

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE072319\
 Data File : BE100492.D
 Acq On : 23 Jul 2019 9:11
 Operator : HP/JU
 Sample : PB121536BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB121536BS

Quant Time: Jul 24 02:04:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 23 08:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	3093	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	11878	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	6516	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	14427	0.40	ng	0.00
27) Chrysene-d12	21.38	240	17512	0.40	ng	0.00
34) Perylene-d12	23.85	264	21337	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	2971	0.39	ng	0.00
5) Phenol-d6	7.03	99	4114	0.38	ng	0.00
8) Nitrobenzene-d5	9.02	82	3327	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	8840	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	1065	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7893	0.30	ng	0.00
25) Fluoranthene-d10	19.24	212	57744	0.29	ng	0.00
29) Terphenyl-d14	19.83	244	10383	0.24	ng	0.00

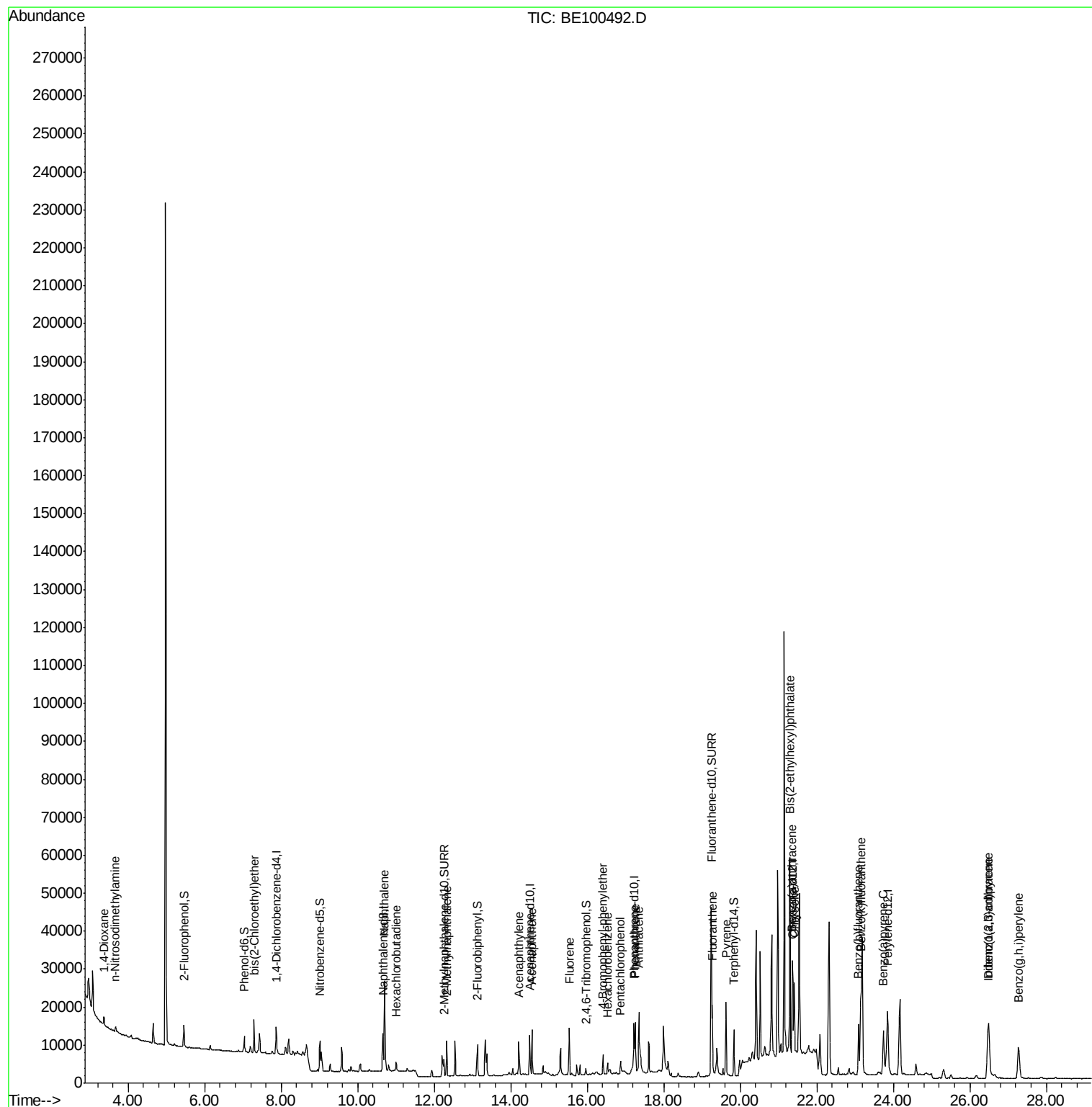
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	1643	0.305	ng	# 78
3) n-Nitrosodimethylamine	3.67	42	1056	0.373	ng	# 90
6) bis(2-Chloroethyl)ether	7.29	93	3241	0.350	ng	98
9) Naphthalene	10.71	128	37987	0.333	ng	100
10) Hexachlorobutadiene	11.00	225	1715	0.314	ng	98
12) 2-Methylnaphthalene	12.32	142	6532	0.318	ng	98
16) Acenaphthylene	14.21	152	9745	0.323	ng	98
17) Acenaphthene	14.56	154	5845	0.322	ng	97
18) Fluorene	15.53	166	7556	0.312	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	2434	0.355	ng	# 76
21) Hexachlorobenzene	16.53	284	2333	0.330	ng	98
22) Pentachlorophenol	16.87	266	1717	0.611	ng	93
23) Phenanthrene	17.26	178	12053	0.341	ng	99
24) Anthracene	17.35	178	12266	0.364	ng	99
26) Fluoranthene	19.27	202	16476	0.324	ng	# 92
28) Pyrene	19.63	202	16985	0.311	ng	99
30) Benzo(a)anthracene	21.35	228	17803	0.333	ng	97
31) Chrysene	21.41	228	16258	0.308	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	60467	0.492	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.47	276	24500	0.426	ng	99
35) Benzo(b)fluoranthene	23.09	252	18796	0.322	ng	99
36) Benzo(k)fluoranthene	23.14	252	14384	0.235	ng	# 52
37) Benzo(a)pyrene	23.74	252	19382	0.341	ng	97
38) Dibenzo(a,h)anthracene	26.50	278	20216	0.377	ng	98
39) Benzo(g,h,i)perylene	27.27	276	21036	0.383	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

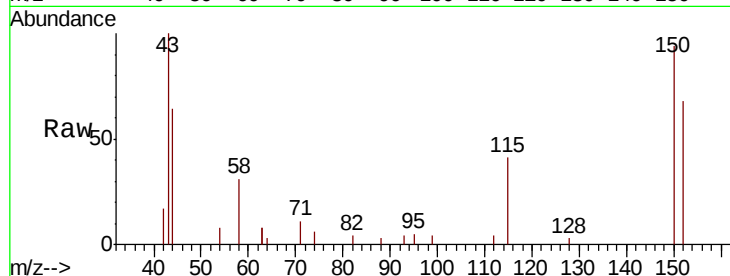
Tgt Ion:152 Resp: 3093

Ion Ratio Lower Upper

152 100

150 138.4 115.0 172.6

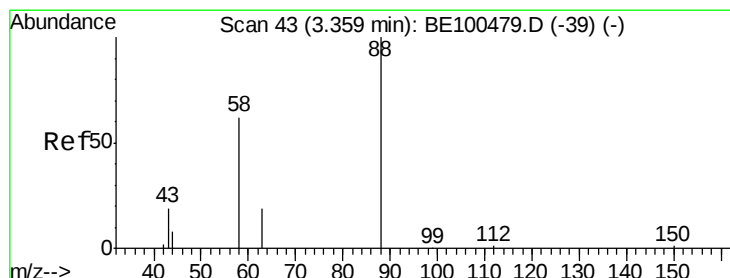
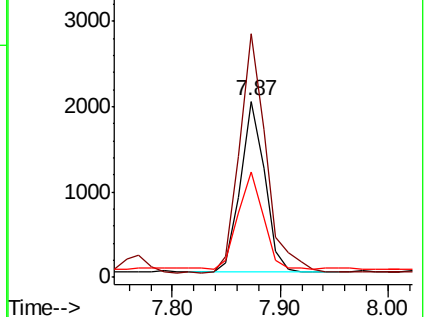
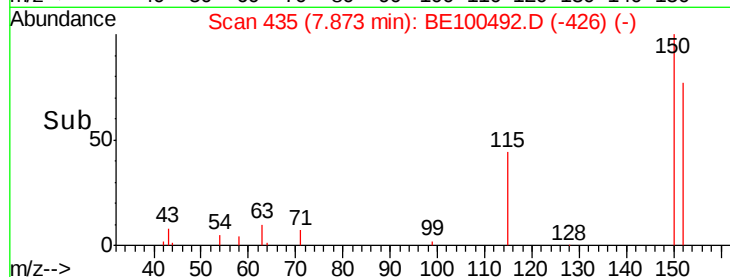
115 60.0 52.9 79.3



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: 0.305 ng

RT: 3.37 min Scan# 44

Delta R.T. 0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

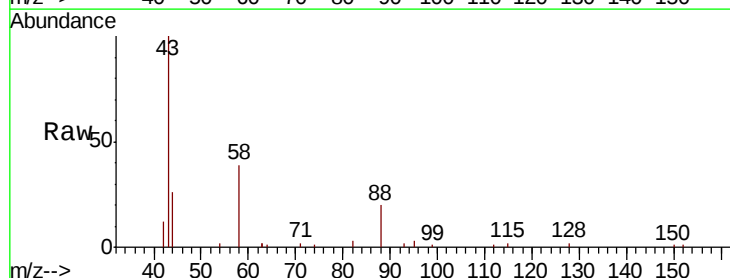
Tgt Ion: 88 Resp: 1643

Ion Ratio Lower Upper

88 100

58 75.2 53.2 79.8

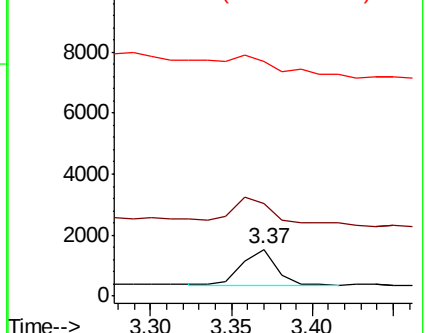
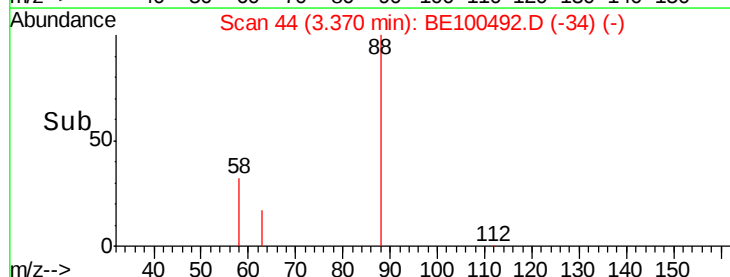
43 0.0 20.8 31.2#

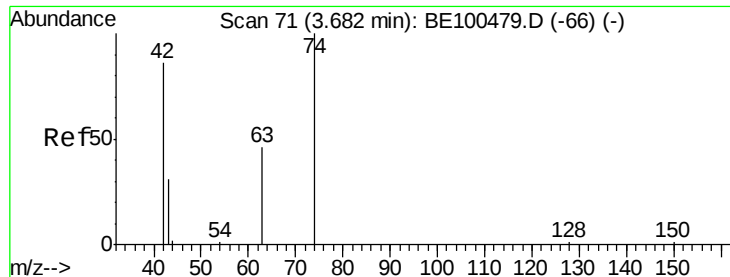


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.373 ng

RT: 3.67 min Scan# 70

Delta R.T. -0.01 min

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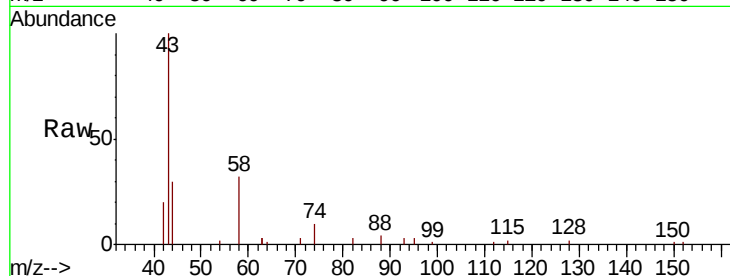
Tgt Ion: 42 Resp: 1056

Ion Ratio Lower Upper

42 100

74 159.3 0.0 0.0#

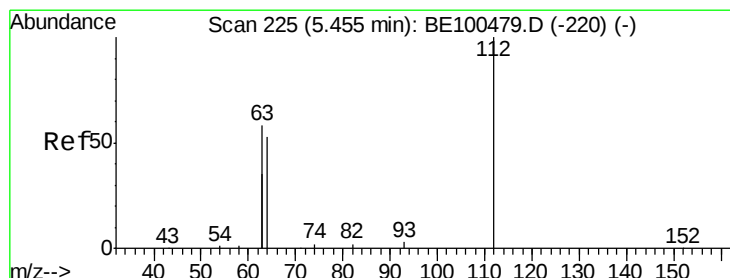
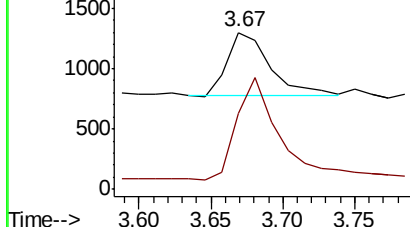
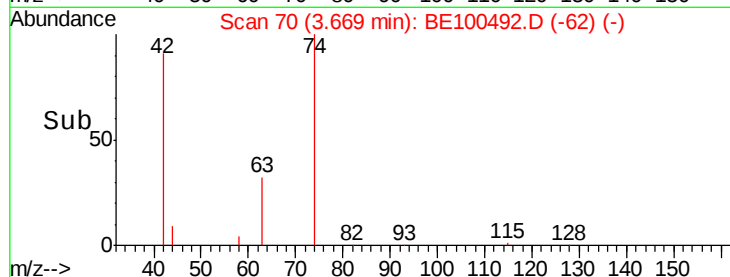
44 15.7 9.6 14.4#



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: 0.394 ng

RT: 5.45 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

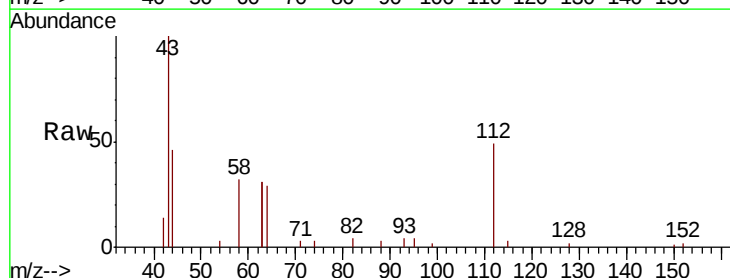
Tgt Ion: 112 Resp: 2971

Ion Ratio Lower Upper

112 100

64 64.4 54.1 81.1

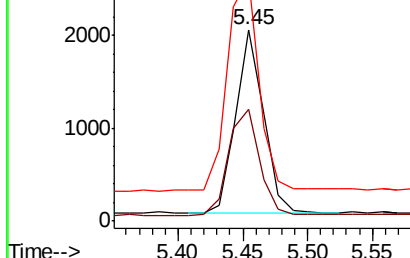
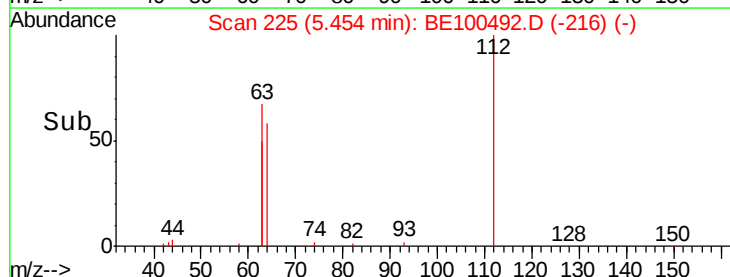
63 128.9 104.6 157.0

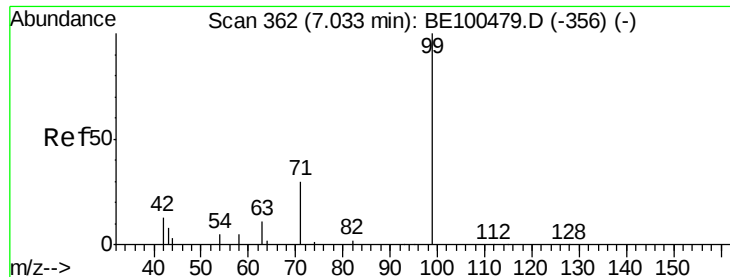


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.382 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

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PB121536BS

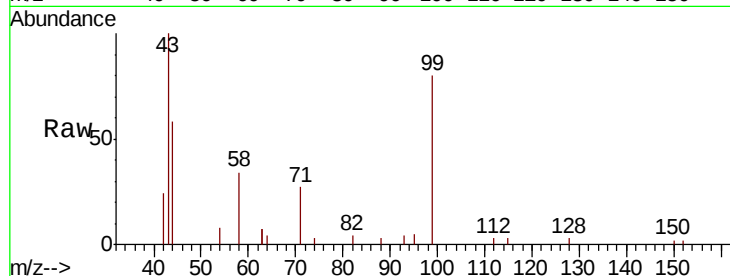
Tgt Ion: 99 Resp: 4114

Ion Ratio Lower Upper

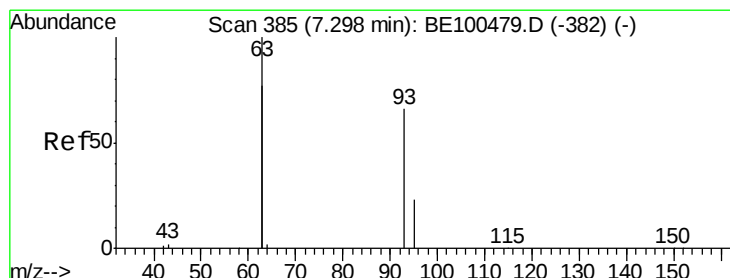
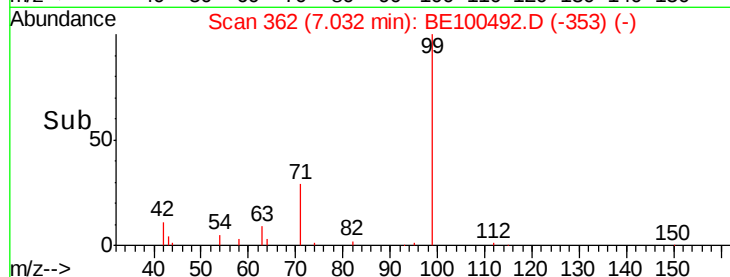
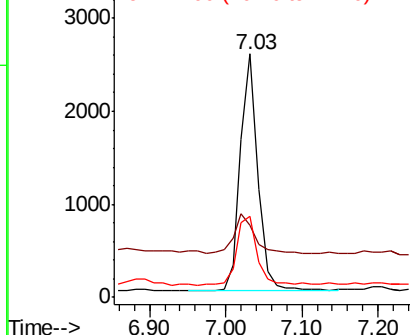
99 100

42 21.8 14.5 21.7#

71 35.5 26.4 39.6



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: 0.350 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

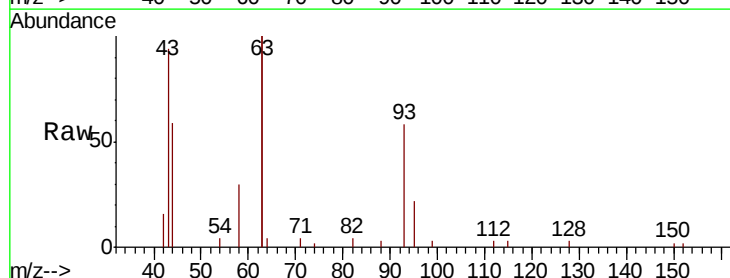
Tgt Ion: 93 Resp: 3241

Ion Ratio Lower Upper

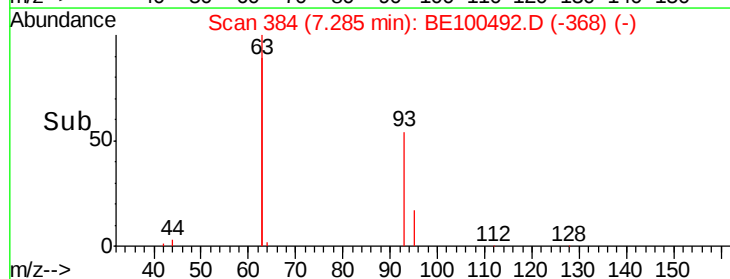
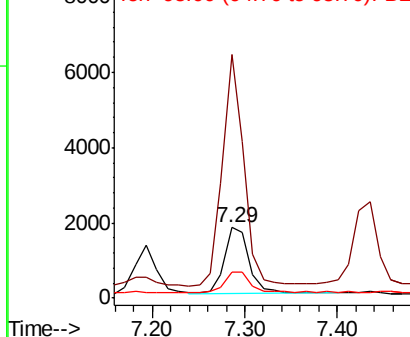
93 100

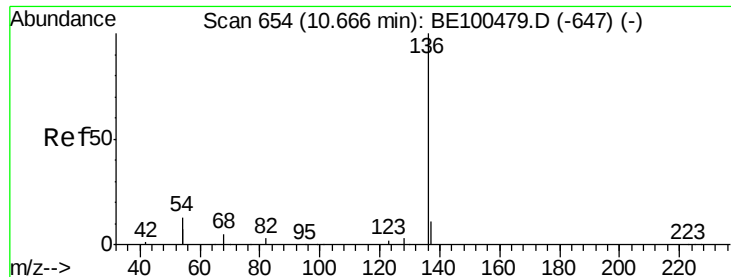
63 306.2 248.3 372.5

95 32.0 25.4 38.0



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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

Tgt Ion: 136 Resp: 11878

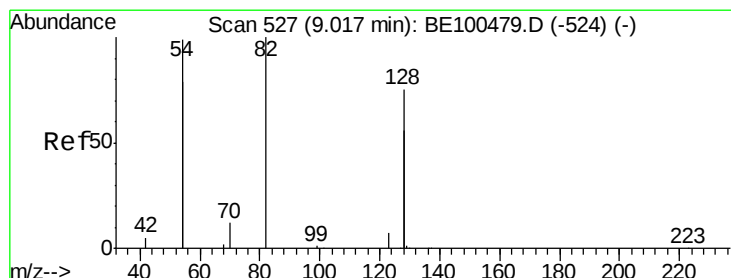
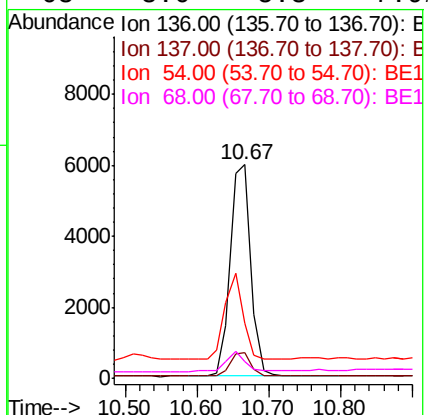
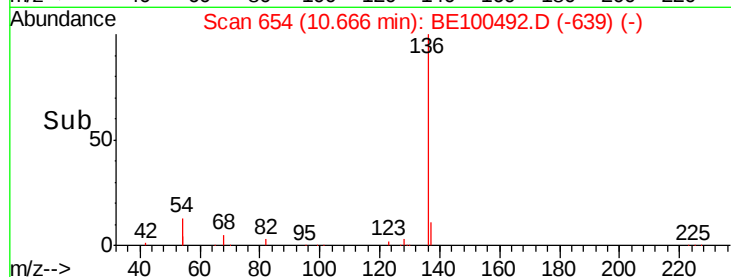
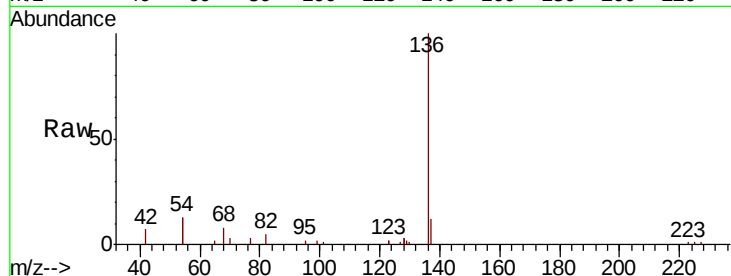
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.6

54 25.9 20.6 31.0

68 8.0 5.3 7.9#



#8

Nitrobenzene-d5

Concen: 0.337 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

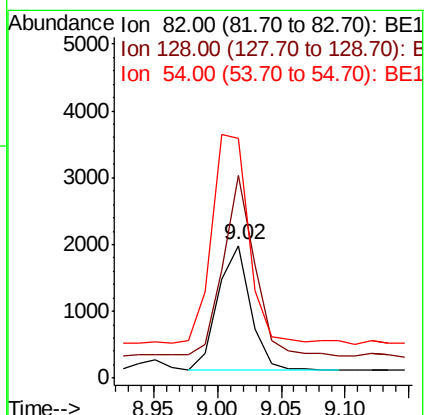
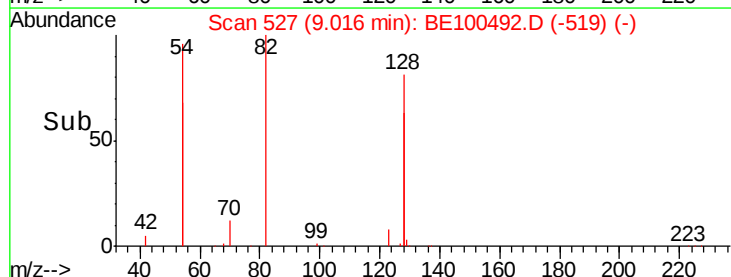
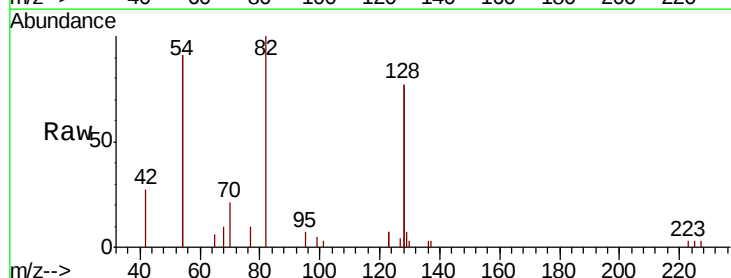
Tgt Ion: 82 Resp: 3327

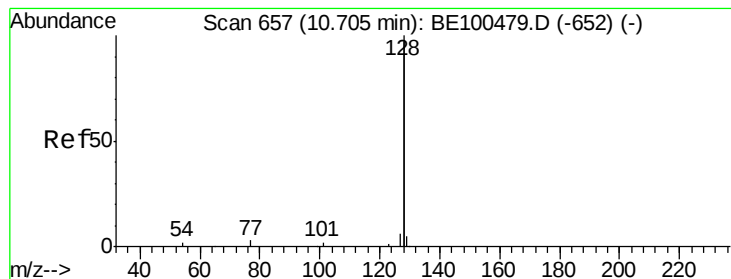
Ion Ratio Lower Upper

82 100

128 153.0 113.6 170.4

54 181.6 150.6 226.0





#9

Naphthalene

Concen: 0.333 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

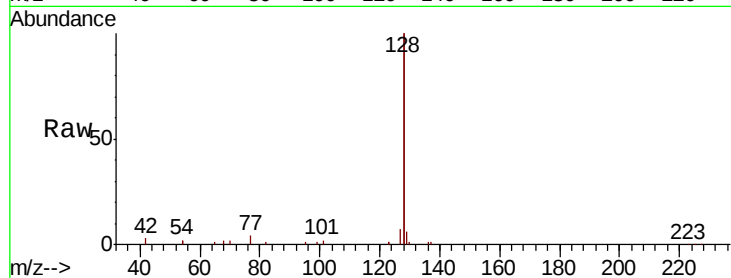
Tgt Ion:128 Resp: 37987

Ion Ratio Lower Upper

128 100

129 3.0 2.3 3.5

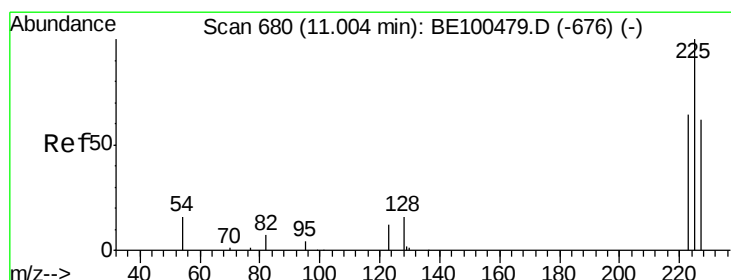
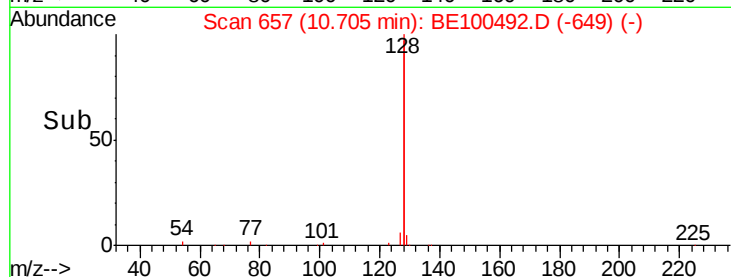
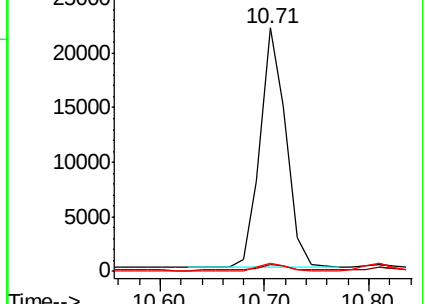
127 3.6 2.7 4.1



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: 0.314 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

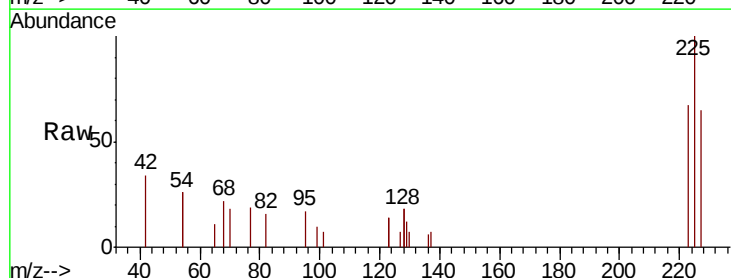
Tgt Ion:225 Resp: 1715

Ion Ratio Lower Upper

225 100

223 64.1 49.4 74.0

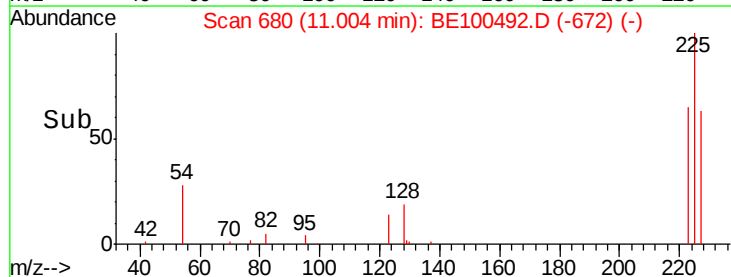
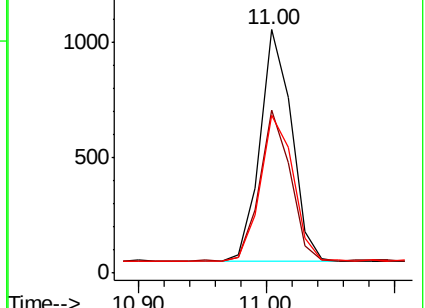
227 65.2 51.4 77.2

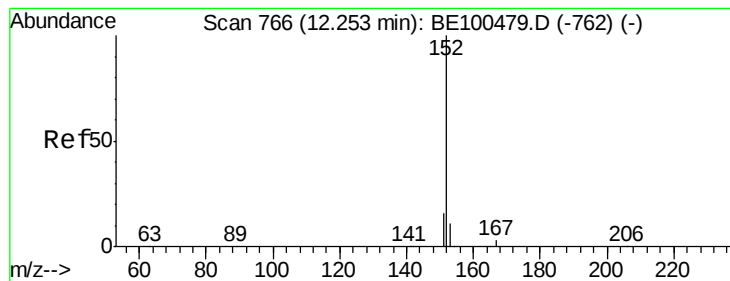


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.449 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

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ClientSampleId :

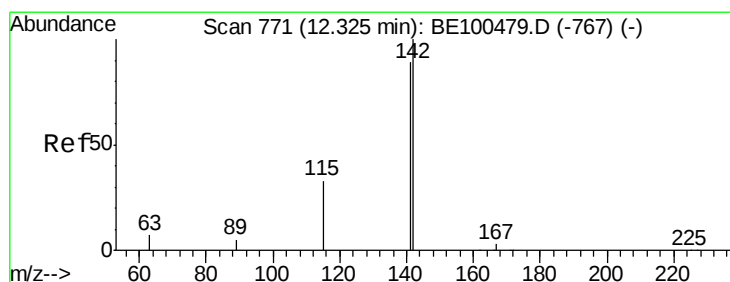
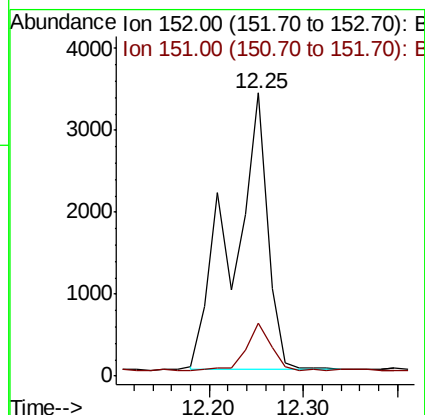
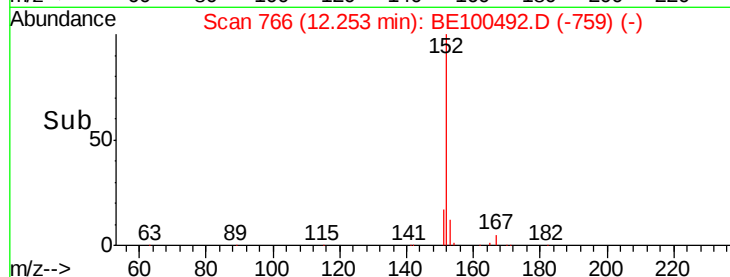
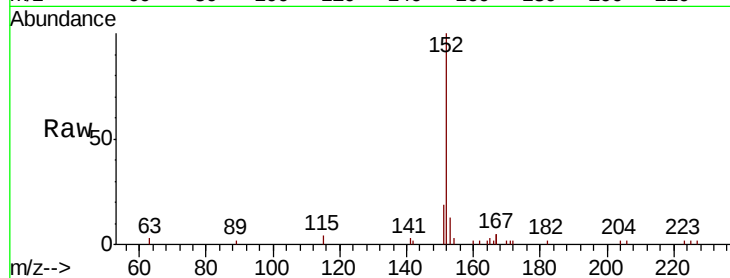
PB121536BS

Tgt Ion:152 Resp: 8840

Ion Ratio Lower Upper

152 100

151 11.9 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 0.318 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

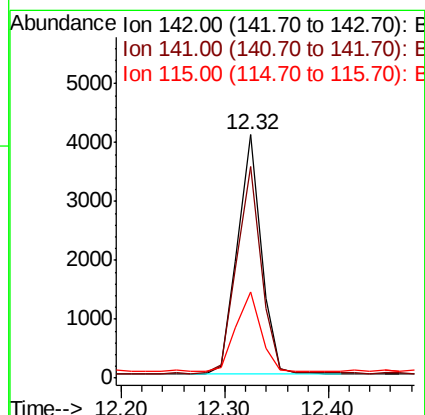
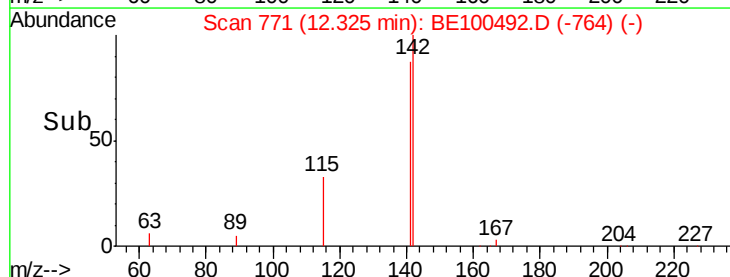
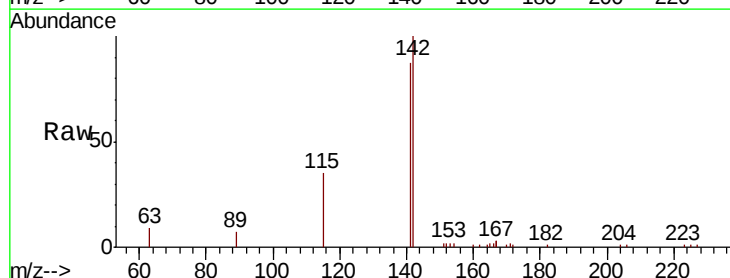
Tgt Ion:142 Resp: 6532

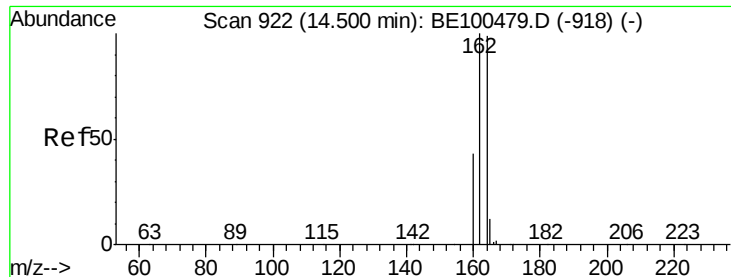
Ion Ratio Lower Upper

142 100

141 87.0 71.7 107.5

115 35.2 27.8 41.6

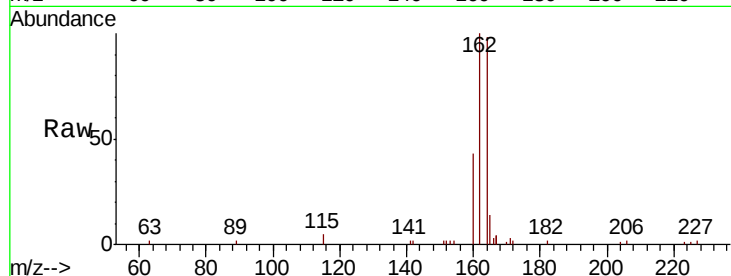




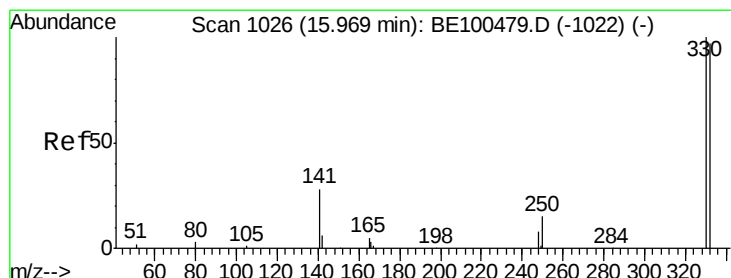
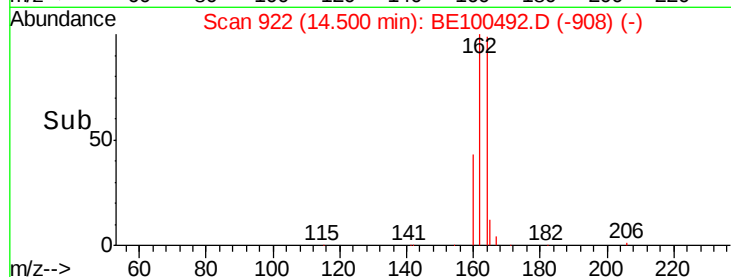
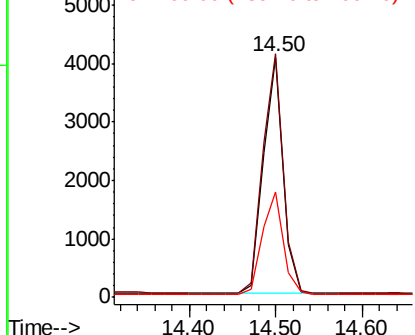
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100492.D
Acq: 23 Jul 2019 9:11

Instrument :
BNA_E
ClientSampleId :
PB121536BS

Tgt Ion:164 Resp: 6516
Ion Ratio Lower Upper
164 100
162 101.5 80.8 121.2
160 44.0 34.9 52.3

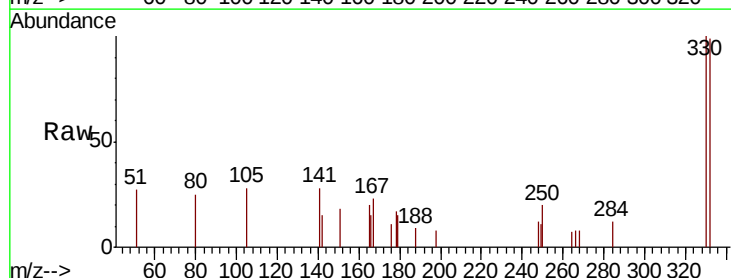


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

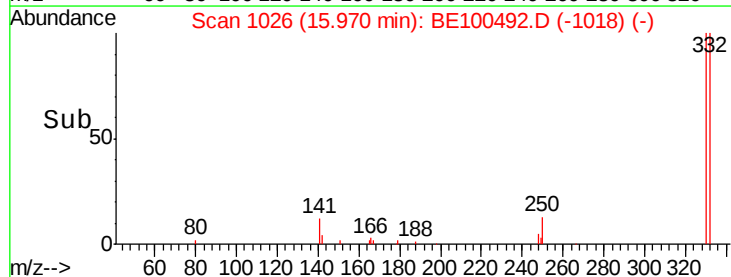
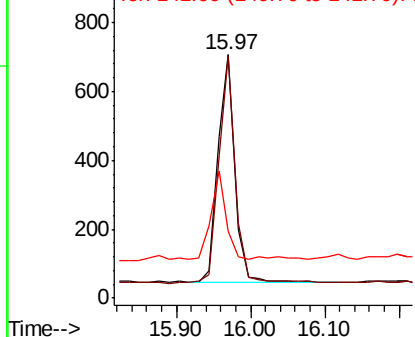


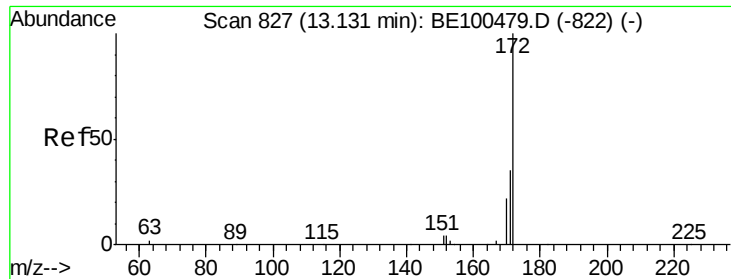
#14
2,4,6-Tribromophenol
Concen: 0.377 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE100492.D
Acq: 23 Jul 2019 9:11

Tgt Ion:330 Resp: 1065
Ion Ratio Lower Upper
330 100
332 97.5 80.5 120.7
141 33.8 29.9 44.9



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

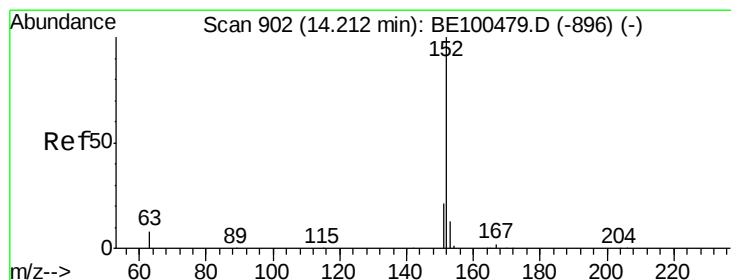
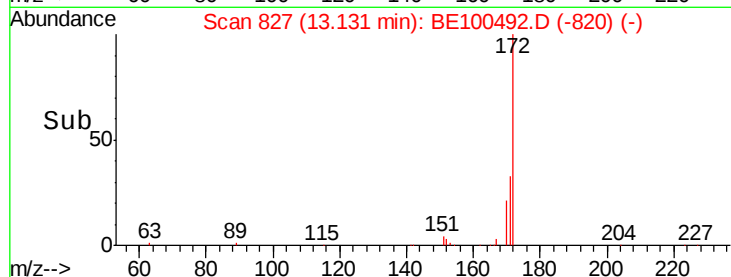
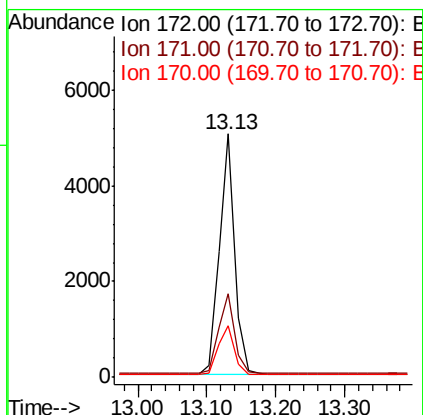
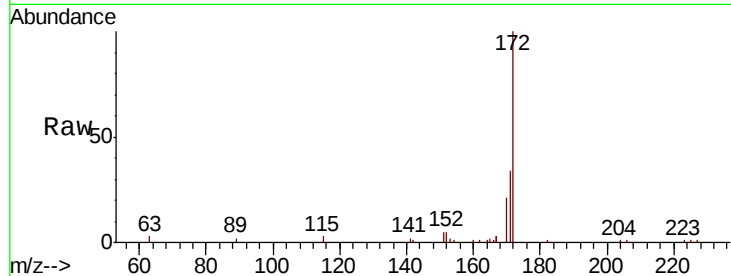




#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE100492.D
Acq: 23 Jul 2019 9:11

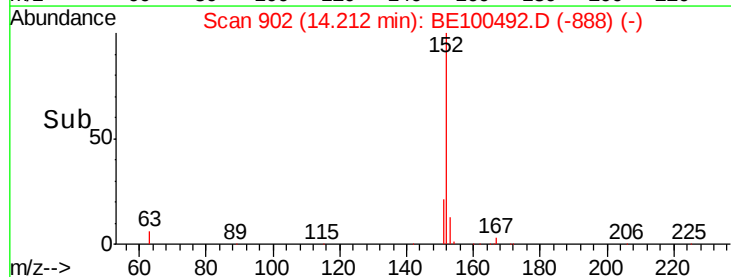
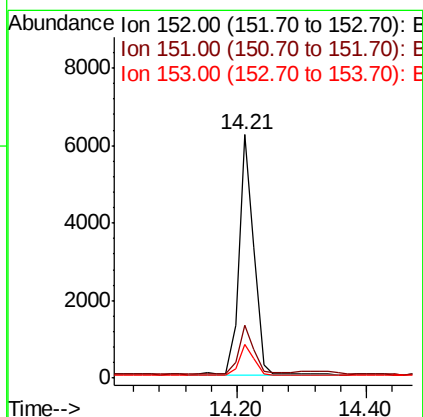
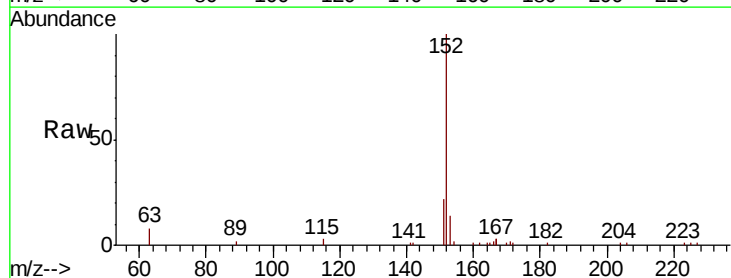
Instrument :
BNA_E
ClientSampleId :
PB121536BS

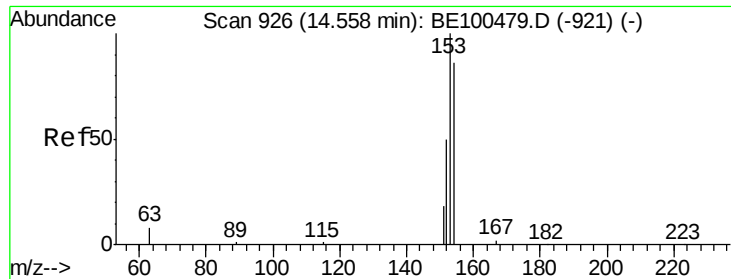
Tgt Ion:172 Resp: 7893
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 21.4 17.8 26.8



#16
Acenaphthylene
Concen: 0.323 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100492.D
Acq: 23 Jul 2019 9:11

Tgt Ion:152 Resp: 9745
Ion Ratio Lower Upper
152 100
151 21.7 16.1 24.1
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 0.322 ng

RT: 14.56 min Scan# 926

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

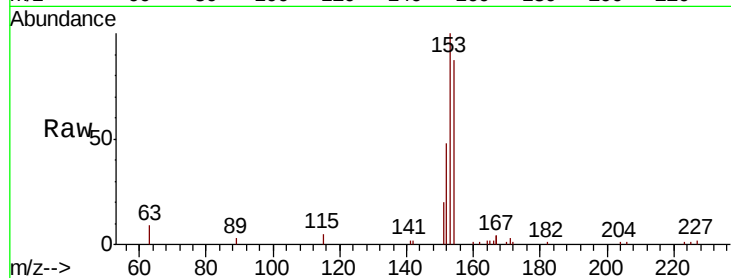
Tgt Ion:154 Resp: 5845

Ion Ratio Lower Upper

154 100

153 111.7 90.8 136.2

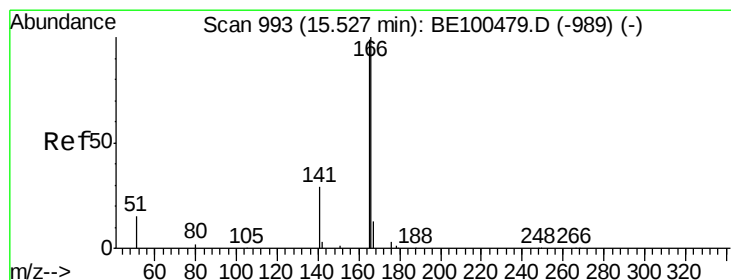
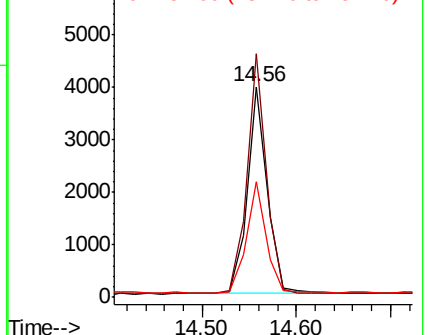
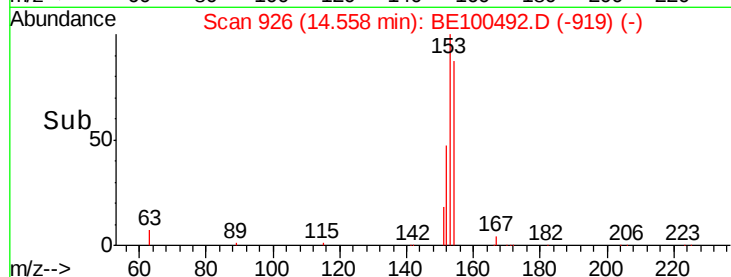
152 53.0 45.1 67.7



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: 0.312 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

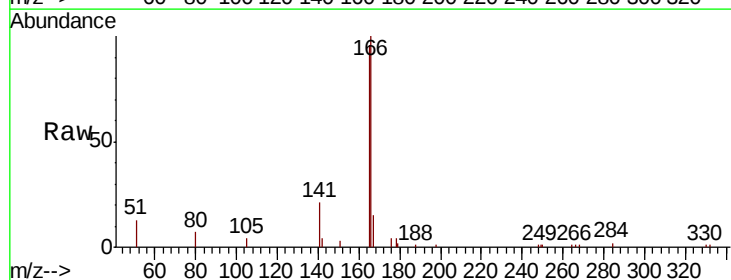
Tgt Ion:166 Resp: 7556

Ion Ratio Lower Upper

166 100

165 99.0 78.3 117.5

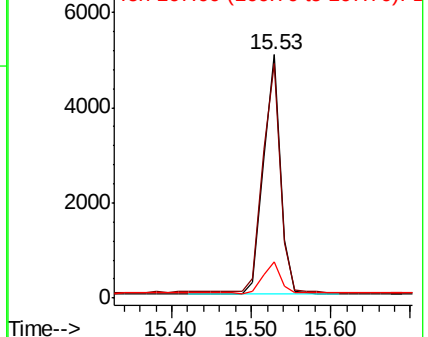
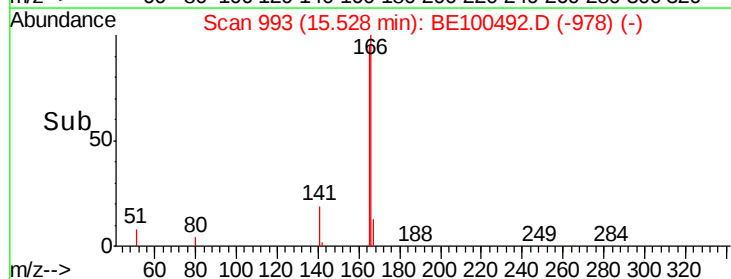
167 13.2 10.9 16.3

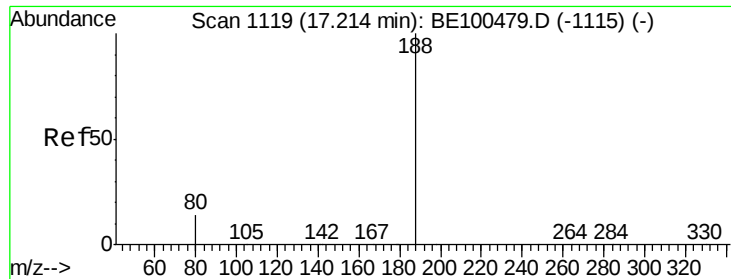


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

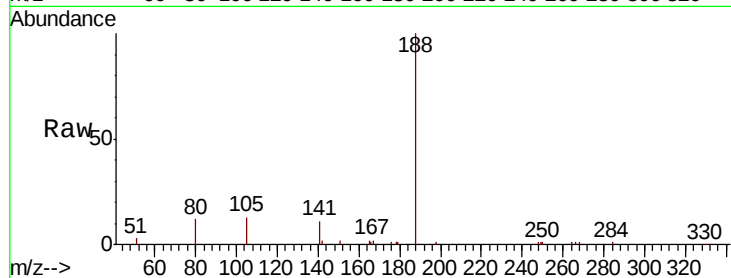
Tgt Ion:188 Resp: 14427

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

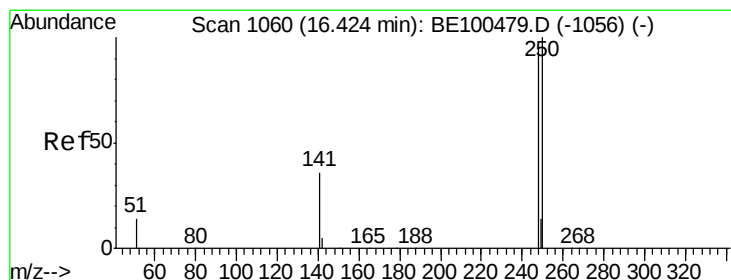
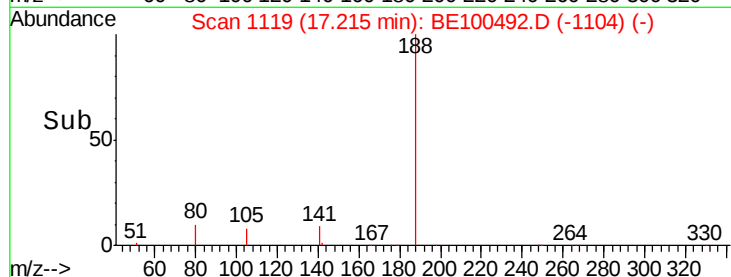
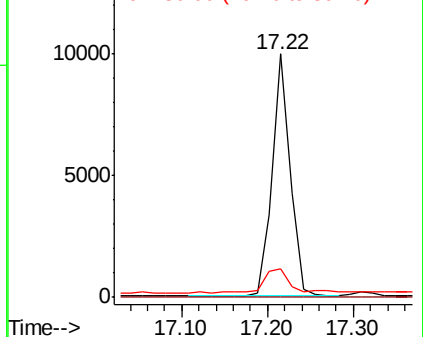
80 11.9 11.9 17.9



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: 0.355 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

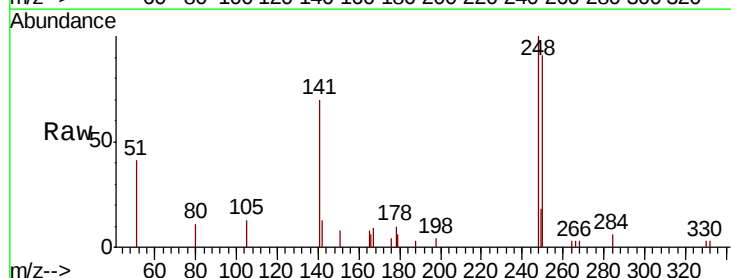
Tgt Ion:248 Resp: 2434

Ion Ratio Lower Upper

248 100

250 90.7 84.4 126.6

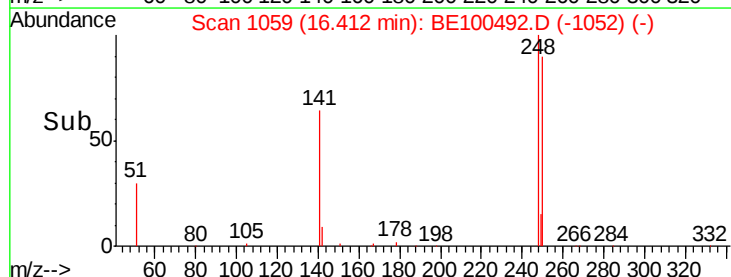
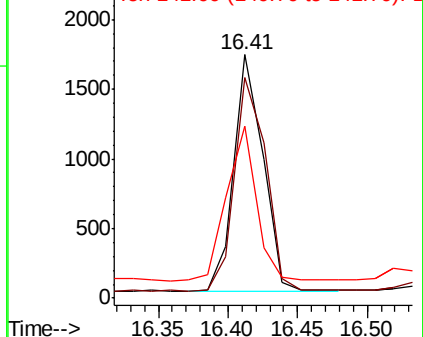
141 70.4 32.2 48.2#

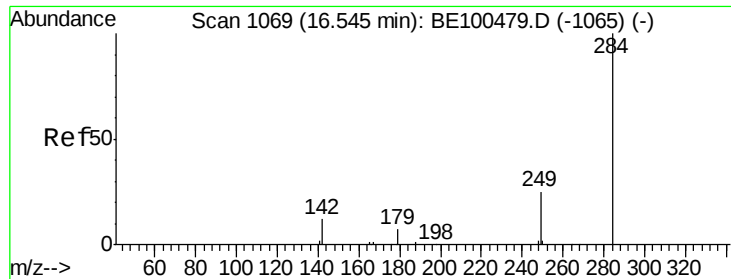


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.330 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

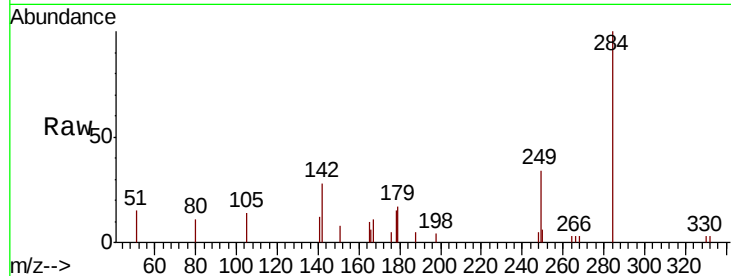
Instrument :

BNA_E

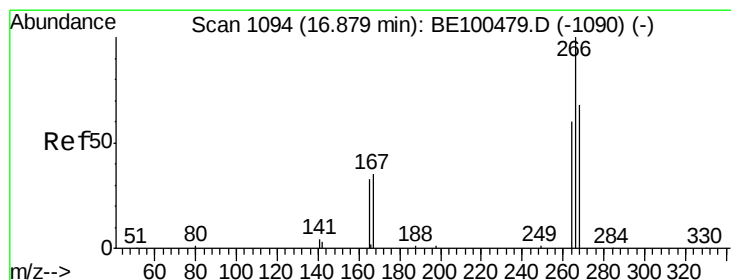
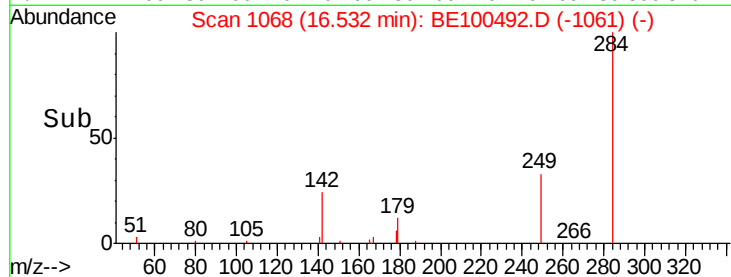
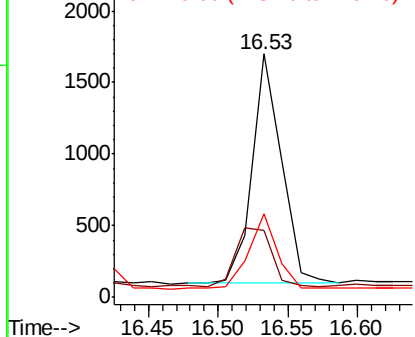
ClientSampleId :

PB121536BS

Tgt Ion:	284	Resp:	2333
Ion	Ratio	Lower	Upper
284	100		
142	31.1	26.7	40.1
249	30.9	25.0	37.4



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: 0.611 ng

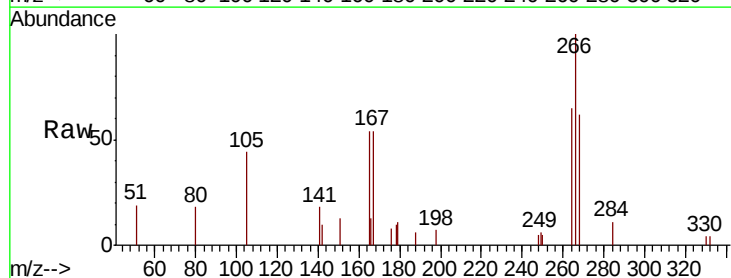
RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

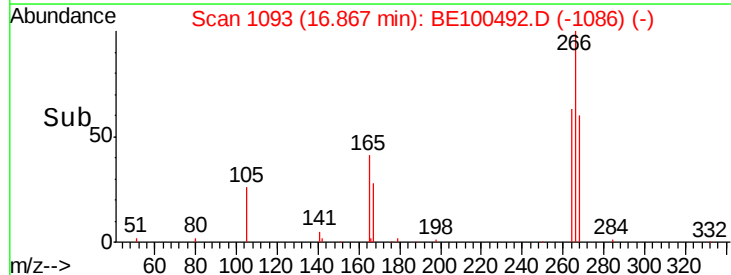
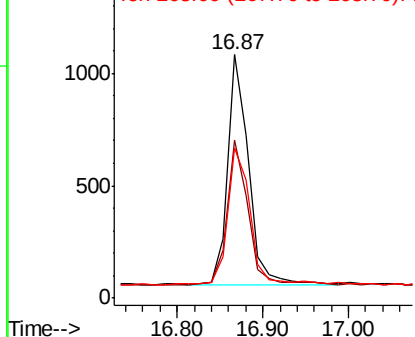
Lab File: BE100492.D

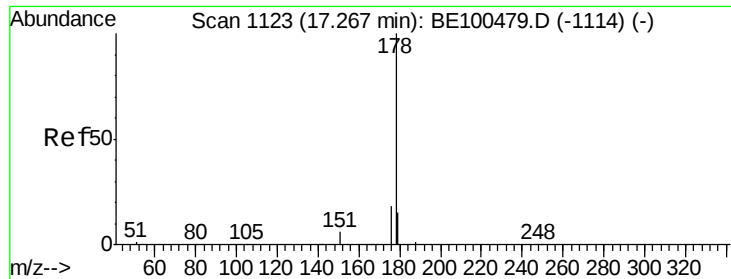
Acq: 23 Jul 2019 9:11

Tgt Ion:	266	Resp:	1717
Ion	Ratio	Lower	Upper
266	100		
264	64.9	50.4	75.6
268	61.9	56.6	85.0



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: 0.341 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

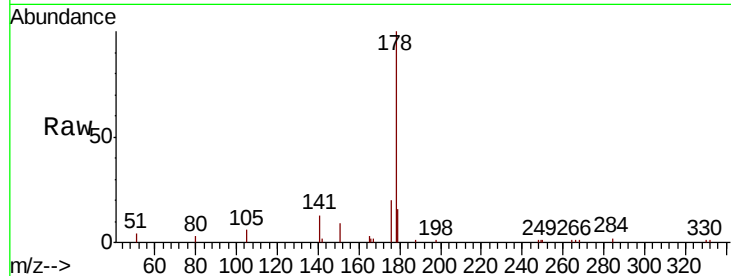
Tgt Ion:178 Resp: 12053

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

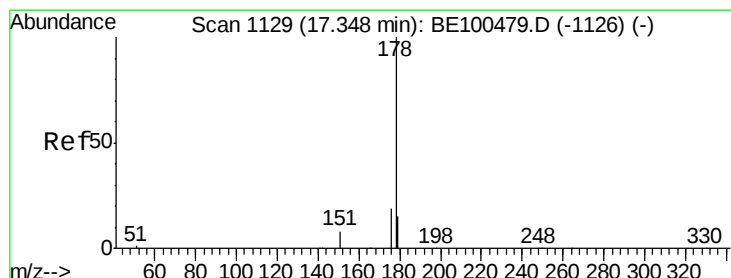
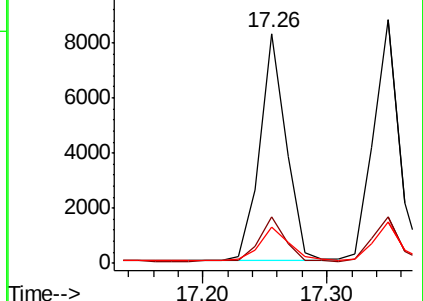
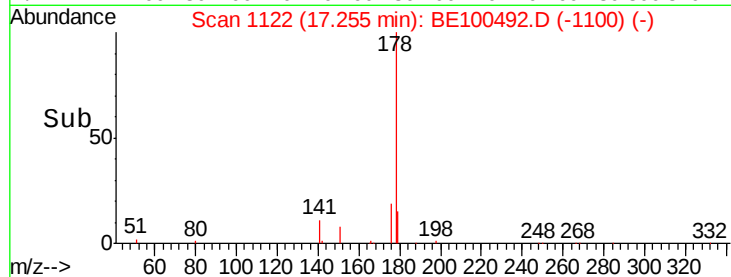
179 16.5 12.6 18.8



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: 0.364 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

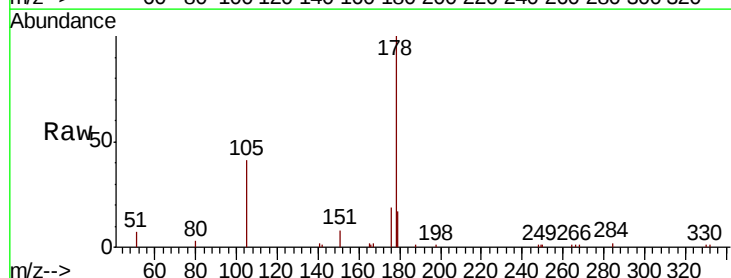
Tgt Ion:178 Resp: 12266

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

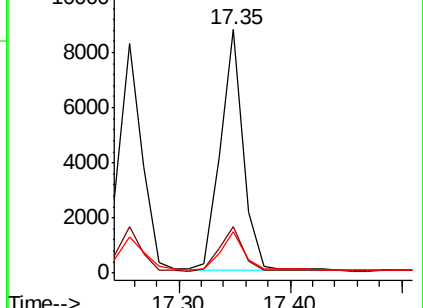
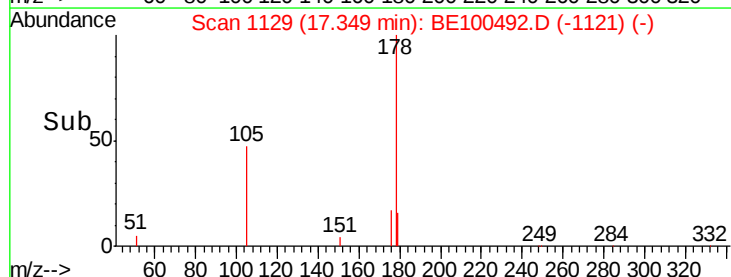
179 16.3 12.2 18.2

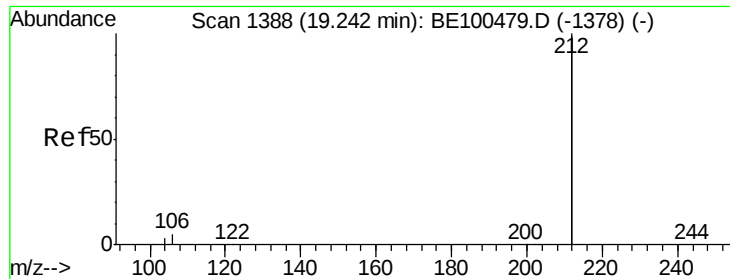


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.292 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

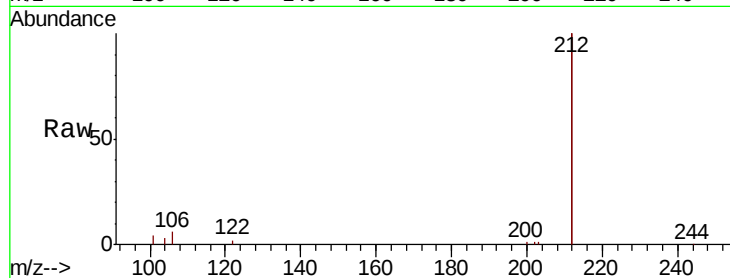
Tgt Ion:212 Resp: 57744

Ion Ratio Lower Upper

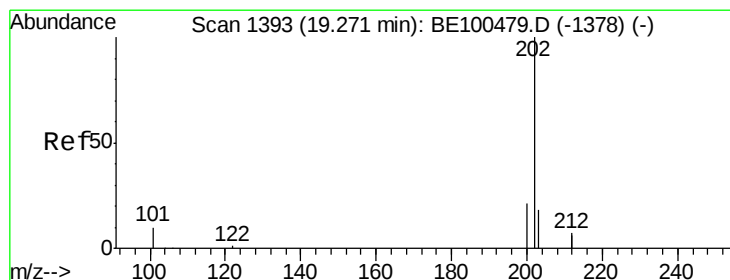
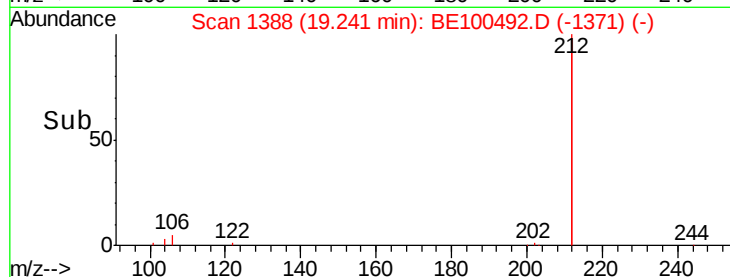
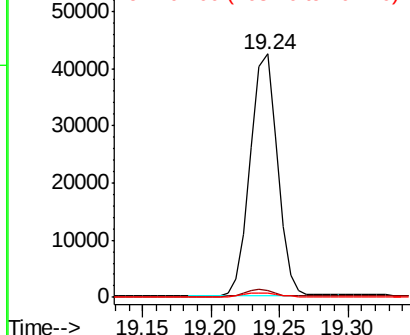
212 100

106 3.2 2.2 3.4

104 1.8 1.2 1.8



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.324 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

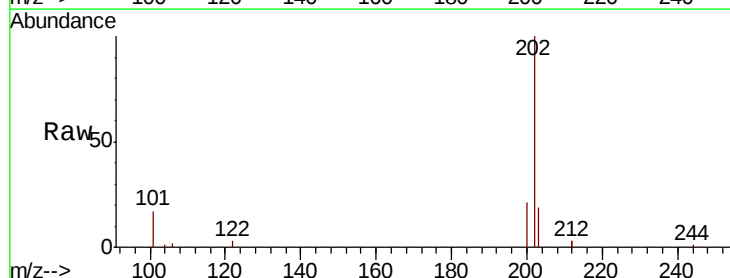
Tgt Ion:202 Resp: 16476

Ion Ratio Lower Upper

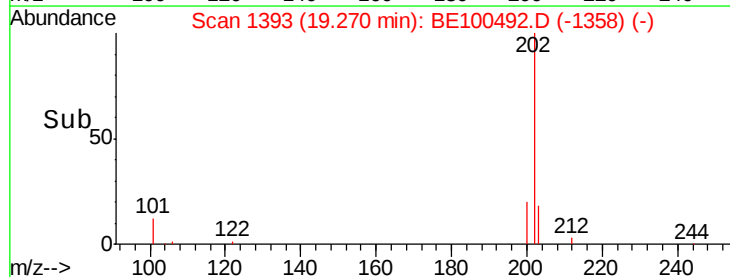
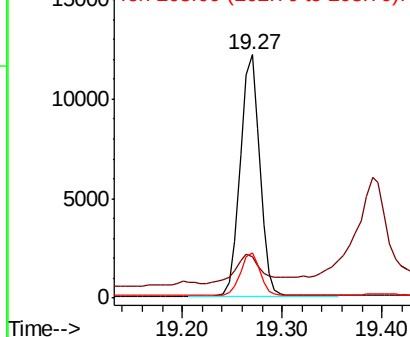
202 100

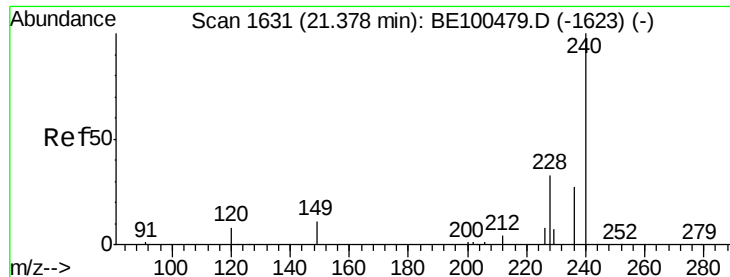
101 16.9 8.0 12.0#

203 17.8 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

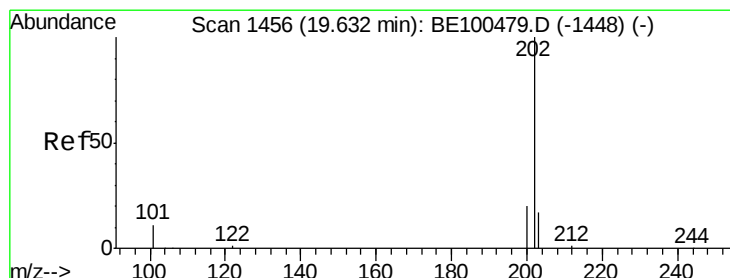
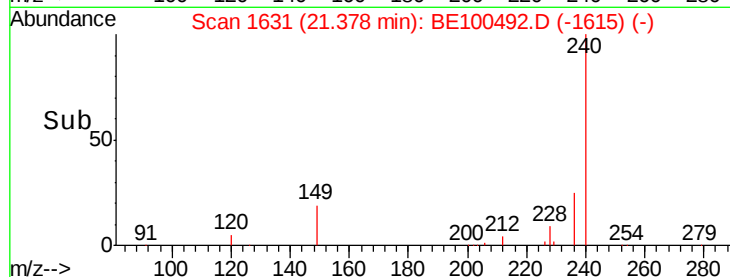
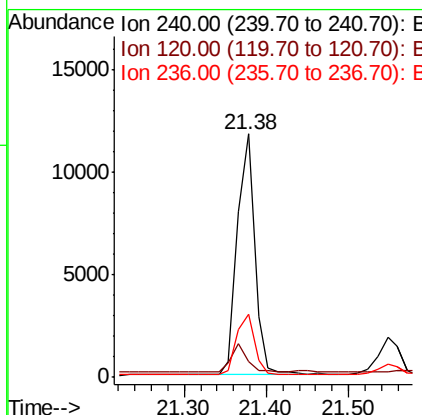
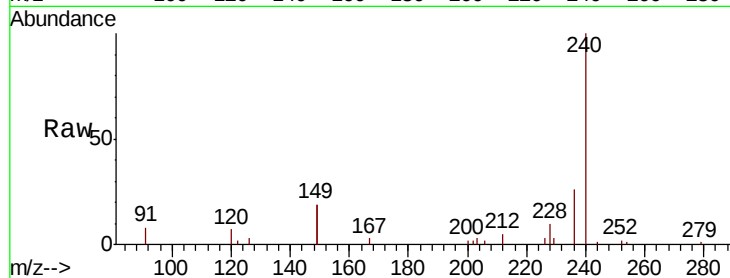




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE100492.D
 Acq: 23 Jul 2019 9:11

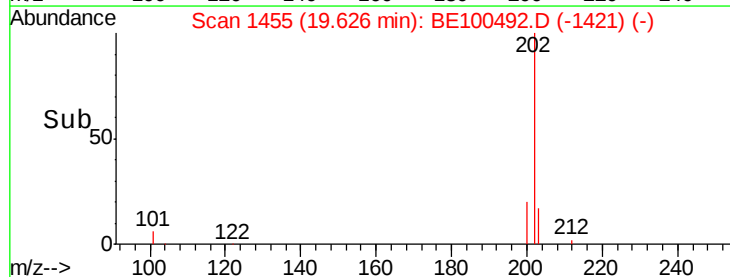
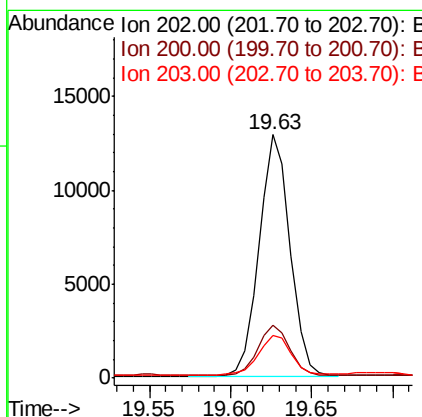
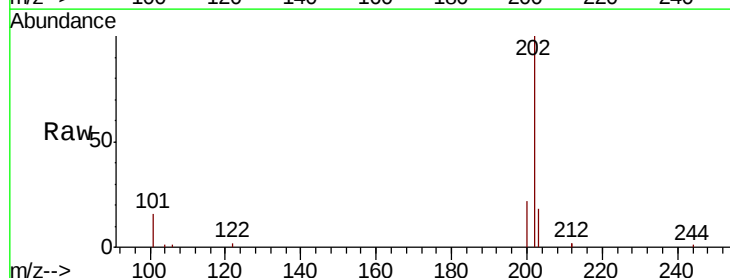
Instrument :
 BNA_E
 ClientSampleId :
 PB121536BS

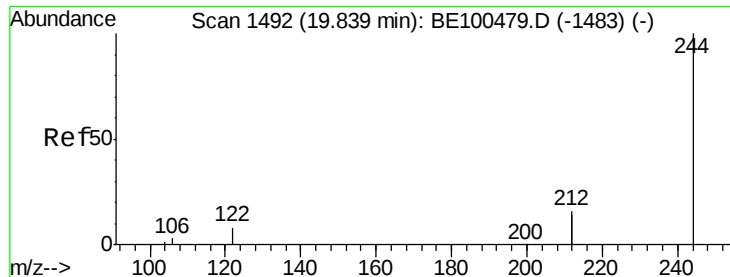
Tgt Ion: 240 Resp: 17512
 Ion Ratio Lower Upper
 240 100
 120 6.7 8.2 12.2#
 236 25.8 22.6 34.0



#28
 Pyrene
 Concen: 0.311 ng
 RT: 19.63 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BE100492.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 202 Resp: 16985
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.6 24.8
 203 17.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.240 ng

RT: 19.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

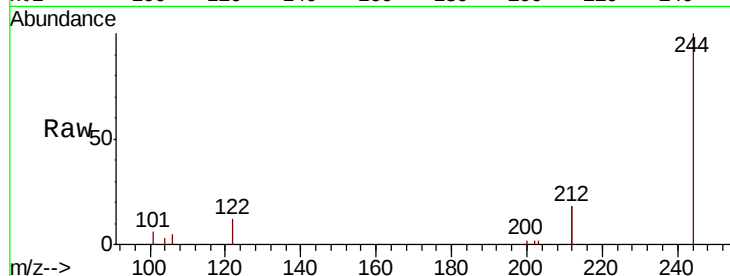
Tgt Ion:244 Resp: 10383

Ion Ratio Lower Upper

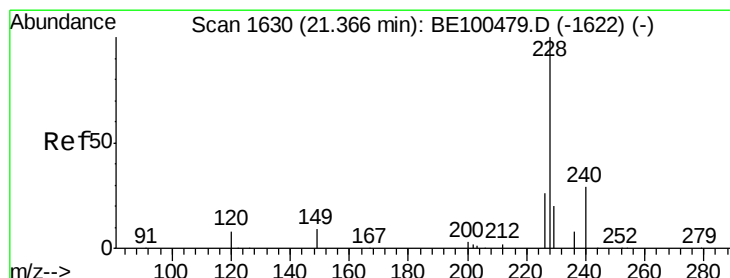
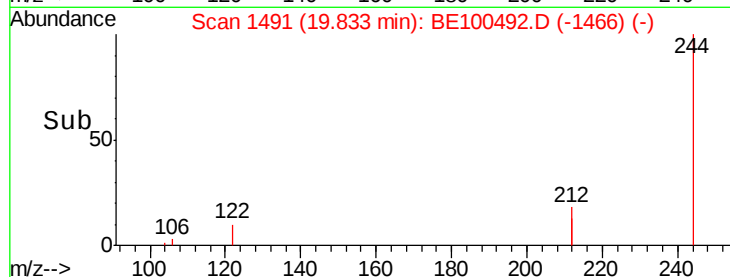
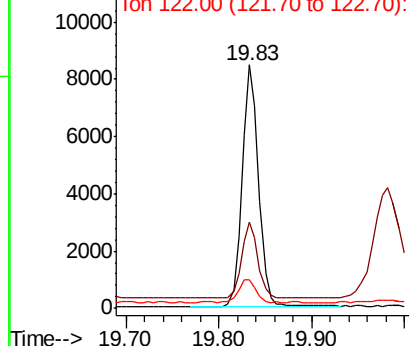
244 100

212 35.1 25.6 38.4

122 11.9 7.2 10.8#



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: 0.333 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

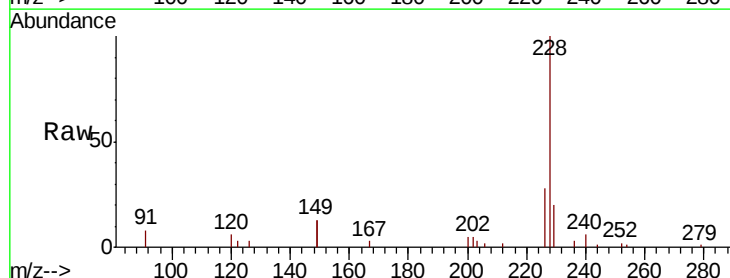
Tgt Ion:228 Resp: 17803

Ion Ratio Lower Upper

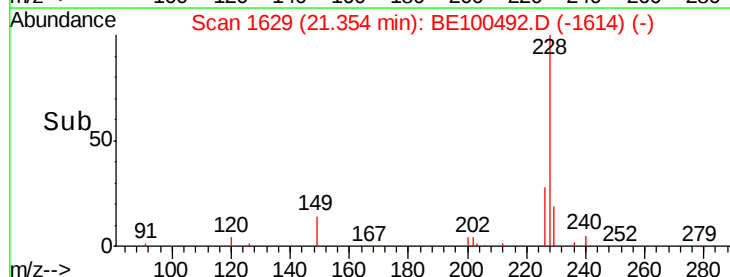
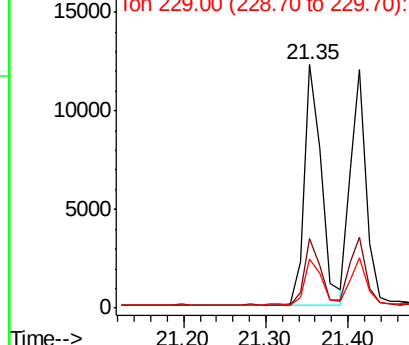
228 100

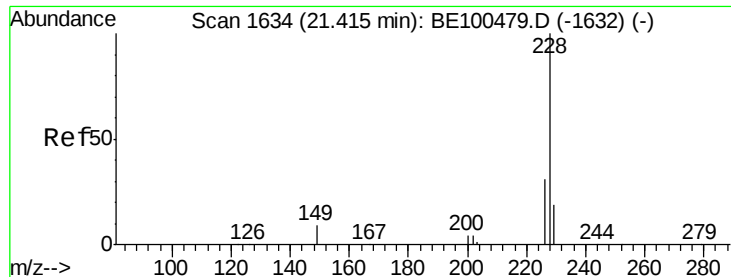
226 28.5 21.4 32.2

229 20.3 17.3 25.9



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: 0.308 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

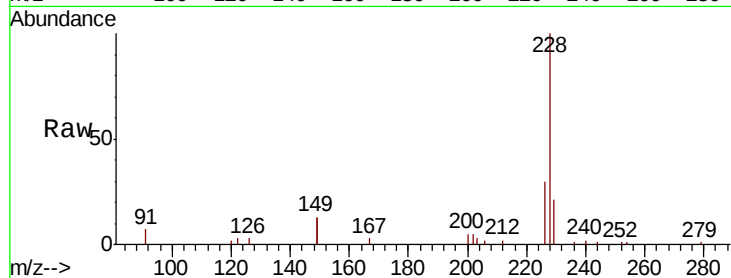
Tgt Ion:228 Resp: 16258

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

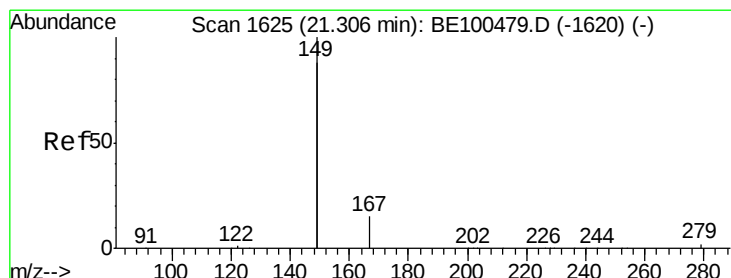
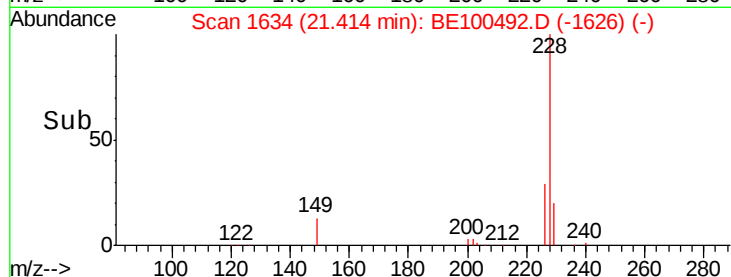
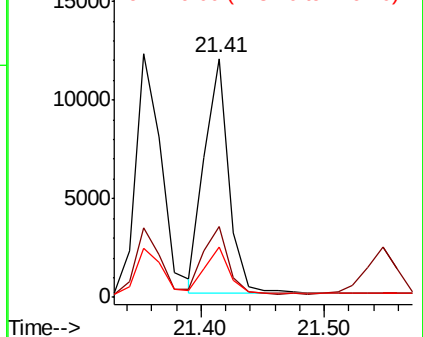
229 20.9 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.492 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

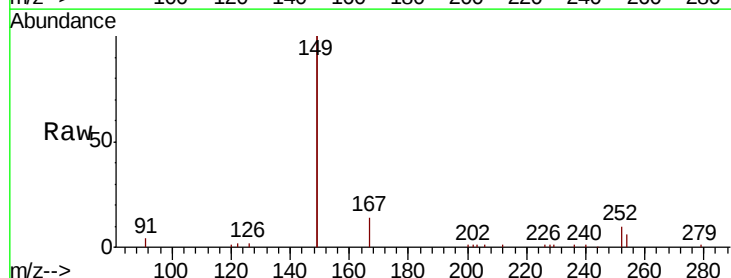
Tgt Ion:149 Resp: 60467

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

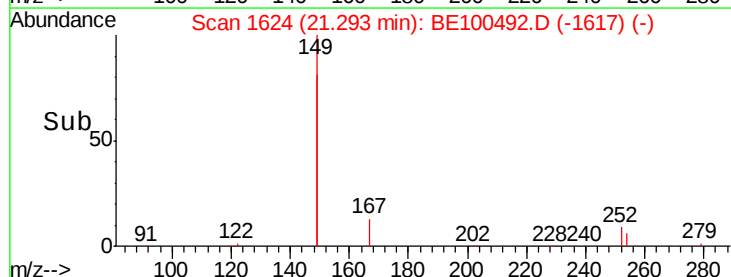
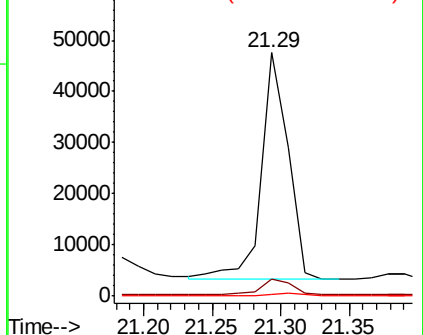
279 1.0 1.0 1.6#

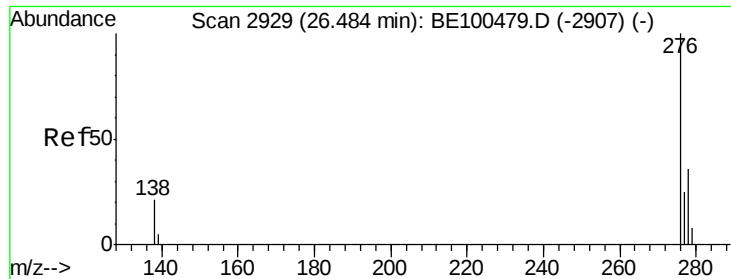


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.426 ng

RT: 26.47 min Scan# 2925

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

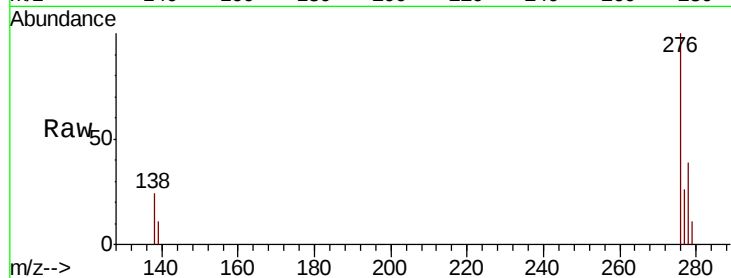
Tgt Ion:276 Resp: 24500

Ion Ratio Lower Upper

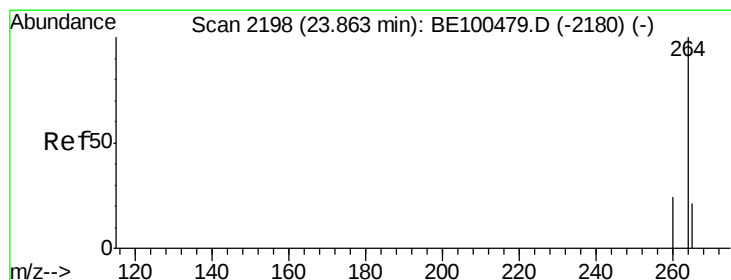
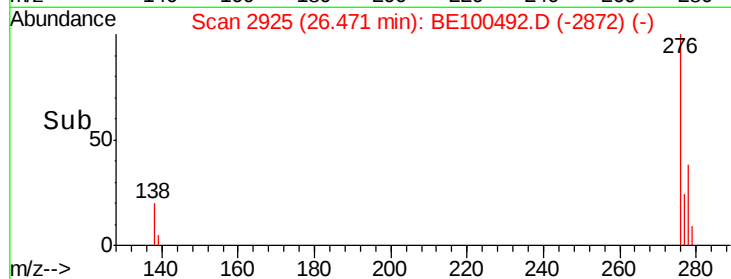
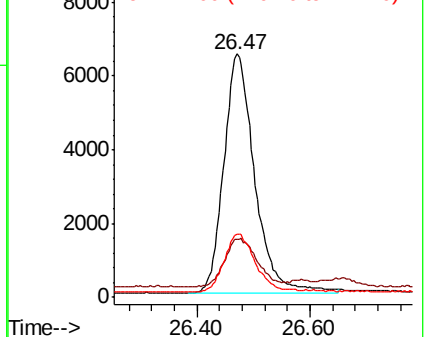
276 100

138 21.6 16.6 25.0

277 24.3 19.1 28.7



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: 23.85 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

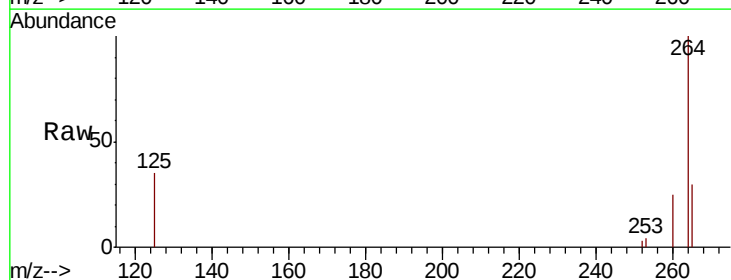
Tgt Ion:264 Resp: 21337

Ion Ratio Lower Upper

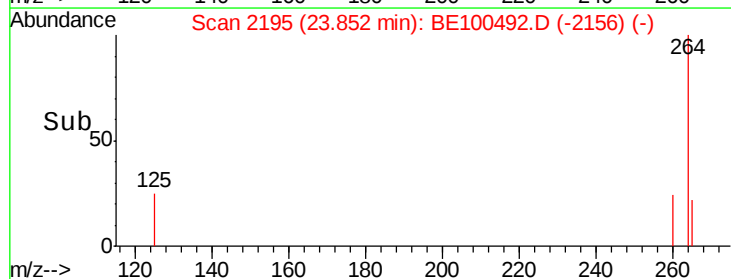
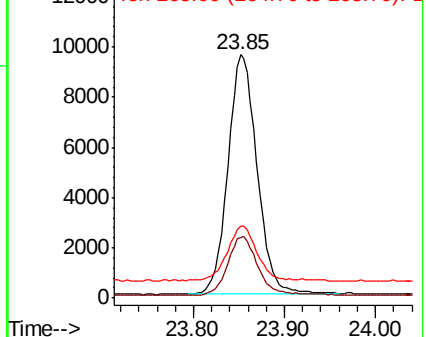
264 100

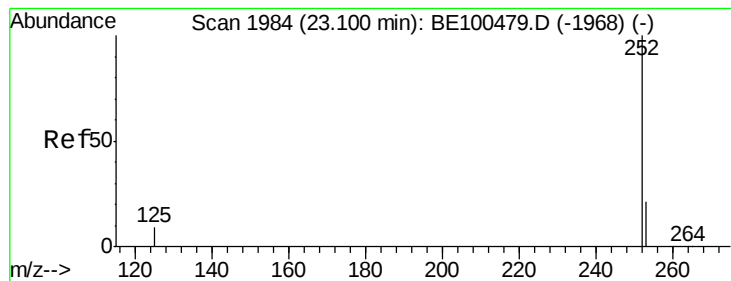
260 25.0 20.7 31.1

265 29.5 23.4 35.2



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: 0.322 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

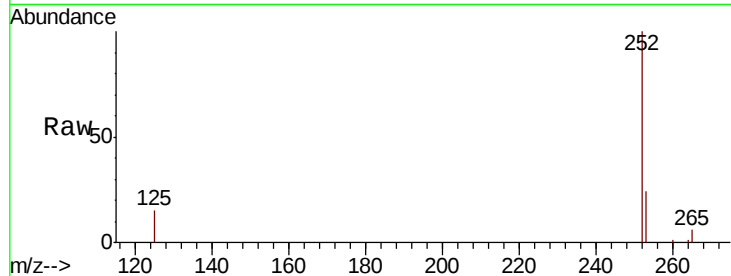
Tgt Ion:252 Resp: 18796

Ion Ratio Lower Upper

252 100

253 24.3 19.2 28.8

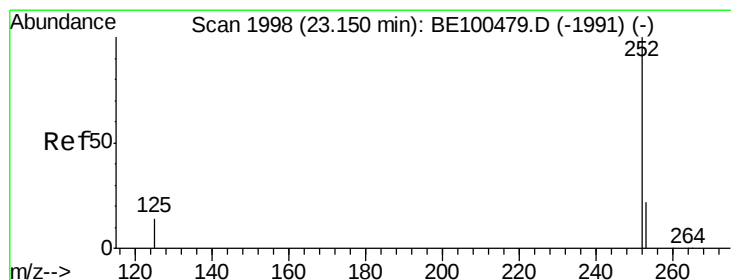
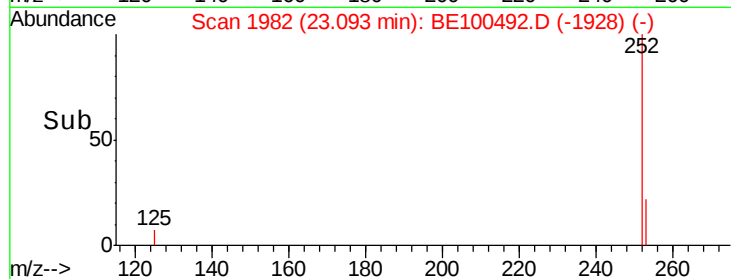
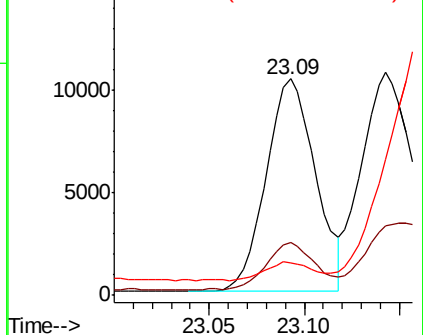
125 15.1 11.9 17.9



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: 0.235 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

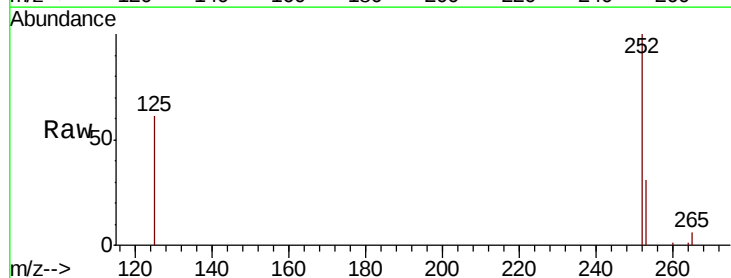
Tgt Ion:252 Resp: 14384

Ion Ratio Lower Upper

252 100

253 31.0 19.7 29.5#

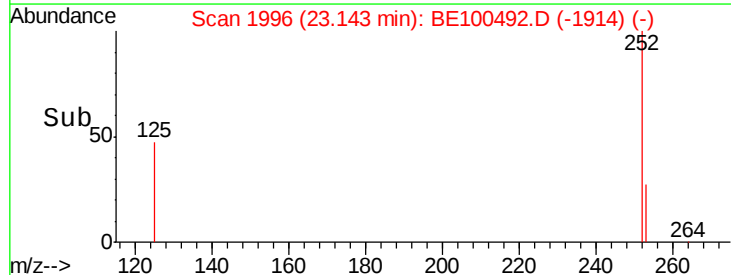
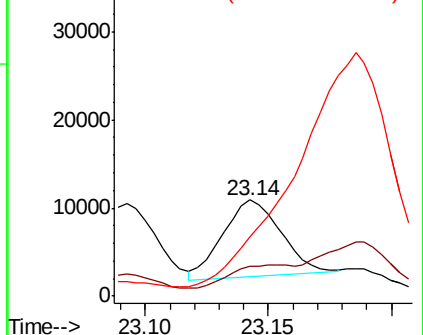
125 61.0 15.2 22.8#

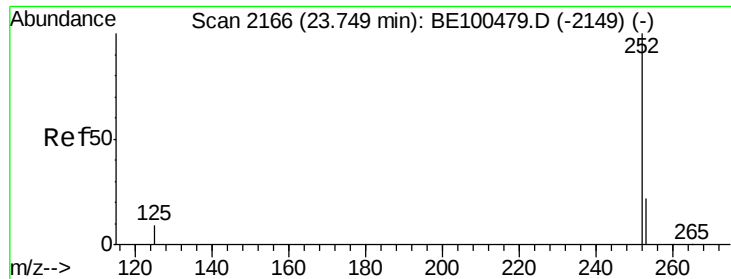


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.341 ng

RT: 23.74 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS

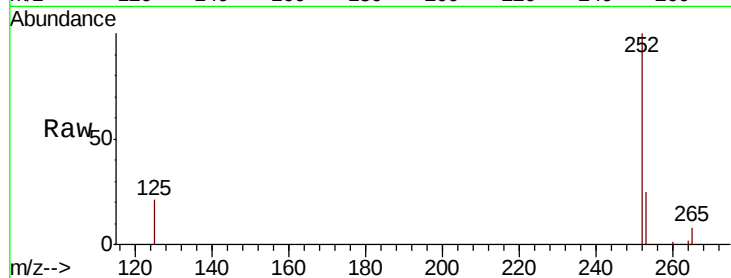
Tgt Ion:252 Resp: 19382

Ion Ratio Lower Upper

252 100

253 24.6 20.0 30.0

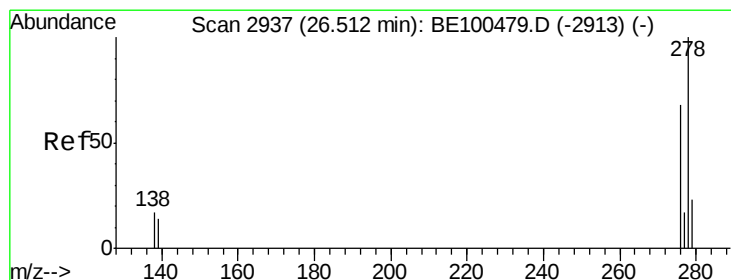
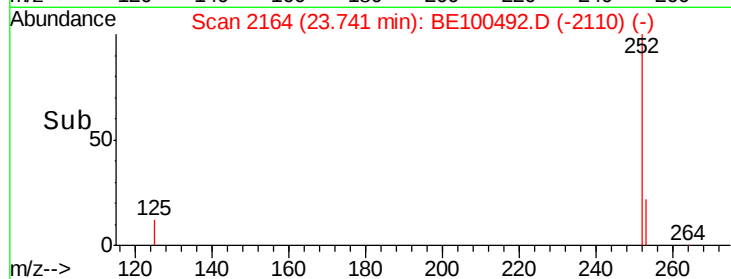
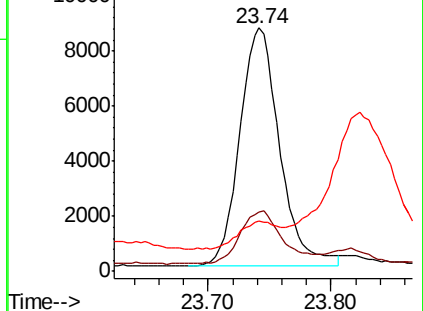
125 20.7 14.1 21.1



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: 0.377 ng

RT: 26.50 min Scan# 2932

Delta R.T. -0.02 min

Lab File: BE100492.D

Acq: 23 Jul 2019 9:11

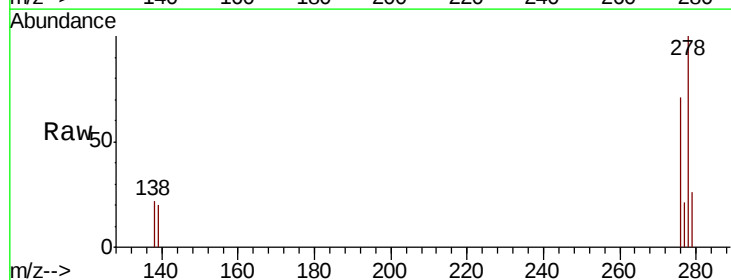
Tgt Ion:278 Resp: 20216

Ion Ratio Lower Upper

278 100

139 19.8 16.8 25.2

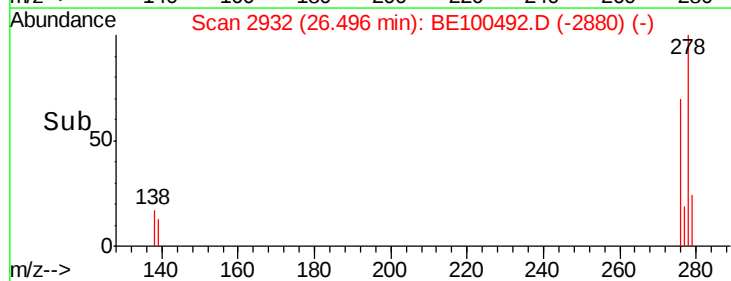
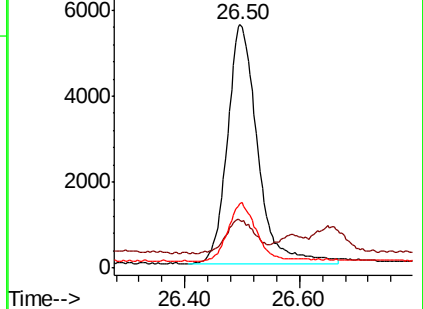
279 26.3 21.8 32.8

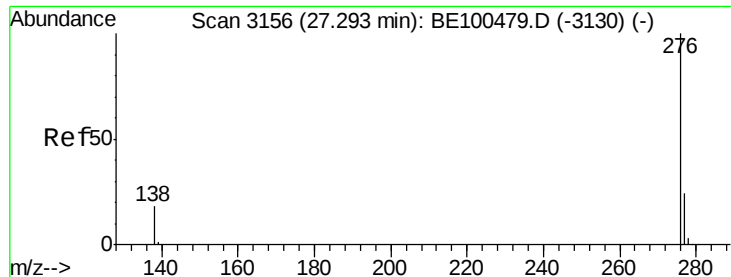


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.383 ng

RT: 27.27 min Scan# 3149

Delta R.T. -0.02 min

Lab File: BE100492.D

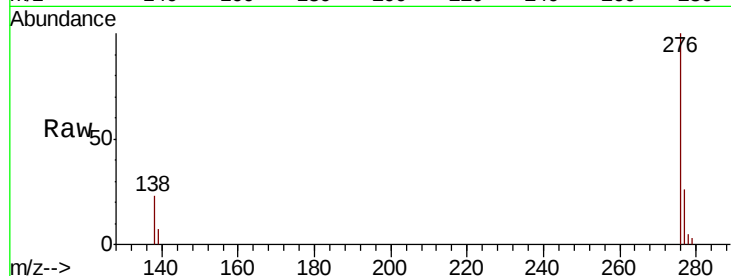
Acq: 23 Jul 2019 9:11

Instrument :

BNA_E

ClientSampleId :

PB121536BS



Tgt Ion: 276 Resp: 21036

Ion Ratio Lower Upper

276 100

277 25.6 22.0 33.0

138 23.1 17.3 25.9

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

