

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100936.D
 Acq On : 17 Dec 2019 2:15
 Operator : JU
 Sample : K6239-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BE-216-COMP-S

Quant Time: Dec 17 07:21:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	5283	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	26277	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	26114	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	37950	0.40	ng	0.00
27) Chrysene-d12	21.31	240	27604	0.40	ng	0.00
34) Perylene-d12	23.77	264	32607	0.40	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	3238	0.26	ng	-0.01
5) Phenol-d6	6.93	99	5362	0.28	ng	0.00
8) Nitrobenzene-d5	8.90	82	4624	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	10167	0.27	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	1180	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	12989	0.13	ng	0.00
25) Fluoranthene-d10	19.16	212	105948	0.24	ng	0.01
29) Terphenyl-d14	19.76	244	16361	0.25	ng	0.00

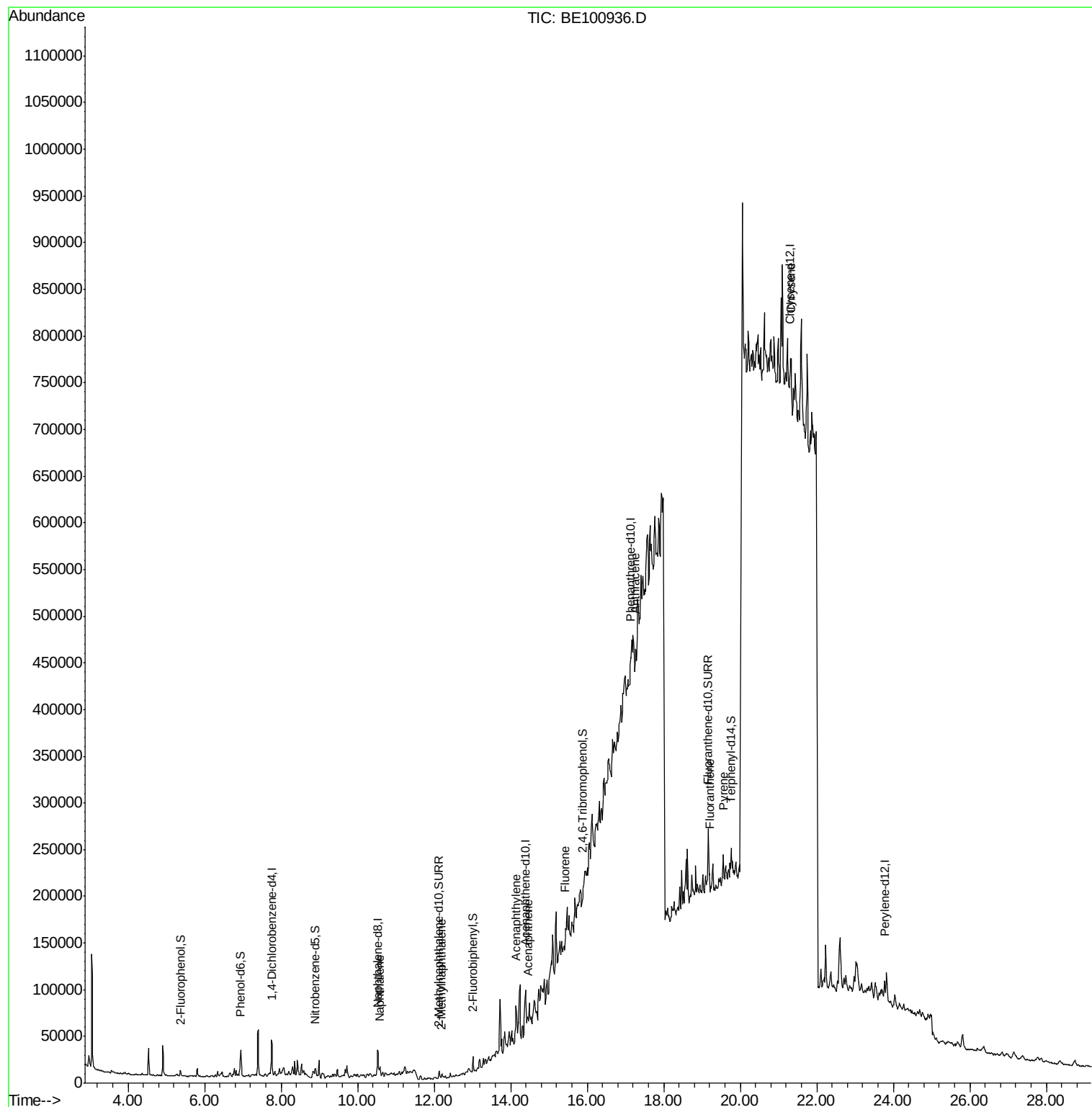
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.57	128	18105	0.065	ng	# 98
12) 2-Methylnaphthalene	12.19	142	3367	0.077	ng	# 87
16) Acenaphthylene	14.14	152	24275	0.225	ng	# 1
17) Acenaphthene	14.46	154	2192	0.029	ng	# 55
18) Fluorene	15.42	166	8295	0.086	ng	# 55
24) Anthracene	17.25	178	9930	0.103	ng	# 89
26) Fluoranthene	19.20	202	17038	0.124	ng	# 26
28) Pyrene	19.55	202	39264	0.438	ng	# 63
31) Chrysene	21.33	228	44557	0.466	ng	# 1

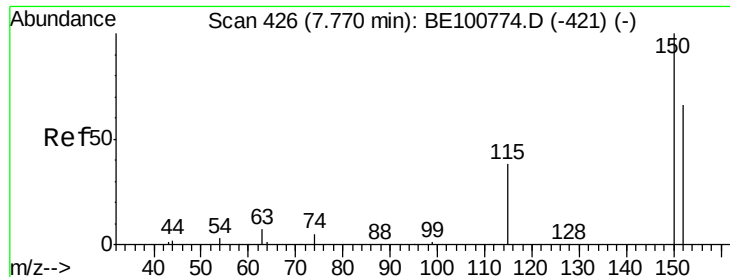
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
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QLast Update : Fri Dec 13 10:42:38 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

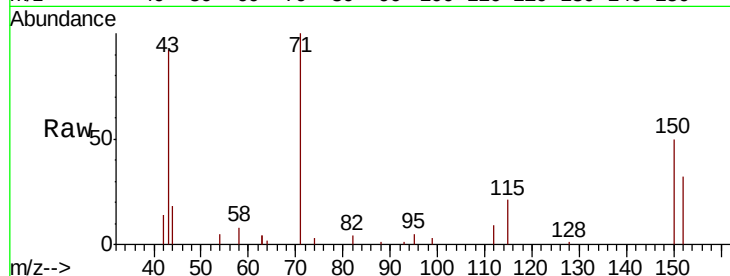
Tot Ion:152 Resp: 5283

Ion Ratio Lower Upper

152 100

150 153.9 125.5 188.3

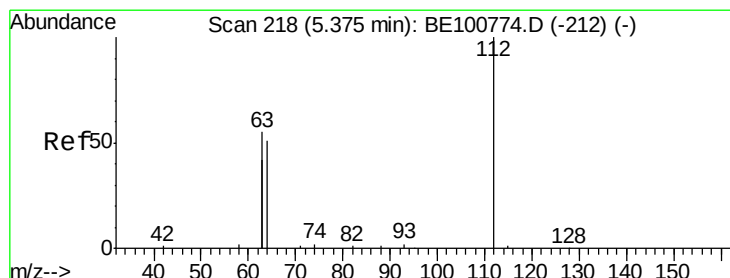
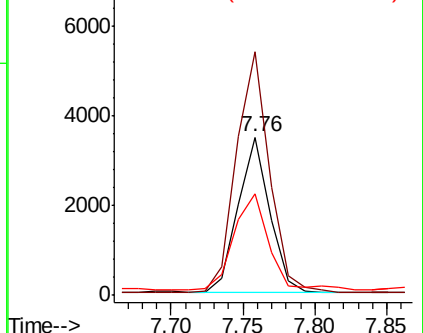
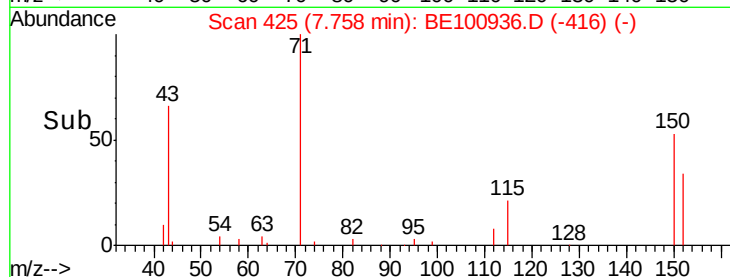
115 64.5 55.7 83.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.258 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

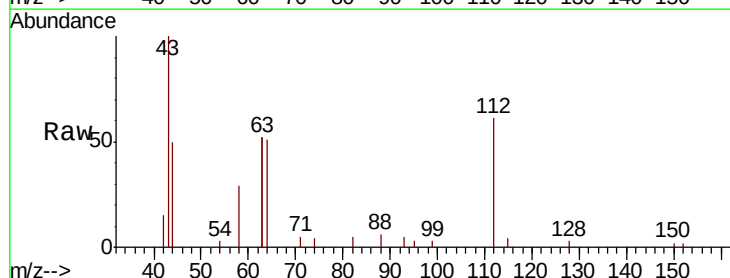
Tgt Ion:112 Resp: 3238

Ion Ratio Lower Upper

112 100

64 66.8 54.5 81.7

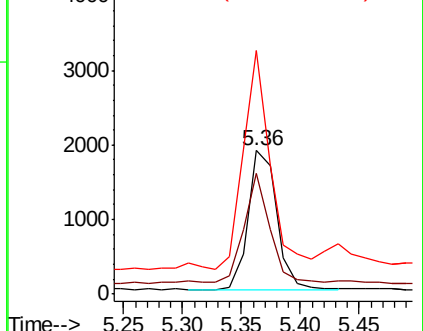
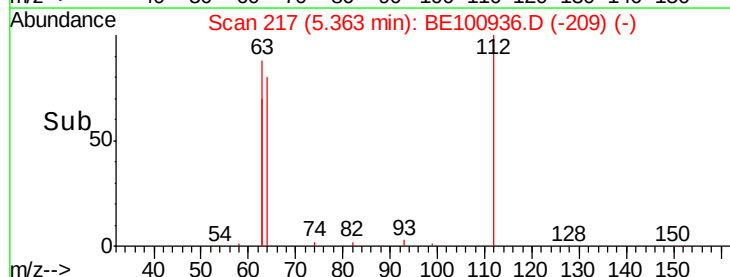
63 144.8 116.1 174.1

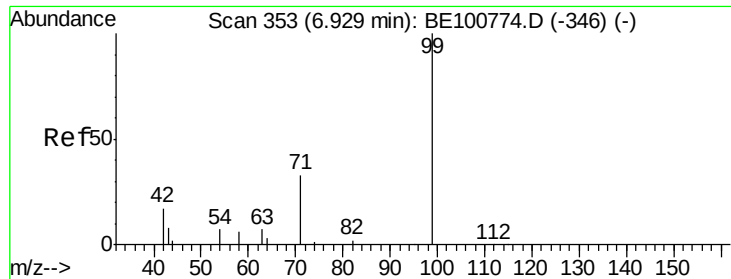


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.283 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

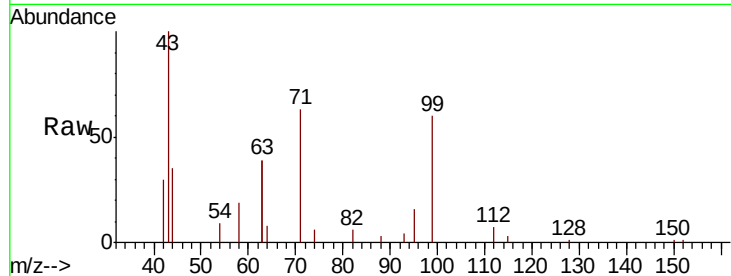
Tot Ion: 99 Resp: 5362

Ion Ratio Lower Upper

99 100

42 0.0 18.2 27.2#

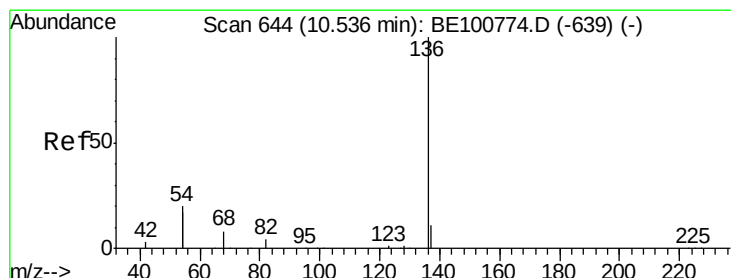
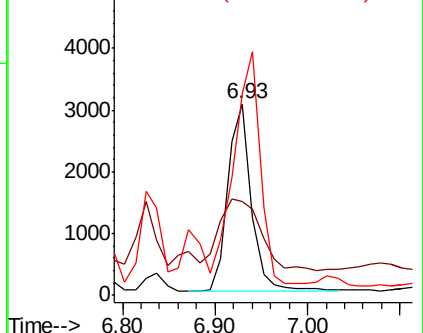
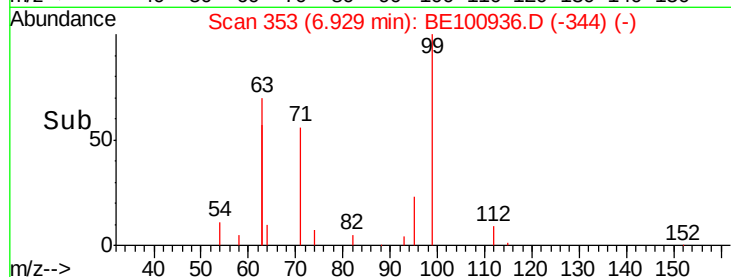
71 135.8 29.1 43.7#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Tgt Ion: 136 Resp: 26277

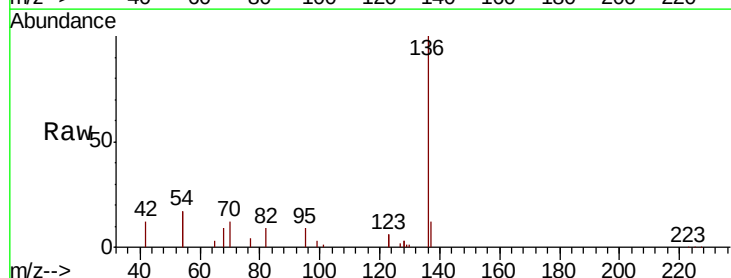
Ion Ratio Lower Upper

136 100

137 12.3 9.1 13.7

54 34.6 18.9 28.3#

68 8.9 4.6 6.8#

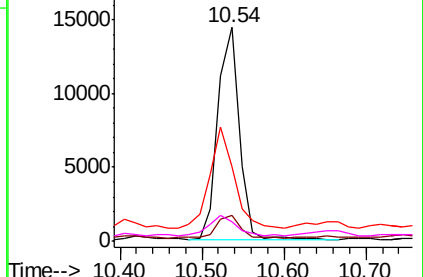
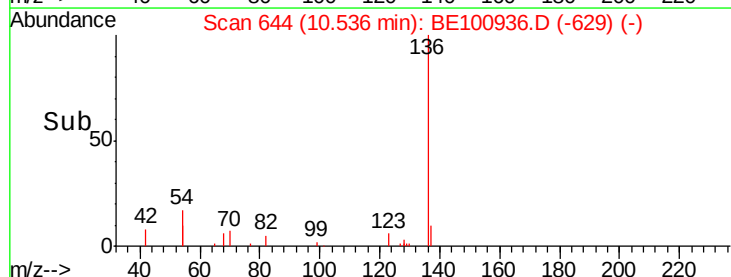


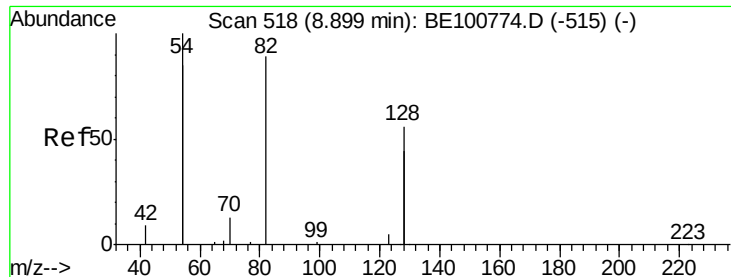
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.370 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

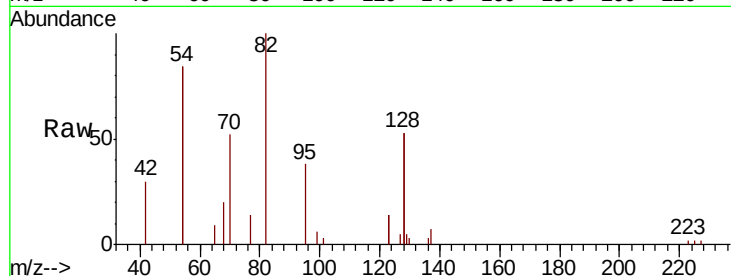
Tot Ion: 82 Resp: 4624

Ion Ratio Lower Upper

82 100

128 105.8 113.5 170.3#

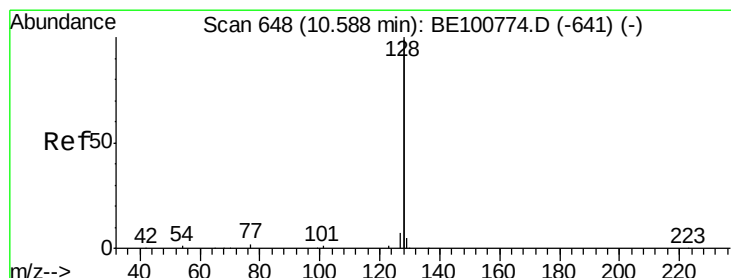
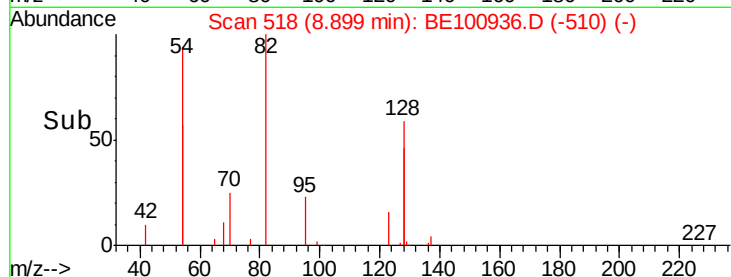
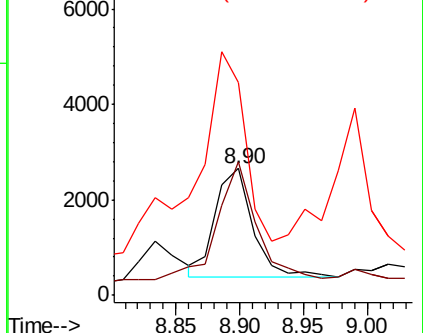
54 168.4 138.9 208.3



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.065 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

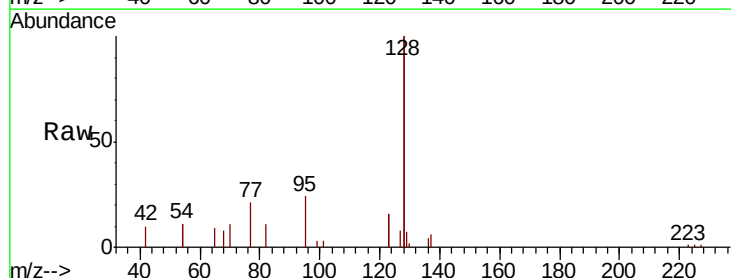
Tgt Ion: 128 Resp: 18105

Ion Ratio Lower Upper

128 100

129 3.7 2.2 3.4#

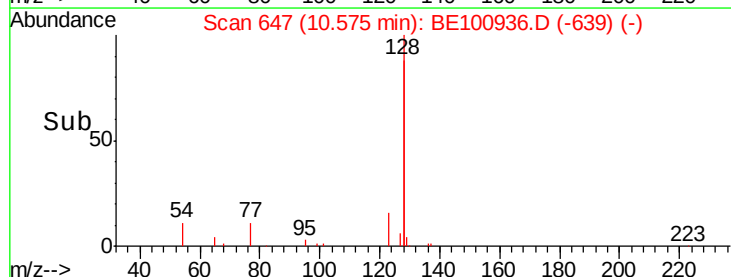
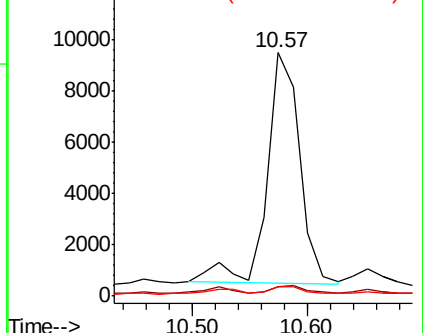
127 3.9 2.8 4.2

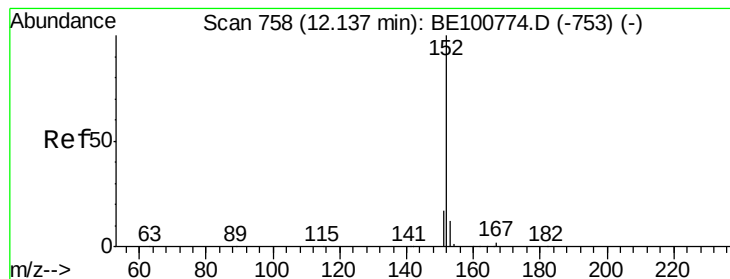


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.267 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.02 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

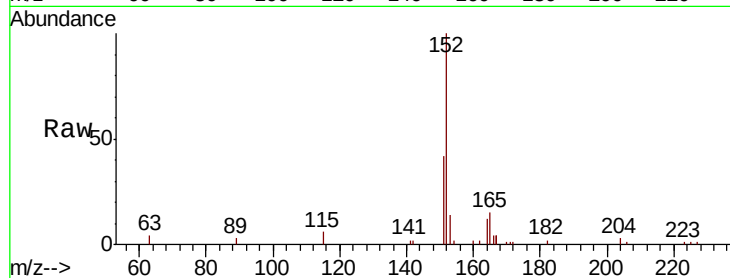
BE-216-COMP-S

Tot Ion:152 Resp: 10167

Ion Ratio Lower Upper

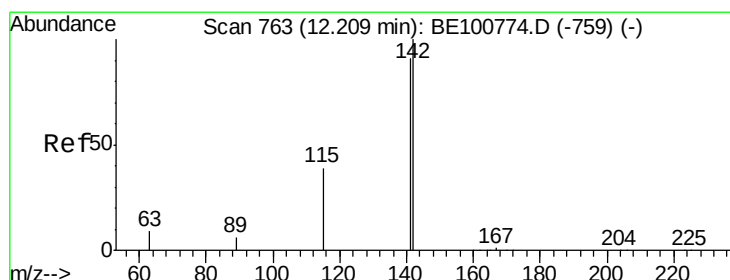
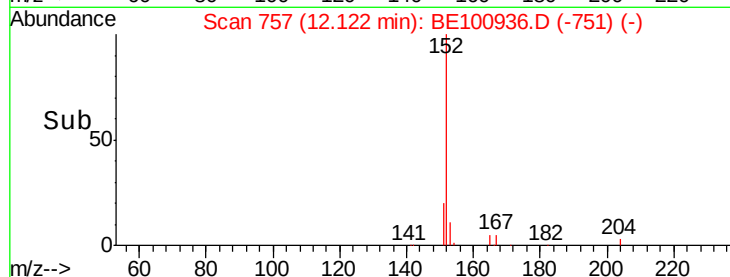
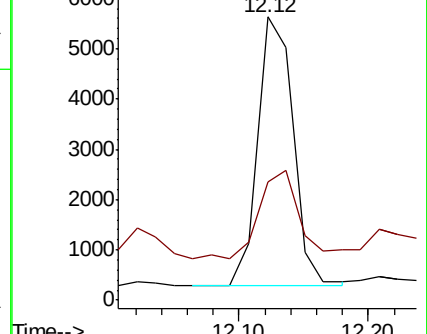
152 100

151 36.7 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.077 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.02 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

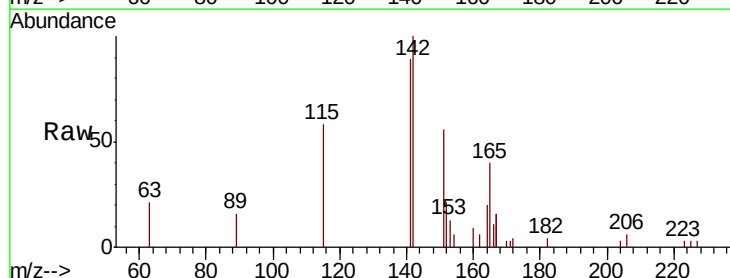
Tgt Ion:142 Resp: 3367

Ion Ratio Lower Upper

142 100

141 89.0 68.9 103.3

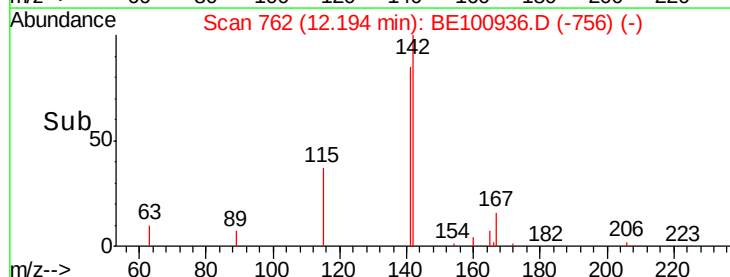
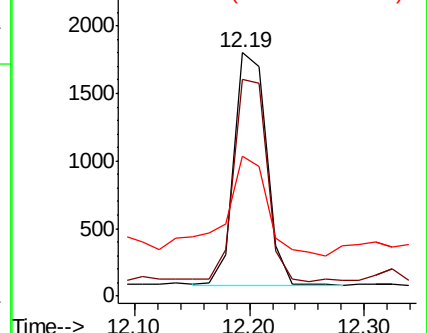
115 57.7 29.5 44.3#

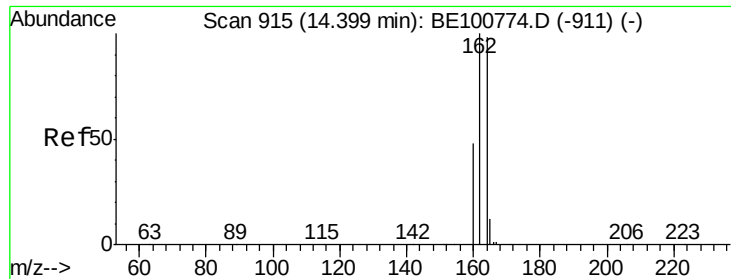


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

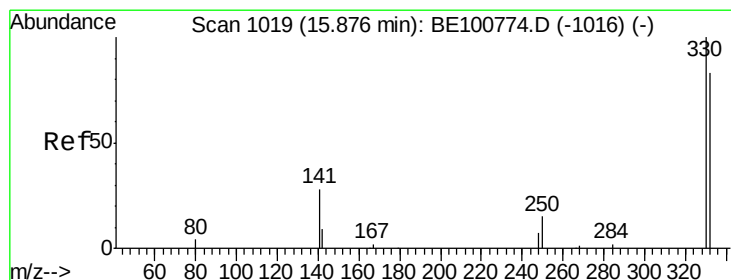
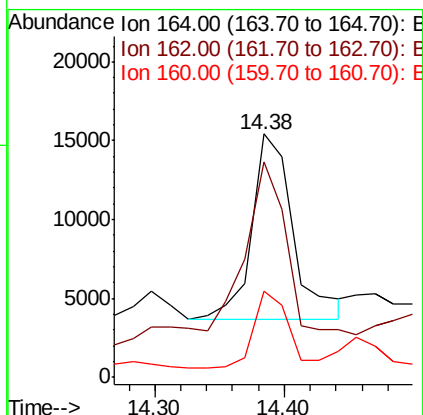
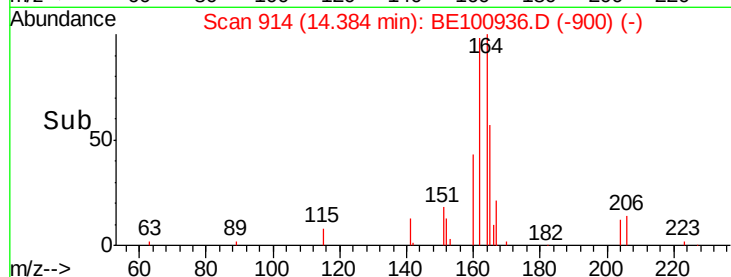
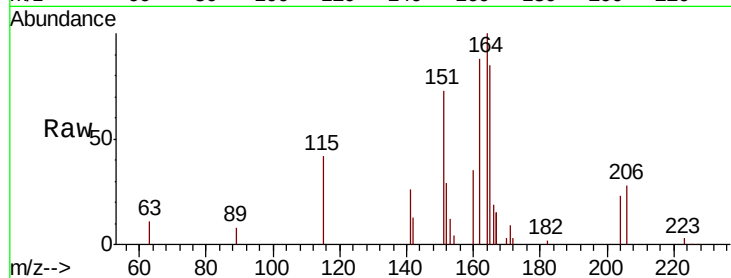
Tot Ion:164 Resp: 26114

Ion Ratio Lower Upper

164 100

162 88.3 86.0 129.0

160 35.4 42.3 63.5#



#14

2,4,6-Tribromophenol

Concen: 0.406 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

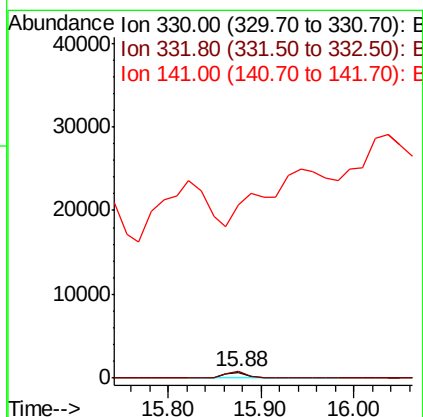
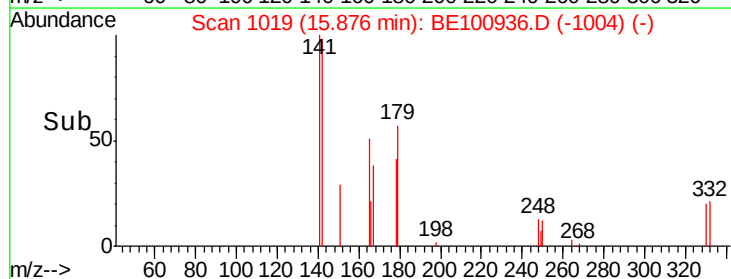
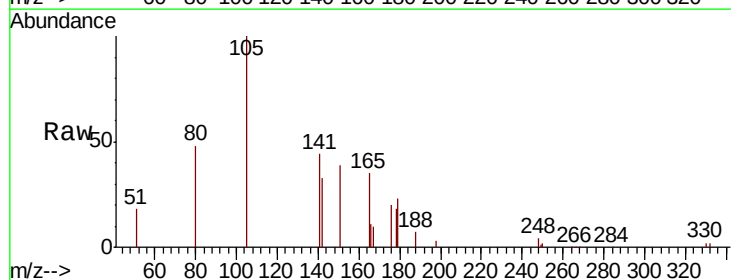
Tgt Ion:330 Resp: 1180

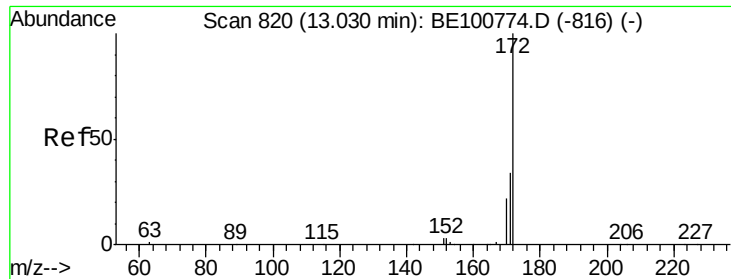
Ion Ratio Lower Upper

330 100

332 99.2 74.1 111.1

141 0.0 46.7 70.1#

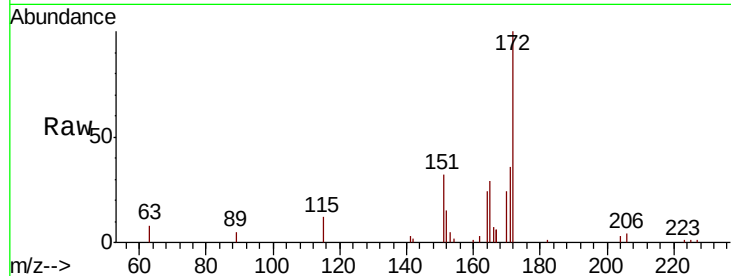




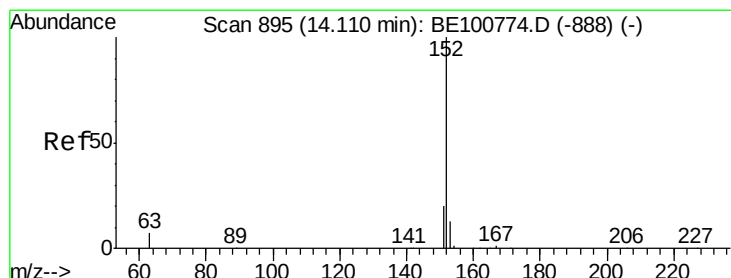
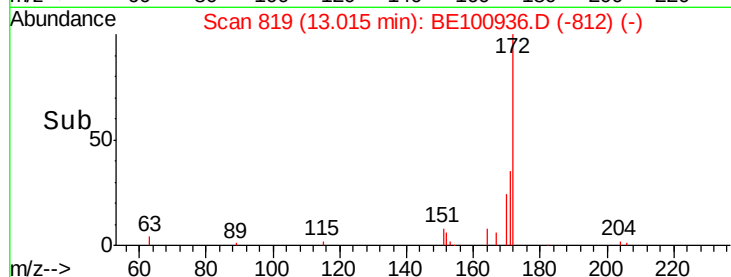
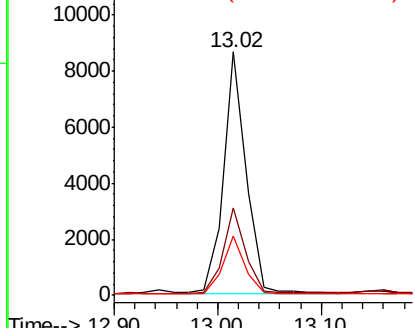
#15
2-Fluorobiphenyl
Concen: 0.125 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100936.D
Acq: 17 Dec 2019 2:15

Instrument :
BNA_E
ClientSampleId :
BE-216-COMP-S

Tot Ion:172 Resp: 12989
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 24.2 19.4 29.0

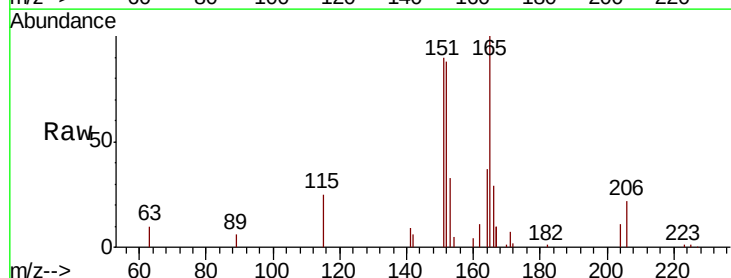


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

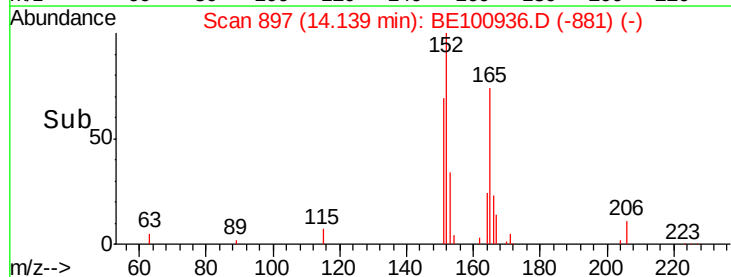
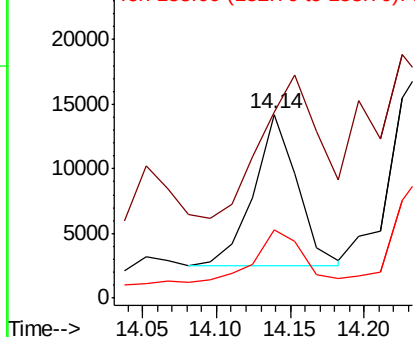


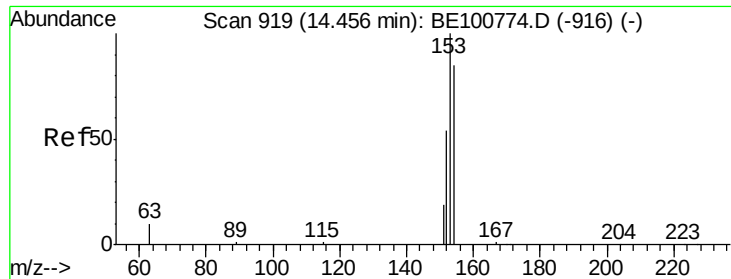
#16
Acenaphthylene
Concen: 0.225 ng
RT: 14.14 min Scan# 897
Delta R.T. 0.03 min
Lab File: BE100936.D
Acq: 17 Dec 2019 2:15

Tgt Ion:152 Resp: 24275
Ion Ratio Lower Upper
152 100
151 123.0 15.9 23.9#
153 49.6 10.5 15.7#



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

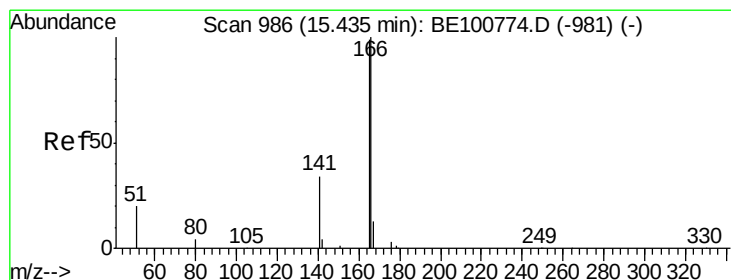
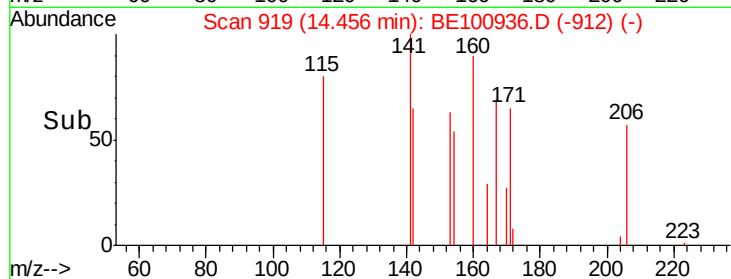
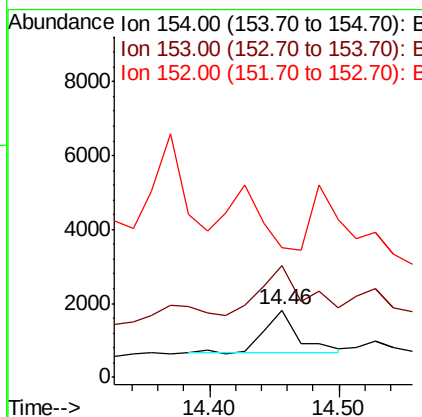
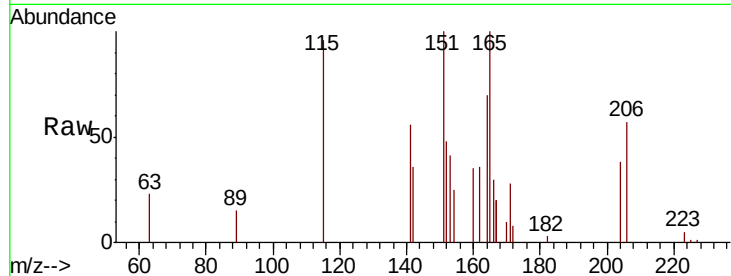




#17
Acenaphthene
Concen: 0.029 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100936.D
Acq: 17 Dec 2019 2:15

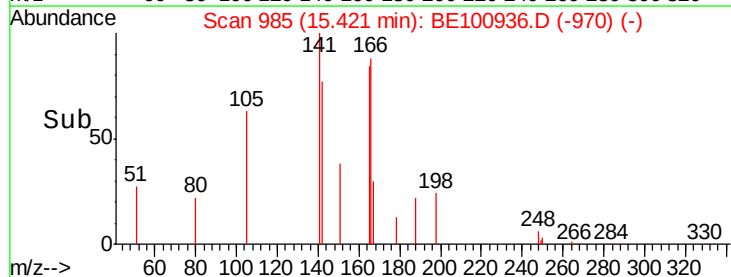
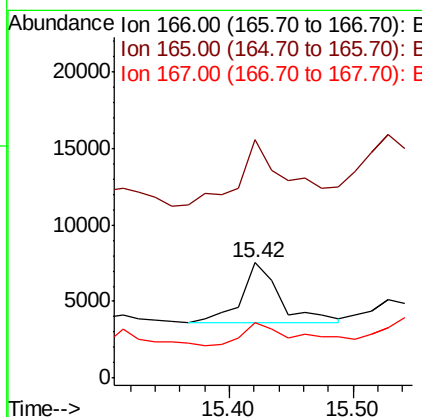
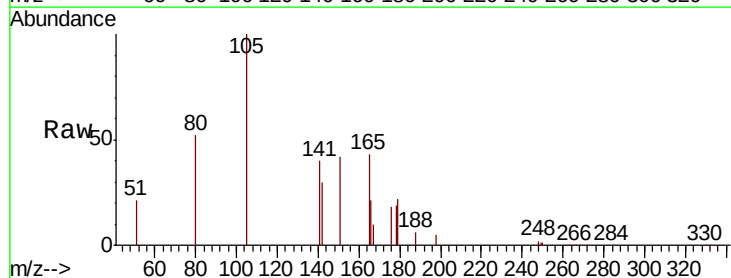
Instrument :
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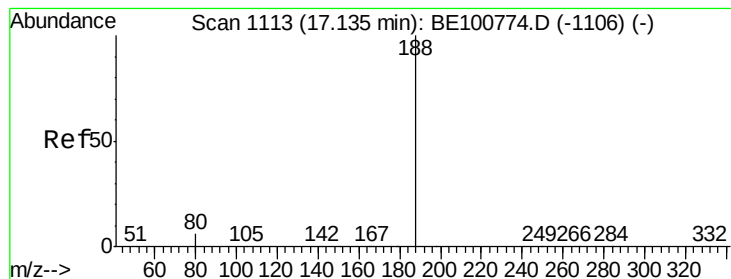
Tot Ion:154 Resp: 2192
Ion Ratio Lower Upper
154 100
153 143.1 91.5 137.3#
152 0.0 47.7 71.5#



#18
Fluorene
Concen: 0.086 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100936.D
Acq: 17 Dec 2019 2:15

Tgt Ion:166 Resp: 8295
Ion Ratio Lower Upper
166 100
165 135.5 80.2 120.4#
167 61.6 10.6 16.0#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

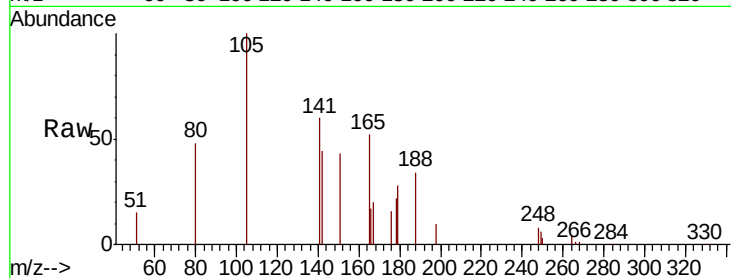
Tot Ion:188 Resp: 37950

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

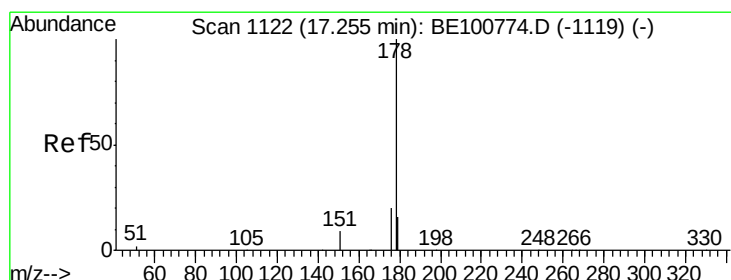
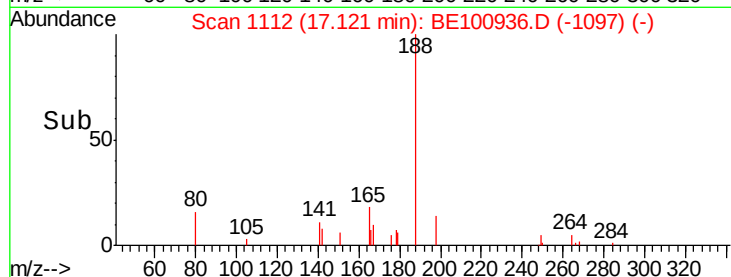
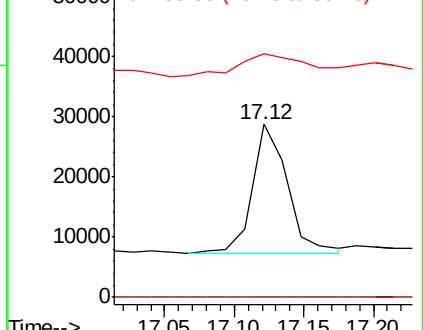
80 140.8 7.9 11.9#



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



#24

Anthracene

Concen: 0.103 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

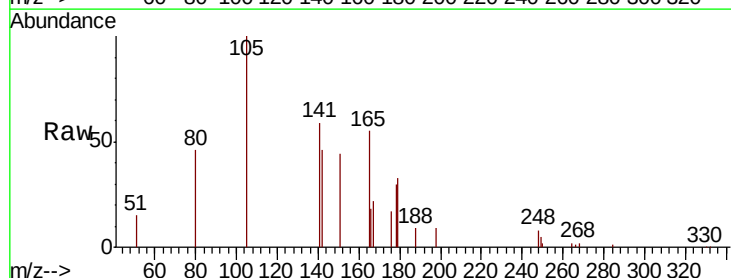
Tgt Ion:178 Resp: 9930

Ion Ratio Lower Upper

178 100

176 13.5 14.7 22.1#

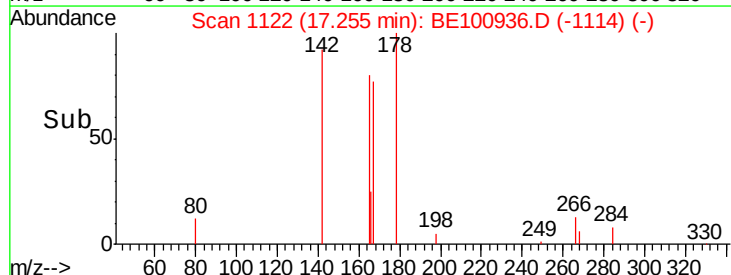
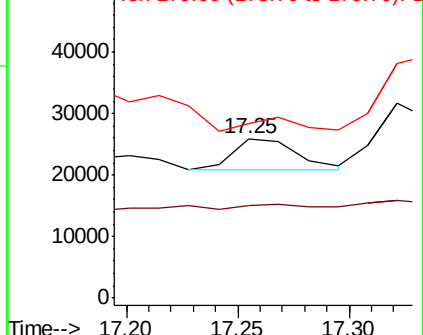
179 20.0 12.2 18.4#

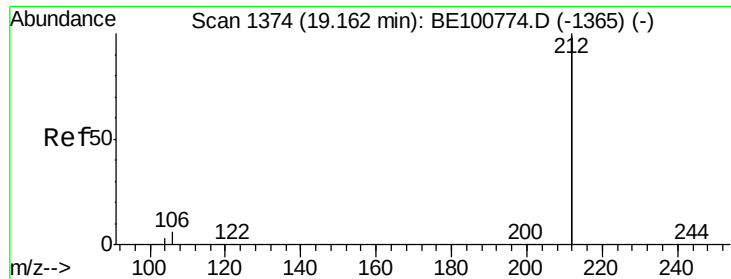


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.236 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

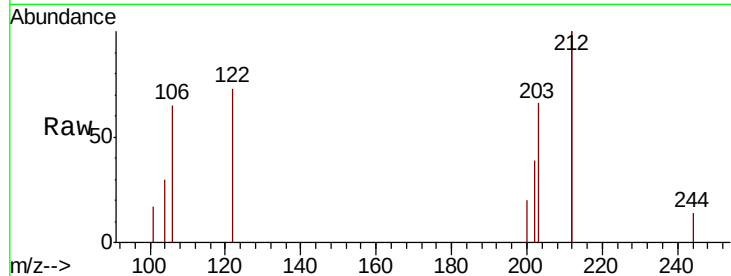
Tot Ion:212 Resp: 105948

Ion Ratio Lower Upper

212 100

106 5.8 2.6 4.0#

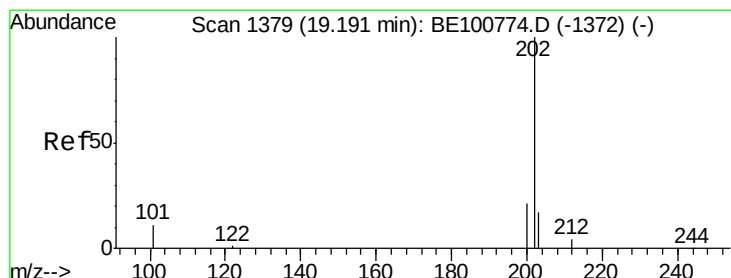
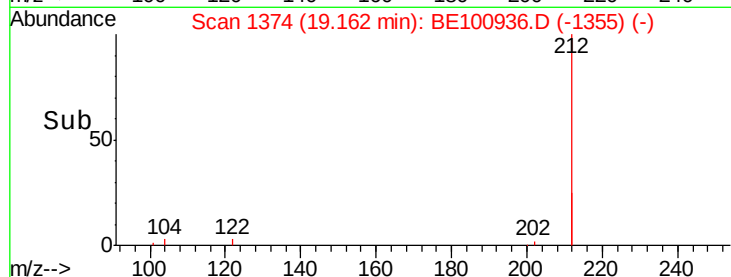
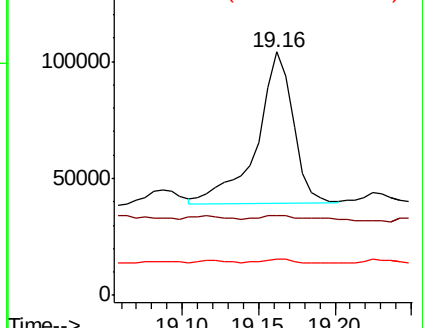
104 2.5 1.4 2.2#



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: 0.124 ng

RT: 19.20 min Scan# 1380

Delta R.T. 0.01 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

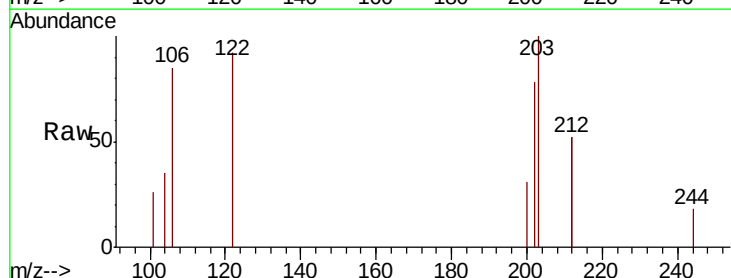
Tgt Ion:202 Resp: 17038

Ion Ratio Lower Upper

202 100

101 23.9 9.4 14.0#

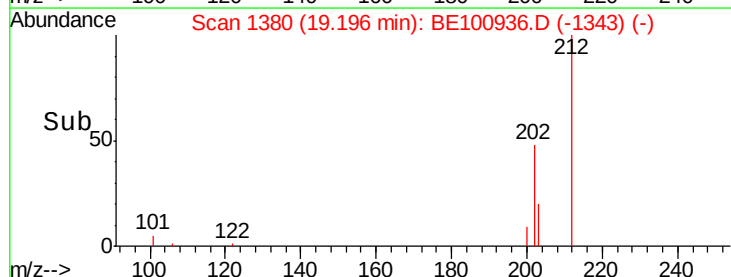
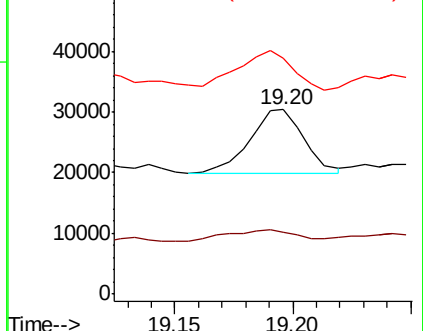
203 61.8 13.7 20.5#

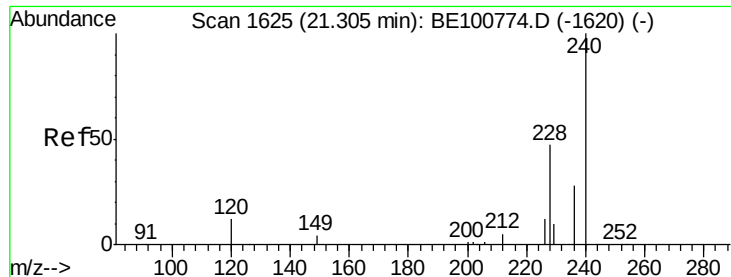


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

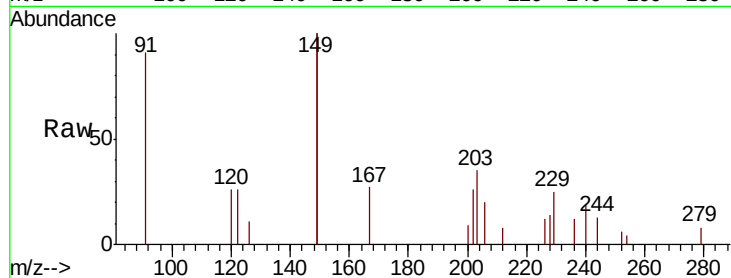
Tot Ion:240 Resp: 27604

Ion Ratio Lower Upper

240 100

120 131.8 4.0 6.0#

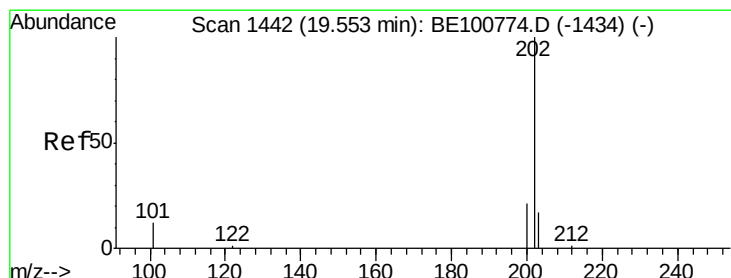
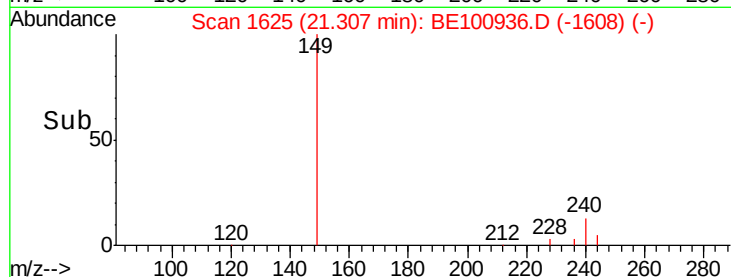
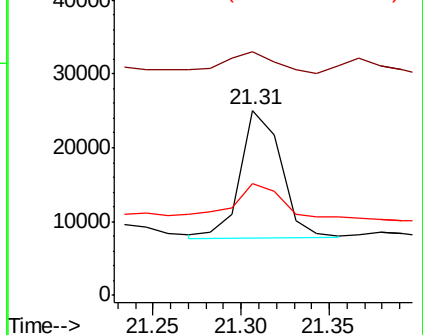
236 60.7 21.6 32.4#



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: 0.438 ng

RT: 19.55 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

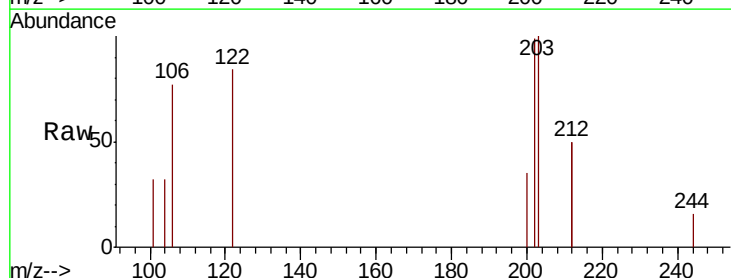
Tgt Ion:202 Resp: 39264

Ion Ratio Lower Upper

202 100

200 17.2 17.0 25.4

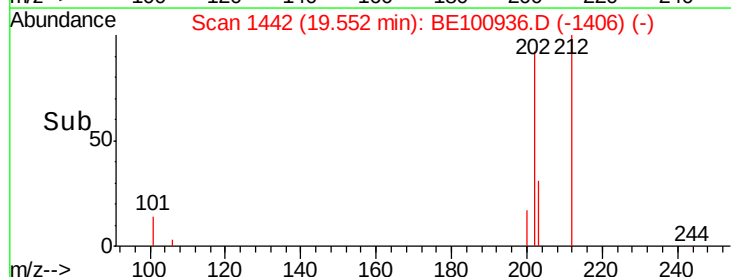
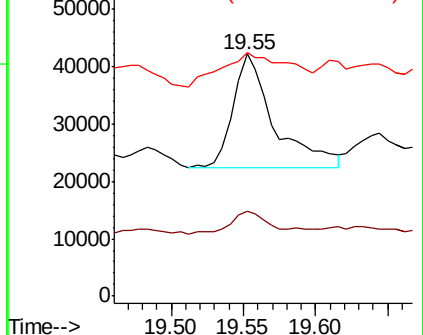
203 48.7 13.8 20.8#

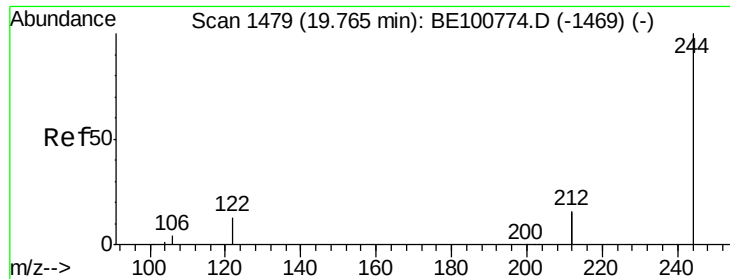


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.247 ng

RT: 19.76 min Scan# 1479

Delta R.T. 0.01 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

Instrument :

BNA_E

ClientSampleId :

BE-216-COMP-S

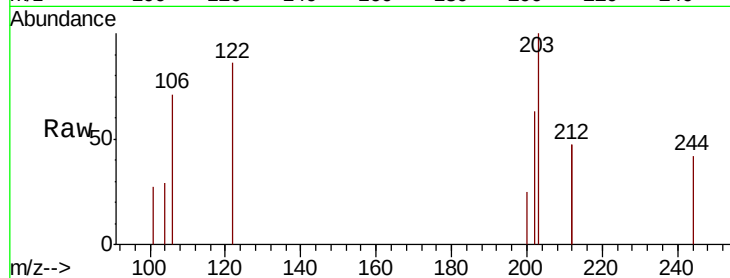
Tot Ion:244 Resp: 16361

Ion Ratio Lower Upper

244 100

212 222.5 25.2 37.8#

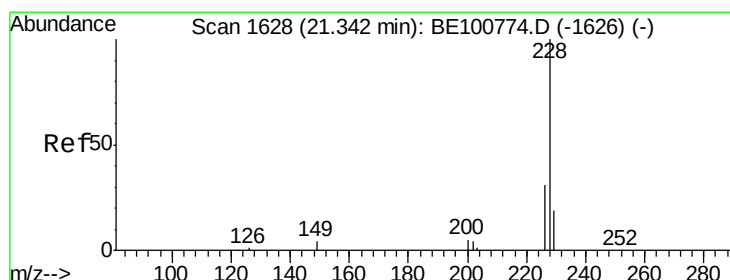
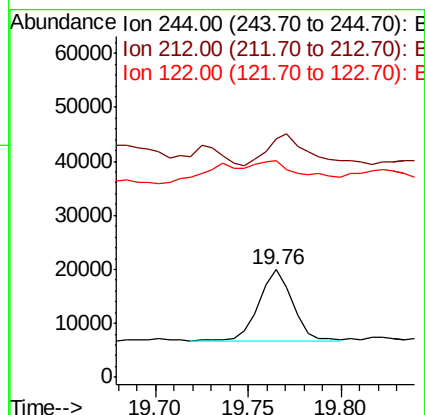
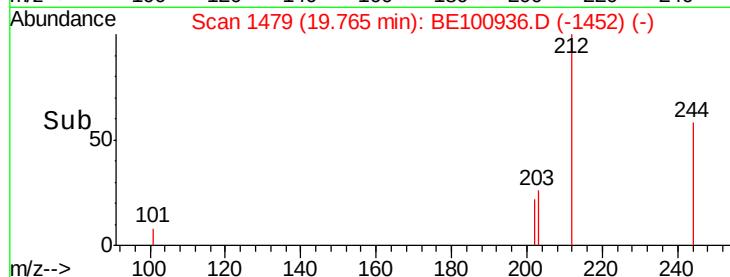
122 201.6 8.9 13.3#



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



#31

Chrysene

Concen: 0.466 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100936.D

Acq: 17 Dec 2019 2:15

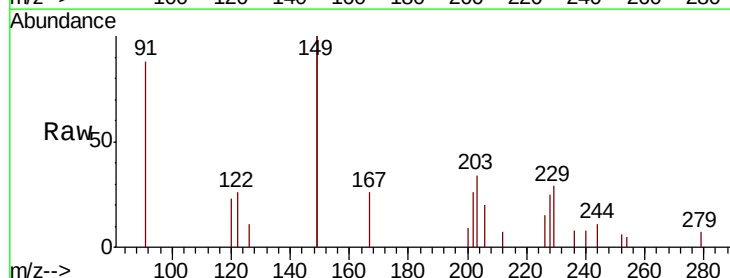
Tgt Ion:228 Resp: 44557

Ion Ratio Lower Upper

228 100

226 60.0 25.3 37.9#

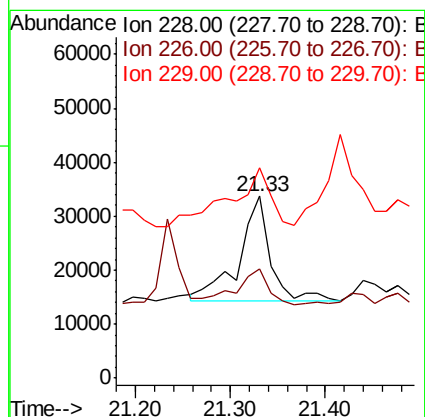
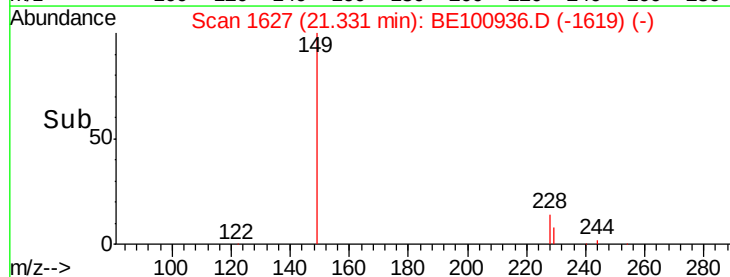
229 115.3 15.2 22.8#

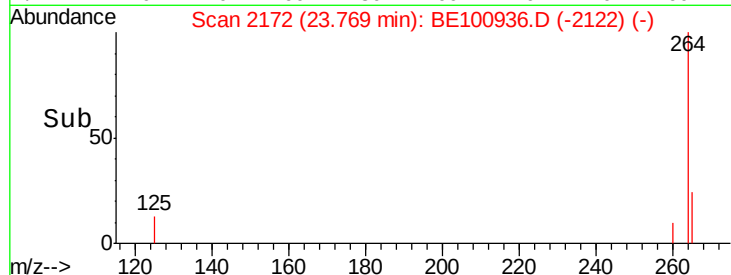
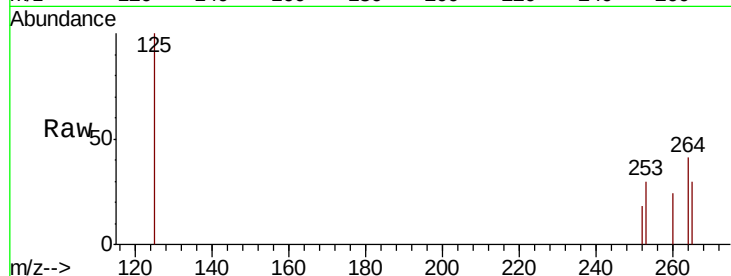
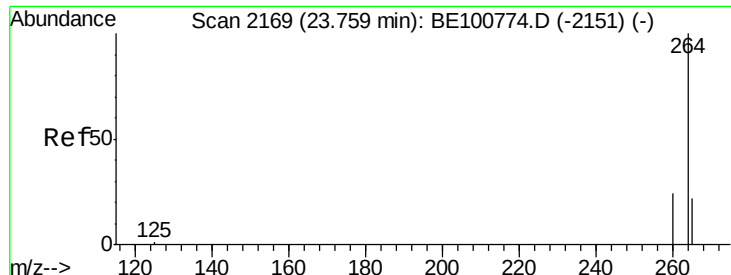


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.77 min Scan# 2172
Delta R.T. 0.03 min
Lab File: BE100936.D
Acq: 17 Dec 2019 2:15

Instrument :
BNA_E
ClientSampleId :
BE-216-COMP-S

Tot Ion: 264 Resp: 32607
Ion Ratio Lower Upper
264 100
260 58.6 19.4 29.0#
265 72.6 20.1 30.1#

