

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070519\
 Data File : BE100404.D
 Acq On : 6 Jul 2019 5:31
 Operator : JU/SJ
 Sample : K3561-05MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW099-062519MSD

Quant Time: Jul 06 06:45:53 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	583	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	1964	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1424	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	4523	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	5834	0.40	ng	-0.01
34) Perylene-d12	23.65	264	7478	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	478	0.32	ng	-0.01
5) Phenol-d6	6.81	99	661	0.34	ng	-0.02
8) Nitrobenzene-d5	8.80	82	507	0.26	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1465	0.40	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	353	0.35	ng	-0.03
15) 2-Fluorobiphenyl	12.91	172	1884	0.34	ng	-0.03
25) Fluoranthene-d10	19.08	212	18071	0.28	ng	-0.02
29) Terphenyl-d14	19.68	244	4167	0.34	ng	-0.02

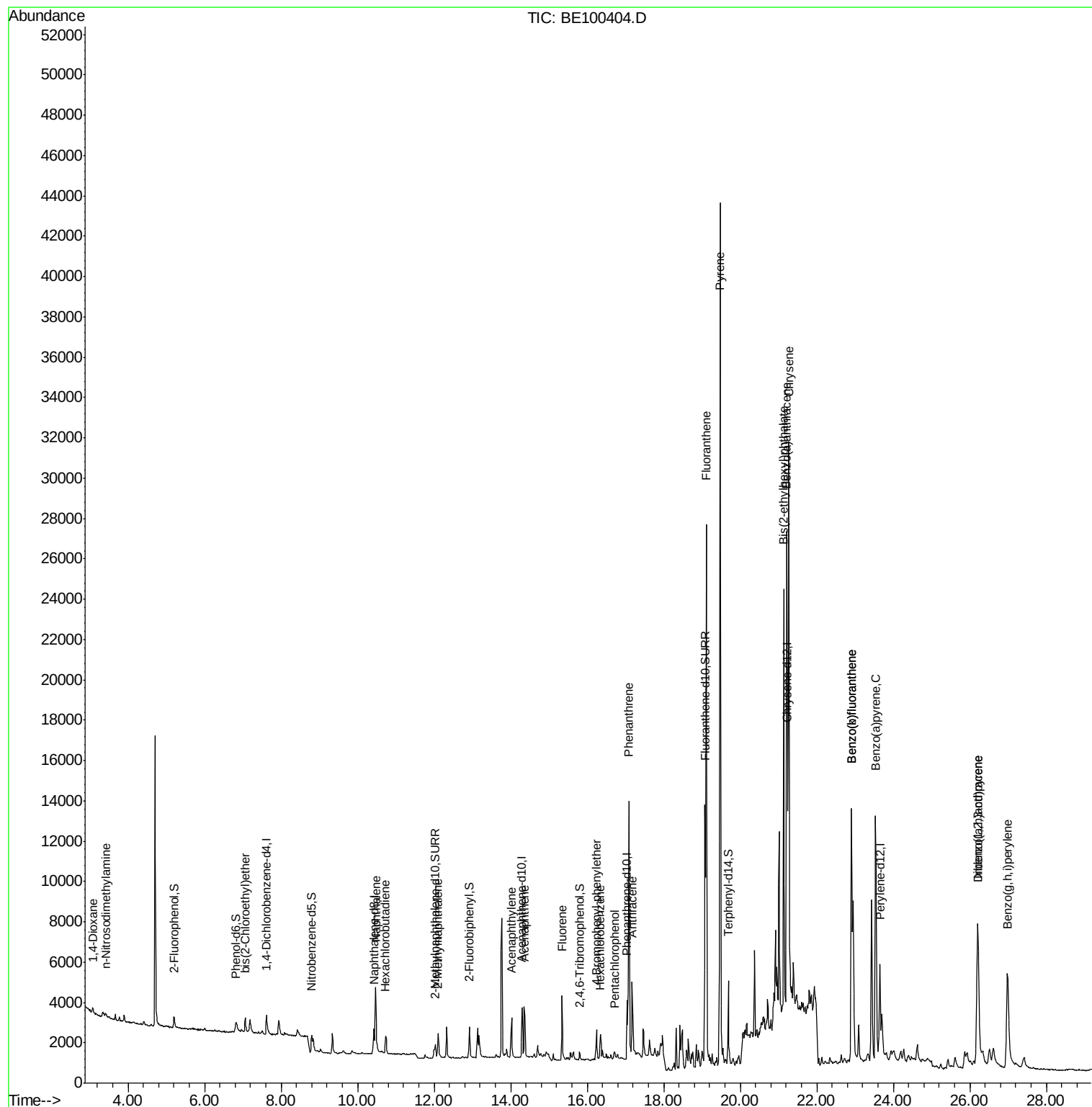
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.07	88	211	0.233	ng	# 46
3) n-Nitrosodimethylamine	3.42	42	184	0.436	ng	# 84
6) bis(2-Chloroethyl)ether	7.06	93	462	0.288	ng	# 68
9) Naphthalene	10.47	128	7446	0.344	ng	99
10) Hexachlorobutadiene	10.73	225	689	0.330	ng	99
12) 2-Methylnaphthalene	12.09	142	1151	0.303	ng	95
16) Acenaphthylene	14.02	152	2492	0.365	ng	99
17) Acenaphthene	14.36	154	1400	0.362	ng	94
18) Fluorene	15.34	166	2141	0.374	ng	99
20) 4-Bromophenyl-phenylether	16.24	248	882	0.306	ng	# 92
21) Hexachlorobenzene	16.34	284	874	0.292	ng	95
22) Pentachlorophenol	16.72	266	293	0.325	ng	96
23) Phenanthrene	17.08	178	15276	1.393	ng	99
24) Anthracene	17.17	178	4497	0.456	ng	# 96
26) Fluoranthene	19.11	202	26246	1.503	ng	99
28) Pyrene	19.48	202	43422	2.811	ng	# 95
30) Benzo(a)anthracene	21.21	228	25016	1.304	ng	97
31) Chrysene	21.27	228	28673	1.489	ng	99
32) Bis(2-ethylhexyl)phthalate	21.14	149	21038	0.718	ng	100
33) Indeno(1,2,3-cd)pyrene	26.20	276	15236	0.598	ng	94
35) Benzo(b)fluoranthene	22.91	252	22706	1.120	ng	# 98
36) Benzo(k)fluoranthene	22.91	252	22706	1.003	ng	96
37) Benzo(a)pyrene	23.54	252	21088	1.038	ng	# 96
38) Dibenzo(a,h)anthracene	26.22	278	7293	0.344	ng	93
39) Benzo(g,h,i)perylene	26.98	276	15675	0.719	ng	98

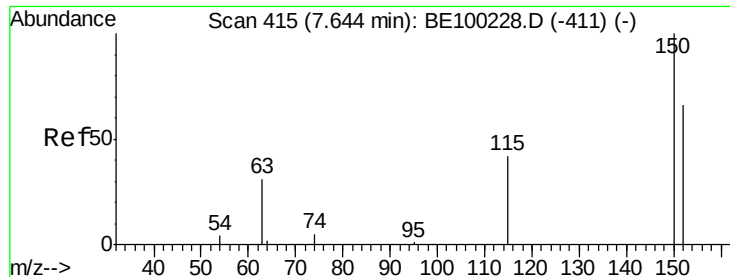
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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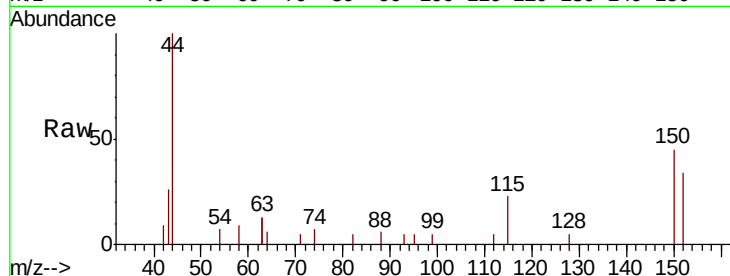


#1

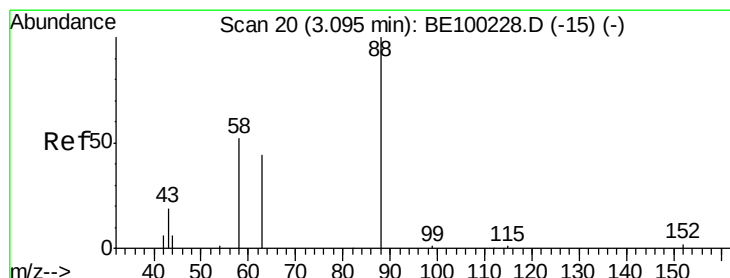
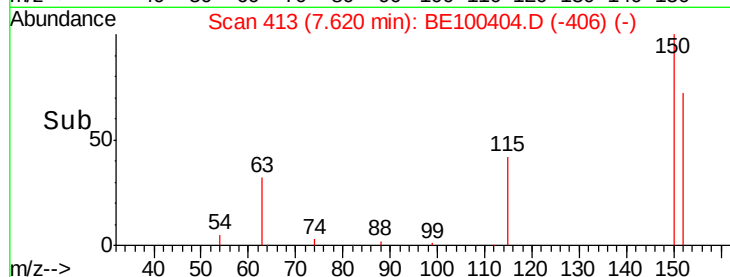
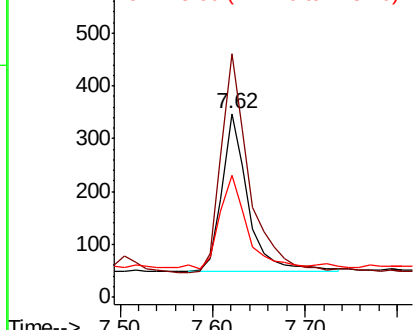
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

Tgt Ion: 152 Resp: 583
Ion Ratio Lower Upper
152 100
150 132.9 114.5 171.7
115 66.3 57.1 85.7



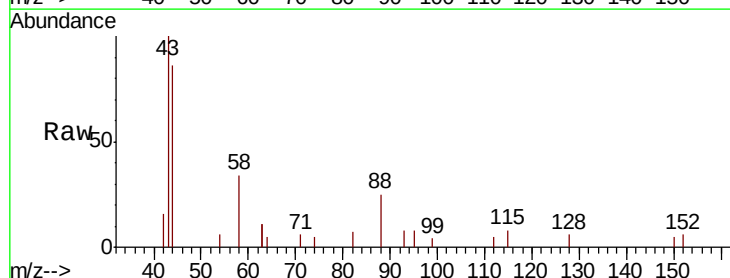
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



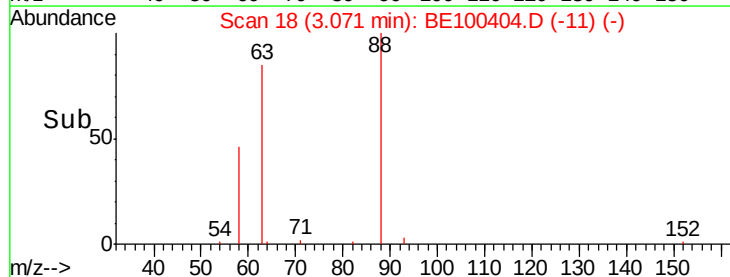
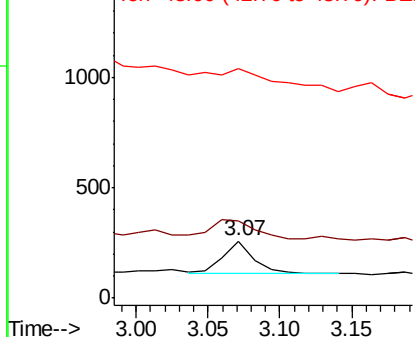
#2

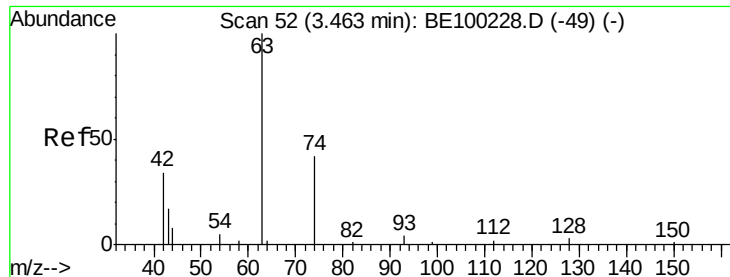
1,4-Dioxane
Concen: 0.233 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.02 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion: 88 Resp: 211
Ion Ratio Lower Upper
88 100
58 94.3 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: 0.436 ng

RT: 3.42 min Scan# 48

Delta R.T. -0.05 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

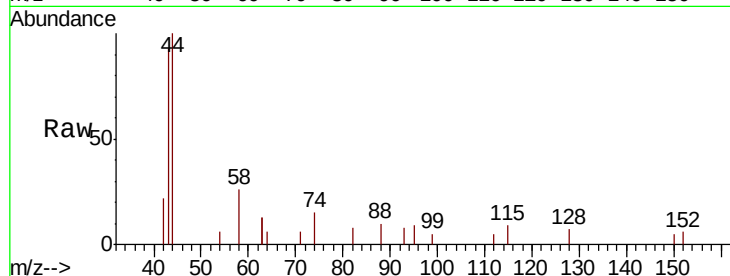
Tgt Ion: 42 Resp: 184

Ion Ratio Lower Upper

42 100

74 162.5 130.6 196.0

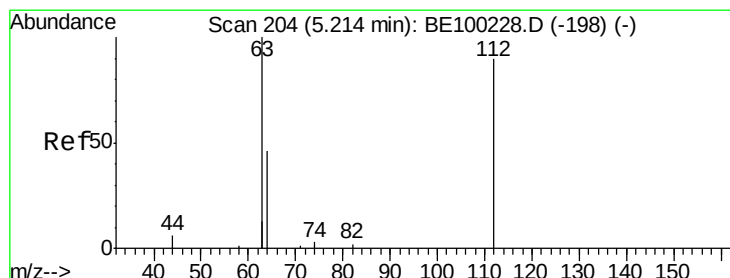
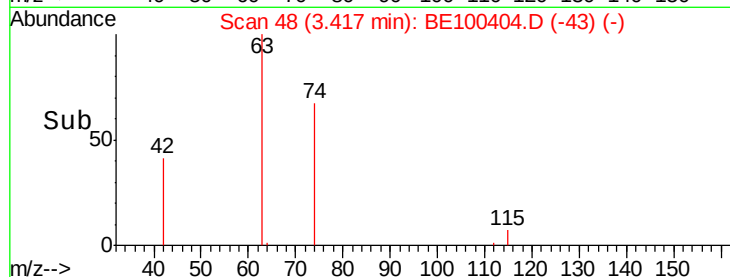
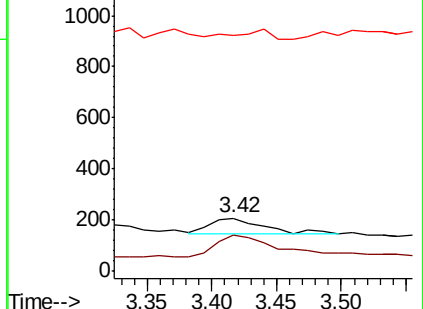
44 0.0 38.0 57.0#



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



#4

2-Fluorophenol

Concen: 0.321 ng

RT: 5.20 min Scan# 203

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

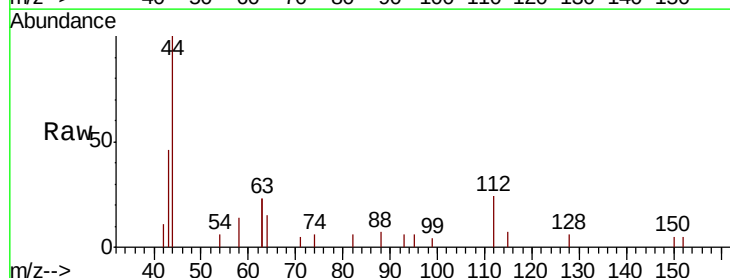
Tgt Ion: 112 Resp: 478

Ion Ratio Lower Upper

112 100

64 58.4 39.4 59.0

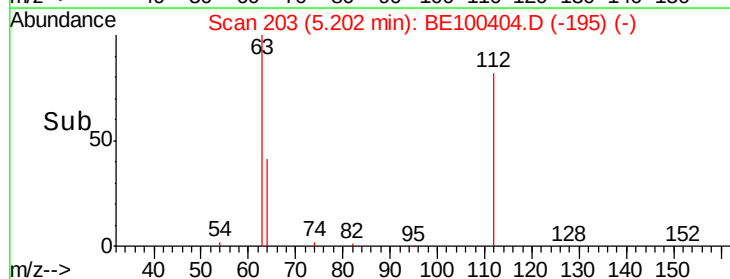
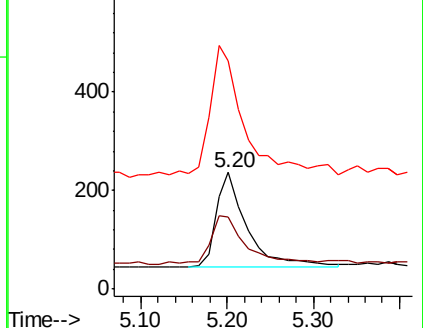
63 151.0 104.5 156.7

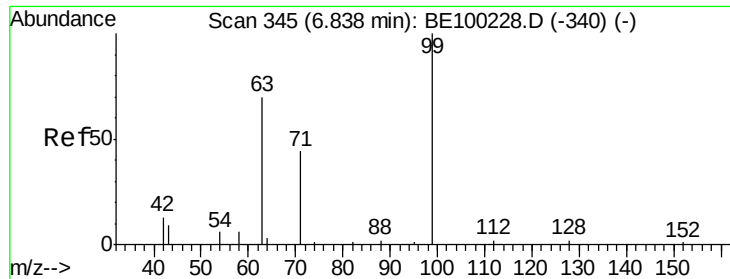


Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.338 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

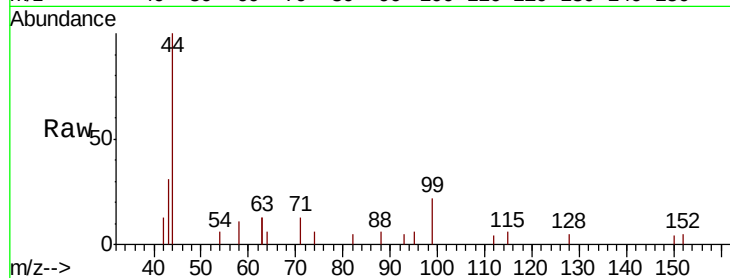
Tgt Ion: 99 Resp: 661

Ion Ratio Lower Upper

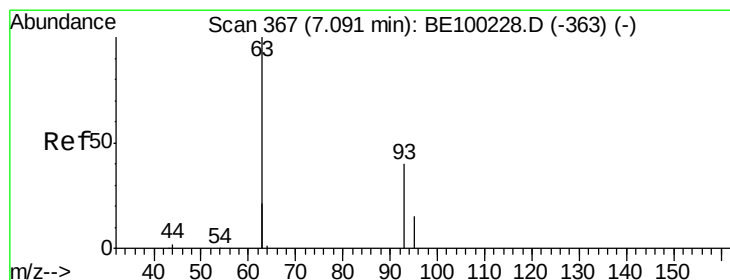
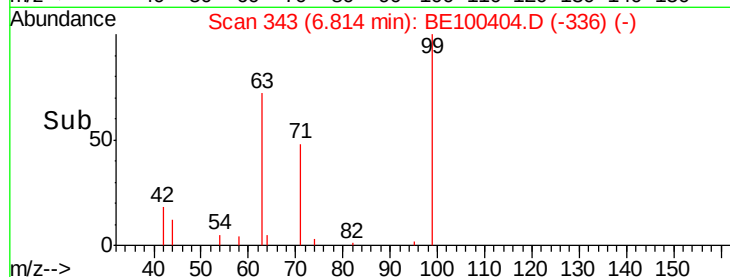
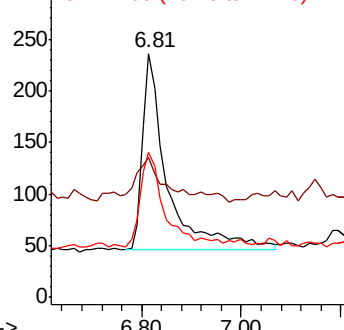
99 100

42 17.1 11.2 16.8#

71 45.4 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



#6

bis(2-Chloroethyl)ether

Concen: 0.288 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.04 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

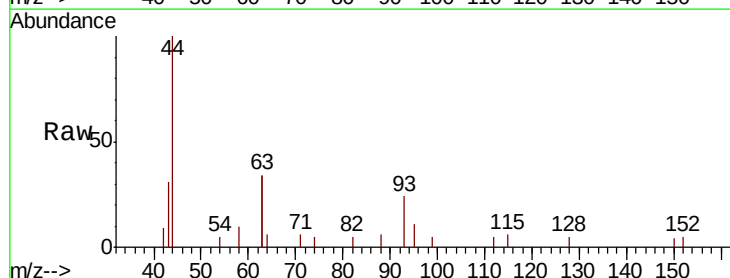
Tgt Ion: 93 Resp: 462

Ion Ratio Lower Upper

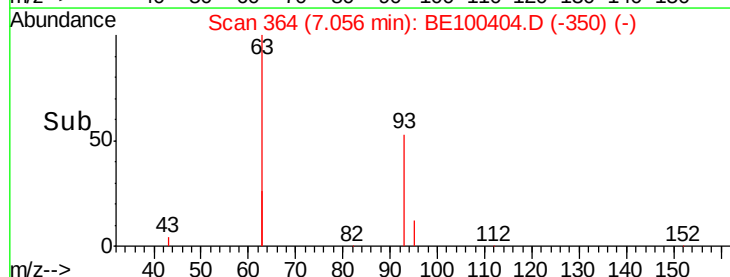
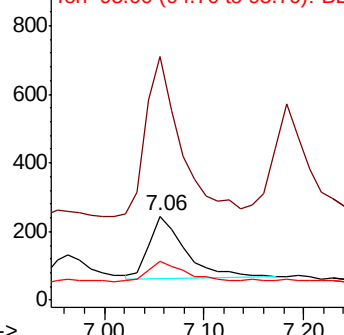
93 100

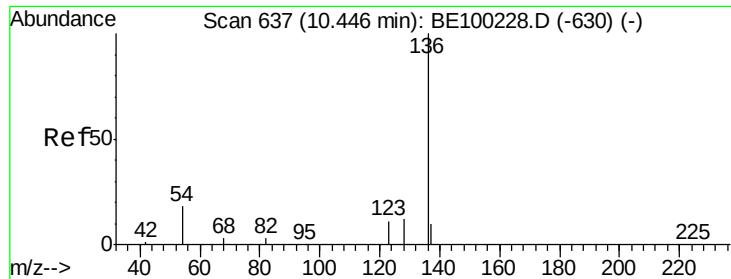
63 247.2 155.6 233.4#

95 31.6 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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

Tgt Ion: 136 Resp: 1964

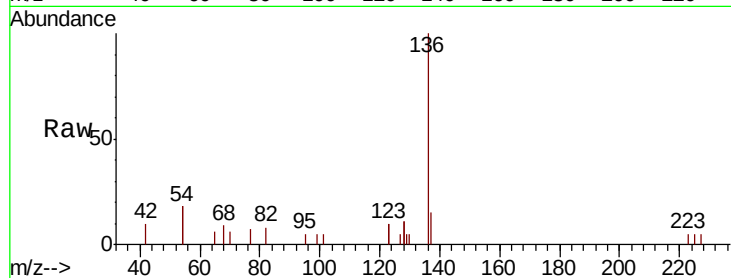
Ion Ratio Lower Upper

136 100

137 15.1 11.8 17.8

54 36.3 27.7 41.5

68 9.2 6.8 10.2

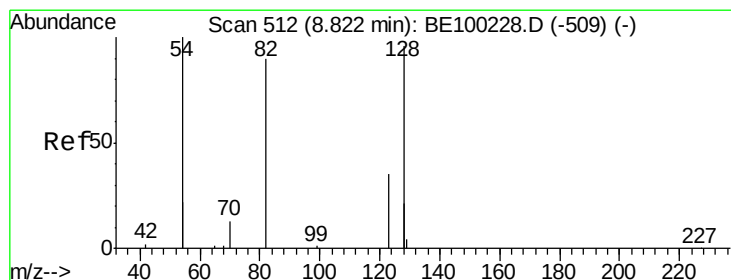
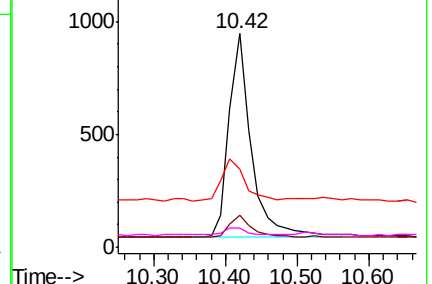
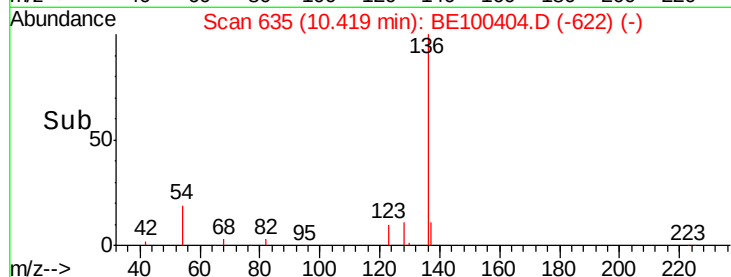


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.260 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

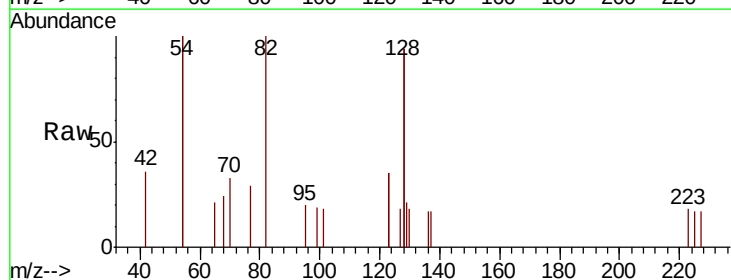
Tgt Ion: 82 Resp: 507

Ion Ratio Lower Upper

82 100

128 187.8 140.9 211.3

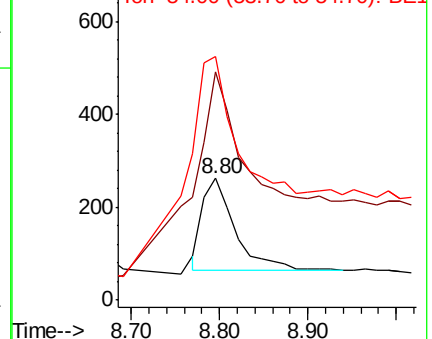
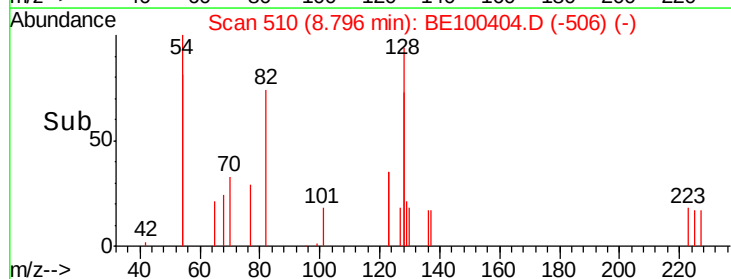
54 200.0 146.2 219.2

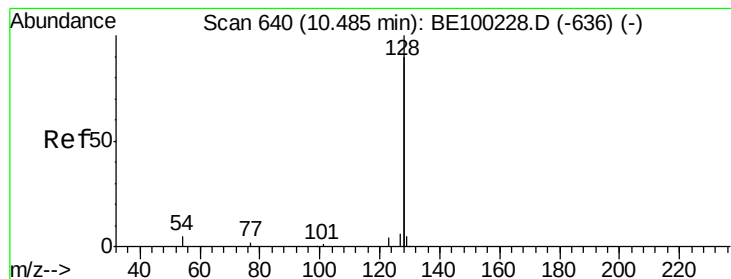


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.344 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

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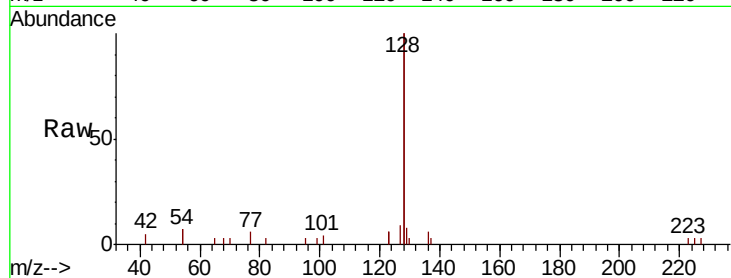
Tgt Ion:128 Resp: 7446

Ion Ratio Lower Upper

128 100

129 4.0 3.0 4.6

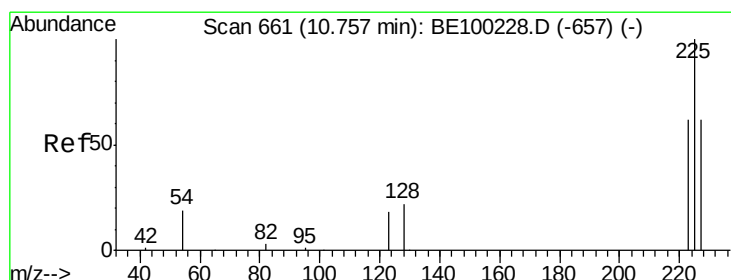
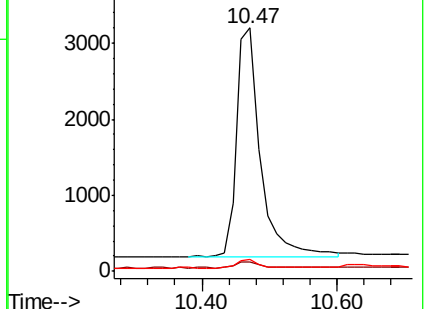
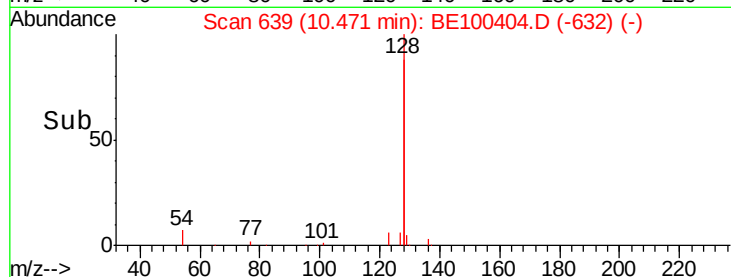
127 4.7 3.5 5.3



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: 0.330 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

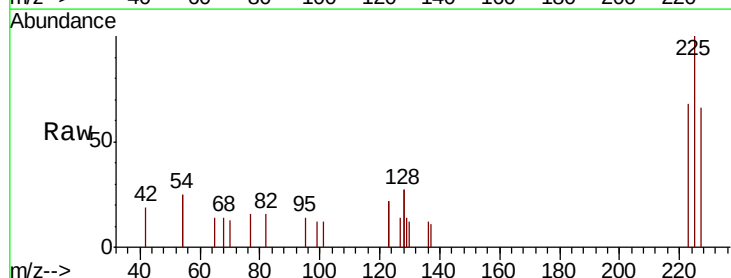
Tgt Ion:225 Resp: 689

Ion Ratio Lower Upper

225 100

223 62.0 49.1 73.7

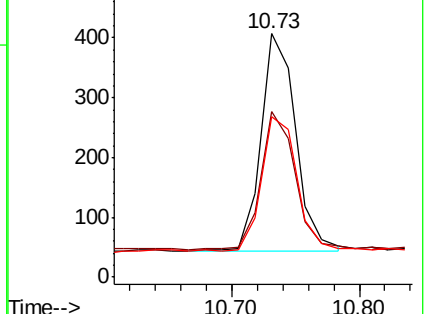
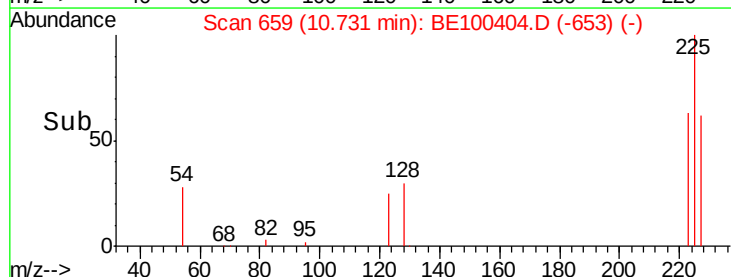
227 62.7 49.3 73.9

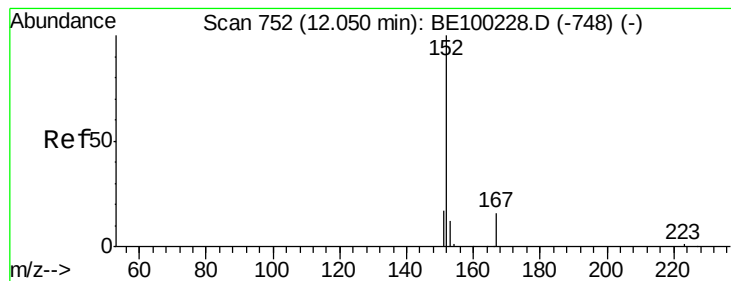


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

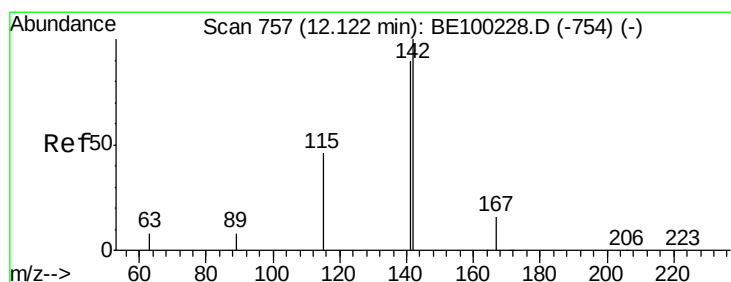
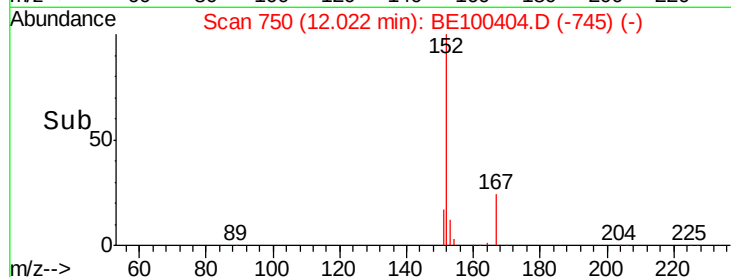
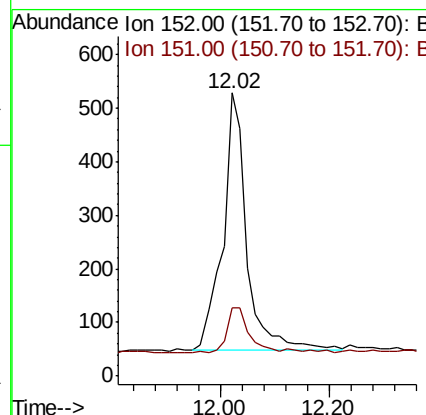
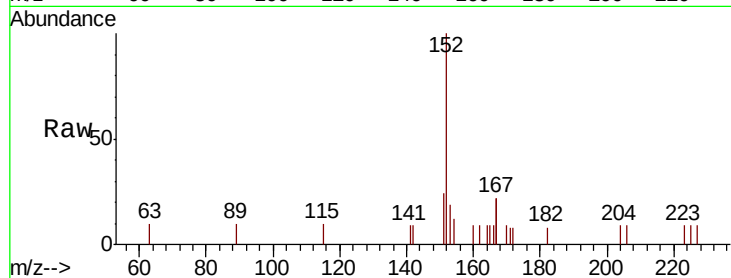




#11
 2-Methylnaphthalene-d10
 Concen: 0.397 ng
 RT: 12.02 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BE100404.D
 Acq: 6 Jul 2019 5:31

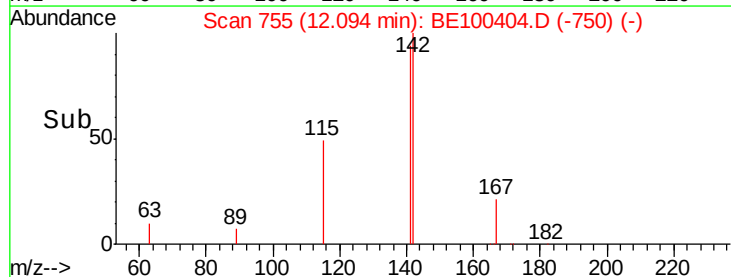
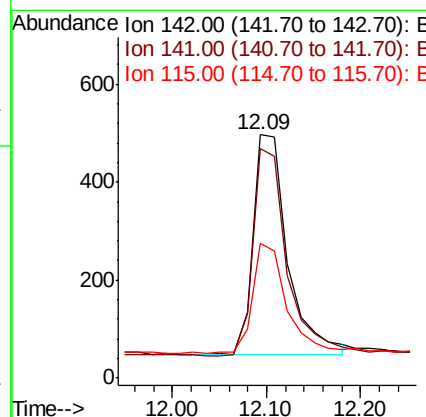
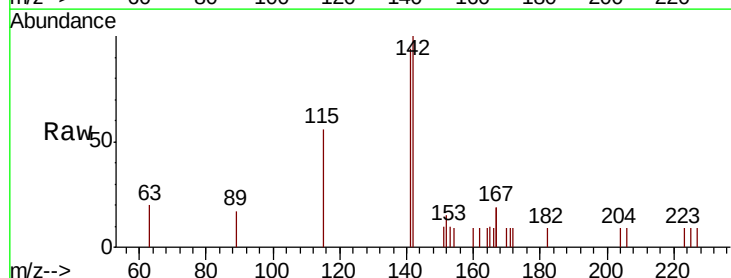
Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW099-062519MSD

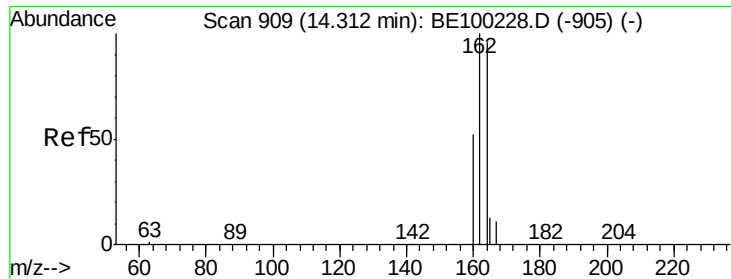
Tgt Ion:152 Resp: 1465
 Ion Ratio Lower Upper
 152 100
 151 16.7 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.303 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: BE100404.D
 Acq: 6 Jul 2019 5:31

Tgt Ion:142 Resp: 1151
 Ion Ratio Lower Upper
 142 100
 141 94.2 72.4 108.6
 115 55.5 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

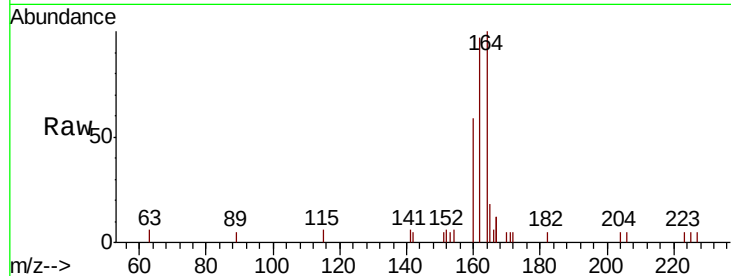
Tgt Ion:164 Resp: 1424

Ion Ratio Lower Upper

164 100

162 96.8 83.4 125.0

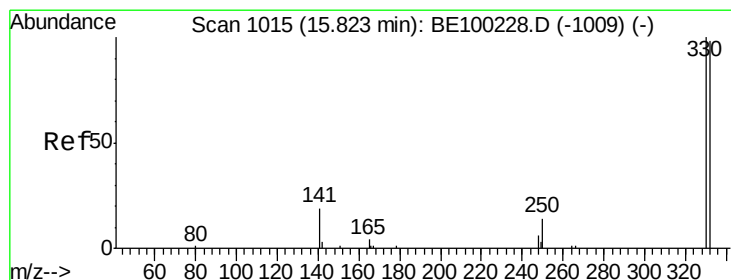
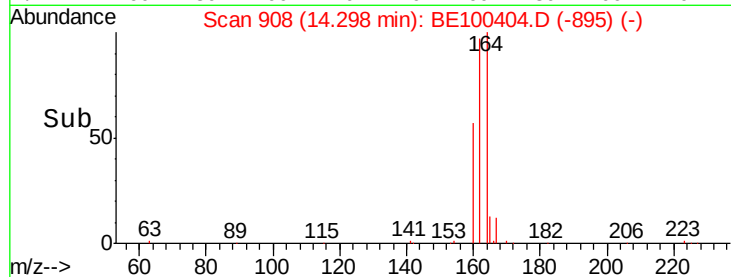
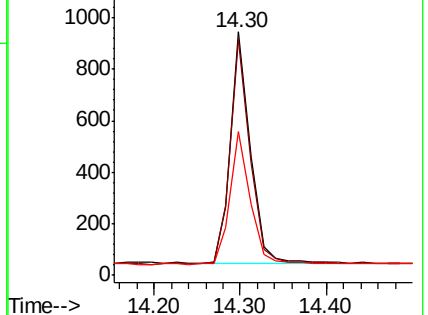
160 59.0 45.0 67.6



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: 0.354 ng

RT: 15.80 min Scan# 1013

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

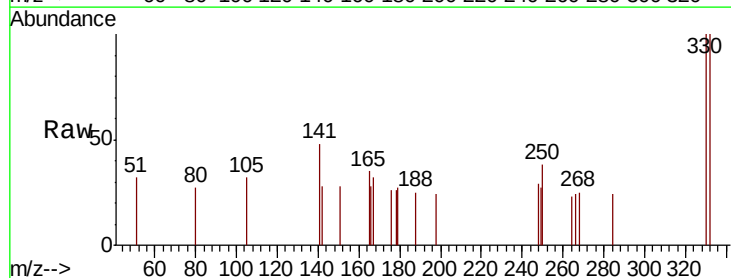
Tgt Ion:330 Resp: 353

Ion Ratio Lower Upper

330 100

332 109.3 77.0 115.4

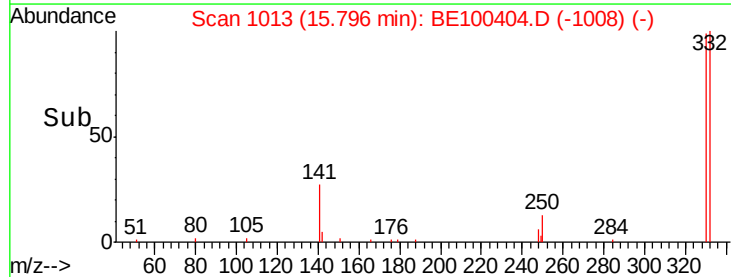
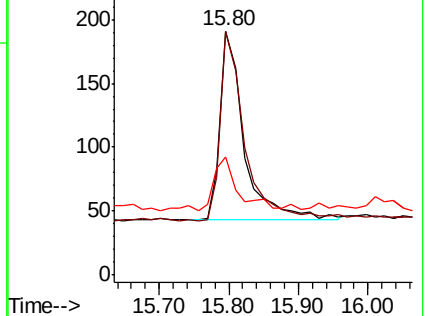
141 28.3 22.0 33.0

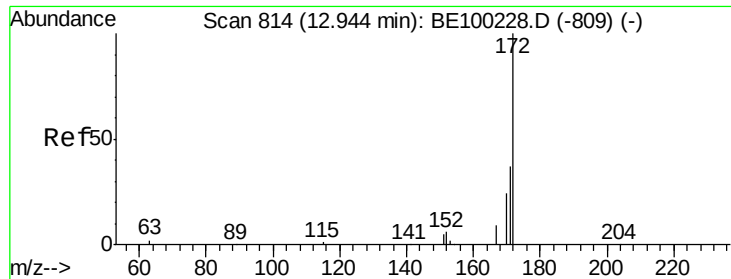


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

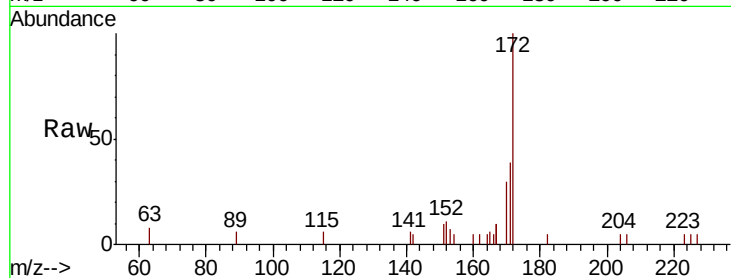




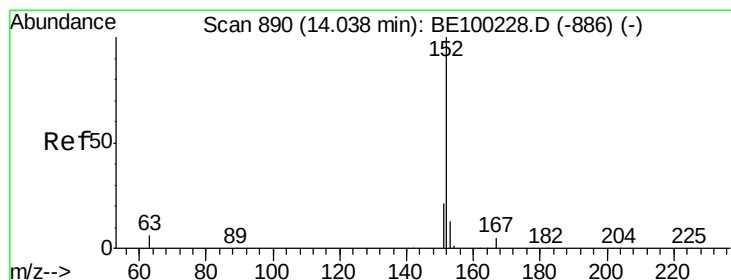
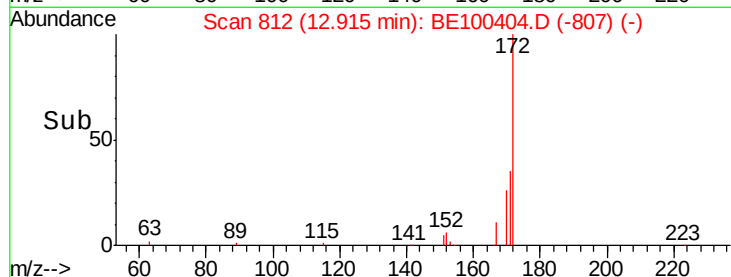
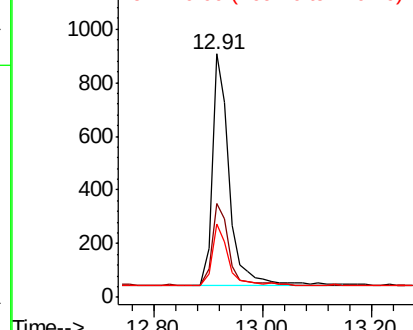
#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 12.91 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

Tgt Ion:172 Resp: 1884
Ion Ratio Lower Upper
172 100
171 38.6 31.9 47.9
170 30.1 22.2 33.2

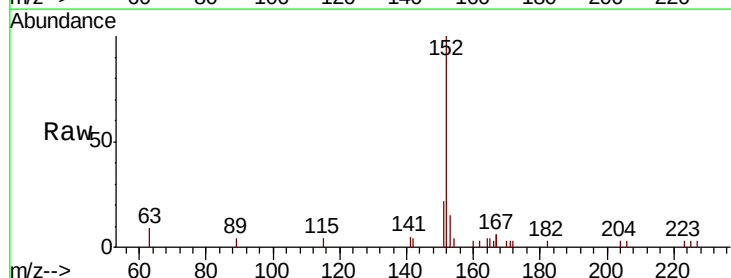


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

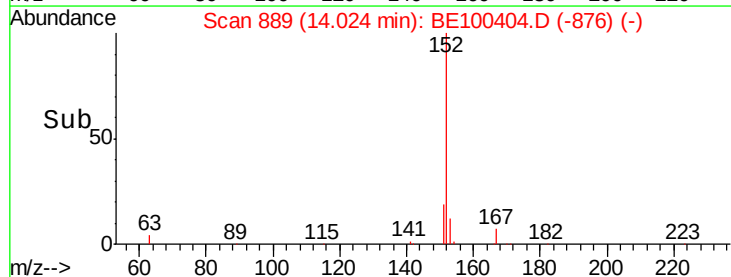
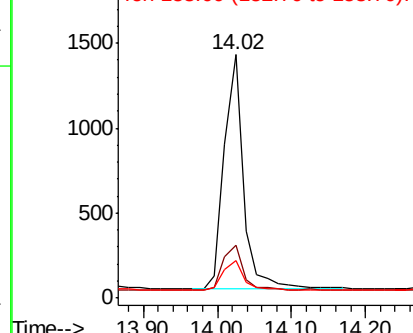


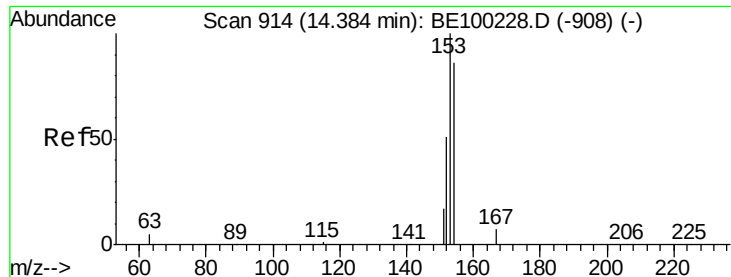
#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:152 Resp: 2492
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0
153 13.9 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

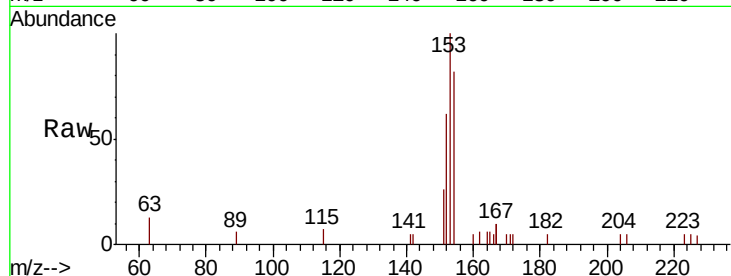




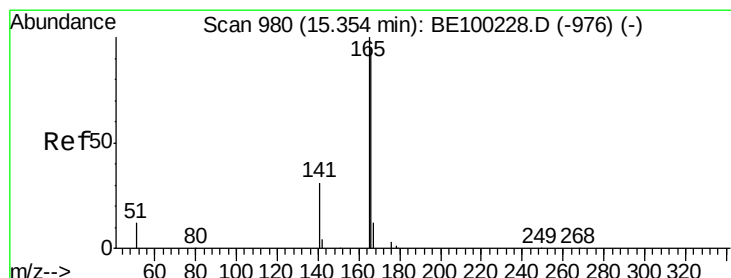
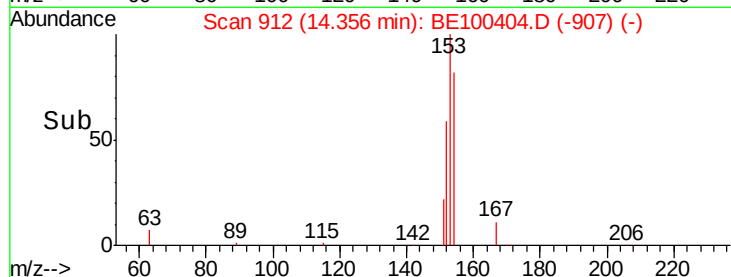
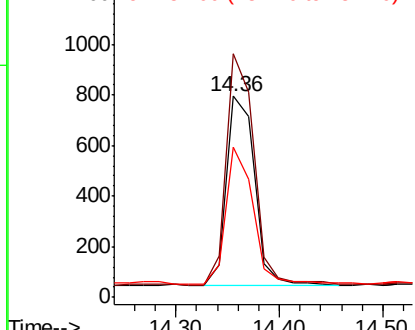
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

Tgt Ion:154 Resp: 1400
Ion Ratio Lower Upper
154 100
153 121.6 93.4 140.2
152 69.2 49.4 74.2

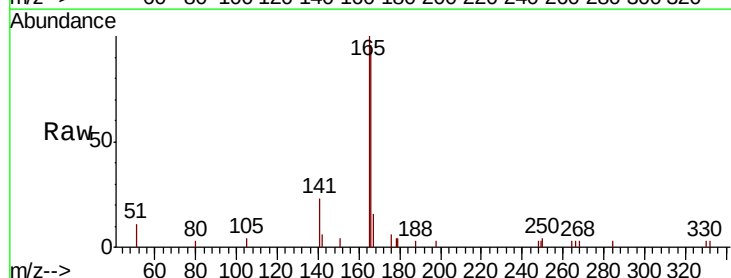


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

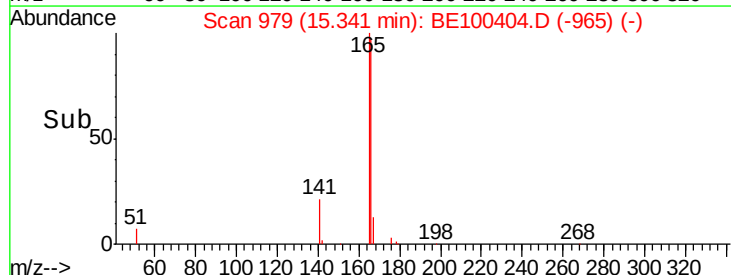
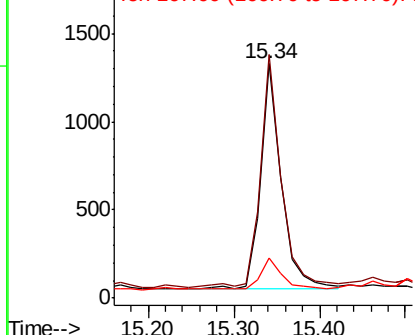


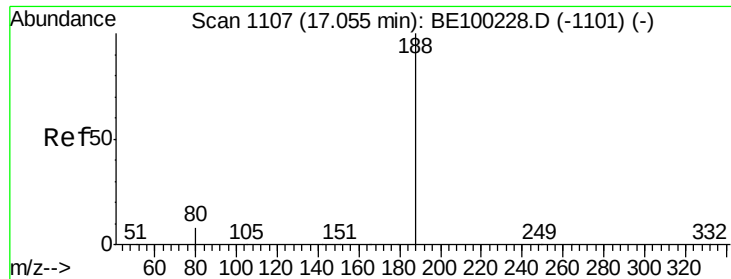
#18
Fluorene
Concen: 0.374 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:166 Resp: 2141
Ion Ratio Lower Upper
166 100
165 102.7 81.1 121.7
167 14.3 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

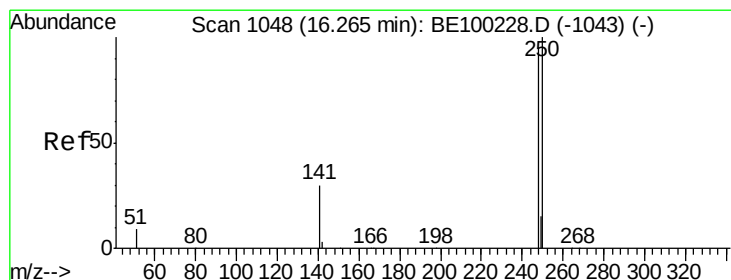
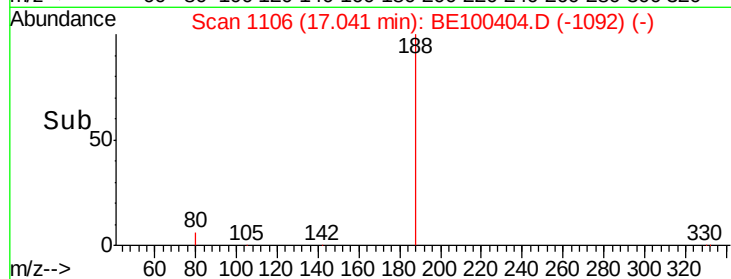
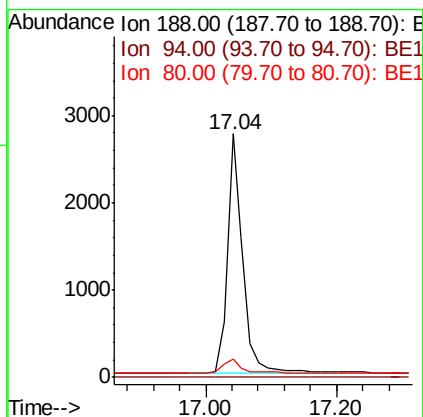
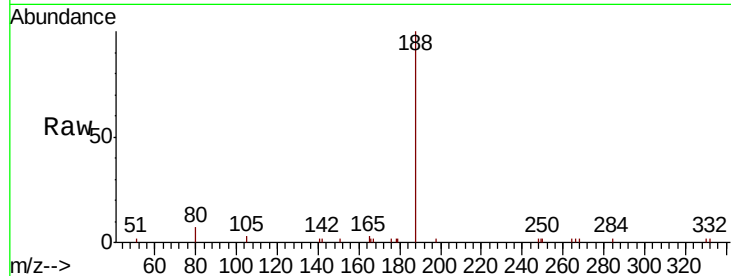




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

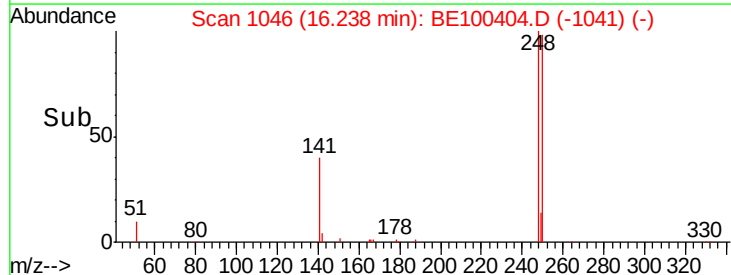
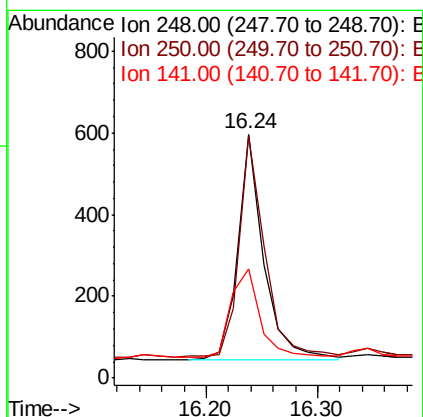
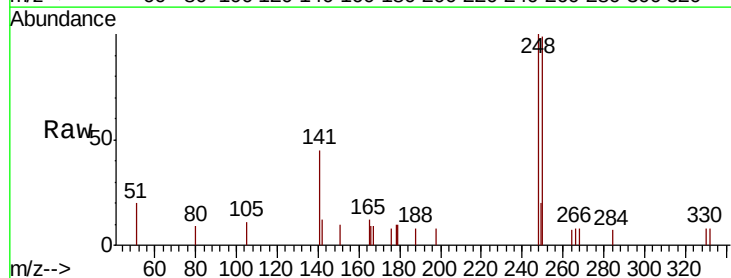
Instrument :
BNA_E
ClientSampleId :
EXT-016-SW099-062519MSD

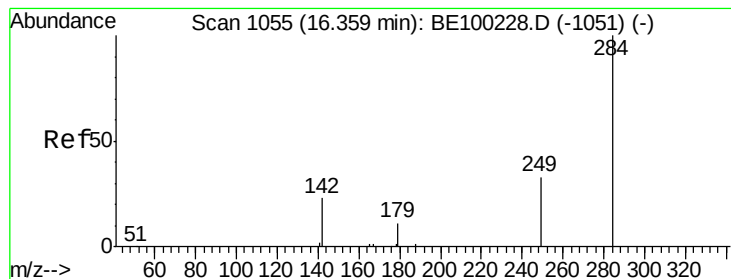
Tgt Ion:188 Resp: 4523
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.5 7.6 11.4#



#20
4-Bromophenyl-phenylether
Concen: 0.306 ng
RT: 16.24 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BE100404.D
Acq: 6 Jul 2019 5:31

Tgt Ion:248 Resp: 882
Ion Ratio Lower Upper
248 100
250 99.3 84.2 126.4
141 45.0 29.3 43.9#





#21

Hexachlorobenzene

Concen: 0.292 ng

RT: 16.34 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

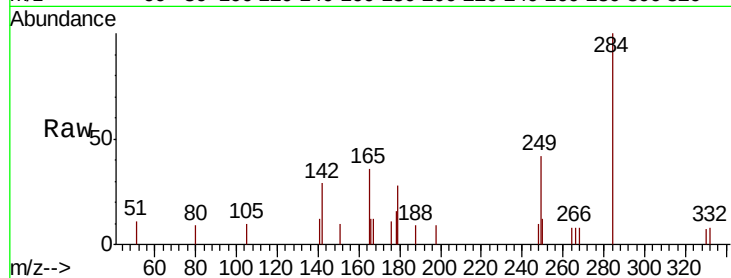
Tgt Ion:284 Resp: 874

Ion Ratio Lower Upper

284 100

142 22.9 18.8 28.2

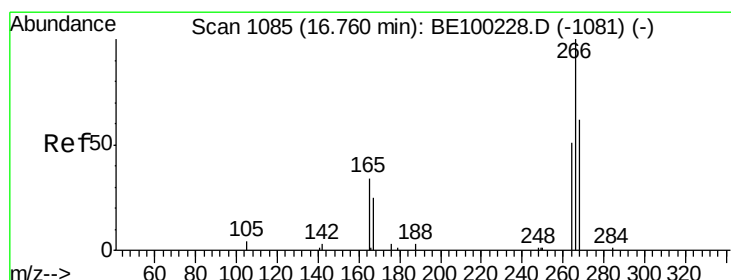
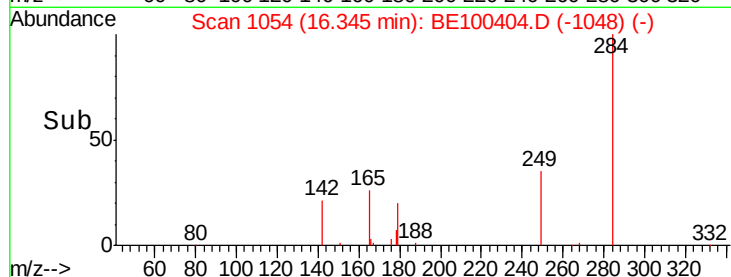
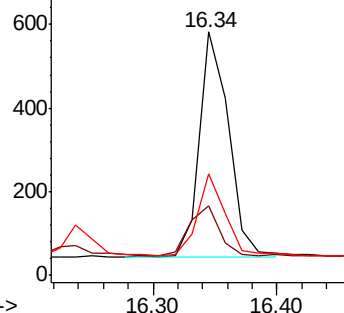
249 34.3 23.7 35.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.325 ng

RT: 16.72 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

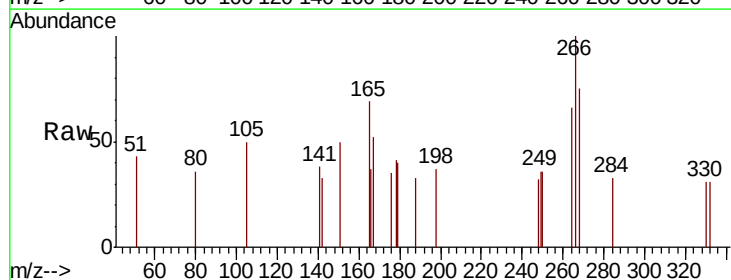
Tgt Ion:266 Resp: 293

Ion Ratio Lower Upper

266 100

264 65.7 56.2 84.2

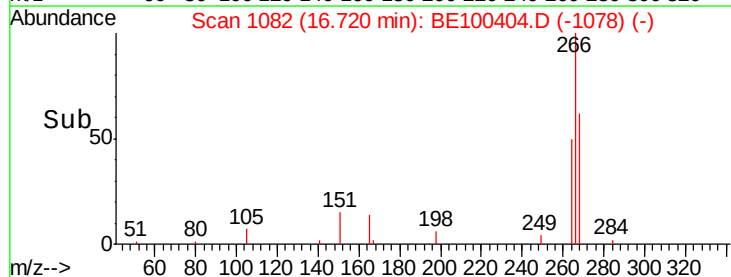
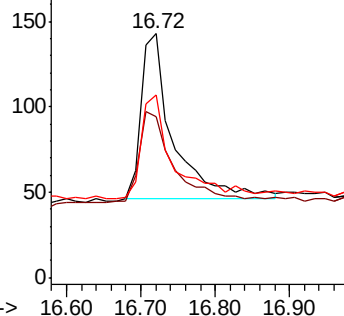
268 74.8 61.8 92.6

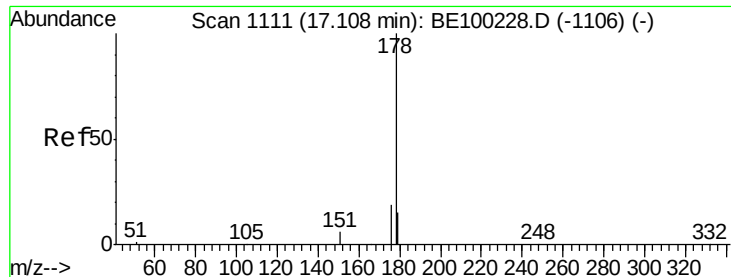


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.393 ng

RT: 17.08 min Scan# 1109

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

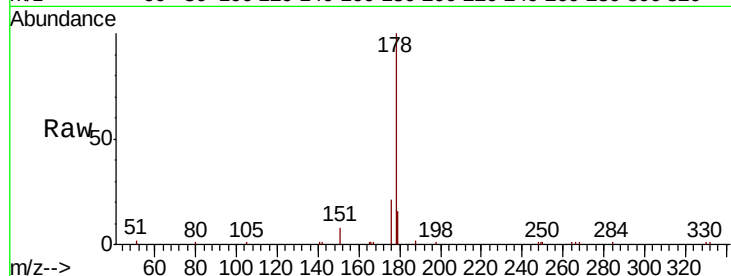
Tgt Ion:178 Resp: 15276

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

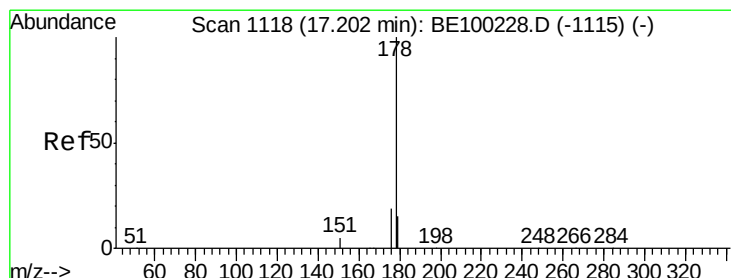
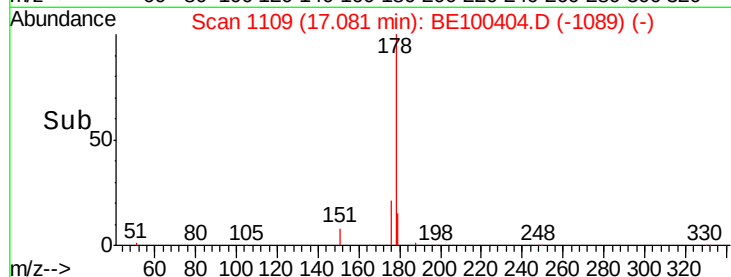
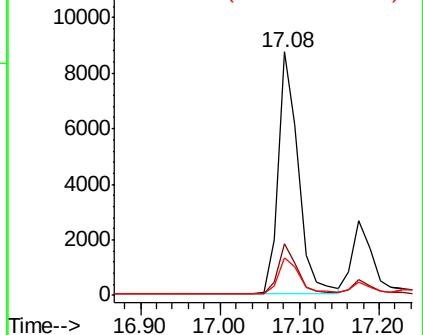
179 15.9 12.2 18.2



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: 0.456 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

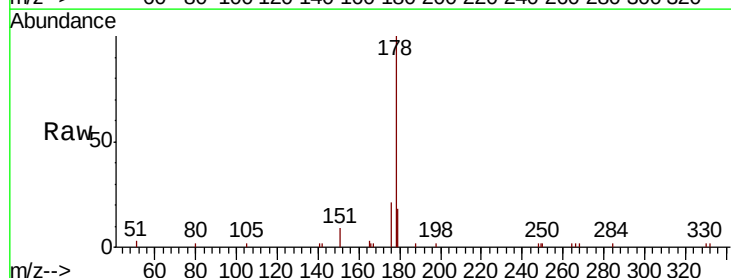
Tgt Ion:178 Resp: 4497

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

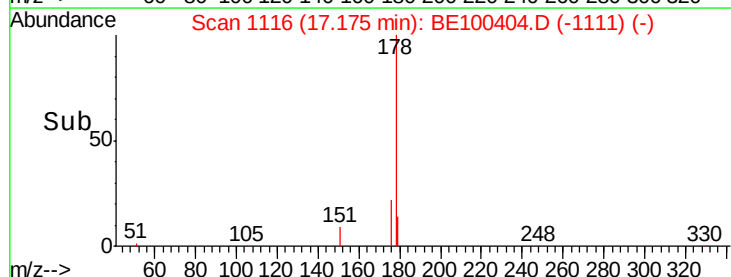
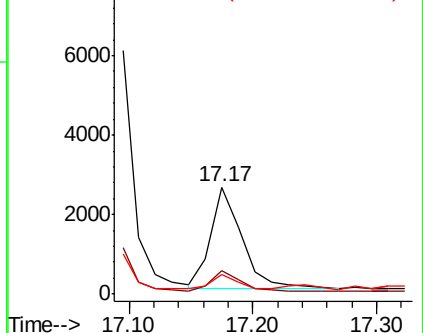
179 11.5 12.2 18.2#

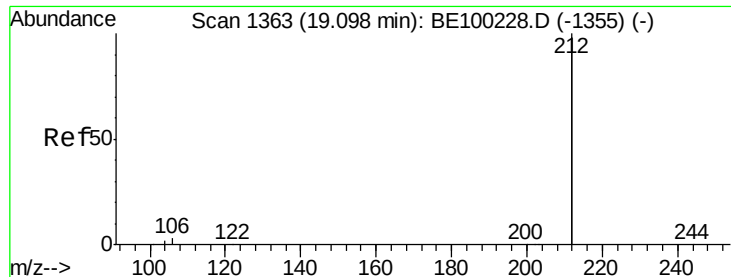


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.275 ng

RT: 19.08 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

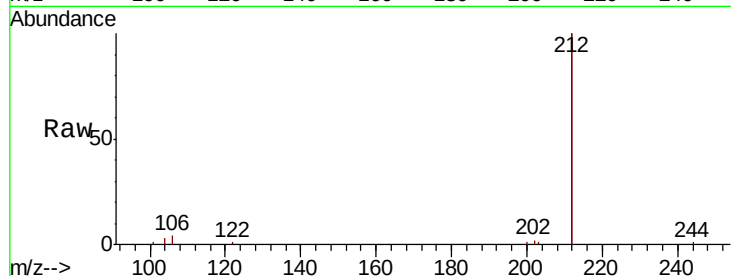
Tgt Ion: 212 Resp: 18071

Ion Ratio Lower Upper

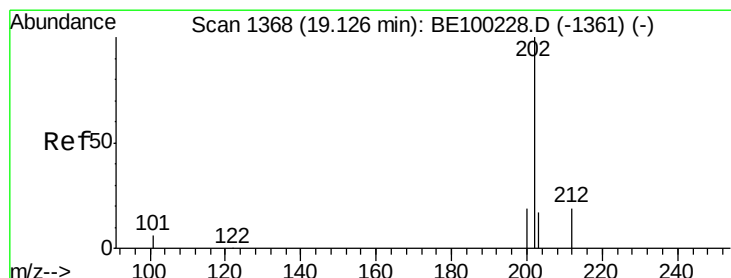
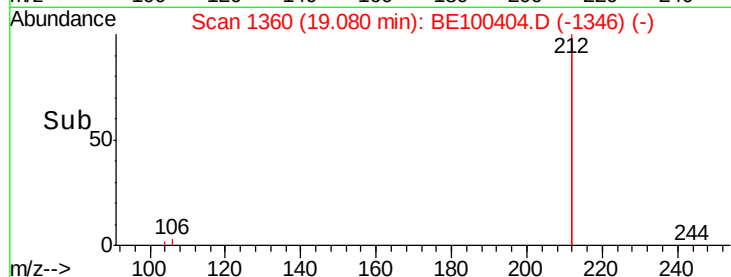
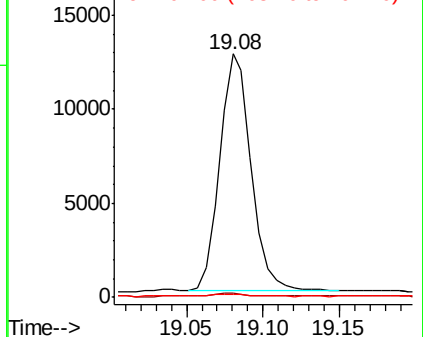
212 100

106 1.6 1.3 1.9

104 0.9 0.8 1.2



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: 1.503 ng

RT: 19.11 min Scan# 1365

Delta R.T. -0.02 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

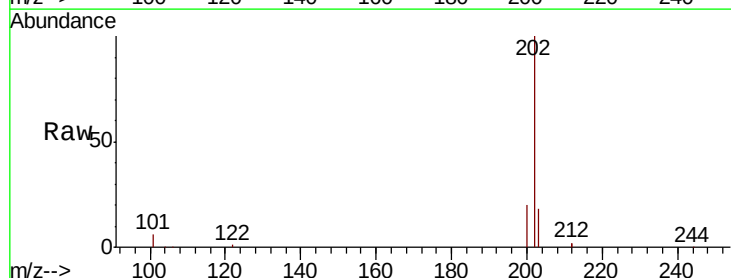
Tgt Ion: 202 Resp: 26246

Ion Ratio Lower Upper

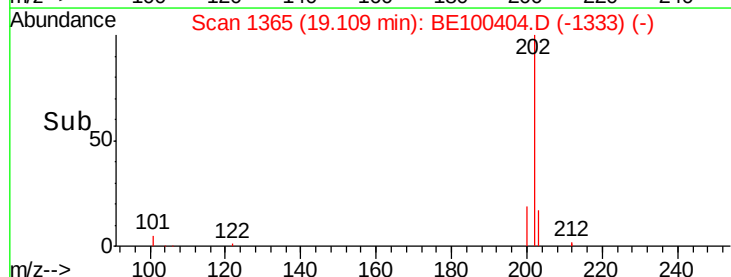
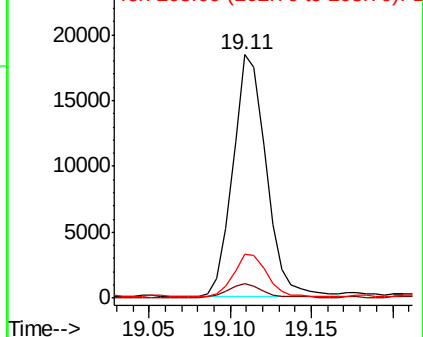
202 100

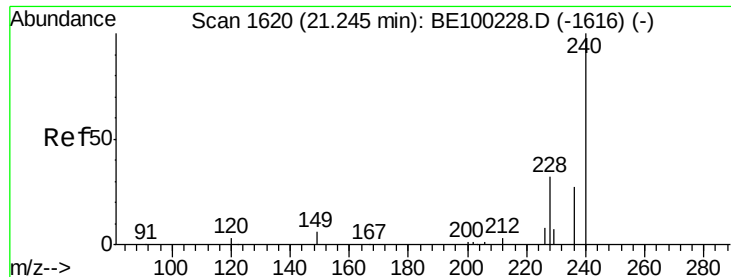
101 5.2 4.6 7.0

203 17.5 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: 21.23 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

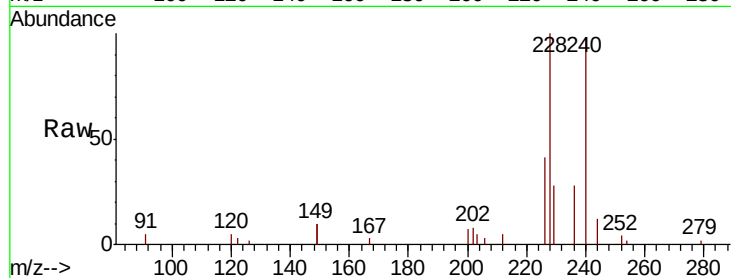
Tgt Ion:240 Resp: 5834

Ion Ratio Lower Upper

240 100

120 4.7 3.3 4.9

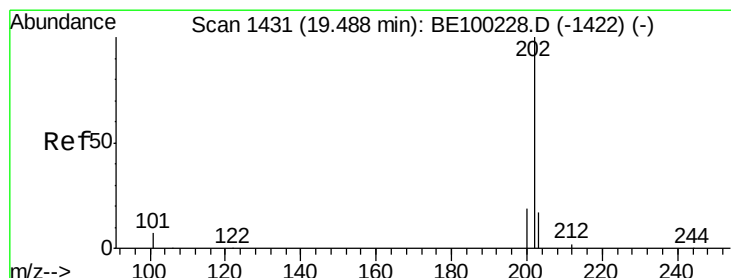
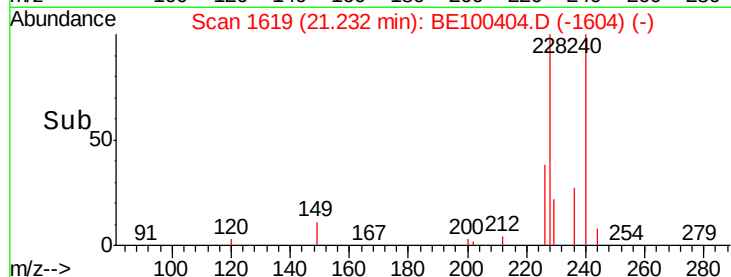
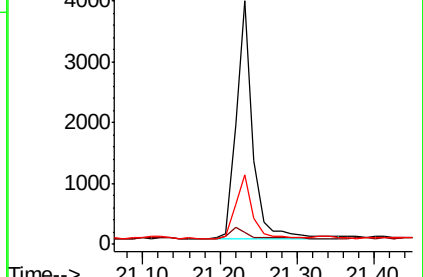
236 28.7 22.6 34.0



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

Pyrene

Concen: 2.811 ng

RT: 19.48 min Scan# 1429

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

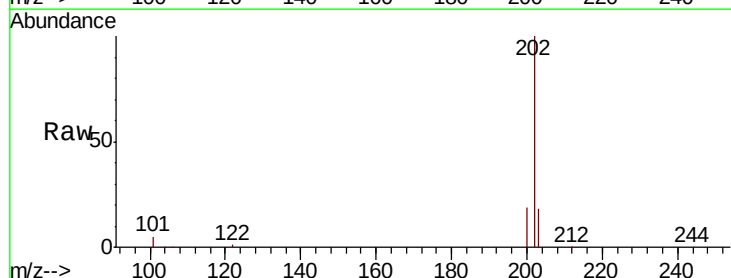
Tgt Ion:202 Resp: 43422

Ion Ratio Lower Upper

202 100

200 19.7 15.6 23.4

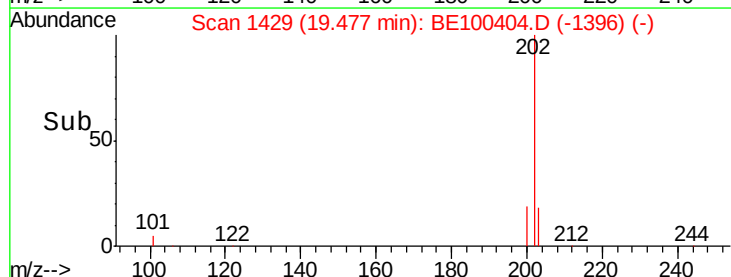
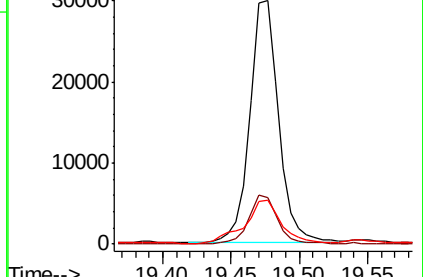
203 22.2 14.0 21.0#

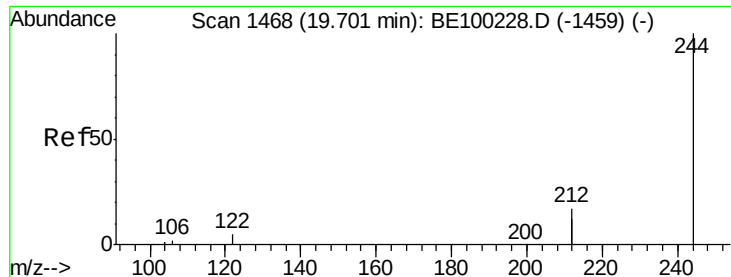


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.345 ng

RT: 19.68 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

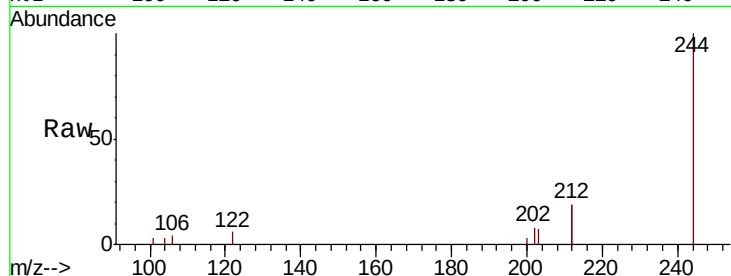
Tgt Ion:244 Resp: 4167

Ion Ratio Lower Upper

244 100

212 38.3 27.3 40.9

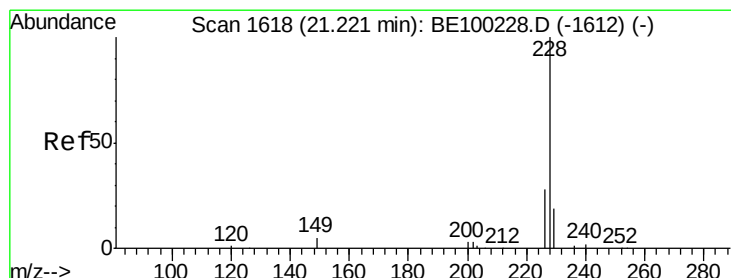
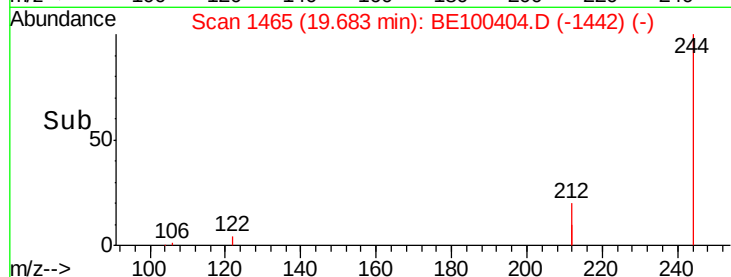
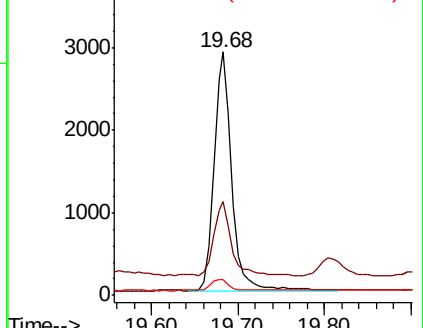
122 6.2 4.7 7.1



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: 1.304 ng

RT: 21.21 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

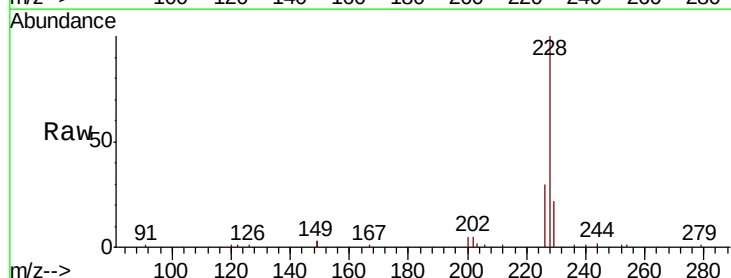
Tgt Ion:228 Resp: 25016

Ion Ratio Lower Upper

228 100

226 29.8 23.2 34.8

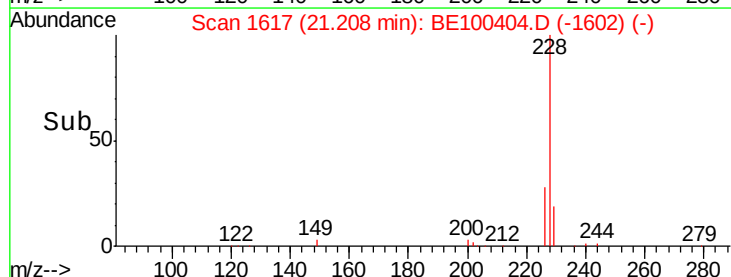
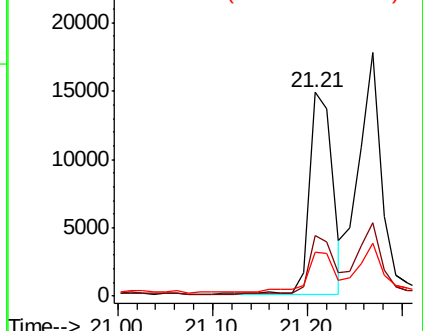
229 21.5 15.7 23.5

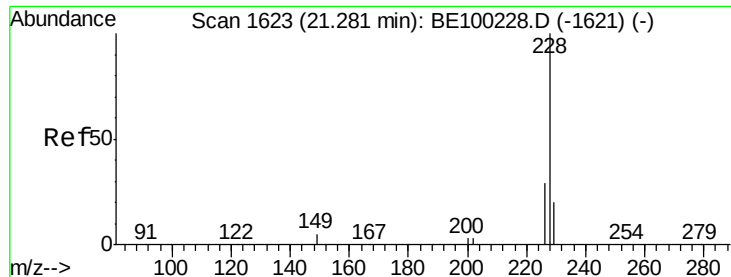


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.489 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

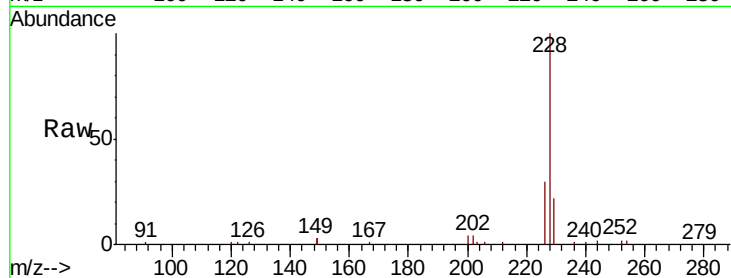
Tgt Ion: 228 Resp: 28673

Ion Ratio Lower Upper

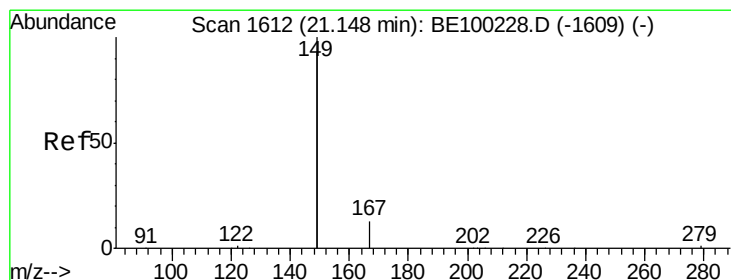
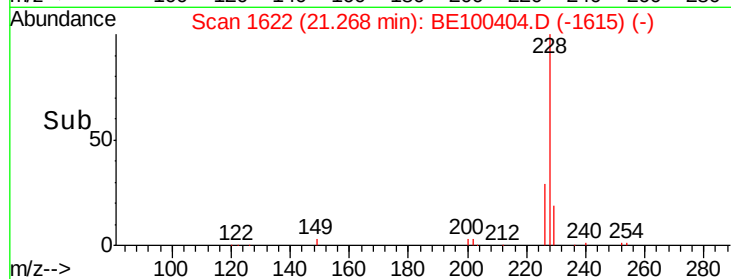
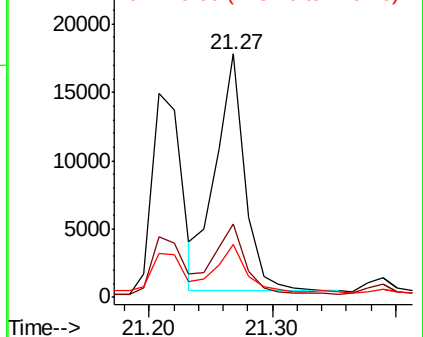
228 100

226 30.3 23.9 35.9

229 21.5 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: 0.718 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

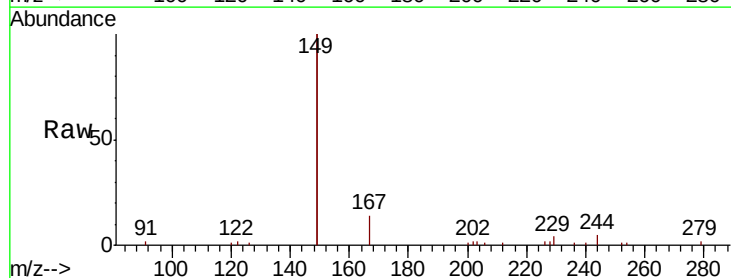
Tgt Ion: 149 Resp: 21038

Ion Ratio Lower Upper

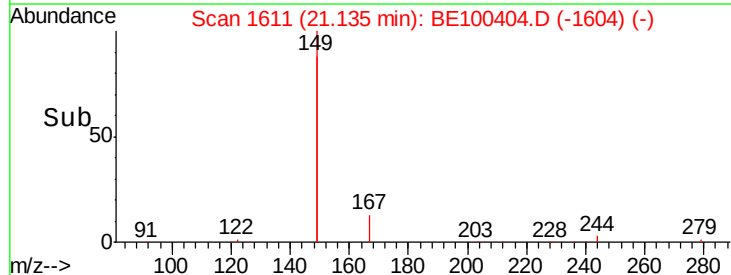
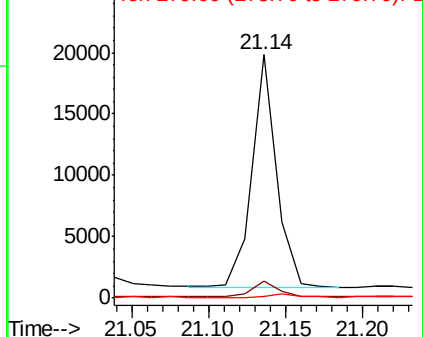
149 100

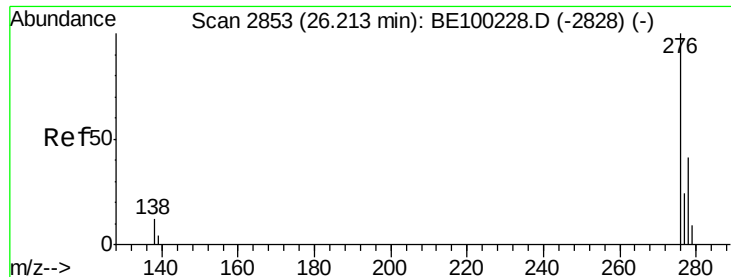
167 7.1 5.8 8.8

279 1.4 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: 0.598 ng

RT: 26.20 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

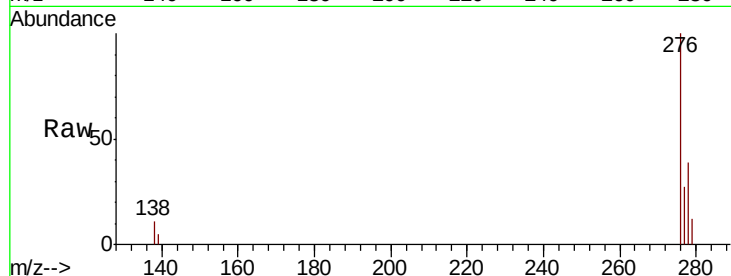
Tgt Ion:276 Resp: 15236

Ion Ratio Lower Upper

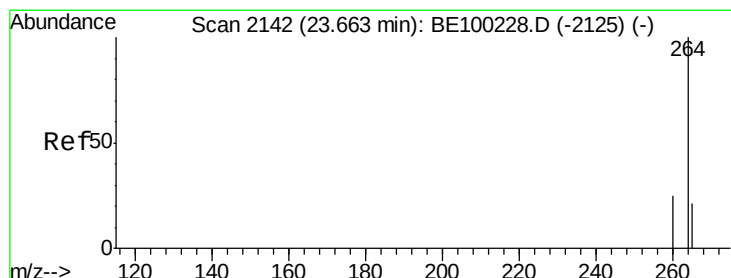
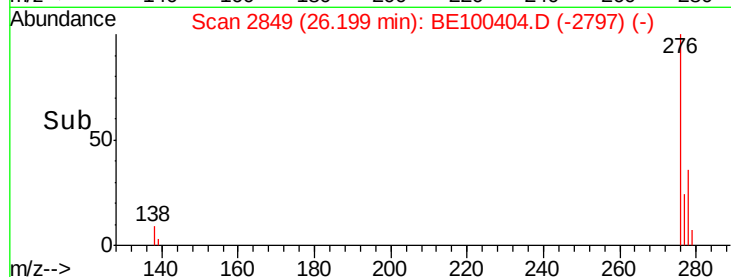
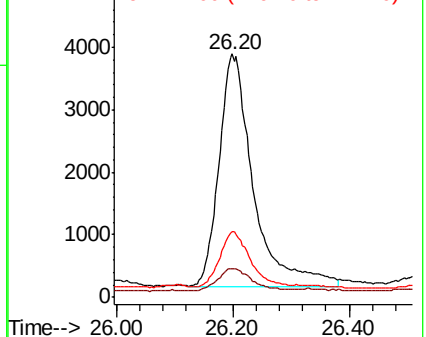
276 100

138 9.4 9.4 14.0

277 21.3 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

Perylene-d12

Concen: 0.400 ng

RT: 23.65 min Scan# 2138

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

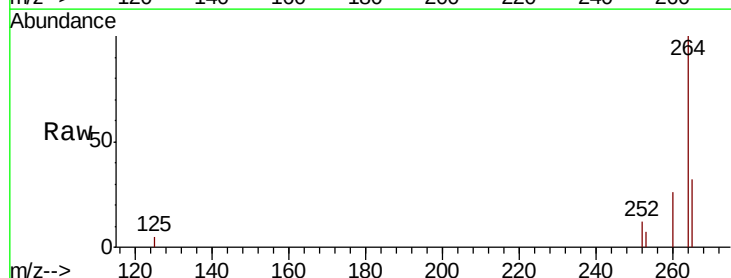
Tgt Ion:264 Resp: 7478

Ion Ratio Lower Upper

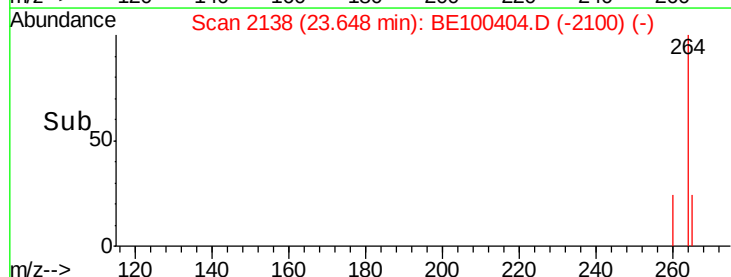
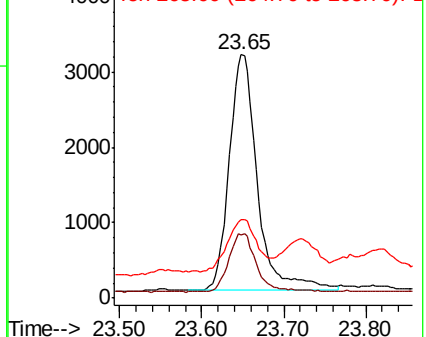
264 100

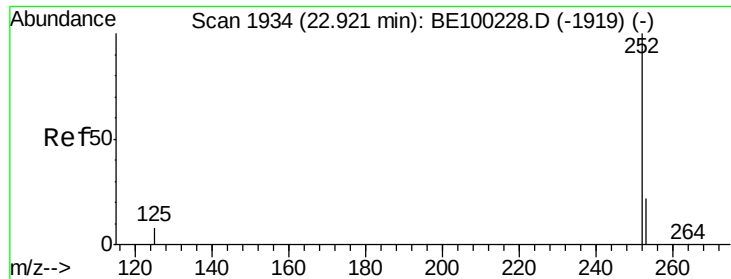
260 25.9 20.8 31.2

265 32.3 21.8 32.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.120 ng

RT: 22.91 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

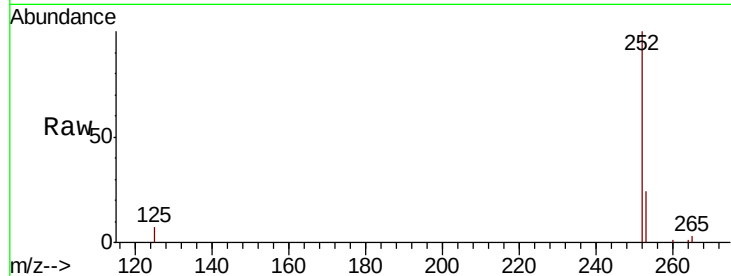
Tgt Ion:252 Resp: 22706

Ion Ratio Lower Upper

252 100

253 24.3 19.2 28.8

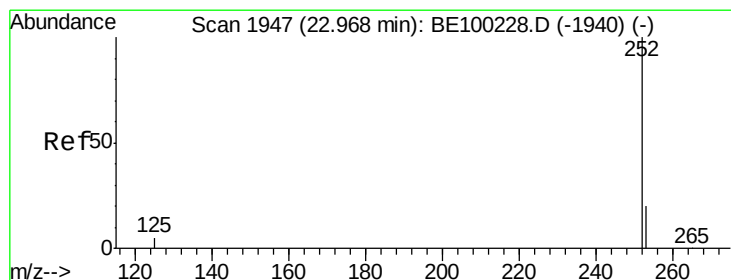
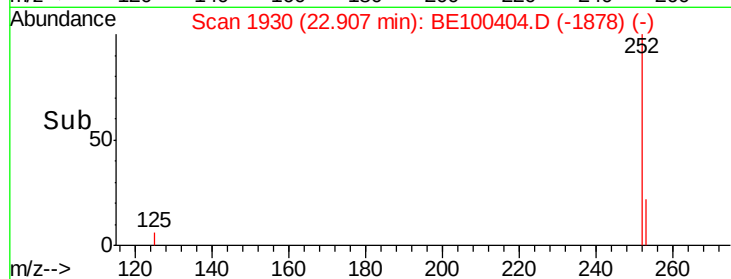
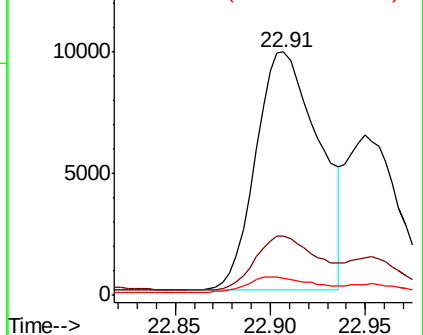
125 7.2 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.003 ng

RT: 22.91 min Scan# 1930

Delta R.T. -0.06 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

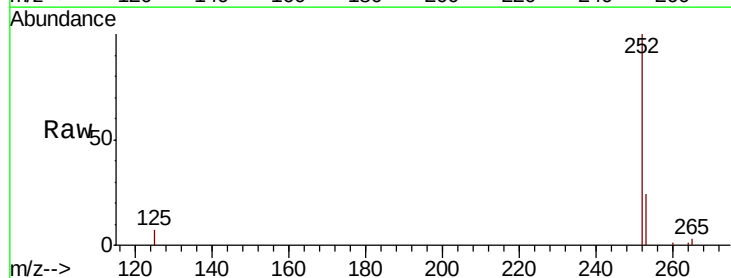
Tgt Ion:252 Resp: 22706

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

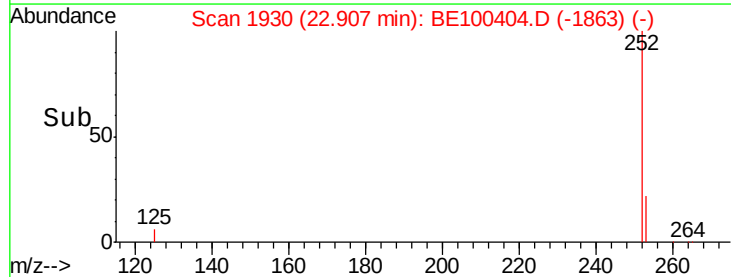
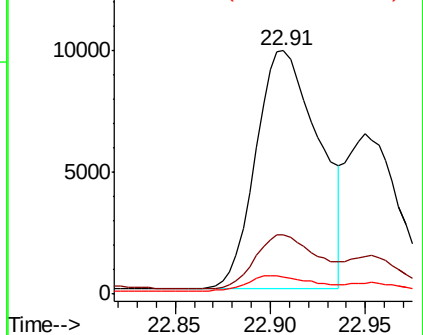
125 7.2 5.0 7.4

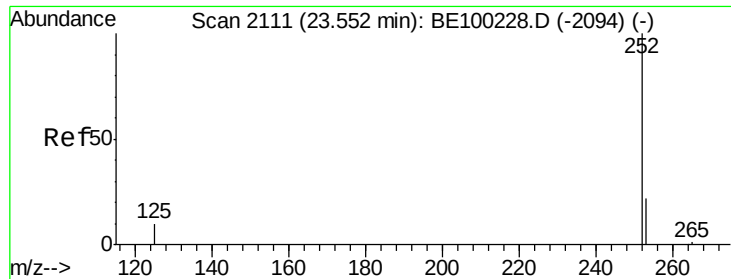


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.038 ng

RT: 23.54 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD

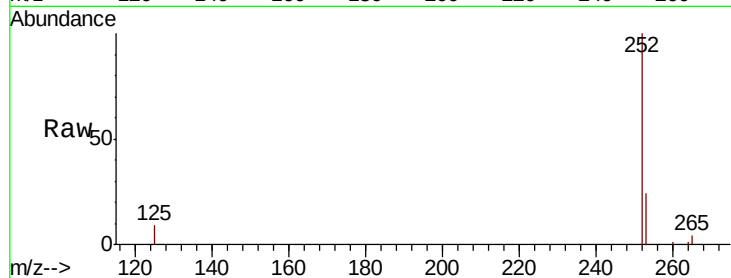
Tgt Ion:252 Resp: 21088

Ion Ratio Lower Upper

252 100

253 23.5 19.6 29.4

125 8.5 9.0 13.6#

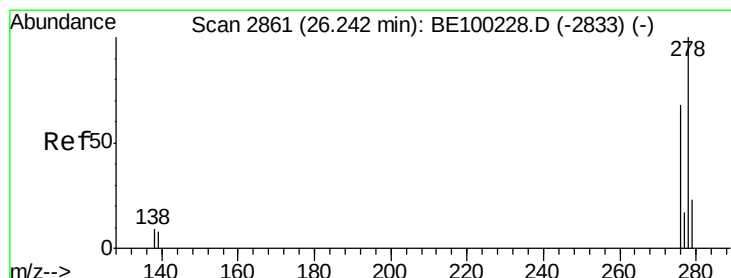
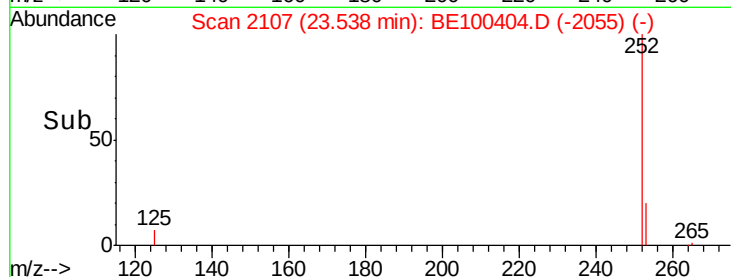
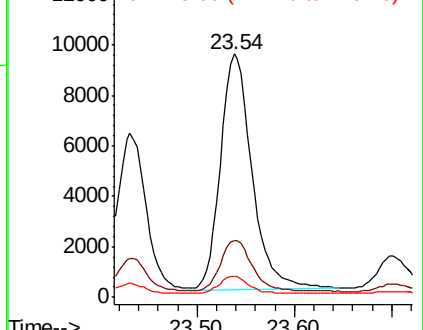


Abundance

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: 0.344 ng

RT: 26.22 min Scan# 2854

Delta R.T. -0.03 min

Lab File: BE100404.D

Acq: 6 Jul 2019 5:31

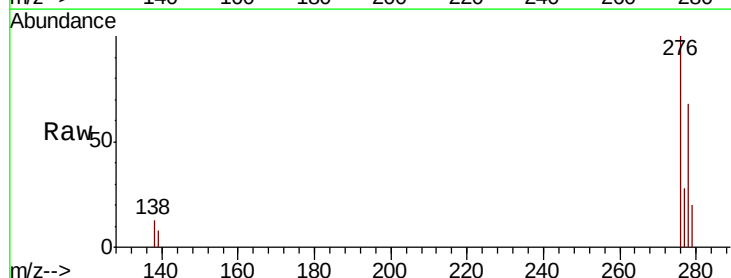
Tgt Ion:278 Resp: 7293

Ion Ratio Lower Upper

278 100

139 11.4 8.2 12.2

279 29.5 20.3 30.5

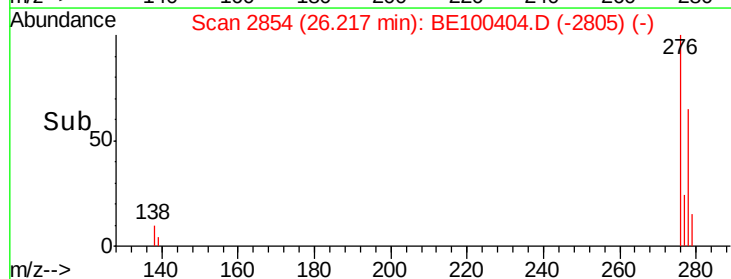
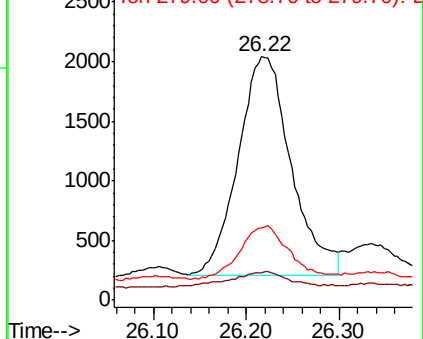


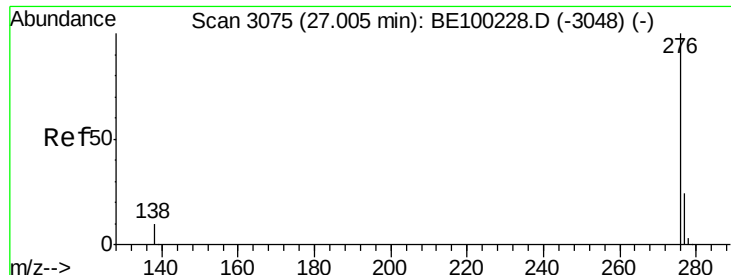
Abundance

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: 0.719 ng

RT: 26.98 min Scan# 3069

Delta R.T. -0.02 min

Lab File: BE100404.D

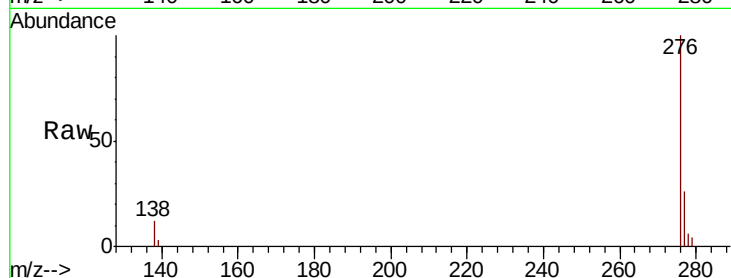
Acq: 6 Jul 2019 5:31

Instrument :

BNA_E

ClientSampleId :

EXT-016-SW099-062519MSD



Tgt Ion: 276 Resp: 15675

Ion Ratio Lower Upper

276 100

277 26.1 20.2 30.2

138 11.7 9.0 13.6

