

Data File : BE100471.D
Acq On : 19 Jul 2019 15:51
Operator : HP/JU
Sample : PB121385BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Quant Time: Jul 20 02:43:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE071919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 19 13:59:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2453	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	9464	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4930	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	11590	0.40	ng	0.00
27) Chrysene-d12	21.38	240	15731	0.40	ng	0.00
34) Perylene-d12	23.86	264	20498	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	1992	0.33	ng	0.00
5) Phenol-d6	7.03	99	2766	0.32	ng	0.00
8) Nitrobenzene-d5	9.02	82	1943	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	5925	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	499	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5340	0.26	ng	0.00
25) Fluoranthene-d10	19.24	212	39740	0.24	ng	0.00
29) Terphenyl-d14	19.84	244	7002	0.19	ng	0.00

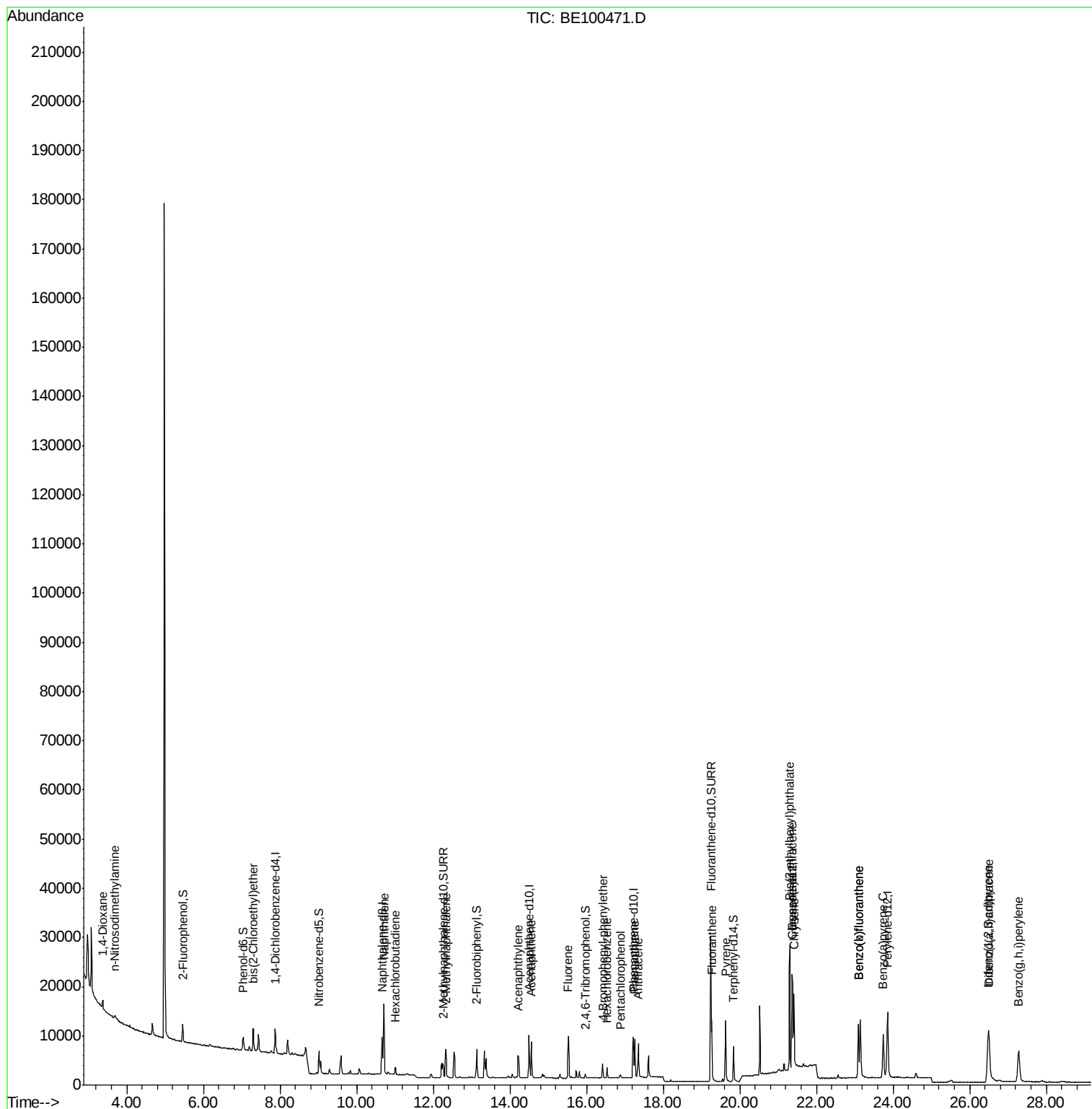
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	1276	0.339	ng	# 54
3) n-Nitrosodimethylamine	3.69	42	817	0.375	ng	# 88
6) bis(2-Chloroethyl)ether	7.30	93	2023	0.272	ng	96
9) Naphthalene	10.72	128	26038	0.288	ng	99
10) Hexachlorobutadiene	11.02	225	1151	0.265	ng	98
12) 2-Methylnaphthalene	12.32	142	4348	0.275	ng	99
16) Acenaphthylene	14.21	152	6466	0.285	ng	99
17) Acenaphthene	14.56	154	3944	0.286	ng	99
18) Fluorene	15.53	166	4962	0.271	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	1543	0.288	ng	97
21) Hexachlorobenzene	16.53	284	1660	0.298	ng	99
22) Pentachlorophenol	16.88	266	585	0.385	ng	96
23) Phenanthrene	17.26	178	8449	0.295	ng	100
24) Anthracene	17.35	178	7582	0.283	ng	99
26) Fluoranthene	19.27	202	11355	0.267	ng	100
28) Pyrene	19.63	202	12013	0.260	ng	99
30) Benzo(a)anthracene	21.37	228	13292	0.277	ng	100
31) Chrysene	21.41	228	12924	0.270	ng	100
32) Bis(2-ethylhexyl)phthalate	21.30	149	31945	0.300	ng	100
33) Indeno(1,2,3-cd)pyrene	26.48	276	18381	0.355	ng	99
35) Benzo(b)fluoranthene	23.10	252	15870	0.280	ng	98
36) Benzo(k)fluoranthene	23.10	252	15870	0.264	ng	97
37) Benzo(a)pyrene	23.74	252	16541	0.303	ng	100
38) Dibenzo(a,h)anthracene	26.50	278	15340	0.298	ng	99
39) Benzo(g,h,i)perylene	27.28	276	16484	0.311	ng	99

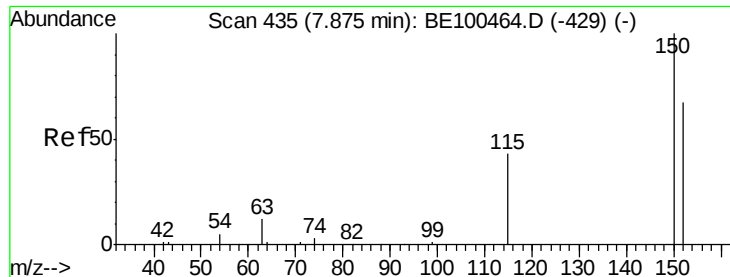
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. 0.00 min

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ClientSampleId :

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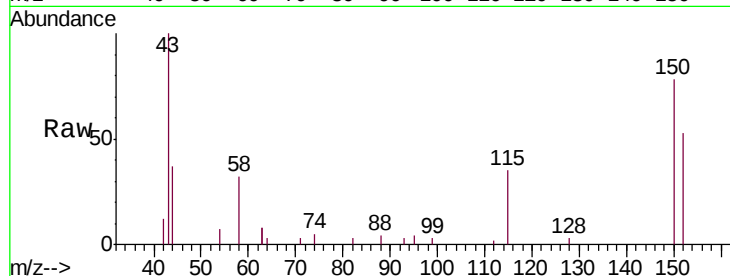
Tgt Ion:152 Resp: 2453

Ion Ratio Lower Upper

152 100

150 145.4 117.6 176.4

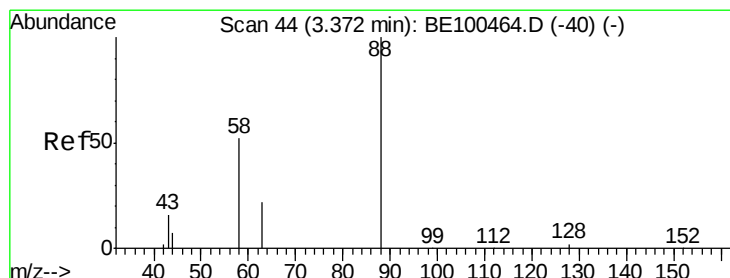
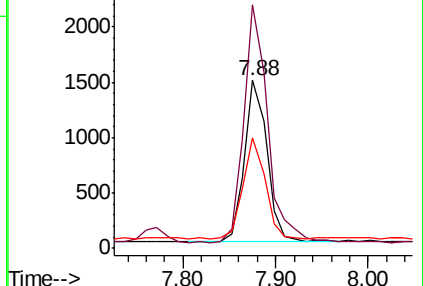
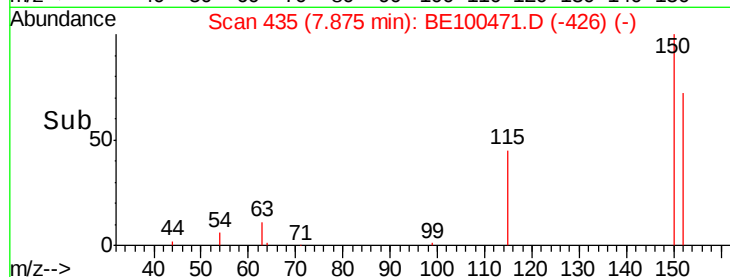
115 65.8 54.9 82.3



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: 0.339 ng

RT: 3.37 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

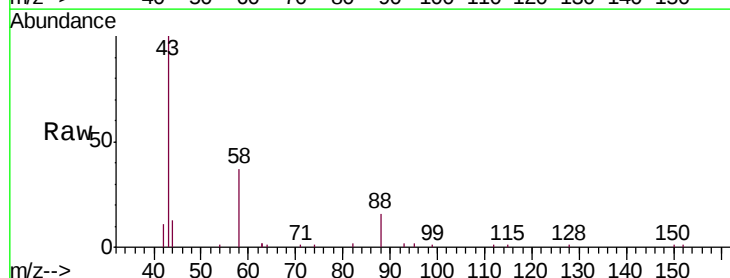
Tgt Ion: 88 Resp: 1276

Ion Ratio Lower Upper

88 100

58 97.5 50.2 75.4#

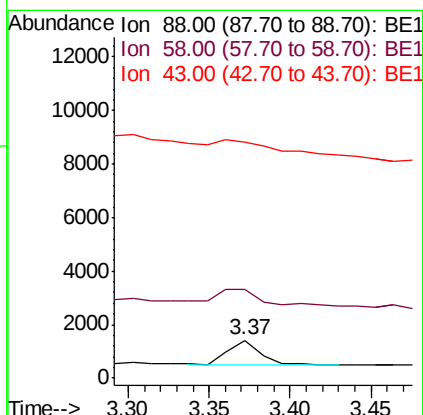
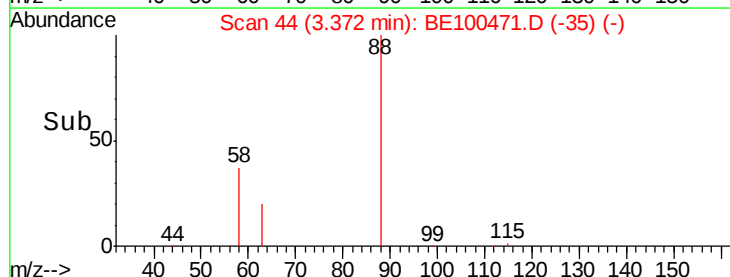
43 0.0 19.1 28.7#

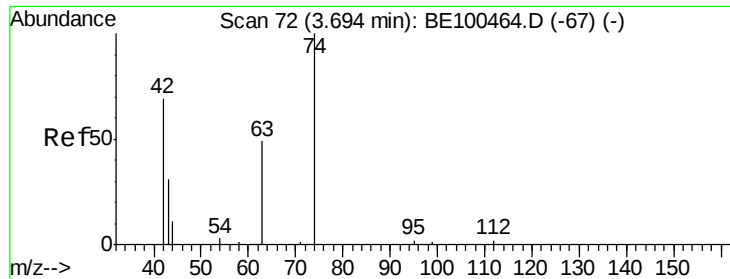


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.375 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

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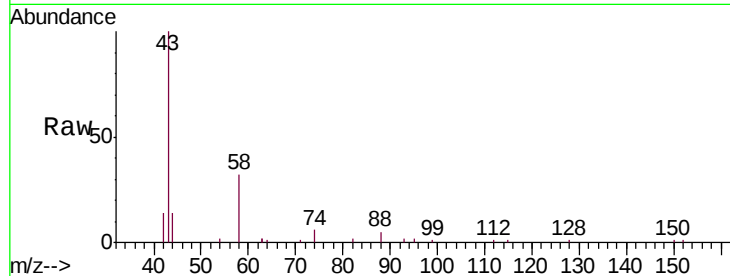
Tgt Ion: 42 Resp: 817

Ion Ratio Lower Upper

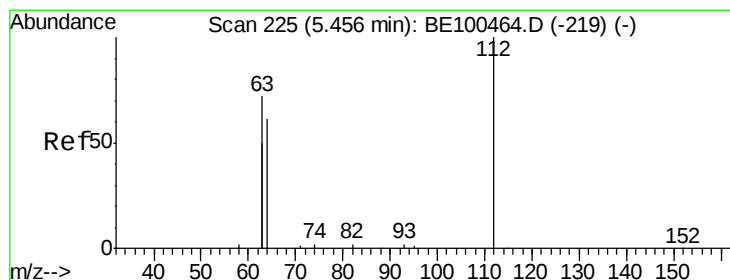
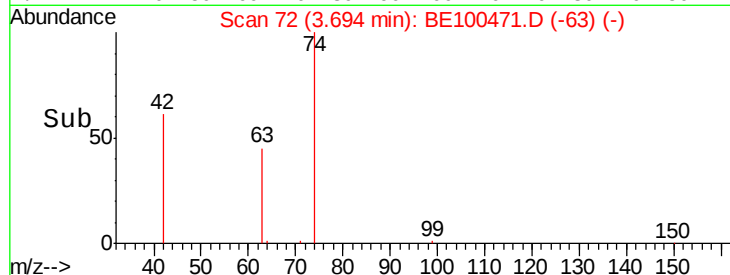
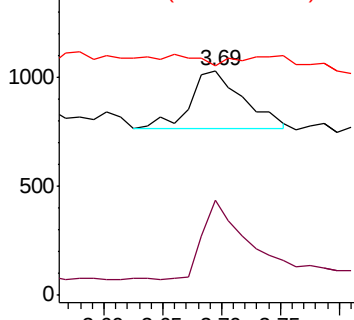
42 100

74 117.6 105.8 158.8

44 0.0 0.0 0.0



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: 0.326 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

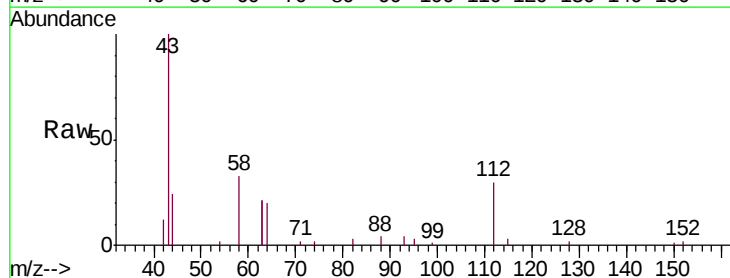
Tgt Ion: 112 Resp: 1992

Ion Ratio Lower Upper

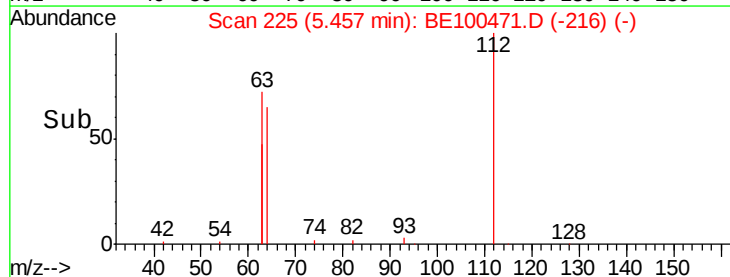
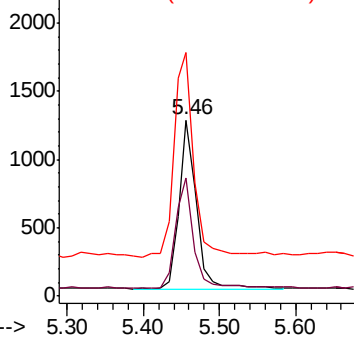
112 100

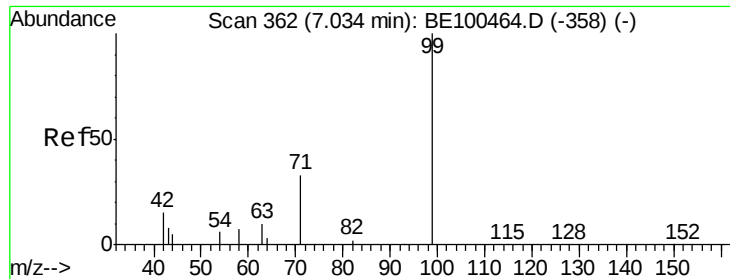
64 67.7 51.9 77.9

63 135.7 103.9 155.9



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





#5

Phenol-d6

Concen: 0.323 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

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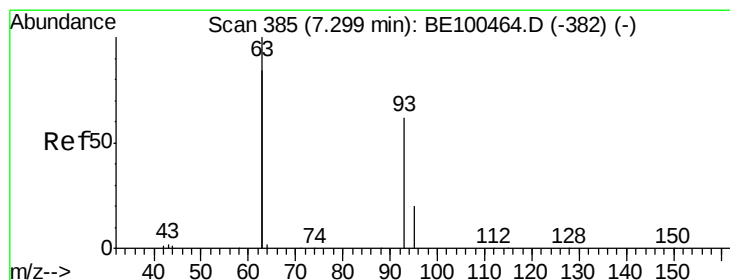
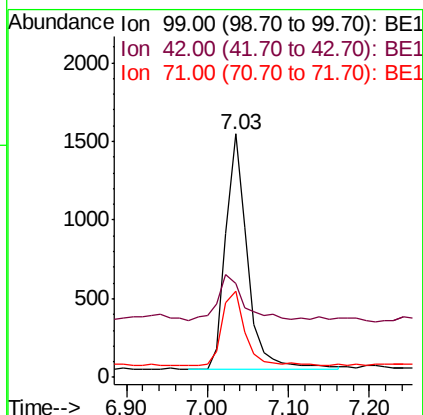
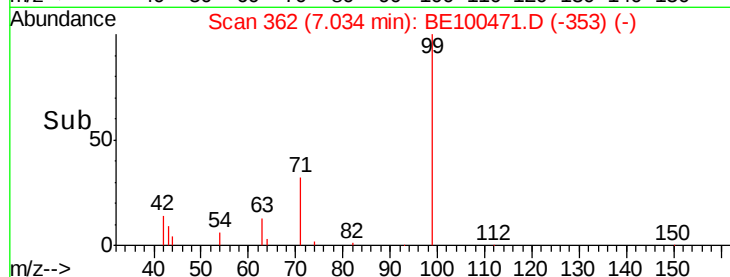
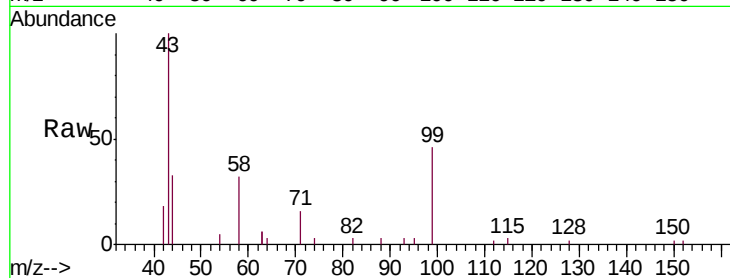
Tgt Ion: 99 Resp: 2766

Ion Ratio Lower Upper

99 100

42 22.3 16.2 24.4

71 34.2 26.0 39.0



#6

bis(2-Chloroethyl)ether

Concen: 0.272 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

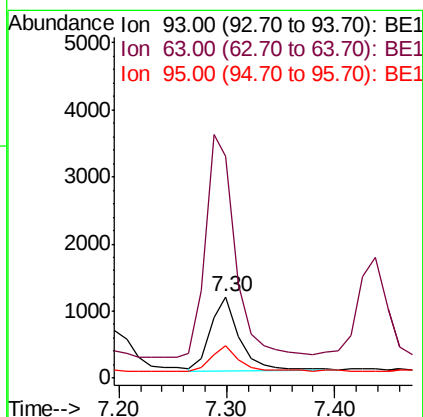
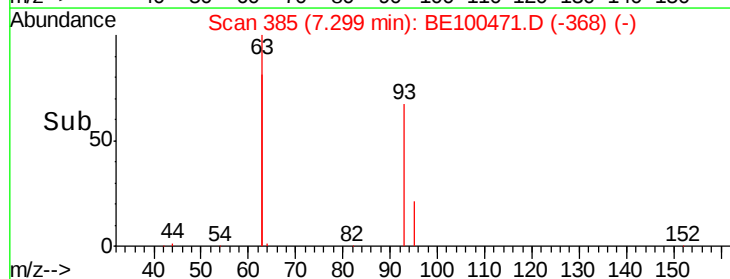
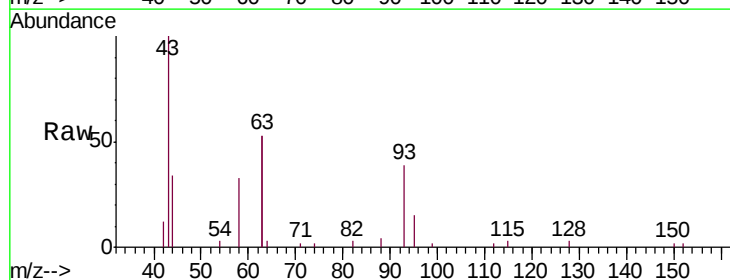
Tgt Ion: 93 Resp: 2023

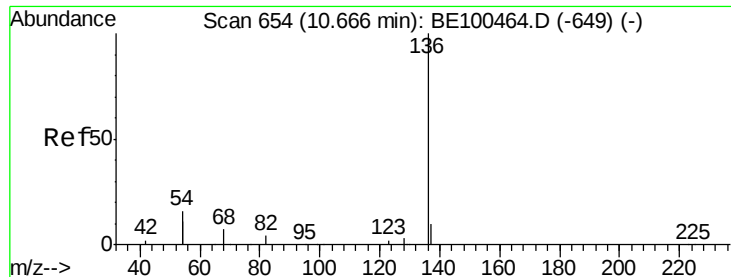
Ion Ratio Lower Upper

93 100

63 318.0 248.4 372.6

95 33.9 24.7 37.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 9464

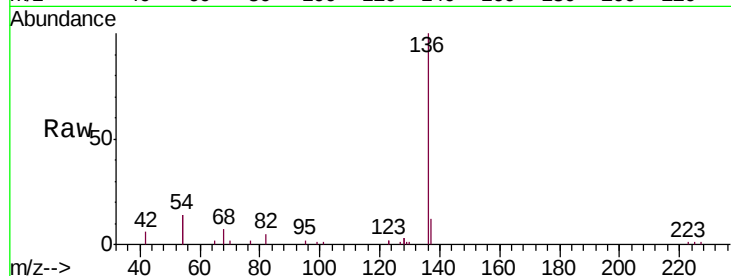
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 28.5 26.2 39.2

68 6.8 6.5 9.7

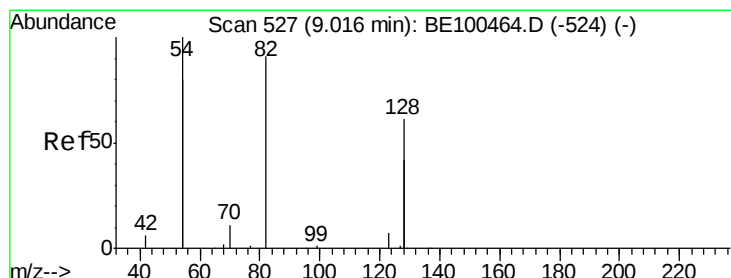
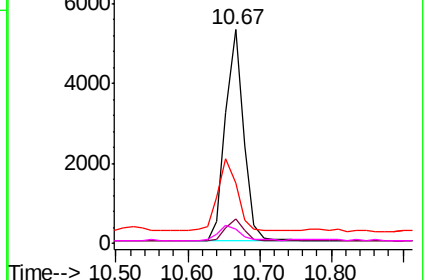
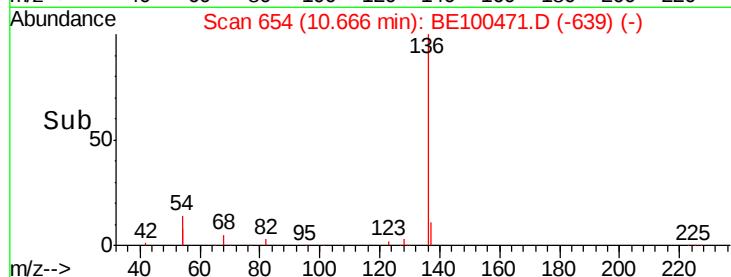


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.254 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

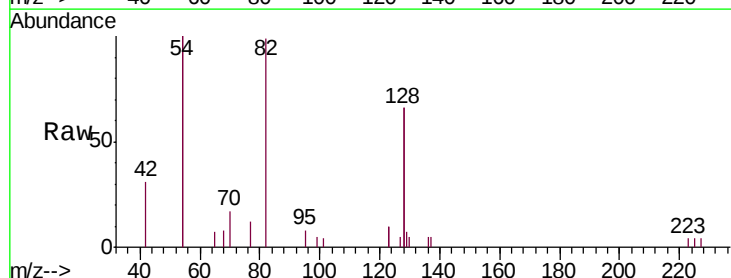
Tgt Ion: 82 Resp: 1943

Ion Ratio Lower Upper

82 100

128 133.5 100.7 151.1

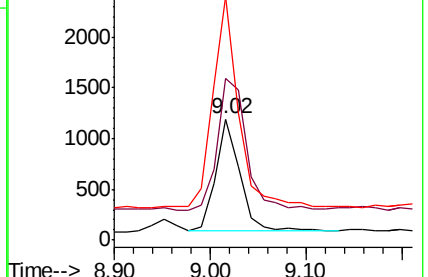
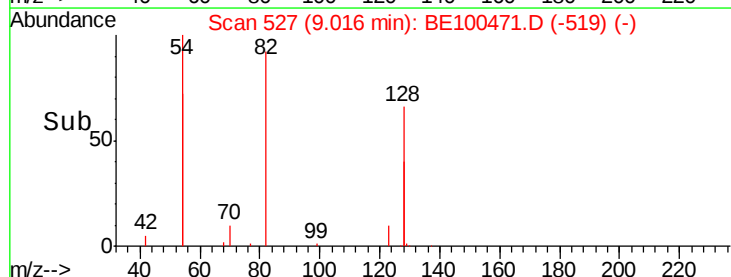
54 201.3 164.4 246.6

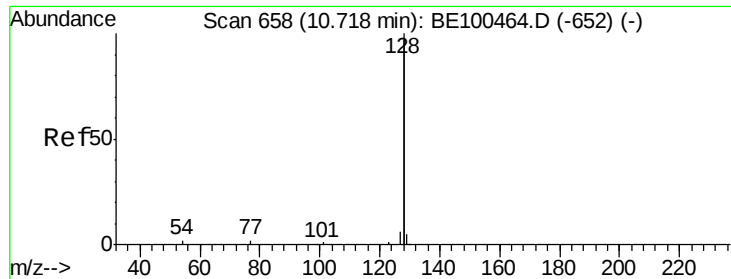


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

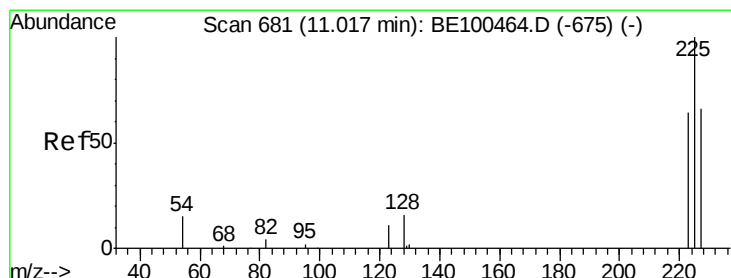
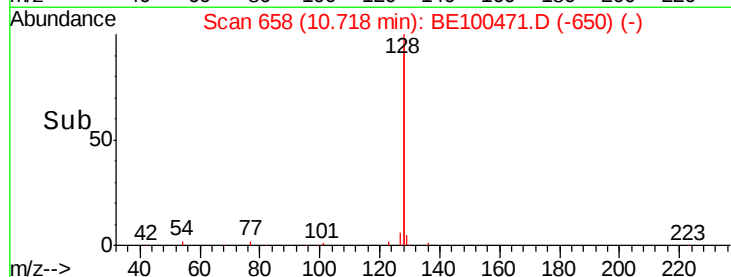
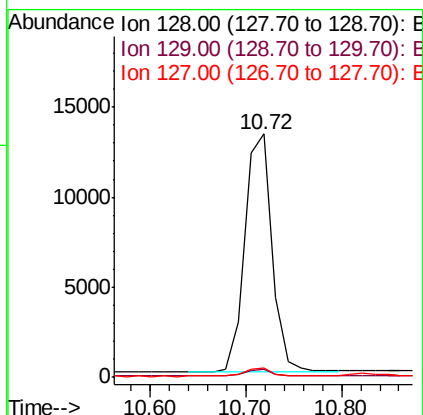
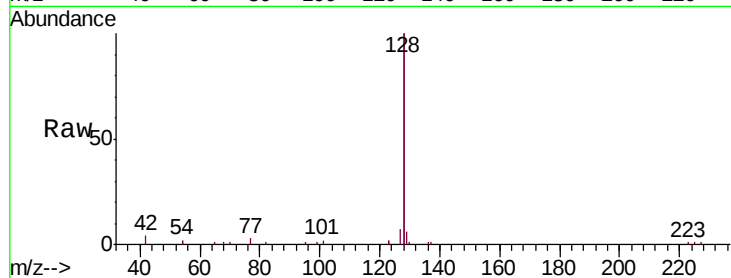




#9
Naphthalene
Concen: 0.288 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

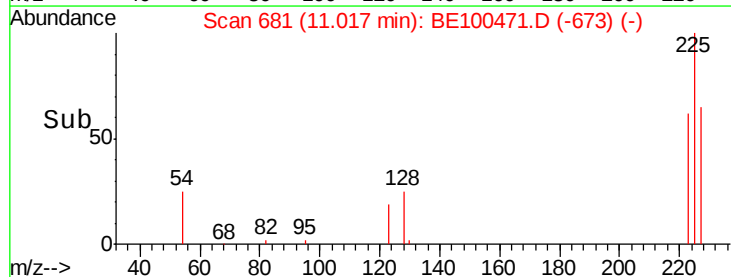
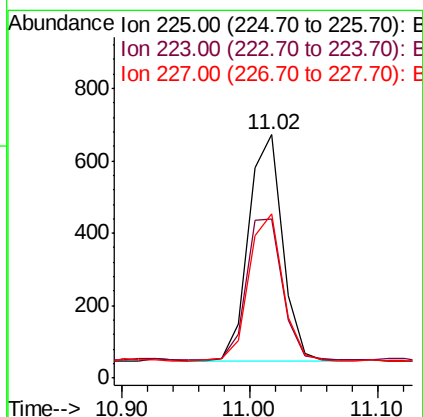
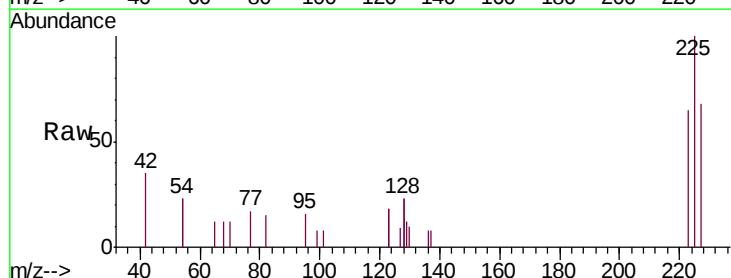
Instrument :
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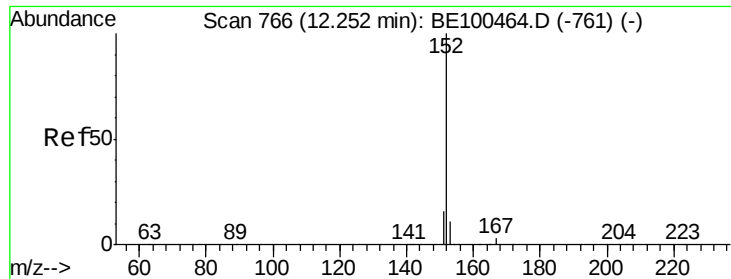
Tgt Ion:128 Resp: 26038
Ion Ratio Lower Upper
128 100
129 3.1 2.4 3.6
127 3.6 2.6 4.0



#10
Hexachlorobutadiene
Concen: 0.265 ng
RT: 11.02 min Scan# 681
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion:225 Resp: 1151
Ion Ratio Lower Upper
225 100
223 66.3 51.7 77.5
227 64.6 50.9 76.3

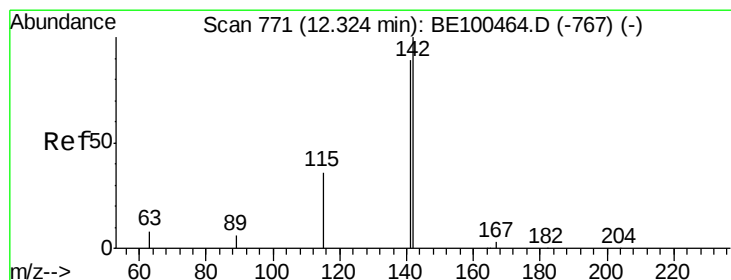
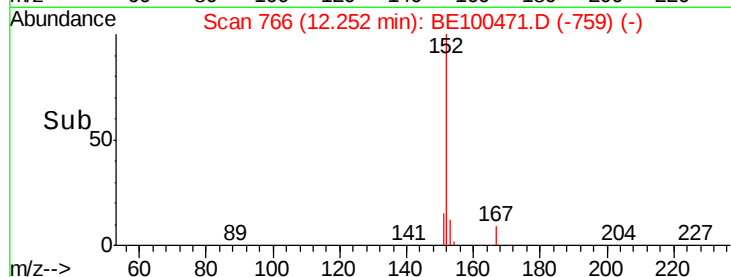
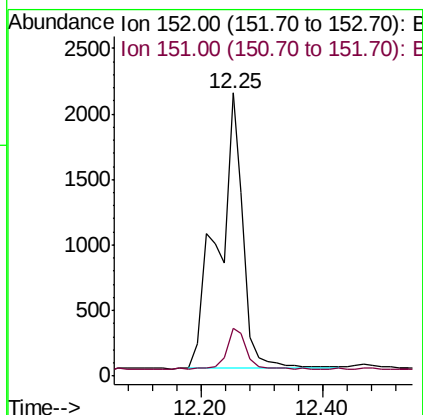
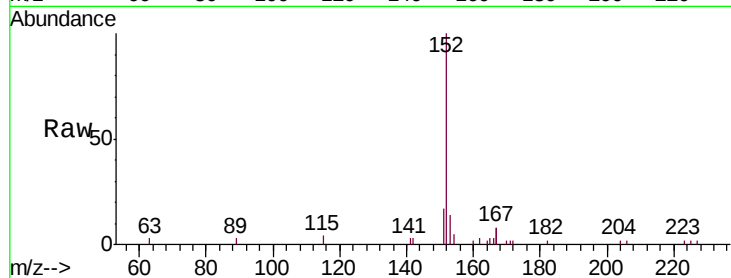




#11
 2-Methylnaphthalene-d10
 Concen: 0.390 ng
 RT: 12.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

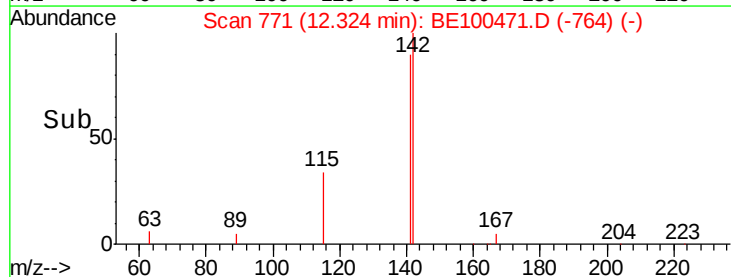
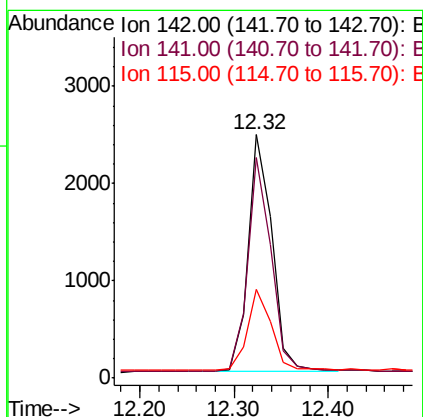
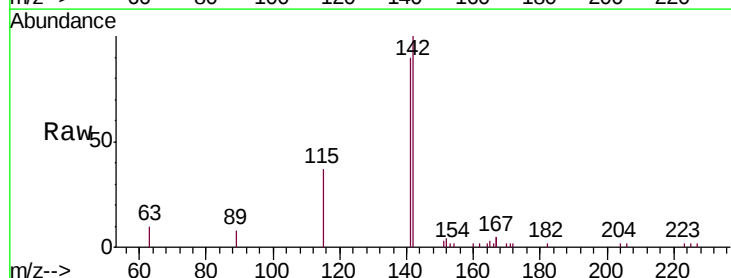
Instrument :
 BNA_E
 ClientSampleId :
 PB121385BS

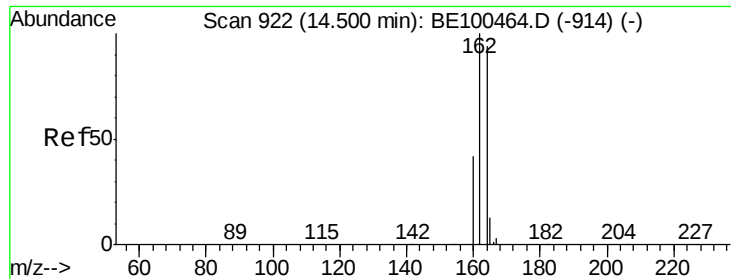
Tgt Ion:152 Resp: 5925
 Ion Ratio Lower Upper
 152 100
 151 11.8 15.8 23.6#



#12
 2-Methylnaphthalene
 Concen: 0.275 ng
 RT: 12.32 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Tgt Ion:142 Resp: 4348
 Ion Ratio Lower Upper
 142 100
 141 90.5 71.7 107.5
 115 36.6 30.4 45.6

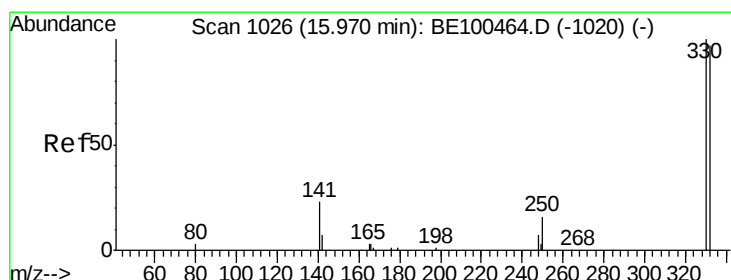
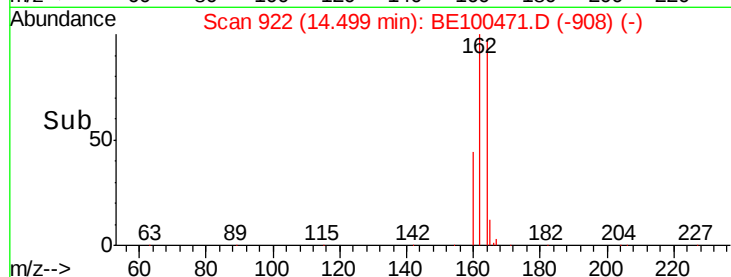
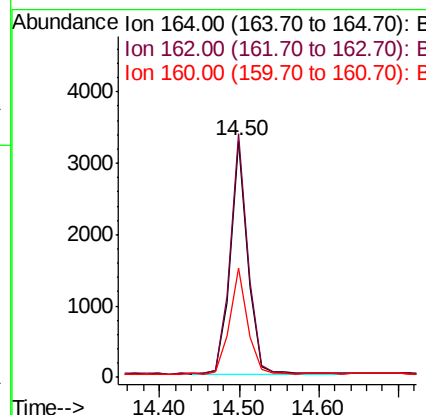
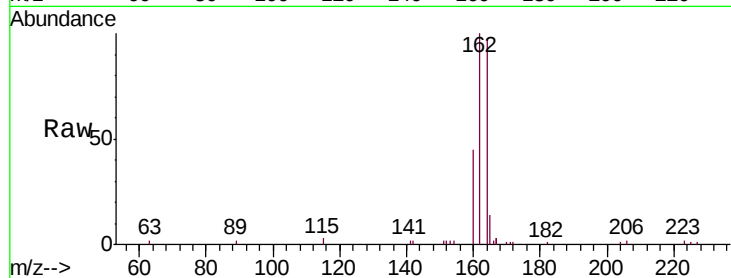




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

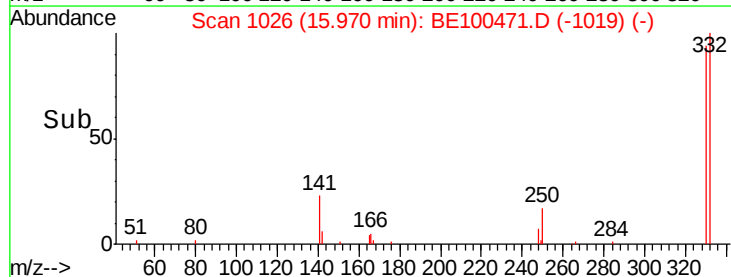
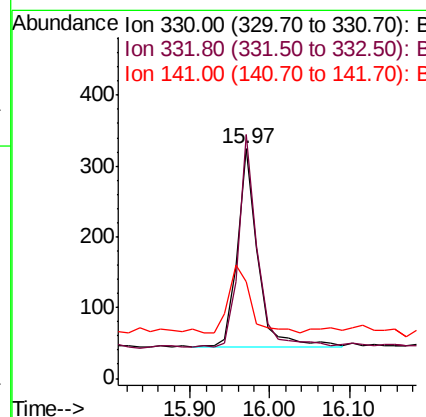
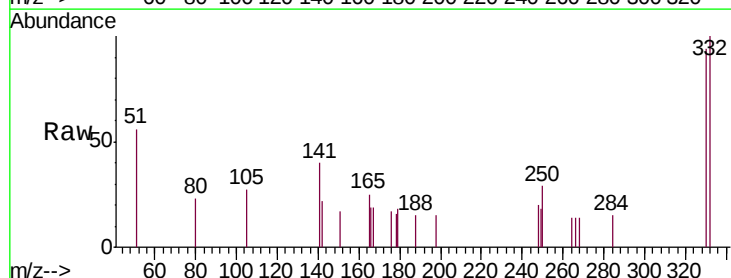
Instrument :
BNA_E
ClientSampleId :
PB121385BS

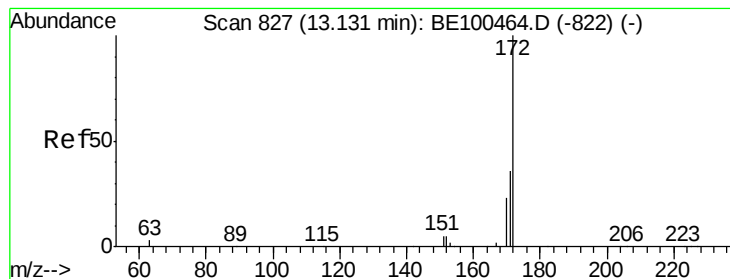
Tgt Ion:164 Resp: 4930
Ion Ratio Lower Upper
164 100
162 103.1 85.0 127.6
160 46.1 36.2 54.2



#14
2,4,6-Tribromophenol
Concen: 0.241 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion:330 Resp: 499
Ion Ratio Lower Upper
330 100
332 100.2 76.3 114.5
141 37.5 29.4 44.2





#15

2-Fluorobiphenyl

Concen: 0.263 ng

RT: 13.13 min Scan# 827

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

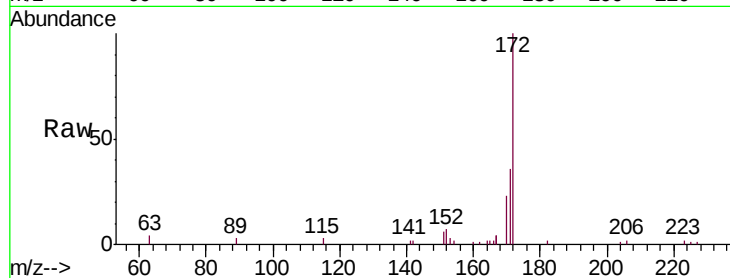
Tgt Ion:172 Resp: 5340

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

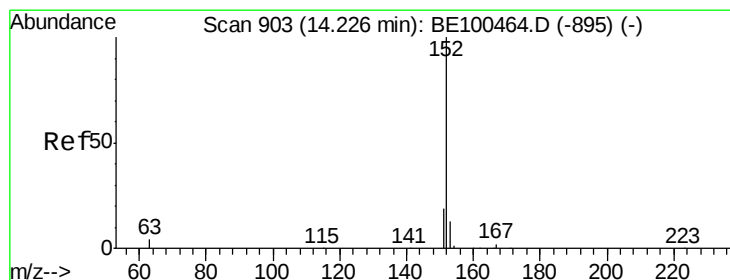
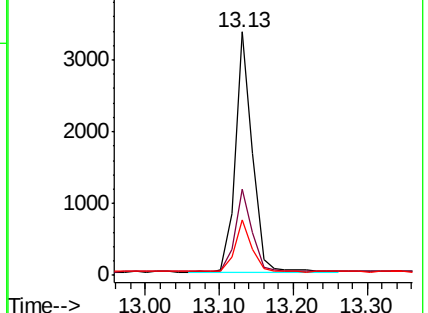
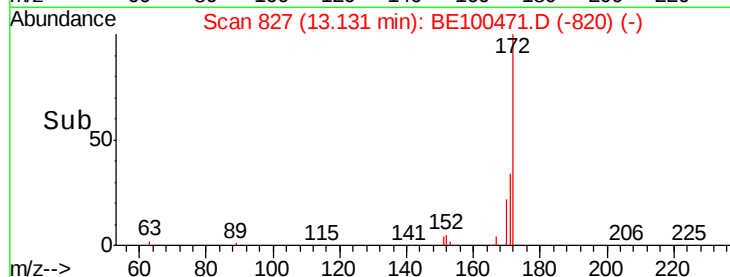
170 23.0 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.285 ng

RT: 14.21 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

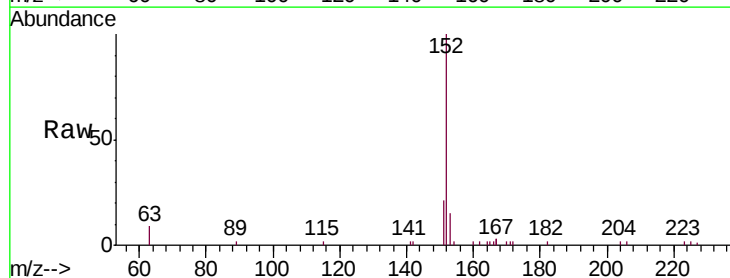
Tgt Ion:152 Resp: 6466

Ion Ratio Lower Upper

152 100

151 19.9 15.5 23.3

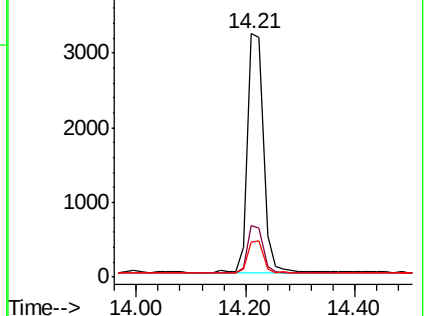
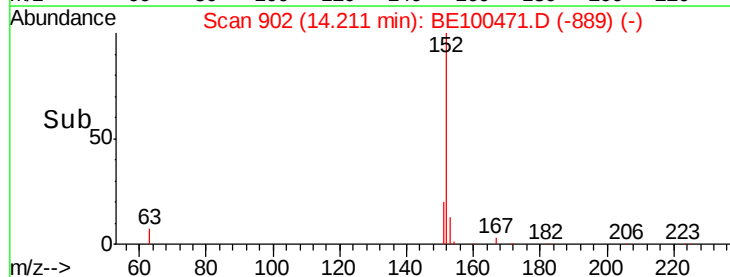
153 13.3 10.6 15.8

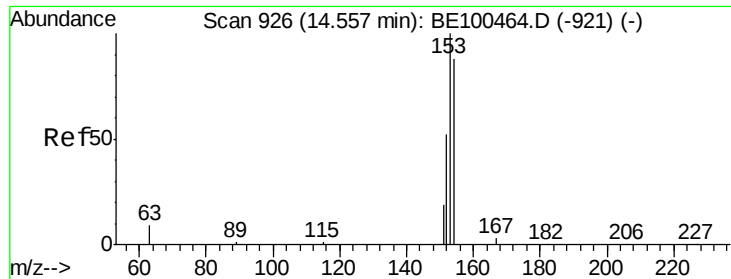


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

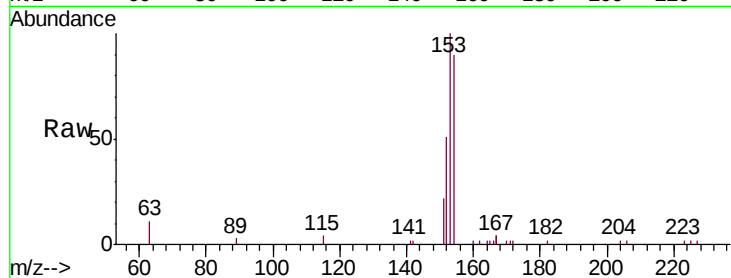




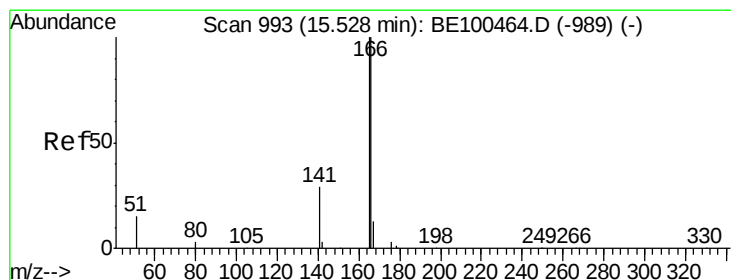
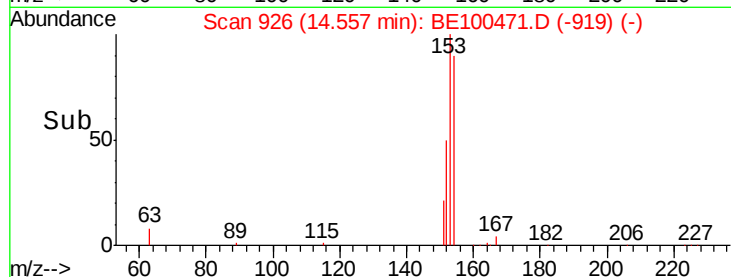
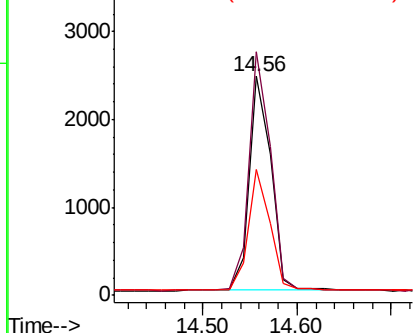
#17
Acenaphthene
Concen: 0.286 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampleId :
PB121385BS

Tgt Ion:154 Resp: 3944
Ion Ratio Lower Upper
154 100
153 110.3 89.4 134.2
152 56.0 44.4 66.6

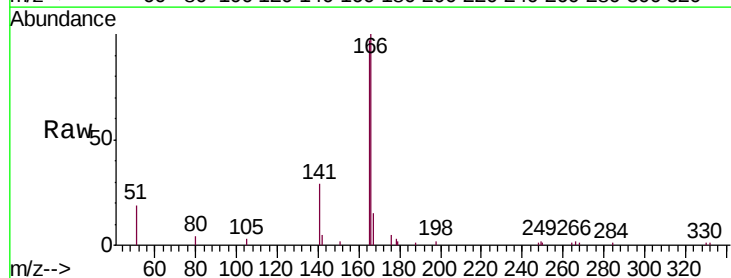


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

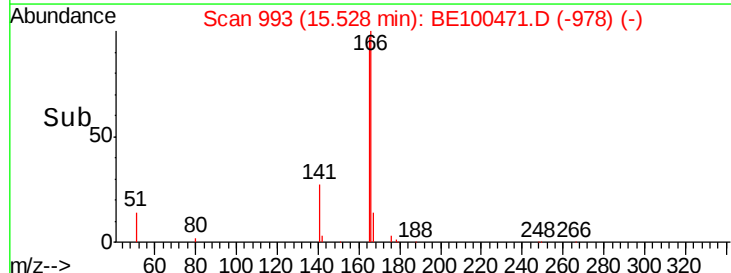
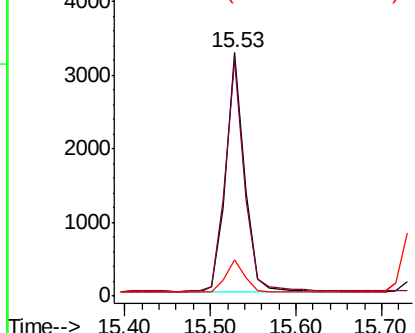


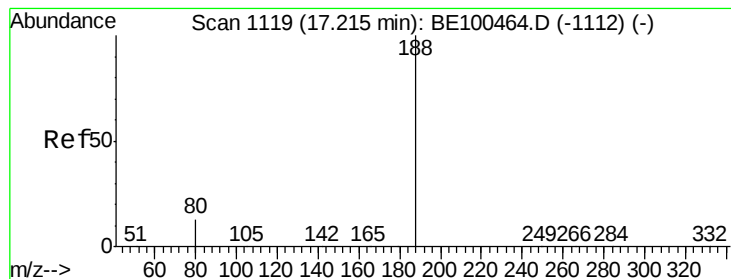
#18
Fluorene
Concen: 0.271 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion:166 Resp: 4962
Ion Ratio Lower Upper
166 100
165 97.5 79.8 119.8
167 14.0 10.4 15.6



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: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

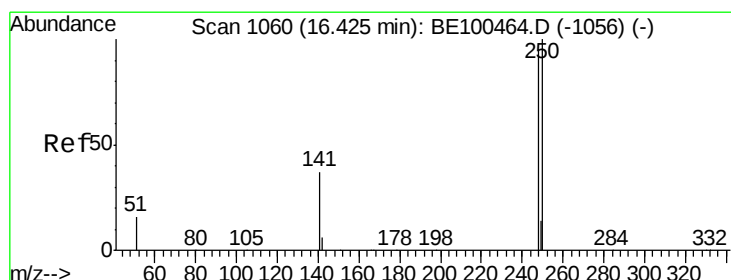
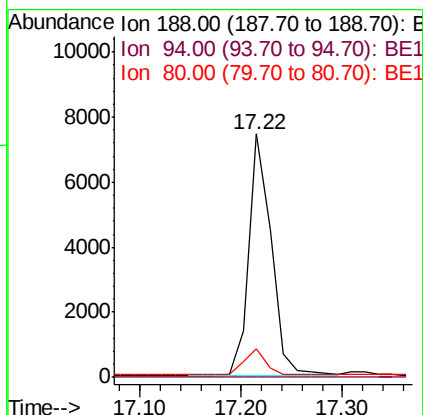
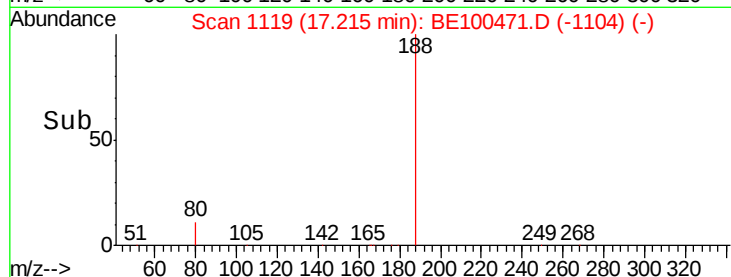
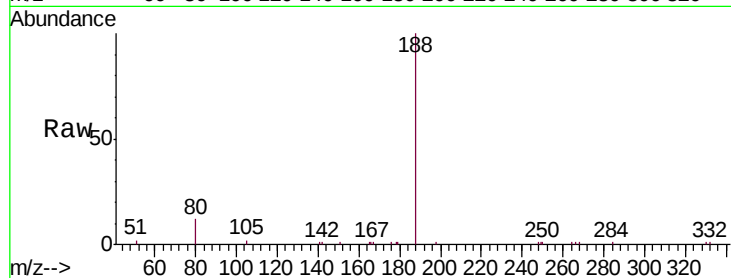
Tgt Ion:188 Resp: 11590

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 10.7 16.1



#20

4-Bromophenyl-phenylether

Concen: 0.288 ng

RT: 16.43 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

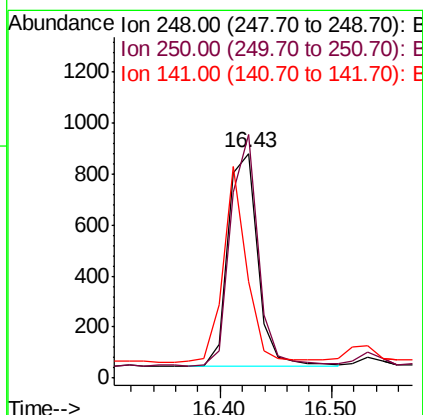
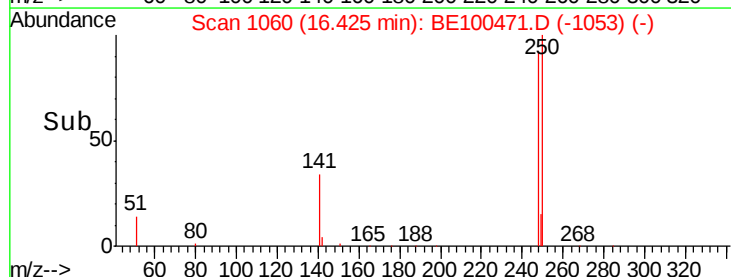
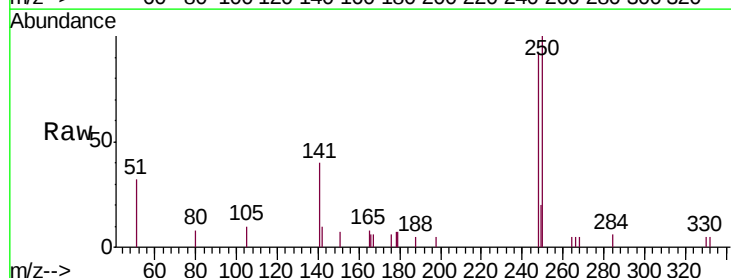
Tgt Ion:248 Resp: 1543

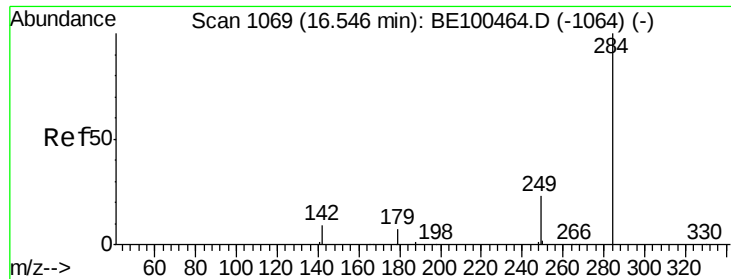
Ion Ratio Lower Upper

248 100

250 108.4 83.9 125.9

141 43.0 33.7 50.5

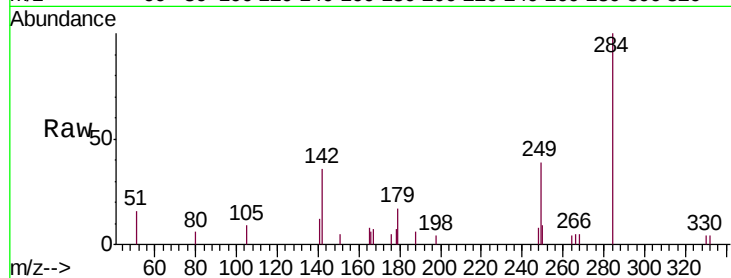




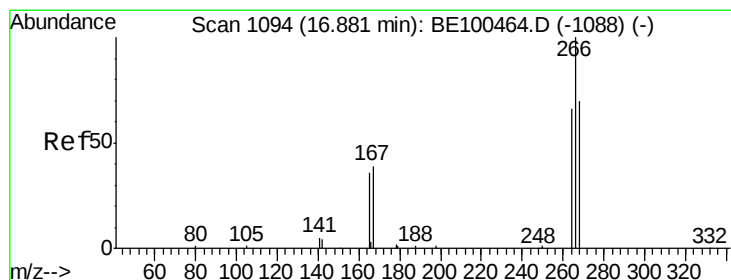
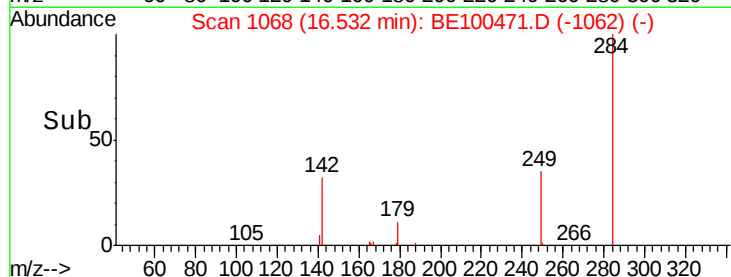
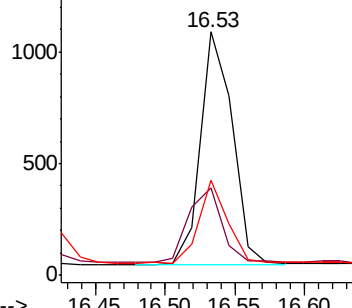
#21
Hexachlorobenzene
Concen: 0.298 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Instrument :
BNA_E
ClientSampled :
PB121385BS

Tgt Ion: 284 Resp: 1660
Ion Ratio Lower Upper
284 100
142 33.3 27.4 41.2
249 31.6 25.1 37.7

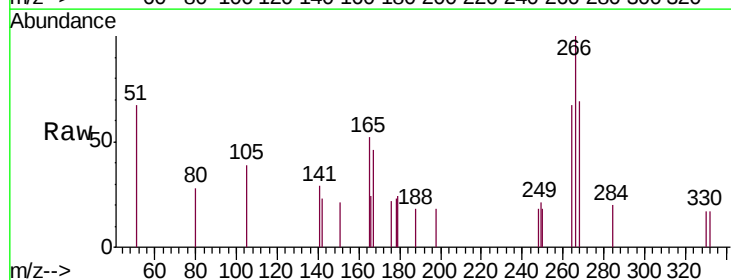


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

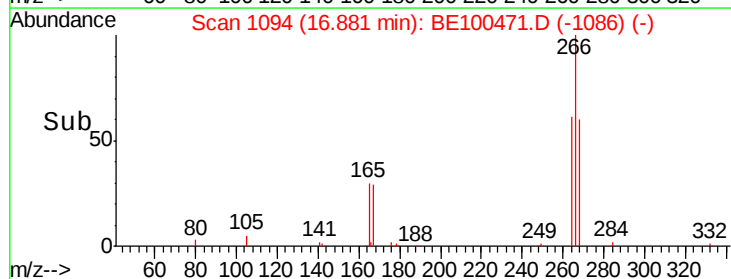
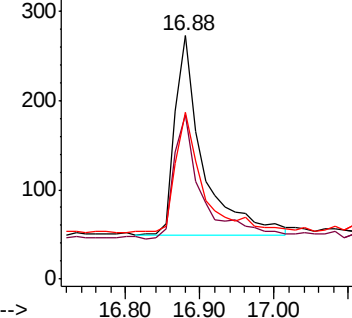


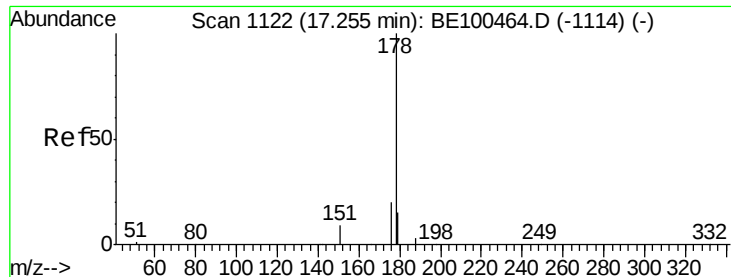
#22
Pentachlorophenol
Concen: 0.385 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE100471.D
Acq: 19 Jul 2019 15:51

Tgt Ion: 266 Resp: 585
Ion Ratio Lower Upper
266 100
264 67.3 55.5 83.3
268 68.8 59.2 88.8



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: 0.295 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

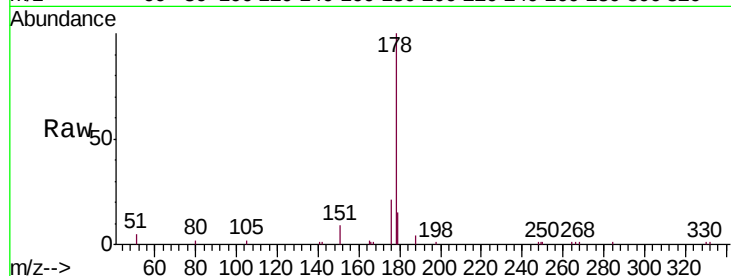
Tgt Ion:178 Resp: 8449

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

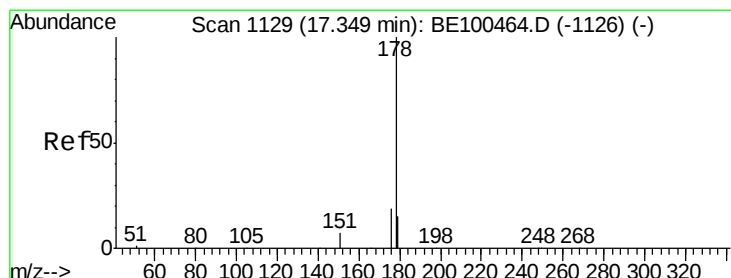
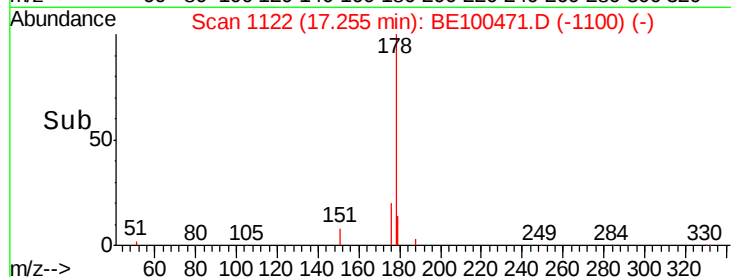
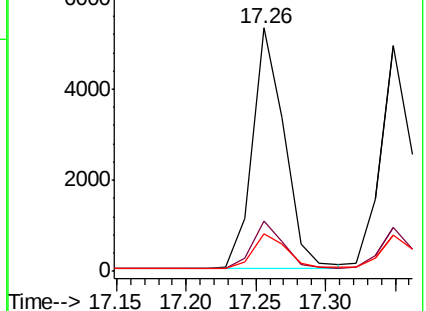
179 15.6 12.5 18.7



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



#24

Anthracene

Concen: 0.283 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

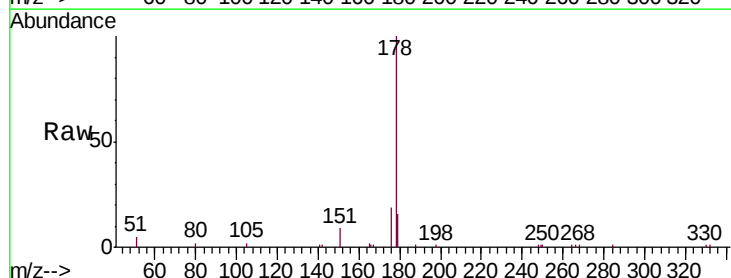
Tgt Ion:178 Resp: 7582

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

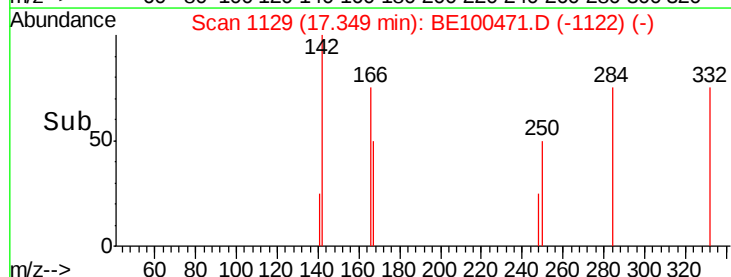
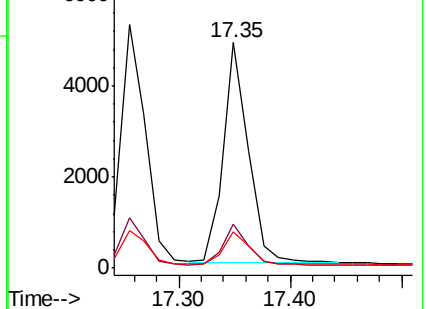
179 15.0 12.2 18.2

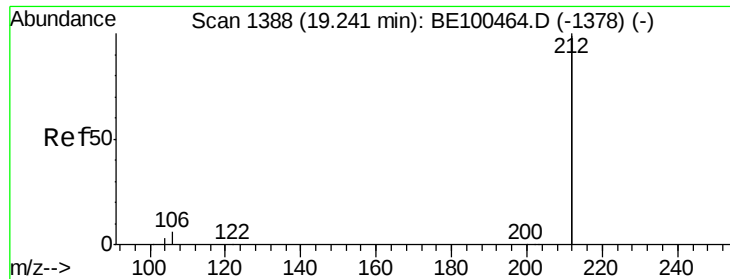


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

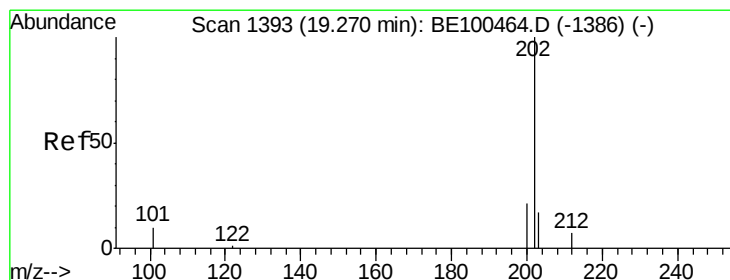
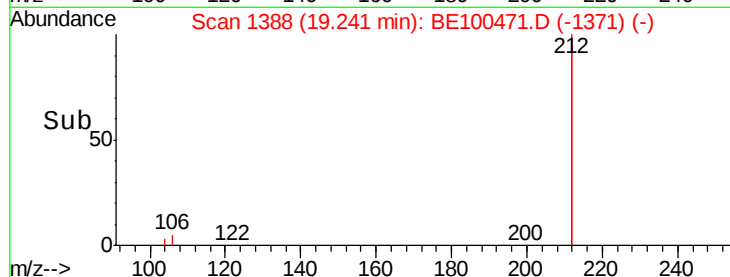
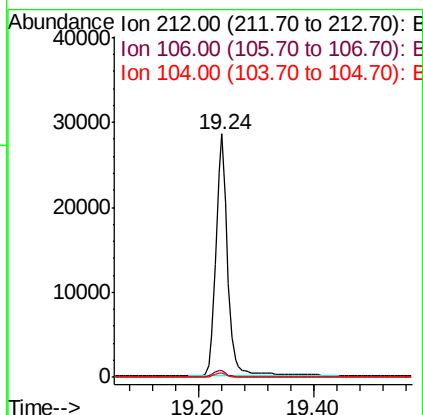
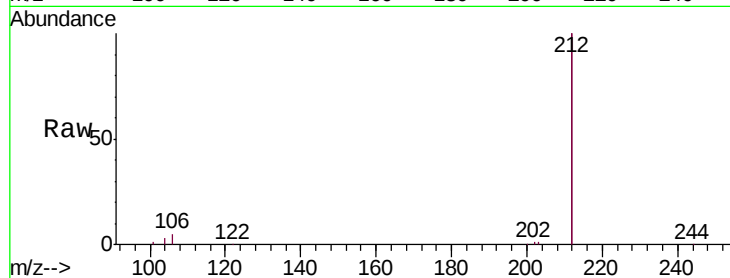




#25
 Fluoranthene-d10
 Concen: 0.245 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

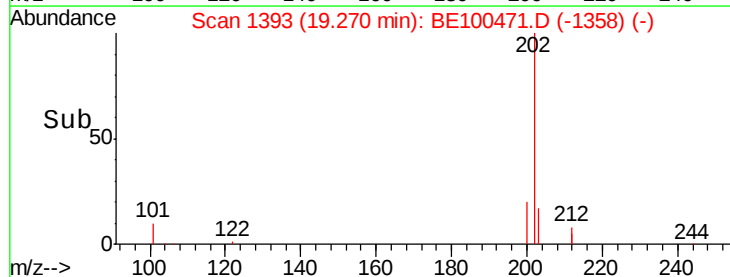
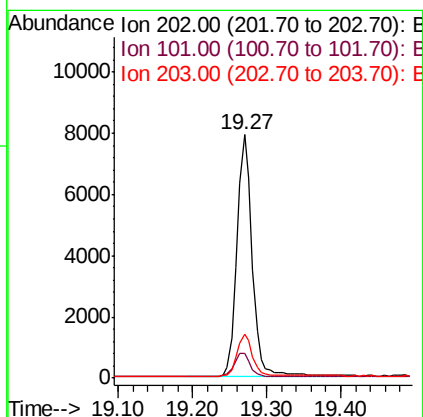
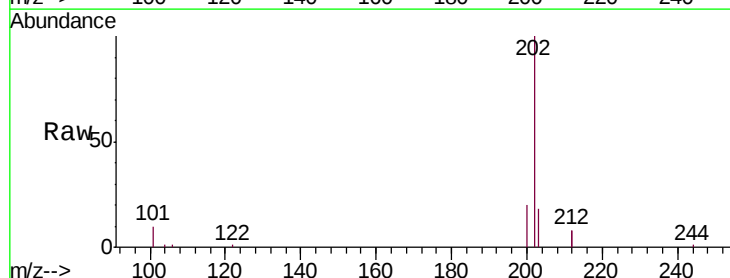
Instrument :
 BNA_E
 ClientSampleId :
 PB121385BS

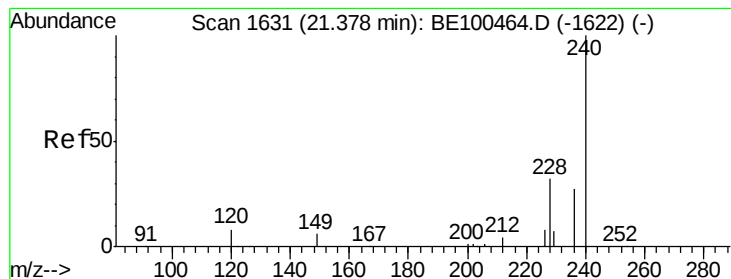
Tgt Ion:212 Resp: 39740
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.2 3.2
 104 1.5 1.2 1.8



#26
 Fluoranthene
 Concen: 0.267 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE100471.D
 Acq: 19 Jul 2019 15:51

Tgt Ion:202 Resp: 11355
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.3 12.5
 203 17.0 13.6 20.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

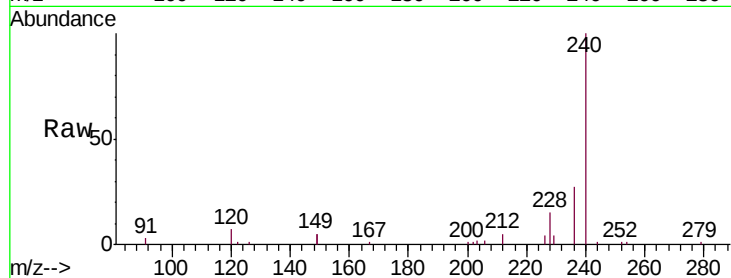
Tgt Ion:240 Resp: 15731

Ion Ratio Lower Upper

240 100

120 7.2 7.1 10.7

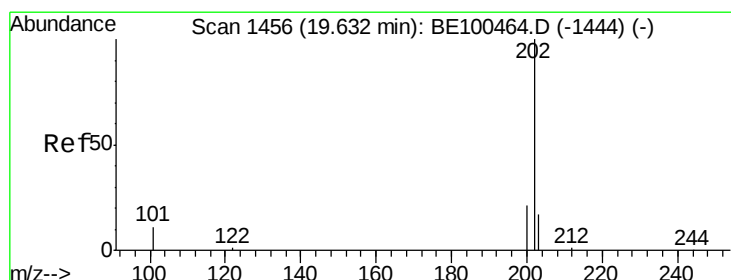
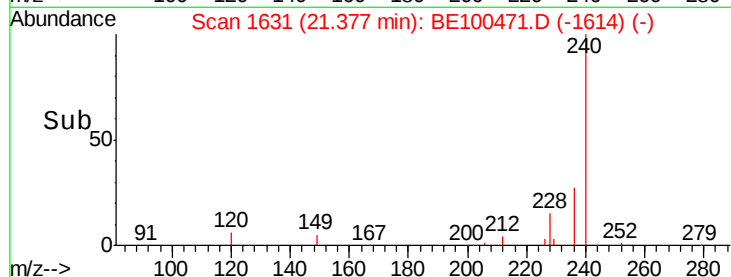
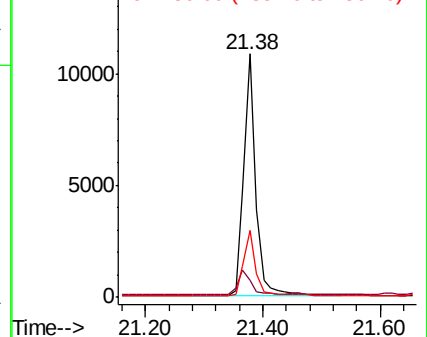
236 27.5 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.260 ng

RT: 19.63 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

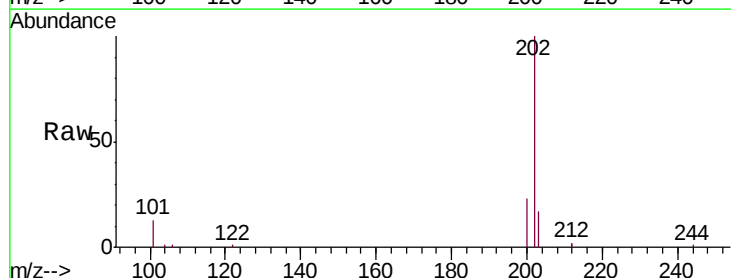
Tgt Ion:202 Resp: 12013

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

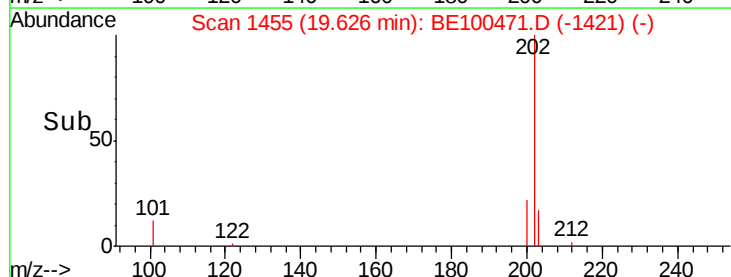
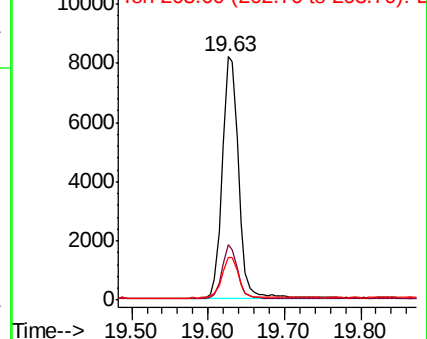
203 17.9 13.8 20.8

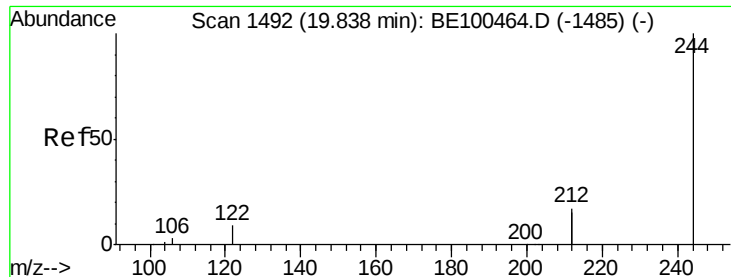


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.193 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

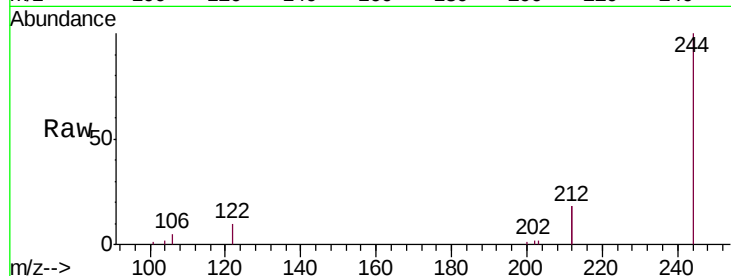
Tgt Ion:244 Resp: 7002

Ion Ratio Lower Upper

244 100

212 35.5 26.6 40.0

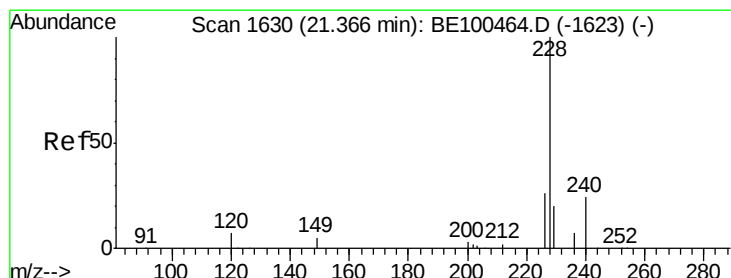
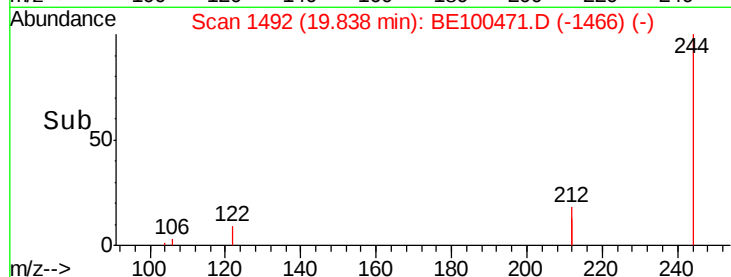
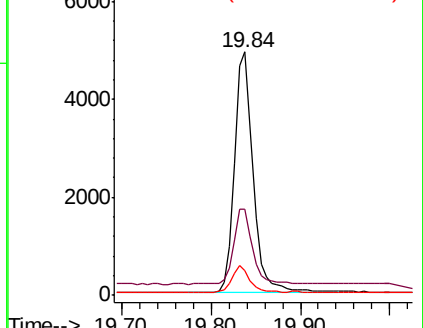
122 10.3 7.6 11.4



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: 0.277 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

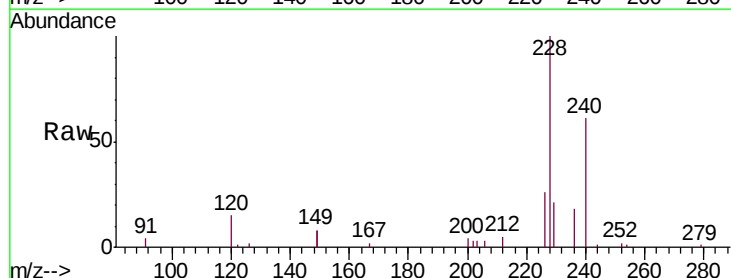
Tgt Ion:228 Resp: 13292

Ion Ratio Lower Upper

228 100

226 26.5 21.3 31.9

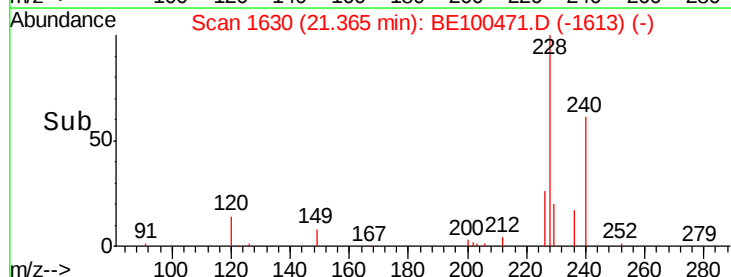
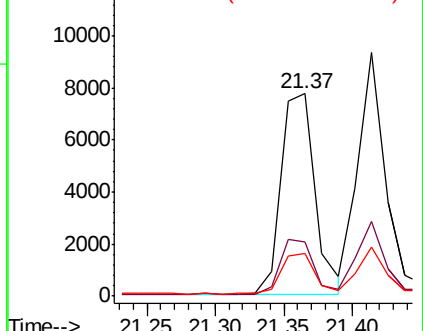
229 20.9 16.6 25.0

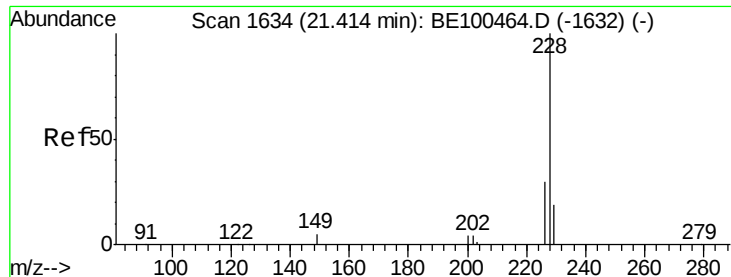


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.270 ng

RT: 21.41 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

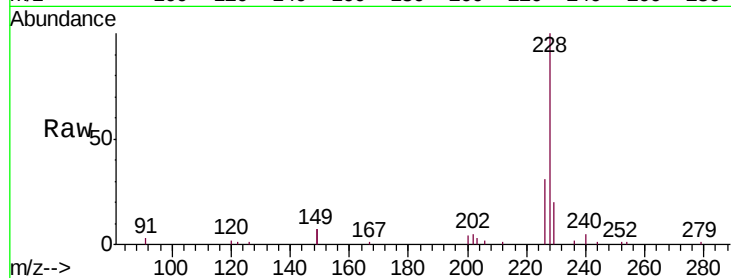
Tgt Ion:228 Resp: 12924

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

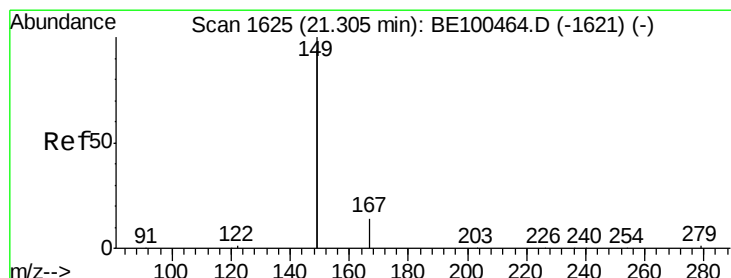
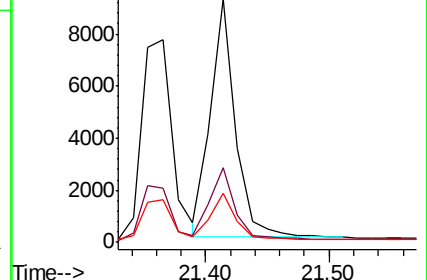
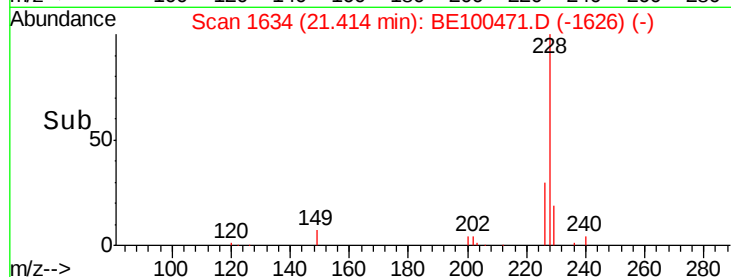
229 20.2 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.300 ng

RT: 21.30 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

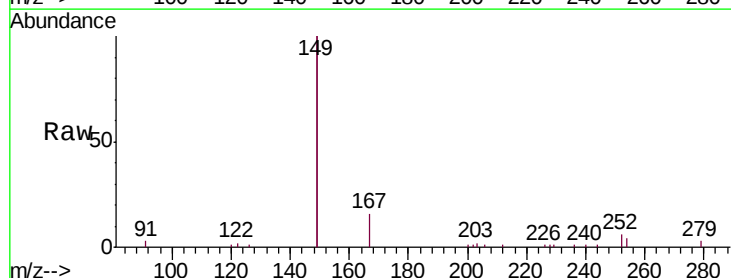
Tgt Ion:149 Resp: 31945

Ion Ratio Lower Upper

149 100

167 7.1 5.8 8.6

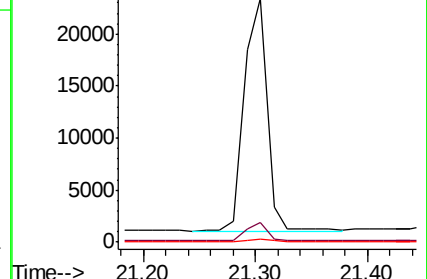
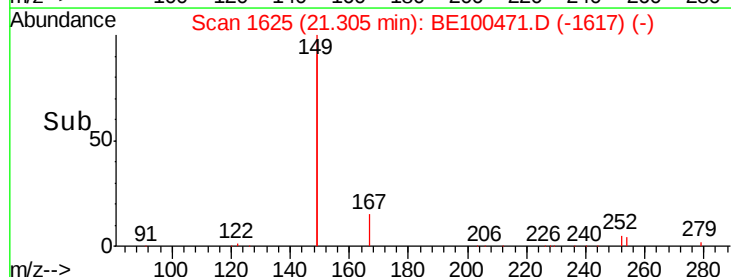
279 0.9 0.8 1.2

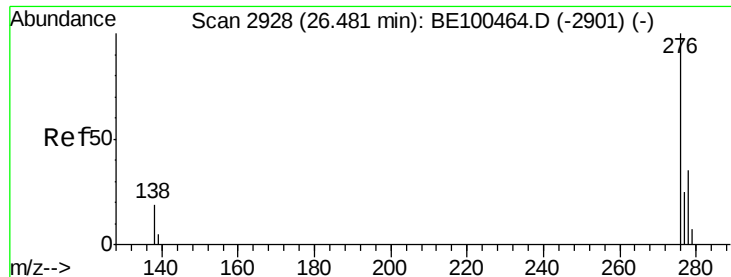


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.355 ng

RT: 26.48 min Scan# 2927

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

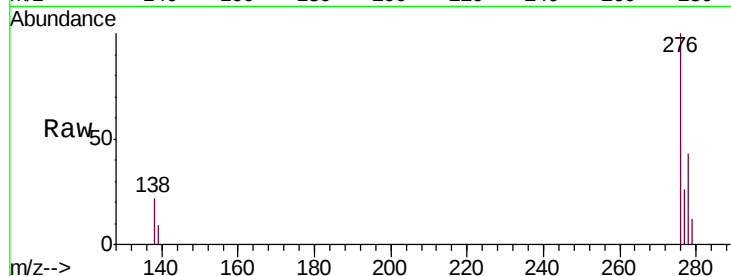
Tgt Ion:276 Resp: 18381

Ion Ratio Lower Upper

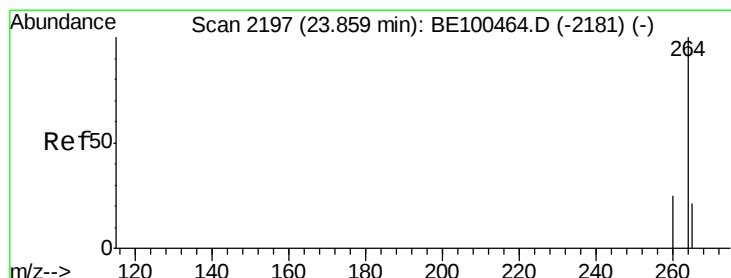
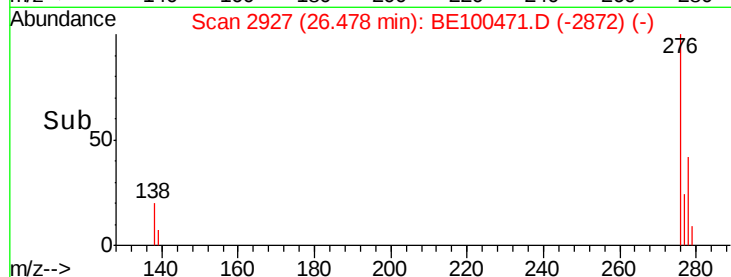
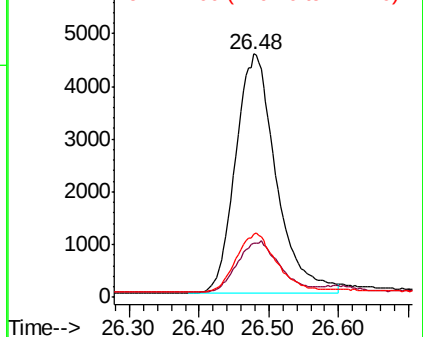
276 100

138 22.0 17.4 26.0

277 24.5 19.4 29.0



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: 23.86 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

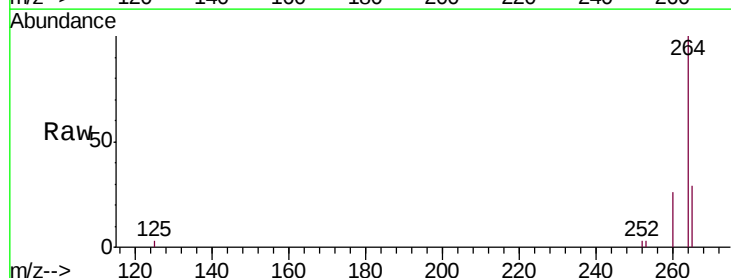
Tgt Ion:264 Resp: 20498

Ion Ratio Lower Upper

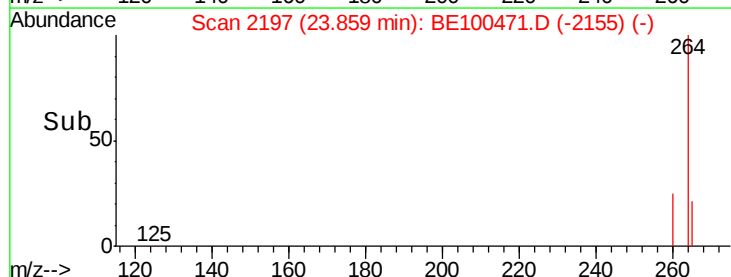
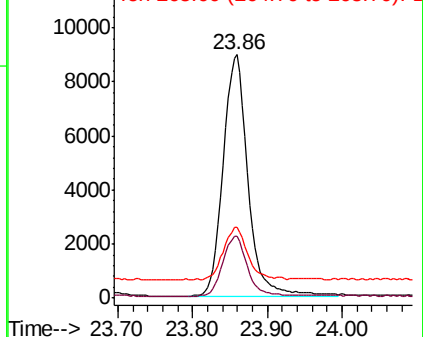
264 100

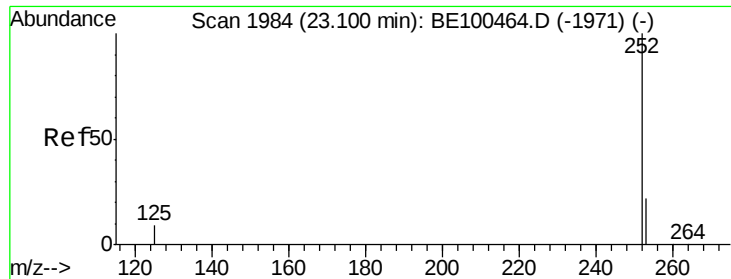
260 25.6 20.7 31.1

265 29.0 23.4 35.0



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: 0.280 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

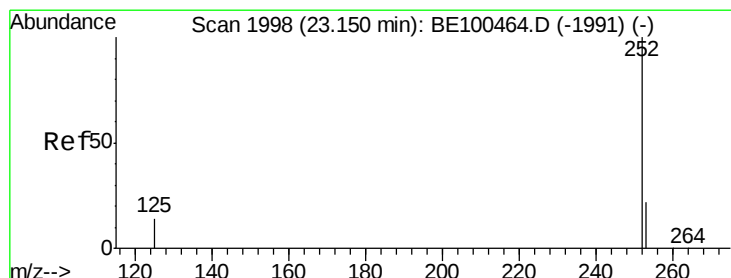
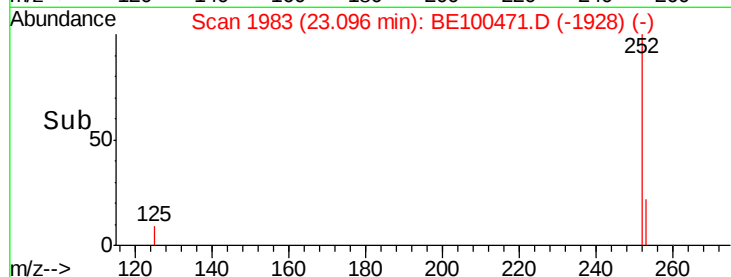
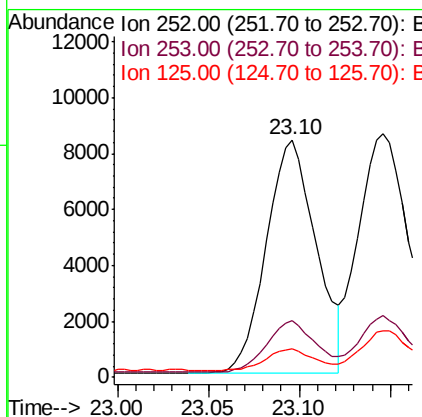
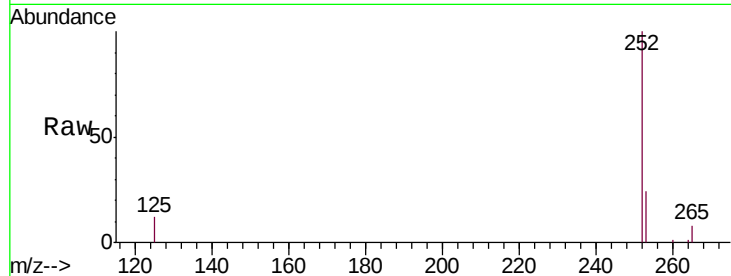
BNA_E

ClientSampleId :

PB121385BS

Tgt Ion:252 Resp: 15870

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	12.1	9.0	13.4



#36

Benzo(k)fluoranthene

Concen: 0.264 ng

RT: 23.10 min Scan# 1983

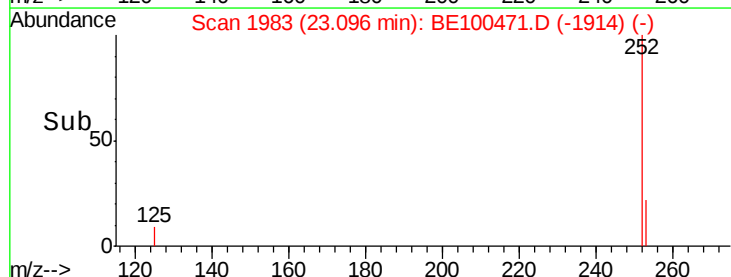
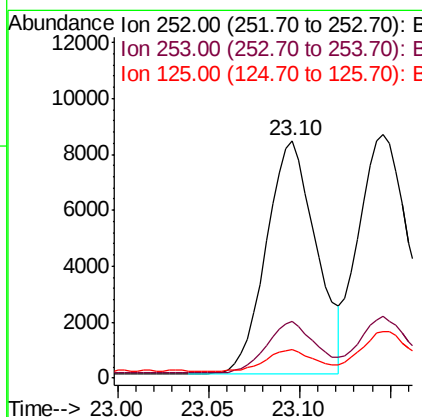
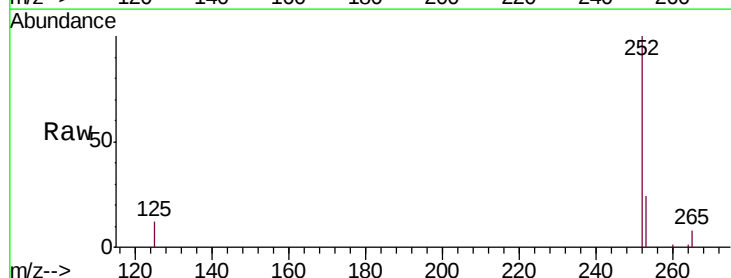
Delta R.T. -0.05 min

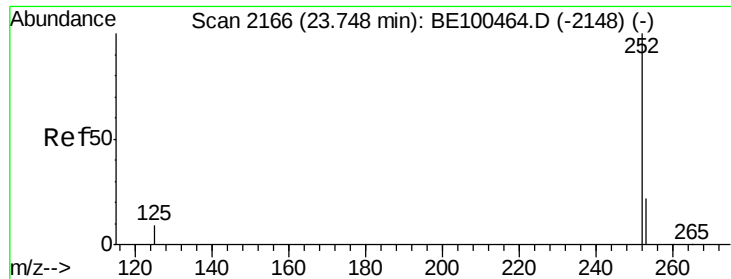
Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Tgt Ion:252 Resp: 15870

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.4
125	12.1	11.8	17.8





#37

Benzo(a)pyrene

Concen: 0.303 ng

RT: 23.74 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

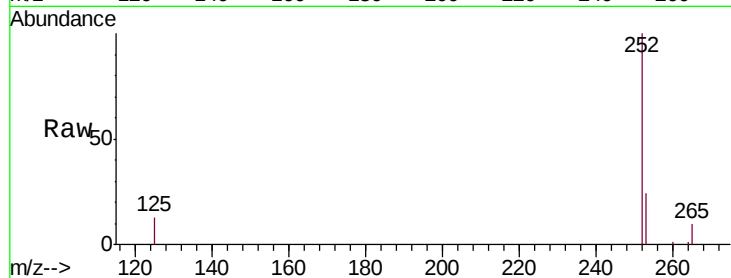
Tgt Ion:252 Resp: 16541

Ion Ratio Lower Upper

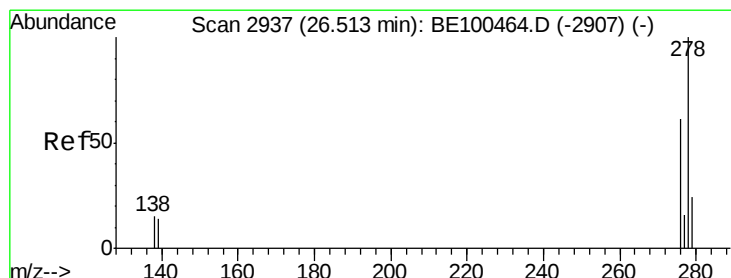
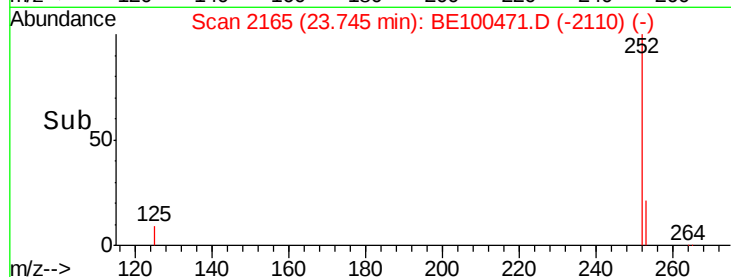
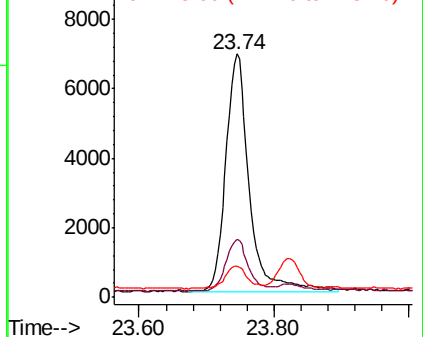
252 100

253 23.7 19.1 28.7

125 12.7 10.0 15.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.298 ng

RT: 26.50 min Scan# 2934

Delta R.T. -0.01 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

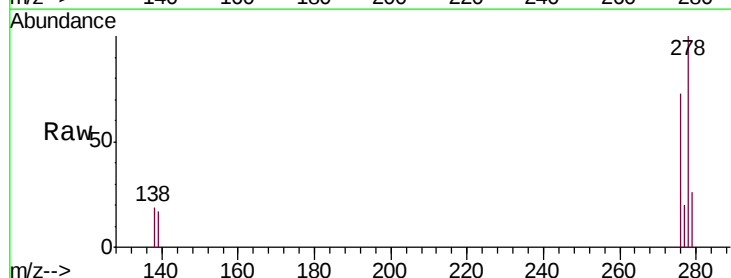
Tgt Ion:278 Resp: 15340

Ion Ratio Lower Upper

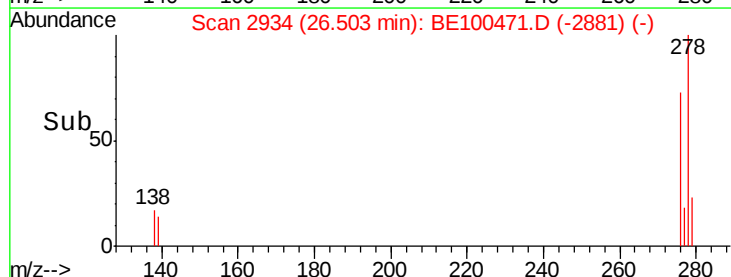
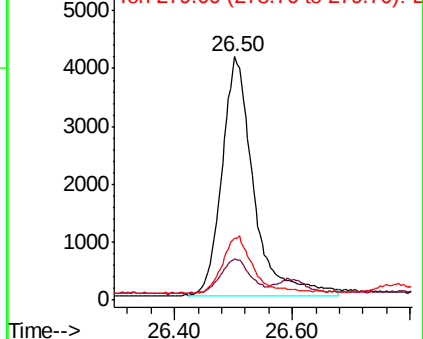
278 100

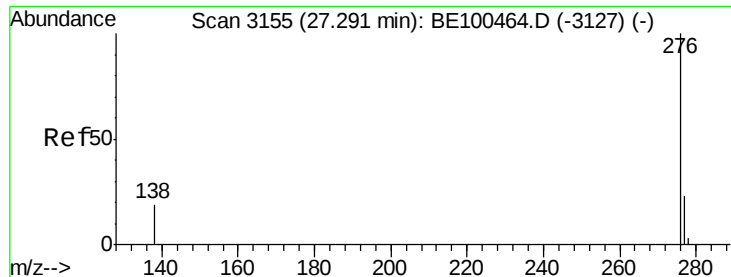
139 17.2 13.0 19.6

279 25.6 20.4 30.6



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: 0.311 ng

RT: 27.28 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BE100471.D

Acq: 19 Jul 2019 15:51

Instrument :

BNA_E

ClientSampleId :

PB121385BS

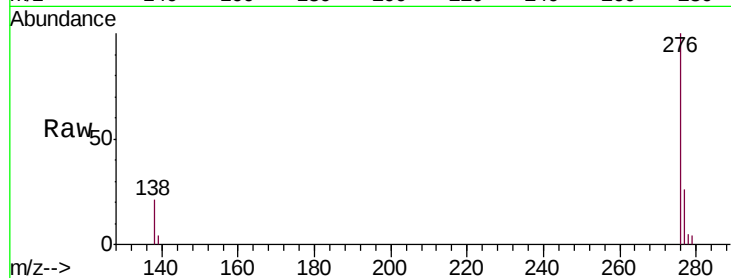
Tgt Ion: 276 Resp: 16484

Ion Ratio Lower Upper

276 100

277 25.5 19.9 29.9

138 20.8 16.7 25.1



Abundance Ion 276.00 (275.70 to 276.70): E

6000 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

