

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100361.D
 Acq On : 4 Jul 2019 11:38
 Operator : JU/SJ
 Sample : K3561-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519

Quant Time: Jul 05 01:14:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3	0.40	ng	-0.02
7) Naphthalene-d8	10.39	136	2	0.40	ng	-0.05
13) Acenaphthene-d10	14.21	164	38	0.40	ng	-0.10
19) Phenanthrene-d10	16.99	188	48	0.40	ng	-0.07
27) Chrysene-d12	21.11	240	893	0.40	ng	-0.13
34) Perylene-d12	23.50	264	52	0.40	ng	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	429	56.07	ng	0.00
5) Phenol-d6	6.82	99	518	51.47	ng	-0.01
8) Nitrobenzene-d5	8.81	82	535	269.23	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1068	283.93	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	341	12.83	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1639	11.07	ng	-0.01
25) Fluoranthene-d10	19.05	212	7116	10.21	ng	-0.05
29) Terphenyl-d14	19.55	244	123	0.07	ng	-0.15

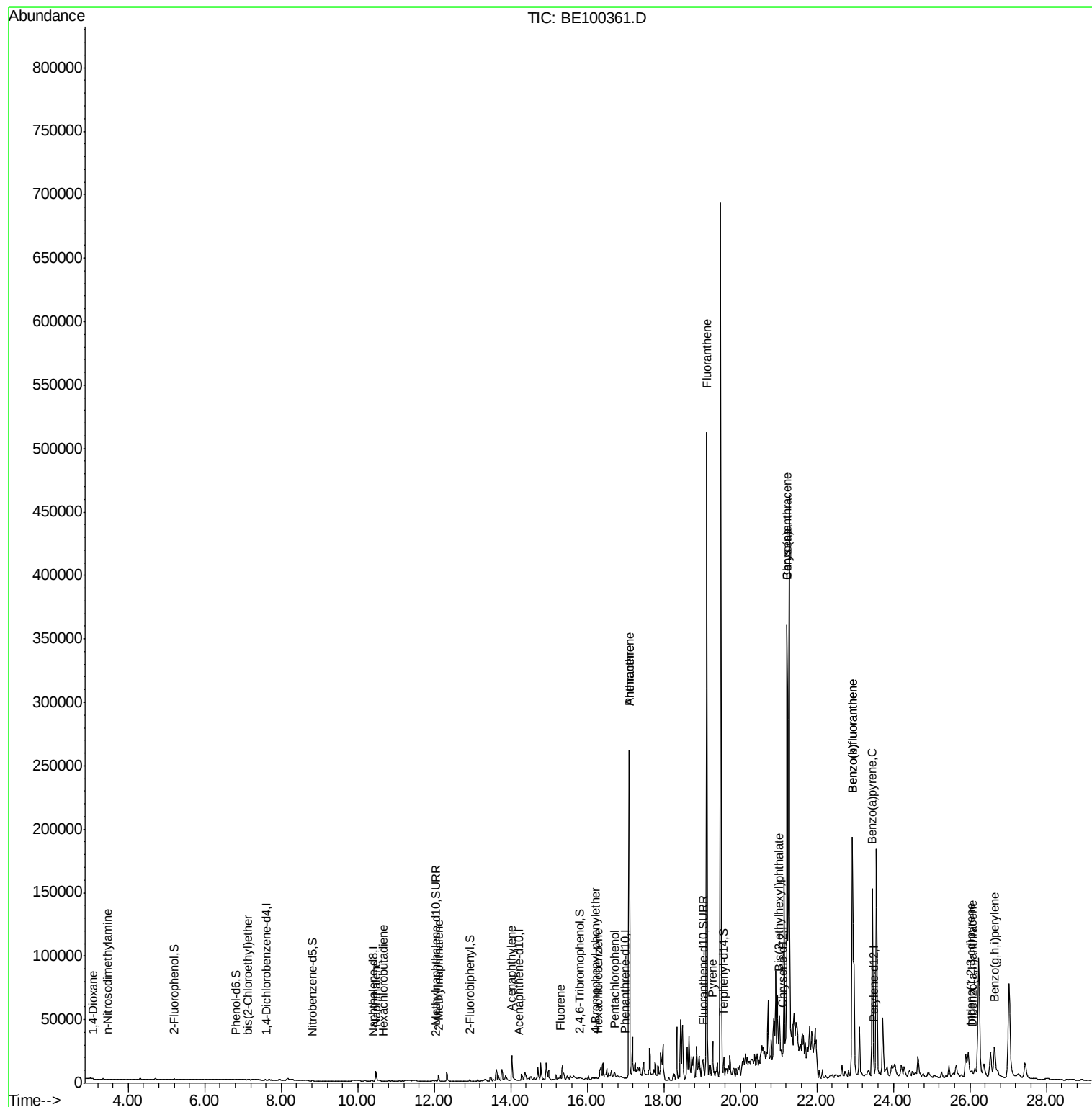
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.07	88	32	6.874	ng	# 32
3) n-Nitrosodimethylamine	3.47	42	30	13.829	ng	# 1
6) bis(2-Chloroethyl)ether	7.12	93	3	0.363	ng	# 1
9) Naphthalene	10.47	128	15443	700.136	ng	99
10) Hexachlorobutadiene	10.68	225	6	2.824	ng	# 20
12) 2-Methylnaphthalene	12.11	142	3341	863.136	ng	99
16) Acenaphthylene	14.02	152	25967	142.397	ng	98
18) Fluorene	15.30	166	2790	18.258	ng	# 65
20) 4-Bromophenyl-phenylether	16.22	248	51	1.665	ng	# 1
21) Hexachlorobenzene	16.29	284	7	0.220	ng	# 1
22) Pentachlorophenol	16.72	266	180	18.805	ng	91
23) Phenanthrene	17.09	178	256009	2200.570	ng	99
24) Anthracene	17.09	178	248579	2372.737	ng	99
26) Fluoranthene	19.13	202	473527	2555.388	ng	98
28) Pyrene	19.28	202	24208	10.239	ng	96
30) Benzo(a)anthracene	21.22	228	304454	103.690	ng	96
31) Chrysene	21.22	228	332964	112.931	ng	98
32) Bis(2-ethylhexyl)phthalate	21.02	149	8237	1.927	ng	# 82
33) Indeno(1,2,3-cd)pyrene	26.03	276	6240	1.600	ng	# 93
35) Benzo(b)fluoranthene	22.93	252	293534	2082.039	ng	# 95
36) Benzo(k)fluoranthene	22.93	252	363018	2306.760	ng	# 98
37) Benzo(a)pyrene	23.45	252	224585	1589.425	ng	# 94
38) Dibenzo(a,h)anthracene	26.07	278	914	6.194	ng	# 27
39) Benzo(g,h,i)perylene	26.64	276	13811	91.101	ng	# 58

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 413

Delta R.T. -0.02 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

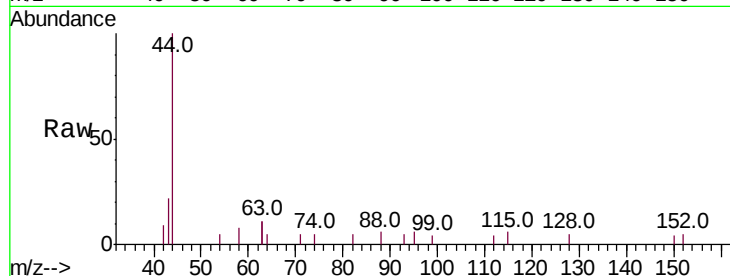
Tot Ion:152 Resp: 3

Ion Ratio Lower Upper

152 100

150 85.5 114.5 171.7#

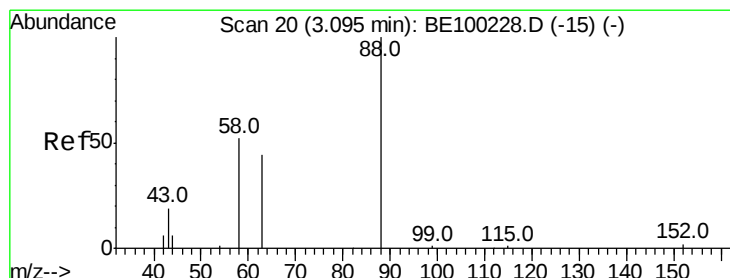
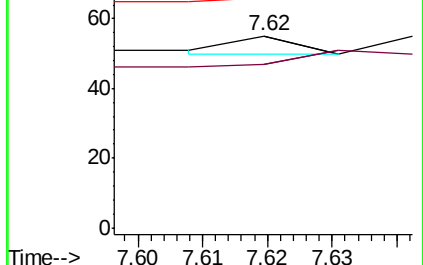
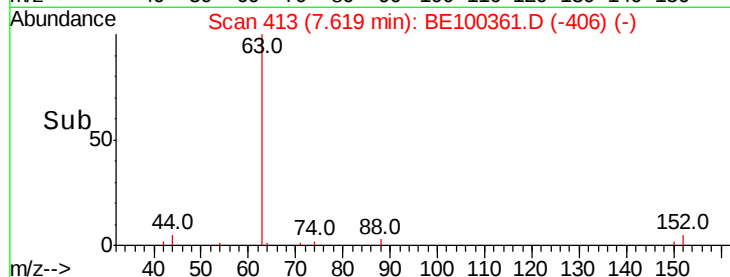
115 120.0 57.1 85.7#



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: 6.874 ng

RT: 3.07 min Scan# 18

Delta R.T. -0.02 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

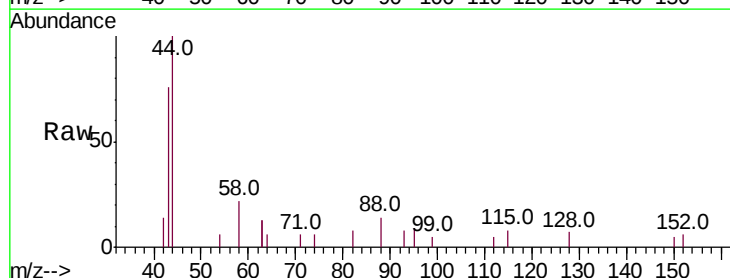
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

58 0.0 43.6 65.4#

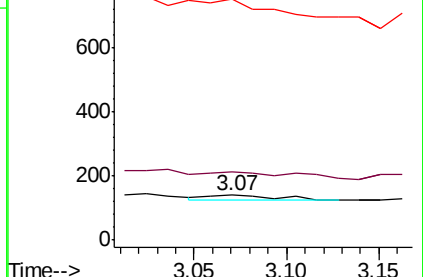
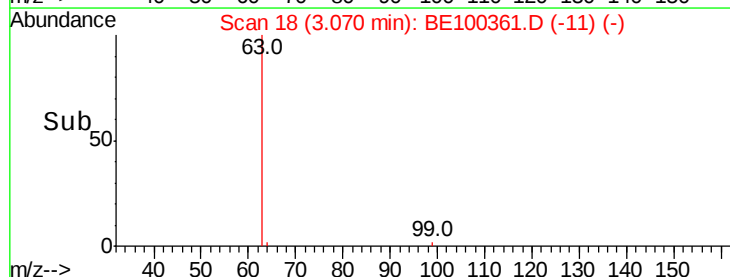
43 0.0 21.4 32.0#

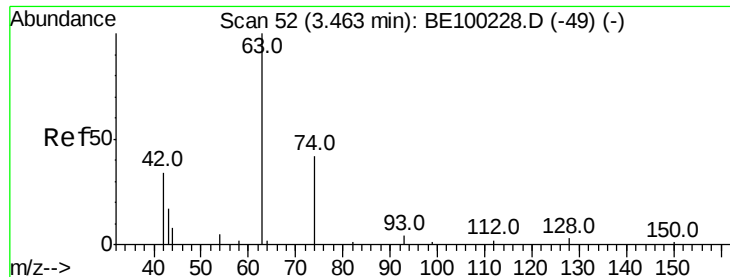


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 13.829 ng

RT: 3.47 min Scan# 53

Delta R.T. 0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

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ClientSampleId :

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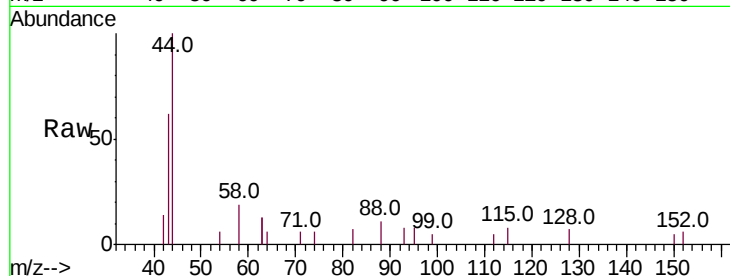
Tot Ion: 42 Resp: 30

Ion Ratio Lower Upper

42 100

74 0.0 130.6 196.0#

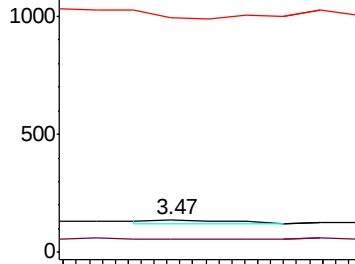
44 0.0 38.0 57.0#



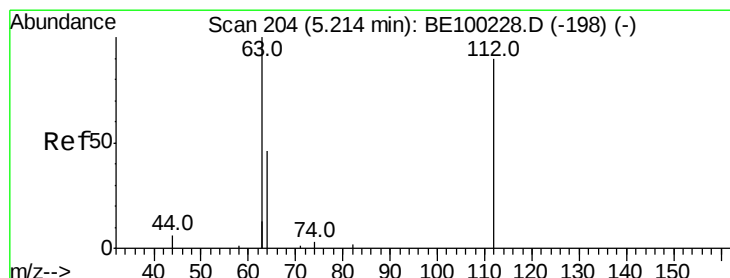
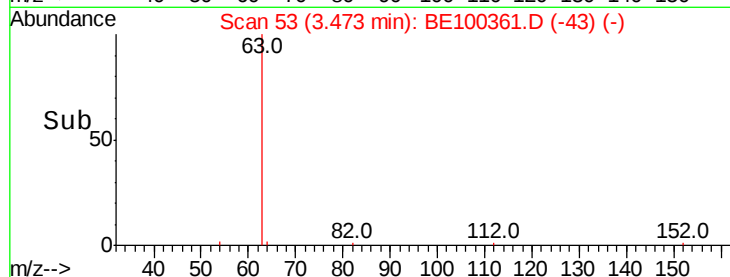
Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



Time-->



#4

2-Fluorophenol

Concen: 56.068 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

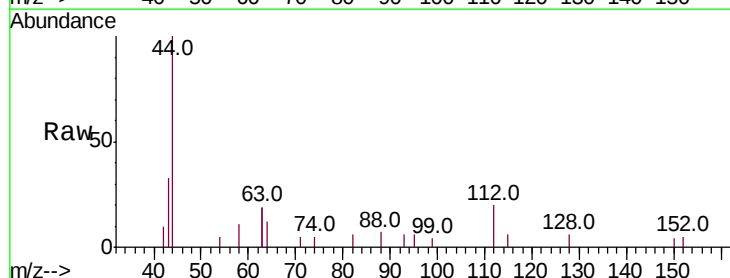
Tgt Ion: 112 Resp: 429

Ion Ratio Lower Upper

112 100

64 56.9 39.4 59.0

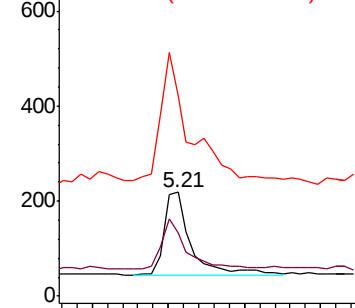
63 187.2 104.5 156.7#



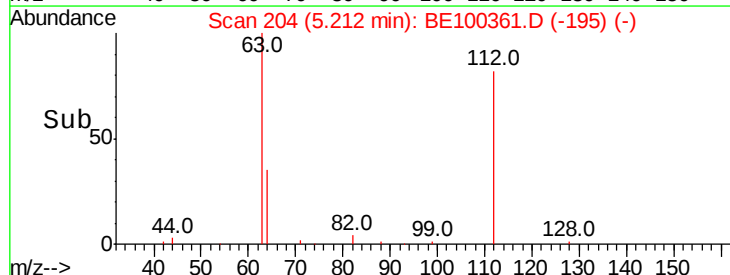
Abundance Ion 112.00 (111.70 to 112.70): E

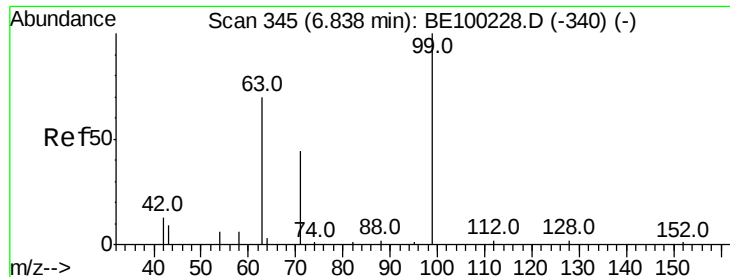
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 51.468 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

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EXT-016-SW097-062519

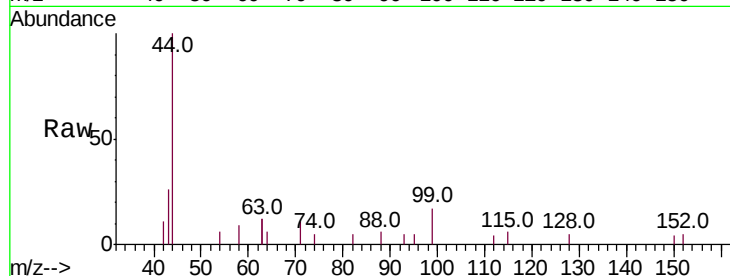
Tot Ion: 99 Resp: 518

Ion Ratio Lower Upper

99 100

42 18.7 11.2 16.8#

71 43.4 37.2 55.8



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

250

200

150

100

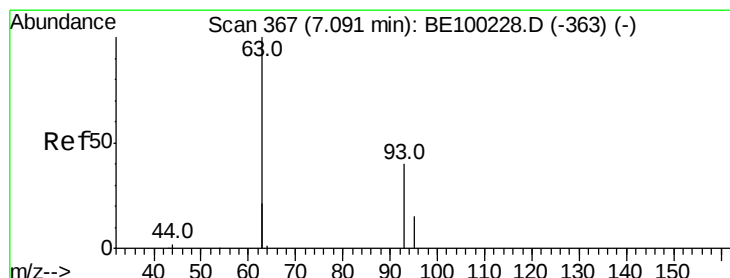
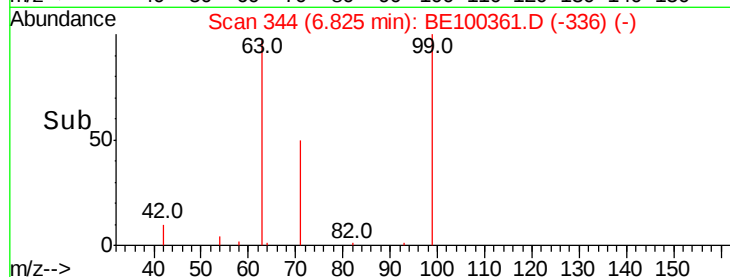
50

0

6.82

6.70 6.80 6.90 7.00

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.363 ng

RT: 7.12 min Scan# 370

Delta R.T. 0.03 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

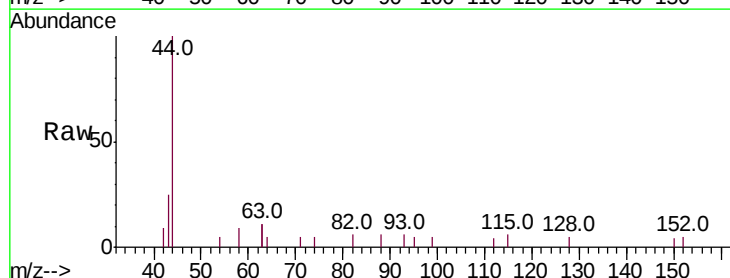
Tgt Ion: 93 Resp: 3

Ion Ratio Lower Upper

93 100

63 0.0 155.6 233.4#

95 0.0 23.0 34.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1

300

200

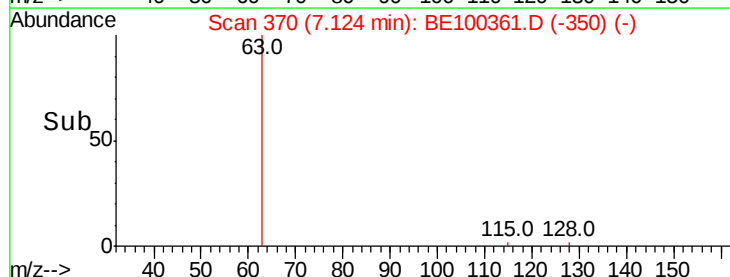
100

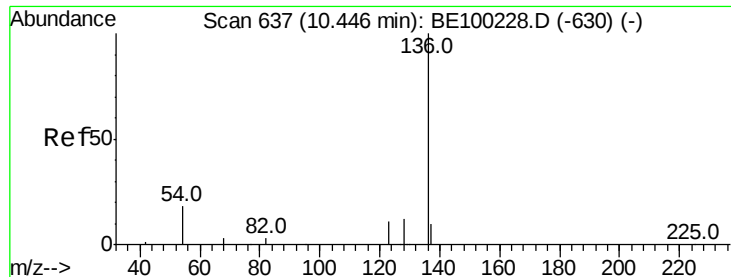
0

7.12

7.10 7.12 7.14

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.39 min Scan# 633

Delta R.T. -0.05 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

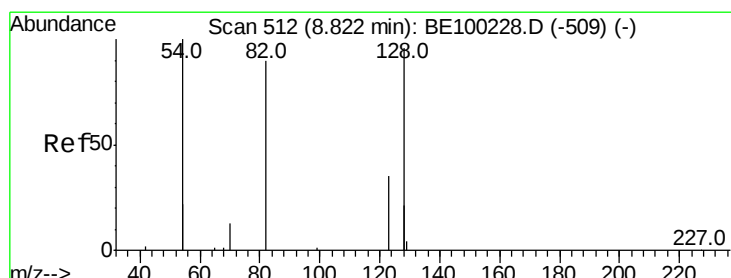
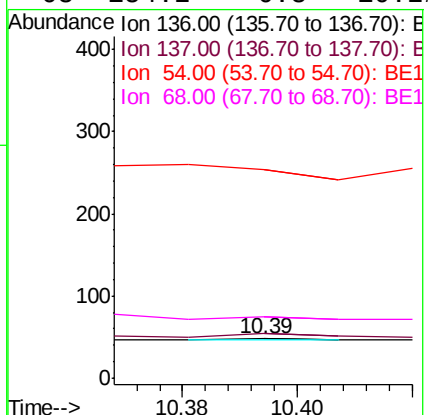
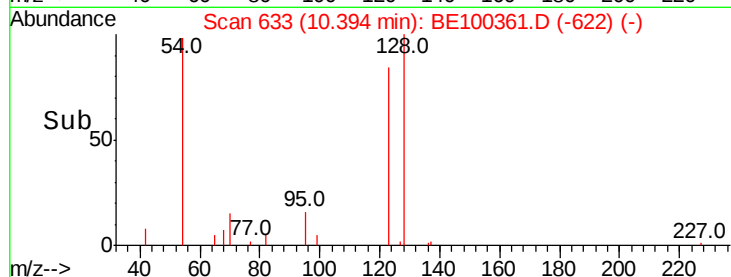
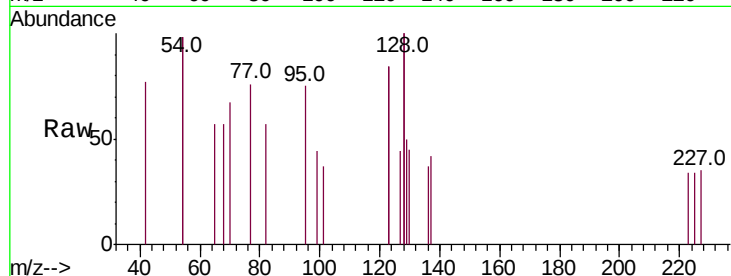
Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

Tot Ion:136	Resp:	2
Ion	Ratio	Lower Upper
136	100	
137	112.5	11.8 17.8#
54	529.2	27.7 41.5#
68	154.2	6.8 10.2#



#8

Nitrobenzene-d5

Concen: 269.227 ng

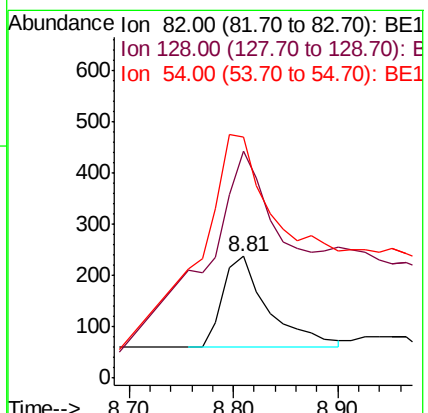
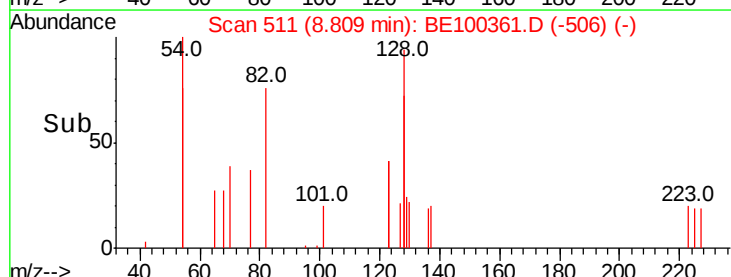
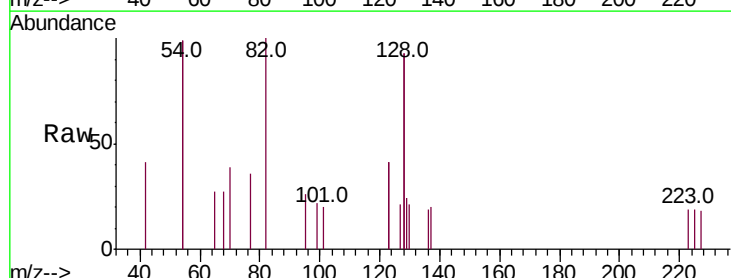
RT: 8.81 min Scan# 511

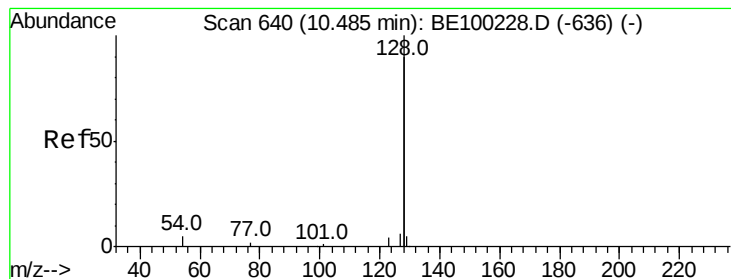
Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Tgt Ion: 82	Resp:	535
Ion	Ratio	Lower Upper
82	100	
128	186.6	140.9 211.3
54	197.5	146.2 219.2





#9

Naphthalene

Concen: 700.136 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

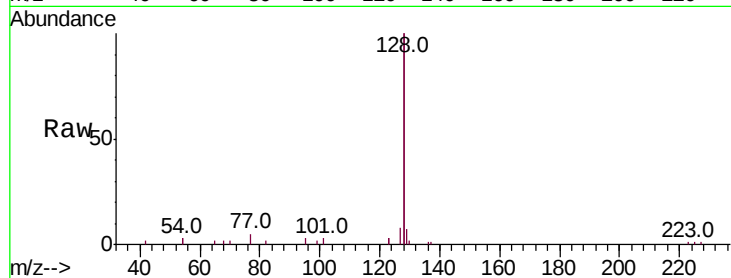
Tot Ion:128 Resp: 15443

Ion Ratio Lower Upper

128 100

129 3.6 3.0 4.6

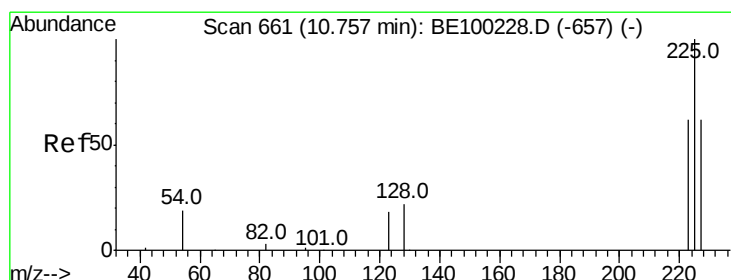
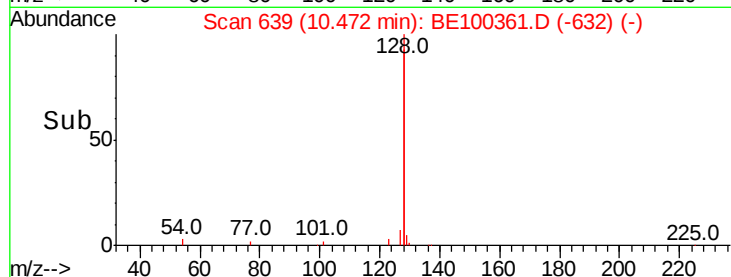
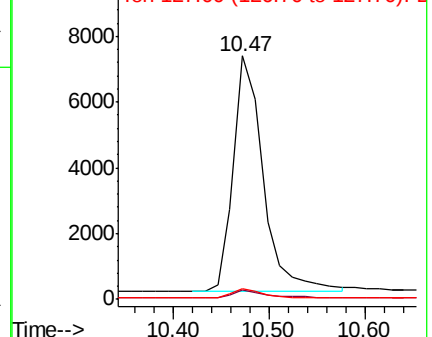
127 4.1 3.5 5.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 2.824 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.08 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

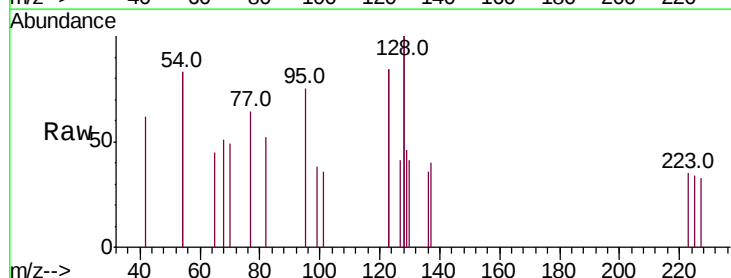
Tgt Ion:225 Resp: 6

Ion Ratio Lower Upper

225 100

223 0.0 49.1 73.7#

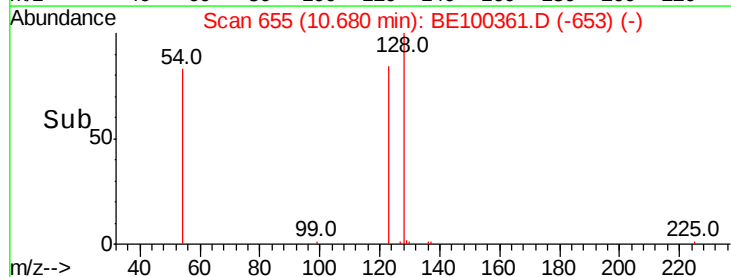
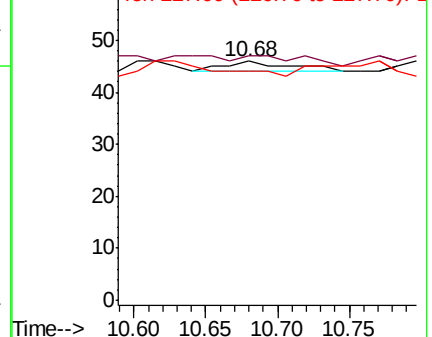
227 0.0 49.3 73.9#

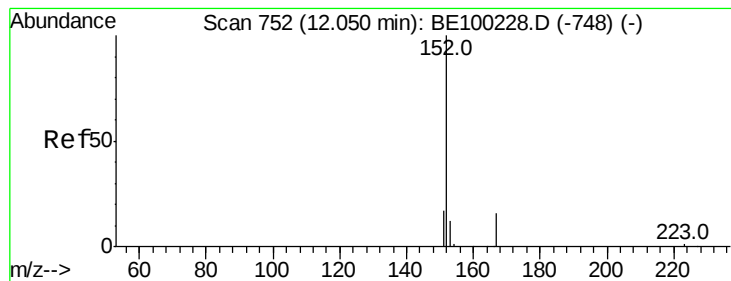


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 283.928 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

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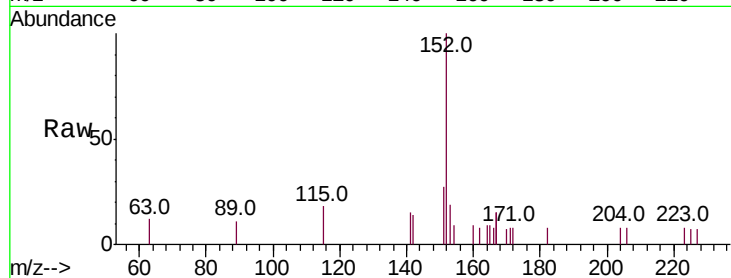
EXT-016-SW097-062519

Tot Ion:152 Resp: 1068

Ion Ratio Lower Upper

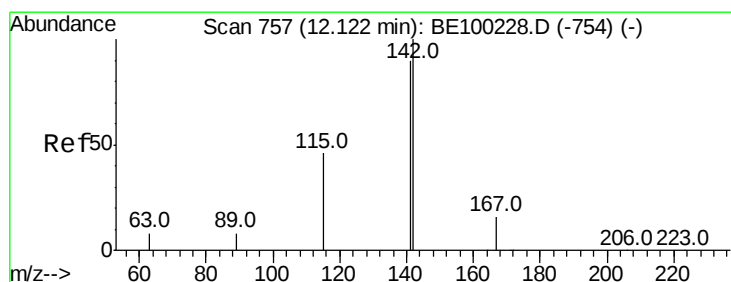
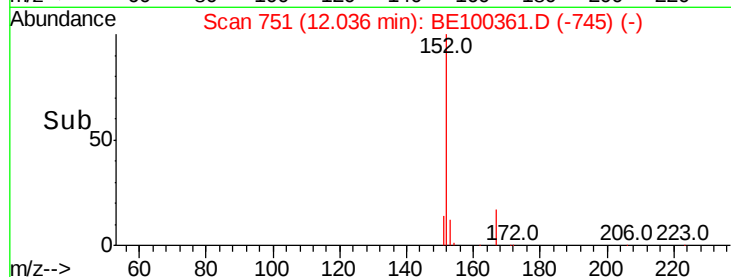
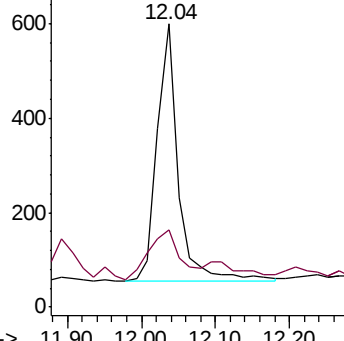
152 100

151 29.3 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: 863.136 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

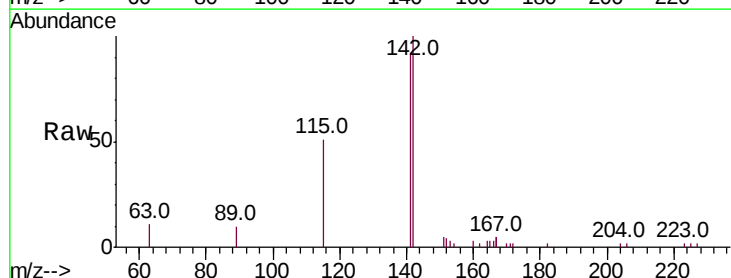
Tgt Ion:142 Resp: 3341

Ion Ratio Lower Upper

142 100

141 92.3 72.4 108.6

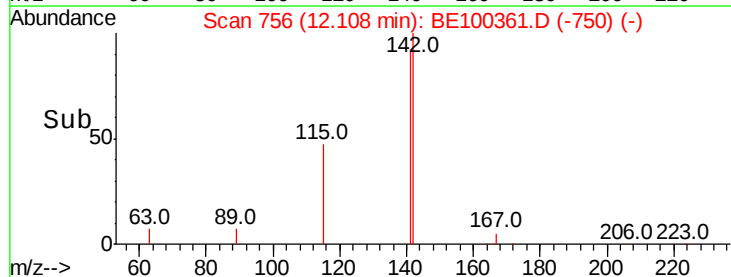
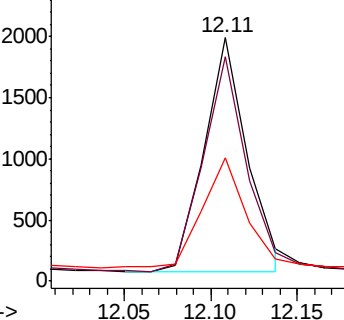
115 50.8 40.4 60.6

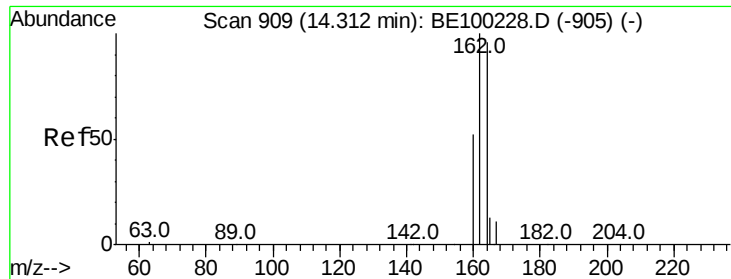


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.21 min Scan# 902

Delta R.T. -0.10 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

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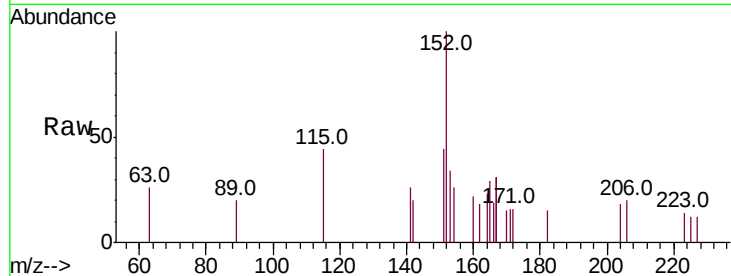
Tot Ion:164 Resp: 38

Ion Ratio Lower Upper

164 100

162 79.8 83.4 125.0#

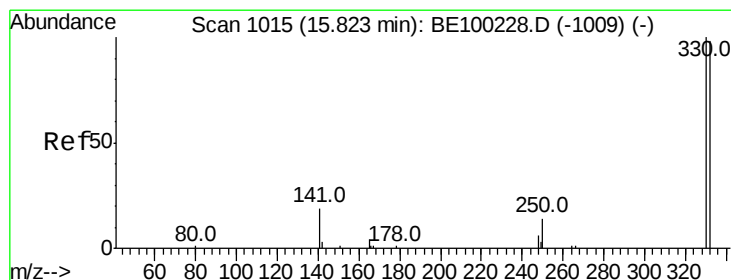
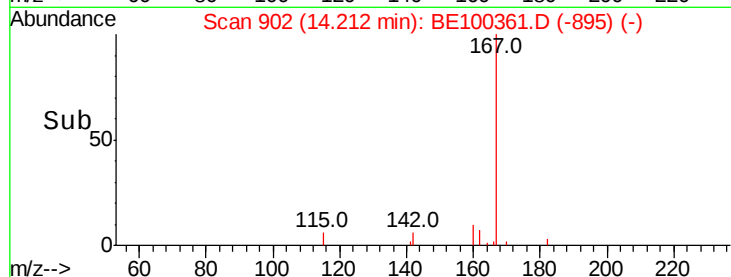
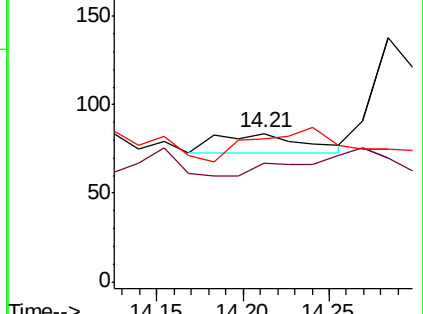
160 96.4 45.0 67.6#



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: 12.829 ng

RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

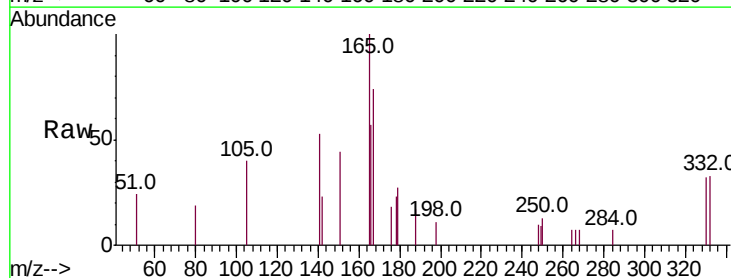
Tgt Ion:330 Resp: 341

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.4

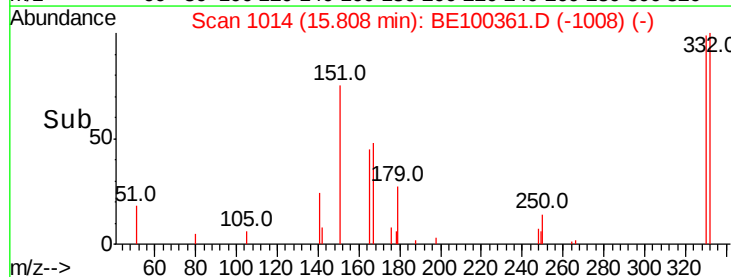
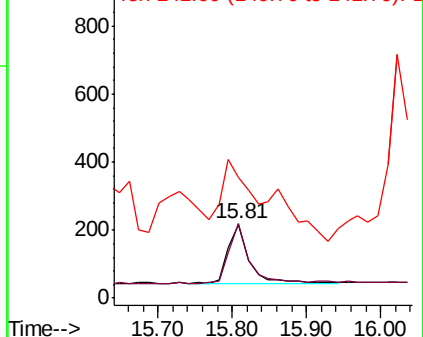
141 305.9 22.0 33.0#

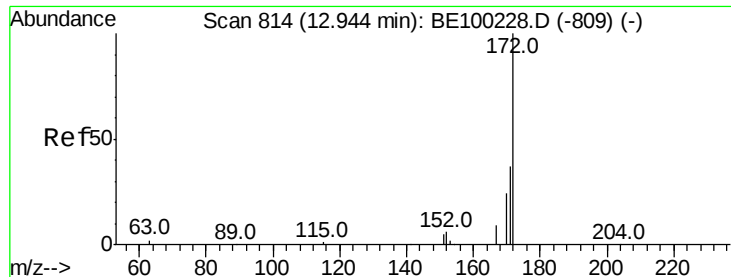


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 11.069 ng

RT: 12.93 min Scan# 813

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

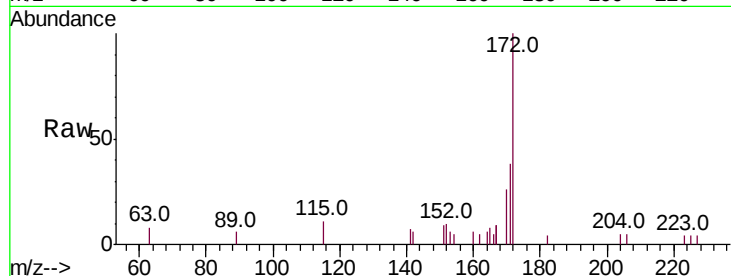
Tot Ion:172 Resp: 1639

Ion Ratio Lower Upper

172 100

171 37.8 31.9 47.9

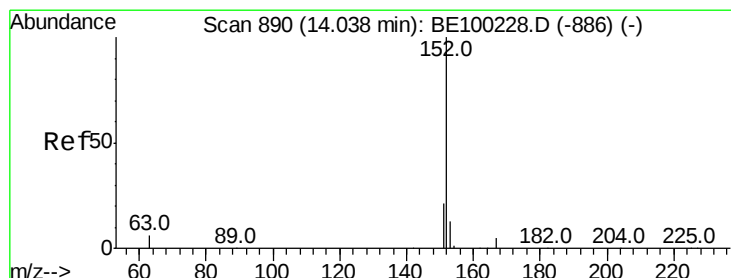
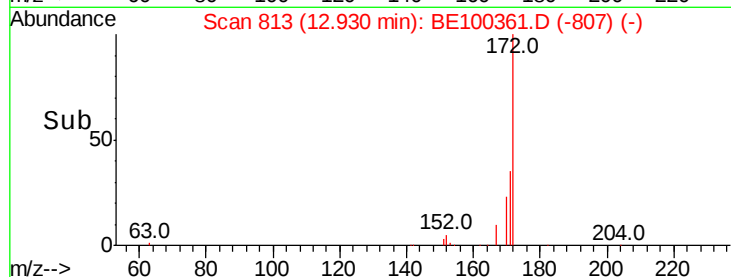
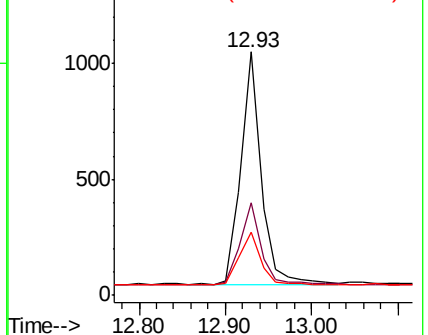
170 26.2 22.2 33.2



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: 142.397 ng

RT: 14.02 min Scan# 889

Delta R.T. -0.01 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

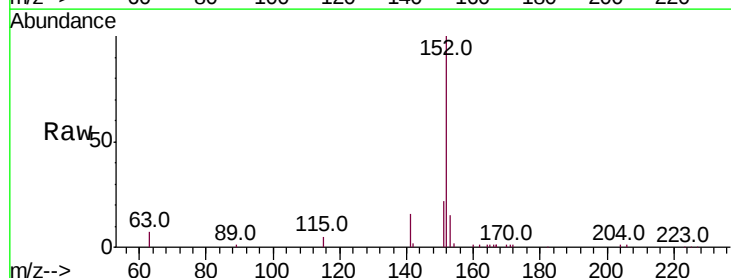
Tgt Ion:152 Resp: 25967

Ion Ratio Lower Upper

152 100

151 20.5 16.6 25.0

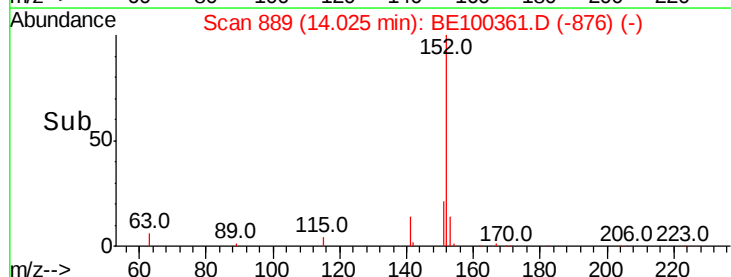
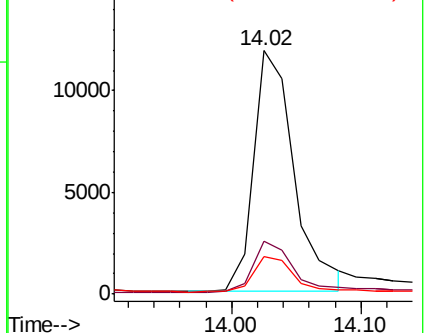
153 14.4 10.5 15.7

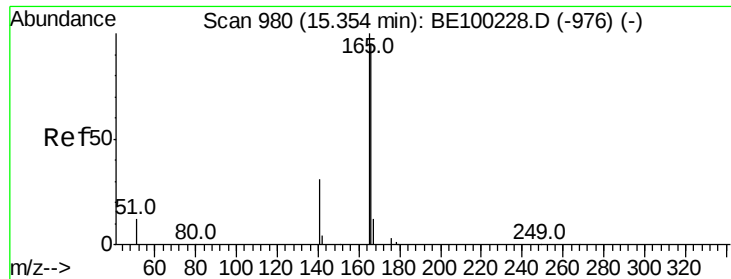


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

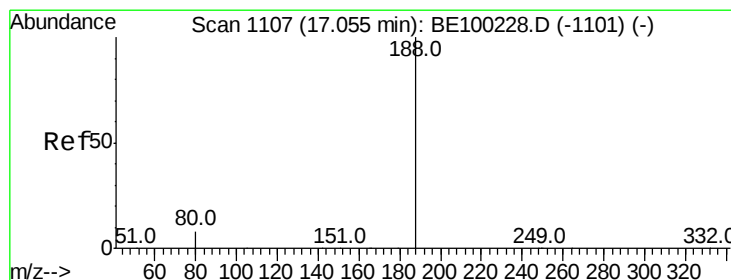
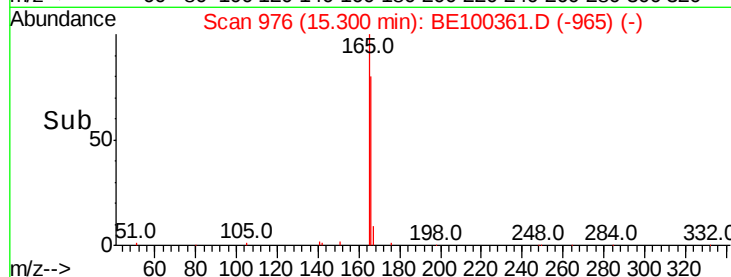
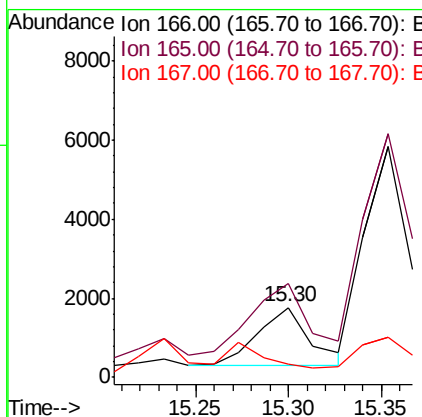
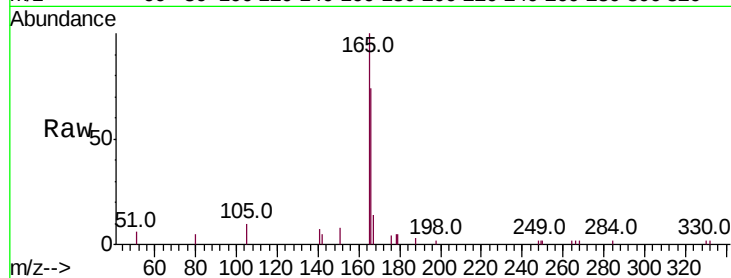




#18
 Fluorene
 Concen: 18.258 ng
 RT: 15.30 min Scan# 976
 Delta R.T. -0.05 min
 Lab File: BE100361.D
 Acq: 4 Jul 2019 11:38

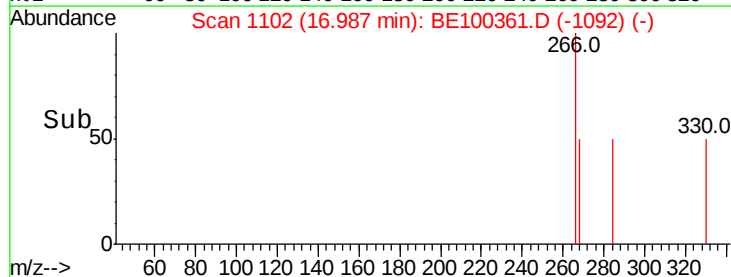
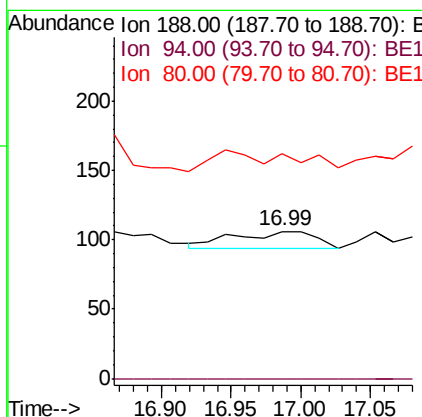
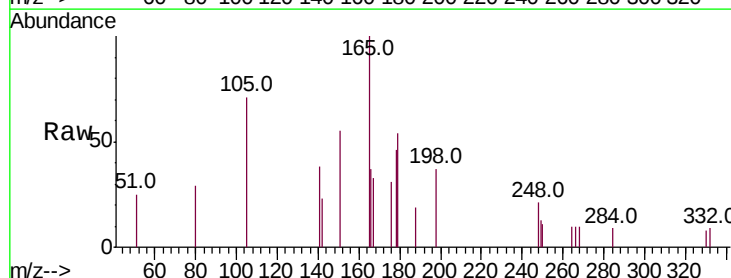
Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519

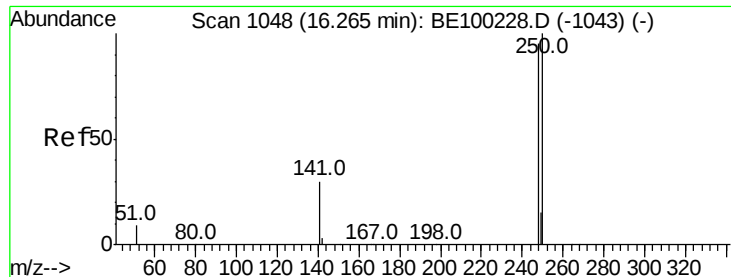
Tot Ion:166 Resp: 2790
 Ion Ratio Lower Upper
 166 100
 165 137.0 81.1 121.7#
 167 0.0 10.7 16.1#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.99 min Scan# 1102
 Delta R.T. -0.07 min
 Lab File: BE100361.D
 Acq: 4 Jul 2019 11:38

Tgt Ion:188 Resp: 48
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 152.8 7.6 11.4#

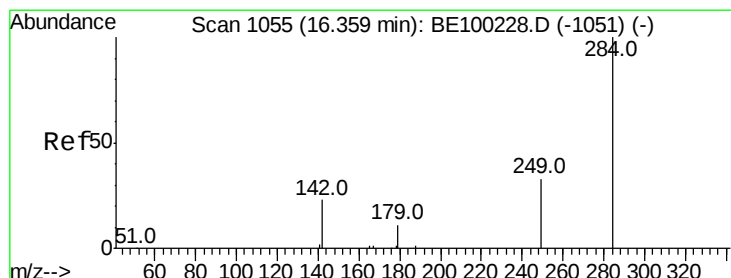
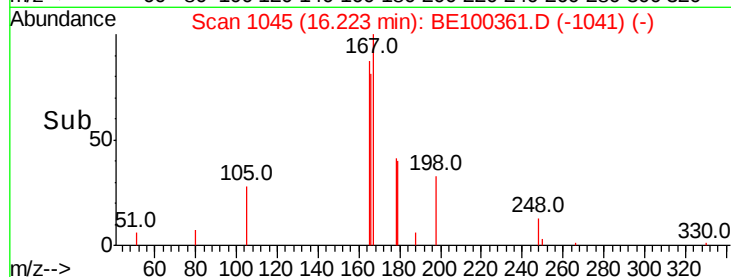
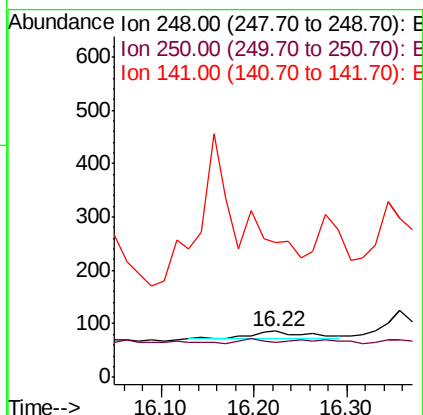
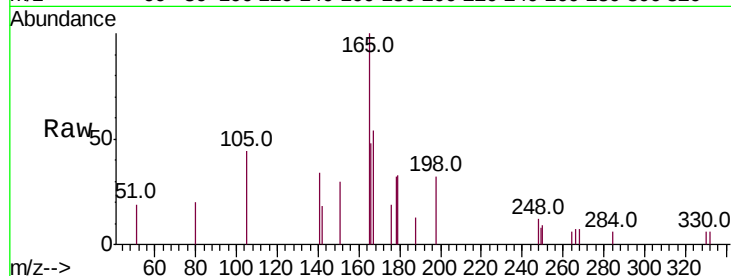




#20
4-Bromophenyl-phenylether
Concen: 1.665 ng
RT: 16.22 min Scan# 1045
Delta R.T. -0.04 min
Lab File: BE100361.D
Acq: 4 Jul 2019 11:38

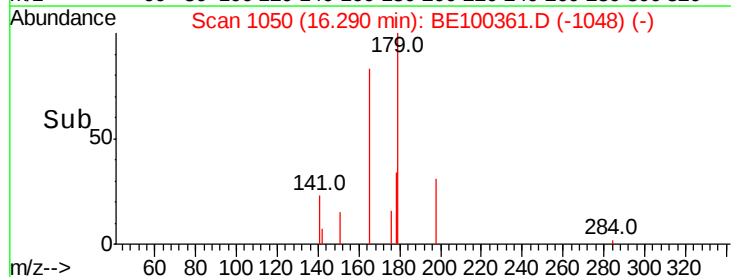
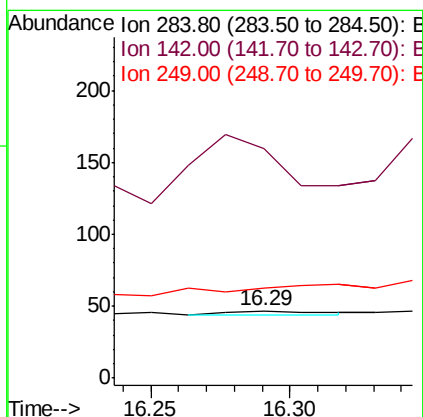
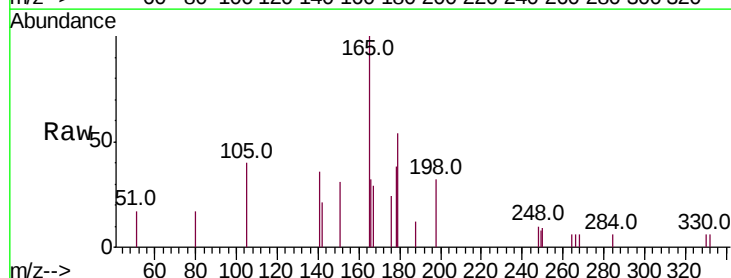
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519

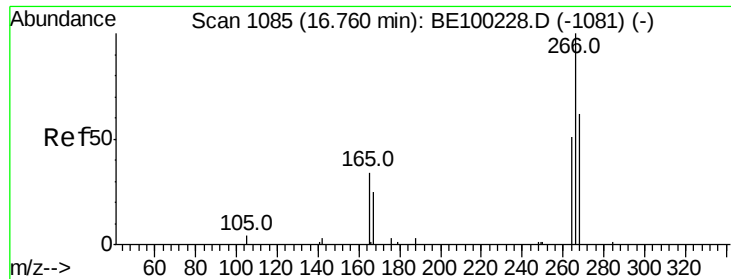
Tot Ion:248 Resp: 51
Ion Ratio Lower Upper
248 100
250 75.6 84.2 126.4#
141 293.0 29.3 43.9#



#21
Hexachlorobenzene
Concen: 0.220 ng
RT: 16.29 min Scan# 1050
Delta R.T. -0.07 min
Lab File: BE100361.D
Acq: 4 Jul 2019 11:38

Tgt Ion:284 Resp: 7
Ion Ratio Lower Upper
284 100
142 1600.0 18.8 28.2#
249 0.0 23.7 35.5#

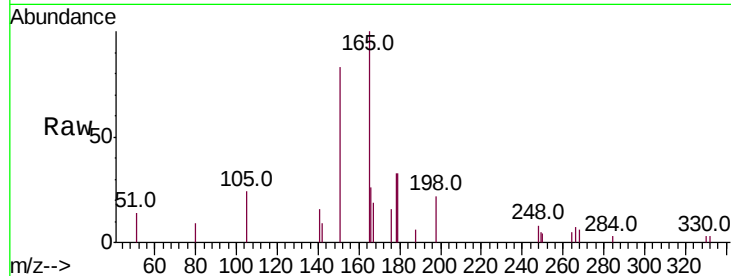




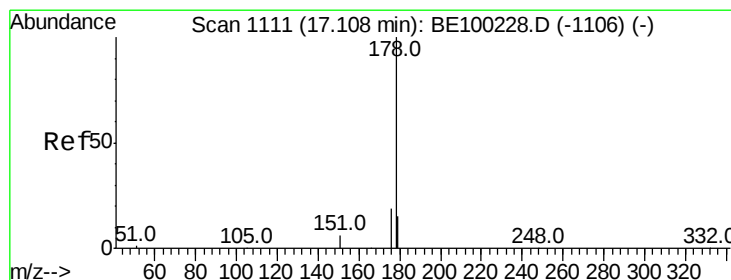
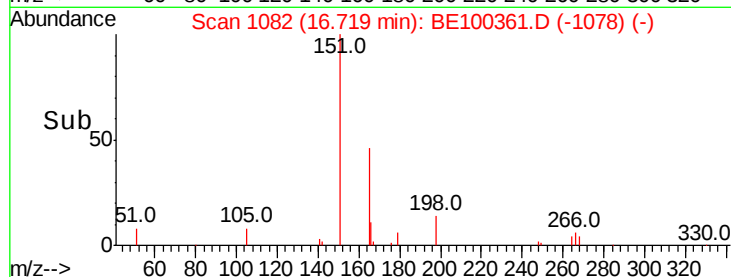
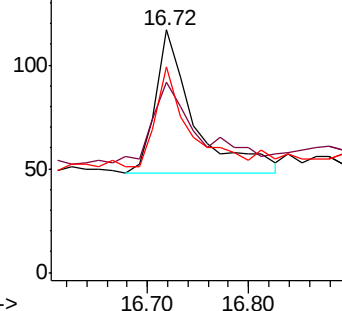
#22
 Pentachlorophenol
 Concen: 18.805 ng
 RT: 16.72 min Scan# 1082
 Delta R.T. -0.04 min
 Lab File: BE100361.D
 Acq: 4 Jul 2019 11:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519

Tot Ion:266 Resp: 180
 Ion Ratio Lower Upper
 266 100
 264 78.6 56.2 84.2
 268 84.6 61.8 92.6

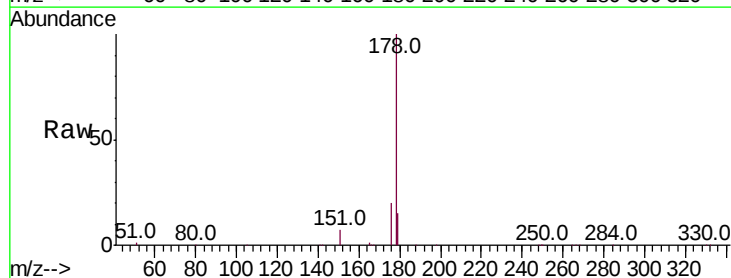


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

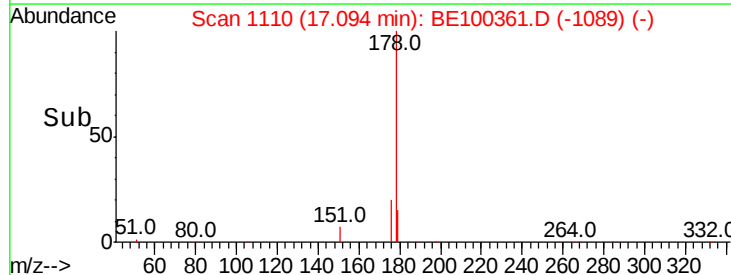
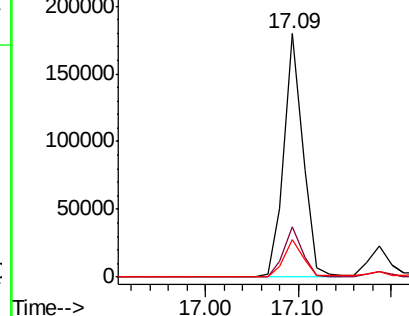


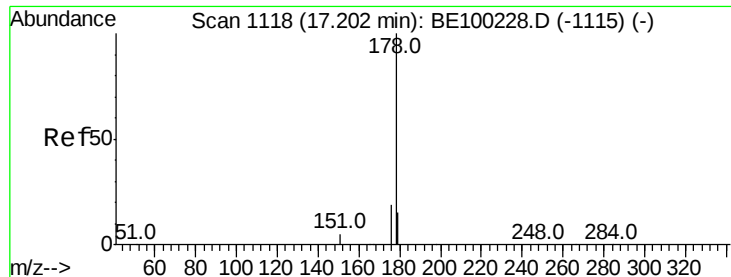
#23
 Phenanthrene
 Concen: 2200.570 ng
 RT: 17.09 min Scan# 1110
 Delta R.T. -0.01 min
 Lab File: BE100361.D
 Acq: 4 Jul 2019 11:38

Tgt Ion:178 Resp: 256009
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.9 23.9
 179 15.7 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

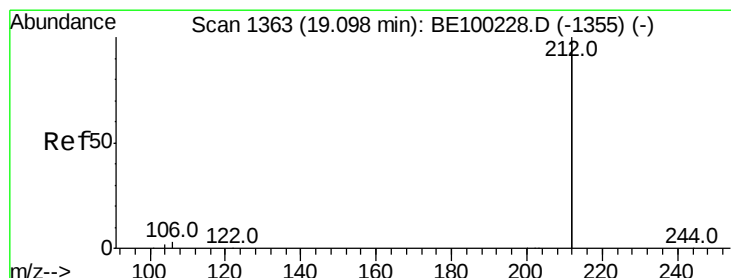
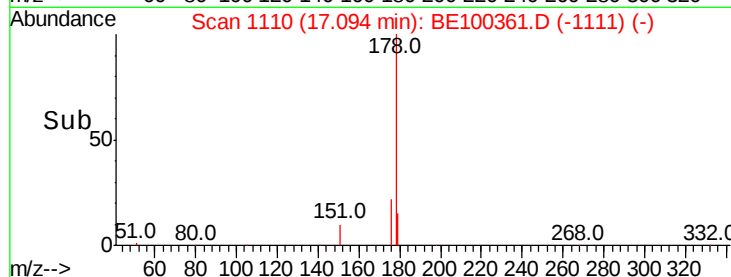
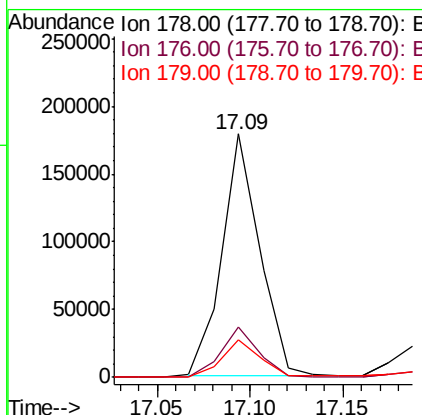
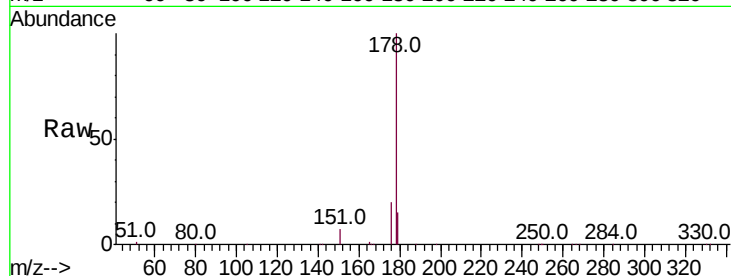




#24
 Anthracene
 Concen: 2372.737 ng
 RT: 17.09 min Scan# 1110
 Delta R.T. -0.11 min
 Lab File: BE100361.D
 Acq: 4 Jul 2019 11:38

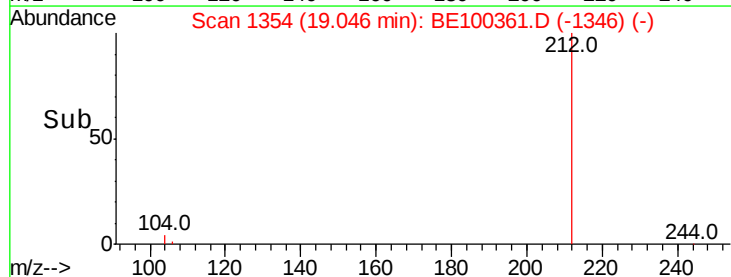
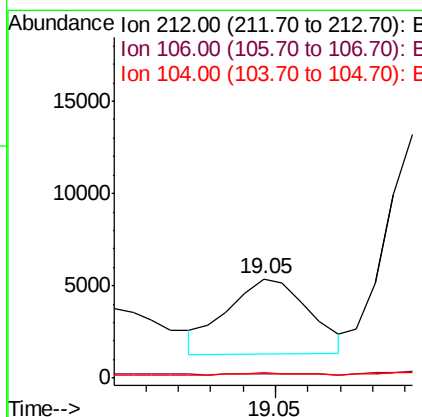
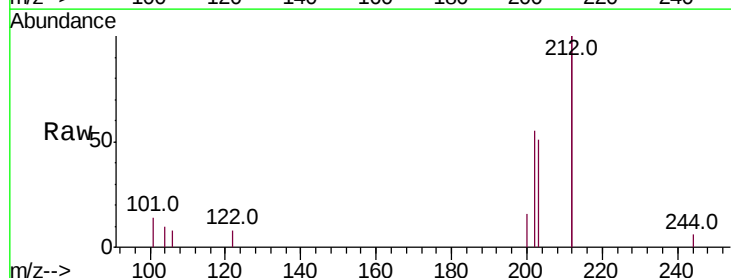
Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW097-062519

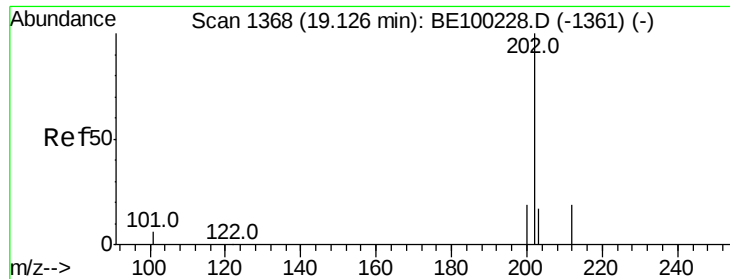
Tot Ion:178 Resp: 248579
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.3 22.9
 179 15.3 12.2 18.2



#25
 Fluoranthene-d10
 Concen: 10.215 ng
 RT: 19.05 min Scan# 1354
 Delta R.T. -0.05 min
 Lab File: BE100361.D
 Acq: 4 Jul 2019 11:38

Tgt Ion:212 Resp: 7116
 Ion Ratio Lower Upper
 212 100
 106 0.4 1.3 1.9#
 104 2.5 0.8 1.2#





#26

Fluoranthene

Concen: 2555.388 ng

RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

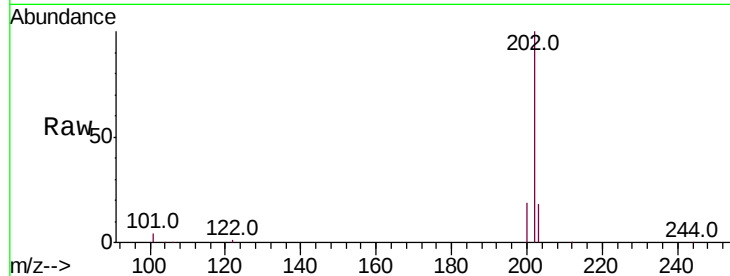
Tot Ion:202 Resp: 473527

Ion Ratio Lower Upper

202 100

101 4.8 4.6 7.0

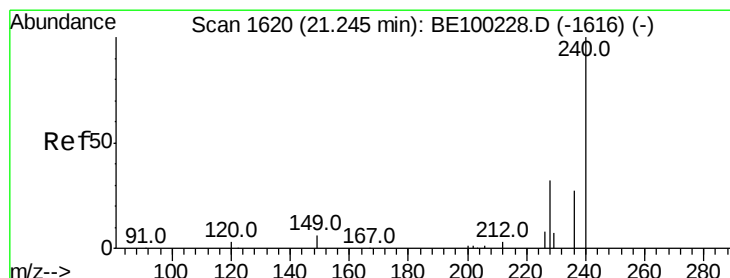
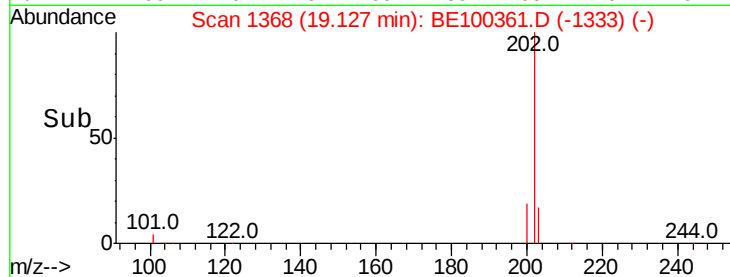
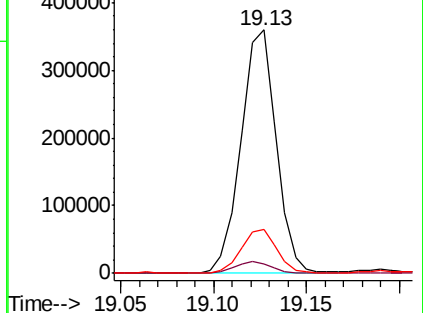
203 18.0 13.7 20.5



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: 21.11 min Scan# 1609

Delta R.T. -0.13 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

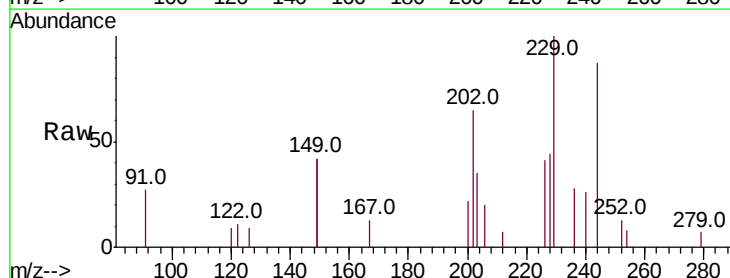
Tgt Ion:240 Resp: 893

Ion Ratio Lower Upper

240 100

120 33.0 3.3 4.9#

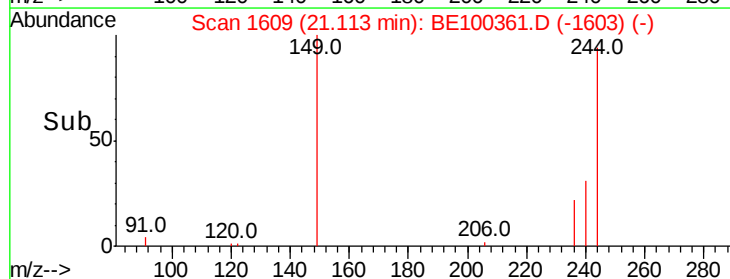
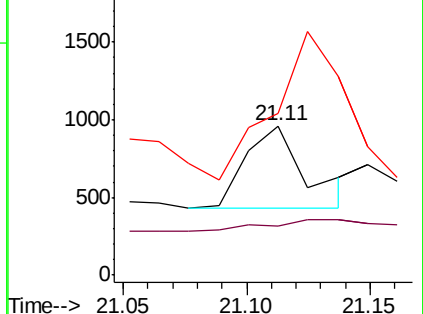
236 108.3 22.6 34.0#

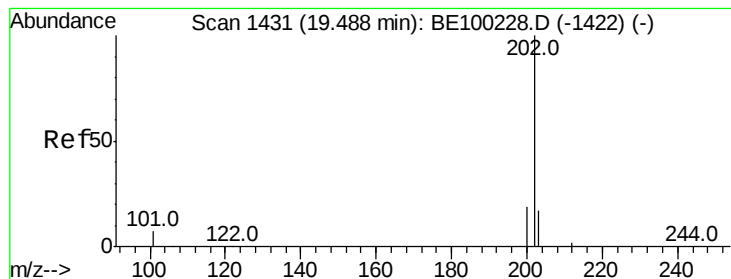


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 10.239 ng

RT: 19.28 min Scan# 1394

Delta R.T. -0.21 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

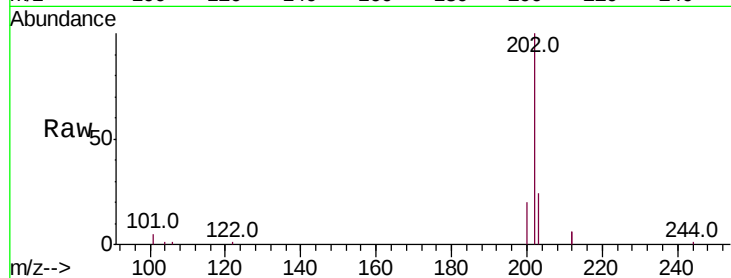
Tot Ion:202 Resp: 24208

Ion Ratio Lower Upper

202 100

200 21.1 15.6 23.4

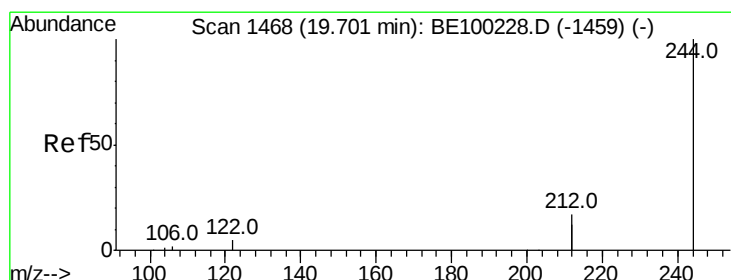
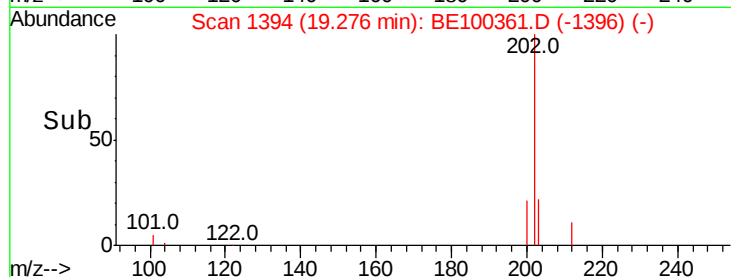
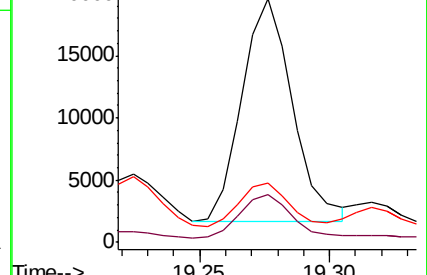
203 19.7 14.0 21.0



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: 0.066 ng

RT: 19.55 min Scan# 1442

Delta R.T. -0.15 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

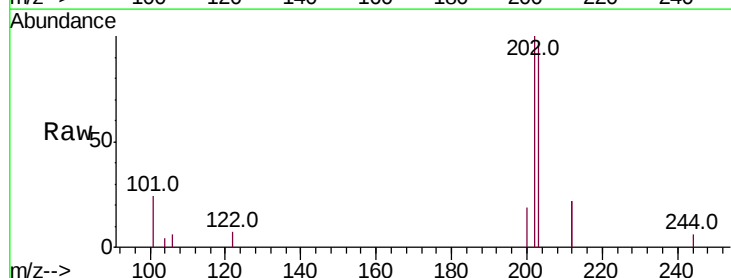
Tgt Ion:244 Resp: 123

Ion Ratio Lower Upper

244 100

212 741.6 27.3 40.9#

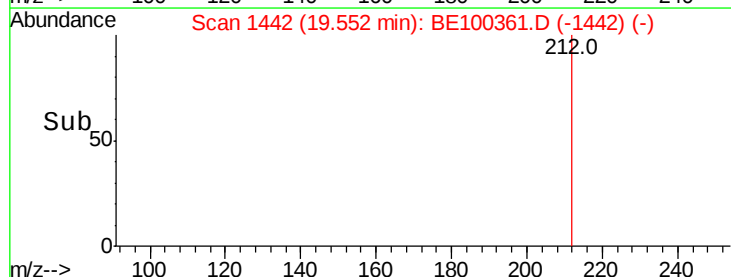
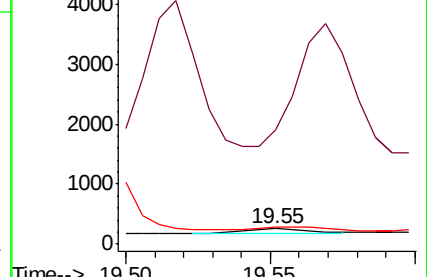
122 111.3 4.7 7.1#

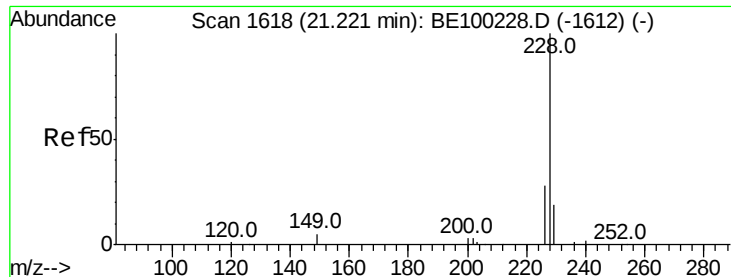


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 103.690 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

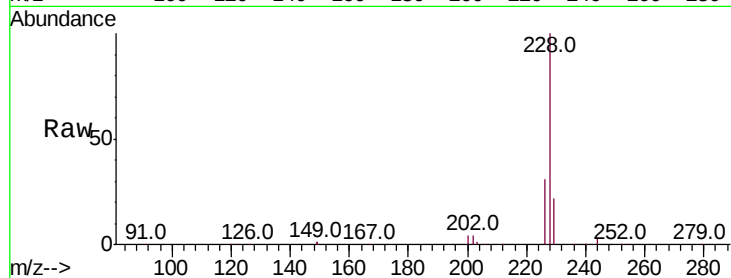
Tot Ion:228 Resp: 304454

Ion Ratio Lower Upper

228 100

226 30.5 23.2 34.8

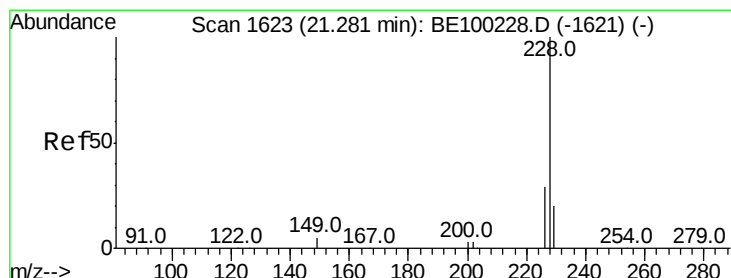
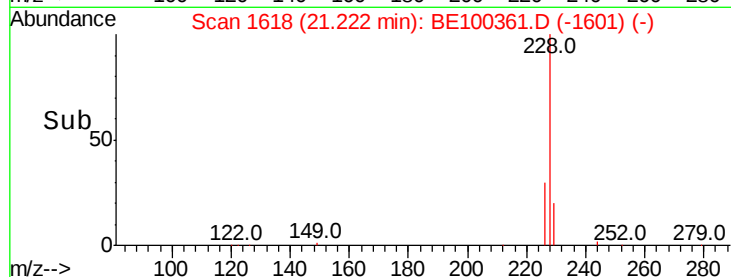
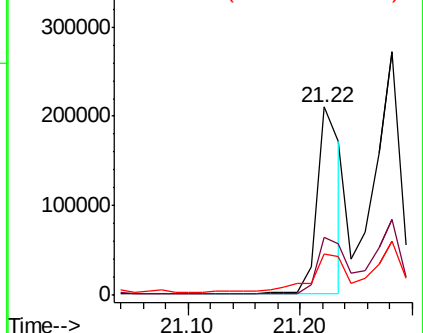
229 22.2 15.7 23.5



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: 112.931 ng

RT: 21.22 min Scan# 1618

Delta R.T. -0.06 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

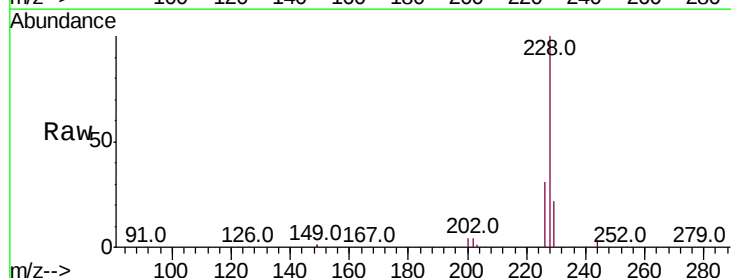
Tgt Ion:228 Resp: 332964

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

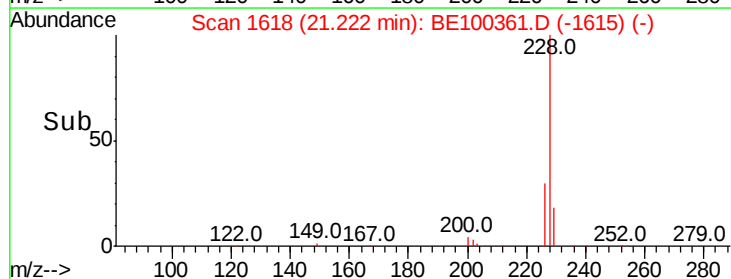
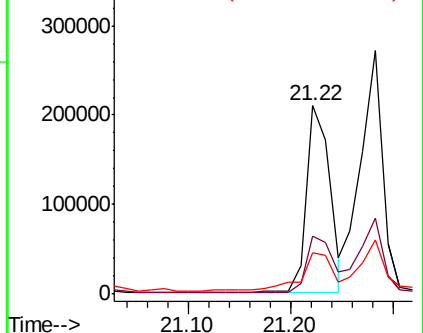
229 22.2 16.5 24.7

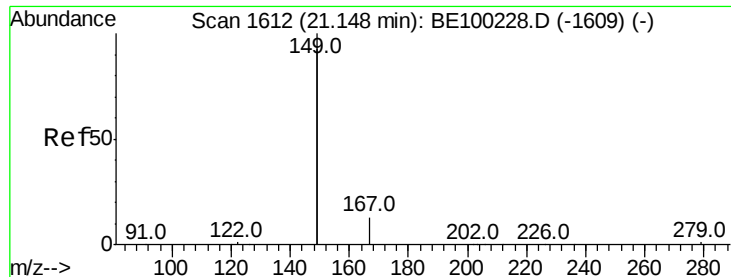


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.927 ng

RT: 21.02 min Scan# 1601

Delta R.T. -0.13 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

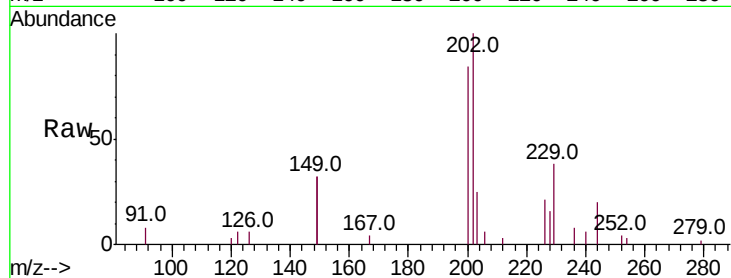
Tot Ion:149 Resp: 8237

Ion Ratio Lower Upper

149 100

167 0.0 5.8 8.8#

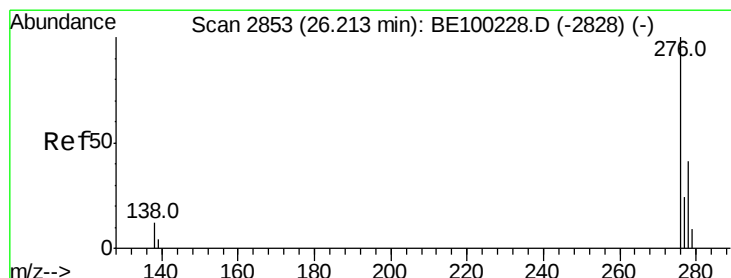
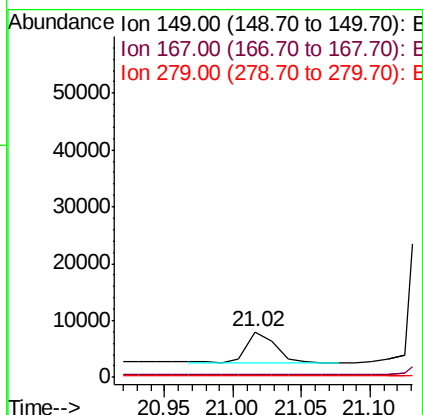
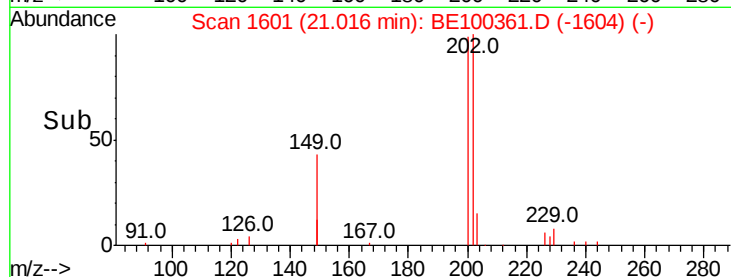
279 0.0 1.1 1.7#



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: 1.600 ng

RT: 26.03 min Scan# 2802

Delta R.T. -0.18 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

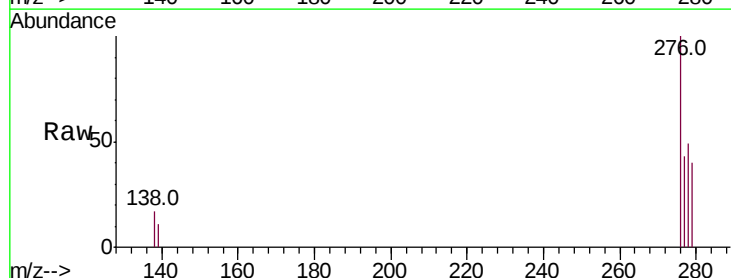
Tgt Ion:276 Resp: 6240

Ion Ratio Lower Upper

276 100

138 8.8 9.4 14.0#

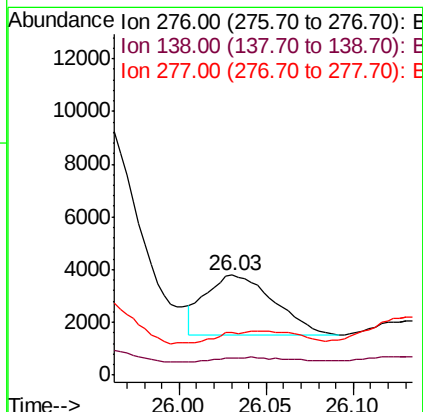
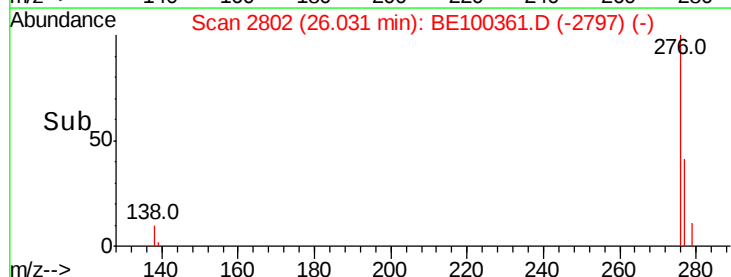
277 20.6 19.2 28.8

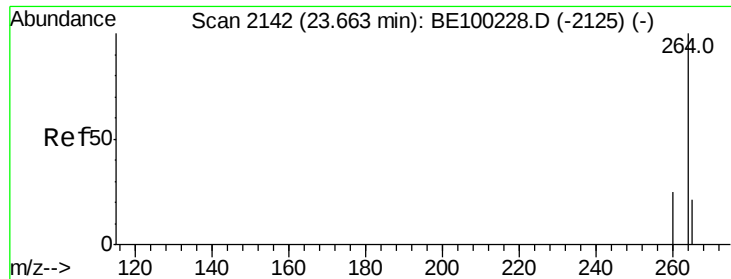


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

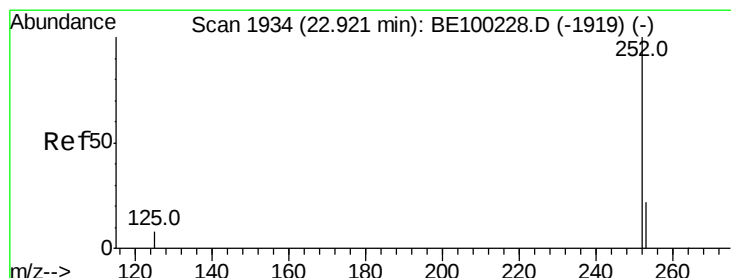
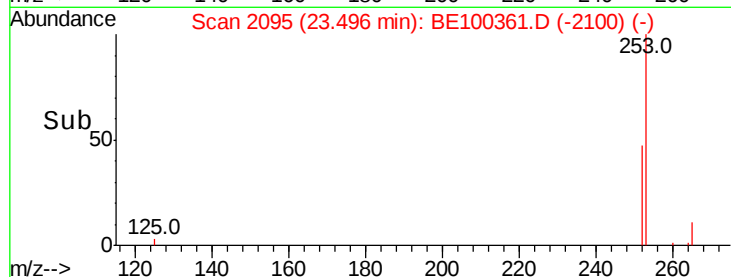
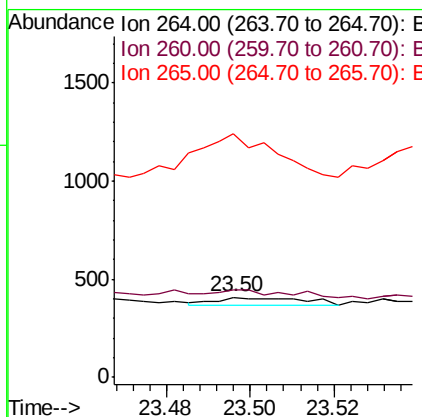
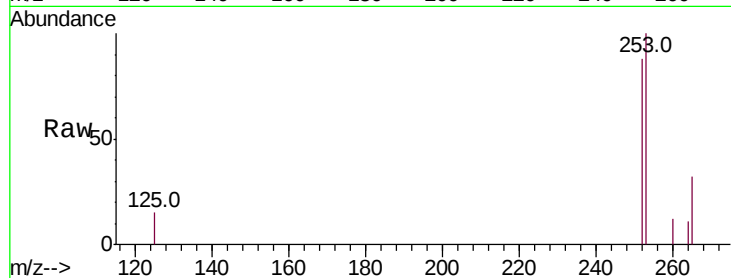




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2095
Delta R.T. -0.17 min
Lab File: BE100361.D
Acq: 4 Jul 2019 11:38

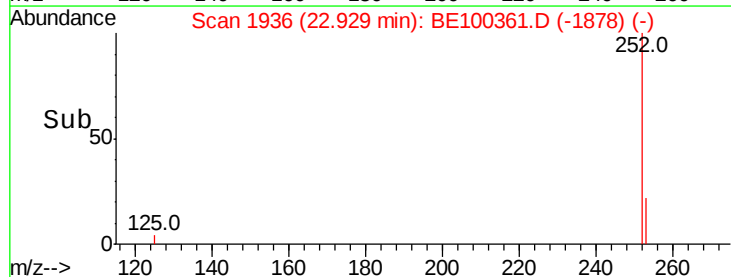
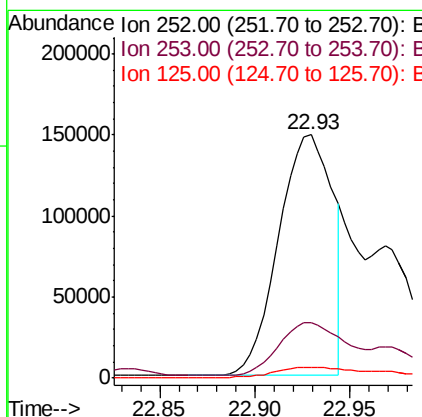
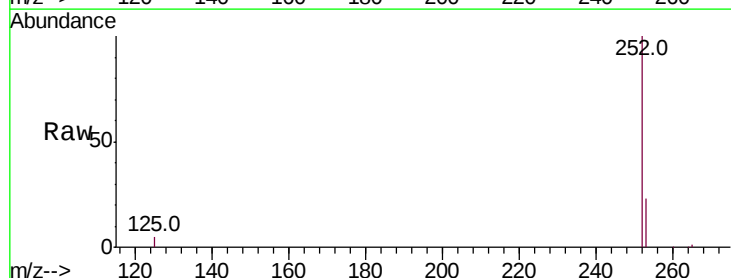
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW097-062519

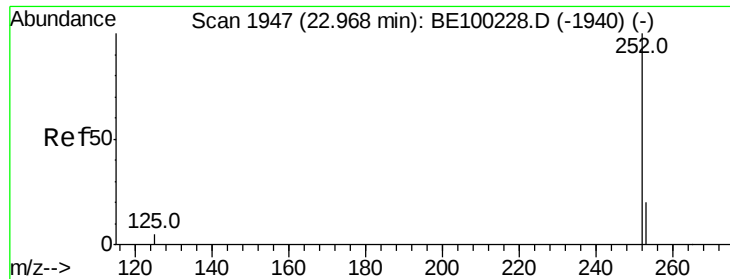
Tot Ion:264 Resp: 52
Ion Ratio Lower Upper
264 100
260 109.6 20.8 31.2#
265 303.9 21.8 32.6#



#35
Benzo(b)fluoranthene
Concen: 2082.039 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100361.D
Acq: 4 Jul 2019 11:38

Tgt Ion:252 Resp: 293534
Ion Ratio Lower Upper
252 100
253 23.0 19.2 28.8
125 4.6 7.4 11.0#





#36

Benzo(k)fluoranthene

Concen: 2306.760 ng

RT: 22.93 min Scan# 1936

Delta R.T. -0.04 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

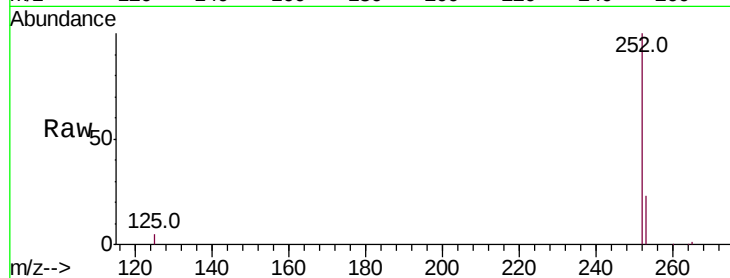
Tot Ion:252 Resp: 363018

Ion Ratio Lower Upper

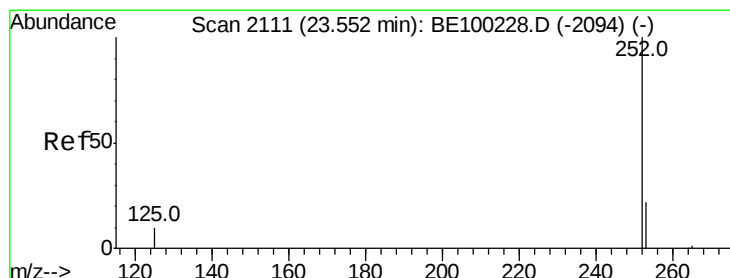
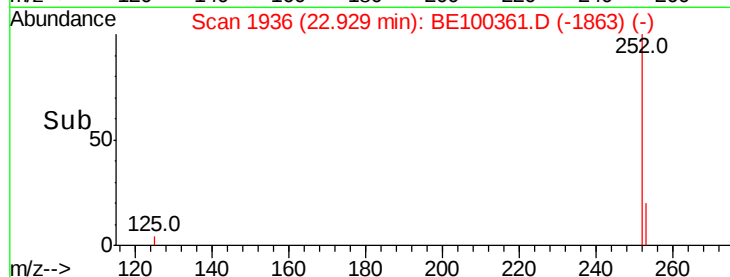
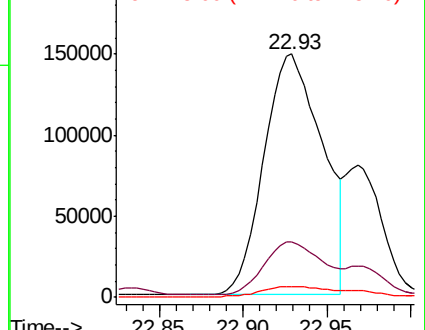
252 100

253 23.0 17.9 26.9

125 4.6 5.0 7.4#



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



#37

Benzo(a)pyrene

Concen: 1589.425 ng

RT: 23.45 min Scan# 2083

Delta R.T. -0.10 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

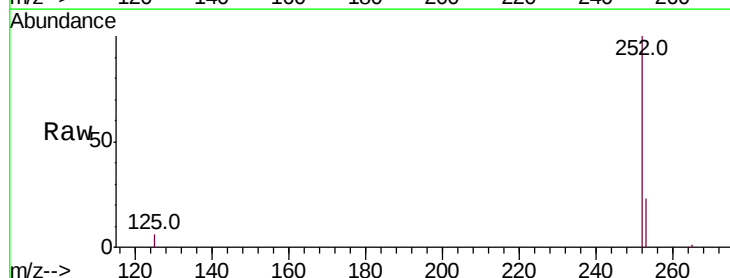
Tgt Ion:252 Resp: 224585

Ion Ratio Lower Upper

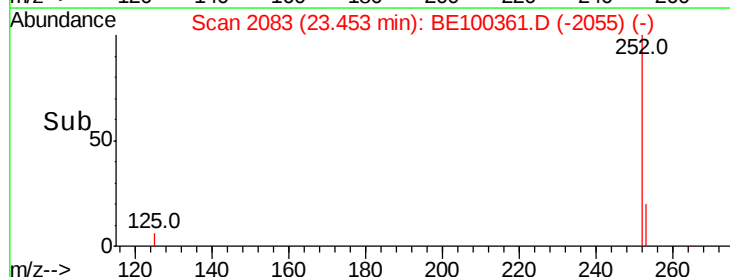
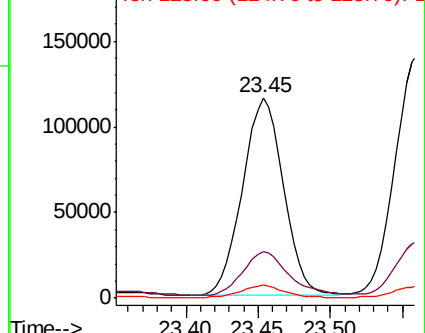
252 100

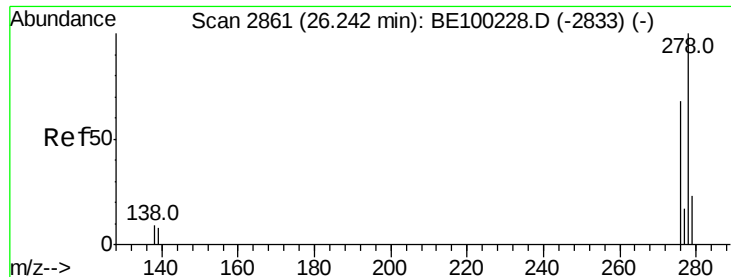
253 23.3 19.6 29.4

125 6.3 9.0 13.6#



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: 6.194 ng

RT: 26.07 min Scan# 2812

Delta R.T. -0.18 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW097-062519

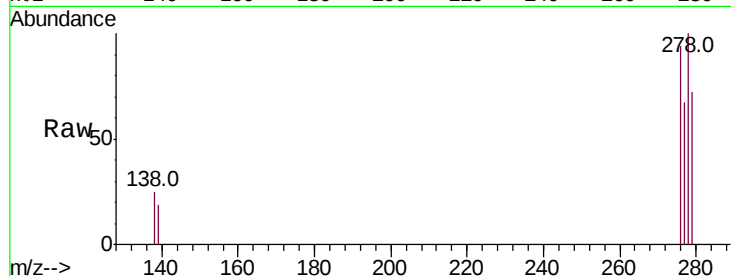
Tot Ion:278 Resp: 914

Ion Ratio Lower Upper

278 100

139 18.7 8.2 12.2#

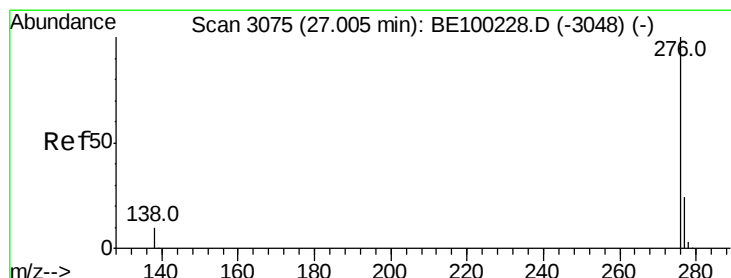
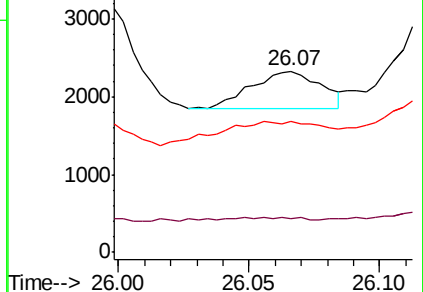
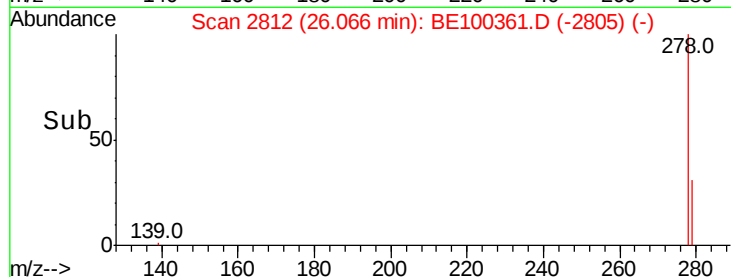
279 72.2 20.3 30.5#



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: 91.101 ng

RT: 26.64 min Scan# 2973

Delta R.T. -0.36 min

Lab File: BE100361.D

Acq: 4 Jul 2019 11:38

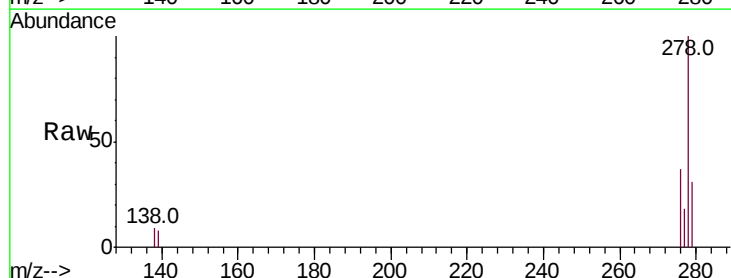
Tgt Ion:276 Resp: 13811

Ion Ratio Lower Upper

276 100

277 48.1 20.2 30.2#

138 24.1 9.0 13.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

