

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070519\
 Data File : BE100376.D
 Acq On : 5 Jul 2019 11:57
 Operator : JU/SJ
 Sample : K3560-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW149-062419

Quant Time: Jul 06 00:10:48 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	536	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	1647	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1346	0.40	ng	-0.01
19) Phenanthrene-d10	17.05	188	4657	0.40	ng	0.00
27) Chrysene-d12	21.23	240	6863	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8199	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	591	0.43	ng	-0.02
5) Phenol-d6	6.82	99	704	0.39	ng	-0.02
8) Nitrobenzene-d5	8.81	82	511	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1163	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	488	0.52	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1934	0.37	ng	-0.01
25) Fluoranthene-d10	19.09	212	25789	0.38	ng	-0.01
29) Terphenyl-d14	19.68	244	5038	0.35	ng	-0.02

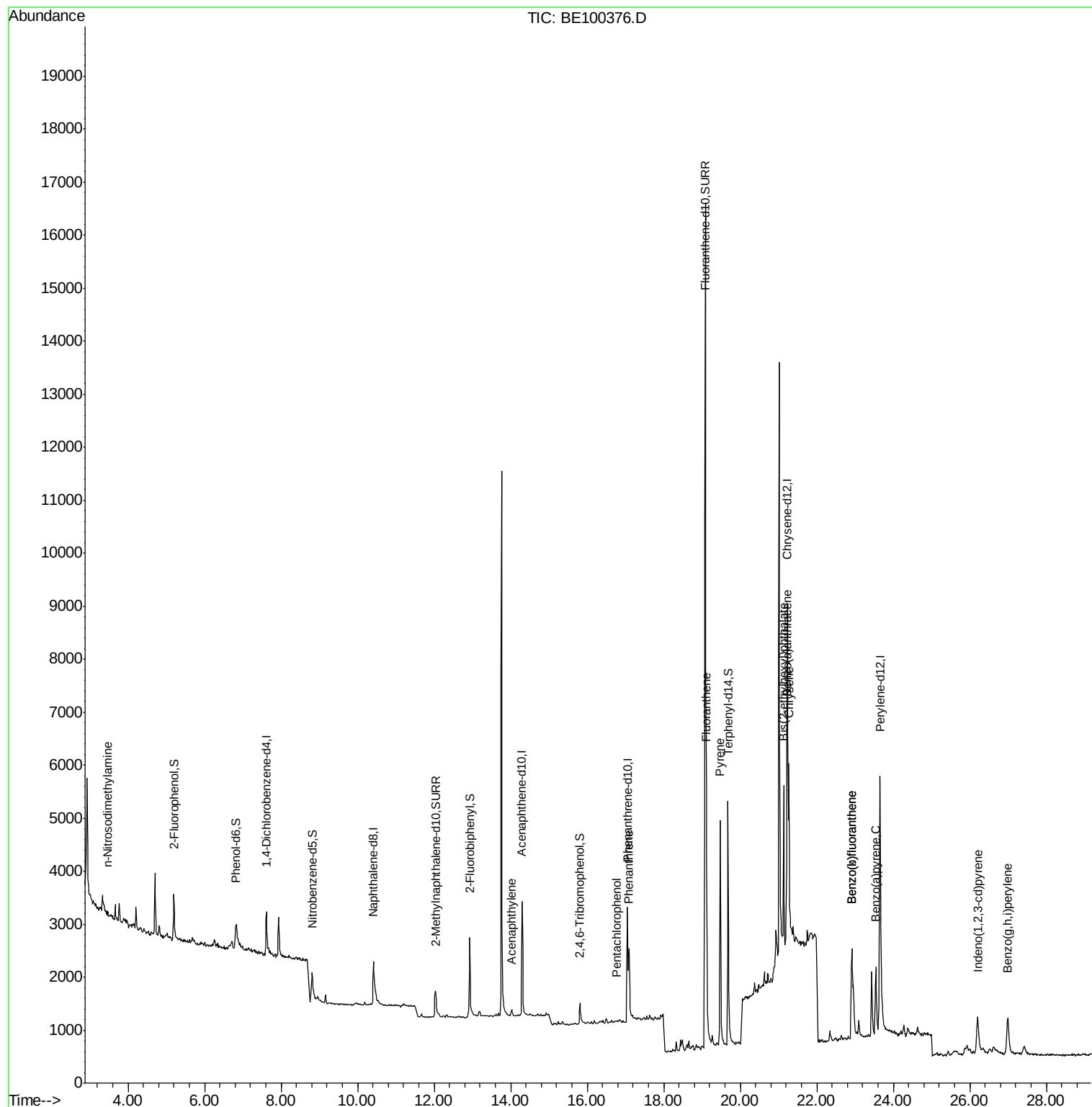
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.48	42	26	0.067	ng	# 14
16) Acenaphthylene	14.02	152	193	0.030	ng	# 83
22) Pentachlorophenol	16.76	266	22	0.024	ng	# 74
23) Phenanthrene	17.09	178	1754	0.155	ng	98
26) Fluoranthene	19.12	202	4150	0.231	ng	99
28) Pyrene	19.48	202	4993	0.275	ng	98
30) Benzo(a)anthracene	21.22	228	2303	0.102	ng	# 88
31) Chrysene	21.27	228	2980	0.132	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.14	149	3313	0.046	ng	98
33) Indeno(1,2,3-cd)pyrene	26.21	276	1752	0.058	ng	# 93
35) Benzo(b)fluoranthene	22.92	252	3354	0.151	ng	# 85
36) Benzo(k)fluoranthene	22.92	252	3354	0.135	ng	# 80
37) Benzo(a)pyrene	23.54	252	2262	0.102	ng	# 70
39) Benzo(g,h,i)perylene	26.99	276	2097	0.088	ng	# 79

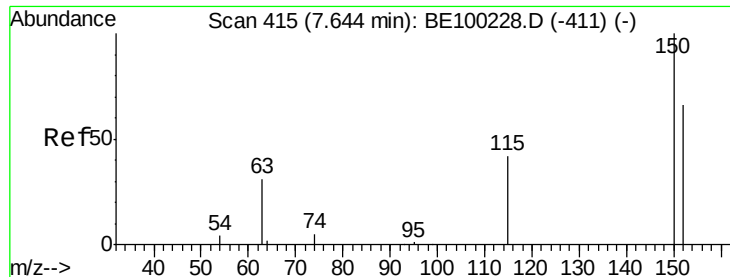
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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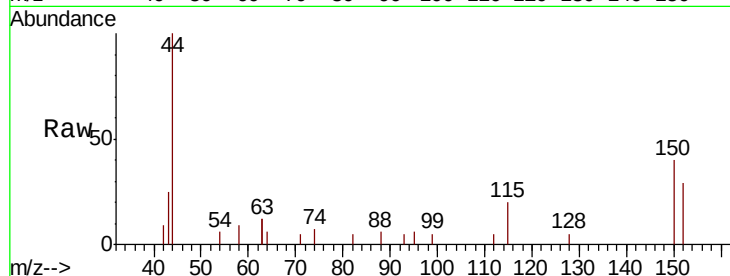


#1

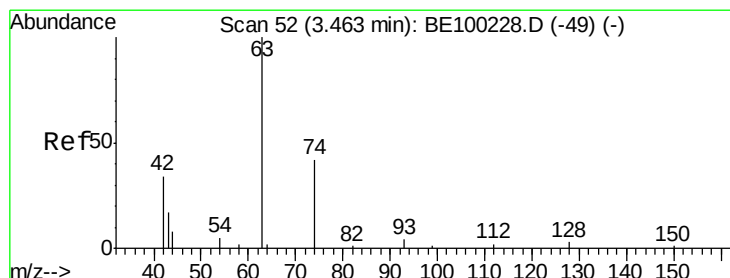
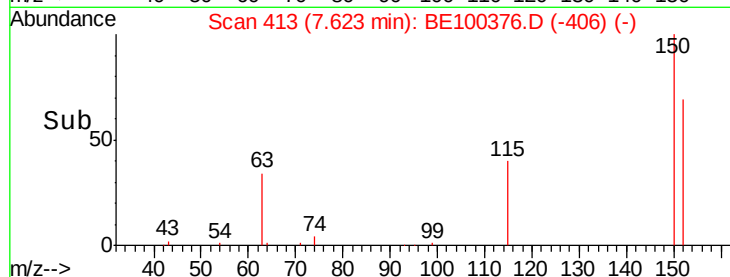
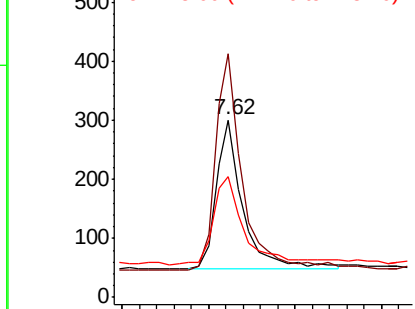
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tgt Ion: 152 Resp: 536
Ion Ratio Lower Upper
152 100
150 137.3 114.5 171.7
115 68.3 57.1 85.7



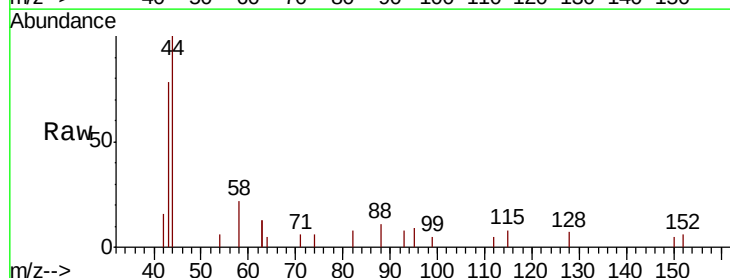
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



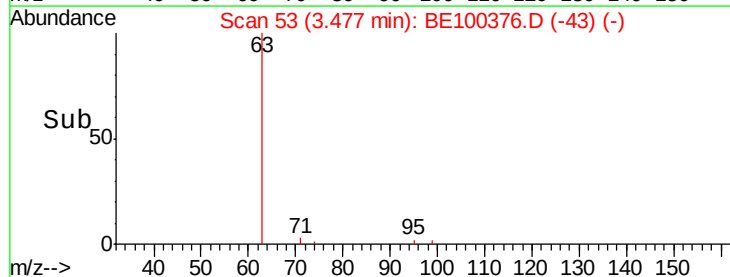
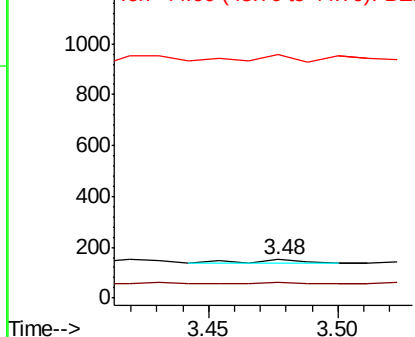
#3

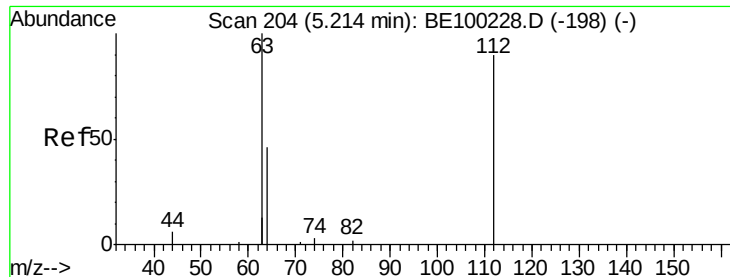
n-Nitrosodimethylamine
Concen: 0.067 ng
RT: 3.48 min Scan# 53
Delta R.T. 0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion: 42 Resp: 26
Ion Ratio Lower Upper
42 100
74 38.5 130.6 196.0#
44 88.5 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: 0.432 ng

RT: 5.19 min Scan# 202

Delta R.T. -0.02 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

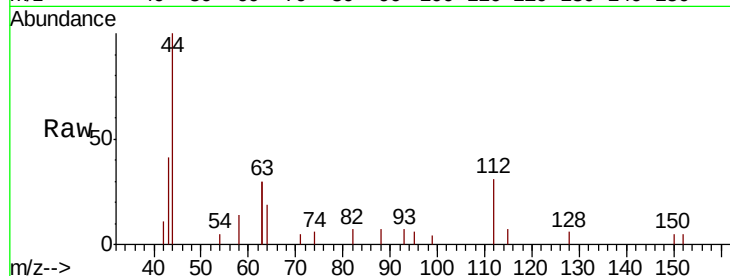
Tgt Ion: 112 Resp: 591

Ion Ratio Lower Upper

112 100

64 59.2 39.4 59.0#

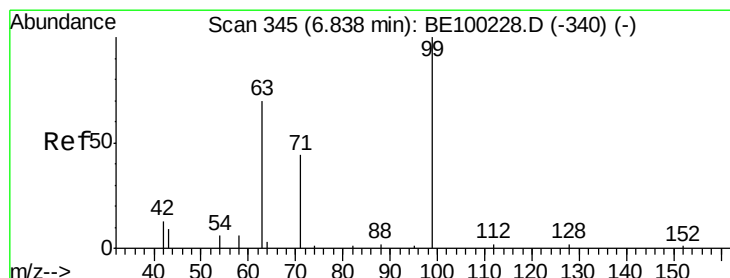
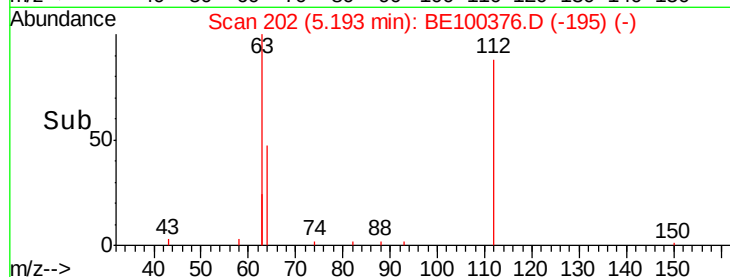
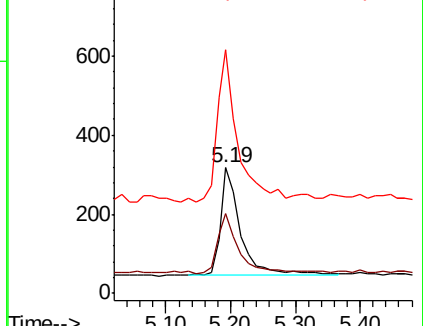
63 148.2 104.5 156.7



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: 0.392 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

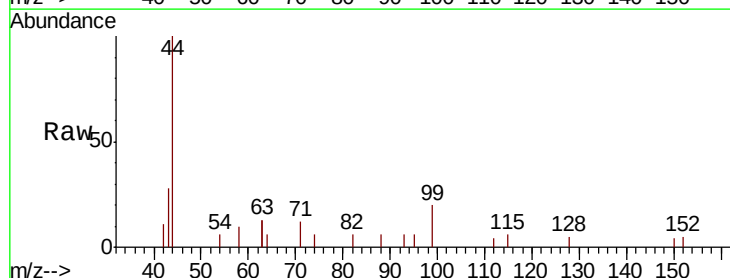
Tgt Ion: 99 Resp: 704

Ion Ratio Lower Upper

99 100

42 16.6 11.2 16.8

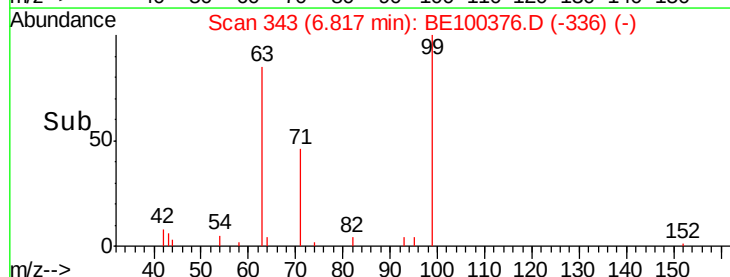
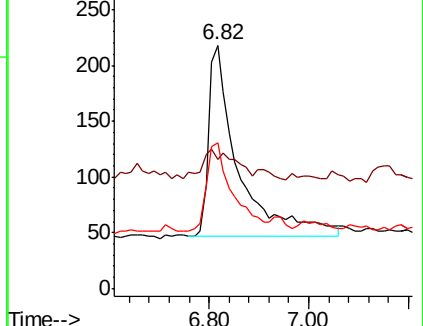
71 39.2 37.2 55.8

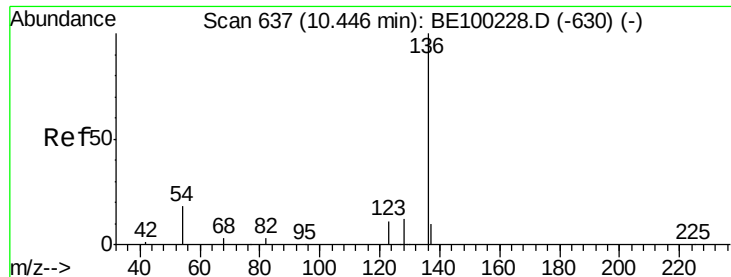


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

Tgt Ion: 136 Resp: 1647

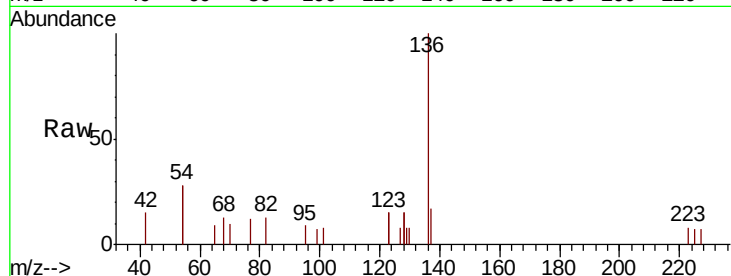
Ion Ratio Lower Upper

136 100

137 17.1 11.8 17.8

54 55.4 27.7 41.5#

68 12.5 6.8 10.2#

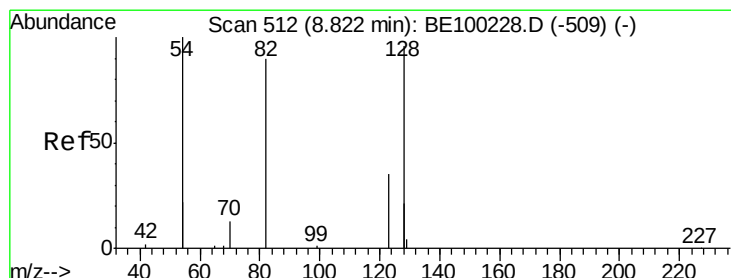
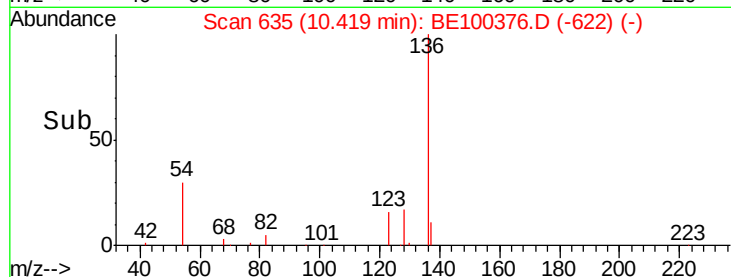
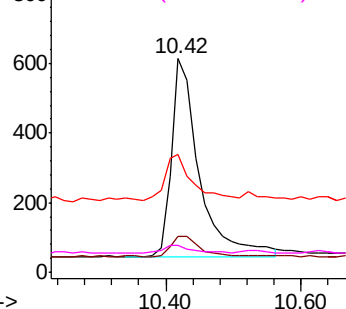


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.312 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

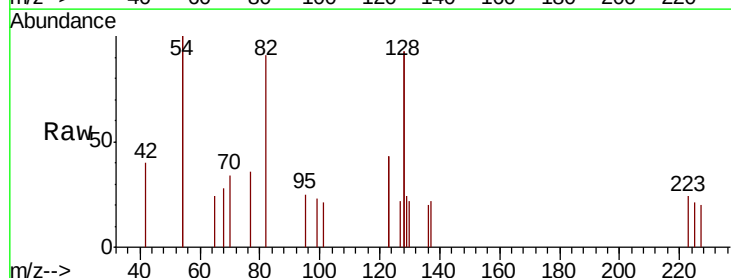
Tgt Ion: 82 Resp: 511

Ion Ratio Lower Upper

82 100

128 204.1 140.9 211.3

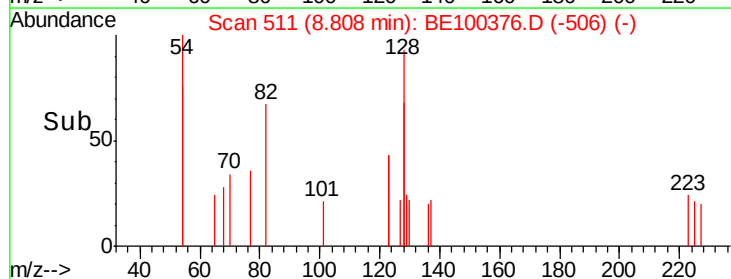
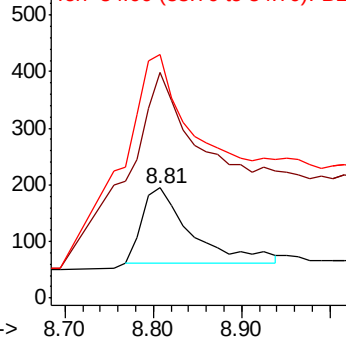
54 220.5 146.2 219.2#

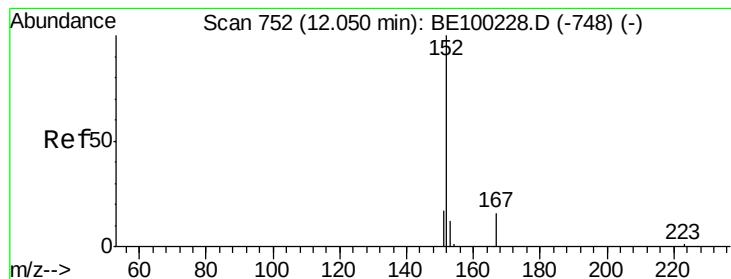


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

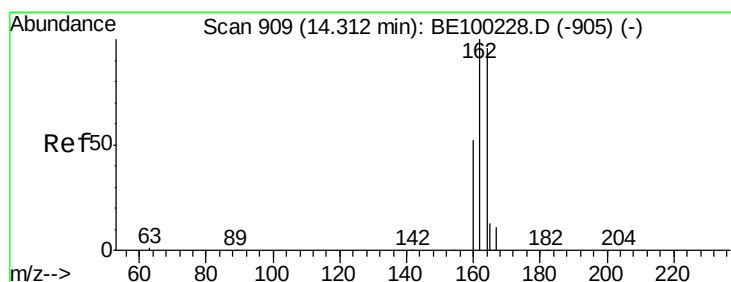
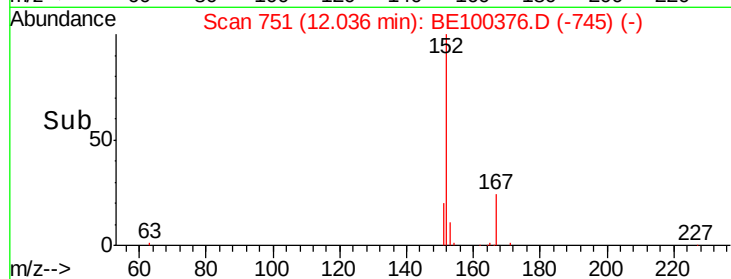
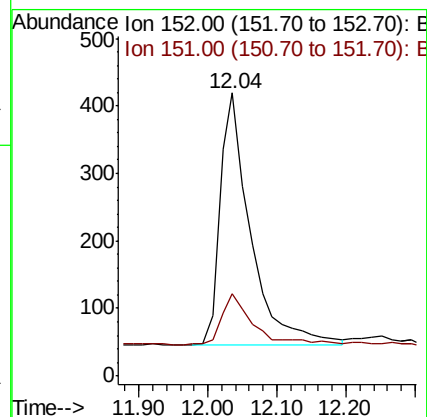
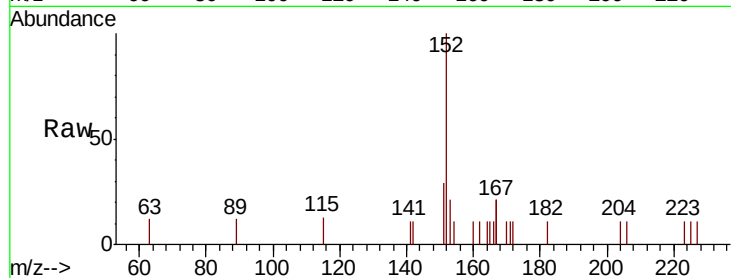
EXT-009-SW149-062419

Tgt Ion:152 Resp: 1163

Ion Ratio Lower Upper

152 100

151 23.3 15.1 22.7#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

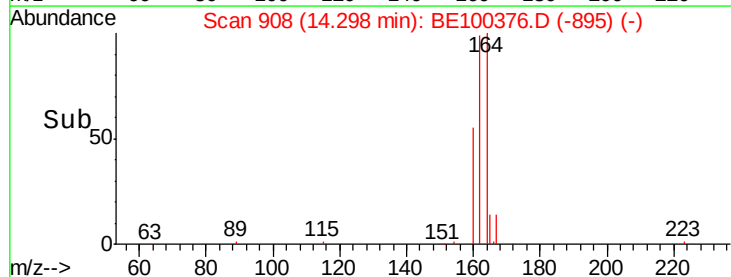
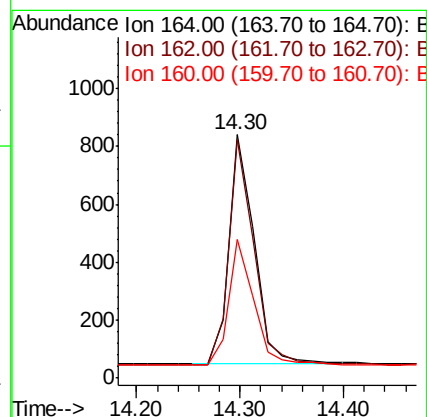
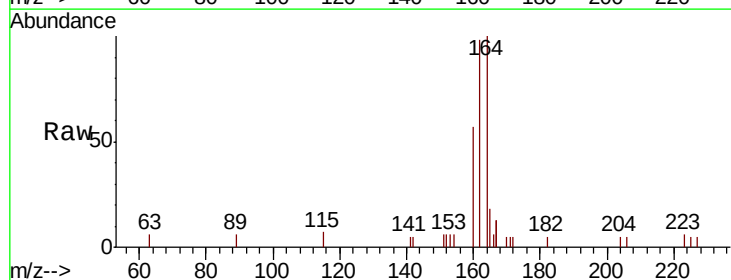
Tgt Ion:164 Resp: 1346

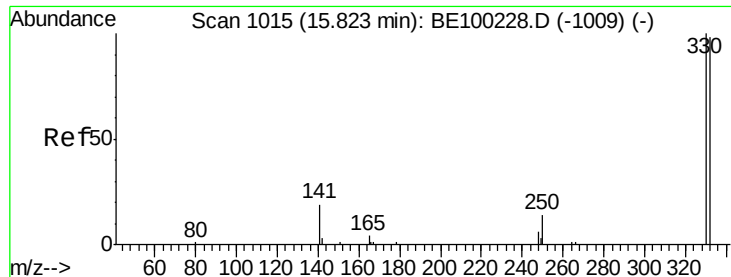
Ion Ratio Lower Upper

164 100

162 98.1 83.4 125.0

160 57.1 45.0 67.6

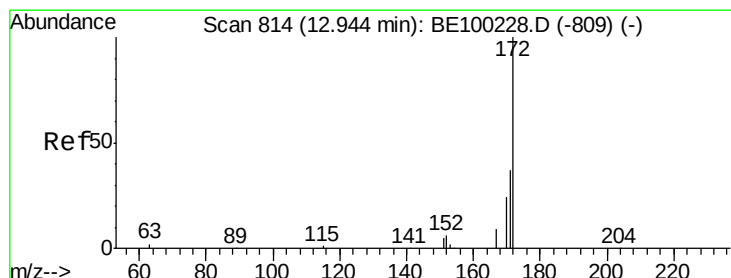
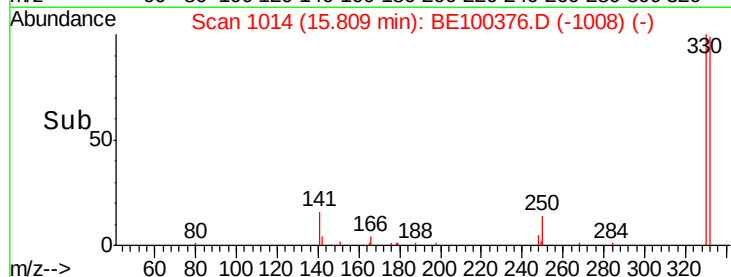
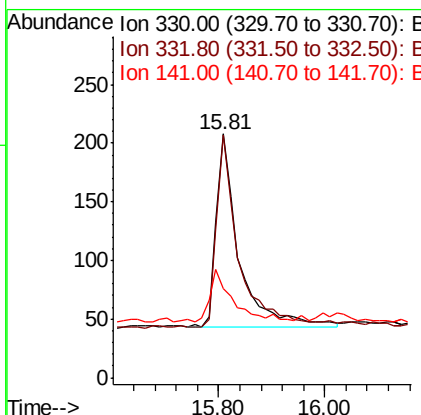
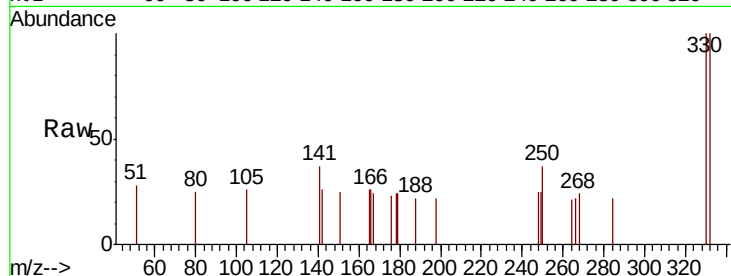




#14
 2,4,6-Tribromophenol
 Concen: 0.518 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100376.D
 Acq: 5 Jul 2019 11:57

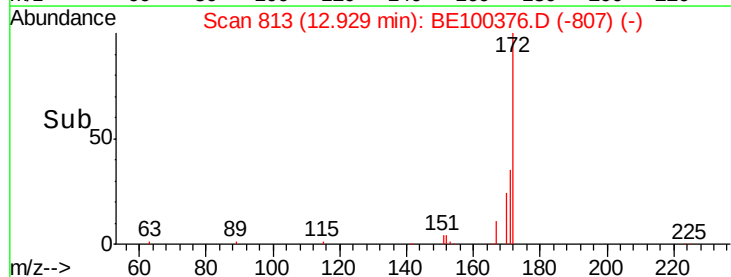
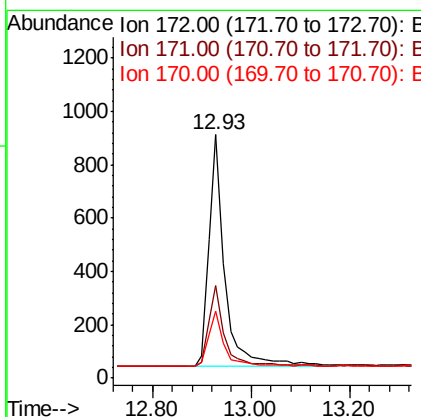
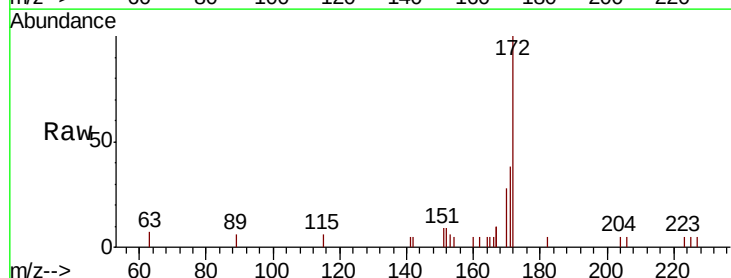
Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW149-062419

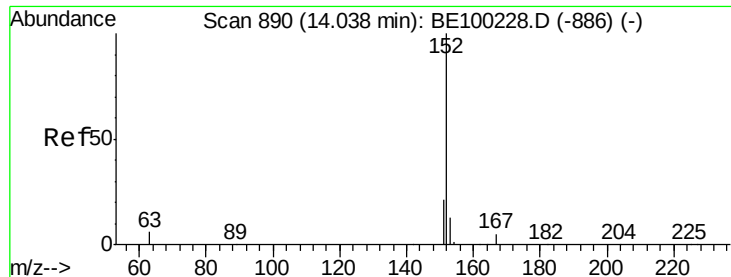
Tgt Ion: 330 Resp: 488
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.4
 141 24.2 22.0 33.0



#15
 2-Fluorobiphenyl
 Concen: 0.369 ng
 RT: 12.93 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BE100376.D
 Acq: 5 Jul 2019 11:57

Tgt Ion: 172 Resp: 1934
 Ion Ratio Lower Upper
 172 100
 171 38.2 31.9 47.9
 170 27.7 22.2 33.2





#16

Acenaphthylene

Concen: 0.030 ng

RT: 14.02 min Scan# 889

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

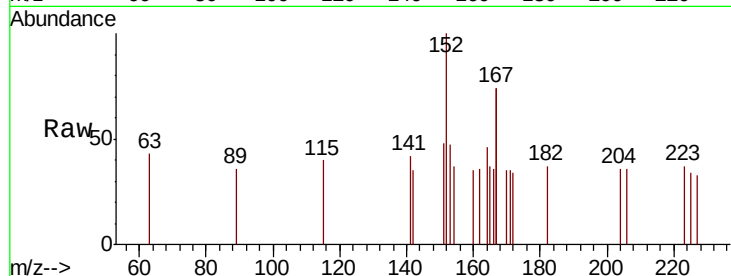
Tgt Ion:152 Resp: 193

Ion Ratio Lower Upper

152 100

151 28.0 16.6 25.0#

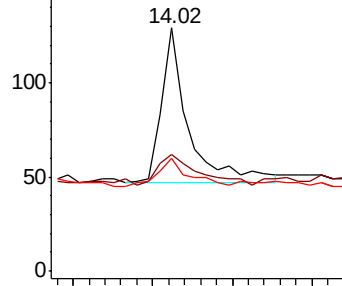
153 21.2 10.5 15.7#



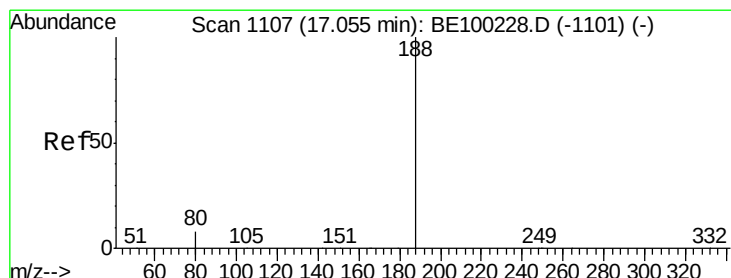
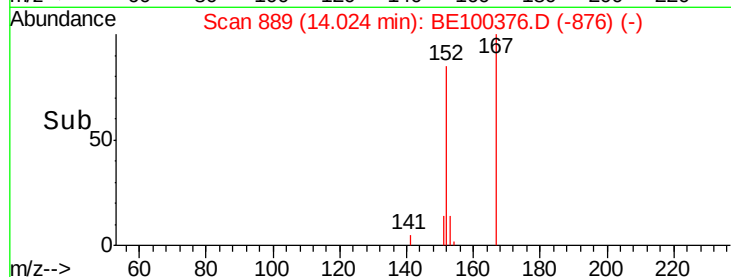
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

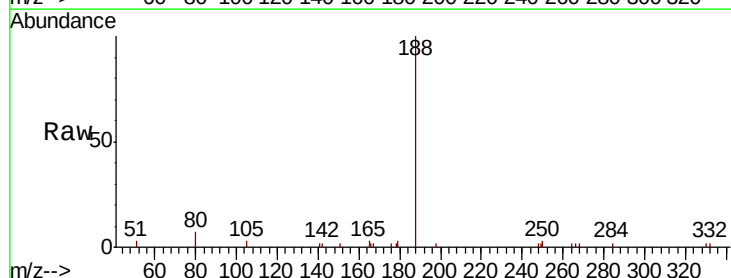
Tgt Ion:188 Resp: 4657

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

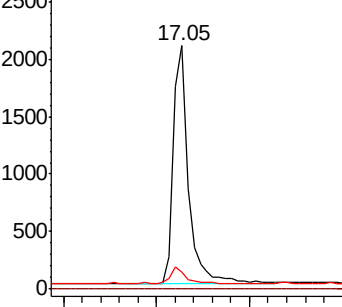
80 7.0 7.6 11.4#



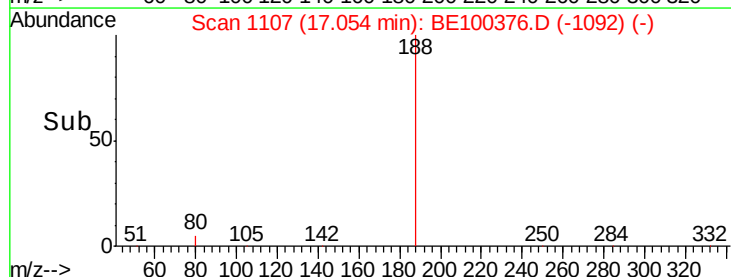
Abundance Ion 188.00 (187.70 to 188.70): E

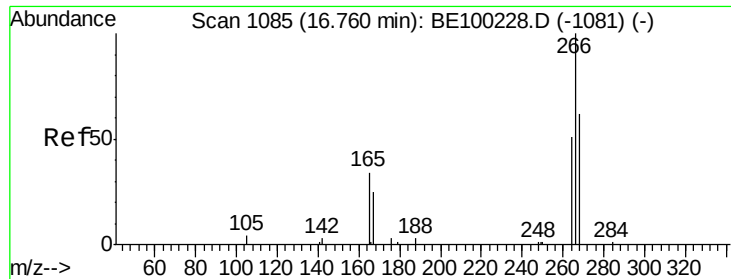
Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



Time-->





#22

Pentachlorophenol

Concen: 0.024 ng

RT: 16.76 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

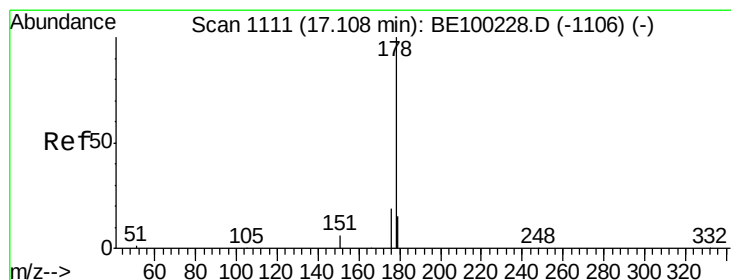
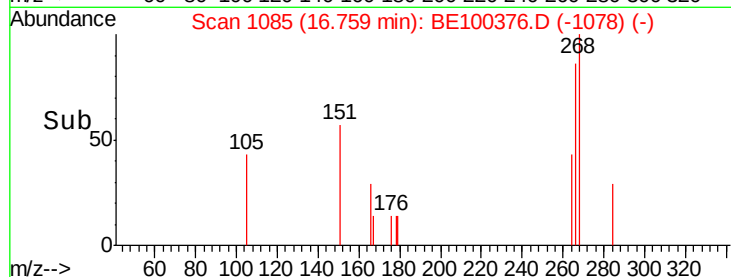
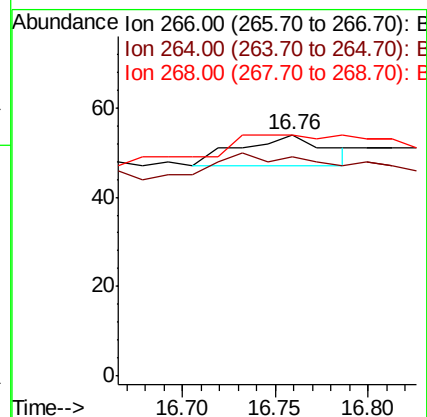
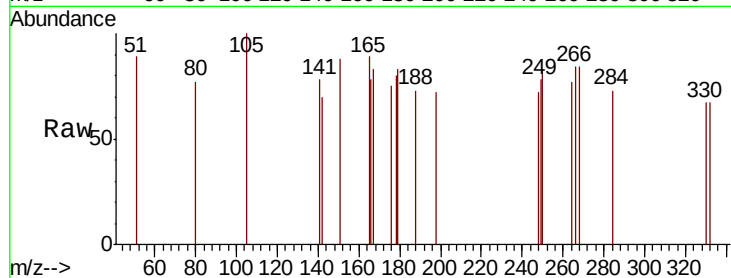
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 90.7 56.2 84.2#

268 100.0 61.8 92.6#



#23

Phenanthrene

Concen: 0.155 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

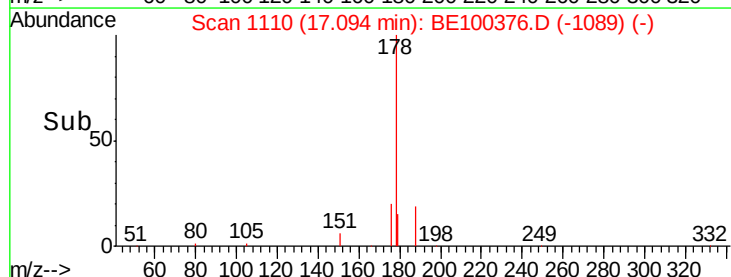
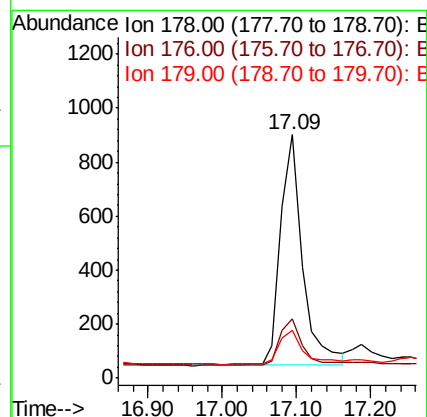
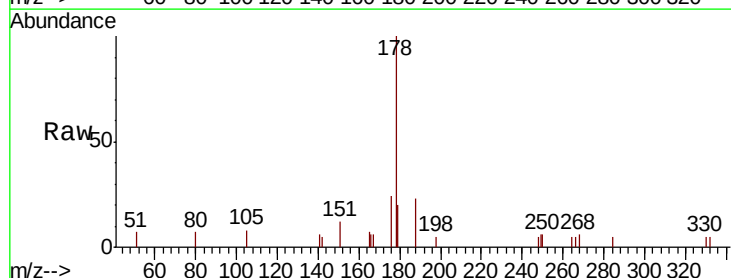
Tgt Ion:178 Resp: 1754

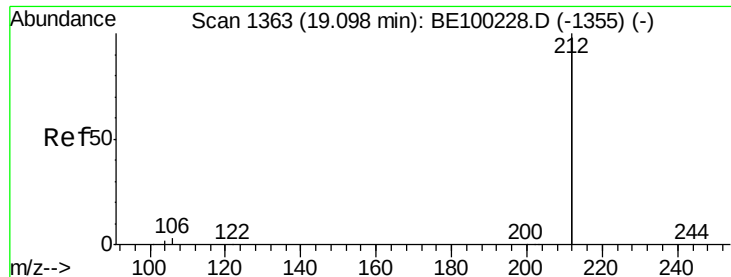
Ion Ratio Lower Upper

178 100

176 20.8 15.9 23.9

179 16.6 12.2 18.2





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

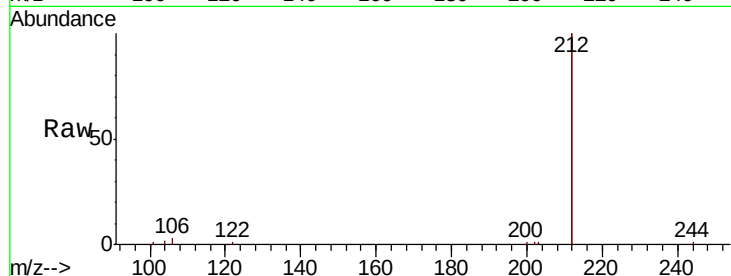
Tgt Ion:212 Resp: 25789

Ion Ratio Lower Upper

212 100

106 1.5 1.3 1.9

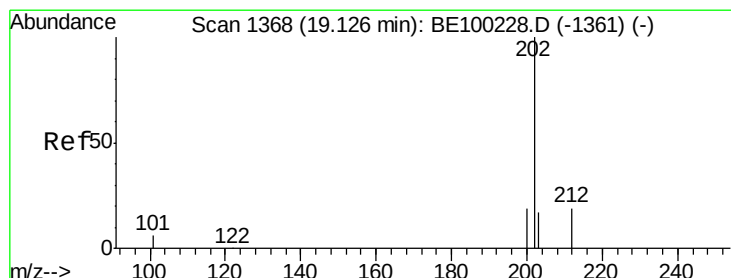
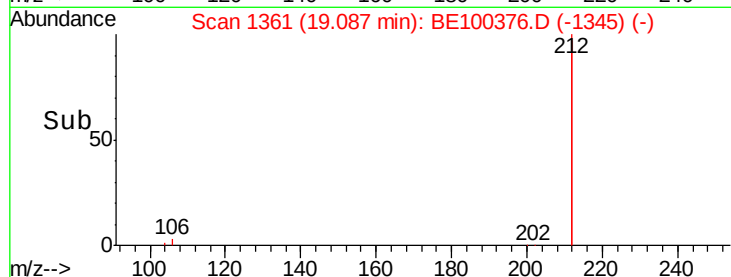
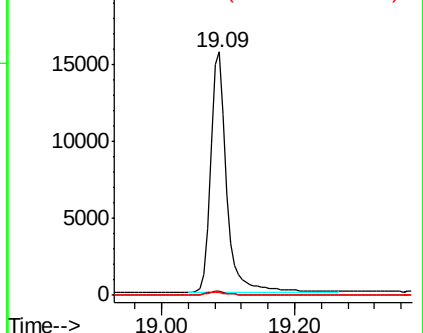
104 0.9 0.8 1.2



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: 0.231 ng

RT: 19.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

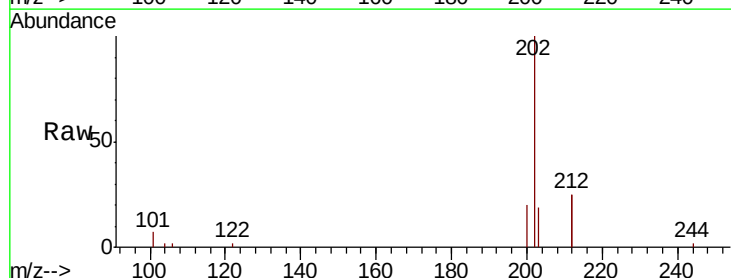
Tgt Ion:202 Resp: 4150

Ion Ratio Lower Upper

202 100

101 5.3 4.6 7.0

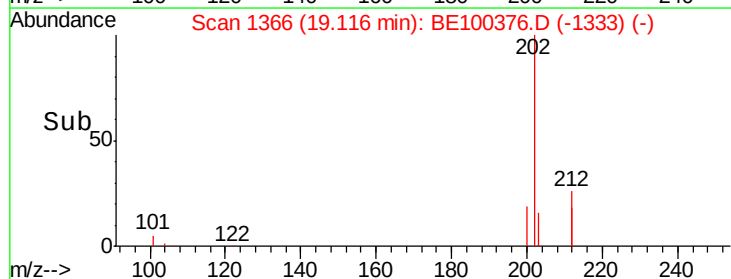
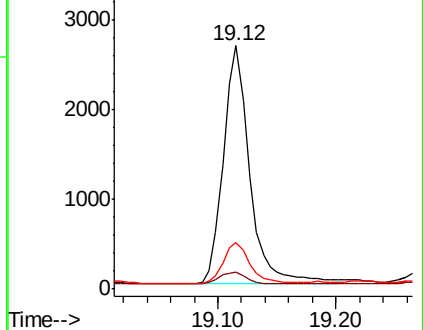
203 16.8 13.7 20.5

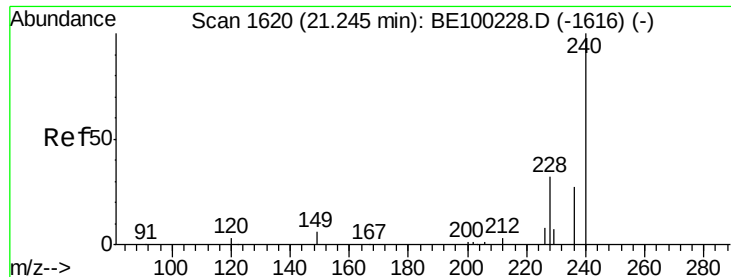


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

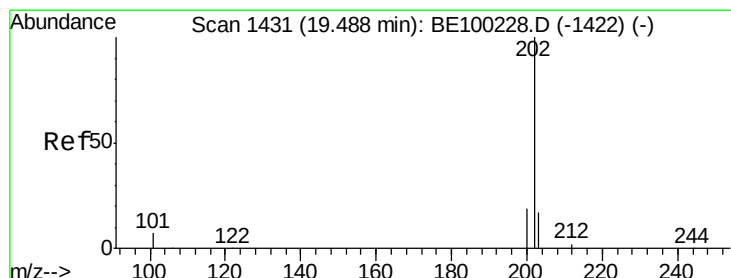
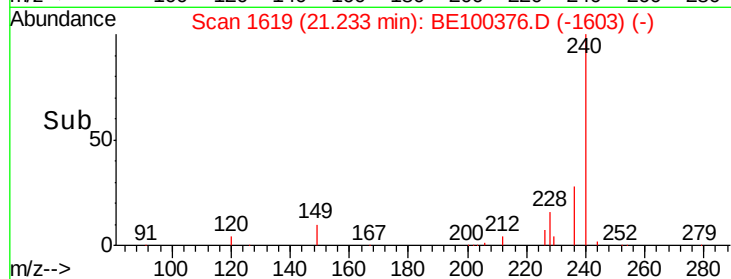
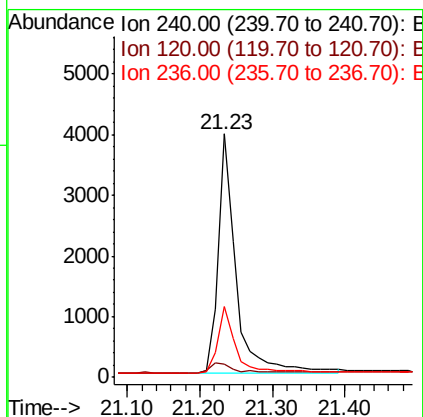
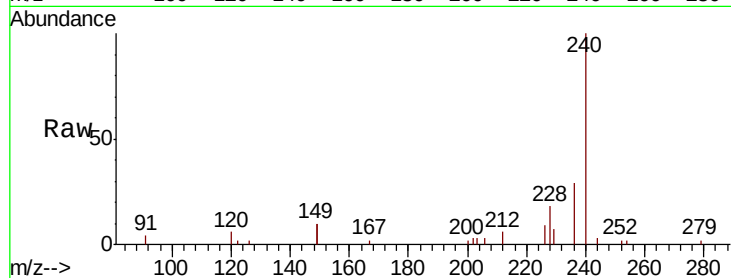




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

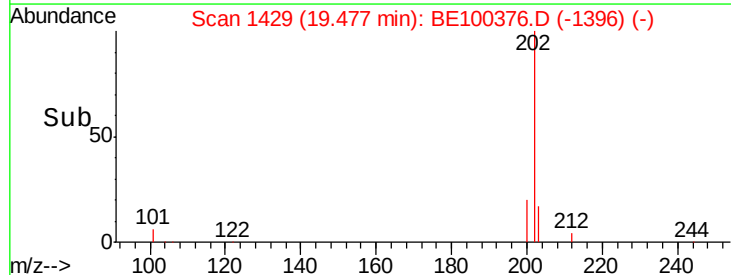
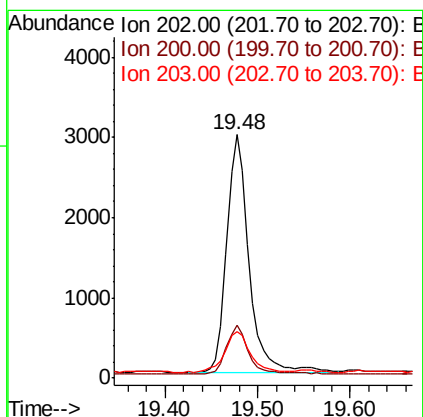
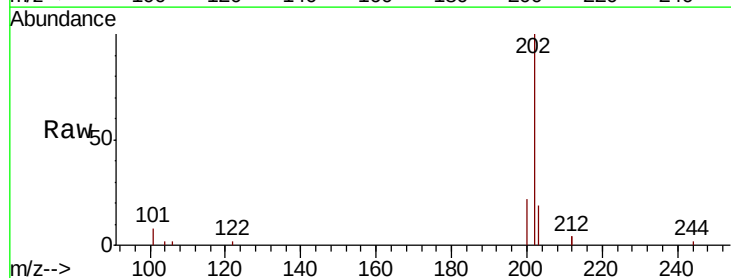
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

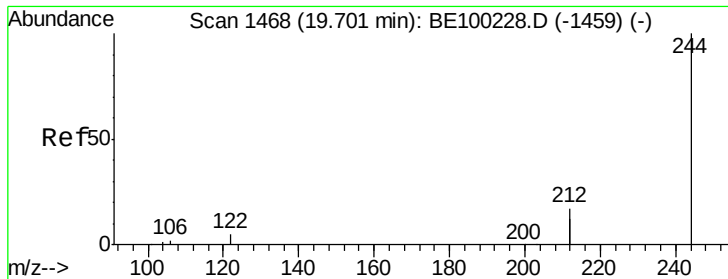
Tgt Ion:240 Resp: 6863
Ion Ratio Lower Upper
240 100
120 5.6 3.3 4.9#
236 29.2 22.6 34.0



#28
Pyrene
Concen: 0.275 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion:202 Resp: 4993
Ion Ratio Lower Upper
202 100
200 19.9 15.6 23.4
203 18.8 14.0 21.0





#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.68 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

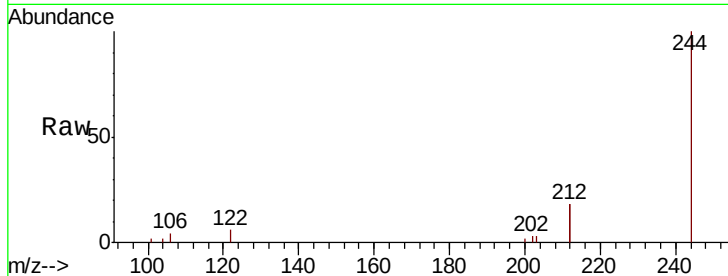
Tgt Ion:244 Resp: 5038

Ion Ratio Lower Upper

244 100

212 37.0 27.3 40.9

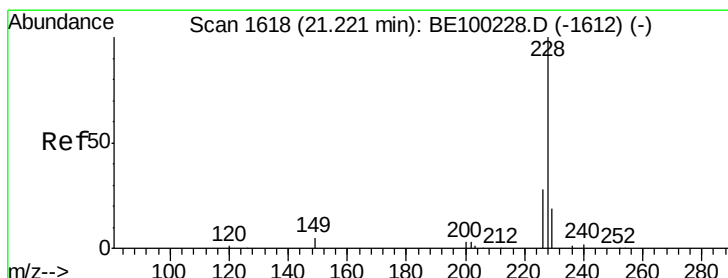
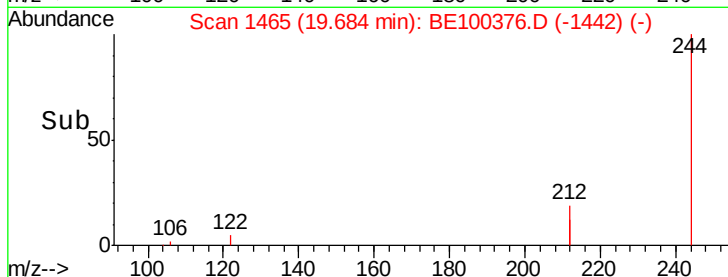
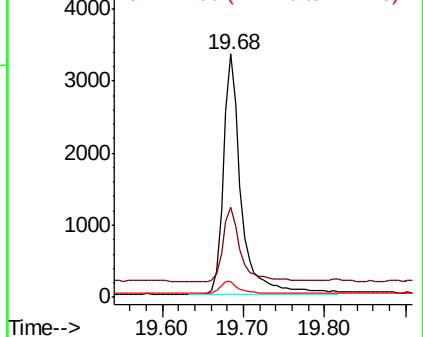
122 6.3 4.7 7.1



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: 0.102 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

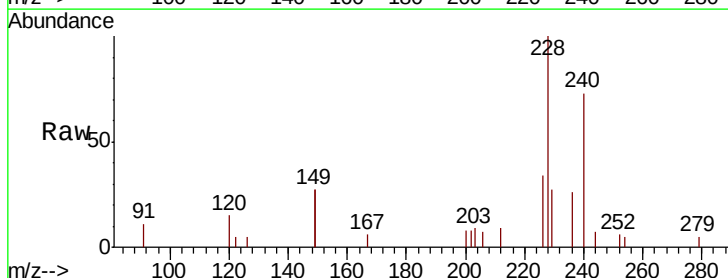
Tgt Ion:228 Resp: 2303

Ion Ratio Lower Upper

228 100

226 34.1 23.2 34.8

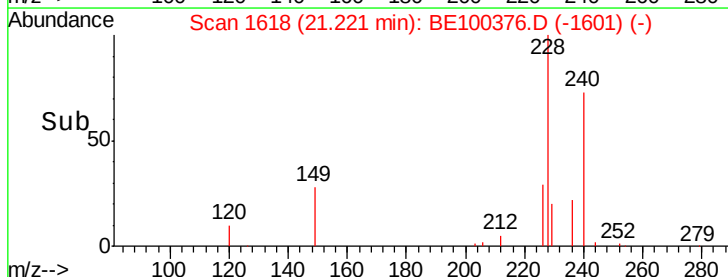
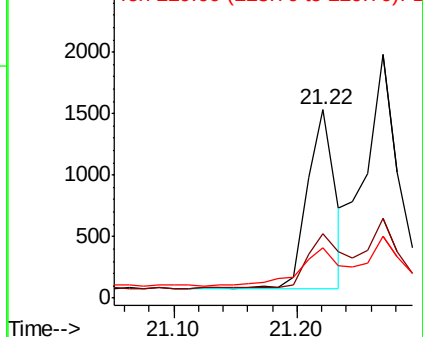
229 26.8 15.7 23.5#

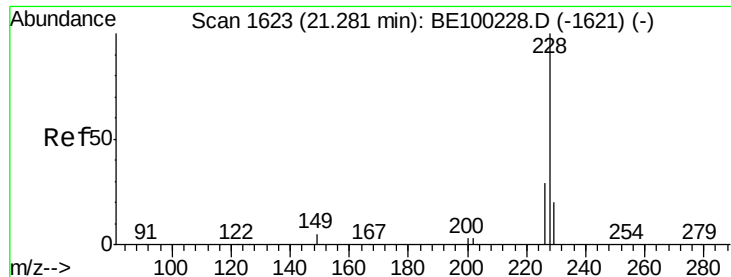


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.132 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

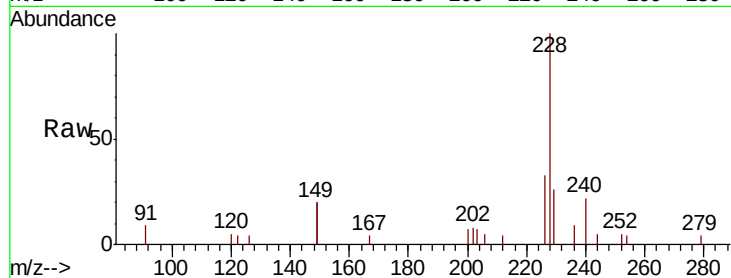
Tgt Ion:228 Resp: 2980

Ion Ratio Lower Upper

228 100

226 33.0 23.9 35.9

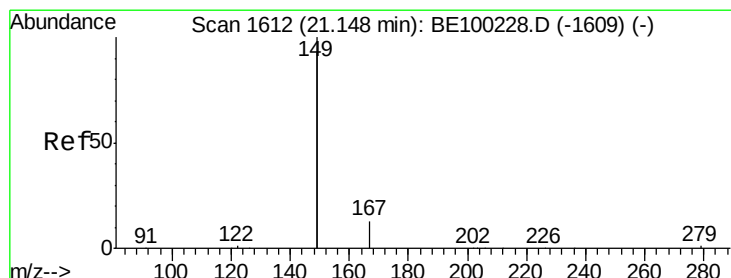
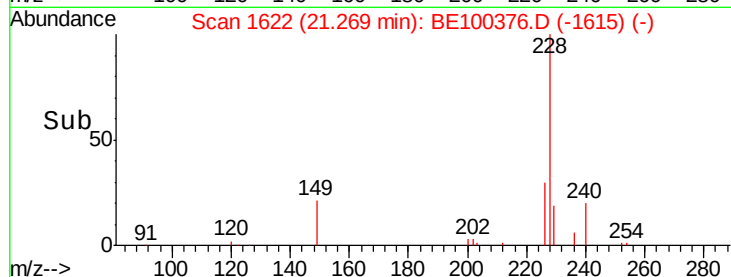
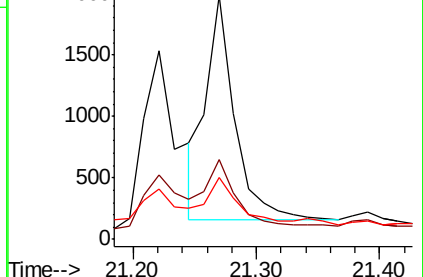
229 25.6 16.5 24.7#



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: 0.046 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

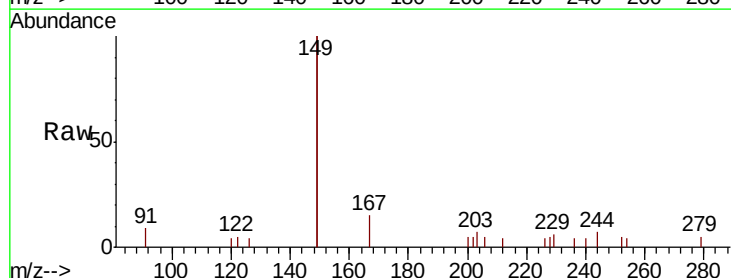
Tgt Ion:149 Resp: 3313

Ion Ratio Lower Upper

149 100

167 8.2 5.8 8.8

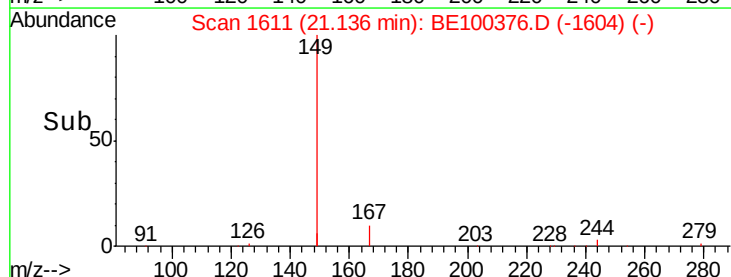
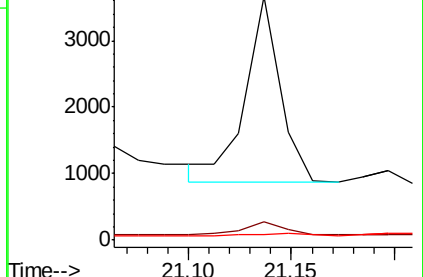
279 1.5 1.1 1.7

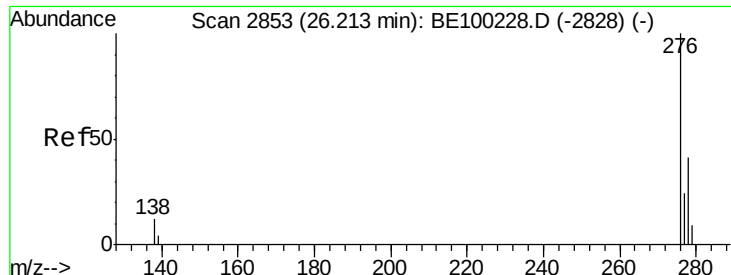


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.058 ng

RT: 26.21 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

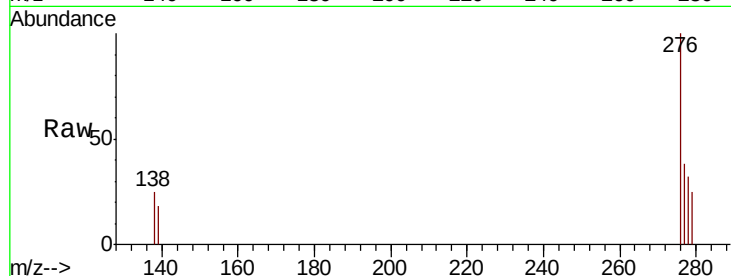
Tgt Ion:276 Resp: 1752

Ion Ratio Lower Upper

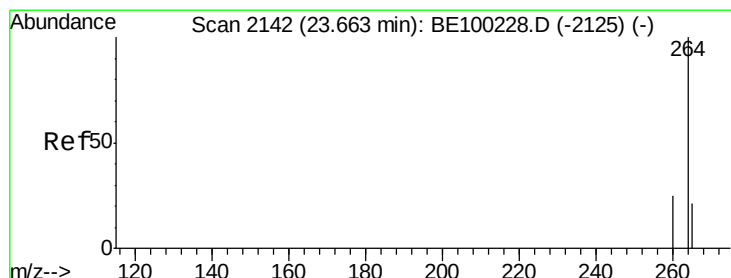
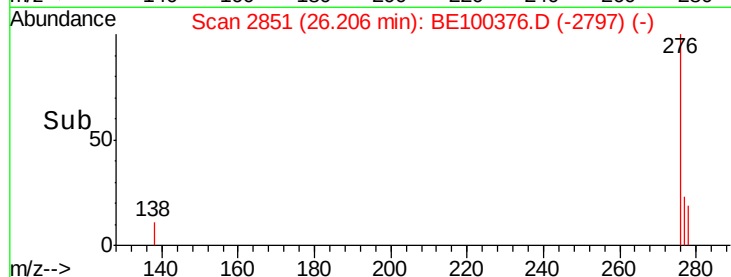
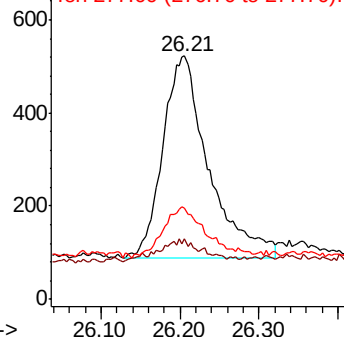
276 100

138 4.8 9.4 14.0#

277 23.0 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# 2139

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

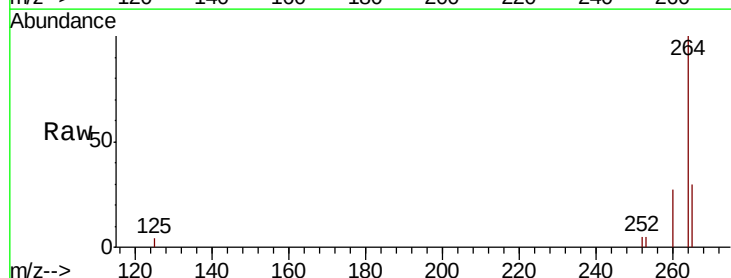
Tgt Ion:264 Resp: 8199

Ion Ratio Lower Upper

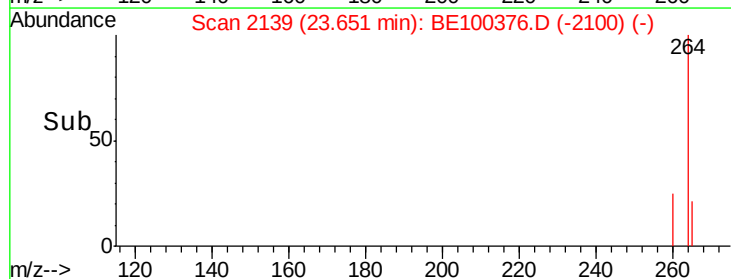
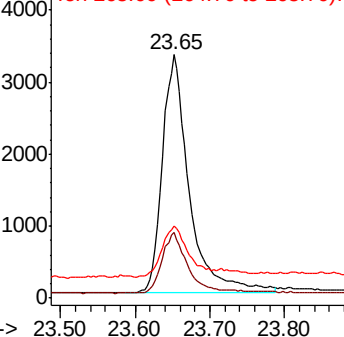
264 100

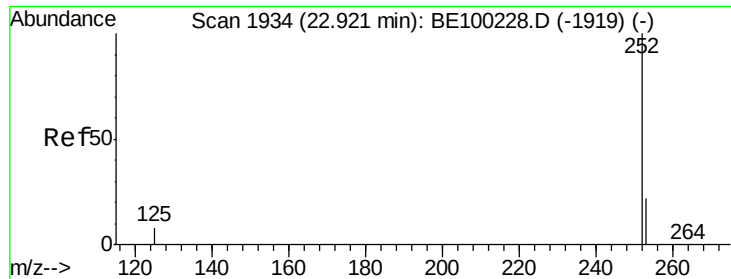
260 26.7 20.8 31.2

265 29.6 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: 0.151 ng

RT: 22.92 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

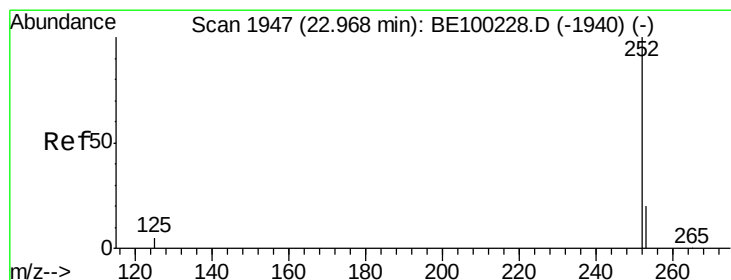
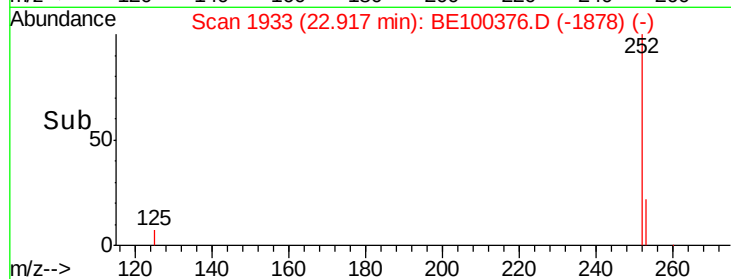
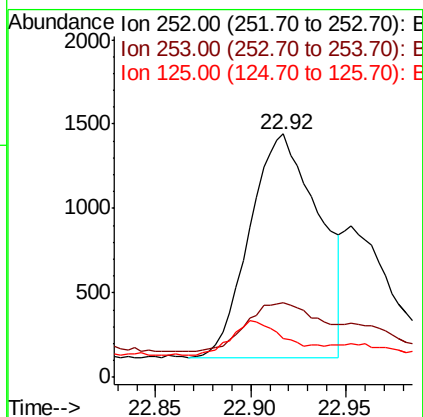
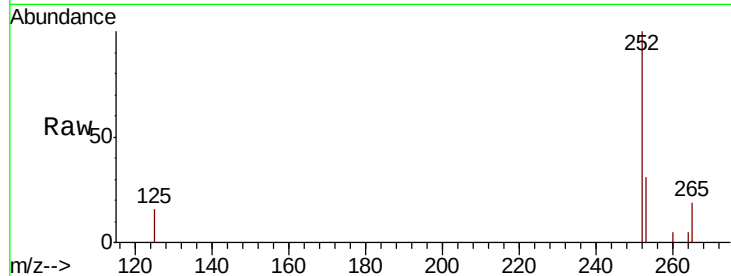
Tgt Ion: 252 Resp: 3354

Ion Ratio Lower Upper

252 100

253 30.8 19.2 28.8#

125 16.0 7.4 11.0#



#36

Benzo(k)fluoranthene

Concen: 0.135 ng

RT: 22.92 min Scan# 1933

Delta R.T. -0.05 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

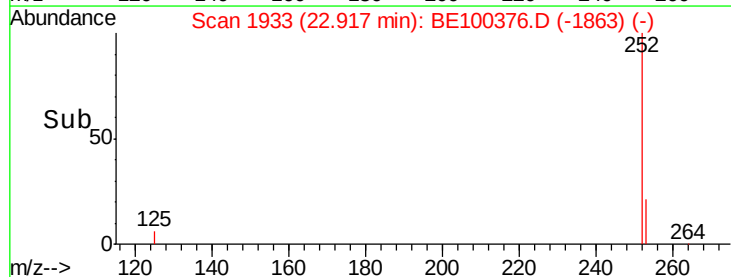
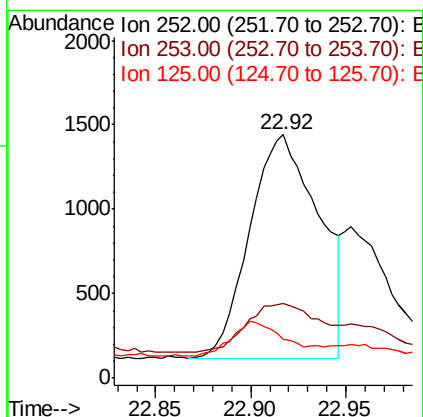
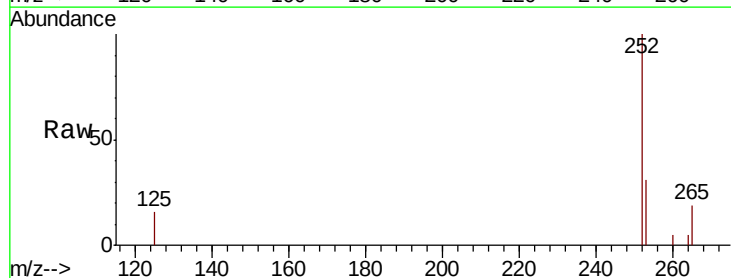
Tgt Ion: 252 Resp: 3354

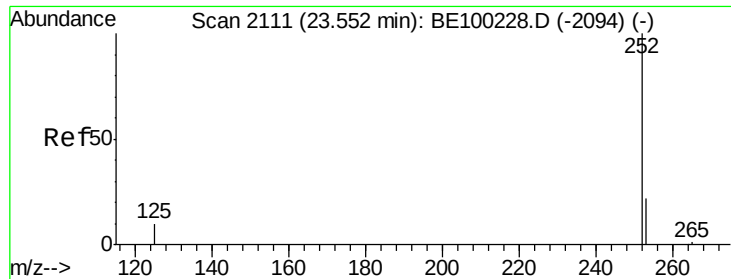
Ion Ratio Lower Upper

252 100

253 30.8 17.9 26.9#

125 16.0 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.54 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

ClientSampleId :

EXT-009-SW149-062419

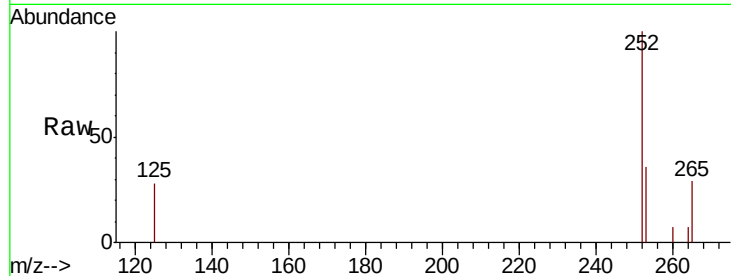
Tgt Ion:252 Resp: 2262

Ion Ratio Lower Upper

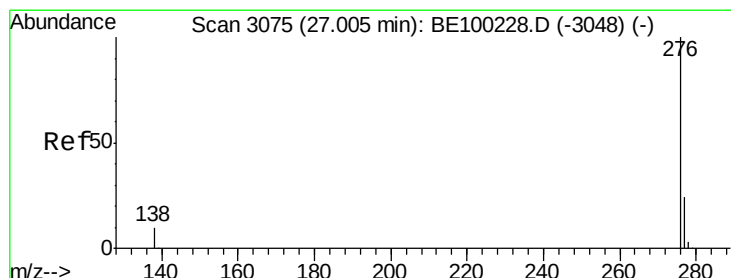
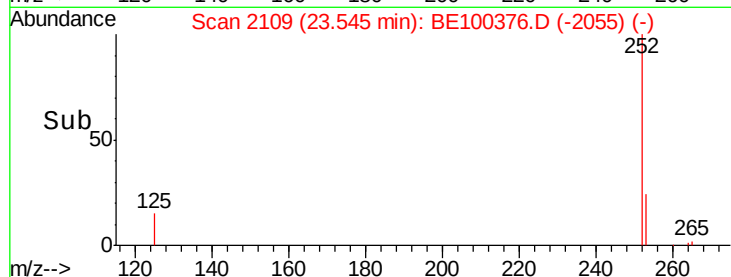
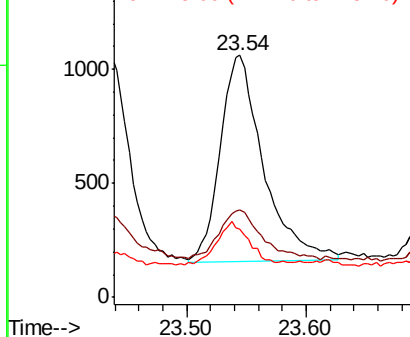
252 100

253 36.0 19.6 29.4#

125 28.0 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



#39

Benzo(g,h,i)perylene

Concen: 0.088 ng

RT: 26.99 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

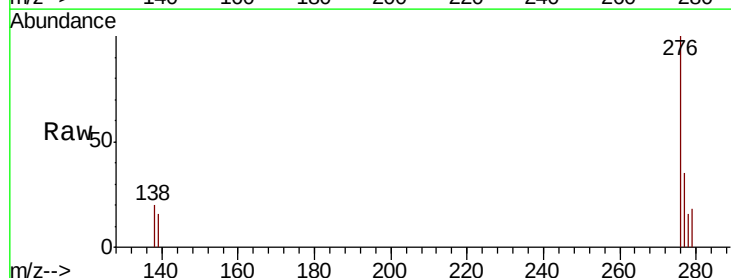
Tgt Ion:276 Resp: 2097

Ion Ratio Lower Upper

276 100

277 35.3 20.2 30.2#

138 19.9 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

