

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062119\
 Data File : BE100134.D
 Acq On : 21 Jun 2019 13:52
 Operator : JU/SJ
 Sample : K3428-20MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319MSD

Quant Time: Jun 22 02:02:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	610	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	2164	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	1929	0.40	ng	-0.02
19) Phenanthrene-d10	17.15	188	6917	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	9275	0.40	ng	0.00
34) Perylene-d12	23.83	264	10712	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	592	0.47	ng	-0.01
5) Phenol-d6	6.91	99	838	0.48	ng	-0.02
8) Nitrobenzene-d5	8.90	82	843	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.11	152	468	0.11	ng	-0.04
14) 2,4,6-Tribromophenol	15.90	330	492	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2996	0.39	ng	-0.02
25) Fluoranthene-d10	19.19	212	3155	0.03	ng	0.00
29) Terphenyl-d14	19.79	244	8624	0.47	ng	-0.02

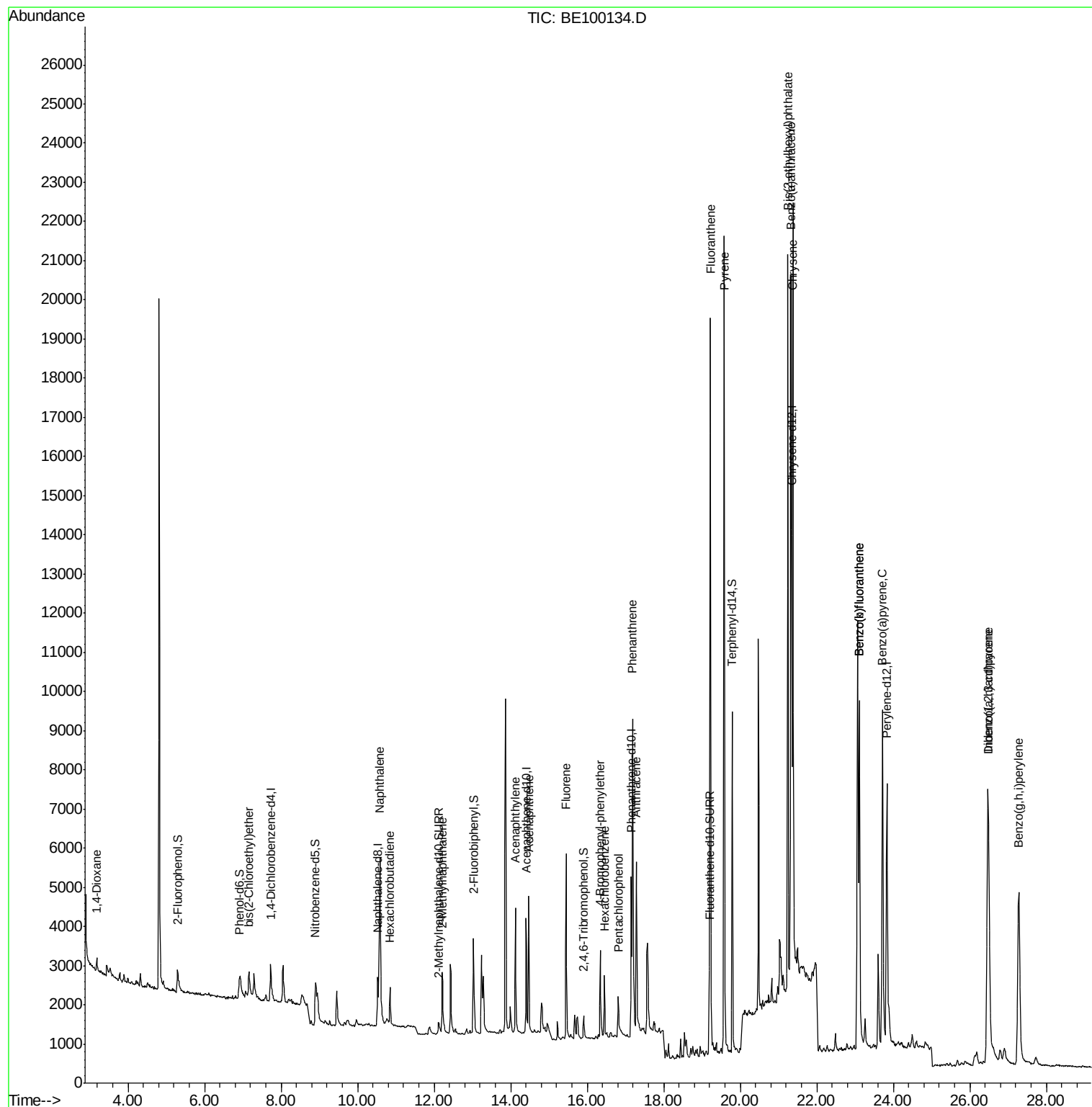
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	237	0.242	ng	# 61
6) bis(2-Chloroethyl)ether	7.16	93	561	0.346	ng	88
9) Naphthalene	10.58	128	9127	0.388	ng	100
10) Hexachlorobutadiene	10.85	225	657	0.284	ng	96
12) 2-Methylnaphthalene	12.21	142	1607	0.416	ng	97
16) Acenaphthylene	14.12	152	3869	0.423	ng	99
17) Acenaphthene	14.47	154	1947	0.380	ng	93
18) Fluorene	15.45	166	3191	0.418	ng	99
20) 4-Bromophenyl-phenylether	16.34	248	1409	0.343	ng	96
21) Hexachlorobenzene	16.45	284	1315	0.290	ng	99
22) Pentachlorophenol	16.81	266	796	0.782	ng	# 79
23) Phenanthrene	17.19	178	10262	0.619	ng	98
24) Anthracene	17.28	178	5884	0.421	ng	98
26) Fluoranthene	19.22	202	18336	0.689	ng	100
28) Pyrene	19.58	202	20849	0.875	ng	99
30) Benzo(a)anthracene	21.32	228	18684	0.677	ng	99
31) Chrysene	21.38	228	17669	0.551	ng	99
32) Bis(2-ethylhexyl)phthalate	21.24	149	21022	0.807	ng	100
33) Indeno(1,2,3-cd)pyrene	26.46	276	14008	0.388	ng	# 95
35) Benzo(b)fluoranthene	23.11	252	13712	0.436	ng	98
36) Benzo(k)fluoranthene	23.11	252	14151	0.396	ng	99
37) Benzo(a)pyrene	23.72	252	14741	0.486	ng	99
38) Dibenzo(a,h)anthracene	26.49	278	9467	0.304	ng	99
39) Benzo(g,h,i)perylene	27.28	276	13262	0.410	ng	99

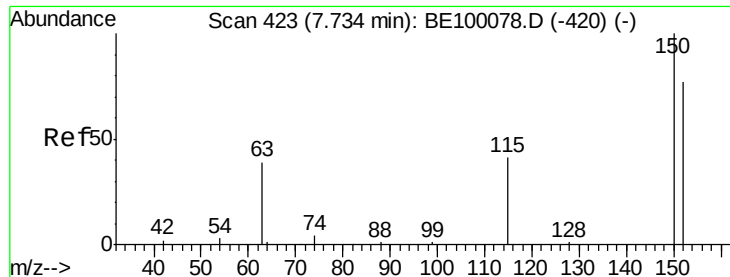
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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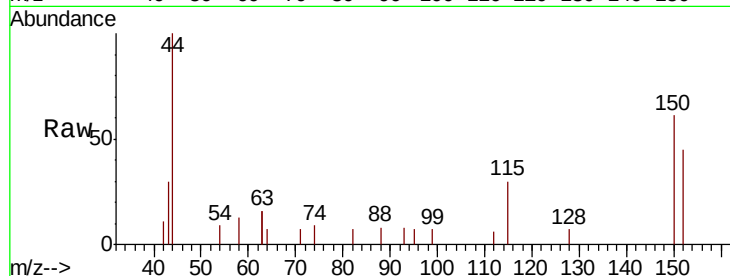


#1

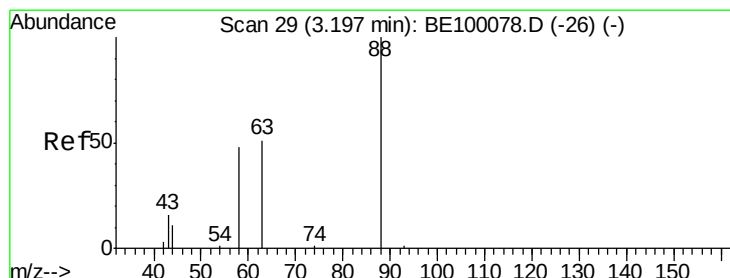
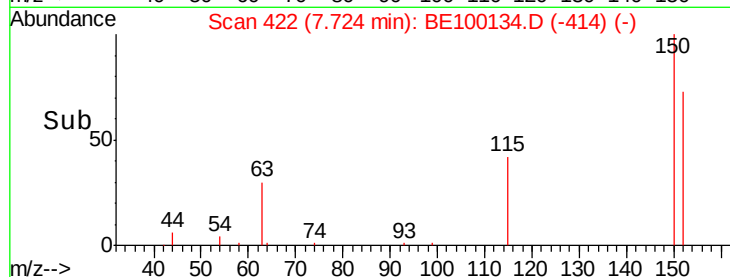
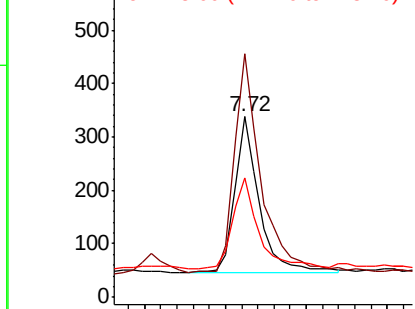
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319MSD

Tgt Ion: 152 Resp: 610
Ion Ratio Lower Upper
152 100
150 134.9 99.8 149.8
115 66.3 51.3 76.9



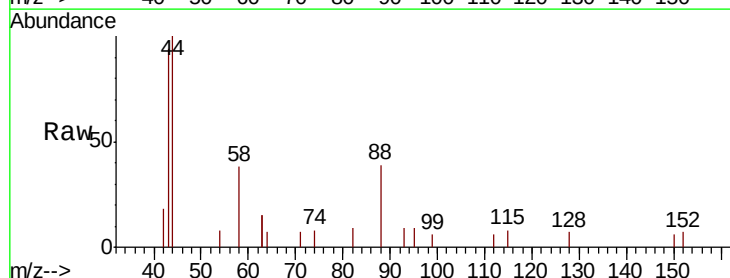
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



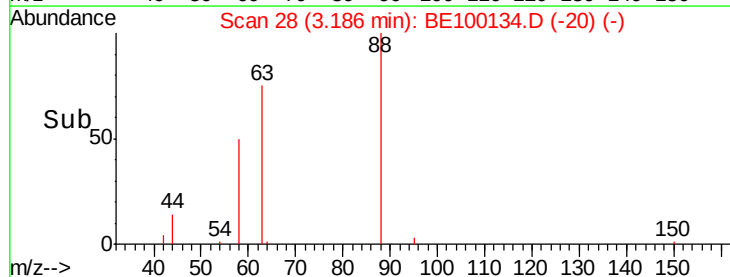
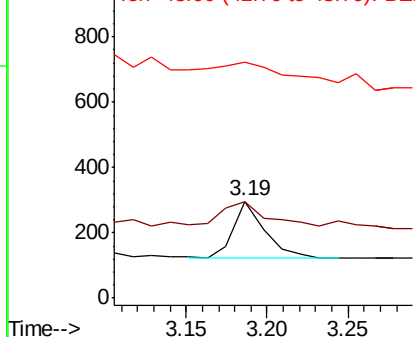
#2

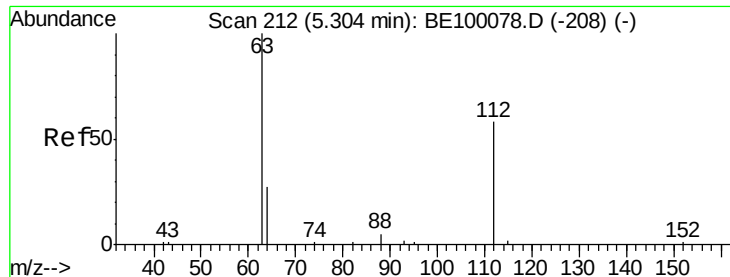
1,4-Dioxane
Concen: 0.242 ng
RT: 3.19 min Scan# 28
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Tgt Ion: 88 Resp: 237
Ion Ratio Lower Upper
88 100
58 53.6 51.1 76.7
43 78.9 21.7 32.5#



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





#4

2-Fluorophenol

Concen: 0.468 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

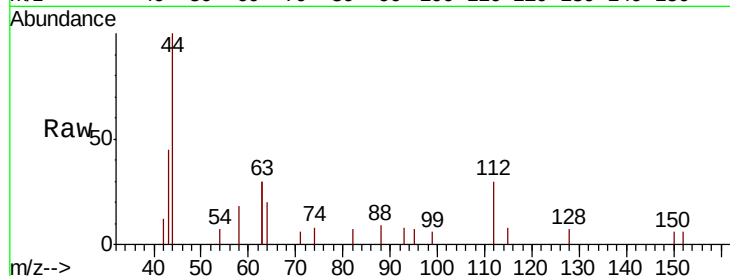
Tgt Ion: 112 Resp: 592

Ion Ratio Lower Upper

112 100

64 52.7 22.0 33.0#

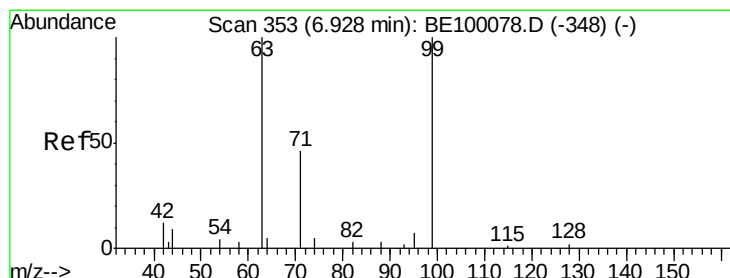
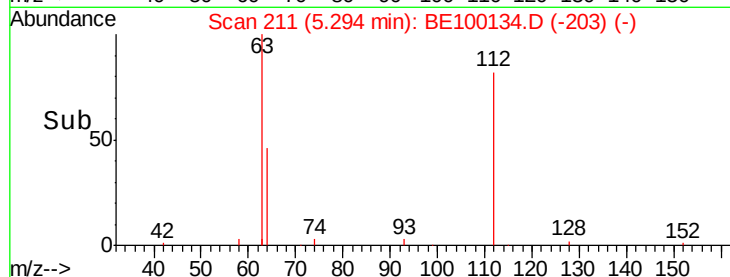
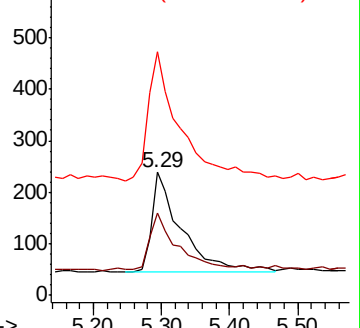
63 141.4 121.8 182.6



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: 0.482 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

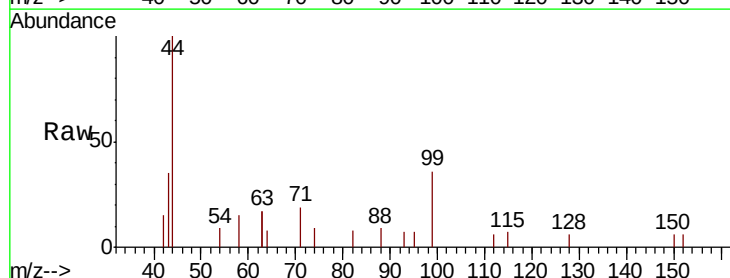
Tgt Ion: 99 Resp: 838

Ion Ratio Lower Upper

99 100

42 21.5 0.0 0.0#

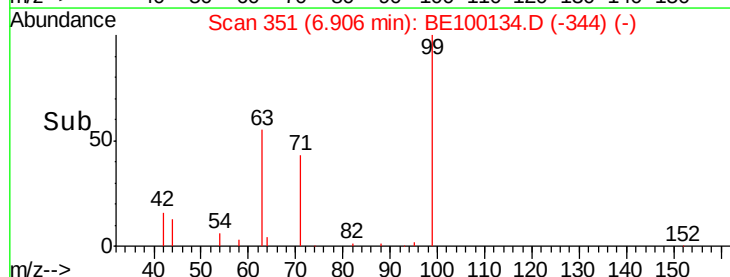
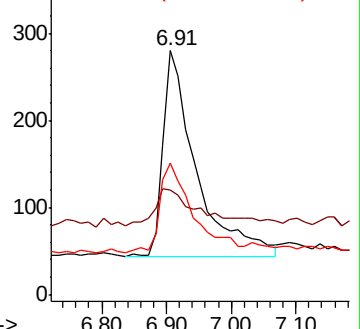
71 43.9 37.6 56.4

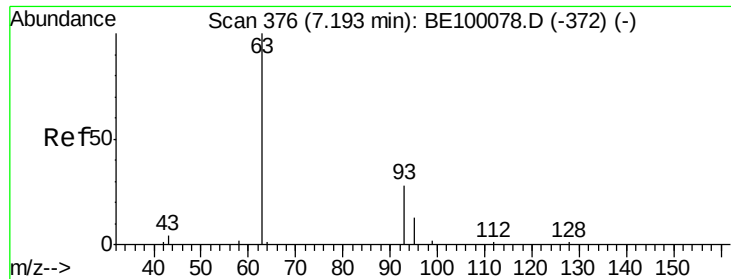


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.346 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.03 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

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ClientSampleId :

PST-084-B045-061319MSD

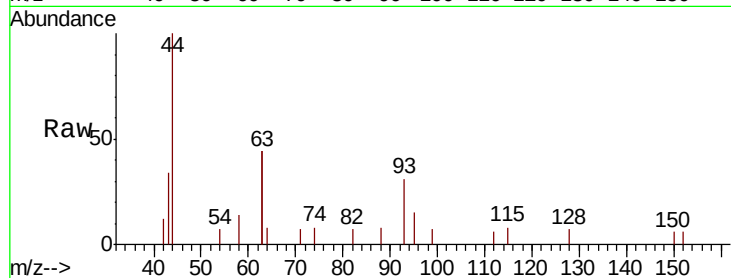
Tgt Ion: 93 Resp: 561

Ion Ratio Lower Upper

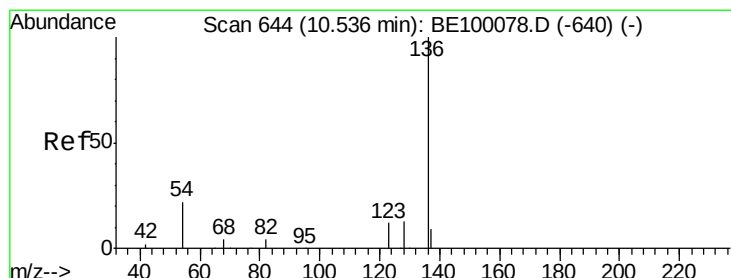
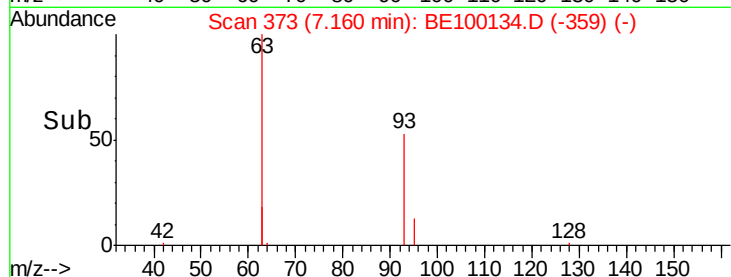
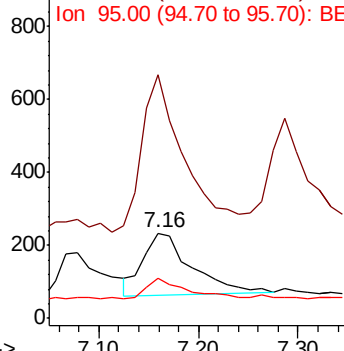
93 100

63 226.6 200.0 300.0

95 29.6 24.0 36.0



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: 10.52 min Scan# 643

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Tgt Ion: 136 Resp: 2164

Ion Ratio Lower Upper

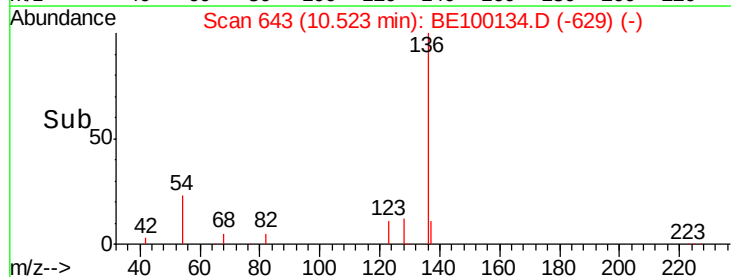
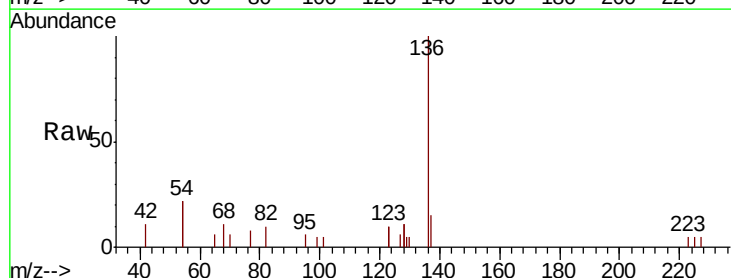
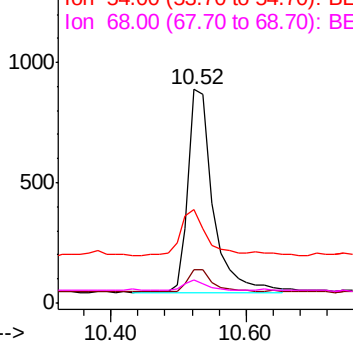
136 100

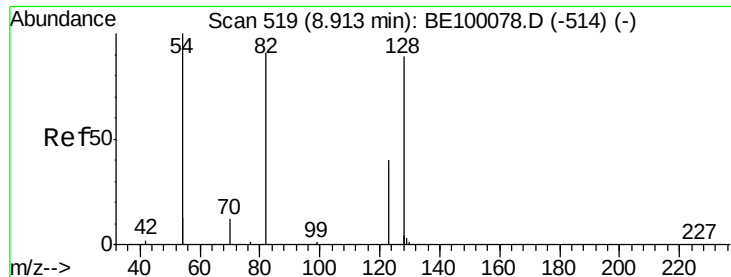
137 15.3 11.6 17.4

54 43.9 33.9 50.9

68 11.0 7.8 11.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.402 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

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ClientSampleId :

PST-084-B045-061319MSD

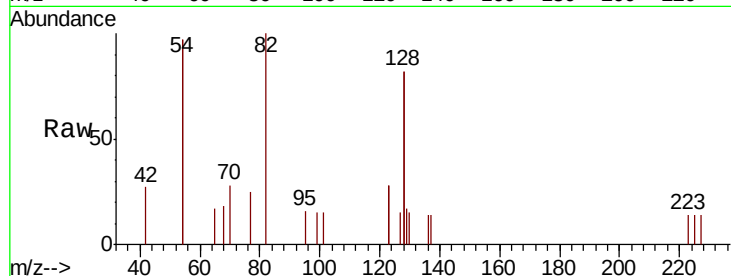
Tgt Ion: 82 Resp: 843

Ion Ratio Lower Upper

82 100

128 163.7 128.0 192.0

54 194.5 143.4 215.0



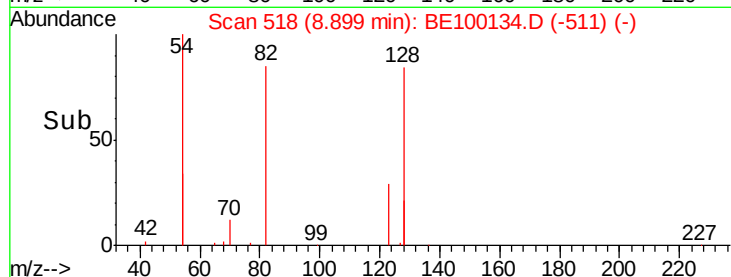
Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

8.90

Time-->



Abundance

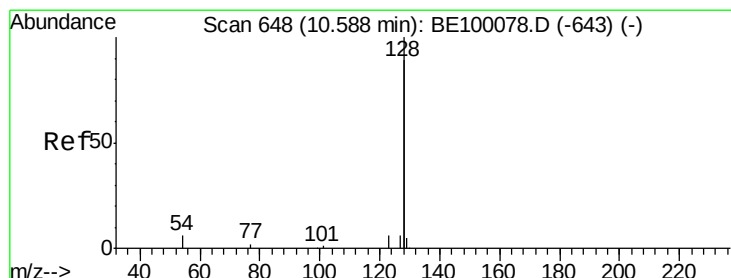
Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

8.90

Time-->



#9

Naphthalene

Concen: 0.388 ng

RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

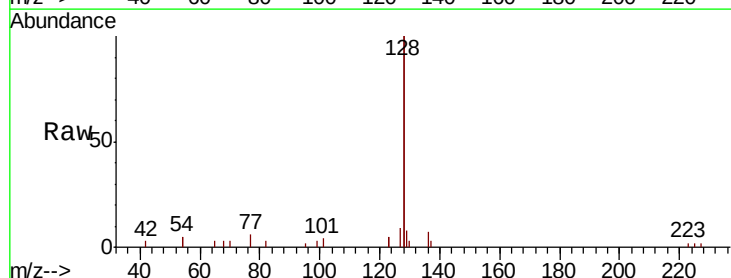
Tgt Ion: 128 Resp: 9127

Ion Ratio Lower Upper

128 100

129 3.9 3.1 4.7

127 4.3 3.4 5.2



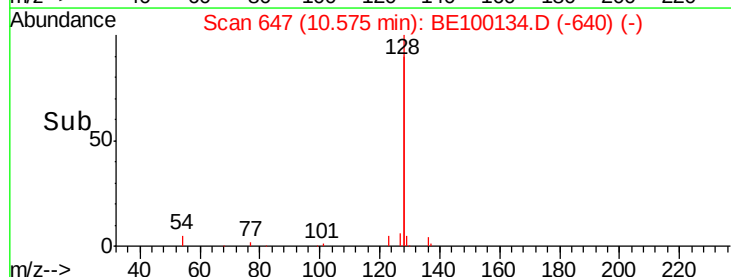
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.58

Time-->



Abundance

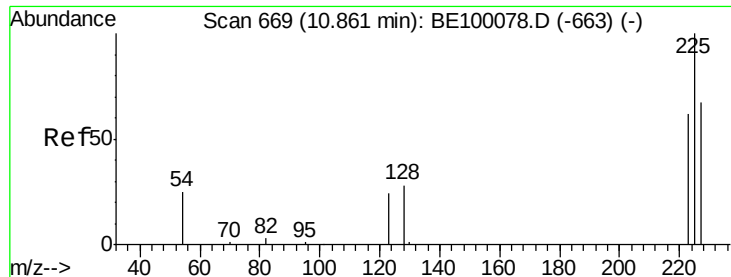
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.58

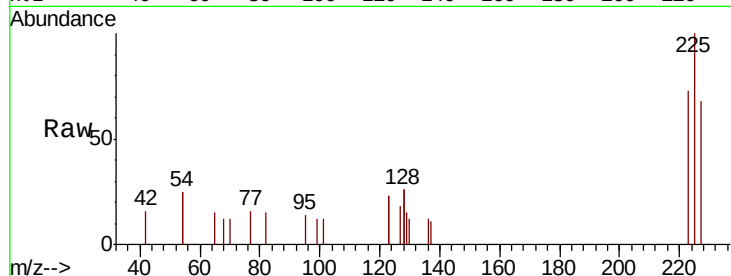
Time-->



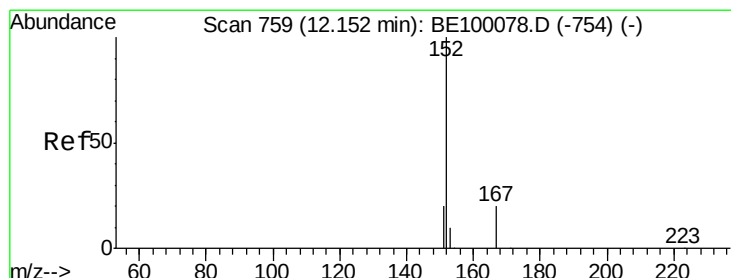
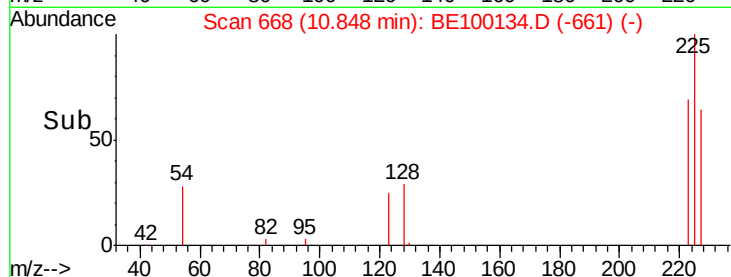
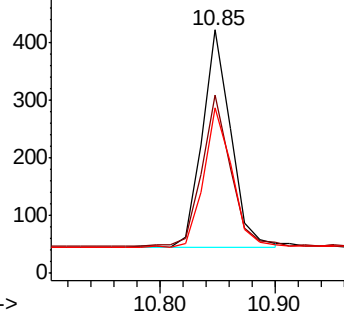
#10
Hexachlorobutadiene
Concen: 0.284 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Instrument :
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PST-084-B045-061319MSD

Tgt Ion: 225 Resp: 657
Ion Ratio Lower Upper
225 100
223 69.7 52.2 78.4
227 64.2 53.0 79.6

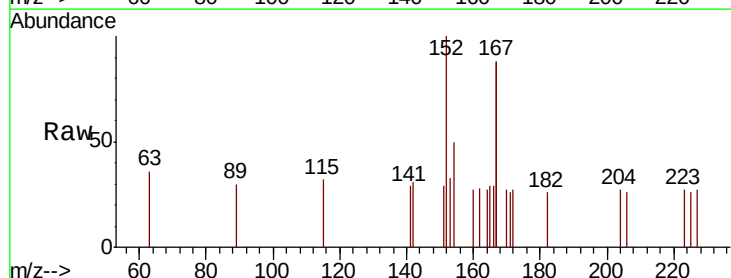


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

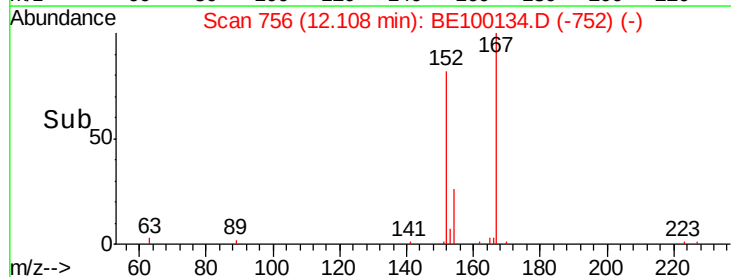
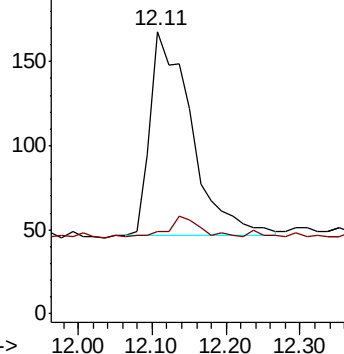


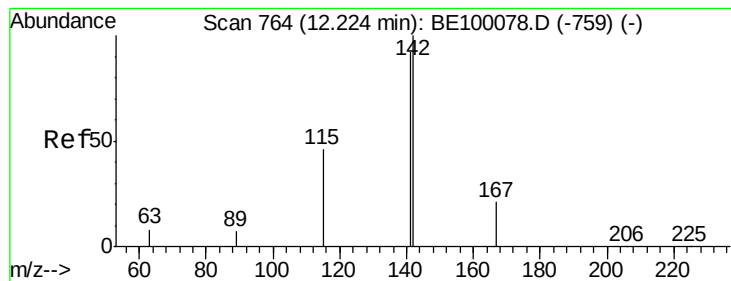
#11
2-Methylnaphthalene-d10
Concen: 0.114 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.04 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Tgt Ion: 152 Resp: 468
Ion Ratio Lower Upper
152 100
151 0.0 16.3 24.5#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.416 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.02 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

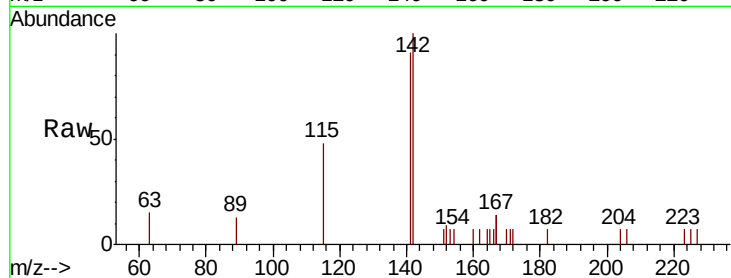
Tgt Ion:142 Resp: 1607

Ion Ratio Lower Upper

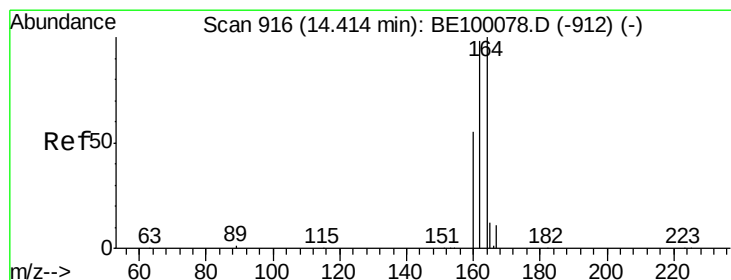
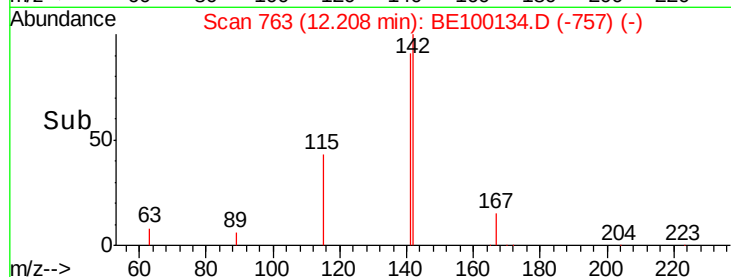
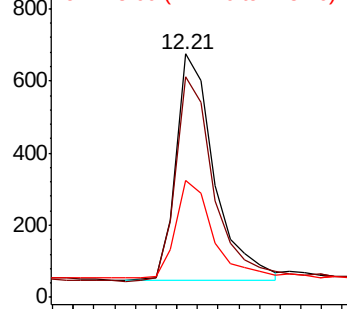
142 100

141 90.8 74.1 111.1

115 47.9 40.9 61.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.02 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

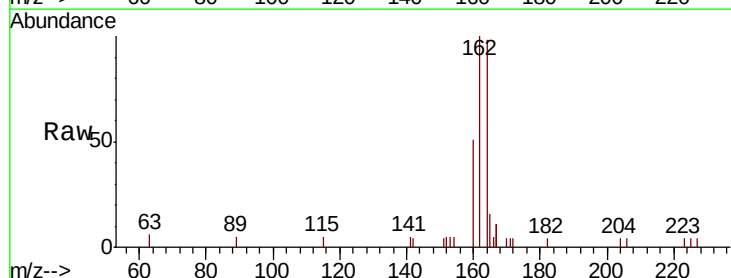
Tgt Ion:164 Resp: 1929

Ion Ratio Lower Upper

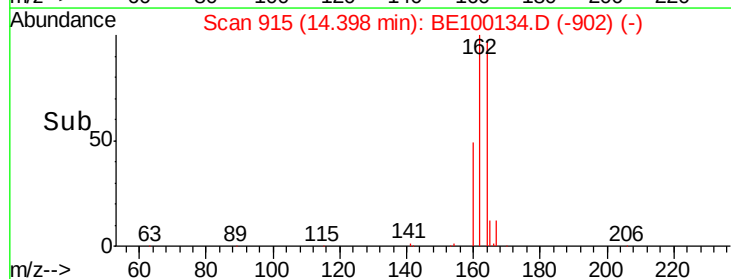
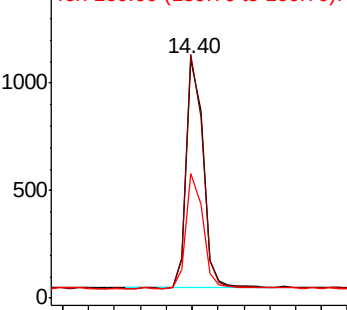
164 100

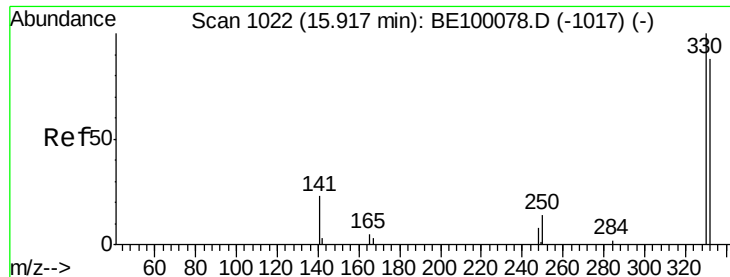
162 102.1 78.2 117.2

160 52.5 45.6 68.4



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

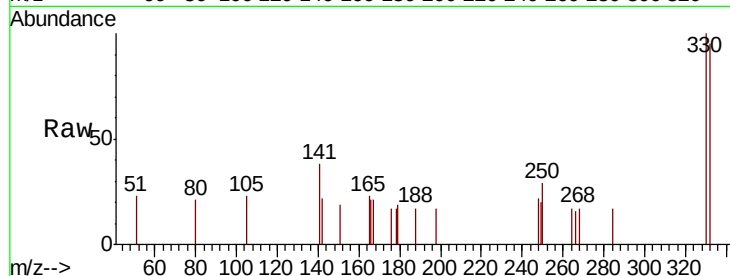




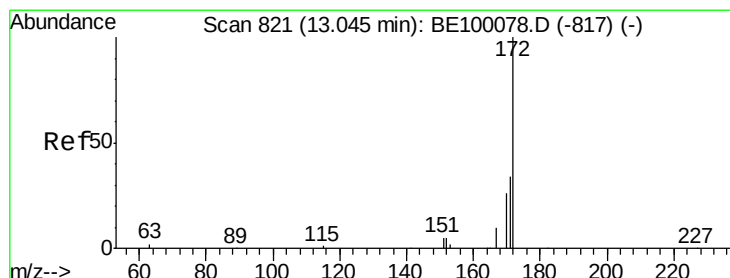
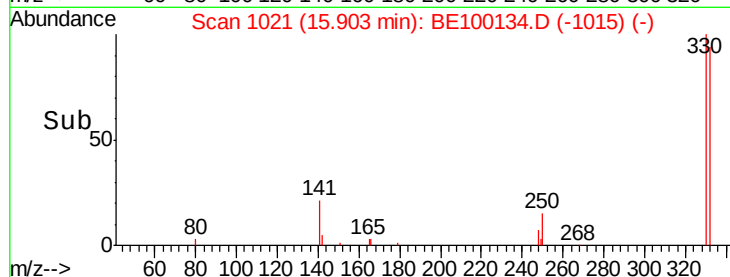
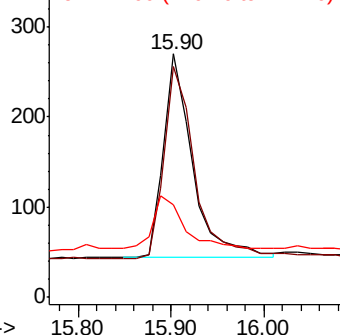
#14
 2,4,6-Tribromophenol
 Concen: 0.462 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100134.D
 Acq: 21 Jun 2019 13:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319MSD

Tgt Ion: 330 Resp: 492
 Ion Ratio Lower Upper
 330 100
 332 104.9 73.3 109.9
 141 27.8 22.2 33.2

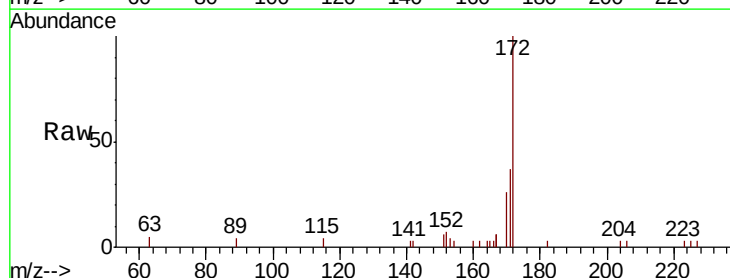


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

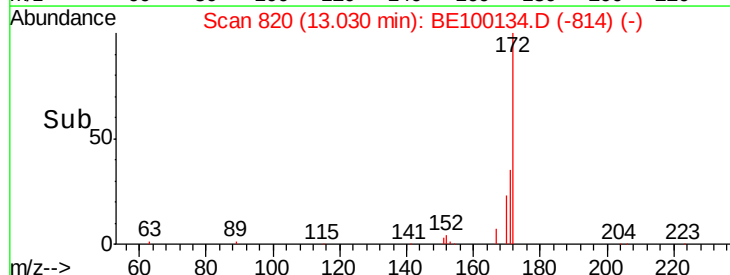
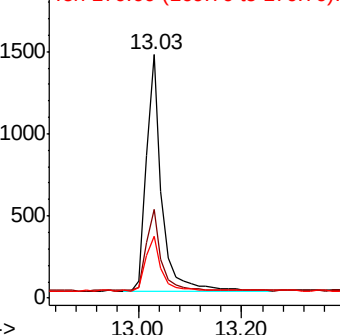


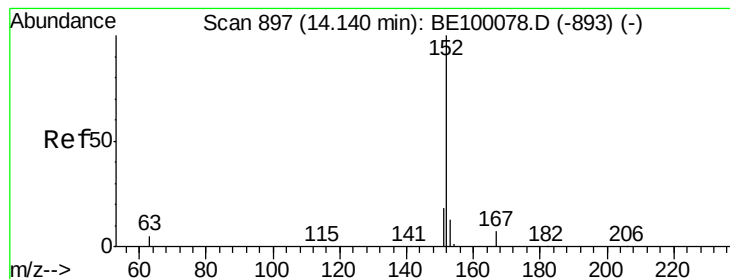
#15
 2-Fluorobiphenyl
 Concen: 0.395 ng
 RT: 13.03 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BE100134.D
 Acq: 21 Jun 2019 13:52

Tgt Ion: 172 Resp: 2996
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.8 44.8
 170 25.5 23.2 34.8



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: 0.423 ng

RT: 14.12 min Scan# 896

Delta R.T. -0.02 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

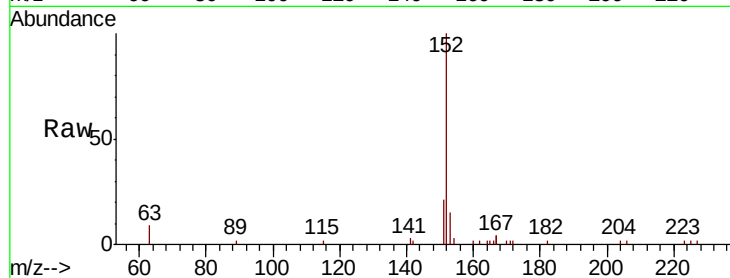
Tgt Ion:152 Resp: 3869

Ion Ratio Lower Upper

152 100

151 19.1 15.9 23.9

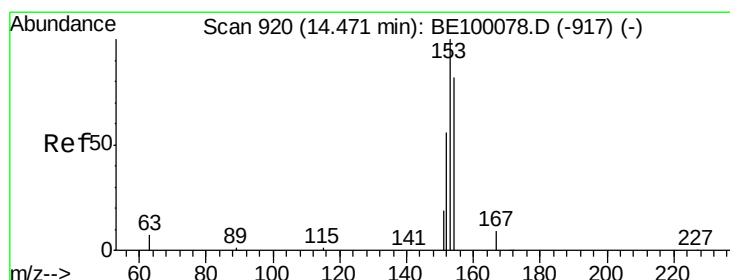
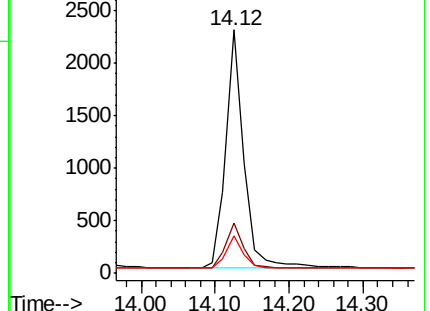
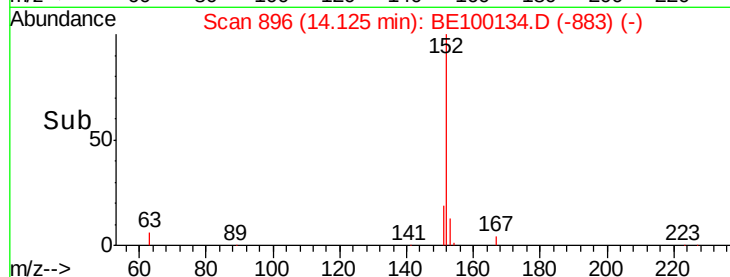
153 12.6 10.1 15.1



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: 0.380 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.00 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

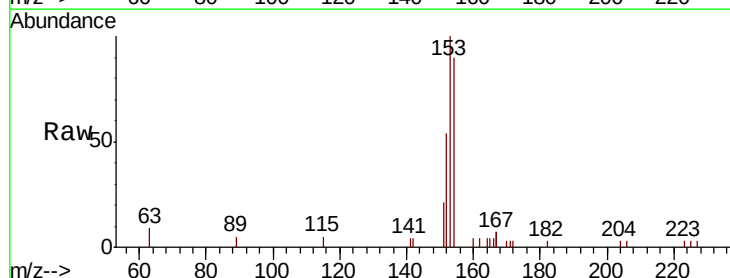
Tgt Ion:154 Resp: 1947

Ion Ratio Lower Upper

154 100

153 113.2 95.5 143.3

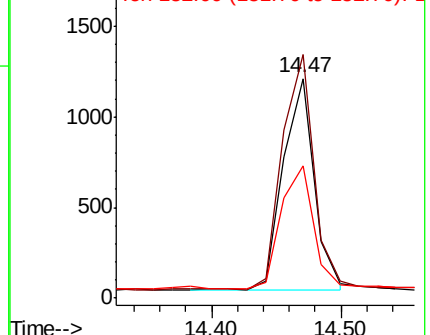
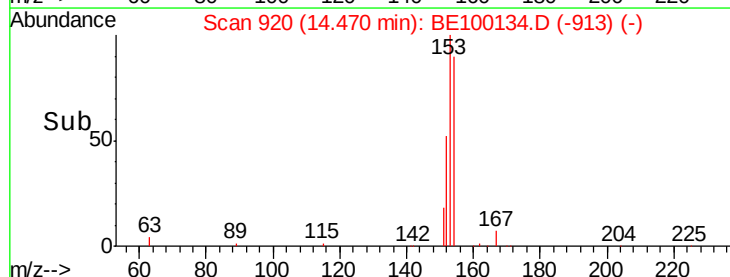
152 60.5 54.9 82.3

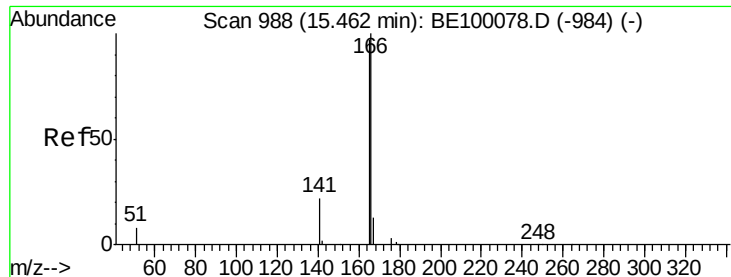


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

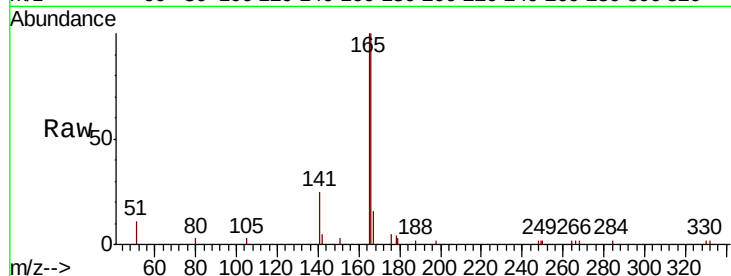




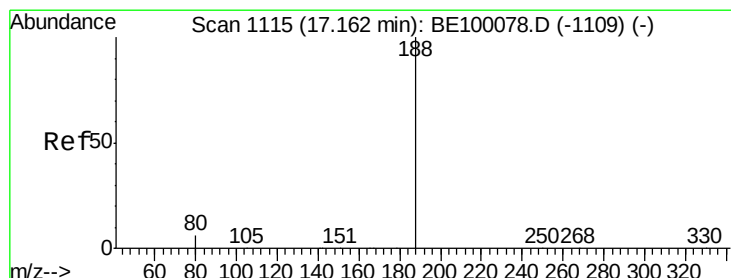
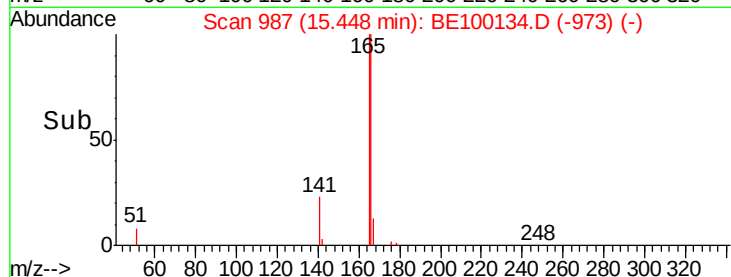
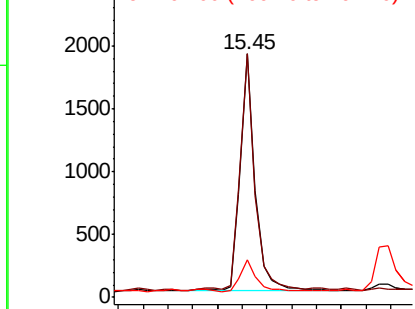
#18
 Fluorene
 Concen: 0.418 ng
 RT: 15.45 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BE100134.D
 Acq: 21 Jun 2019 13:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319MSD

Tgt Ion:166 Resp: 3191
 Ion Ratio Lower Upper
 166 100
 165 98.8 79.8 119.8
 167 13.7 10.2 15.4

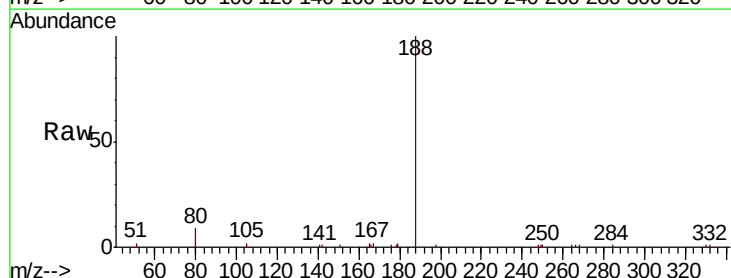


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

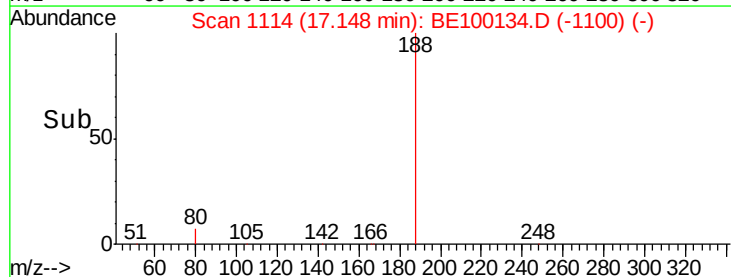
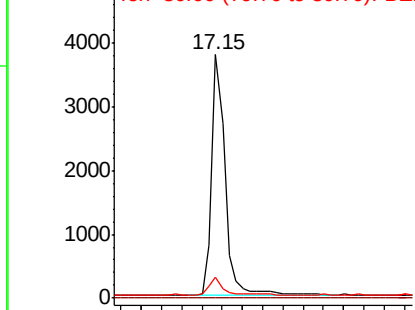


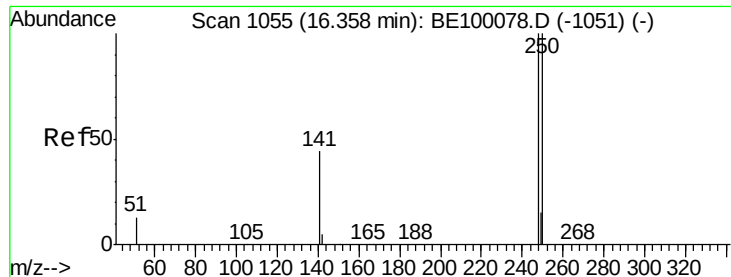
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.15 min Scan# 1114
 Delta R.T. -0.01 min
 Lab File: BE100134.D
 Acq: 21 Jun 2019 13:52

Tgt Ion:188 Resp: 6917
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.5 6.3 9.5



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

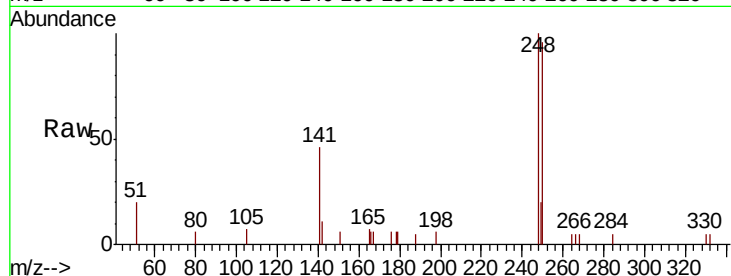




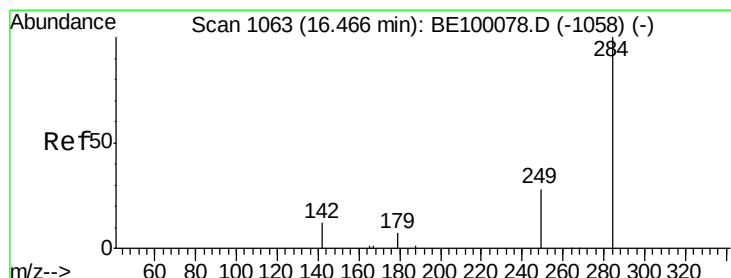
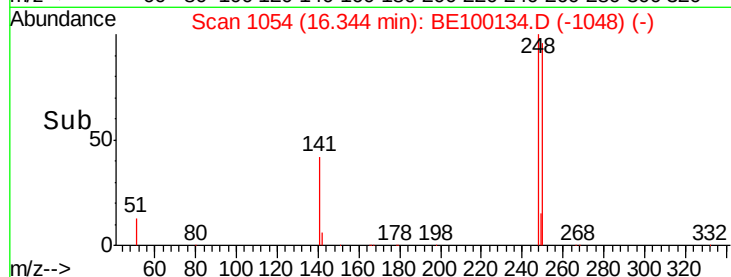
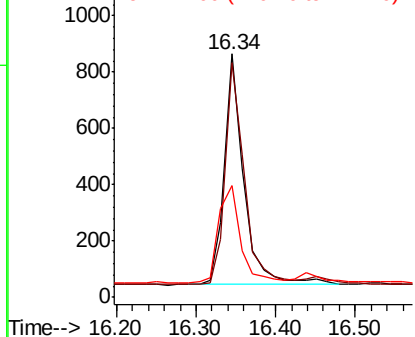
#20
4-Bromophenyl-phenylether
Concen: 0.343 ng
RT: 16.34 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319MSD

Tgt Ion:248 Resp: 1409
Ion Ratio Lower Upper
248 100
250 96.2 80.6 120.8
141 45.8 38.8 58.2

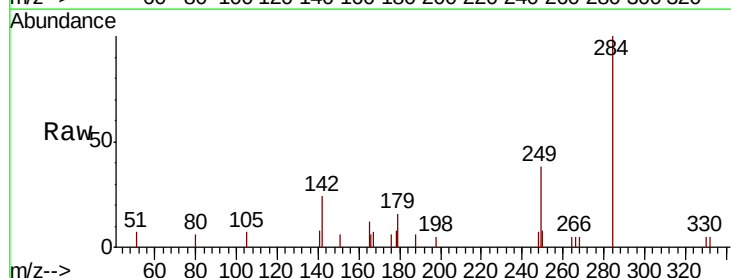


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

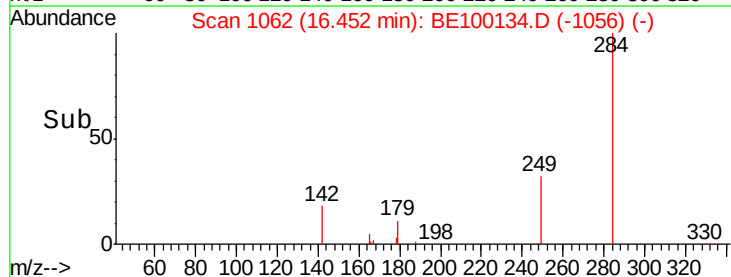
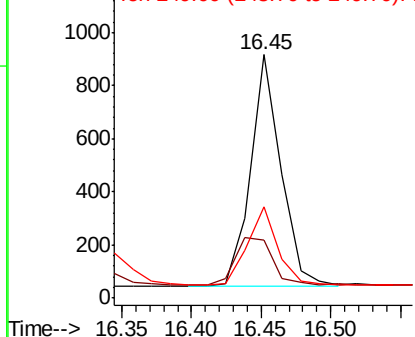


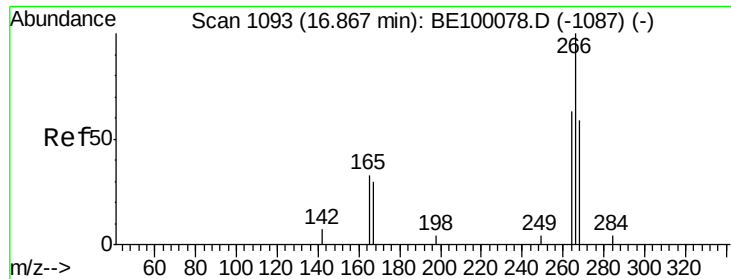
#21
Hexachlorobenzene
Concen: 0.290 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Tgt Ion:284 Resp: 1315
Ion Ratio Lower Upper
284 100
142 24.7 20.7 31.1
249 33.6 26.6 39.8



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: 0.782 ng

RT: 16.81 min Scan# 1089

Delta R.T. -0.05 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

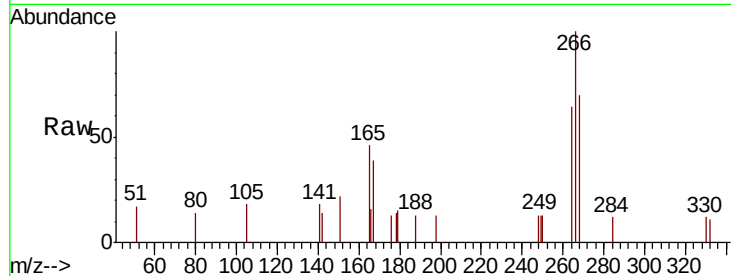
Tgt Ion: 266 Resp: 796

Ion Ratio Lower Upper

266 100

264 64.2 67.8 101.6#

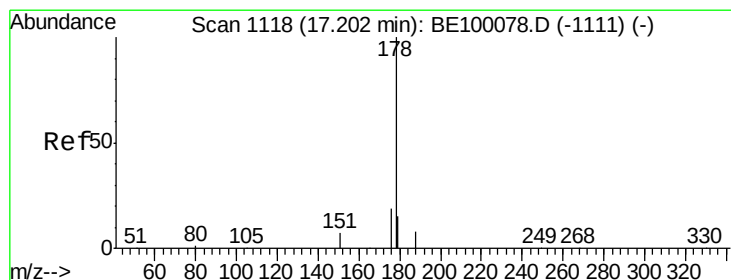
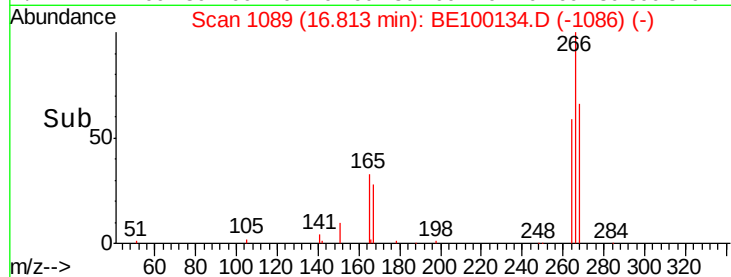
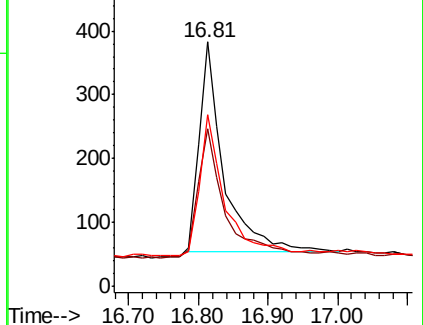
268 70.0 70.0 105.0#



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: 0.619 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

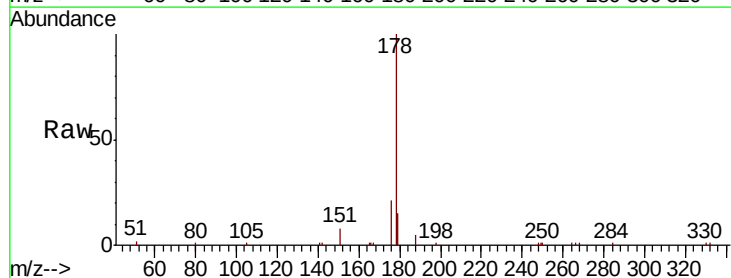
Tgt Ion: 178 Resp: 10262

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

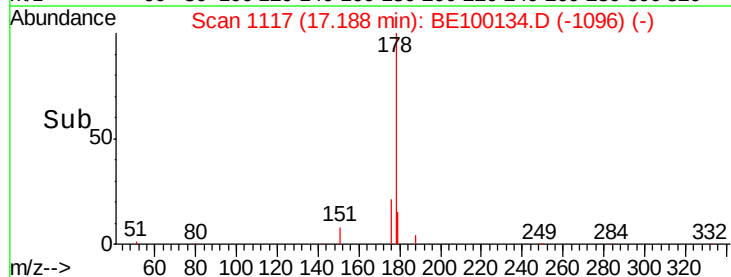
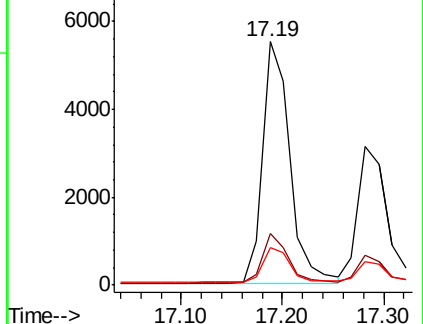
179 15.1 13.1 19.7

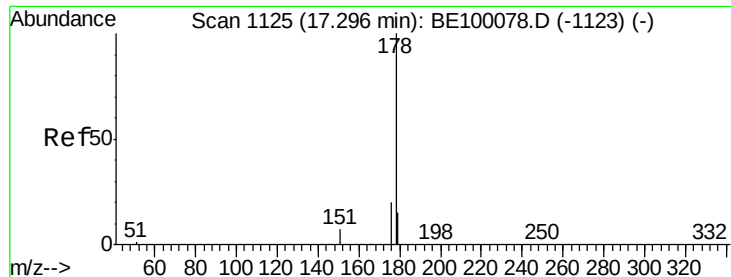


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.421 ng

RT: 17.28 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

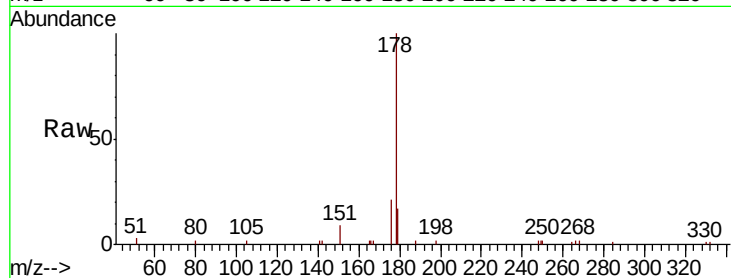
Tgt Ion:178 Resp: 5884

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

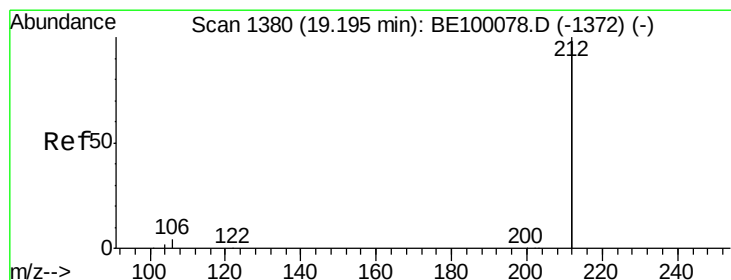
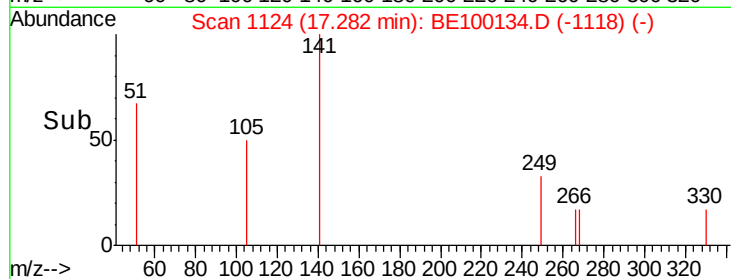
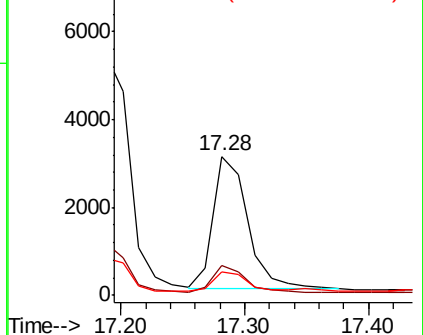
179 14.1 12.0 18.0



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: 0.032 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

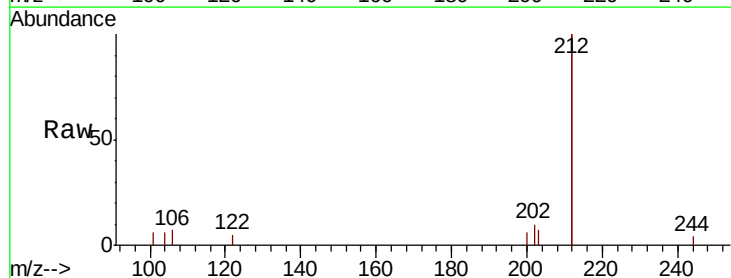
Tgt Ion:212 Resp: 3155

Ion Ratio Lower Upper

212 100

106 2.2 1.4 2.0#

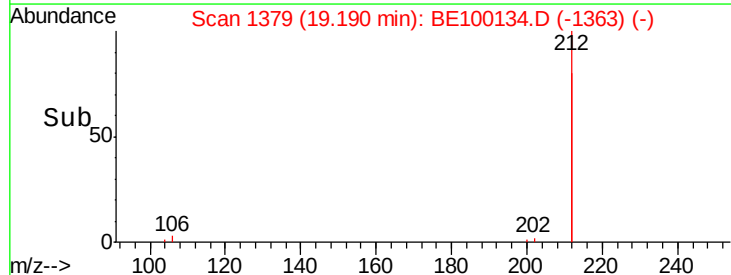
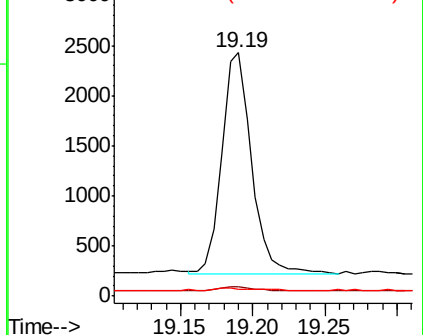
104 1.1 0.8 1.2

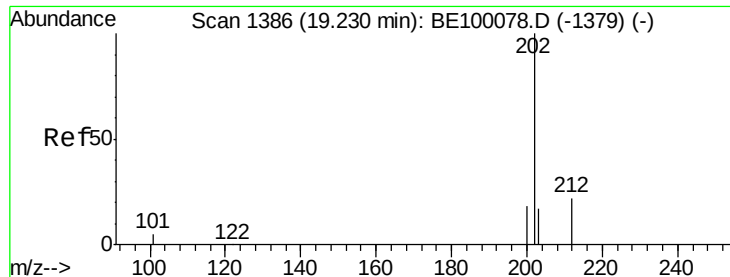


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

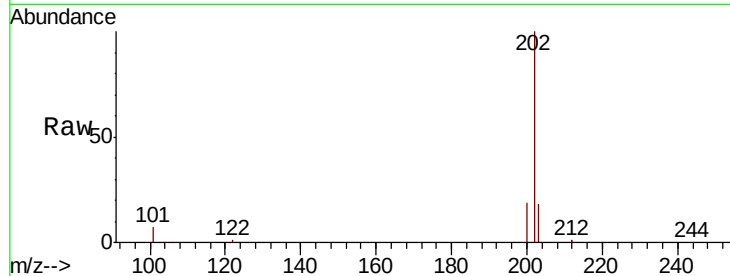




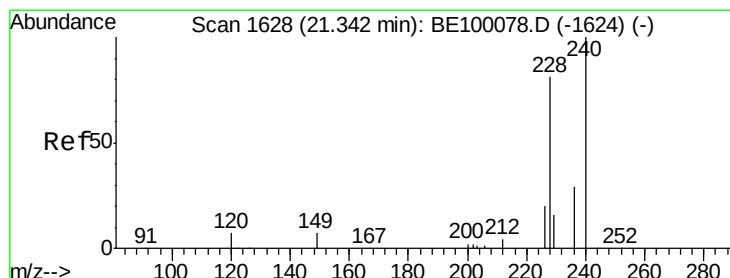
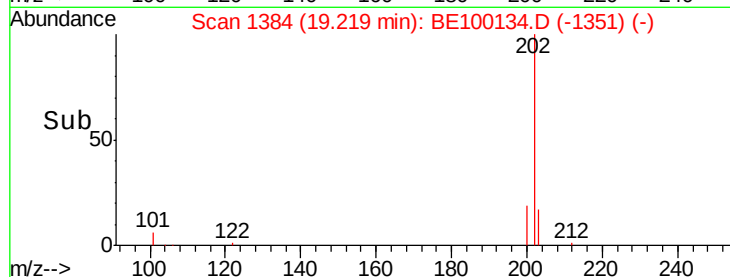
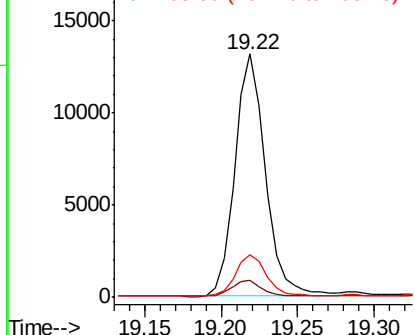
#26
Fluoranthene
Concen: 0.689 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319MSD

Tgt Ion: 202 Resp: 18336
Ion Ratio Lower Upper
202 100
101 6.5 5.0 7.4
203 17.2 13.7 20.5

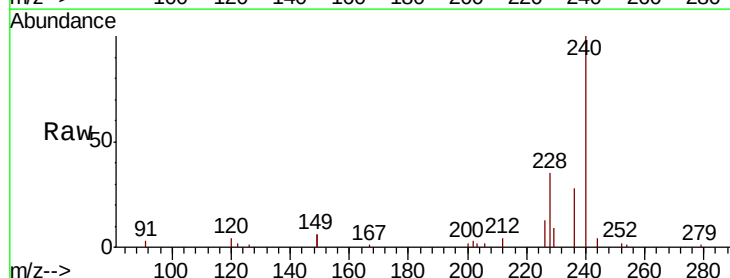


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

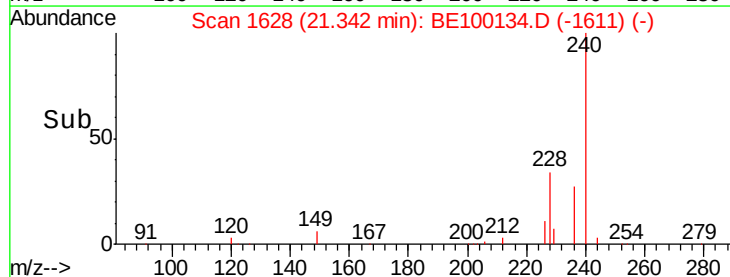
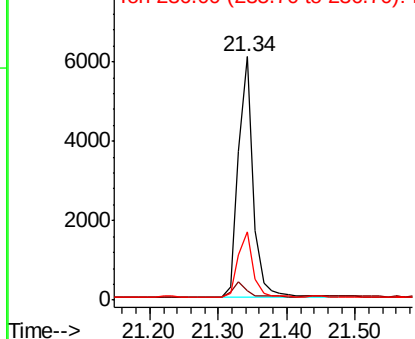


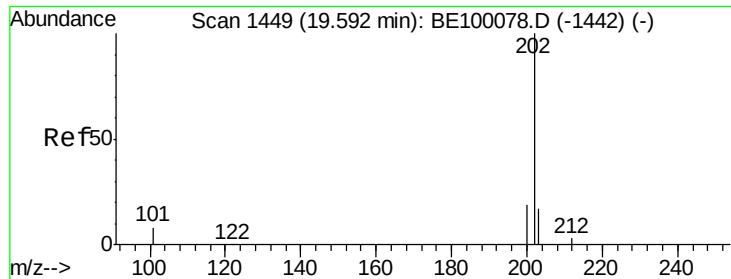
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Tgt Ion: 240 Resp: 9275
Ion Ratio Lower Upper
240 100
120 3.9 6.6 10.0#
236 28.2 23.8 35.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

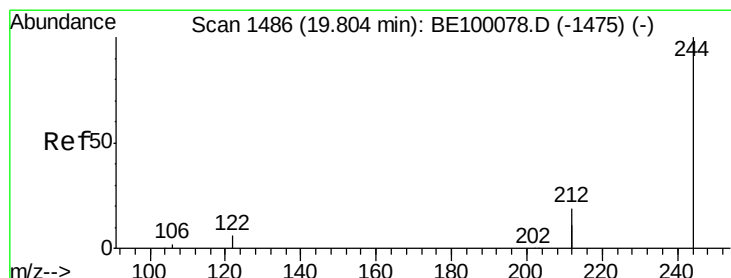
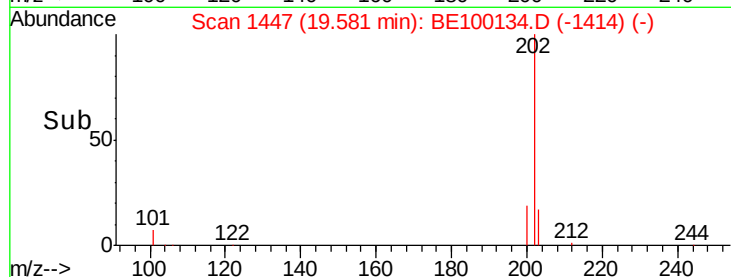
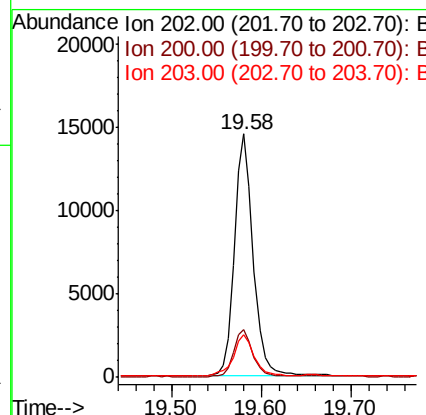
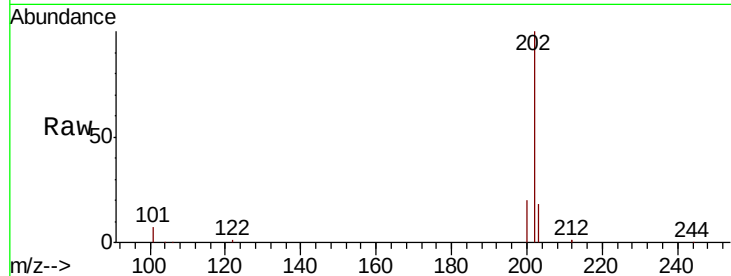




#28
Pyrene
Concen: 0.875 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

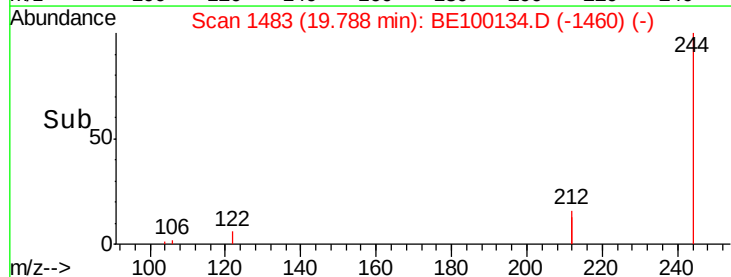
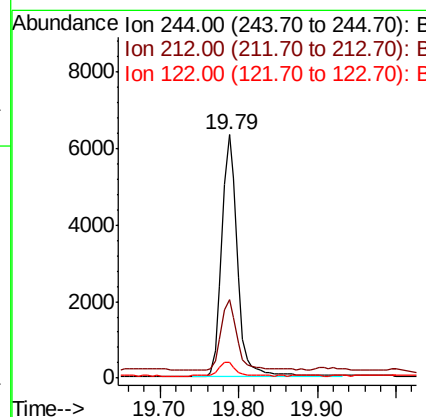
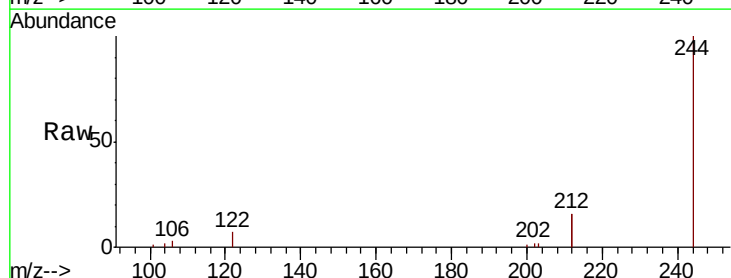
Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319MSD

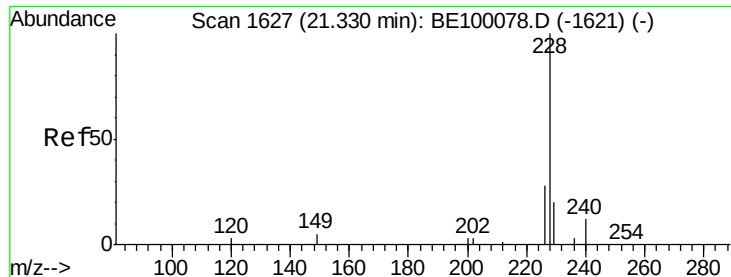
Tgt Ion: 202 Resp: 20849
Ion Ratio Lower Upper
202 100
200 19.5 15.6 23.4
203 18.5 13.9 20.9



#29
Terphenyl-d14
Concen: 0.465 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100134.D
Acq: 21 Jun 2019 13:52

Tgt Ion: 244 Resp: 8624
Ion Ratio Lower Upper
244 100
212 32.3 29.8 44.8
122 6.6 6.1 9.1





#30

Benzo(a)anthracene

Concen: 0.677 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

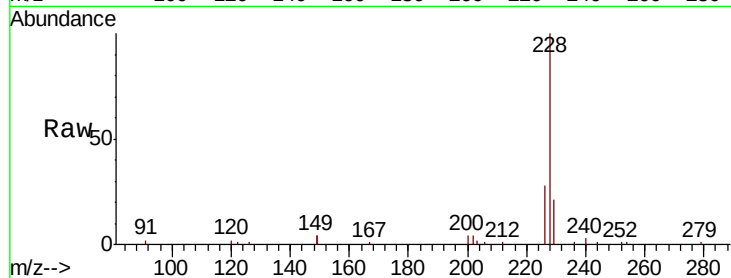
Tgt Ion:228 Resp: 18684

Ion Ratio Lower Upper

228 100

226 27.9 23.0 34.4

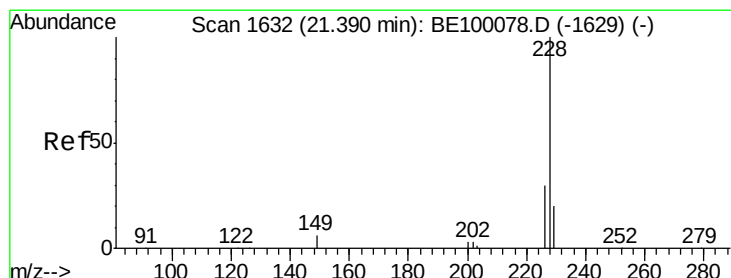
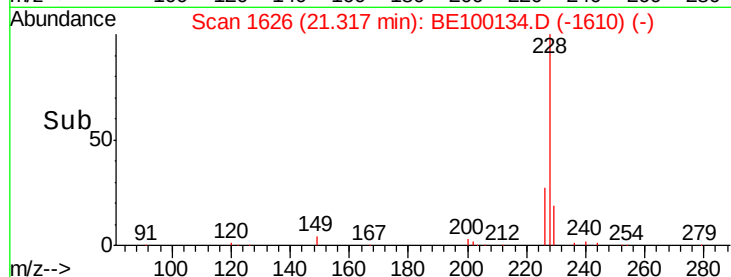
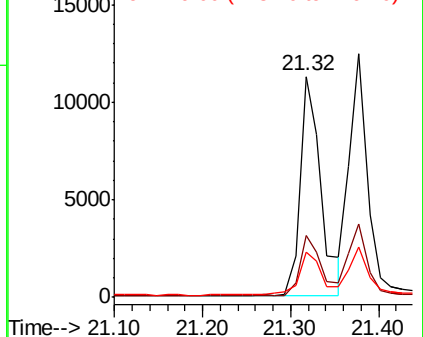
229 20.6 16.4 24.6



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: 0.551 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

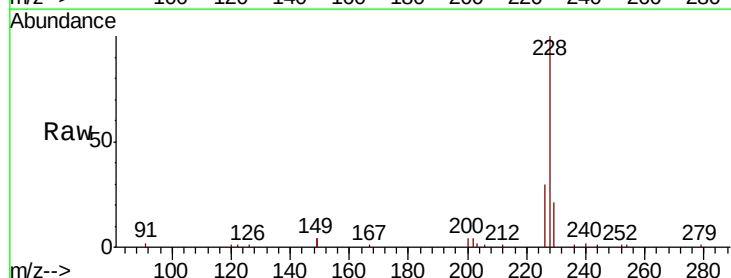
Tgt Ion:228 Resp: 17669

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

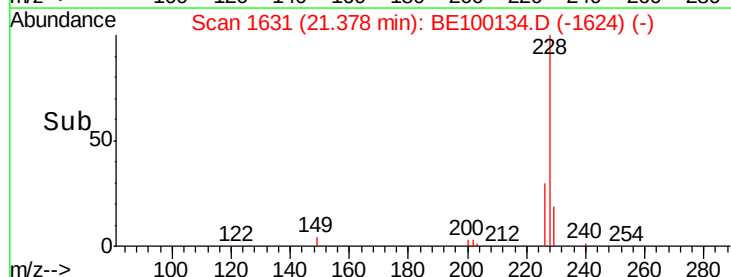
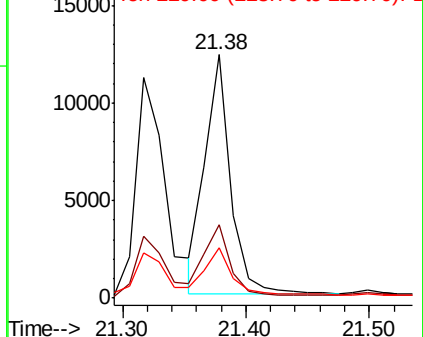
229 20.9 16.3 24.5

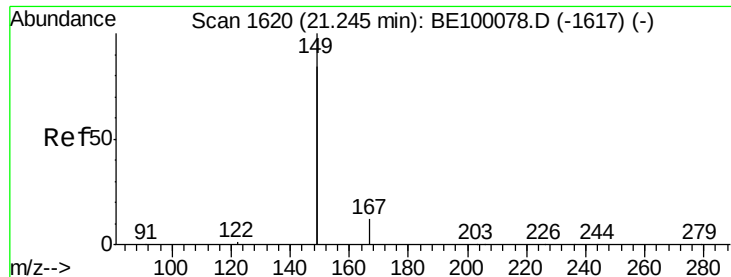


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

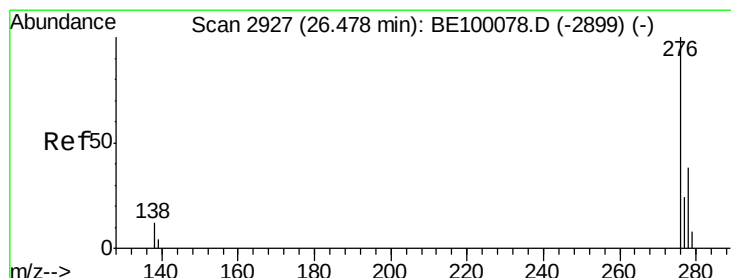
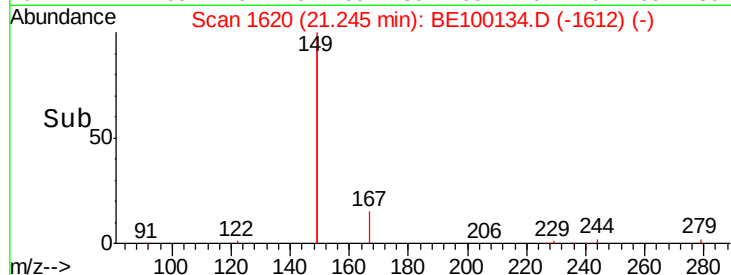
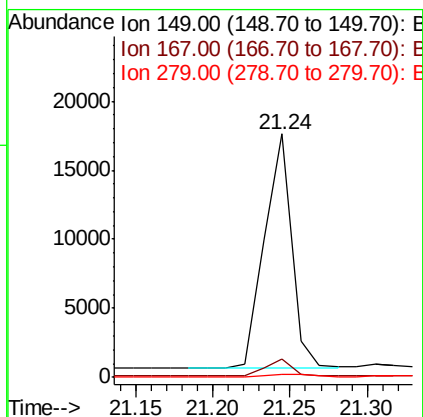
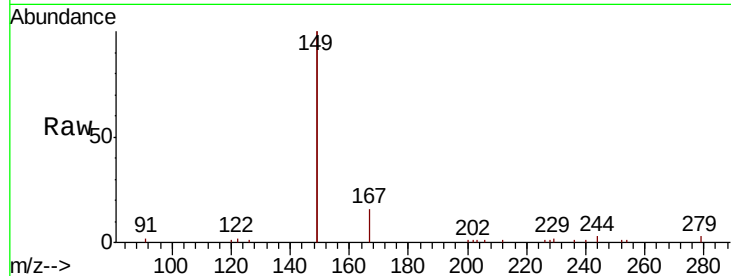




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.807 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BE100134.D
 Acq: 21 Jun 2019 13:52

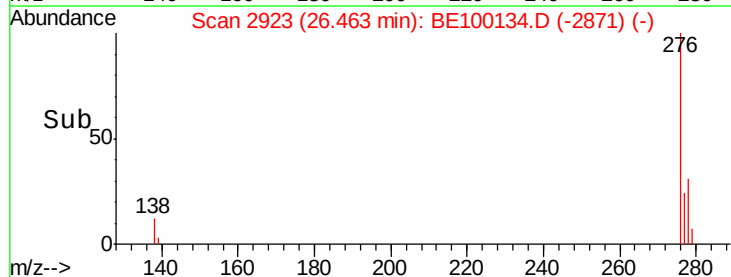
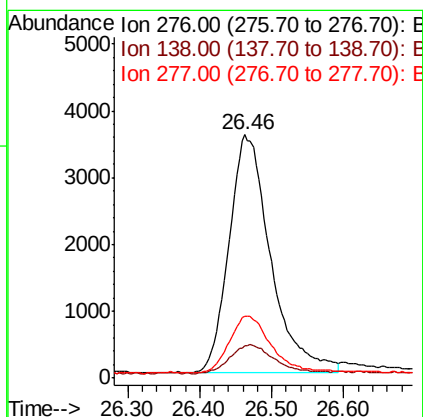
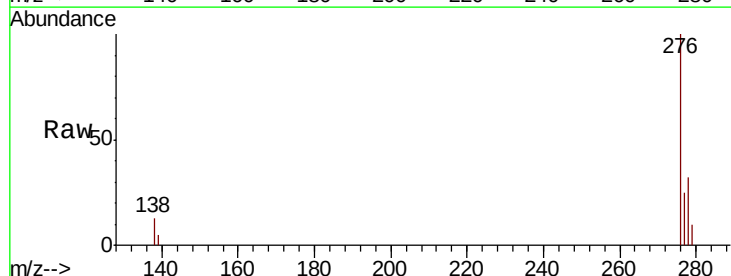
Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319MSD

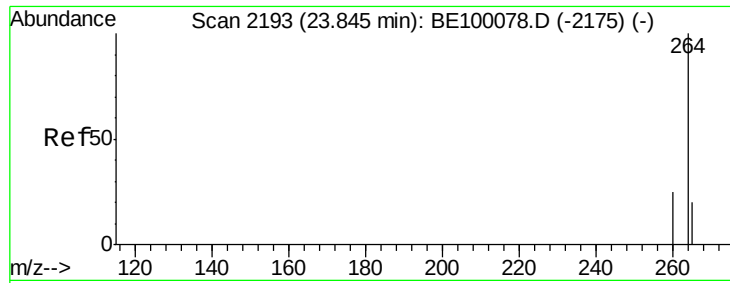
Tgt Ion:149 Resp: 21022
 Ion Ratio Lower Upper
 149 100
 167 7.2 5.8 8.6
 279 1.2 1.1 1.7



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.388 ng
 RT: 26.46 min Scan# 2923
 Delta R.T. -0.01 min
 Lab File: BE100134.D
 Acq: 21 Jun 2019 13:52

Tgt Ion:276 Resp: 14008
 Ion Ratio Lower Upper
 276 100
 138 12.5 4.3 6.5#
 277 23.8 19.4 29.0





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

PST-084-B045-061319MSD

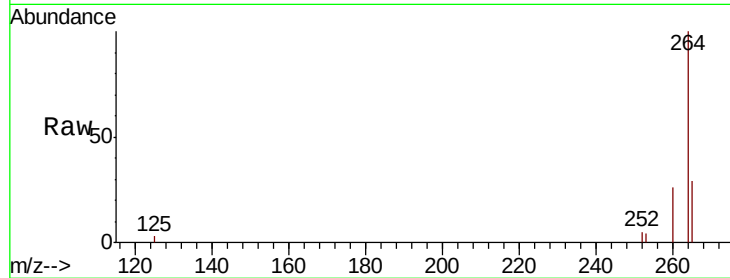
Tgt Ion:264 Resp: 10712

Ion Ratio Lower Upper

264 100

260 26.0 20.8 31.2

265 28.9 23.2 34.8

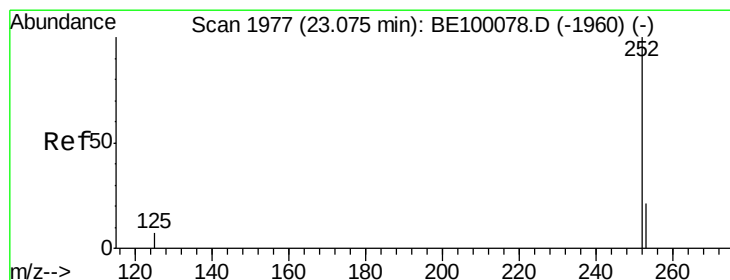
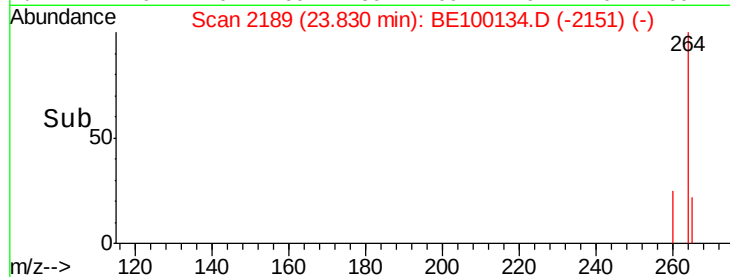
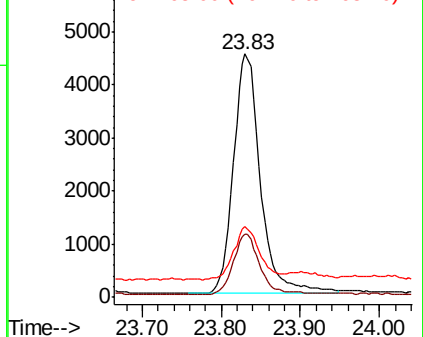


Abundance

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: 0.436 ng

RT: 23.11 min Scan# 1987

Delta R.T. 0.04 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

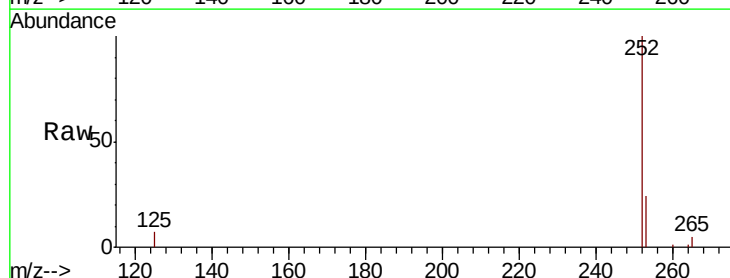
Tgt Ion:252 Resp: 13712

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

125 7.3 6.4 9.6

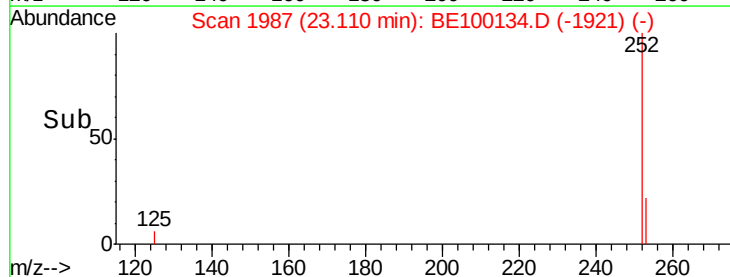
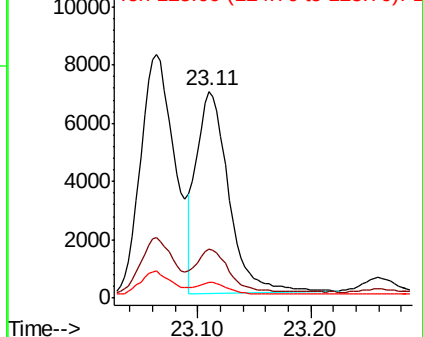


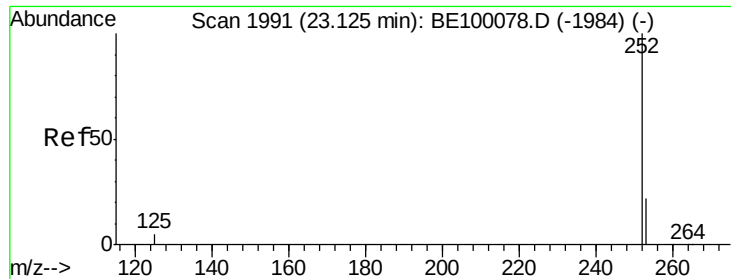
Abundance

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





#36

Benzo(k)fluoranthene

Concen: 0.396 ng

RT: 23.11 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

BNA_E

ClientSampleId :

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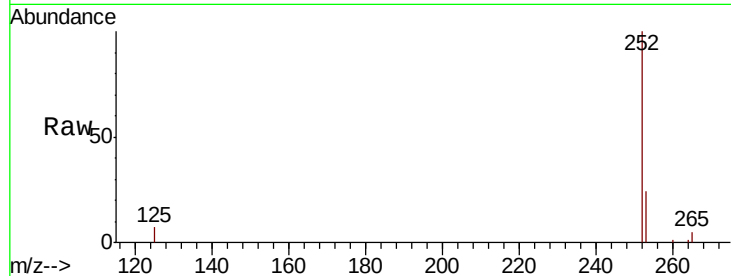
Tgt Ion:252 Resp: 14151

Ion Ratio Lower Upper

252 100

253 23.9 18.9 28.3

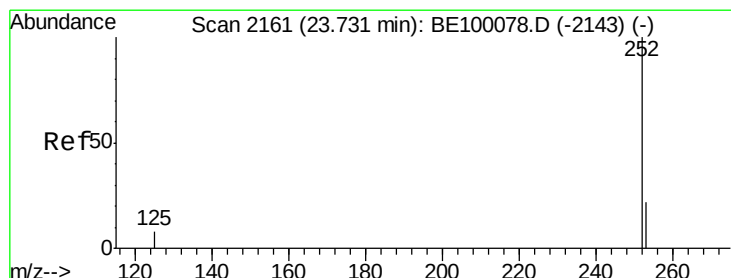
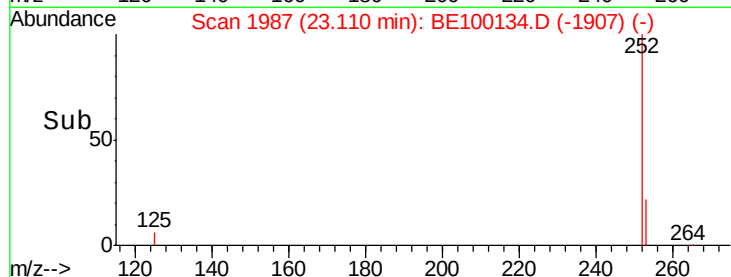
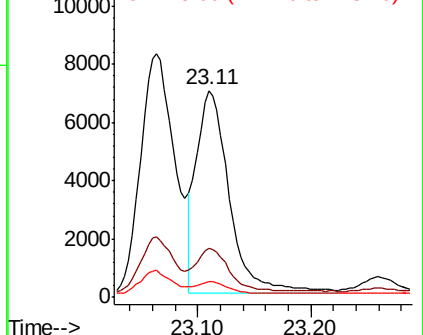
125 7.3 5.3 7.9



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: 0.486 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

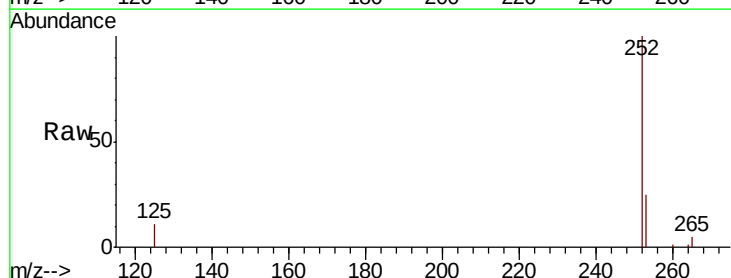
Tgt Ion:252 Resp: 14741

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.2

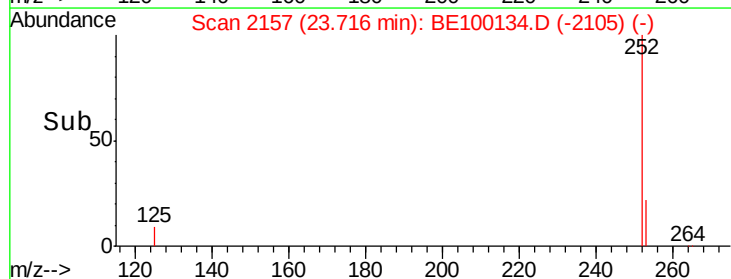
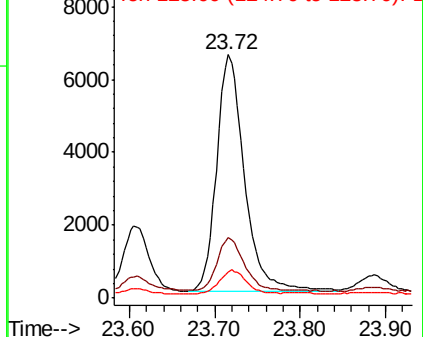
125 10.8 8.0 12.0

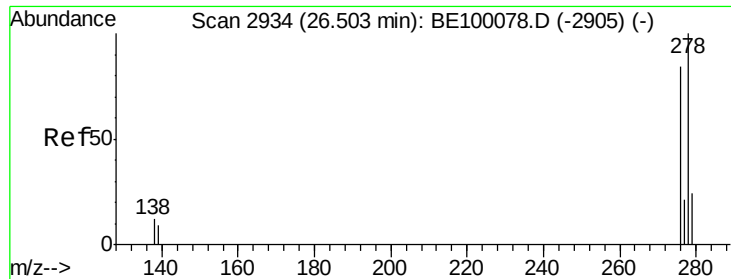


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.304 ng

RT: 26.49 min Scan# 2931

Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Instrument :

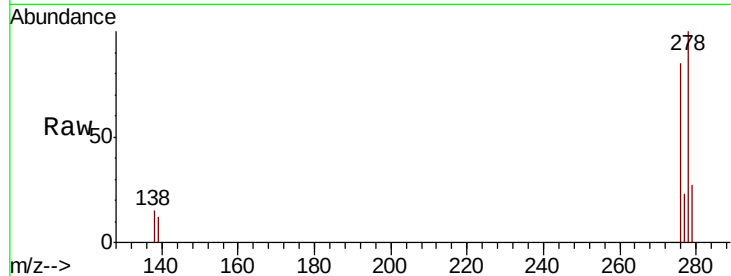
BNA_E

ClientSampleId :

PST-084-B045-061319MSD

Tgt Ion: 278 Resp: 9467

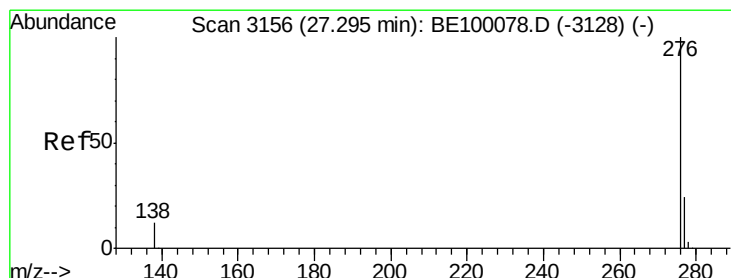
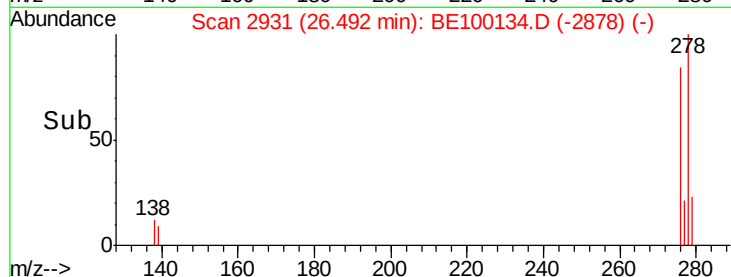
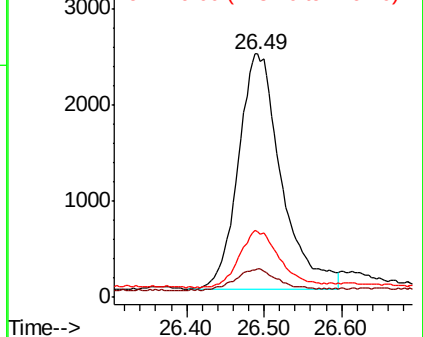
Ion	Ratio	Lower	Upper
278	100		
139	11.5	9.0	13.6
279	27.1	21.4	32.0



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: 0.410 ng

RT: 27.28 min Scan# 3152

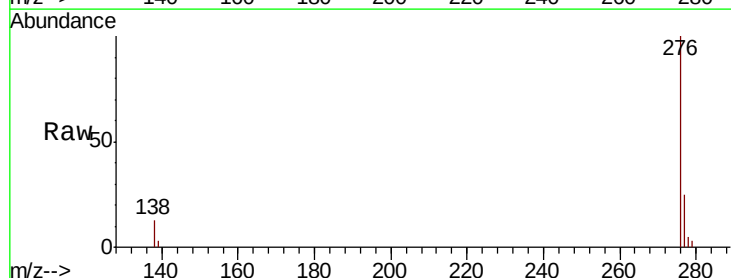
Delta R.T. -0.01 min

Lab File: BE100134.D

Acq: 21 Jun 2019 13:52

Tgt Ion: 276 Resp: 13262

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.3	30.5
138	13.0	11.3	16.9



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

