Time: Oct 23 16:57:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	4257	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	17225	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	9657	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	20827	0.40	ng	0.00
27) Chrysene-d12	21.35	240	21807	0.40	ng	0.00
34) Perylene-d12	23.83	264	31051	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	4321	0.33	ng	0.00
5) Phenol-d6	7.01	99	6372	0.34	ng	0.00
8) Nitrobenzene-d5	8.99	82	4105	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9650	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1006	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	10961	0.31	ng	0.00
25) Fluoranthene-d10	19.22	212	80375	0.30	ng	0.00
29) Terphenyl-d14	19.82	244	17908	0.38	ng	0.00

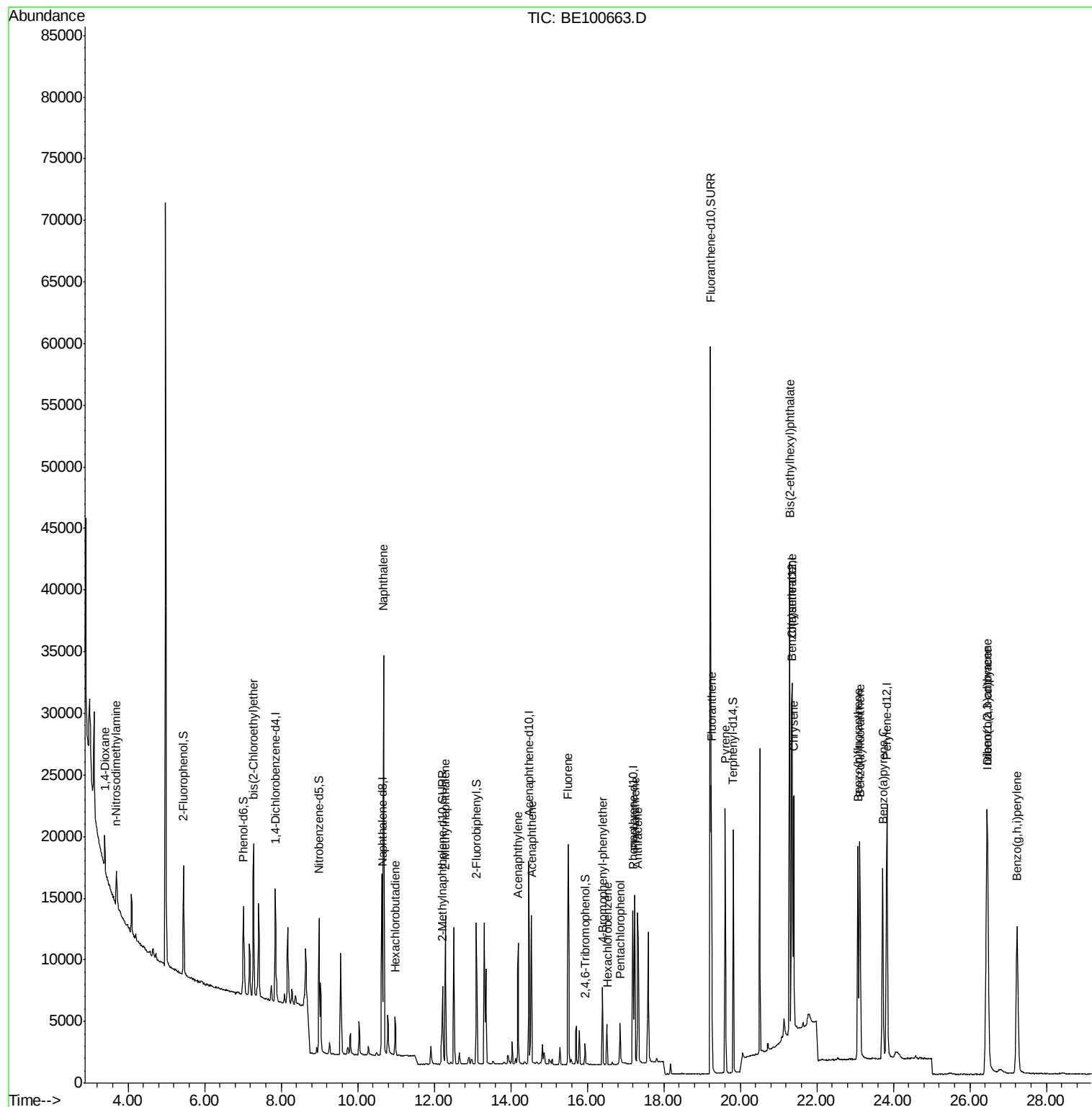
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.39	88	1805	0.238	ng	# 59
3) n-Nitrosodimethylamine	3.69	42	2238	0.279	ng	92
6) bis(2-Chloroethyl)ether	7.27	93	4545	0.299	ng	99
9) Naphthalene	10.68	128	53238	0.294	ng	100
10) Hexachlorobutadiene	10.98	225	2255	0.287	ng	97
12) 2-Methylnaphthalene	12.29	142	8832	0.286	ng	99
16) Acenaphthylene	14.20	152	12725	0.306	ng	99
17) Acenaphthene	14.54	154	7592	0.283	ng	98
18) Fluorene	15.50	166	10024	0.281	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	3175	0.300	ng	96
21) Hexachlorobenzene	16.52	284	2883	0.286	ng	99
22) Pentachlorophenol	16.85	266	1985	0.610	ng	99
23) Phenanthrene	17.24	178	16803	0.293	ng	99
24) Anthracene	17.32	178	15134	0.285	ng	99
26) Fluoranthene	19.25	202	20439	0.273	ng	100
28) Pyrene	19.61	202	20812	0.342	ng	99
30) Benzo(a)anthracene	21.34	228	20068	0.282	ng	99
31) Chrysene	21.40	228	20463	0.288	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	43730	0.294	ng	99
33) Indeno(1,2,3-cd)pyrene	26.44	276	35809	0.410	ng	100
35) Benzo(b)fluoranthene	23.07	252	24740	0.273	ng	98
36) Benzo(k)fluoranthene	23.13	252	26601	0.286	ng	# 96
37) Benzo(a)pyrene	23.72	252	26511	0.315	ng	99
38) Dibenzo(a,h)anthracene	26.46	278	29568	0.339	ng	98
39) Benzo(g,h,i)perylene	27.23	276	30554	0.349	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

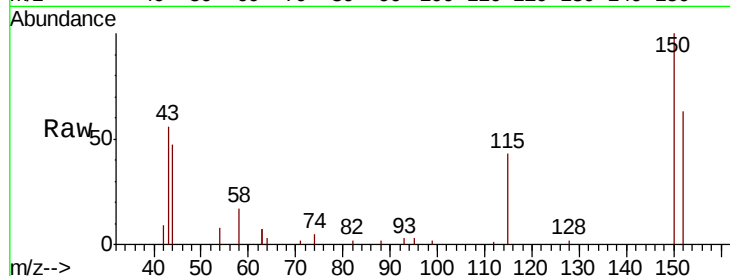
Tot Ion:152 Resp: 4257

Ion Ratio Lower Upper

152 100

150 158.1 123.3 184.9

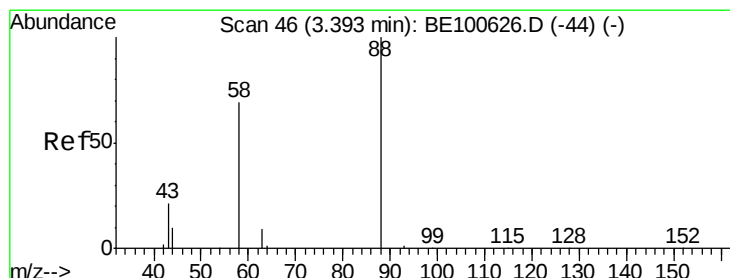
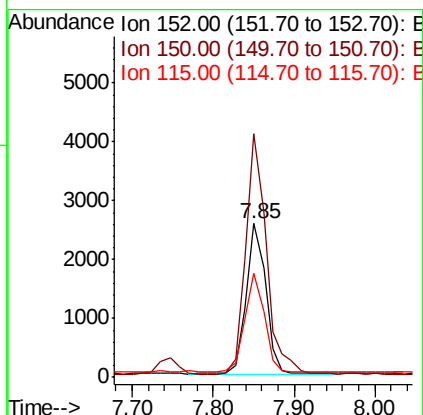
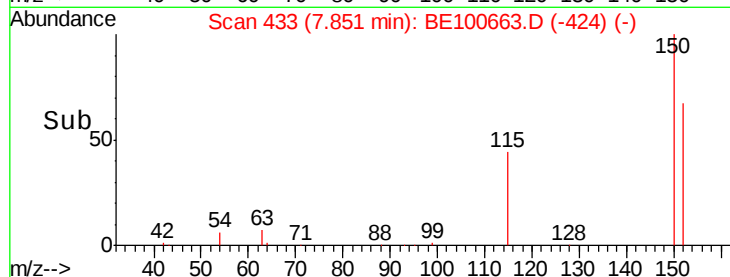
115 67.7 51.9 77.9



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: 0.238 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

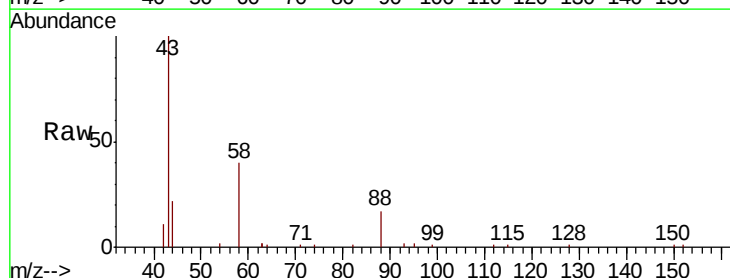
Tgt Ion: 88 Resp: 1805

Ion Ratio Lower Upper

88 100

58 104.5 59.8 89.6#

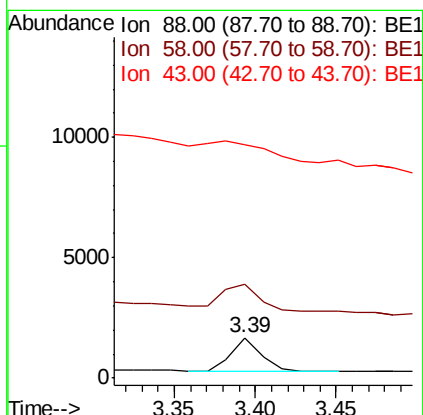
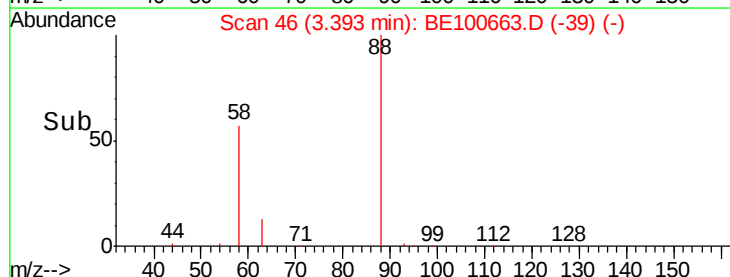
43 0.0 24.6 36.8#



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: 0.279 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

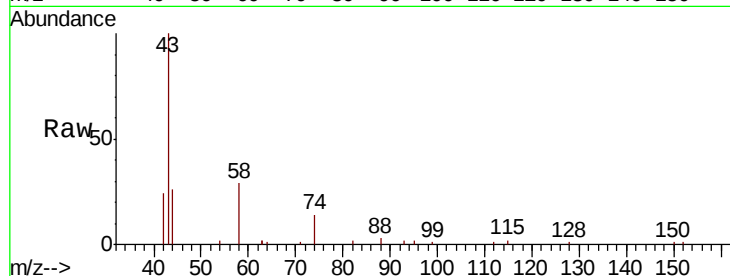
Tot Ion: 42 Resp: 2238

Ion Ratio Lower Upper

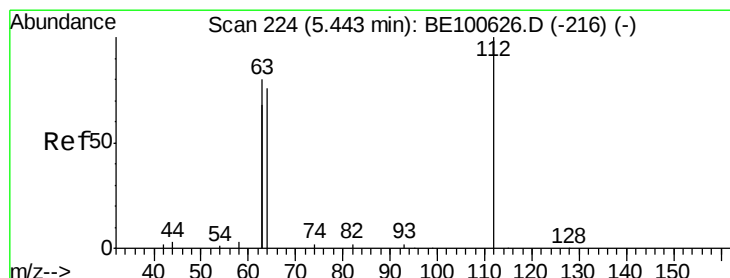
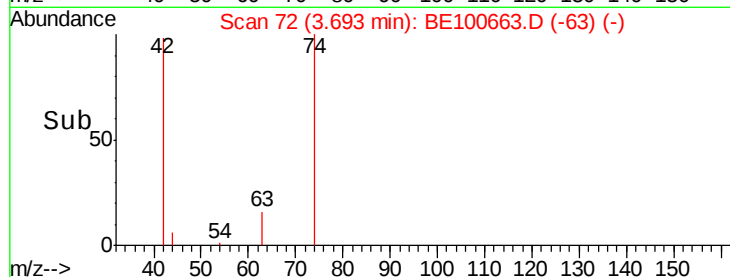
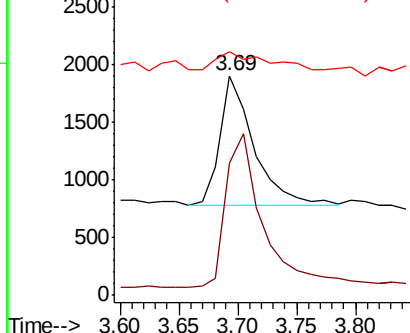
42 100

74 131.1 97.2 145.8

44 20.2 16.6 24.8



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: 0.329 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

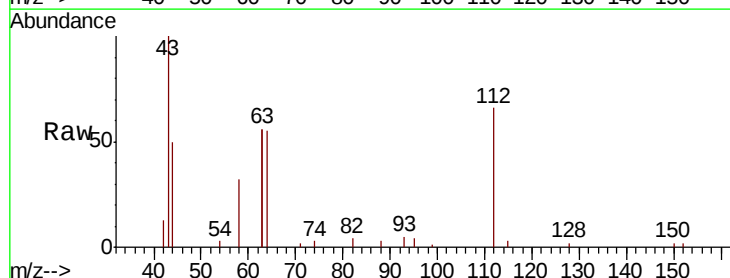
Tgt Ion: 112 Resp: 4321

Ion Ratio Lower Upper

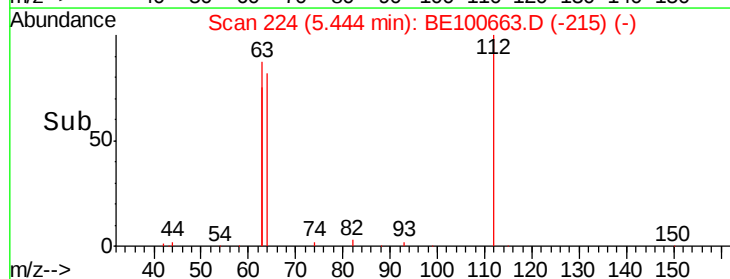
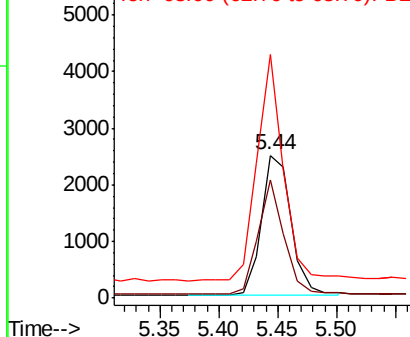
112 100

64 71.7 55.4 83.2

63 142.9 114.2 171.4



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: 0.344 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

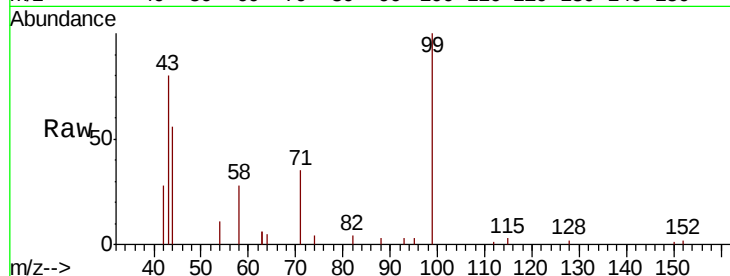
Tot Ion: 99 Resp: 6372

Ion Ratio Lower Upper

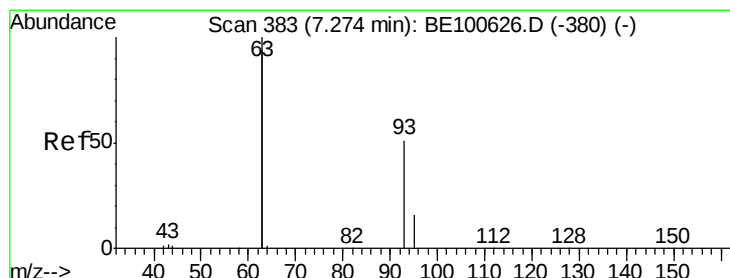
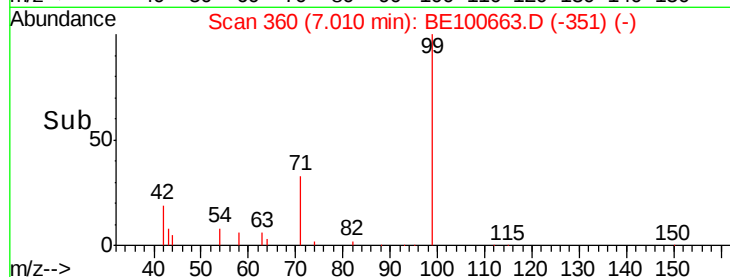
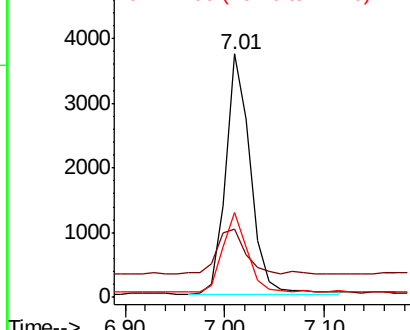
99 100

42 22.9 17.7 26.5

71 33.1 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.299 ng

RT: 7.27 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

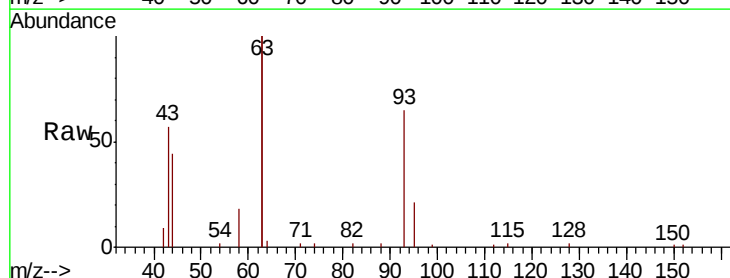
Tgt Ion: 93 Resp: 4545

Ion Ratio Lower Upper

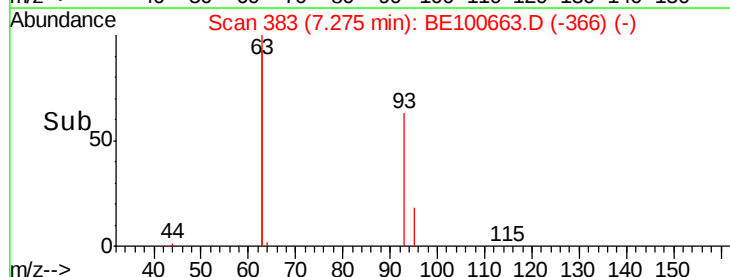
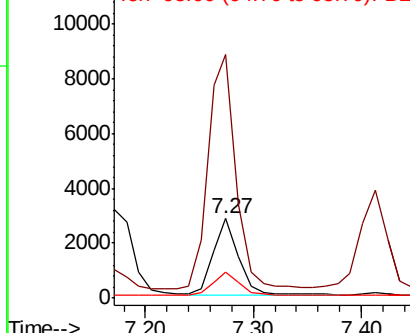
93 100

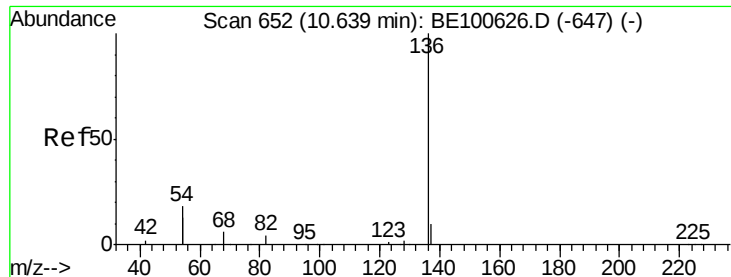
63 334.3 268.8 403.2

95 31.0 25.6 38.4



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

Tot Ion:136 Resp: 17225

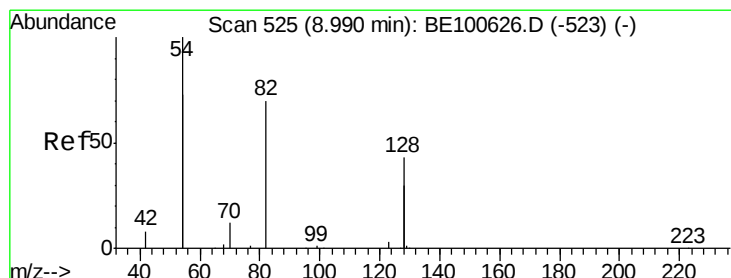
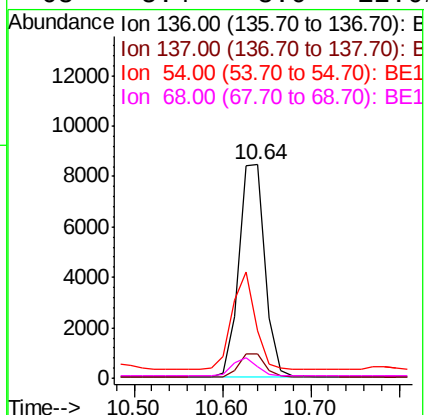
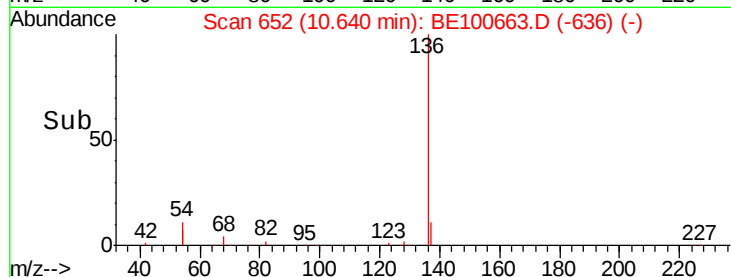
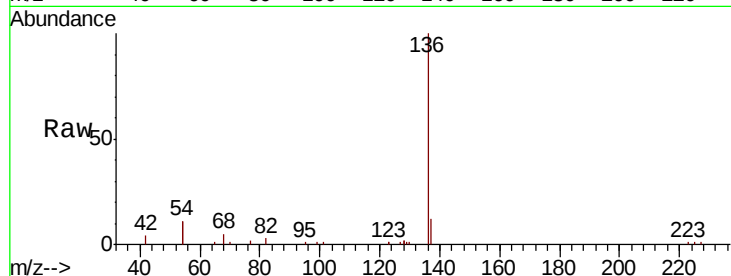
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 22.4 39.4 59.2#

68 5.4 8.0 12.0#



#8

Nitrobenzene-d5

Concen: 0.384 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

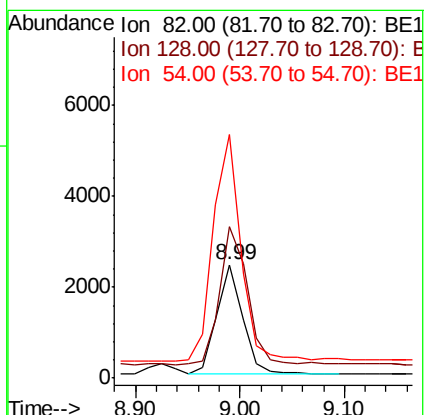
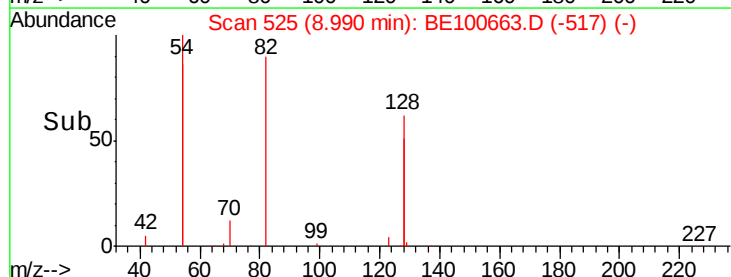
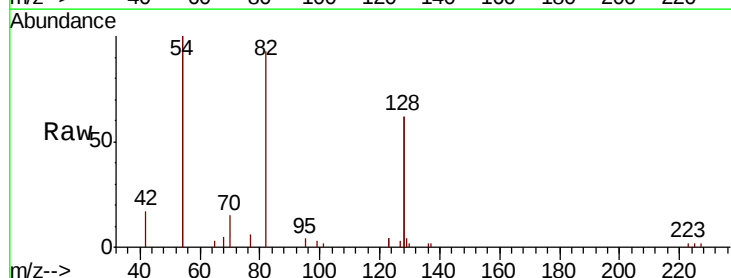
Tgt Ion: 82 Resp: 4105

Ion Ratio Lower Upper

82 100

128 133.9 107.8 161.8

54 215.2 166.1 249.1





#9

Naphthalene

Concen: 0.294 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

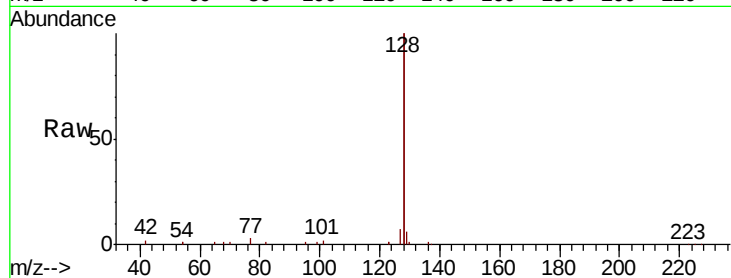
Tot Ion:128 Resp: 53238

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

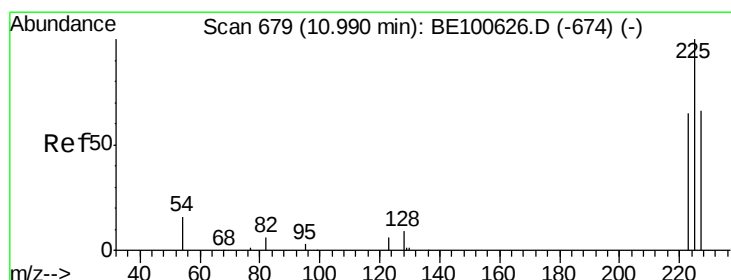
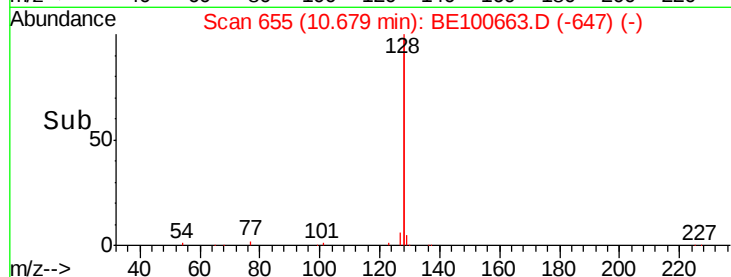
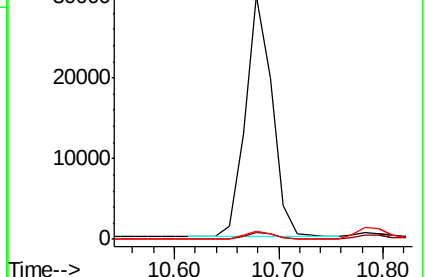
127 3.4 2.7 4.1



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: 0.287 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

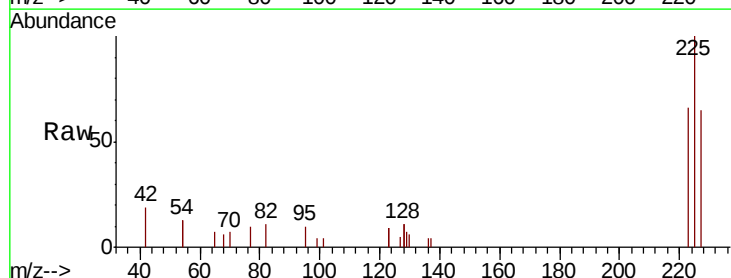
Tgt Ion:225 Resp: 2255

Ion Ratio Lower Upper

225 100

223 64.4 48.6 72.8

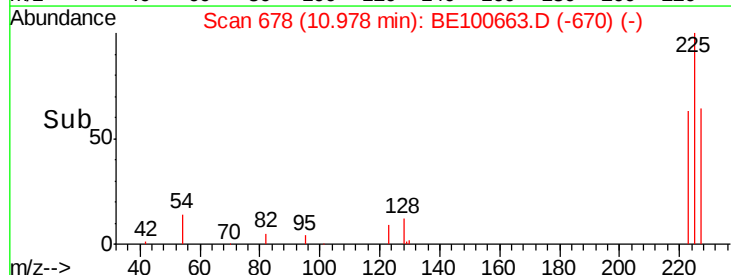
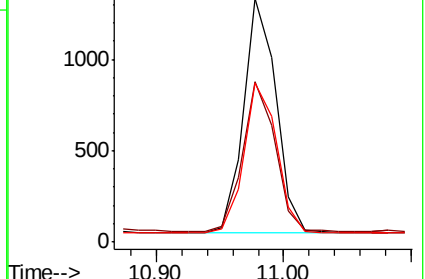
227 64.8 51.6 77.4

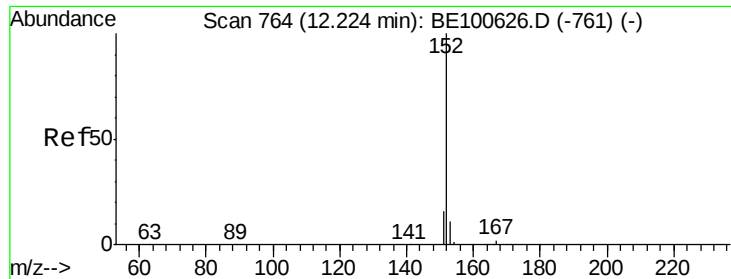


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

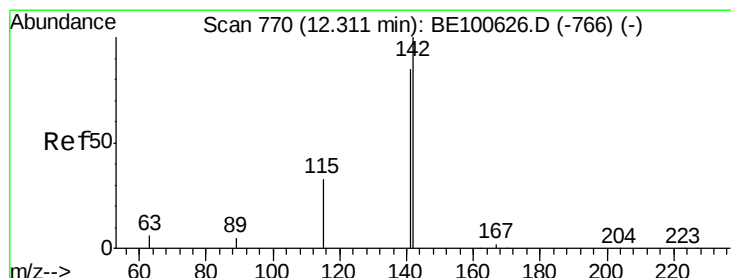
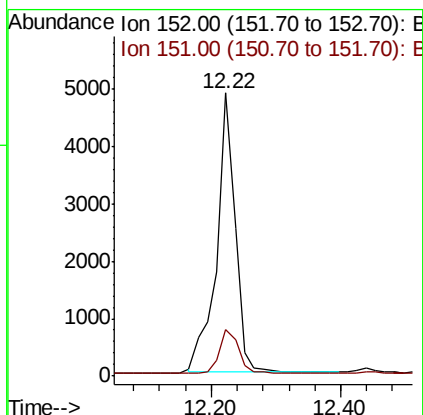
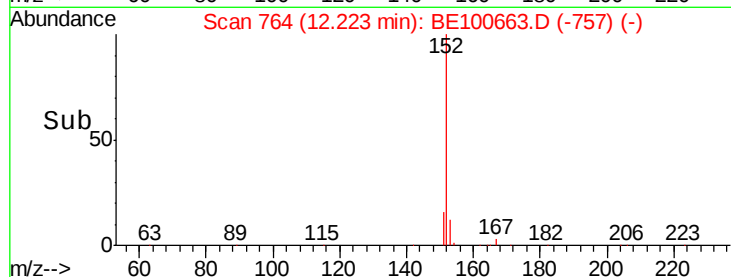
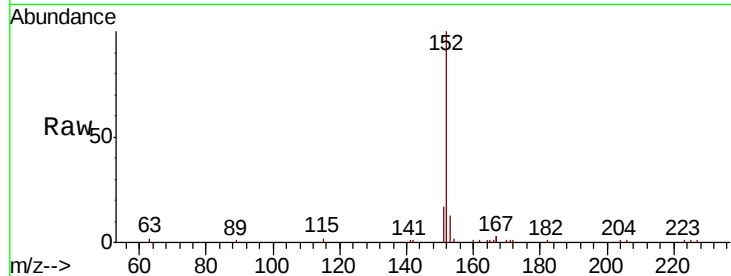




#11
 2-Methylnaphthalene-d10
 Concen: 0.355 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100663.D
 Acq: 23 Oct 2019 16:02

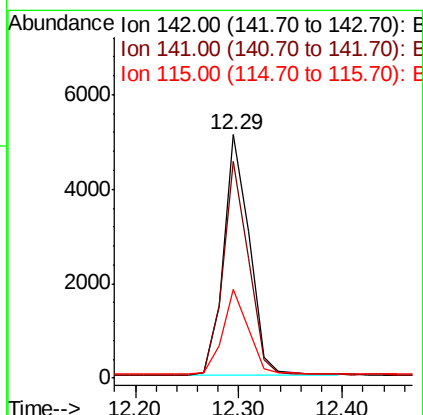
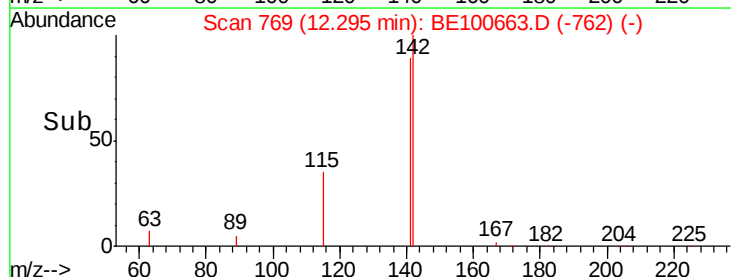
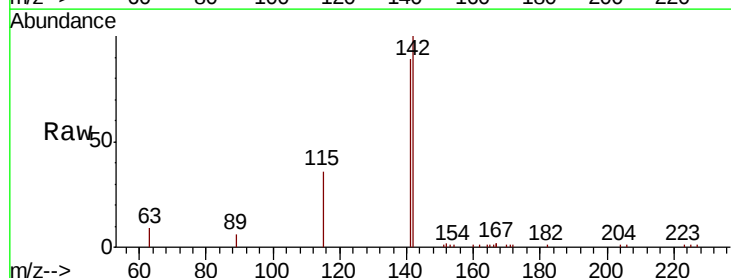
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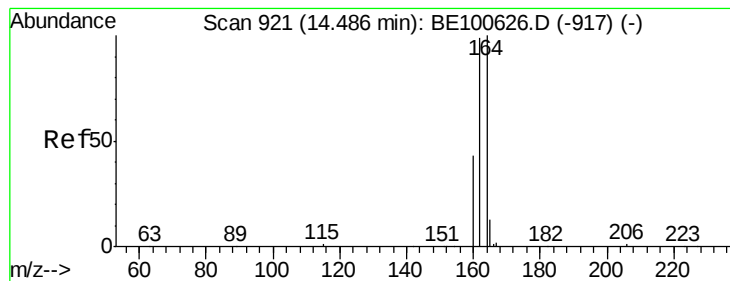
Tot Ion:152 Resp: 9650
 Ion Ratio Lower Upper
 152 100
 151 15.7 14.7 22.1



#12
 2-Methylnaphthalene
 Concen: 0.286 ng
 RT: 12.29 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE100663.D
 Acq: 23 Oct 2019 16:02

Tgt Ion:142 Resp: 8832
 Ion Ratio Lower Upper
 142 100
 141 88.8 70.1 105.1
 115 36.5 28.3 42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

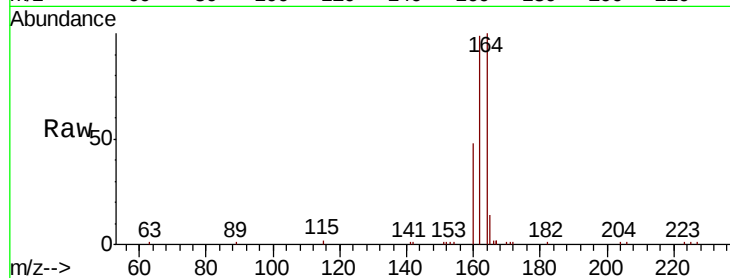
BNA_E

ClientSampleId :

PB124100BS

Tot Ion:164 Resp: 9657

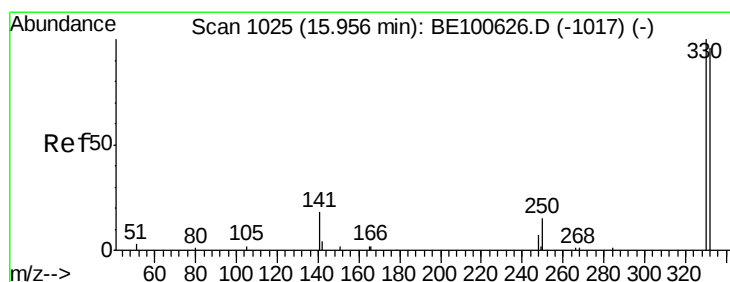
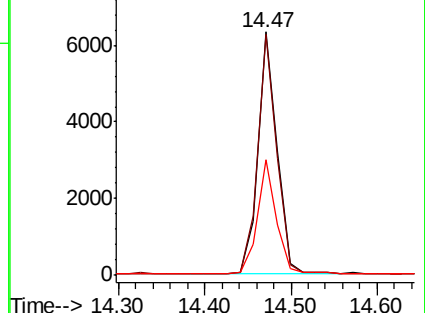
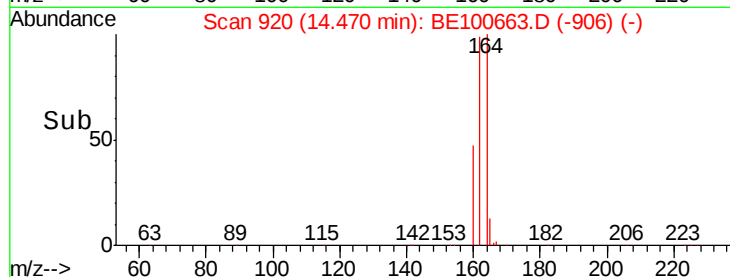
Ion	Ratio	Lower	Upper
164	100		
162	98.9	82.0	123.0
160	47.7	37.5	56.3



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: 0.394 ng

RT: 15.94 min Scan# 1024

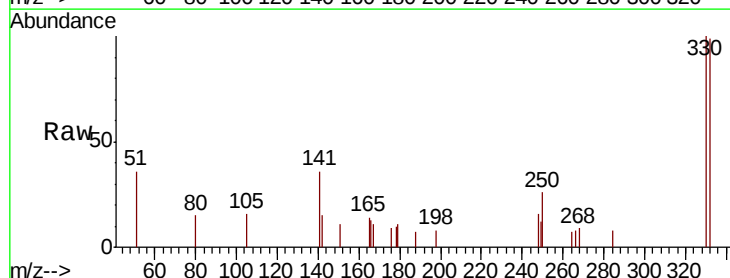
Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Tgt Ion:330 Resp: 1006

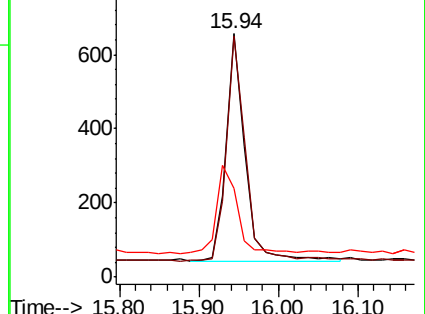
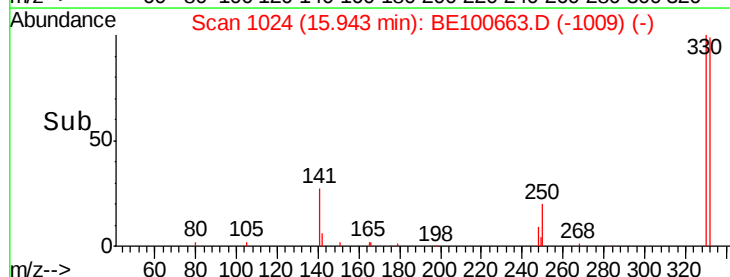
Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.9	116.9
141	44.2	33.0	49.6

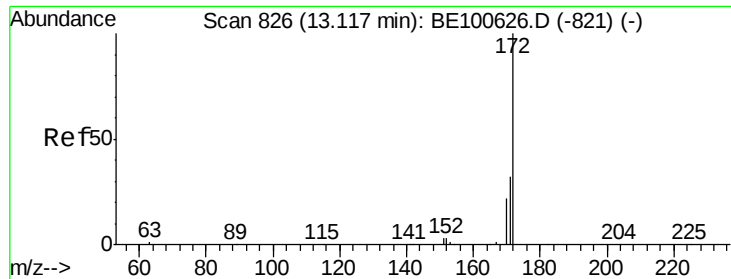


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

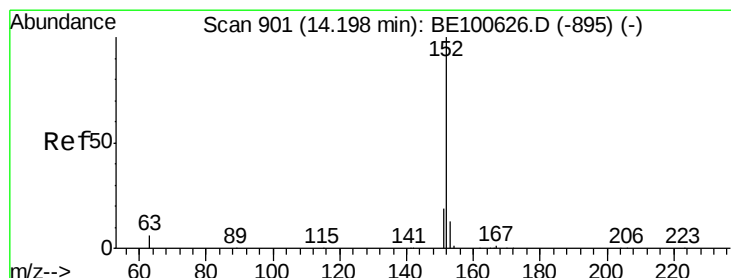
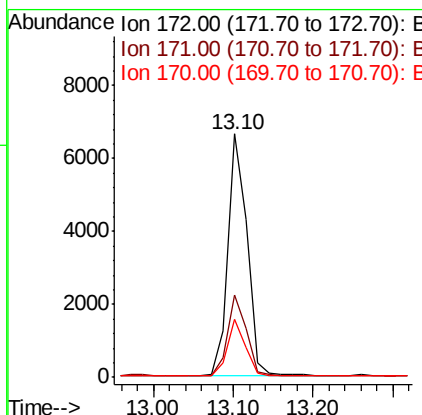
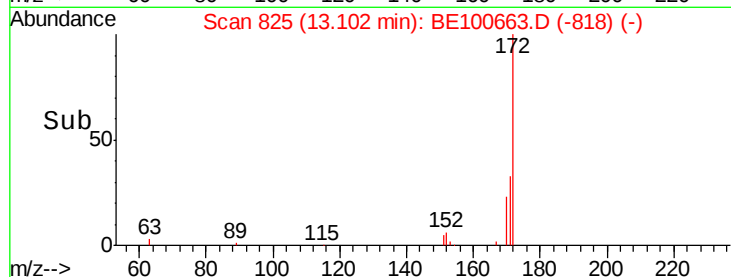
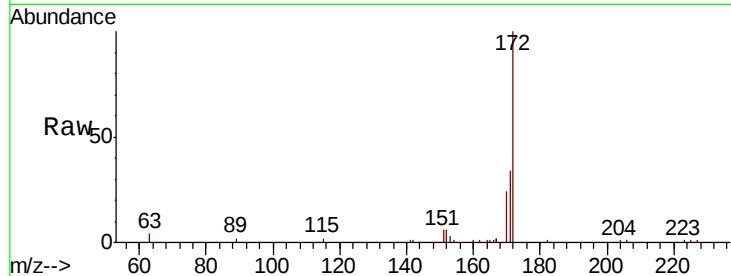




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

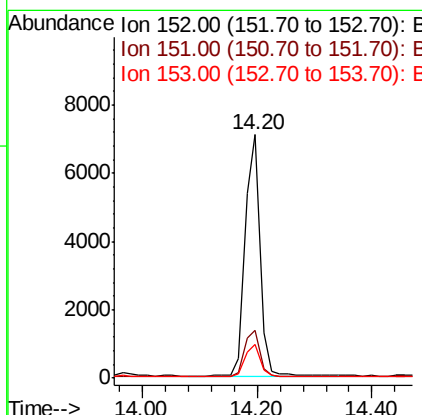
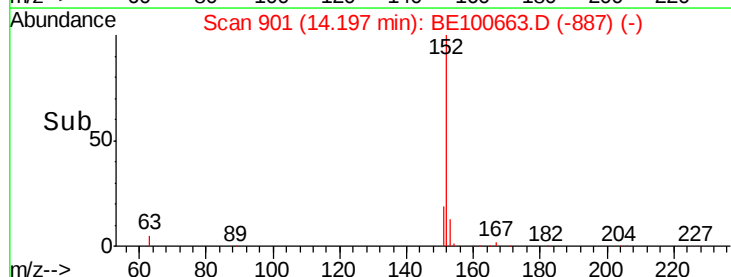
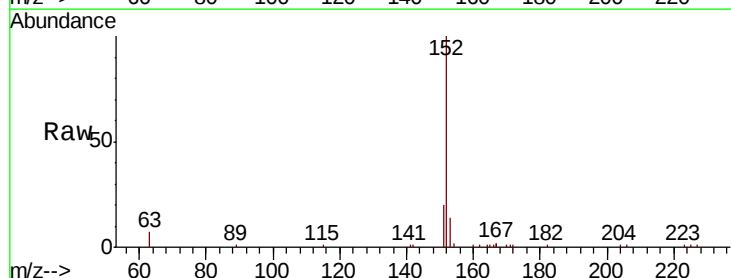
Instrument :
BNA_E
ClientSampleId :
PB124100BS

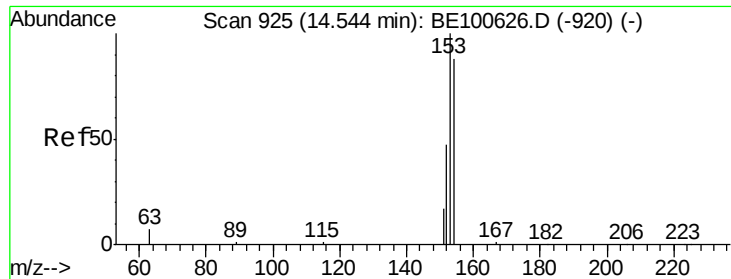
Tot Ion:172 Resp: 10961
Ion Ratio Lower Upper
172 100
171 33.8 26.5 39.7
170 23.8 19.0 28.4



#16
Acenaphthylene
Concen: 0.306 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

Tgt Ion:152 Resp: 12725
Ion Ratio Lower Upper
152 100
151 19.7 15.2 22.8
153 13.2 10.3 15.5

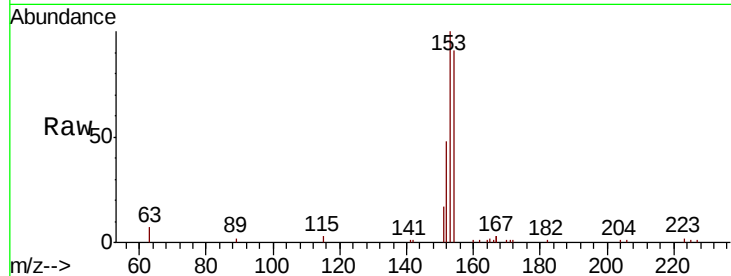




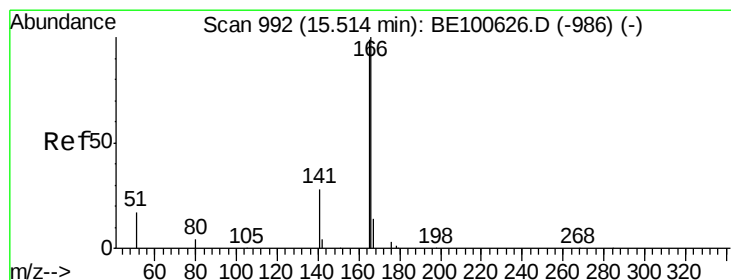
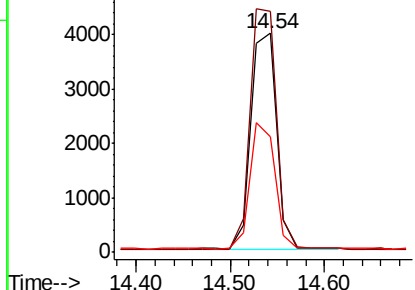
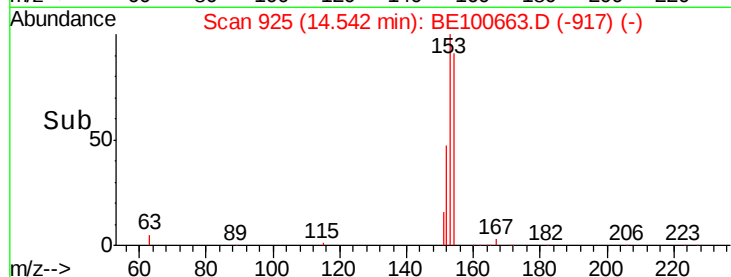
#17
Acenaphthene
Concen: 0.283 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

Instrument :
BNA_E
ClientSampleId :
PB124100BS

Tot Ion:154 Resp: 7592
Ion Ratio Lower Upper
154 100
153 113.4 89.4 134.2
152 56.8 44.1 66.1

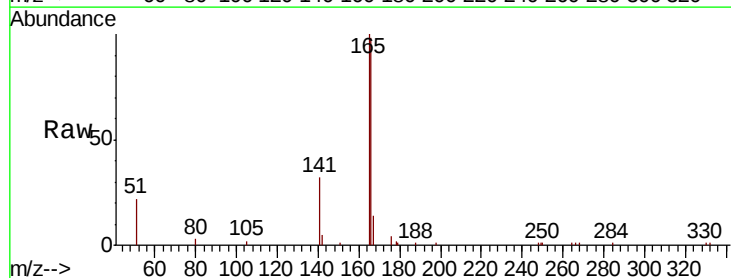


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

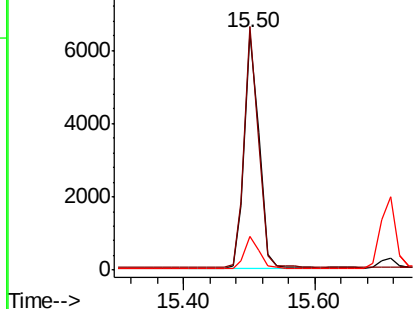
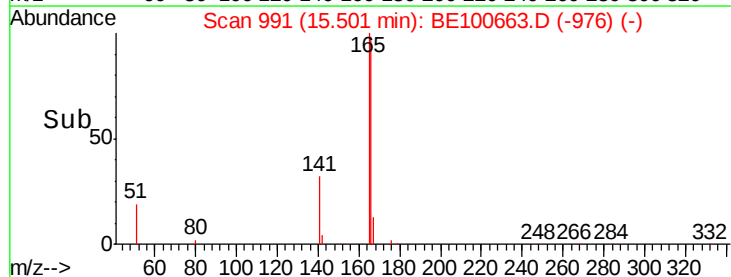


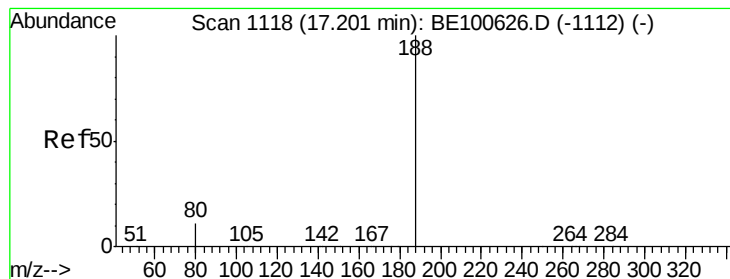
#18
Fluorene
Concen: 0.281 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

Tgt Ion:166 Resp: 10024
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 13.2 10.9 16.3



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: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

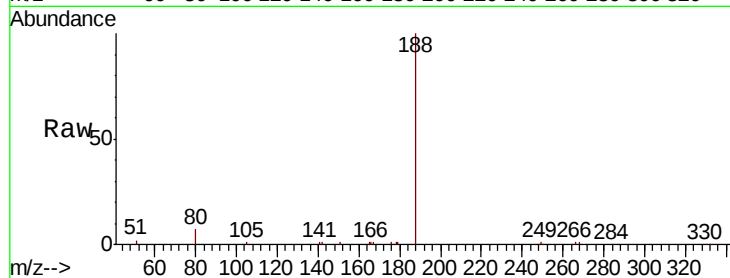
Tot Ion:188 Resp: 20827

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

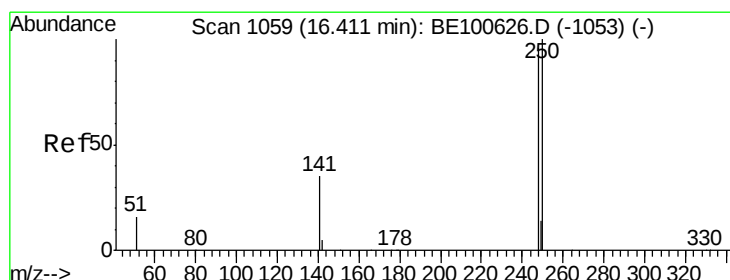
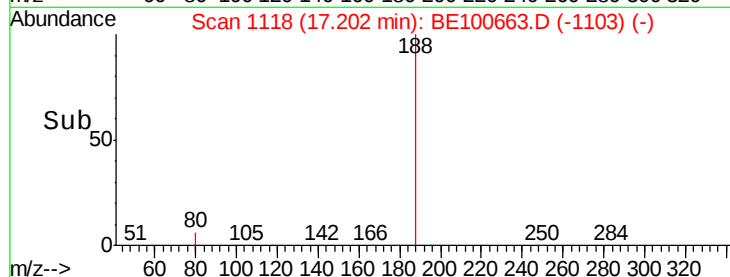
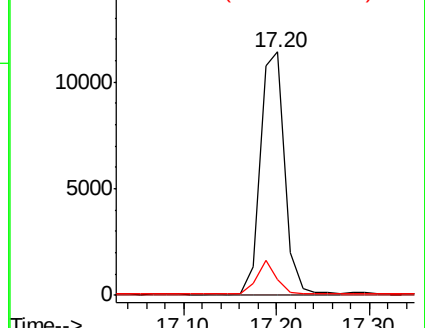
80 6.7 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.300 ng

RT: 16.40 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

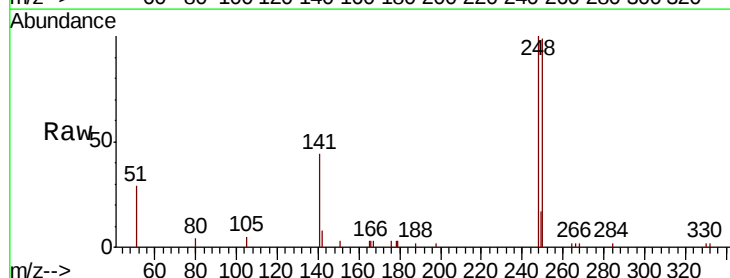
Tgt Ion:248 Resp: 3175

Ion Ratio Lower Upper

248 100

250 99.1 76.3 114.5

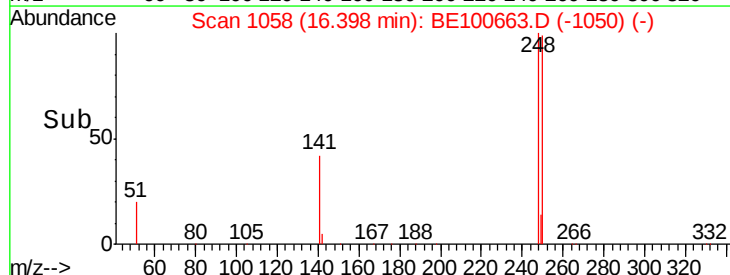
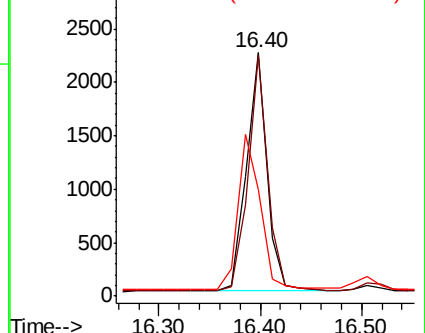
141 44.0 37.3 55.9

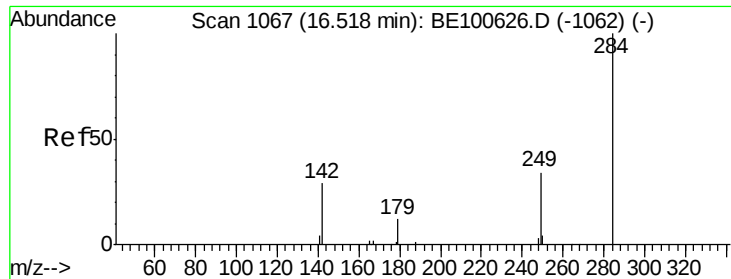


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

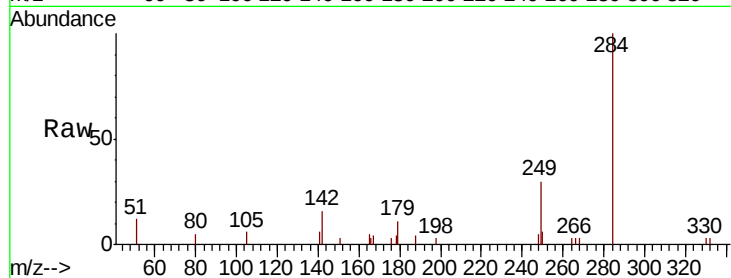




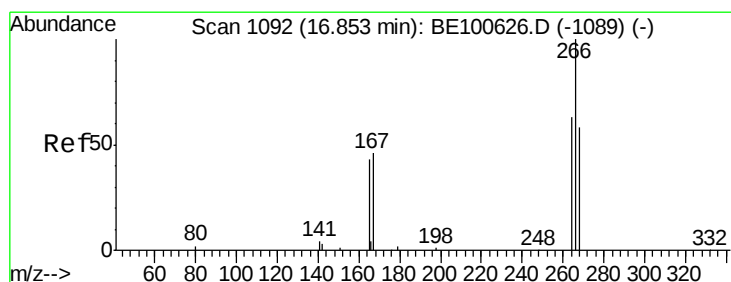
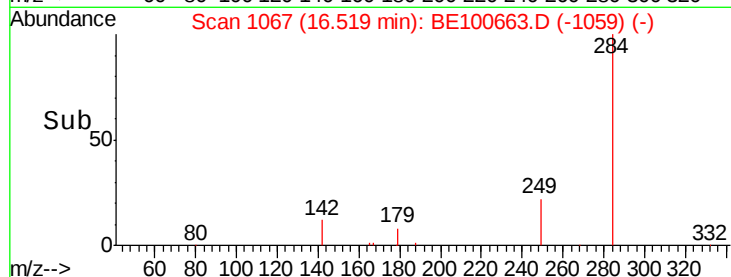
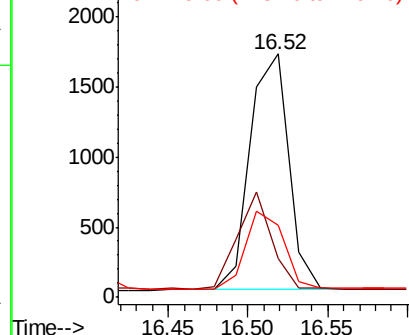
#21
Hexachlorobenzene
Concen: 0.286 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

Instrument :
BNA_E
ClientSampleId :
PB124100BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	36.8	28.6	42.8
249	32.5	26.3	39.5

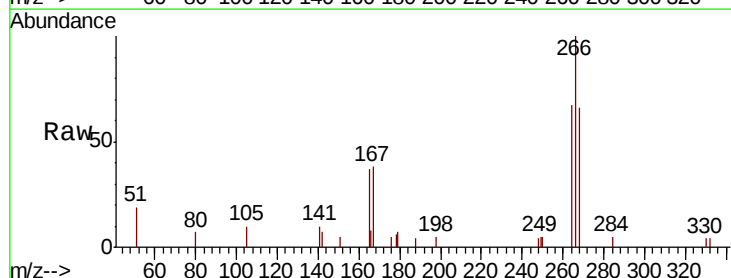


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

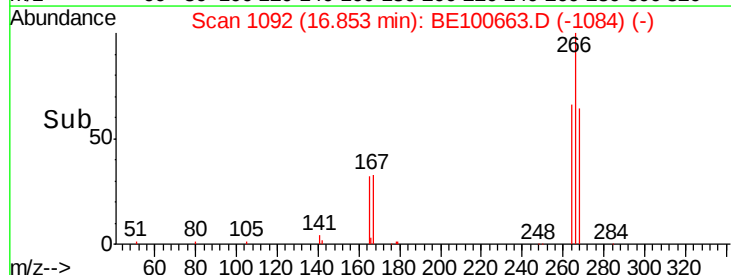
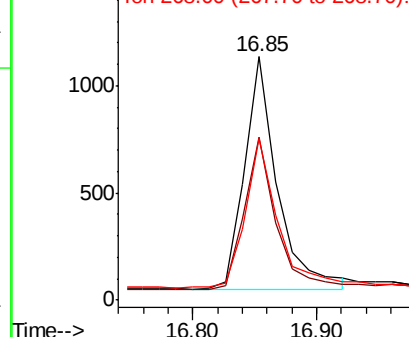


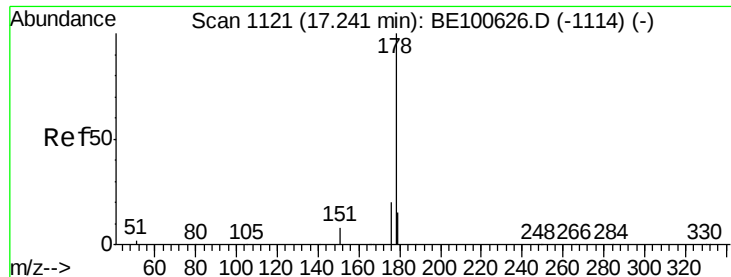
#22
Pentachlorophenol
Concen: 0.610 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.9	52.2	78.4
268	66.4	53.1	79.7



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: 0.293 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

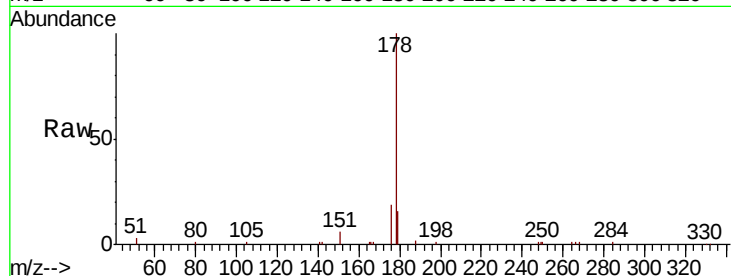
Tot Ion:178 Resp: 16803

Ion Ratio Lower Upper

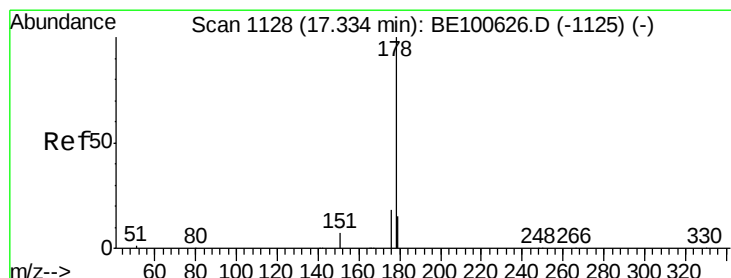
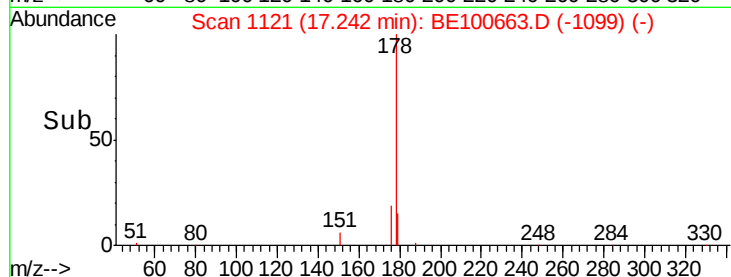
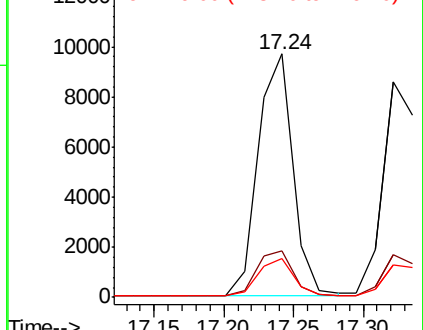
178 100

176 19.3 15.2 22.8

179 15.5 12.1 18.1



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: 0.285 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

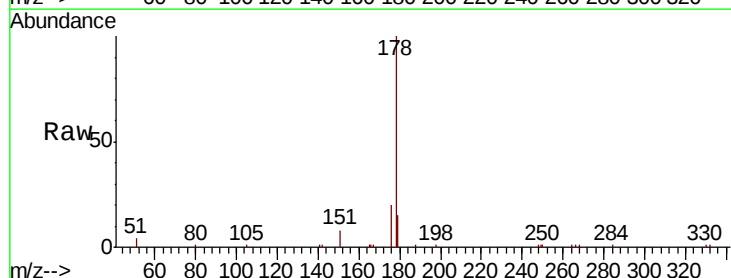
Tgt Ion:178 Resp: 15134

Ion Ratio Lower Upper

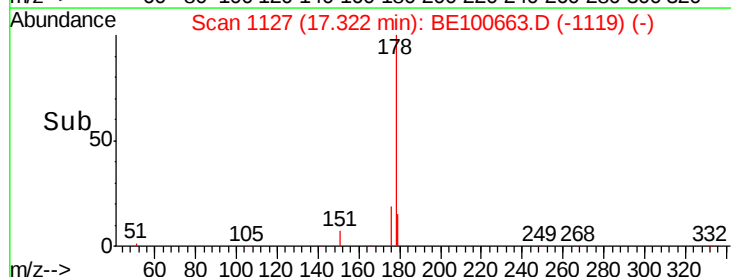
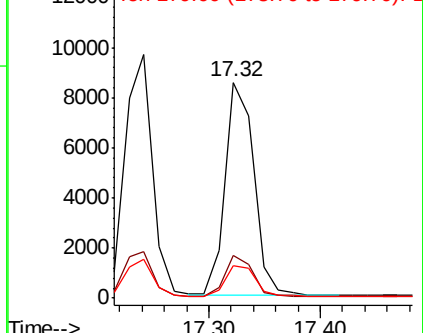
178 100

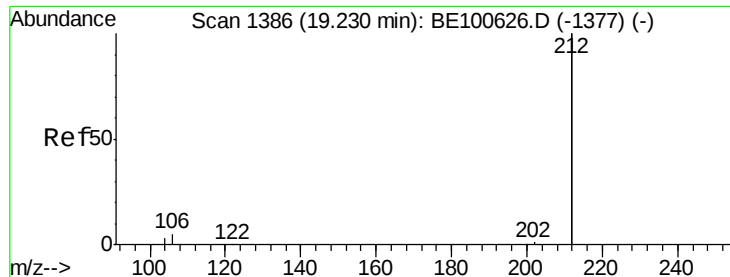
176 18.4 15.0 22.4

179 15.0 12.5 18.7



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

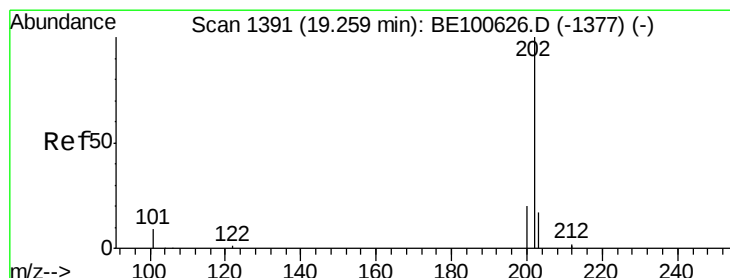
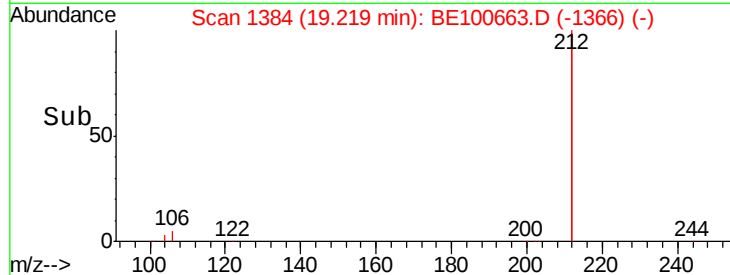
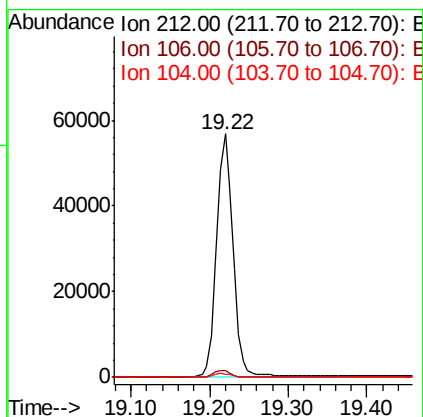
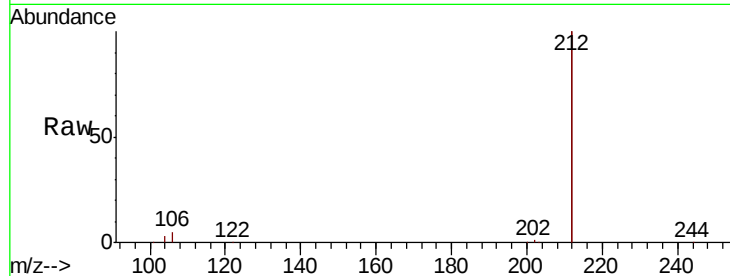




#25
 Fluoranthene-d10
 Concen: 0.299 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BE100663.D
 Acq: 23 Oct 2019 16:02

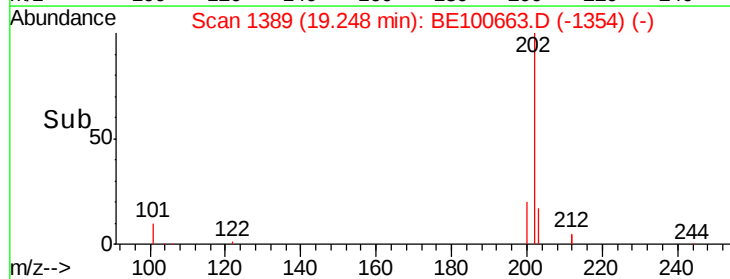
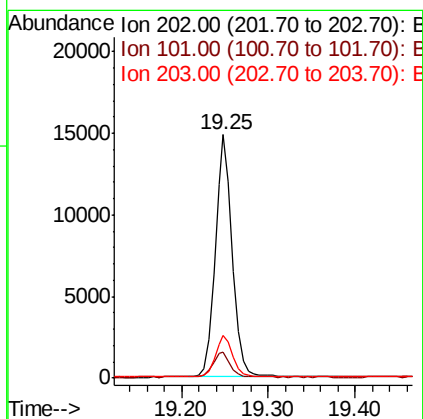
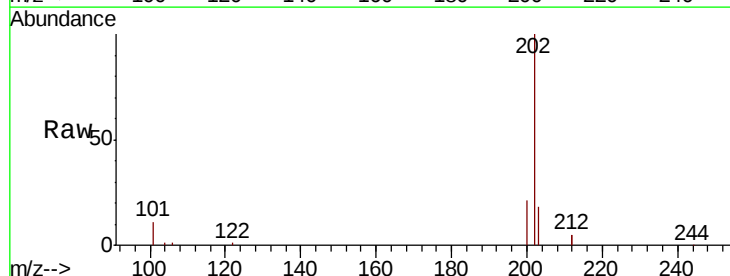
Instrument :
 BNA_E
 ClientSampleId :
 PB124100BS

Tot Ion:212 Resp: 80375
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.3 3.5
 104 1.5 1.3 1.9



#26
 Fluoranthene
 Concen: 0.273 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BE100663.D
 Acq: 23 Oct 2019 16:02

Tgt Ion:202 Resp: 20439
 Ion Ratio Lower Upper
 202 100
 101 10.6 8.5 12.7
 203 17.1 13.8 20.8

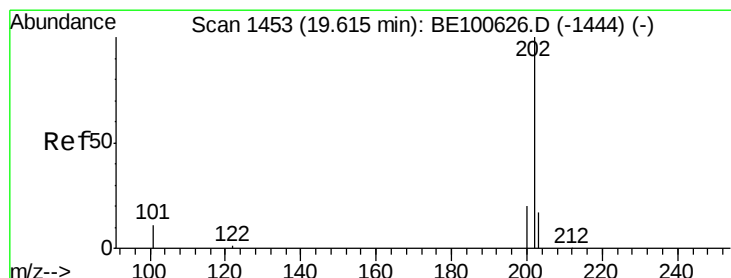
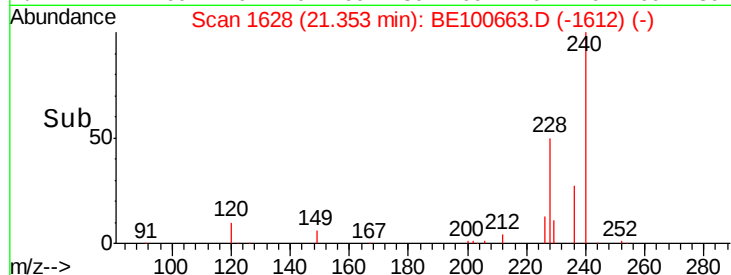
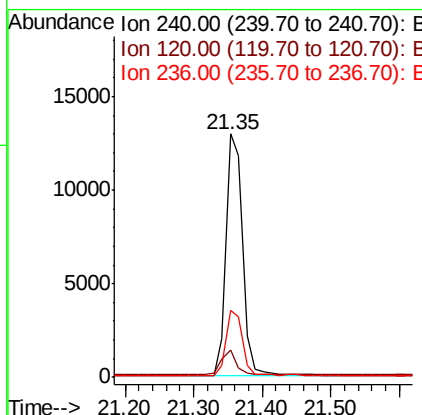
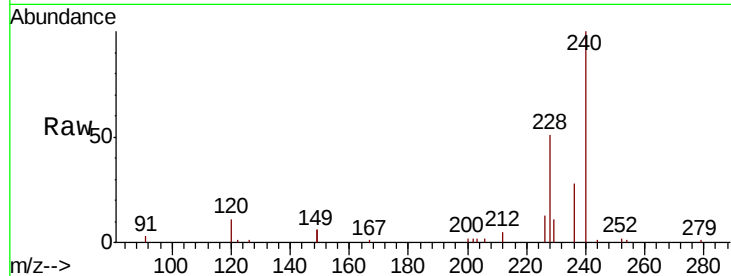




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

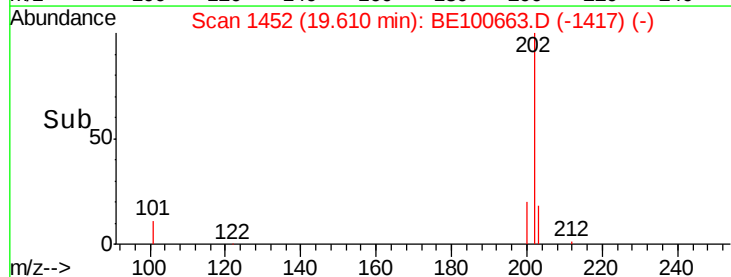
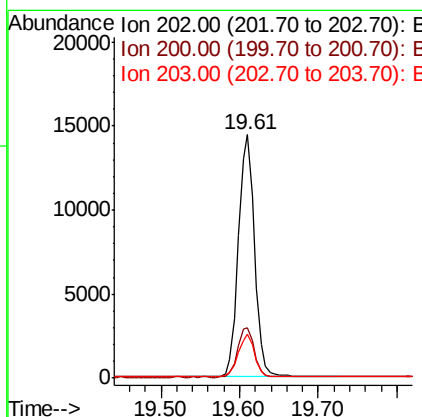
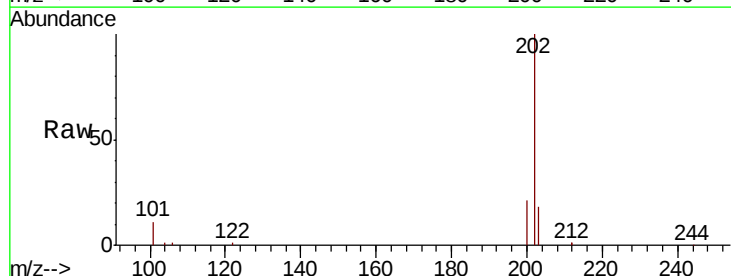
Instrument :
BNA_E
ClientSampleId :
PB124100BS

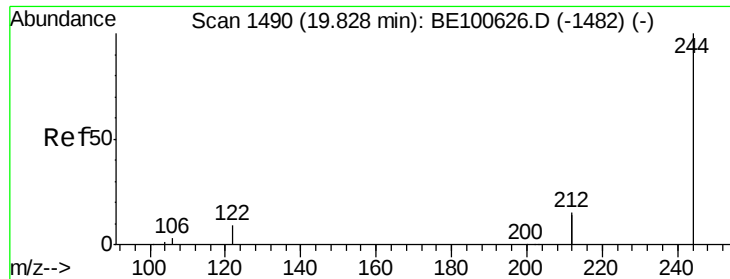
Tot Ion:240 Resp: 21807
Ion Ratio Lower Upper
240 100
120 11.1 7.6 11.4
236 27.6 22.1 33.1



#28
Pyrene
Concen: 0.342 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE100663.D
Acq: 23 Oct 2019 16:02

Tgt Ion:202 Resp: 20812
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 17.9 14.0 21.0





#29

Terphenyl-d14

Concen: 0.376 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

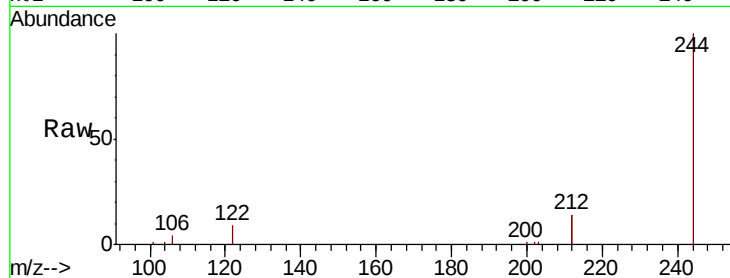
Tot Ion:244 Resp: 17908

Ion Ratio Lower Upper

244 100

212 28.8 23.7 35.5

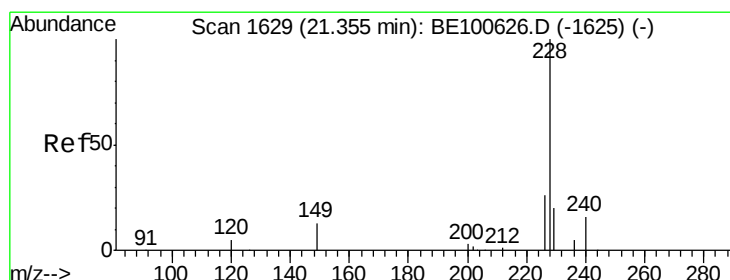
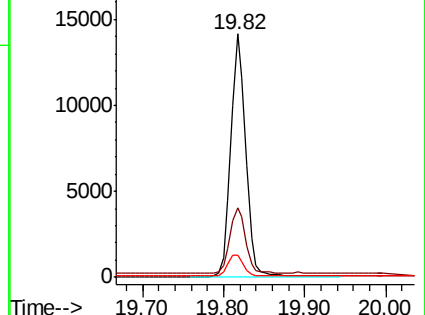
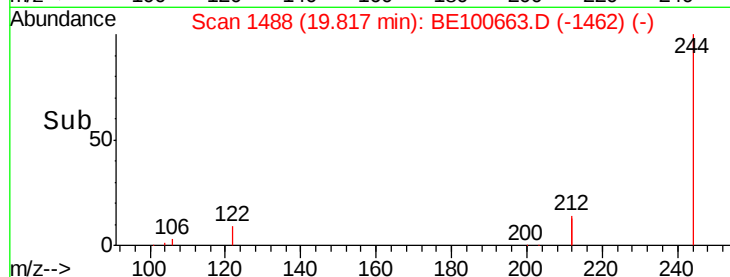
122 9.0 7.9 11.9



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: 0.282 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

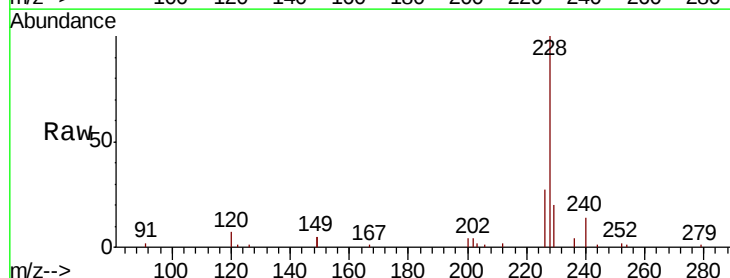
Tgt Ion:228 Resp: 20068

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

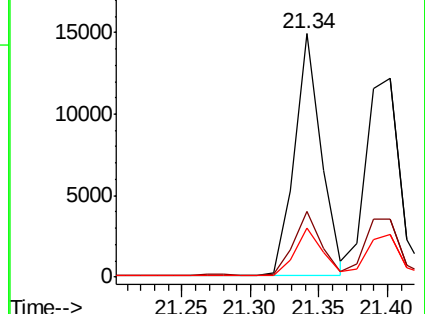
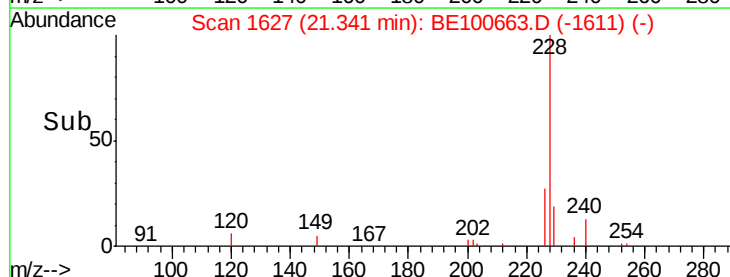
229 19.9 16.0 24.0



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: 0.288 ng

RT: 21.40 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

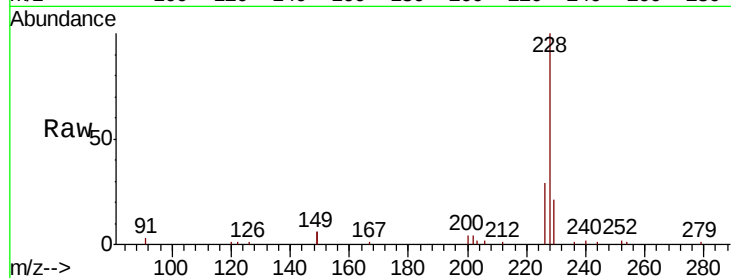
Tot Ion:228 Resp: 20463

Ion Ratio Lower Upper

228 100

226 29.1 24.6 37.0

229 21.1 15.8 23.8

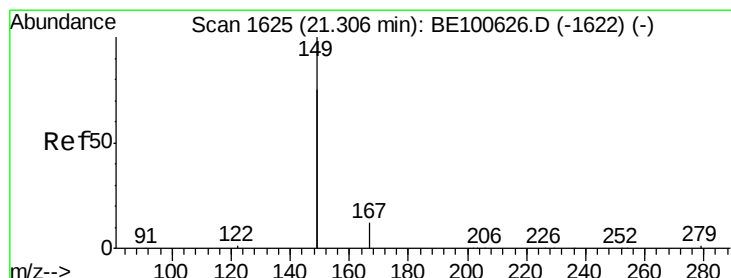
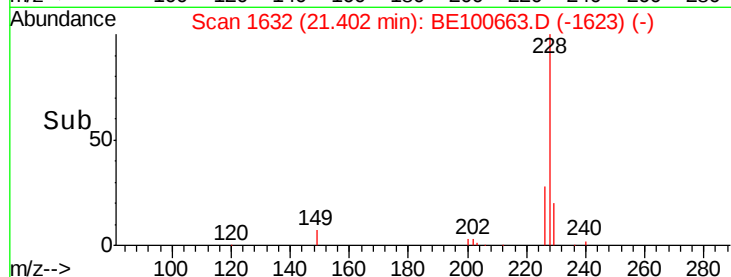
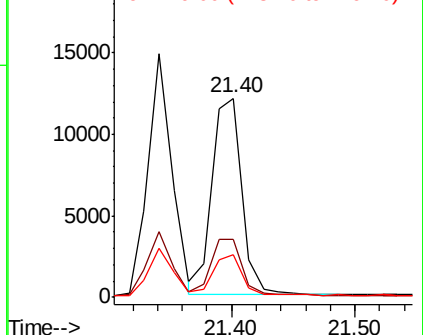


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.294 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

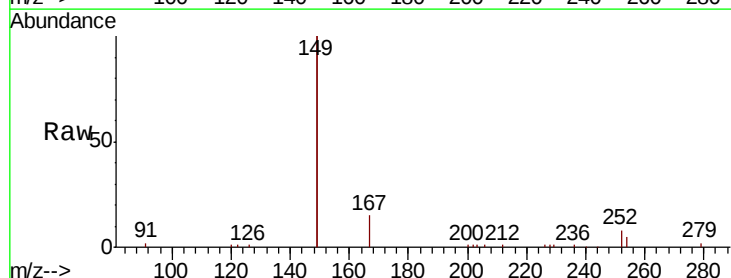
Tgt Ion:149 Resp: 43730

Ion Ratio Lower Upper

149 100

167 7.2 5.5 8.3

279 1.1 0.9 1.3

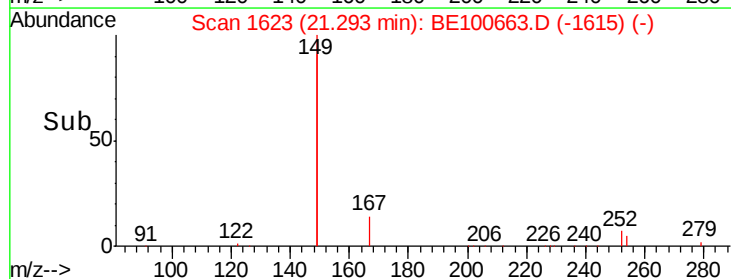
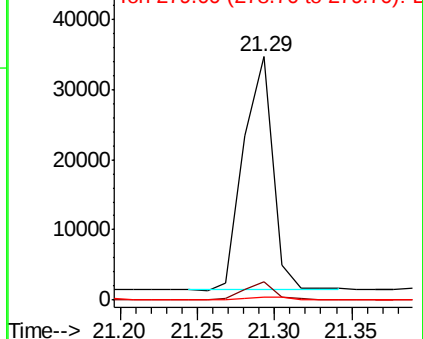


Abundance

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: 0.410 ng

RT: 26.44 min Scan# 2916

Delta R.T. 0.01 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

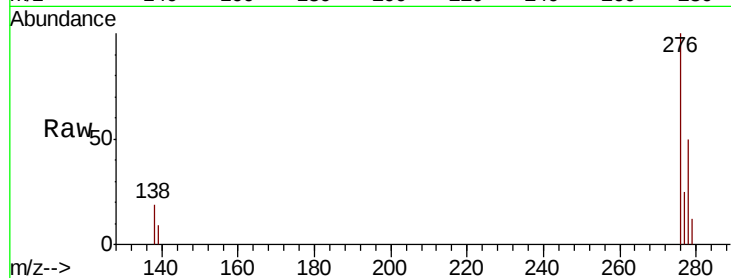
Tot Ion:276 Resp: 35809

Ion Ratio Lower Upper

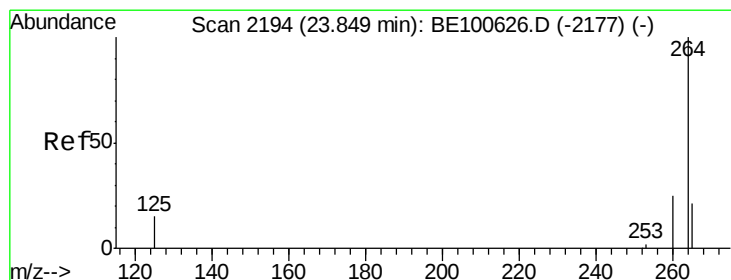
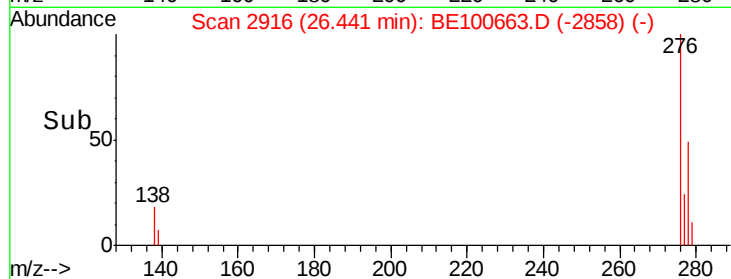
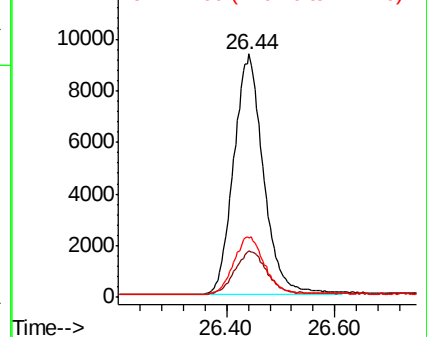
276 100

138 18.9 15.3 22.9

277 24.4 19.4 29.2



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: 23.83 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

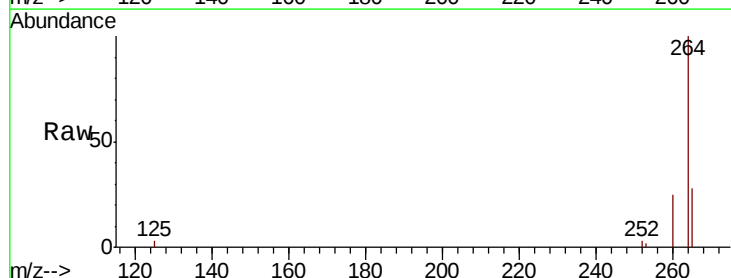
Tgt Ion:264 Resp: 31051

Ion Ratio Lower Upper

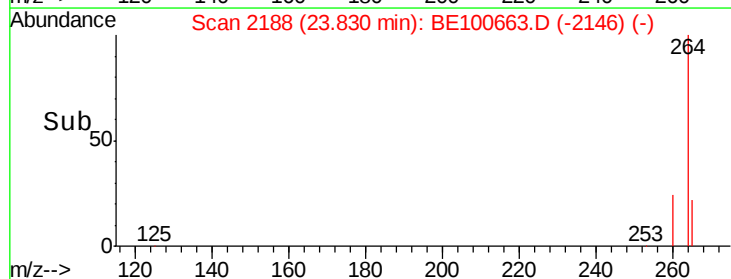
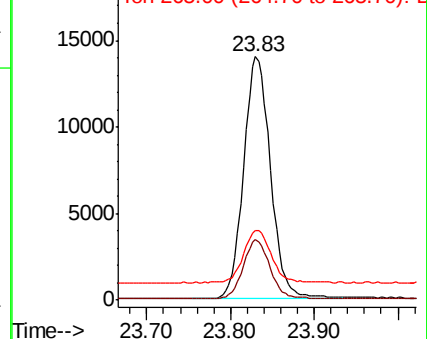
264 100

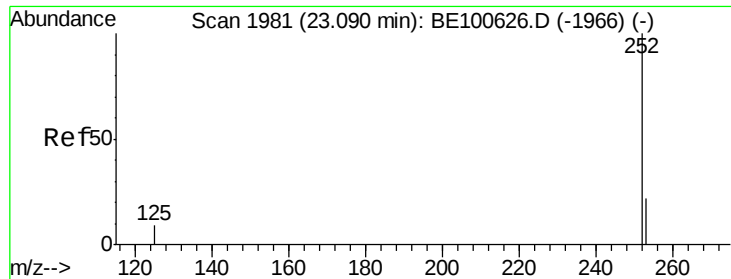
260 24.8 19.4 29.2

265 28.5 21.7 32.5



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: 0.273 ng

RT: 23.07 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

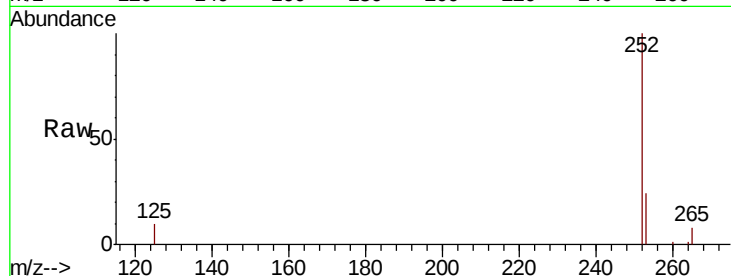
Tot Ion:252 Resp: 24740

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

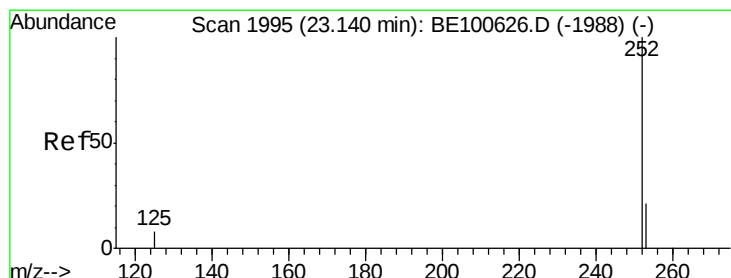
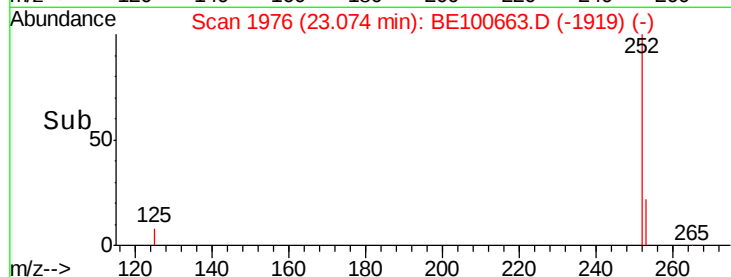
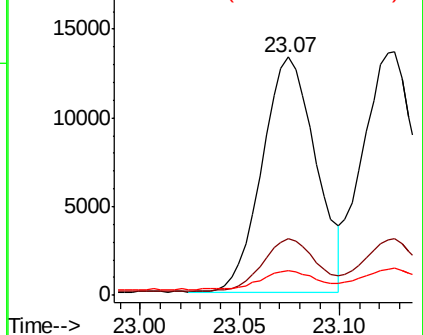
125 10.4 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 0.286 ng

RT: 23.13 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

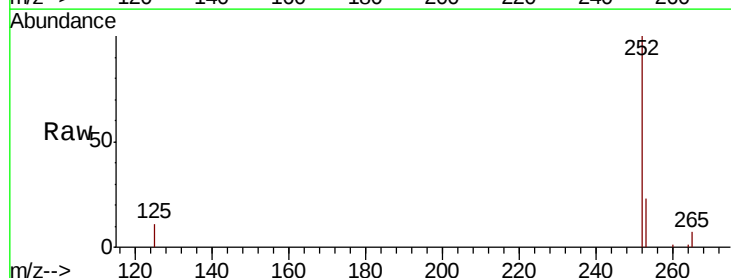
Tgt Ion:252 Resp: 26601

Ion Ratio Lower Upper

252 100

253 23.5 18.4 27.6

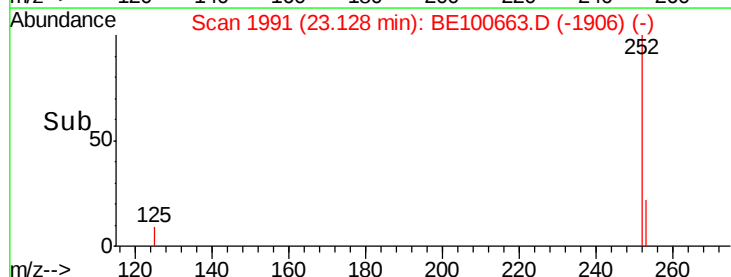
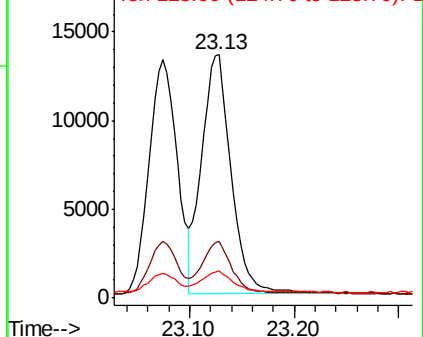
125 11.0 11.6 17.4#

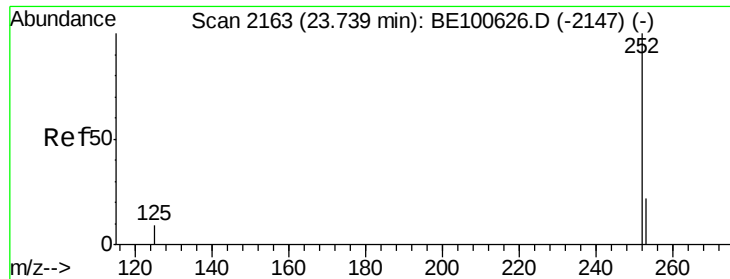


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.315 ng

RT: 23.72 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

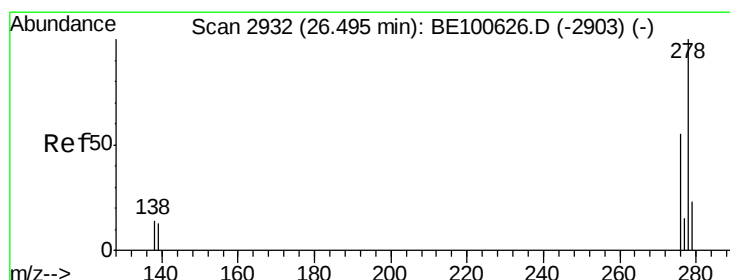
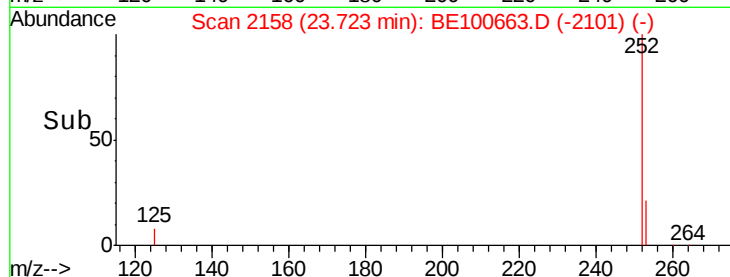
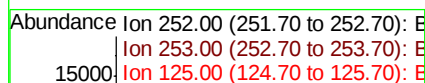
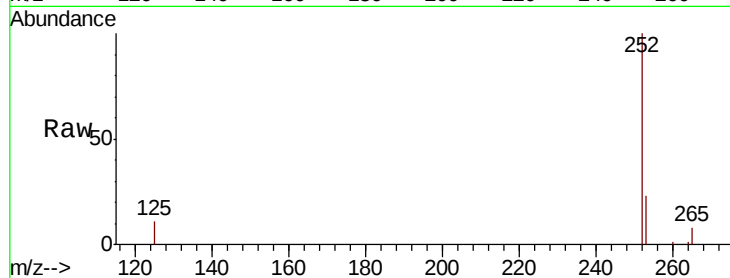
Tot Ion:252 Resp: 26511

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

125 11.2 8.2 12.4



#38

Dibenzo(a,h)anthracene

Concen: 0.339 ng

RT: 26.46 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

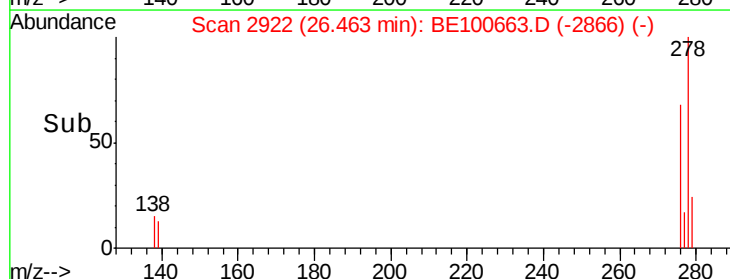
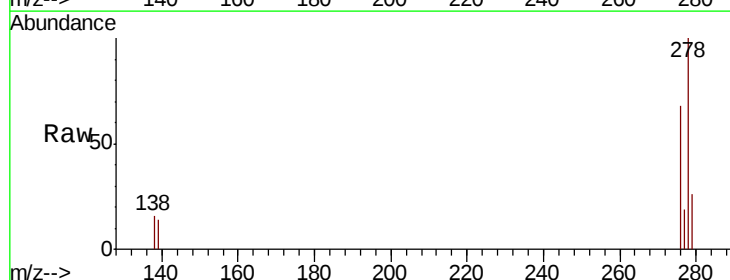
Tgt Ion:278 Resp: 29568

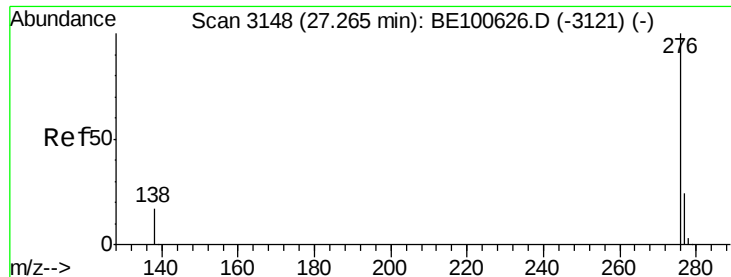
Ion Ratio Lower Upper

278 100

139 14.1 10.9 16.3

279 25.6 19.4 29.2





#39

Benzo(a,h,i)perylene

Concen: 0.349 ng

RT: 27.23 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BE100663.D

Acq: 23 Oct 2019 16:02

Instrument :

BNA_E

ClientSampleId :

PB124100BS

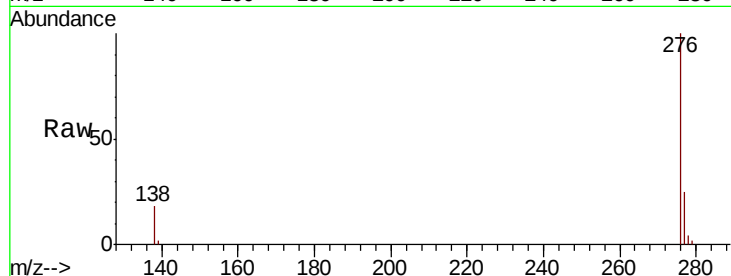
Tot Ion: 276 Resp: 30554

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 18.1 13.6 20.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

