

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100931.D
 Acq On : 16 Dec 2019 23:10
 Operator : JU
 Sample : K6271-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BE-213-COMP-S

Quant Time: Dec 17 08:03:01 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	4164	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	18994	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	12483	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30699	0.40	ng	0.00
27) Chrysene-d12	21.29	240	27917	0.40	ng	-0.01
34) Perylene-d12	23.74	264	29908	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	2890	0.29	ng	-0.01
5) Phenol-d6	6.93	99	5965	0.40	ng	0.00
8) Nitrobenzene-d5	8.90	82	10763	1.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	5678	0.21	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	401	0.29	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	7692	0.16	ng	0.00
25) Fluoranthene-d10	19.15	212	60549	0.17	ng	0.00
29) Terphenyl-d14	19.75	244	10799	0.16	ng	0.00

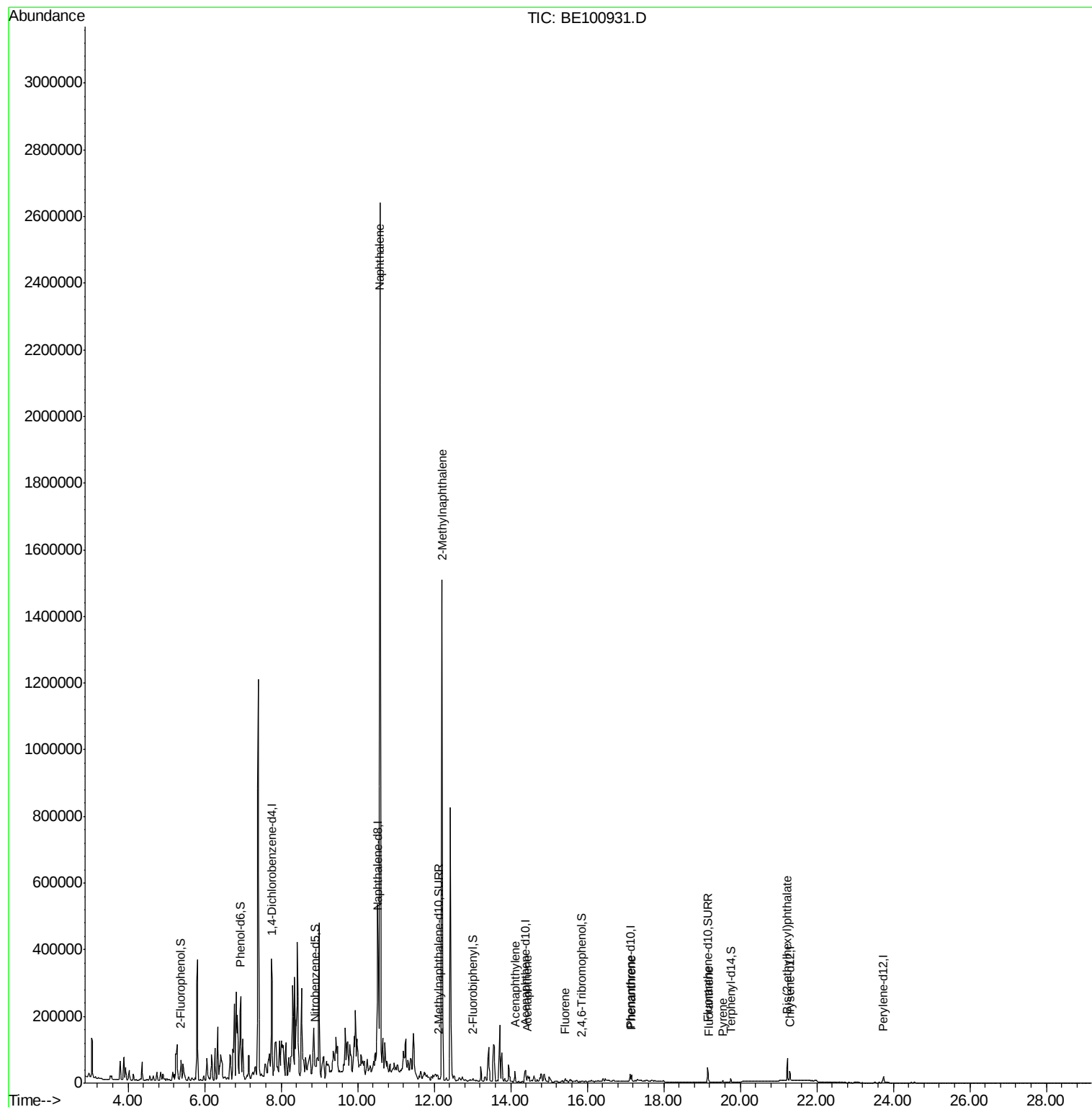
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.58	128	4310100	21.355	ng	100
12) 2-Methylnaphthalene	12.21	142	1183917	37.566	ng	100
16) Acenaphthylene	14.11	152	3312	0.064	ng	# 1
17) Acenaphthene	14.44	154	3329	0.094	ng	# 40
18) Fluorene	15.42	166	6693	0.146	ng	# 87
23) Phenanthrene	17.16	178	20713	0.223	ng	97
26) Fluoranthene	19.18	202	3698	0.033	ng	# 90
28) Pyrene	19.54	202	6307	0.070	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.23	149	77664	1.178	ng	99

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

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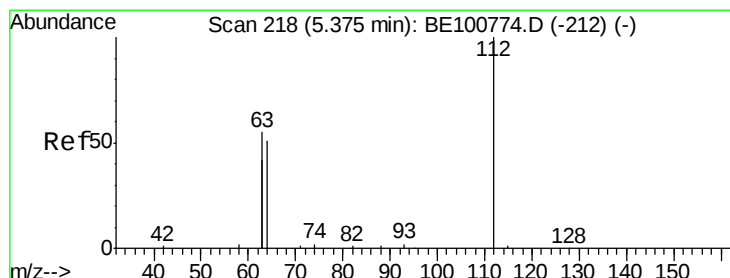
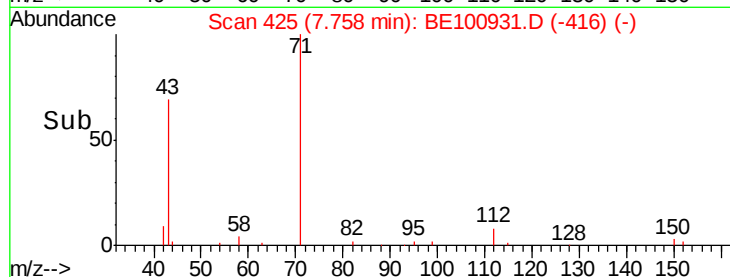
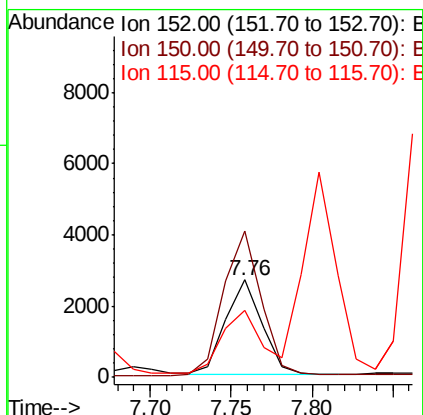
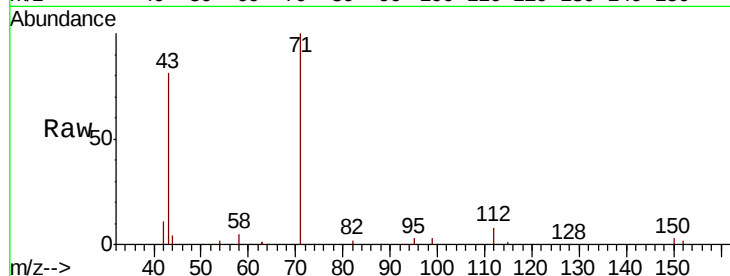


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampleId :
BE-213-COMP-S

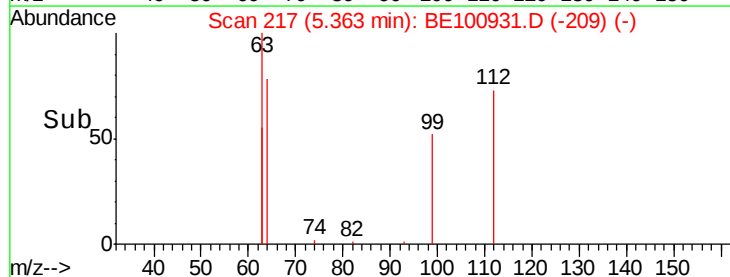
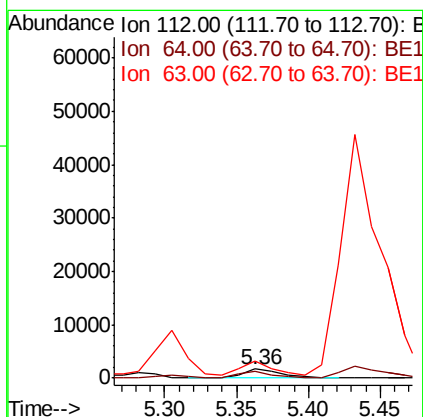
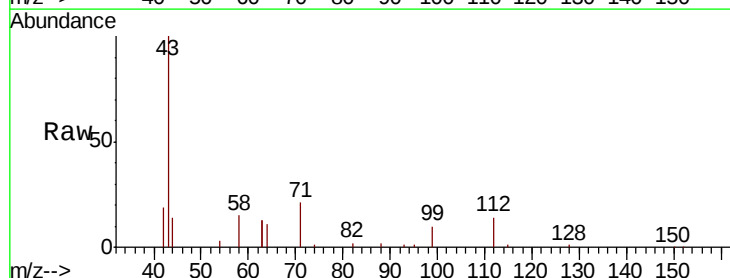
Tot Ion:152 Resp: 4164
Ion Ratio Lower Upper
152 100
150 150.5 125.5 188.3
115 69.3 55.7 83.5

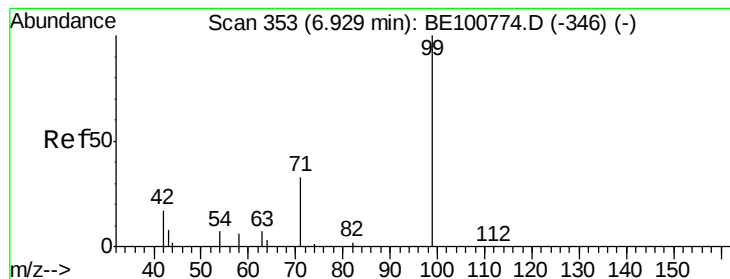


#4

2-Fluorophenol
Concen: 0.292 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:112 Resp: 2890
Ion Ratio Lower Upper
112 100
64 61.6 54.5 81.7
63 129.2 116.1 174.1





#5

Phenol-d6

Concen: 0.400 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

BE-213-COMP-S

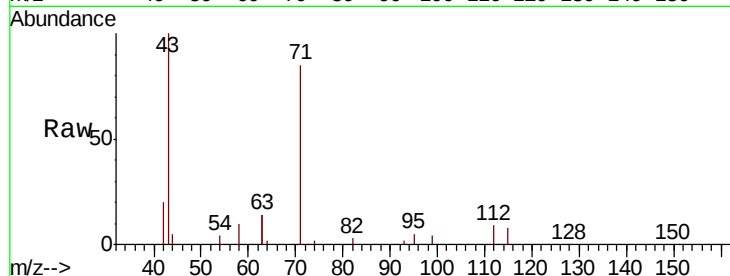
Tot Ion: 99 Resp: 5965

Ion Ratio Lower Upper

99 100

42 423.4 18.2 27.2#

71 2578.9 29.1 43.7#

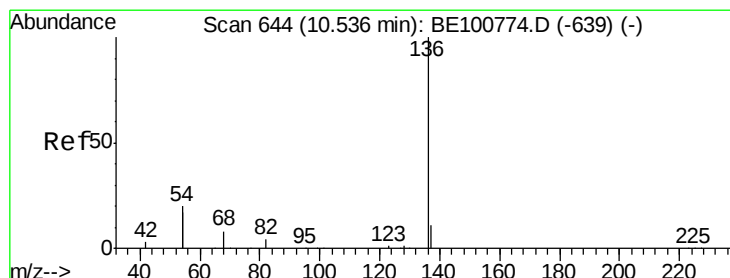
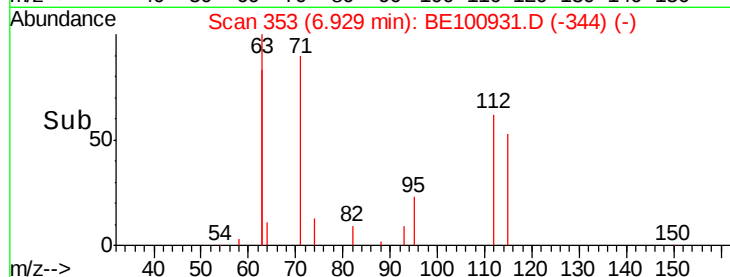
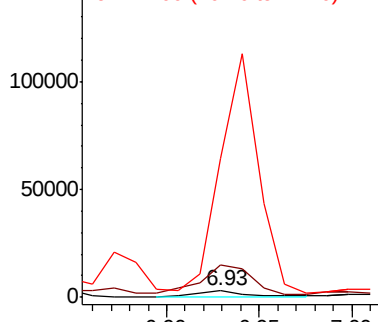


Abundance

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: BE100931.D

Acq: 16 Dec 2019 23:10

Tgt Ion: 136 Resp: 18994

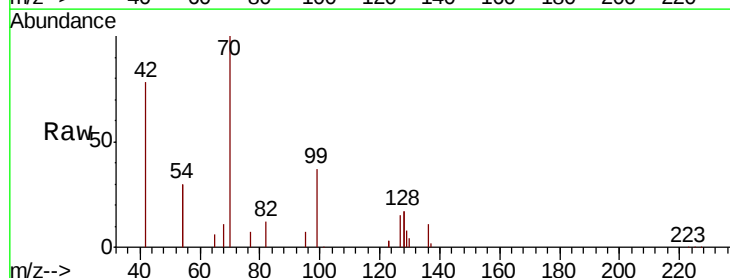
Ion Ratio Lower Upper

136 100

137 18.4 9.1 13.7#

54 563.3 18.9 28.3#

68 108.6 4.6 6.8#



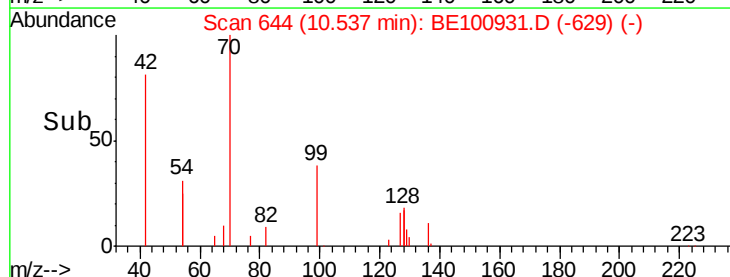
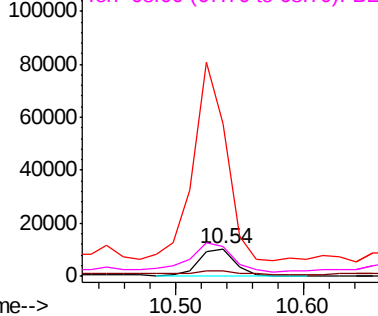
Abundance

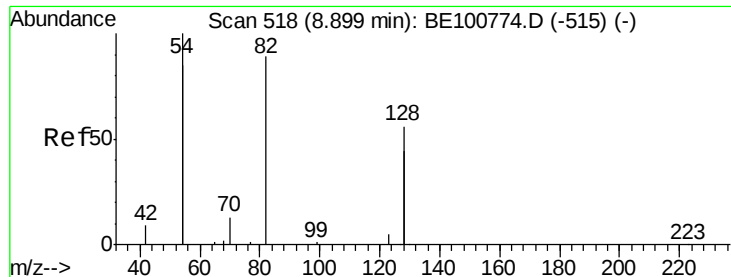
Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1

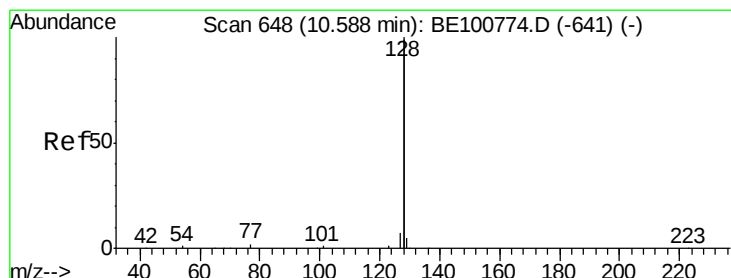
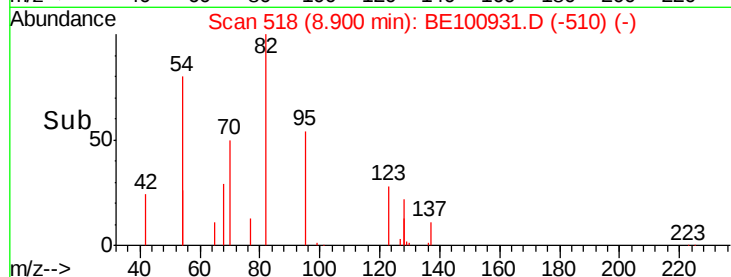
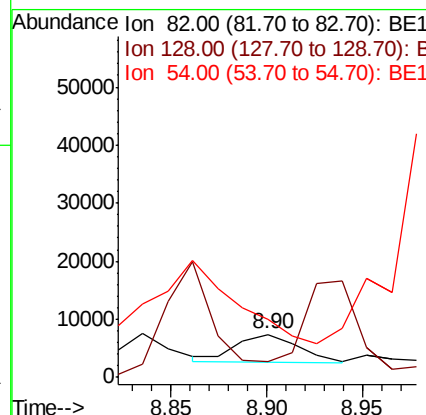
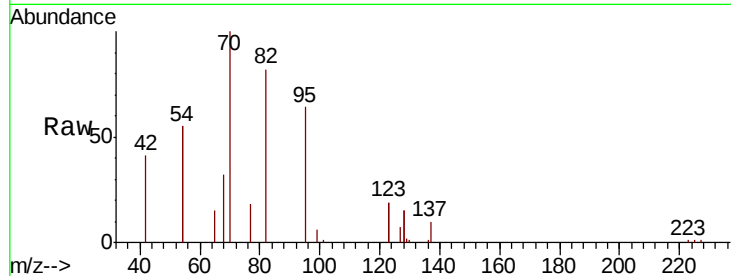




#8
 Nitrobenzene-d5
 Concen: 1.190 ng
 RT: 8.90 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

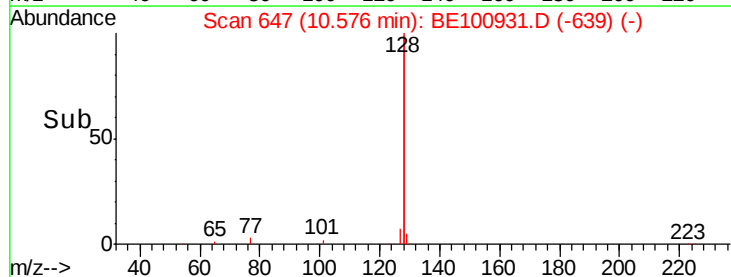
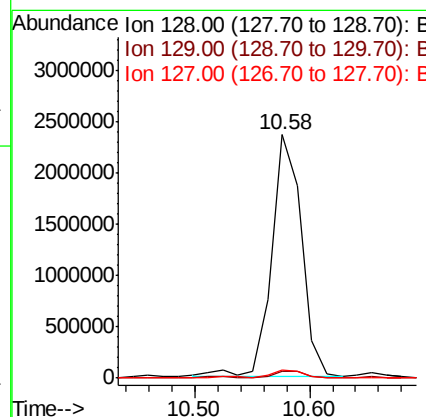
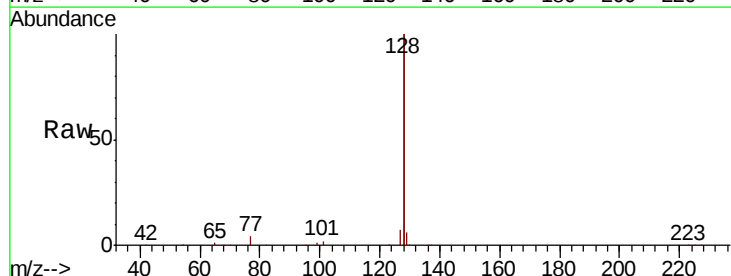
Instrument :
 BNA_E
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 BE-213-COMP-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	113.5	170.3#
54	134.8	138.9	208.3#



#9
 Naphthalene
 Concen: 21.355 ng
 RT: 10.58 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.5	2.8	4.2





#11

2-Methylnaphthalene-d10

Concen: 0.206 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

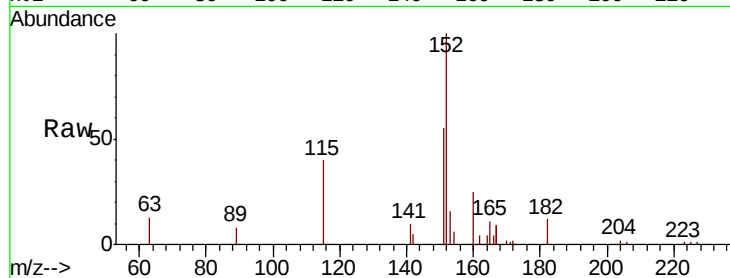
BE-213-COMP-S

Tot Ion:152 Resp: 5678

Ion Ratio Lower Upper

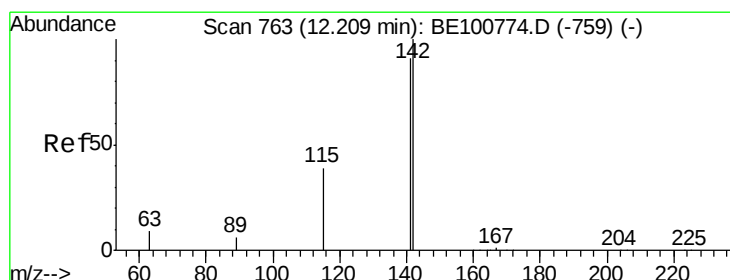
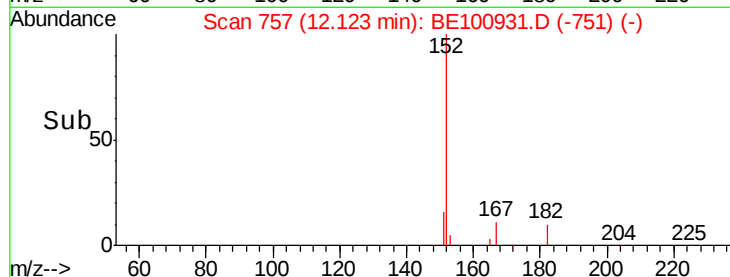
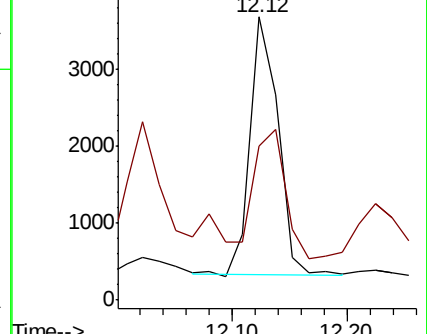
152 100

151 54.9 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: 37.566 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

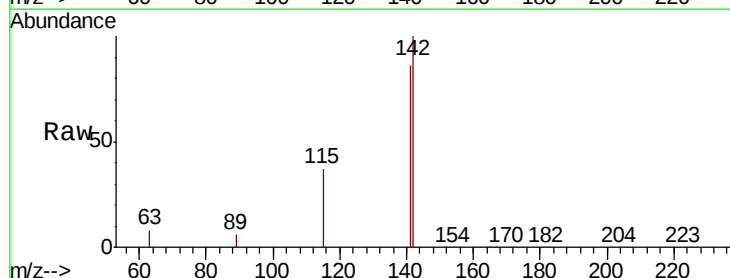
Tgt Ion:142 Resp: 1183917

Ion Ratio Lower Upper

142 100

141 86.4 68.9 103.3

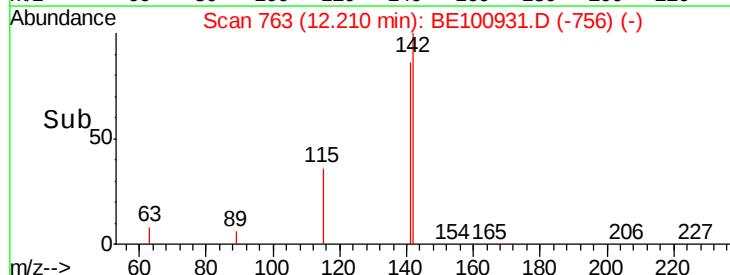
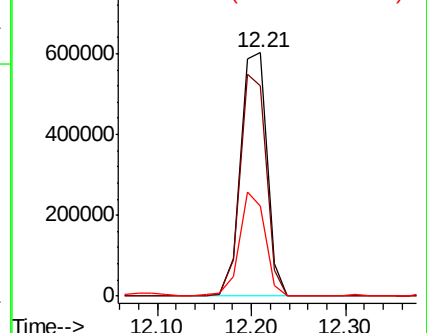
115 36.9 29.5 44.3

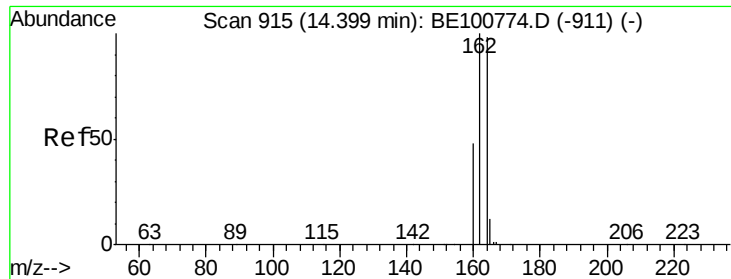


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

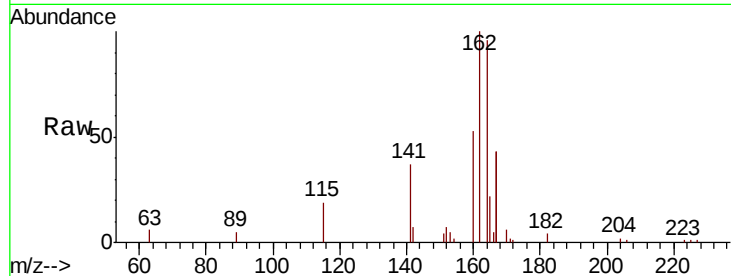




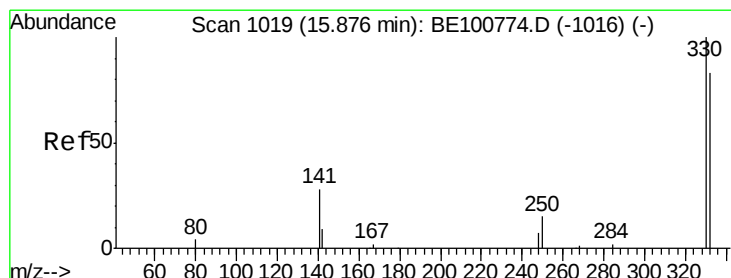
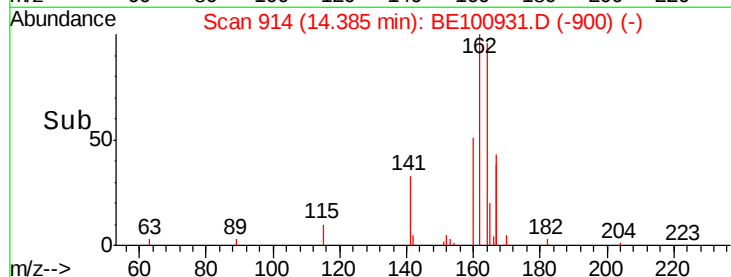
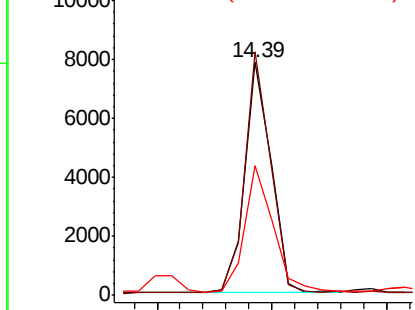
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampleId :
BE-213-COMP-S

Tot Ion:164 Resp: 12483
Ion Ratio Lower Upper
164 100
162 104.5 86.0 129.0
160 55.5 42.3 63.5

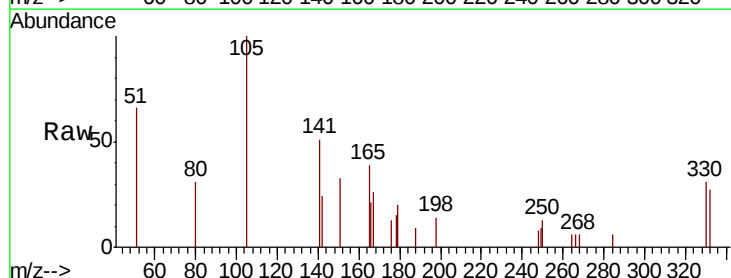


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

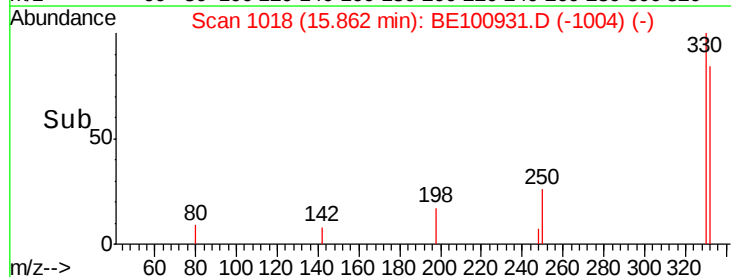
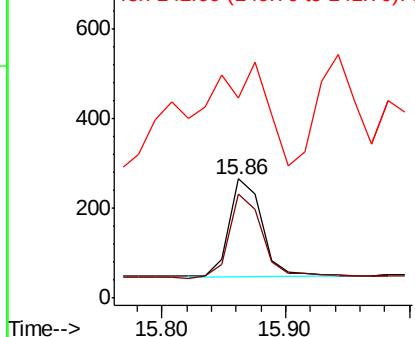


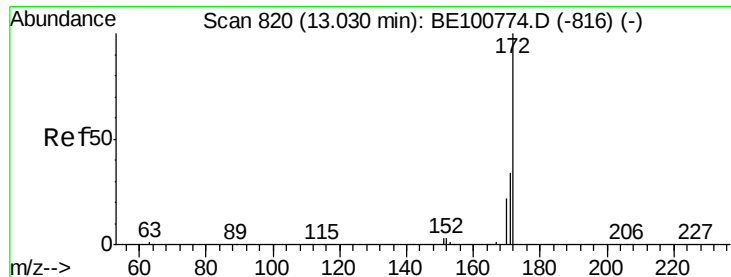
#14
2,4,6-Tribromophenol
Concen: 0.289 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:330 Resp: 401
Ion Ratio Lower Upper
330 100
332 92.5 74.1 111.1
141 244.9 46.7 70.1#



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

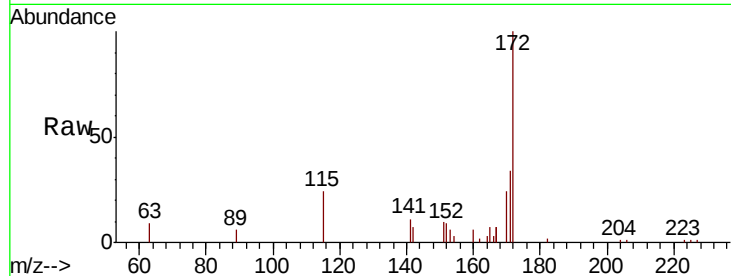




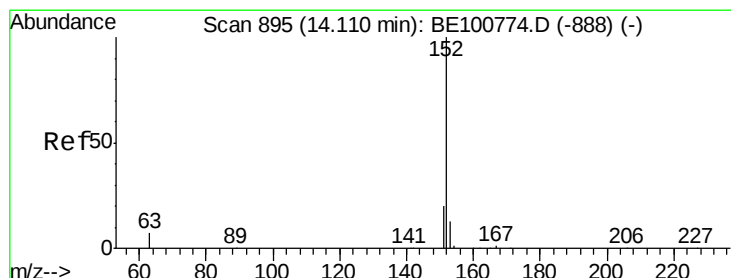
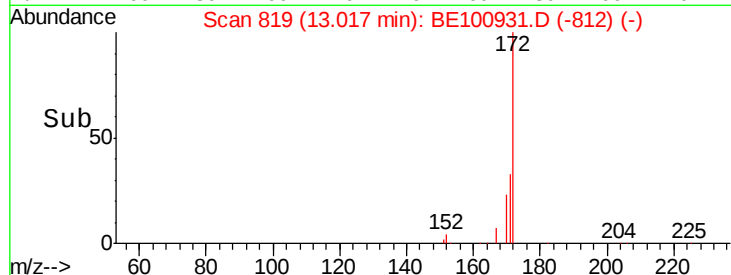
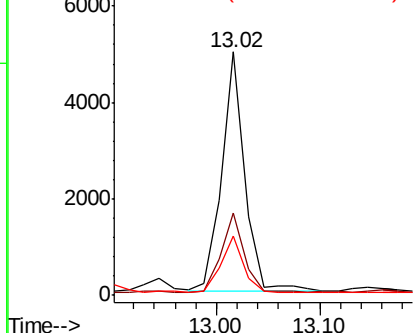
#15
2-Fluorobiphenyl
Concen: 0.155 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampleId :
BE-213-COMP-S

Tot Ion:172 Resp: 7692
Ion Ratio Lower Upper
172 100
171 33.8 28.2 42.4
170 24.5 19.4 29.0

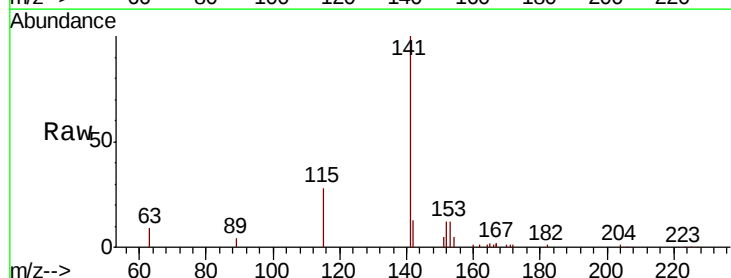


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

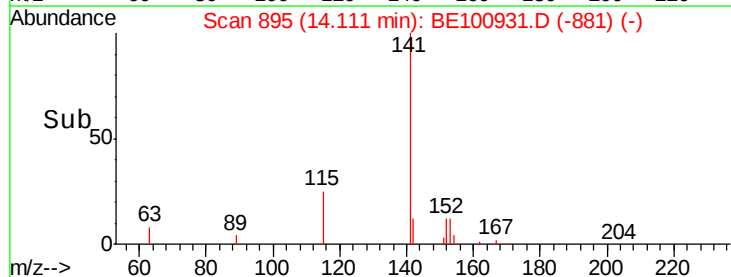
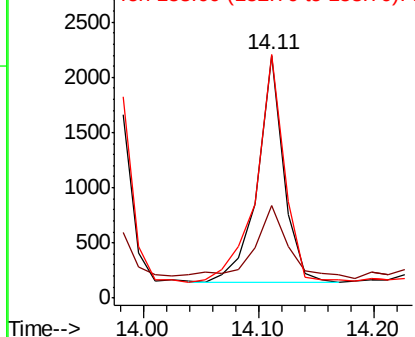


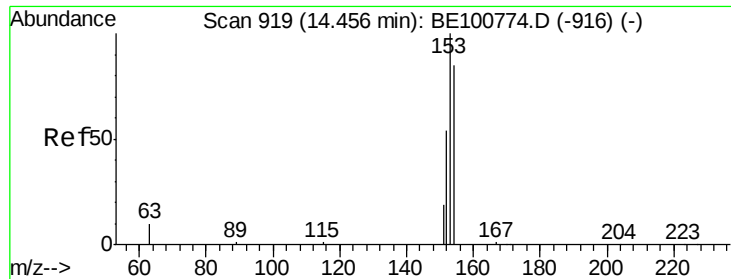
#16
Acenaphthylene
Concen: 0.064 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:152 Resp: 3312
Ion Ratio Lower Upper
152 100
151 40.9 15.9 23.9#
153 107.0 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

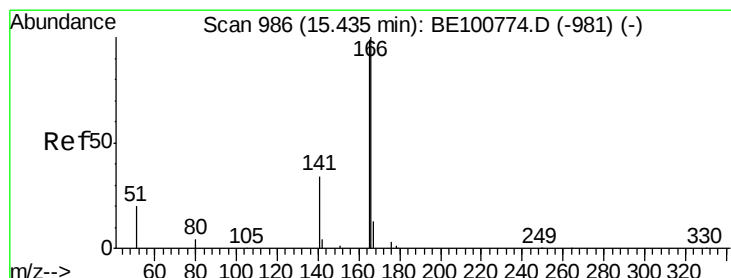
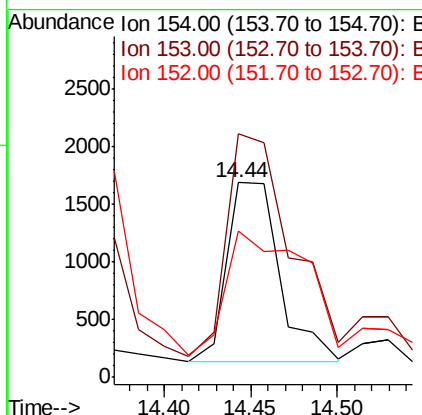
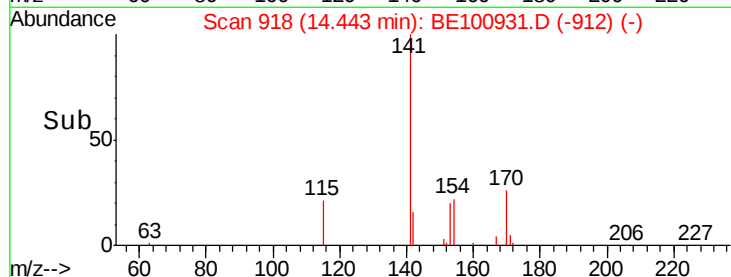
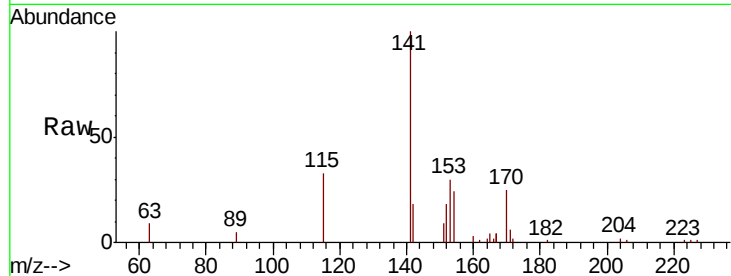




#17
Acenaphthene
Concen: 0.094 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.01 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

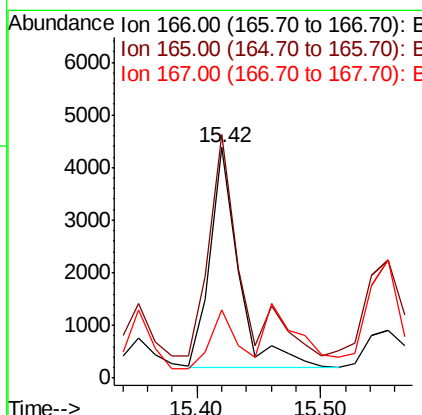
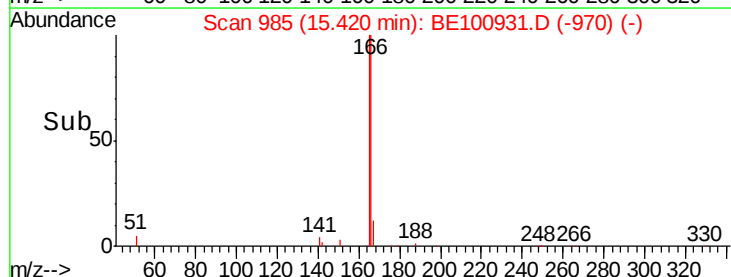
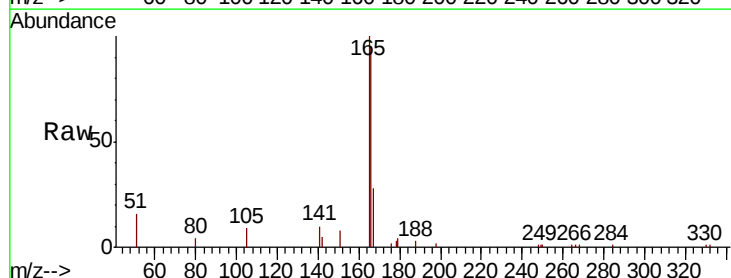
Instrument :
BNA_E
ClientSampleId :
BE-213-COMP-S

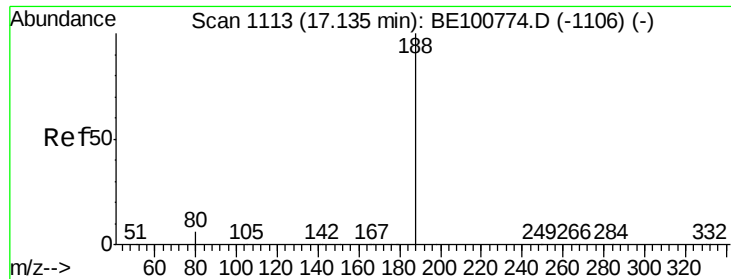
Tot Ion:154 Resp: 3329
Ion Ratio Lower Upper
154 100
153 170.0 91.5 137.3#
152 117.5 47.7 71.5#



#18
Fluorene
Concen: 0.146 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:166 Resp: 6693
Ion Ratio Lower Upper
166 100
165 111.3 80.2 120.4
167 25.3 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: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

BE-213-COMP-S

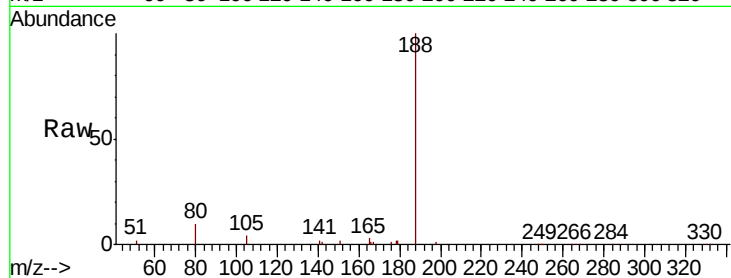
Tot Ion:188 Resp: 30699

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

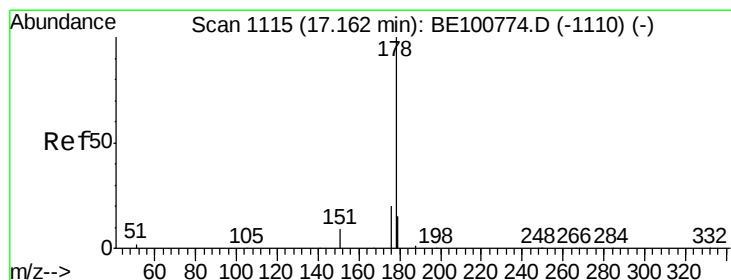
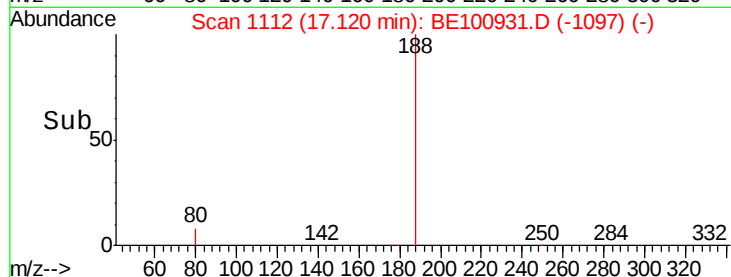
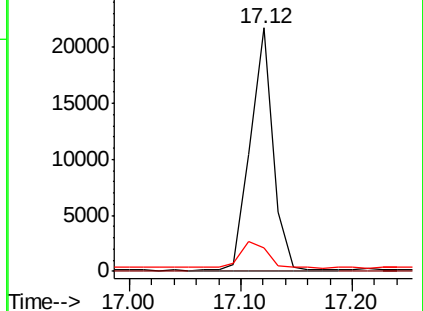
80 9.6 7.9 11.9



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



#23

Phenanthrene

Concen: 0.223 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

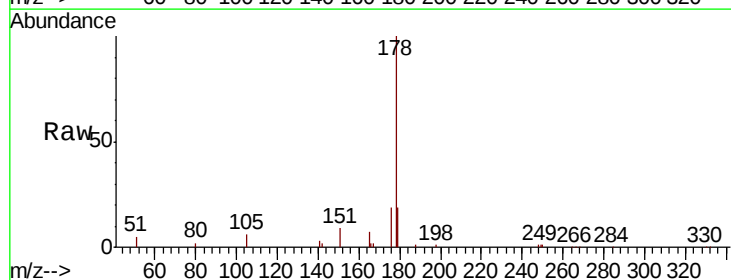
Tgt Ion:178 Resp: 20713

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

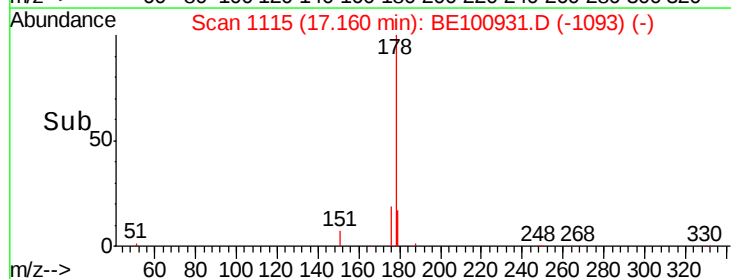
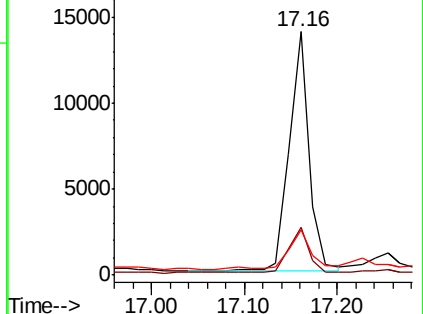
179 17.2 11.9 17.9

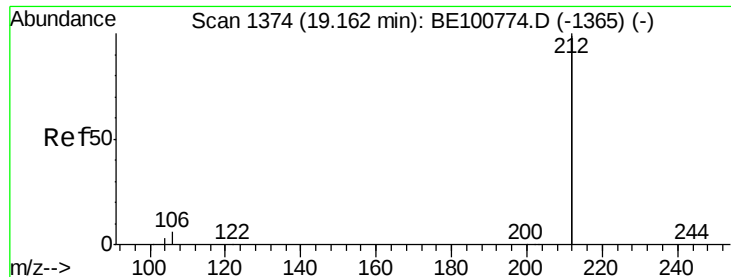


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.167 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

BE-213-COMP-S

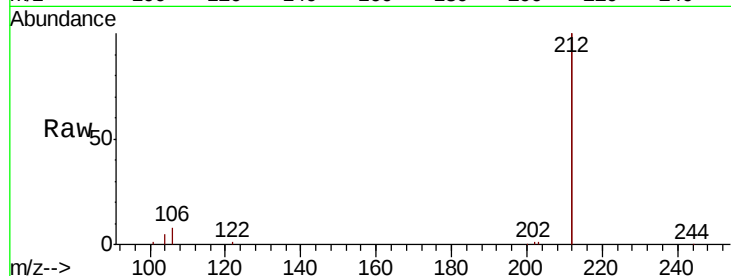
Tot Ion:212 Resp: 60549

Ion Ratio Lower Upper

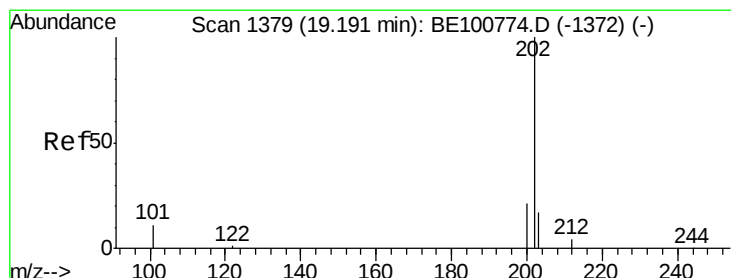
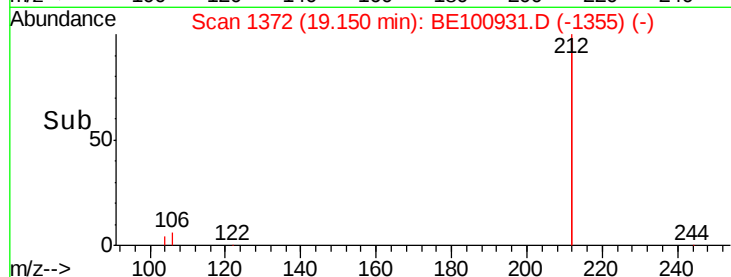
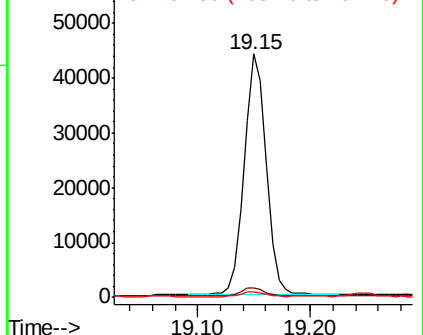
212 100

106 3.6 2.6 4.0

104 1.9 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: 0.033 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

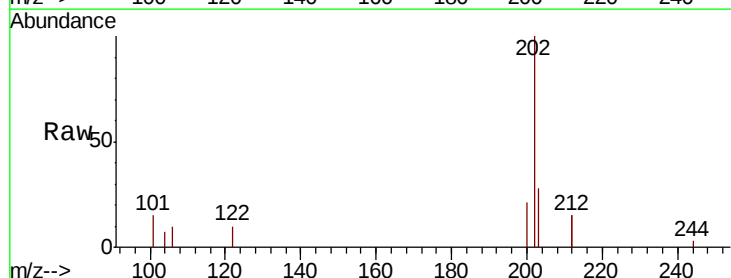
Tgt Ion:202 Resp: 3698

Ion Ratio Lower Upper

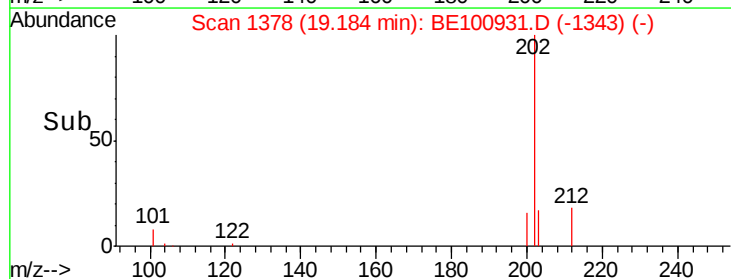
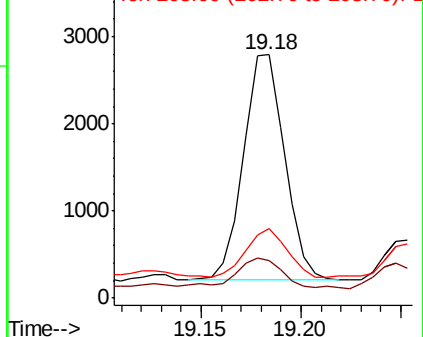
202 100

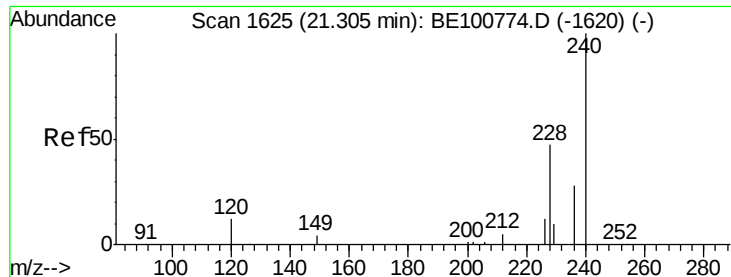
101 15.7 9.4 14.0#

203 21.0 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: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

BE-213-COMP-S

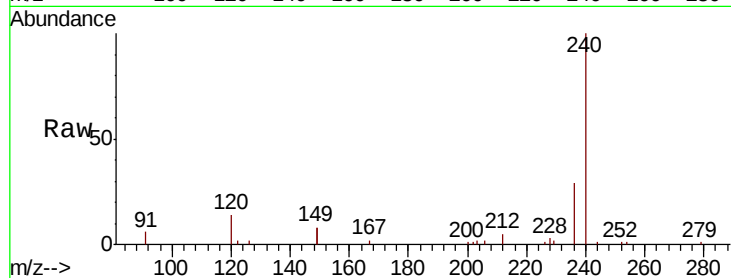
Tot Ion:240 Resp: 27917

Ion Ratio Lower Upper

240 100

120 14.1 4.0 6.0#

236 29.3 21.6 32.4

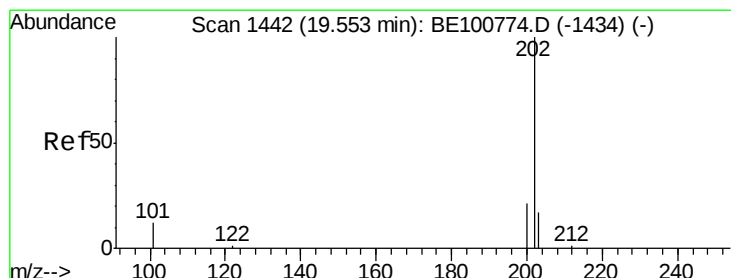
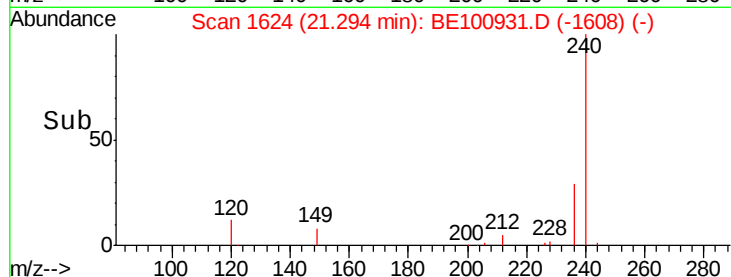
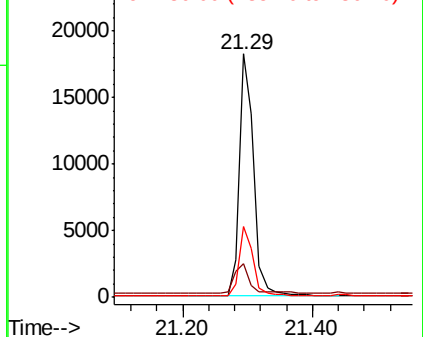


Abundance

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: 0.070 ng

RT: 19.54 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

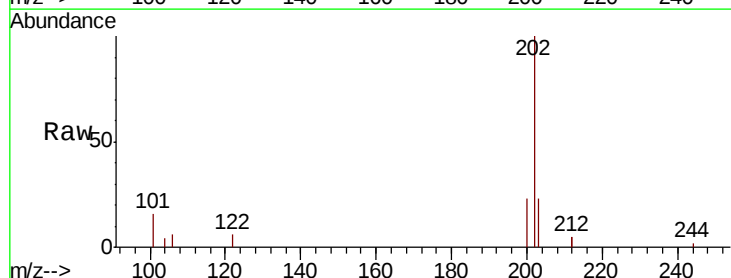
Tgt Ion:202 Resp: 6307

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 23.8 13.8 20.8#

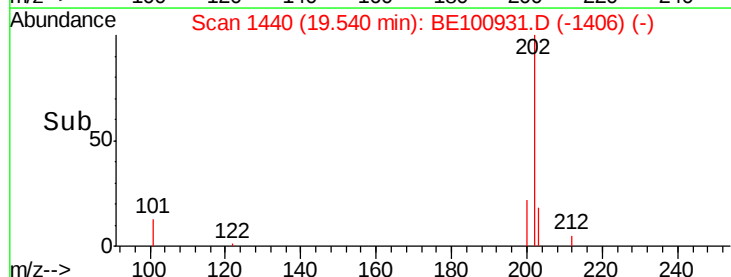
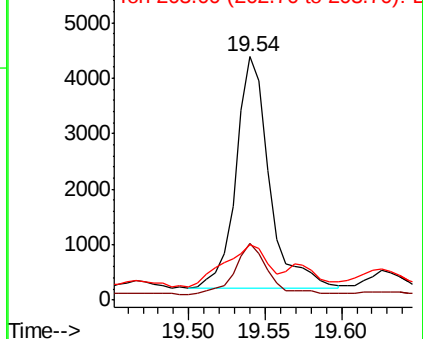


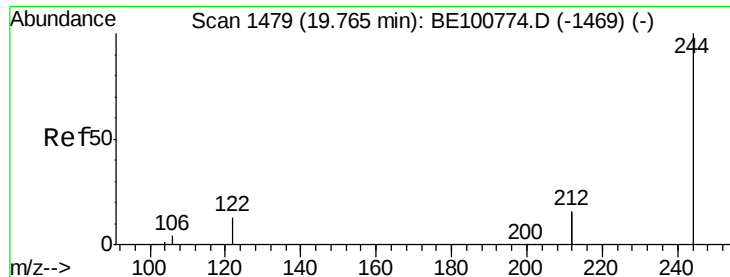
Abundance

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: 0.161 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

BE-213-COMP-S

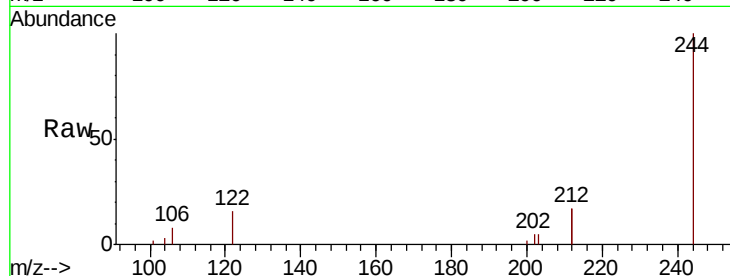
Tot Ion:244 Resp: 10799

Ion Ratio Lower Upper

244 100

212 34.8 25.2 37.8

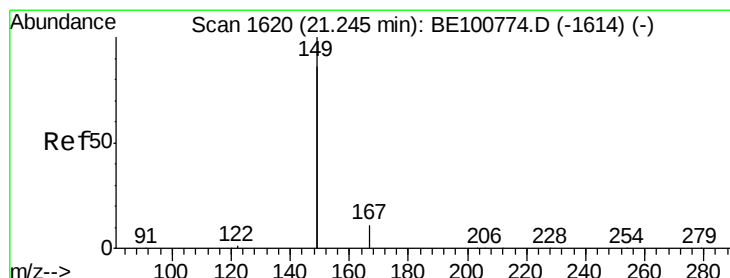
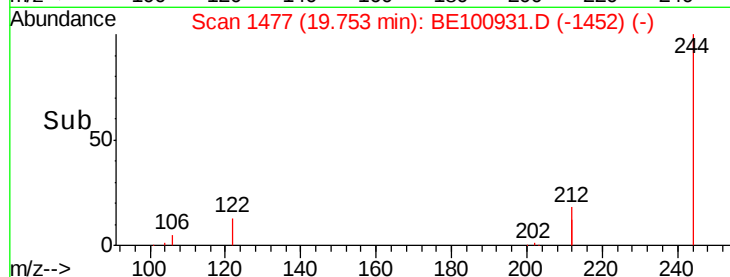
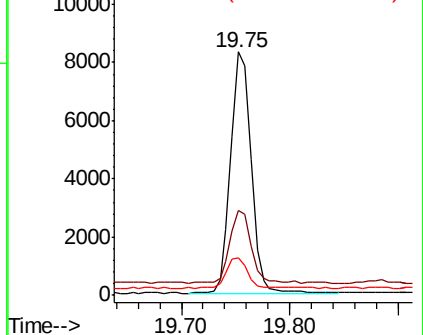
122 15.6 8.9 13.3#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.178 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

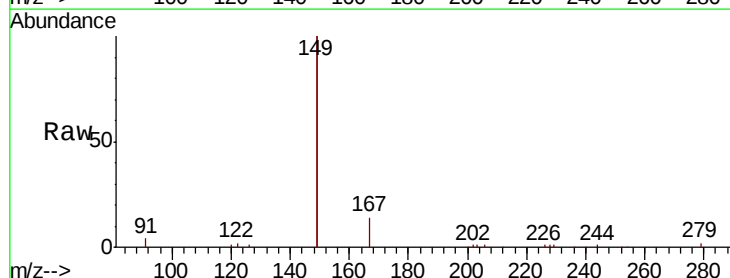
Tgt Ion:149 Resp: 77664

Ion Ratio Lower Upper

149 100

167 6.5 5.0 7.4

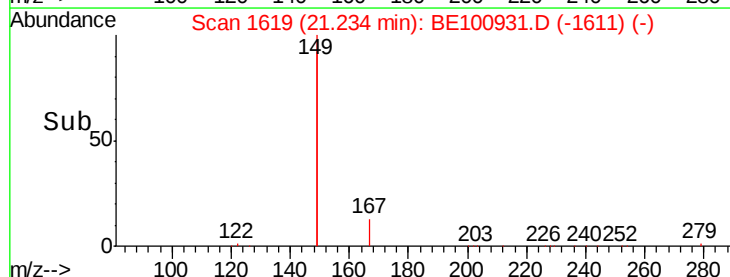
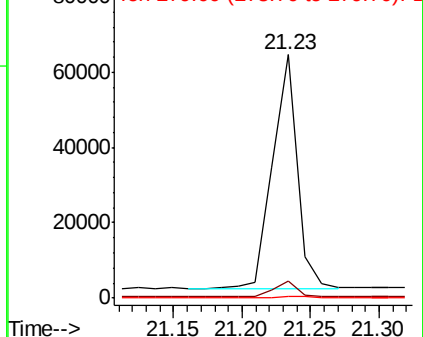
279 0.8 0.6 1.0

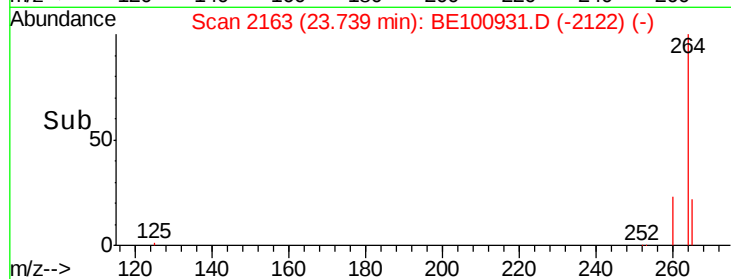
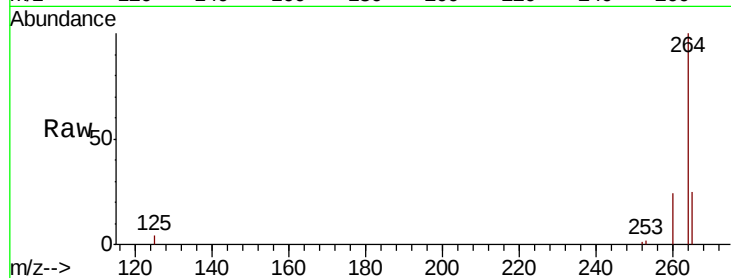
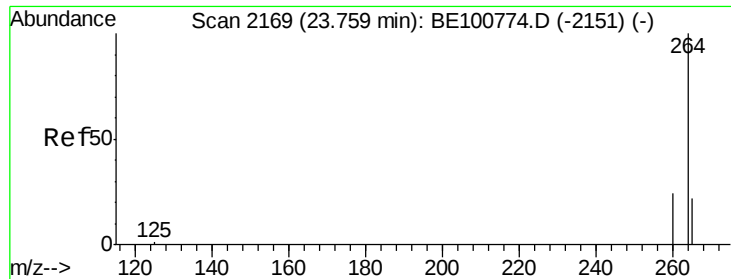


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

BE-213-COMP-S

Tot Ion: 264 Resp: 29908

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

265 25.1 20.1 30.1

