

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121919\
 Data File : BE100954.D
 Acq On : 19 Dec 2019 20:13
 Operator : JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 20 00:34:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 20 00:29:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	2619	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	13024	0.40	ng	0.00
13) Acenaphthene-d10	14.37	164	8277	0.40	ng	-0.02
19) Phenanthrene-d10	17.11	188	18689	0.40	ng	-0.01
27) Chrysene-d12	21.29	240	21721	0.40	ng	0.00
34) Perylene-d12	23.73	264	25032	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	27763	4.47	ng	0.00
5) Phenol-d6	6.93	99	45785	4.88	ng	-0.04
8) Nitrobenzene-d5	8.89	82	52109	8.40	ng	-0.02
11) 2-Methylnaphthalene-d10	12.12	152	100576	5.33	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	15838	17.20	ng	-0.01
15) 2-Fluorobiphenyl	13.00	172	147476	4.49	ng	-0.02
25) Fluoranthene-d10	19.14	212	1243142	5.63	ng	0.00
29) Terphenyl-d14	19.75	244	256614	4.93	ng	0.00

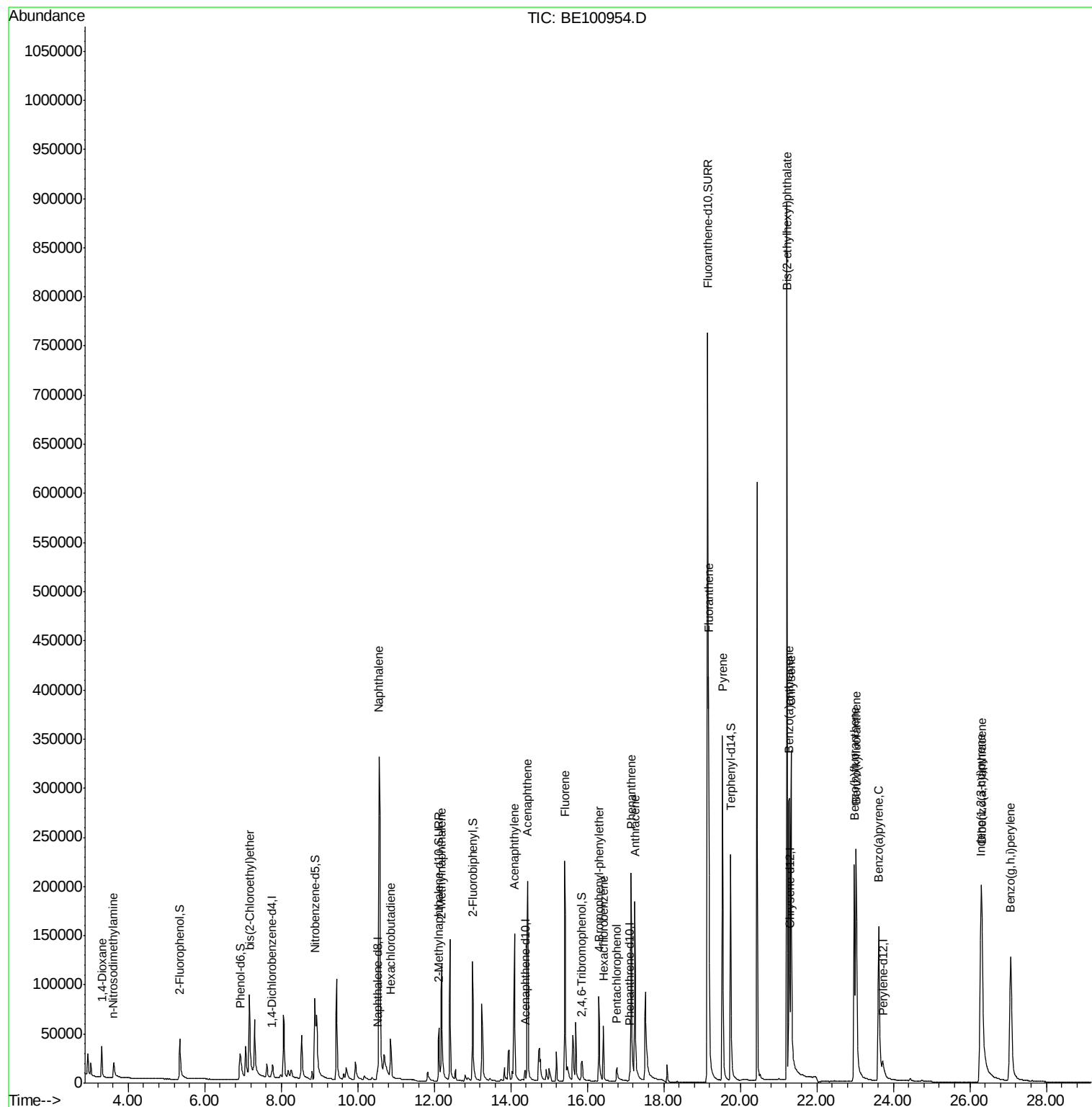
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	25376	5.314	ng	# 72
3) n-Nitrosodimethylamine	3.61	42	19452	5.005	ng	# 76
6) bis(2-Chloroethyl)ether	7.17	93	49430	5.452	ng	93
9) Naphthalene	10.56	128	706866	5.108	ng	99
10) Hexachlorobutadiene	10.86	225	27186	5.038	ng	98
12) 2-Methylnaphthalene	12.19	142	110794	5.127	ng	97
16) Acenaphthylene	14.10	152	194477	5.680	ng	98
17) Acenaphthene	14.44	154	118837	5.036	ng	98
18) Fluorene	15.41	166	159516	5.242	ng	100
20) 4-Bromophenyl-phenylether	16.31	248	46377	5.058	ng	90
21) Hexachlorobenzene	16.43	284	47709	4.789	ng	98
22) Pentachlorophenol	16.77	266	12925	18.759	ng	# 75
23) Phenanthrene	17.15	178	266258	4.703	ng	100
24) Anthracene	17.24	178	234718	4.958	ng	99
26) Fluoranthene	19.17	202	364996	5.402	ng	99
28) Pyrene	19.53	202	377972	5.356	ng	99
30) Benzo(a)anthracene	21.28	228	349587	5.460	ng	99
31) Chrysene	21.33	228	352942	4.692	ng	99
32) Bis(2-ethylhexyl)phthalate	21.22	149	923584	15.917	ng	99
33) Indeno(1,2,3-cd)pyrene	26.28	276	407986	6.226	ng	# 58
35) Benzo(b)fluoranthene	22.98	252	328090	4.788	ng	97
36) Benzo(k)fluoranthene	23.03	252	441452	5.744	ng	# 87
37) Benzo(a)pyrene	23.62	252	338836	5.711	ng	# 93
38) Dibenzo(a,h)anthracene	26.31	278	325018	5.506	ng	# 92
39) Benzo(g,h,i)perylene	27.07	276	354914	5.623	ng	98

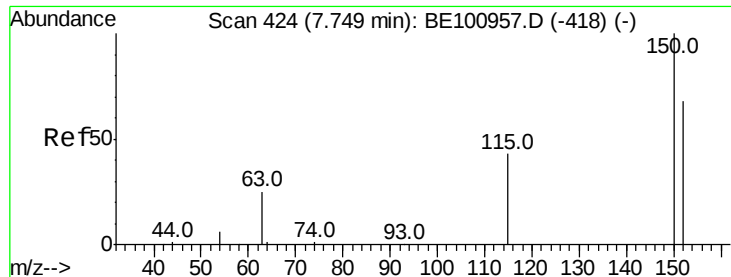
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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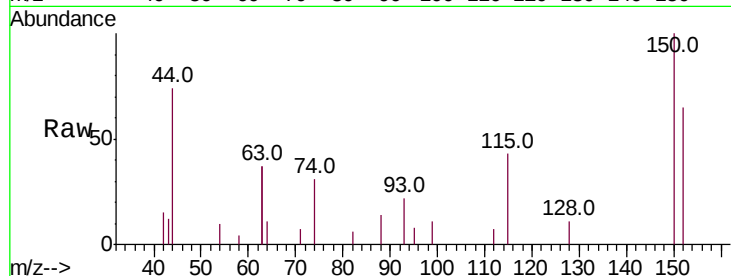


#1

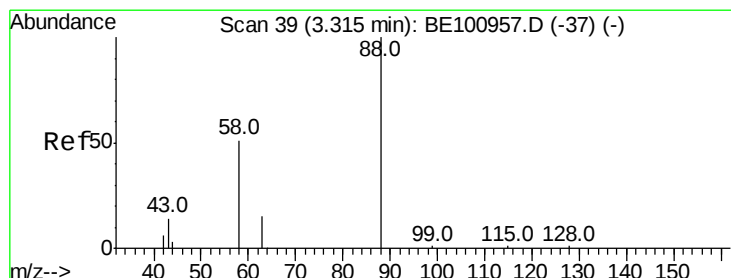
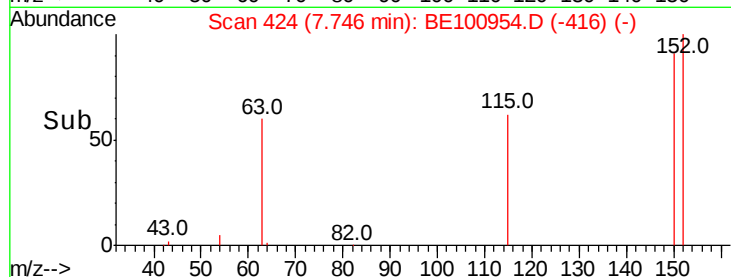
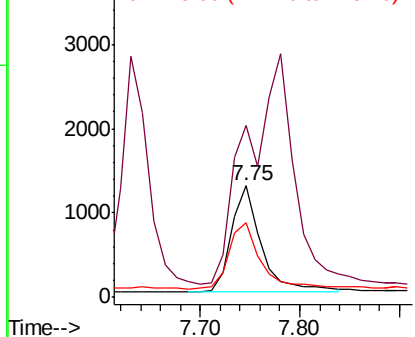
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 424
Delta R.T. -0.00 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2619
Ion Ratio Lower Upper
152 100
150 154.5 116.7 175.1
115 66.8 55.7 83.5



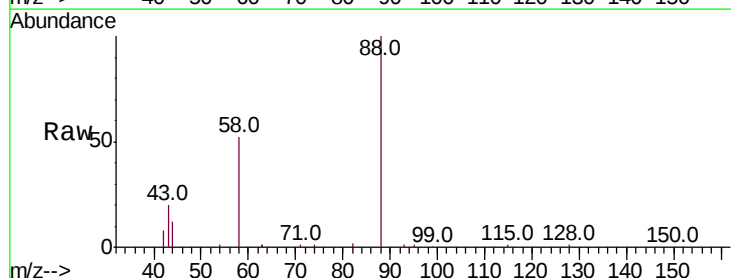
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



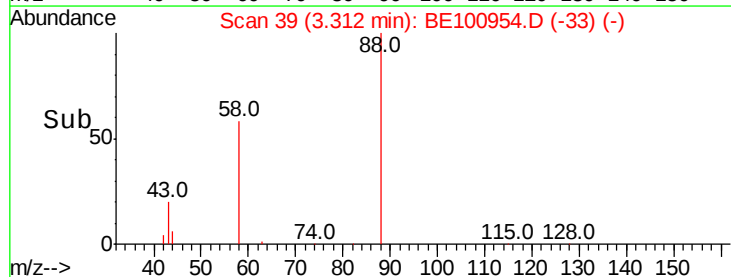
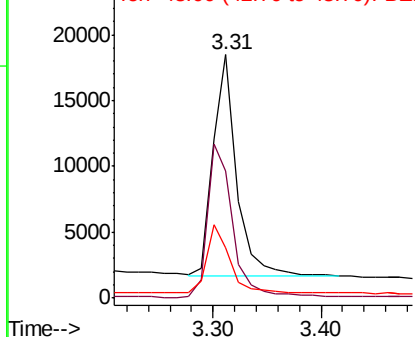
#2

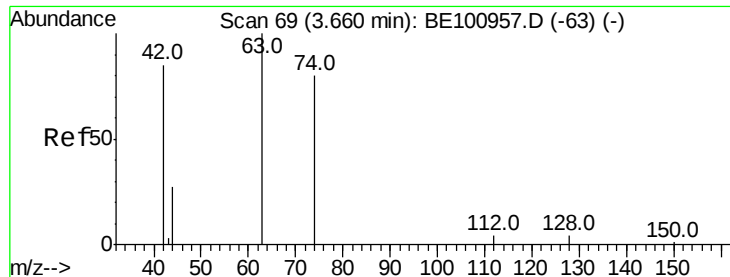
1,4-Dioxane
Concen: 5.314 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Tgt Ion: 88 Resp: 25376
Ion Ratio Lower Upper
88 100
58 74.3 38.6 57.8#
43 30.4 20.5 30.7



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: 5.005 ng

RT: 3.61 min Scan# 65

Delta R.T. -0.05 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

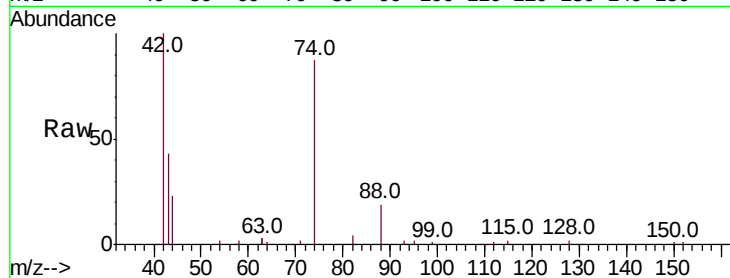
Tot Ion: 42 Resp: 19452

Ion Ratio Lower Upper

42 100

74 121.0 77.8 116.6#

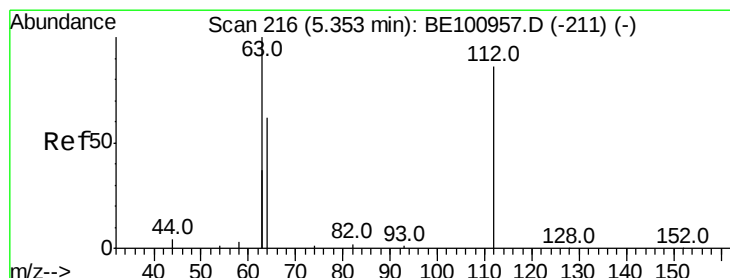
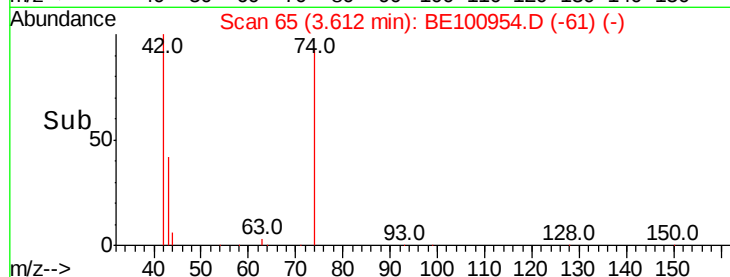
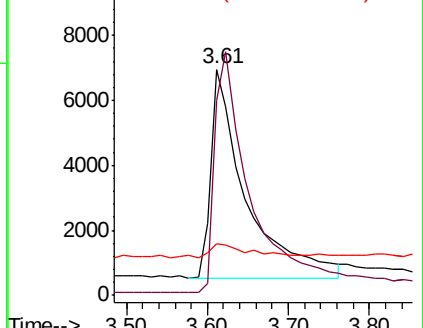
44 8.3 0.0 0.0#



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: 4.467 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

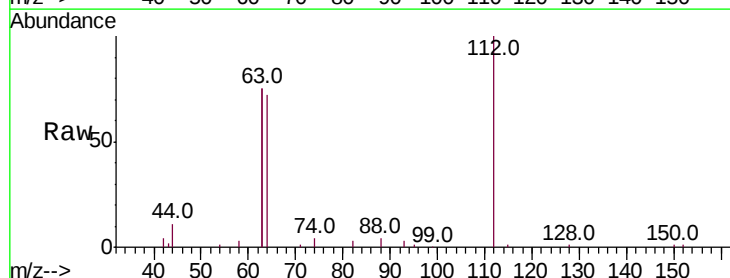
Tgt Ion: 112 Resp: 27763

Ion Ratio Lower Upper

112 100

64 69.5 58.6 88.0

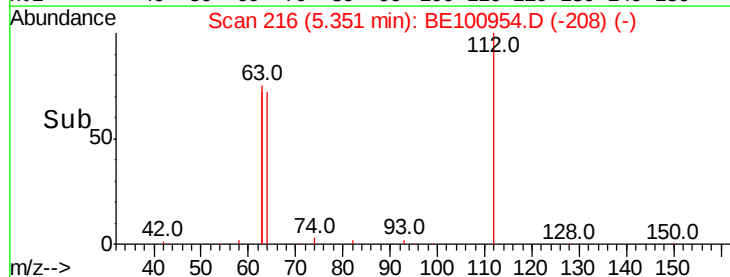
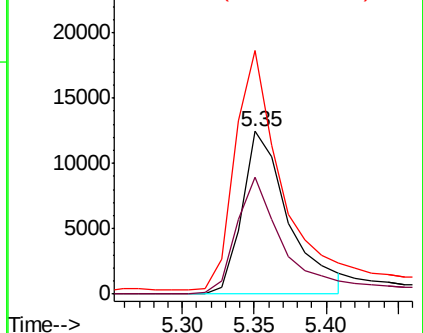
63 146.5 121.0 181.6

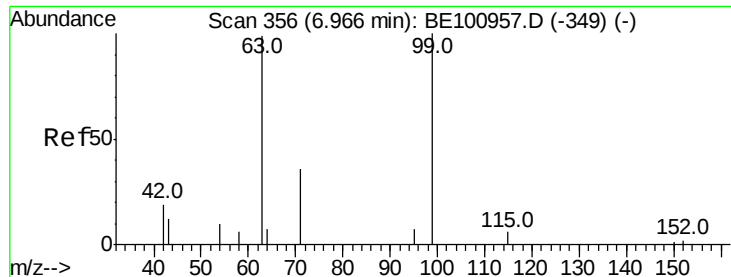


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 4.880 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.04 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

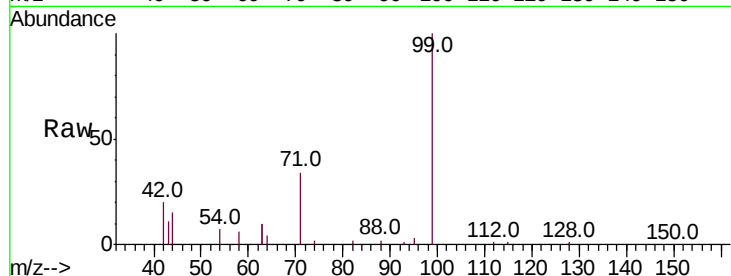
Tot Ion: 99 Resp: 45785

Ion Ratio Lower Upper

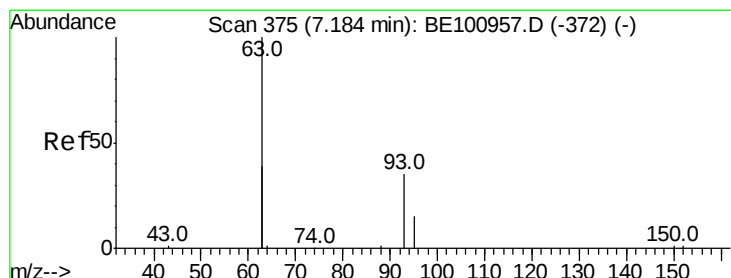
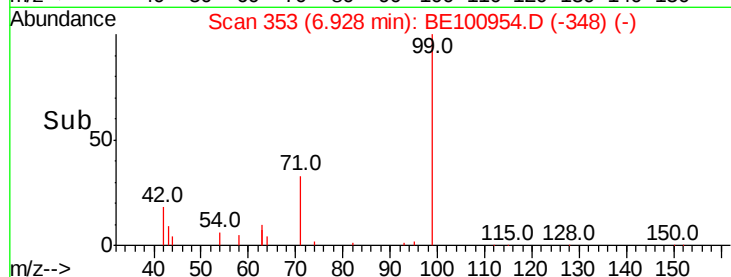
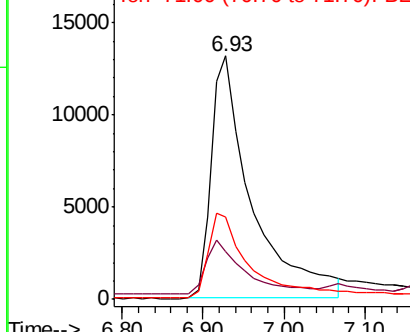
99 100

42 21.5 10.2 15.2#

71 35.4 0.0 0.0#



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: 5.452 ng

RT: 7.17 min Scan# 374

Delta R.T. -0.01 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

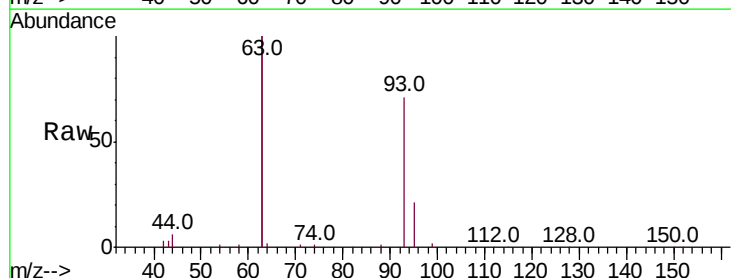
Tgt Ion: 93 Resp: 49430

Ion Ratio Lower Upper

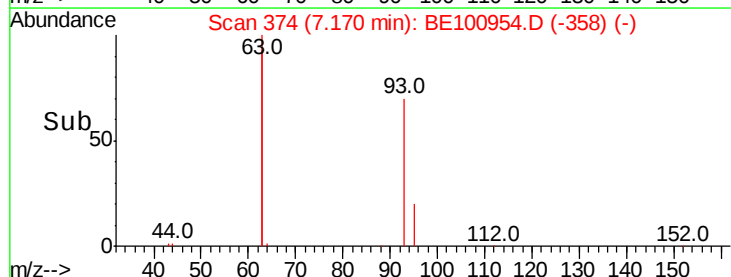
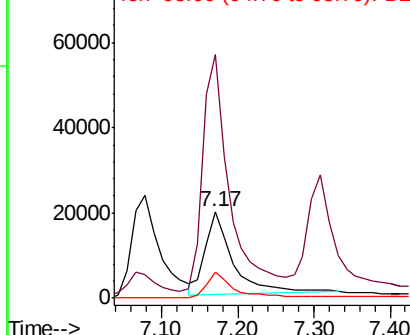
93 100

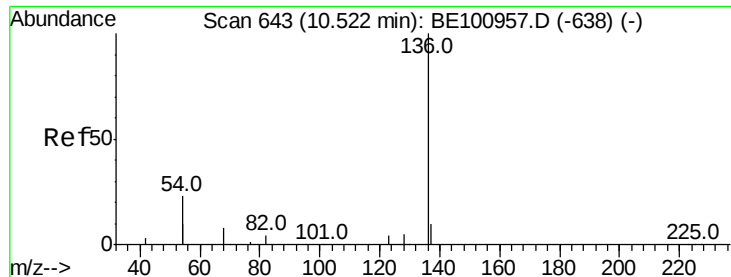
63 274.2 209.4 314.2

95 29.4 28.6 42.8



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. 0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13024

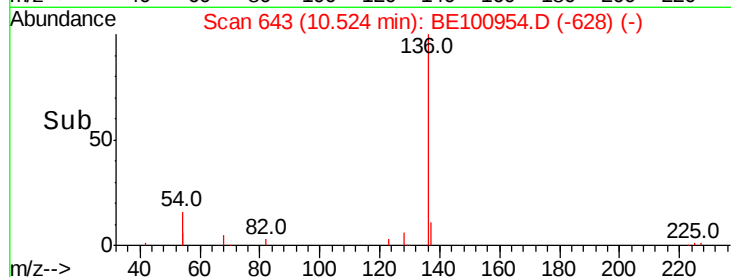
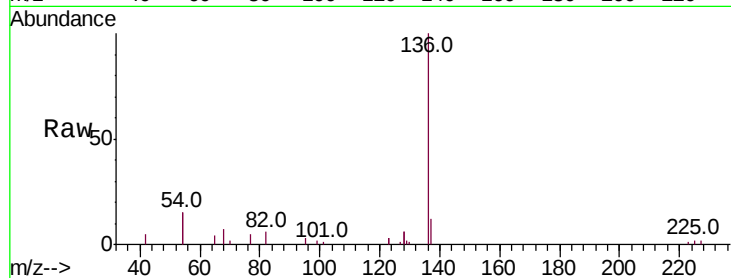
Ion Ratio Lower Upper

136 100

137 11.9 9.6 14.4

54 30.9 36.2 54.4#

68 7.2 8.4 12.6#

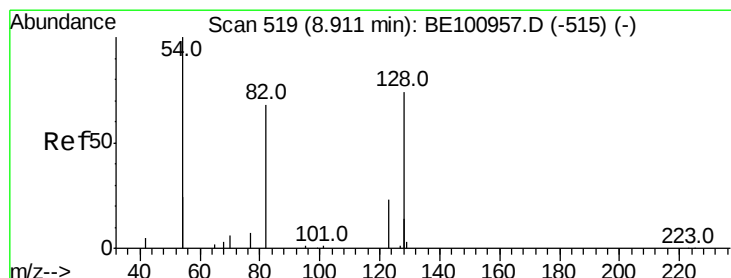
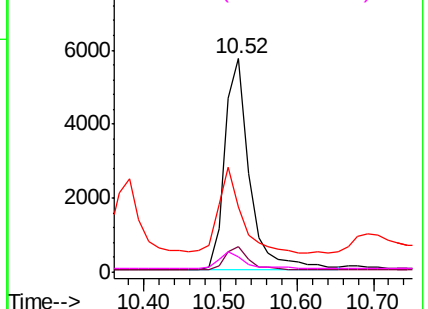


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.402 ng

RT: 8.89 min Scan# 517

Delta R.T. -0.02 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

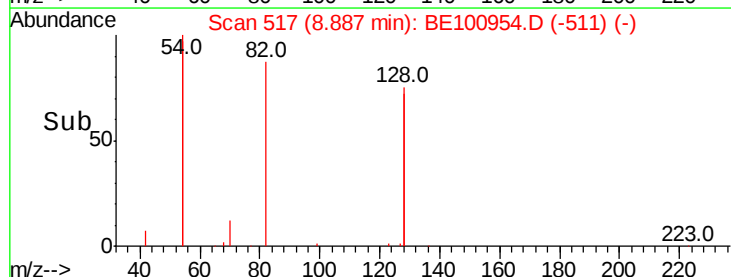
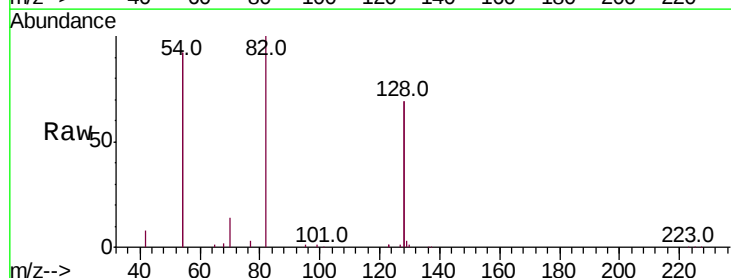
Tgt Ion: 82 Resp: 52109

Ion Ratio Lower Upper

82 100

128 137.4 135.0 202.6

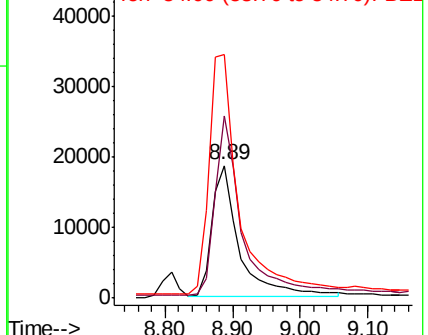
54 183.3 182.6 274.0

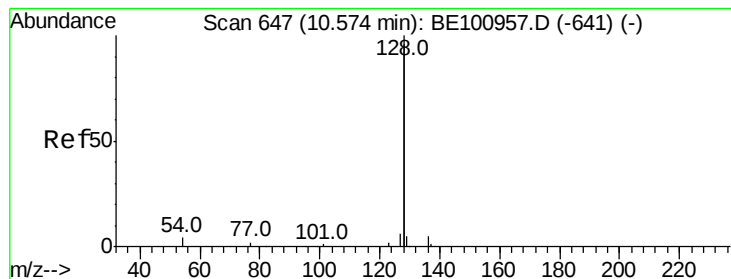


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 5.108 ng

RT: 10.56 min Scan# 646

Delta R.T. -0.01 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

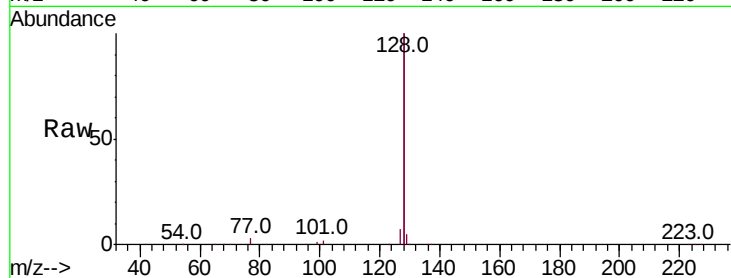
Tot Ion:128 Resp: 706866

Ion Ratio Lower Upper

128 100

129 2.7 2.5 3.7

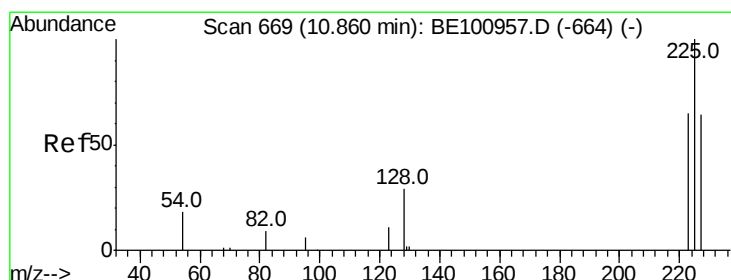
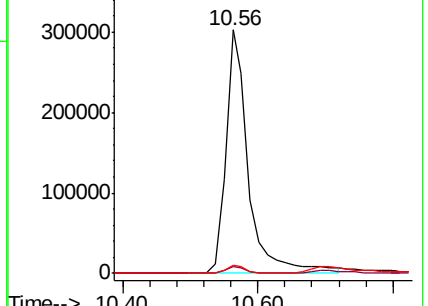
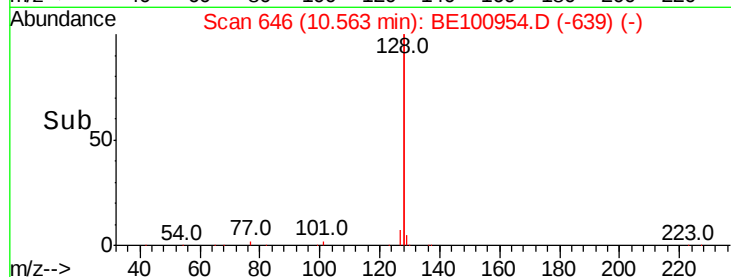
127 3.4 2.7 4.1



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: 5.038 ng

RT: 10.86 min Scan# 669

Delta R.T. 0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

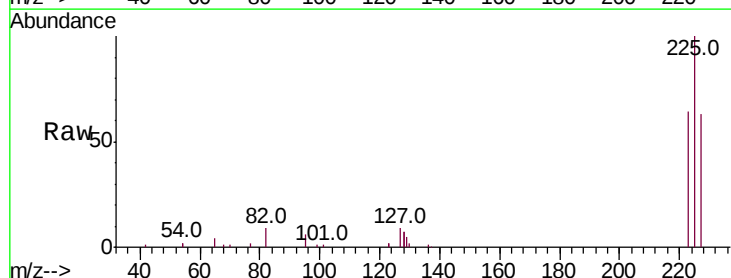
Tgt Ion:225 Resp: 27186

Ion Ratio Lower Upper

225 100

223 62.9 49.4 74.2

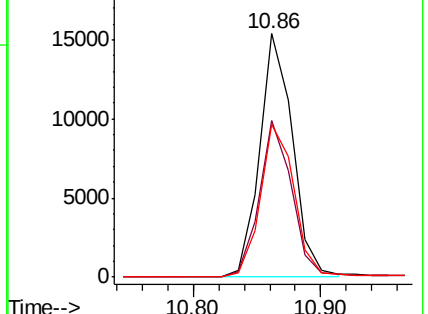
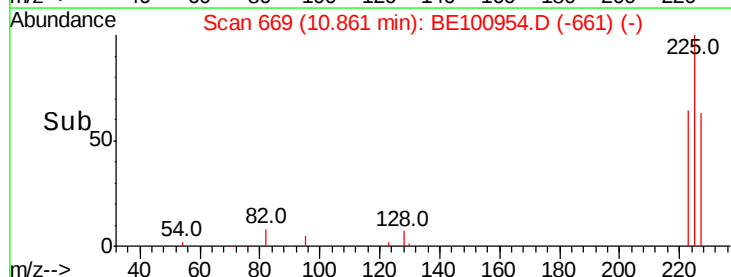
227 64.1 50.3 75.5

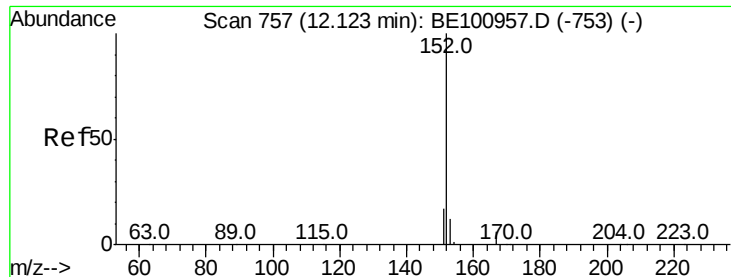


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

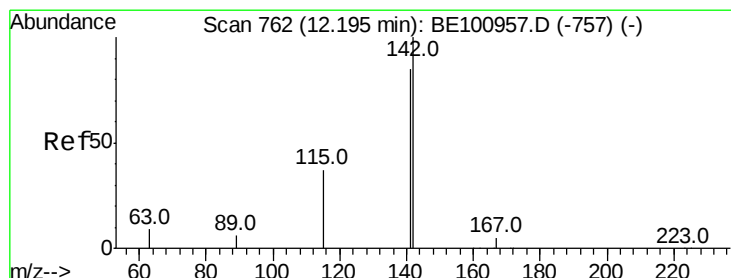
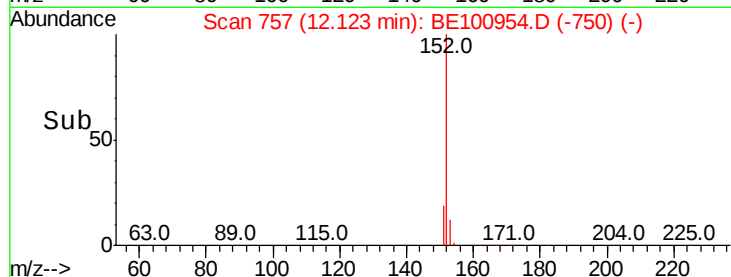
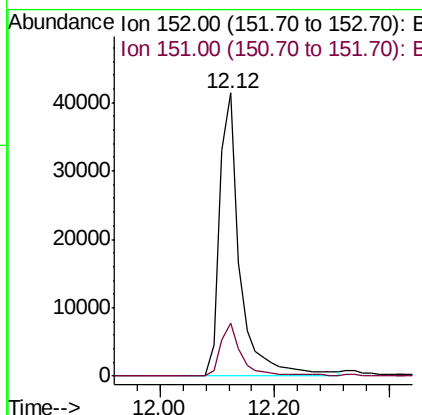
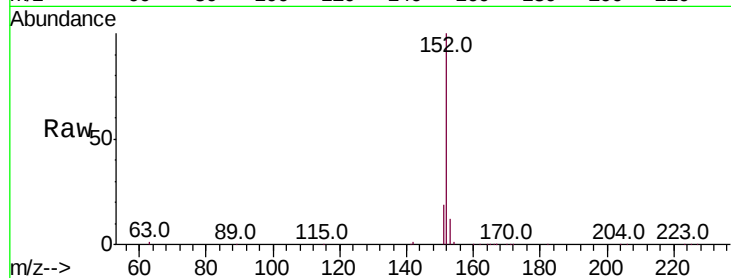




#11
 2-Methylnaphthalene-d10
 Concen: 5.329 ng
 RT: 12.12 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BE100954.D
 Acq: 19 Dec 2019 20:13

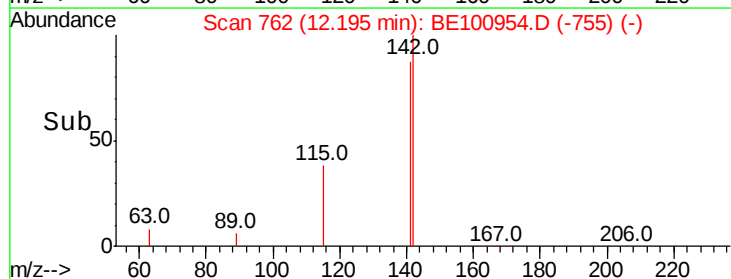
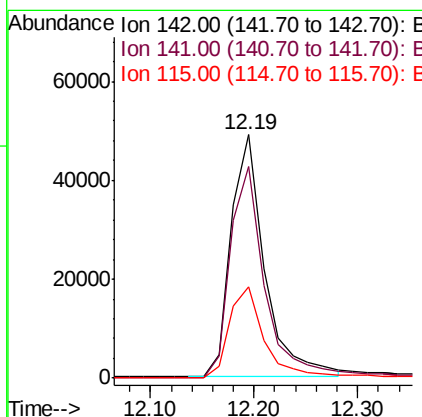
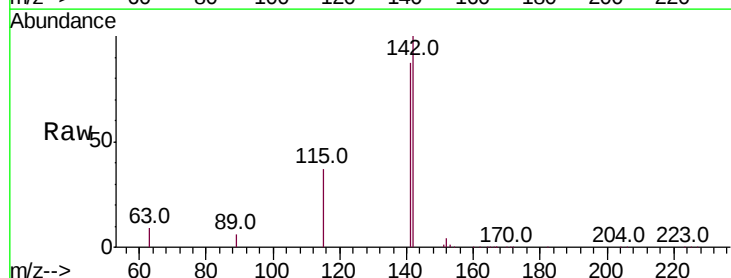
Instrument :
 BNA_E
 ClientSampleId :

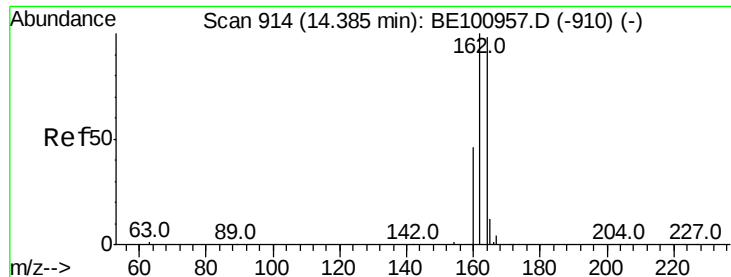
Tot Ion:152 Resp: 100576
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 5.127 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE100954.D
 Acq: 19 Dec 2019 20:13

Tgt Ion:142 Resp: 110794
 Ion Ratio Lower Upper
 142 100
 141 86.9 67.8 101.8
 115 37.5 31.7 47.5

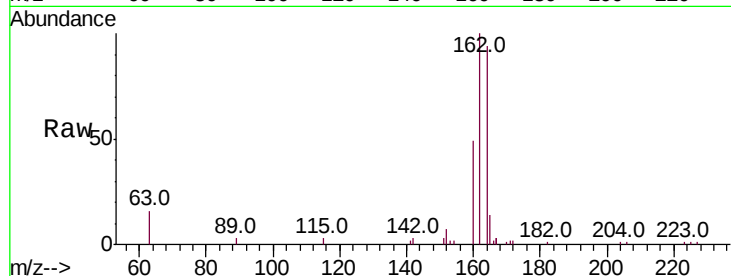




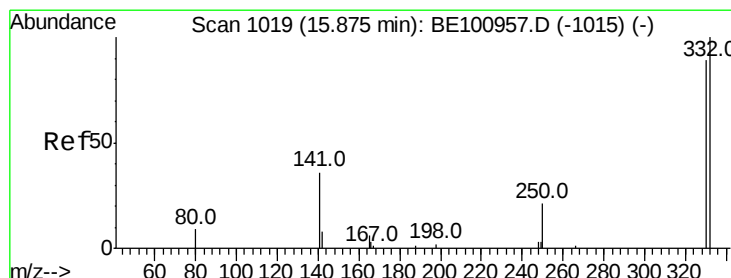
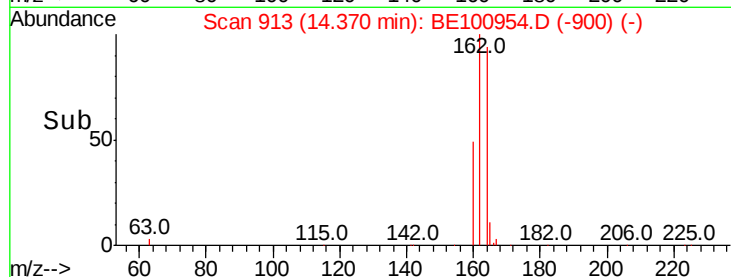
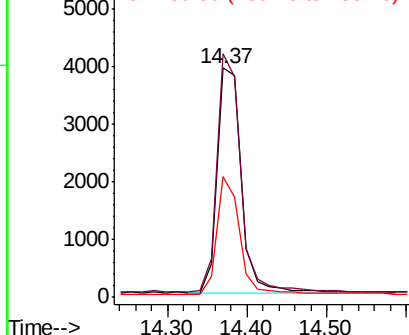
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.02 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 8277
Ion Ratio Lower Upper
164 100
162 106.3 81.6 122.4
160 52.5 38.5 57.7

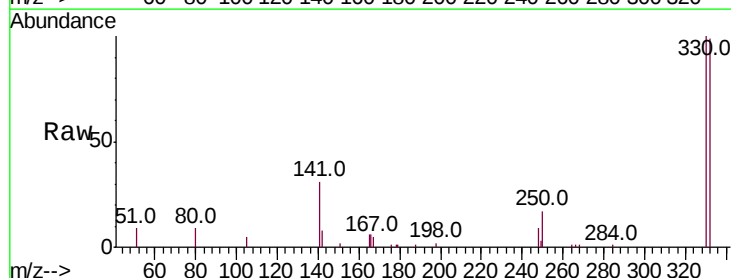


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

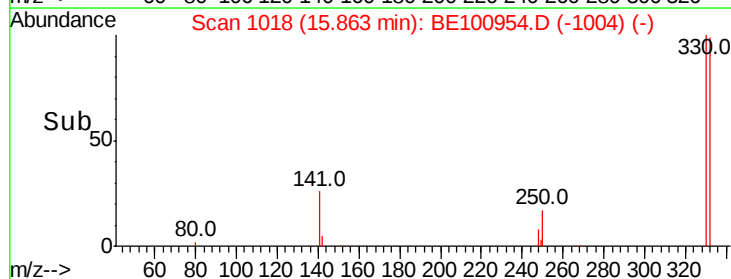
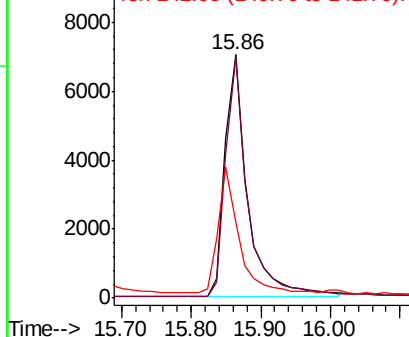


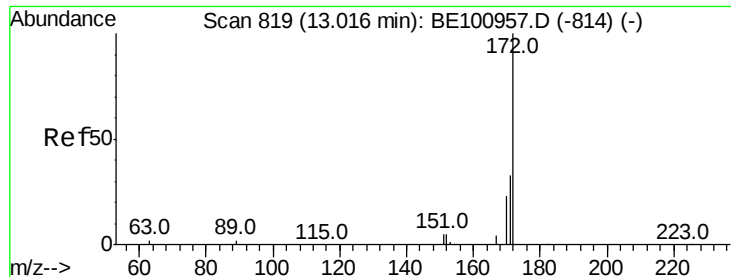
#14
2,4,6-Tribromophenol
Concen: 17.205 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Tgt Ion:330 Resp: 15838
Ion Ratio Lower Upper
330 100
332 96.3 84.2 126.2
141 46.6 39.3 58.9



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

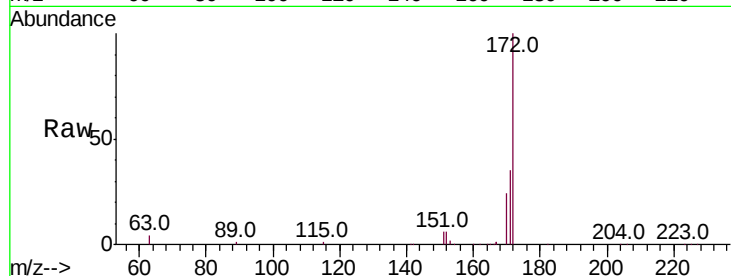




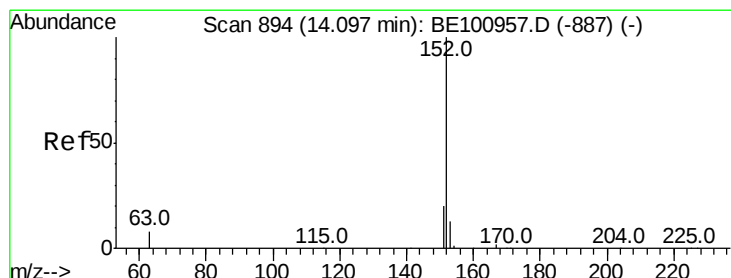
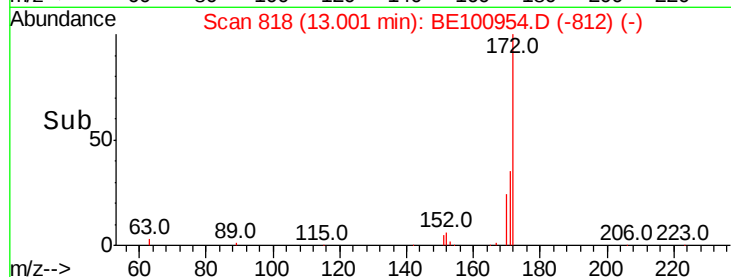
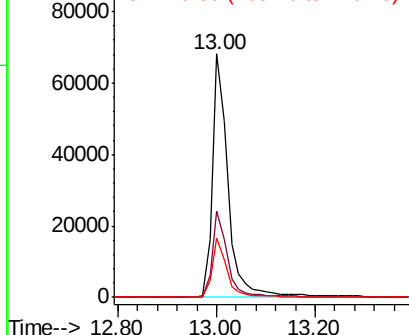
#15
2-Fluorobiphenyl
Concen: 4.492 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.02 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 147476
Ion Ratio Lower Upper
172 100
171 35.5 27.5 41.3
170 24.3 19.8 29.6

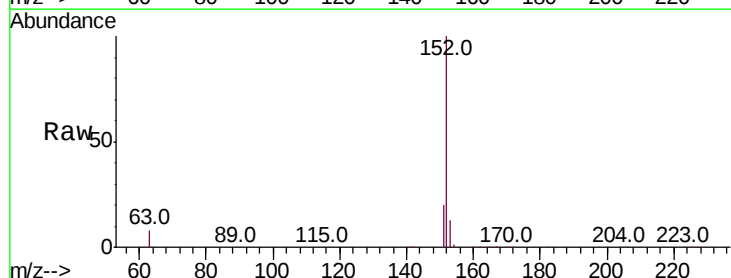


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

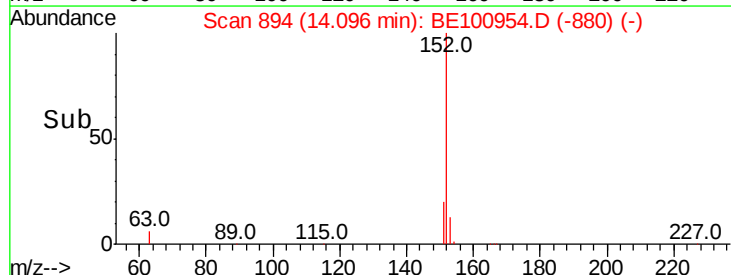
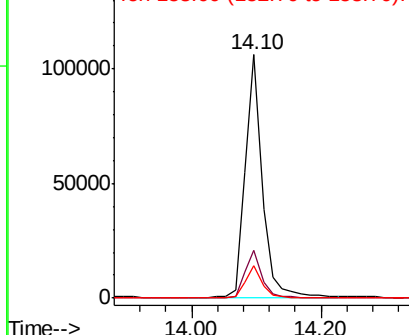


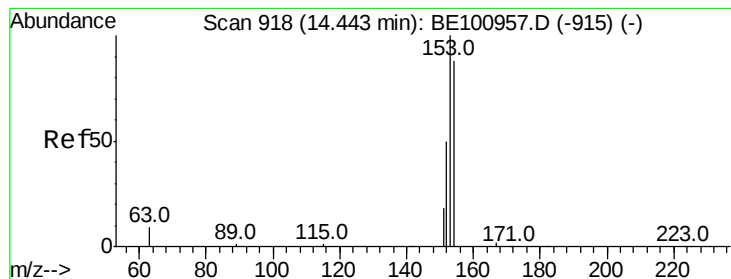
#16
Acenaphthylene
Concen: 5.680 ng
RT: 14.10 min Scan# 894
Delta R.T. -0.00 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Tgt Ion:152 Resp: 194477
Ion Ratio Lower Upper
152 100
151 19.6 15.0 22.4
153 13.0 10.6 16.0



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: 5.036 ng

RT: 14.44 min Scan# 918

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

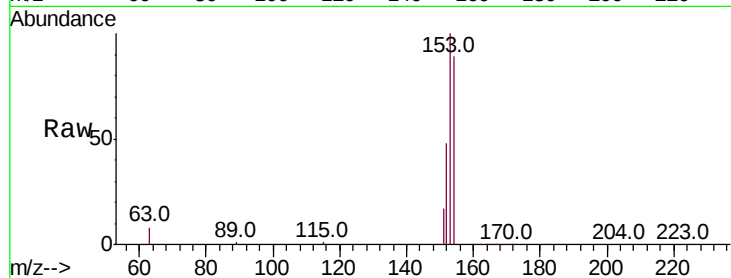
Tot Ion:154 Resp: 118837

Ion Ratio Lower Upper

154 100

153 113.9 92.3 138.5

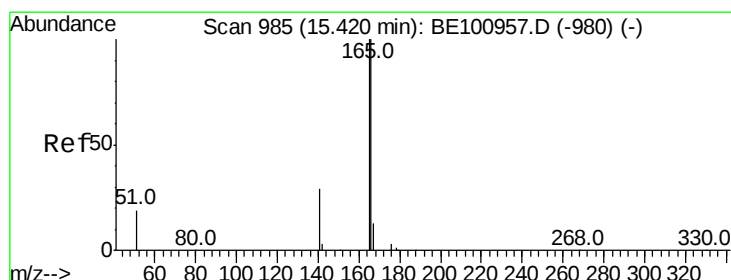
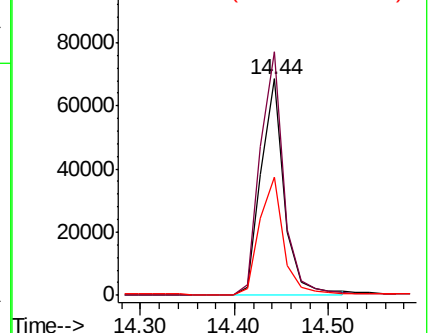
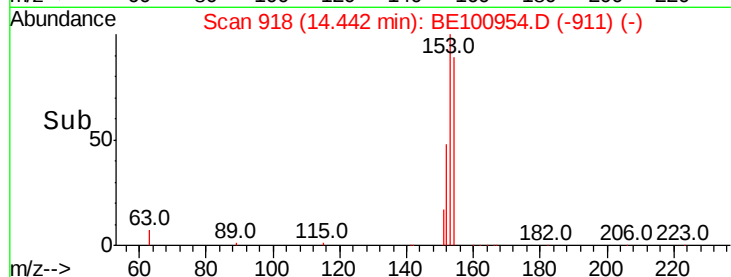
152 55.7 46.4 69.6



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: 5.242 ng

RT: 15.41 min Scan# 984

Delta R.T. -0.01 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

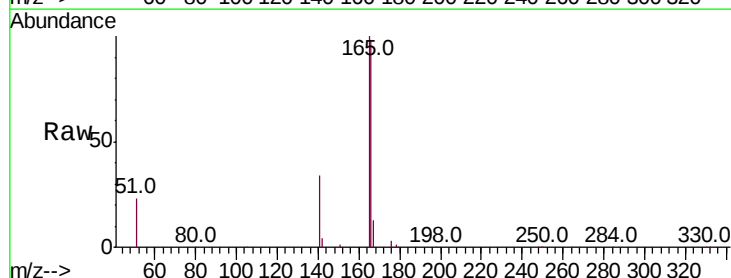
Tgt Ion:166 Resp: 159516

Ion Ratio Lower Upper

166 100

165 98.9 79.0 118.4

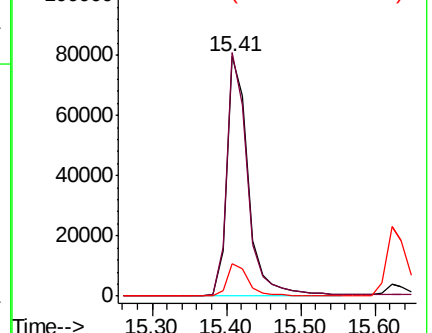
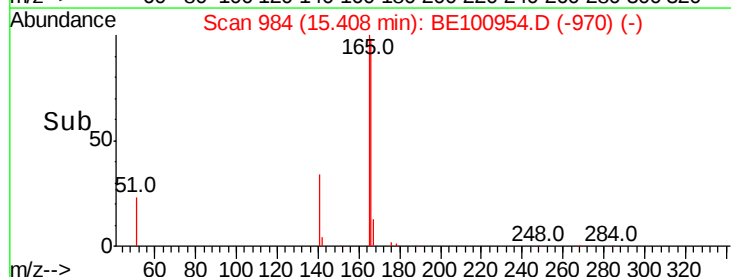
167 13.5 10.6 16.0

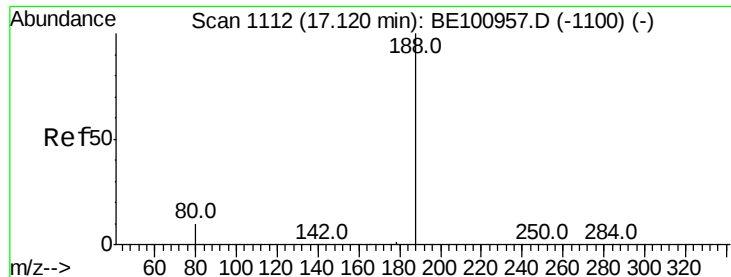


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

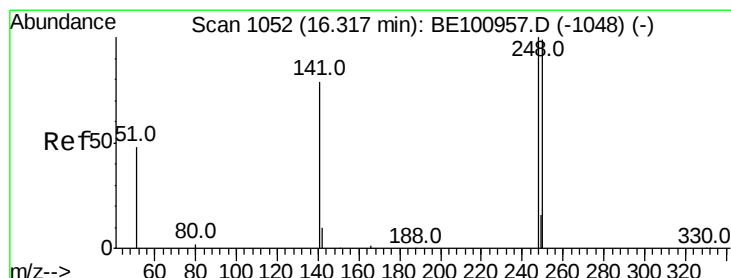
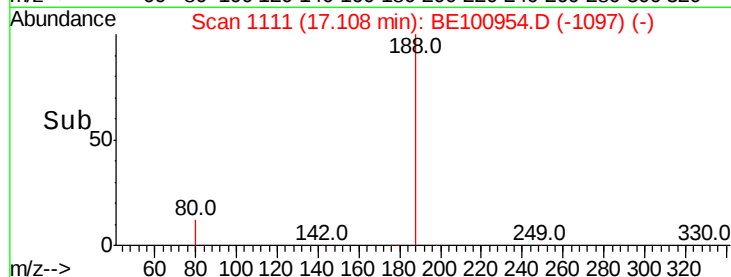
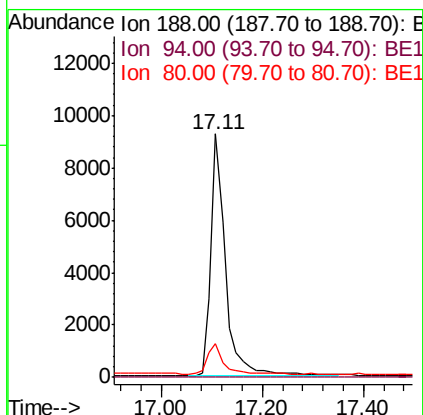
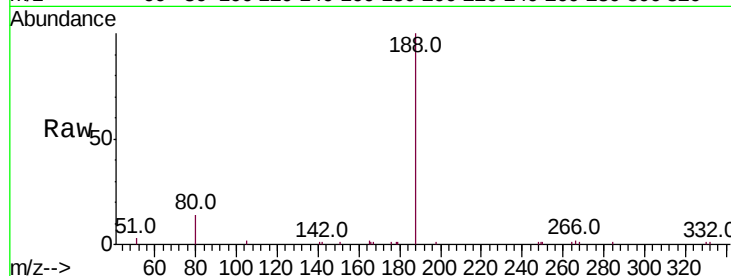




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

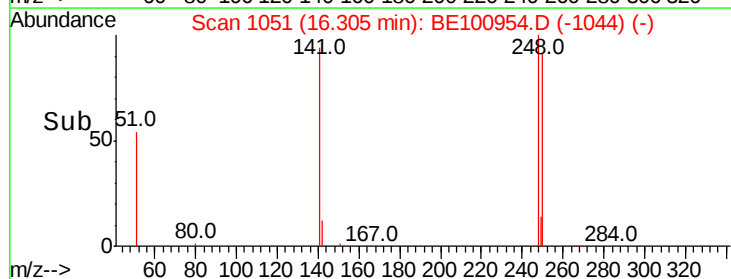
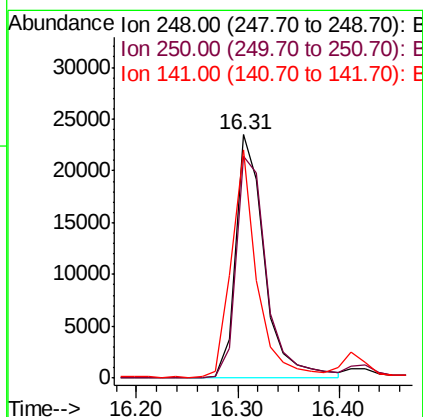
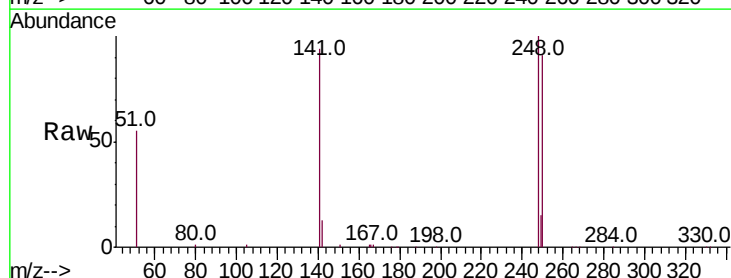
Instrument :
BNA_E
ClientSampleId :

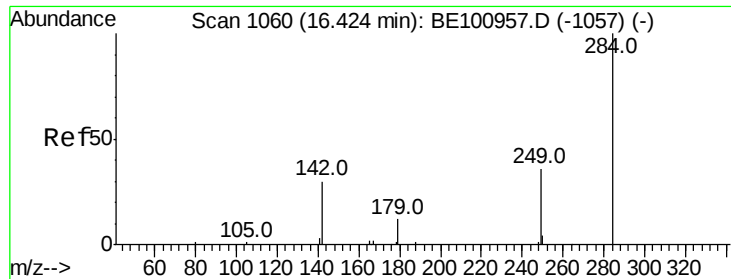
Tot Ion:188 Resp: 18689
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 9.5 14.3



#20
4-Bromophenyl-phenylether
Concen: 5.058 ng
RT: 16.31 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Tgt Ion:248 Resp: 46377
Ion Ratio Lower Upper
248 100
250 90.9 79.5 119.3
141 93.8 66.6 100.0





#21

Hexachlorobenzene

Concen: 4.789 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

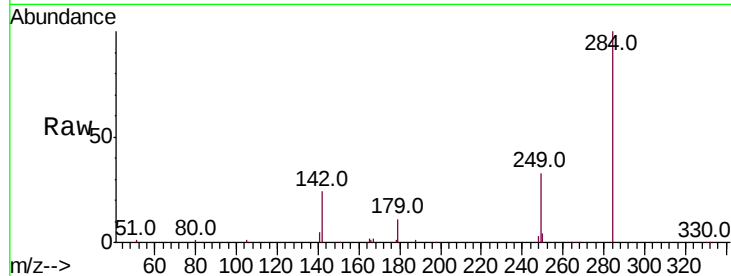
Tot Ion:284 Resp: 47709

Ion Ratio Lower Upper

284 100

142 42.6 33.8 50.6

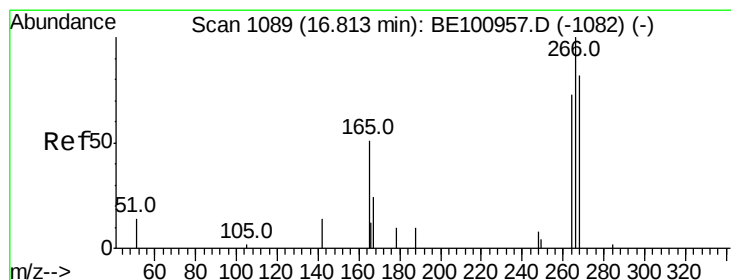
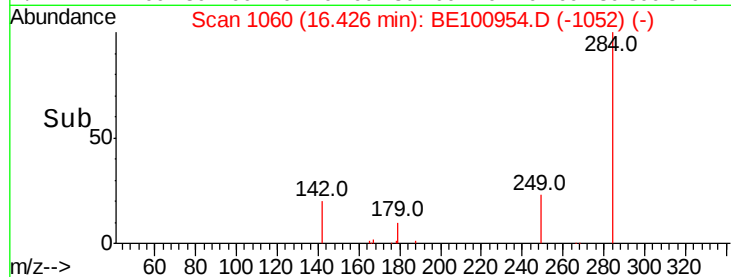
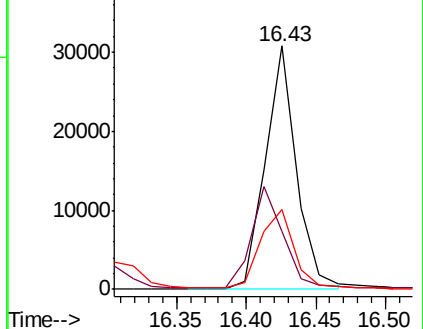
249 35.0 26.7 40.1



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: 18.759 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.04 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

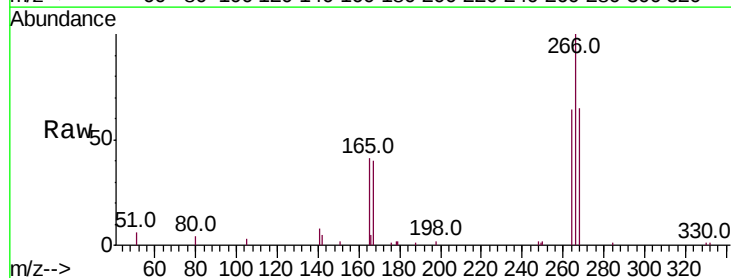
Tgt Ion:266 Resp: 12925

Ion Ratio Lower Upper

266 100

264 63.7 64.5 96.7#

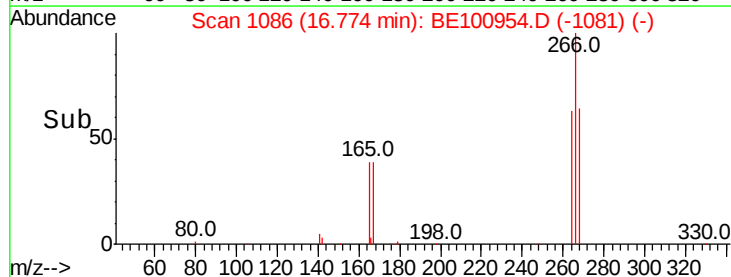
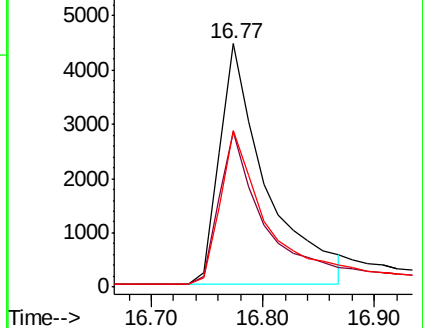
268 64.6 74.6 111.8#

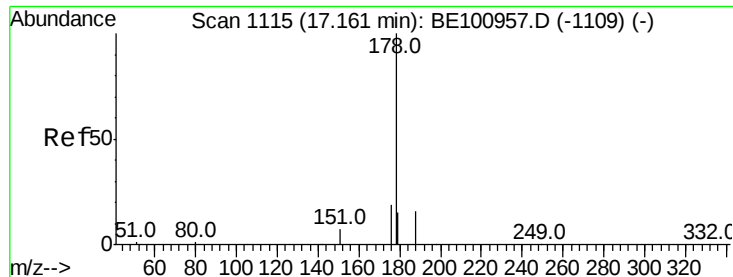


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 4.703 ng

RT: 17.15 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

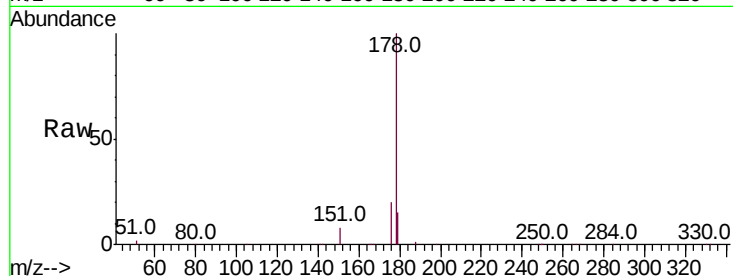
Tot Ion:178 Resp: 266258

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

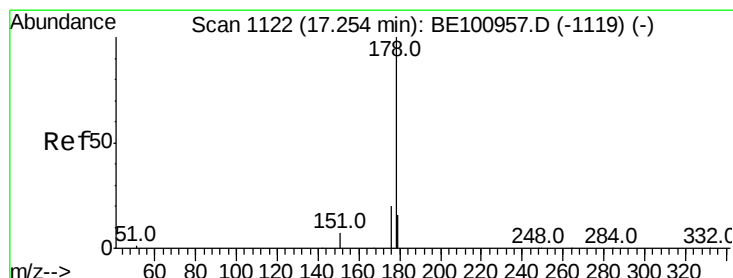
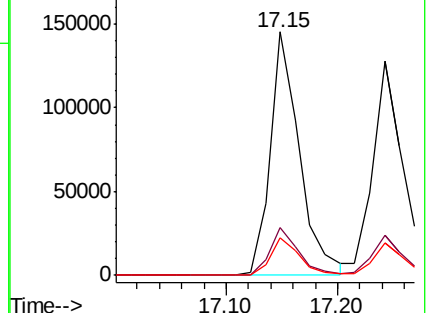
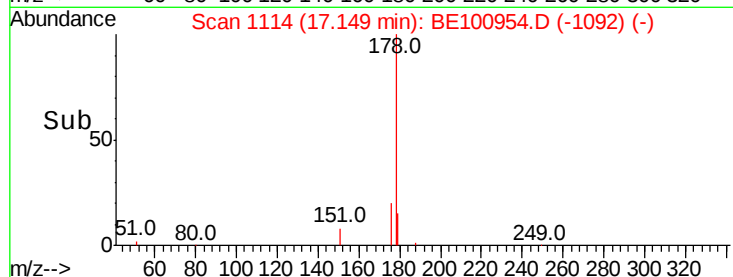
179 15.3 12.5 18.7



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: 4.958 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

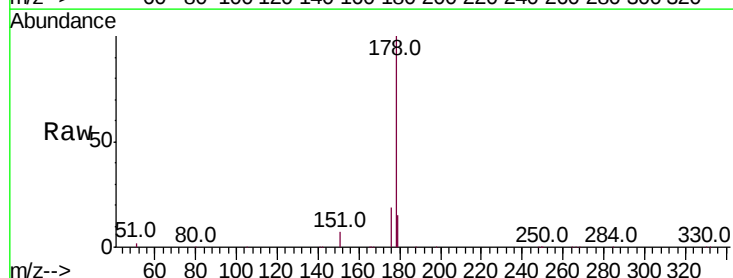
Tgt Ion:178 Resp: 234718

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

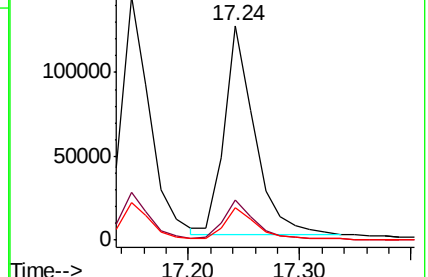
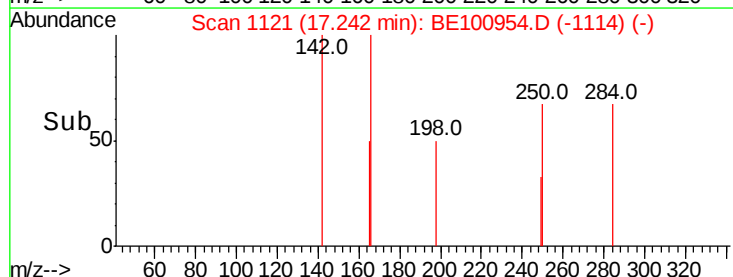
179 15.3 12.0 18.0

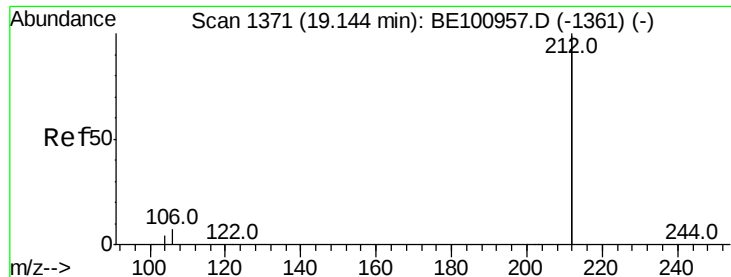


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 5.628 ng

RT: 19.14 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampled :

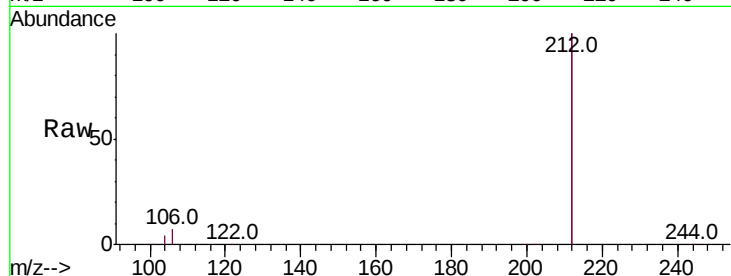
Tot Ion:212 Resp: 1243142

Ion Ratio Lower Upper

212 100

106 3.5 2.6 3.8

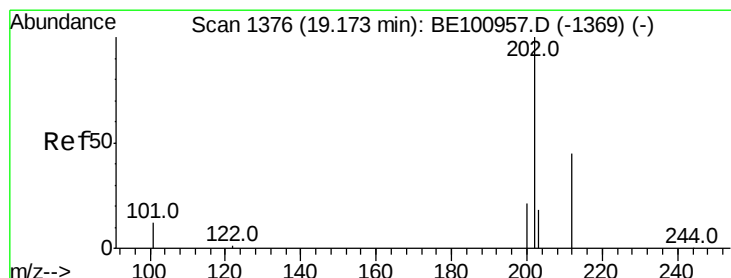
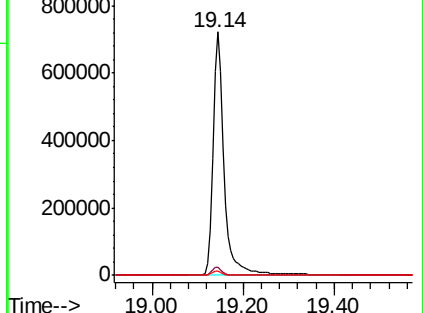
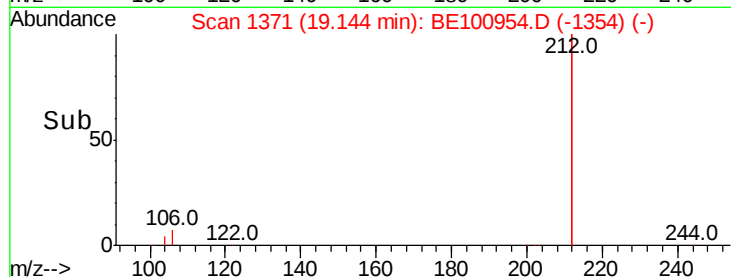
104 1.9 1.4 2.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 5.402 ng

RT: 19.17 min Scan# 1376

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

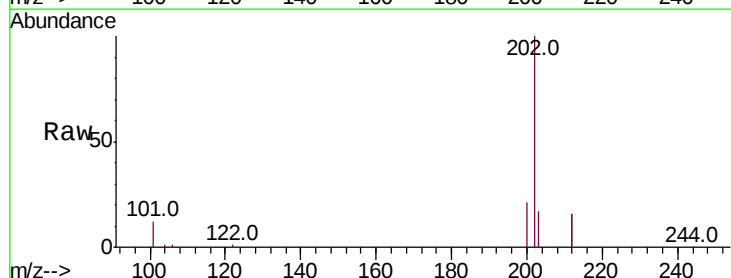
Tgt Ion:202 Resp: 364996

Ion Ratio Lower Upper

202 100

101 12.2 9.0 13.6

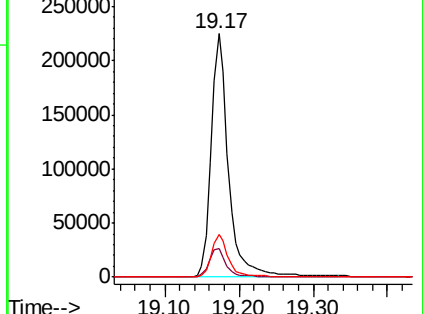
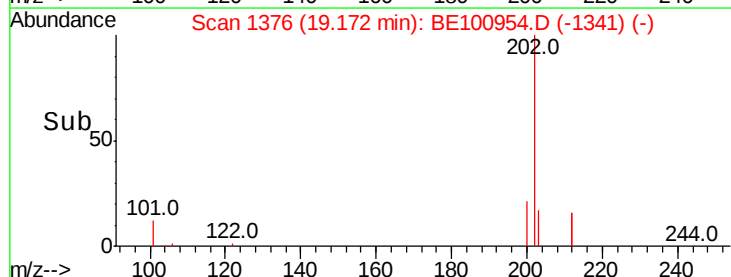
203 17.0 13.4 20.0

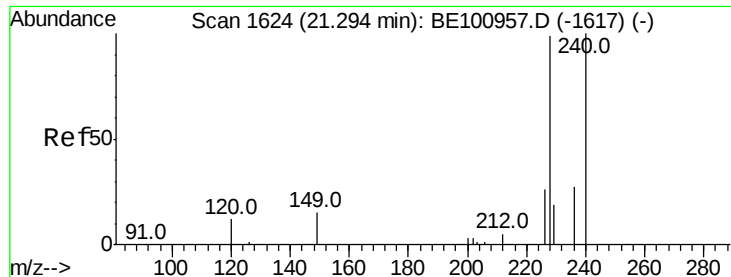


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

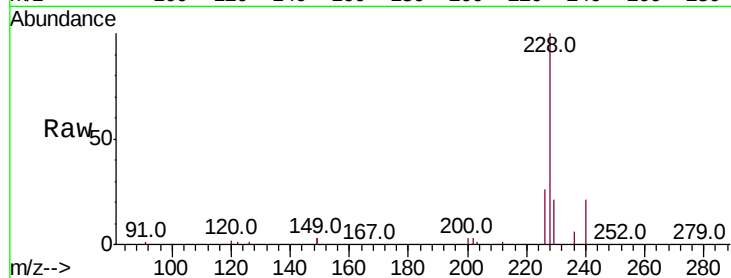
Tot Ion:240 Resp: 21721

Ion Ratio Lower Upper

240 100

120 9.2 11.5 17.3#

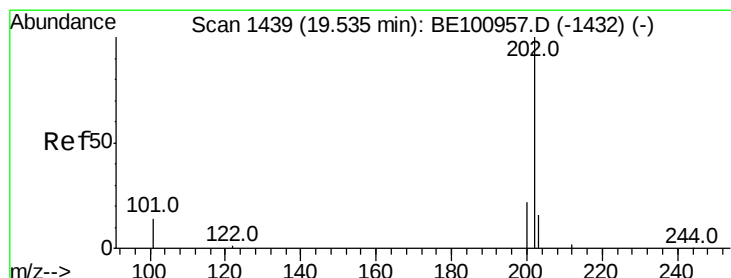
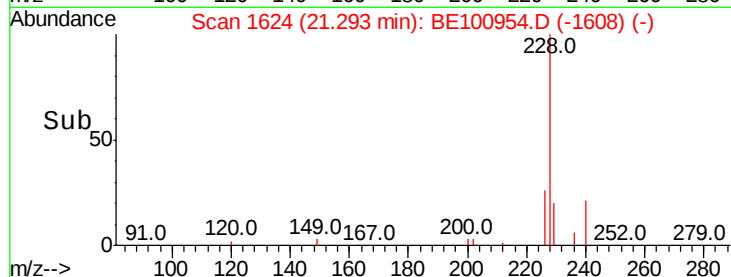
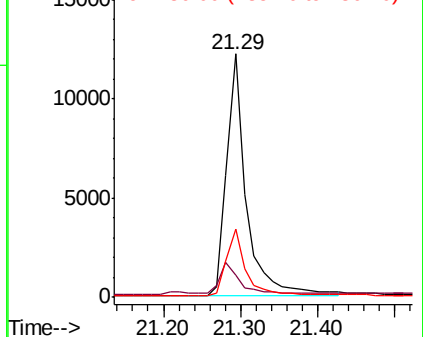
236 27.9 22.8 34.2



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: 5.356 ng

RT: 19.53 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

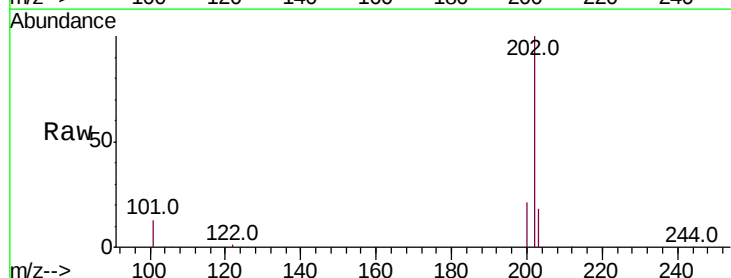
Tgt Ion:202 Resp: 377972

Ion Ratio Lower Upper

202 100

200 21.3 16.4 24.6

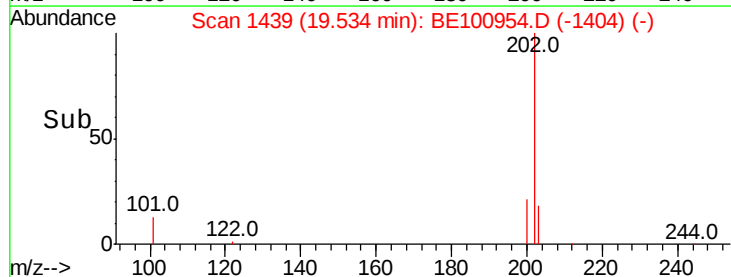
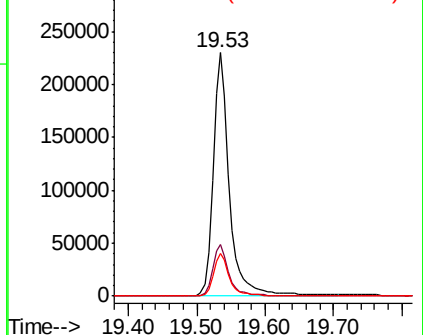
203 17.5 13.8 20.8

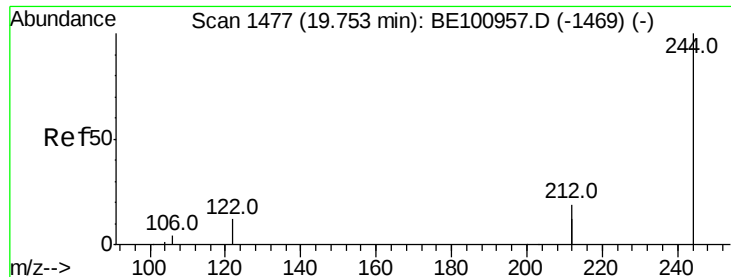


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.932 ng

RT: 19.75 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

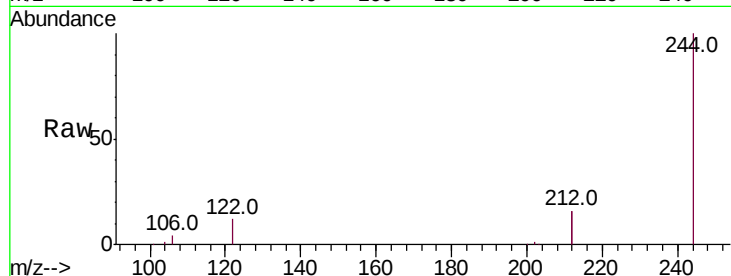
Tot Ion:244 Resp: 256614

Ion Ratio Lower Upper

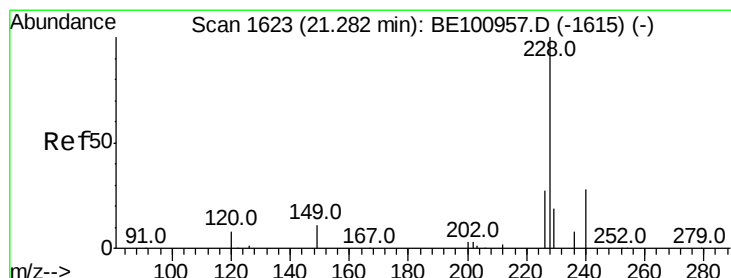
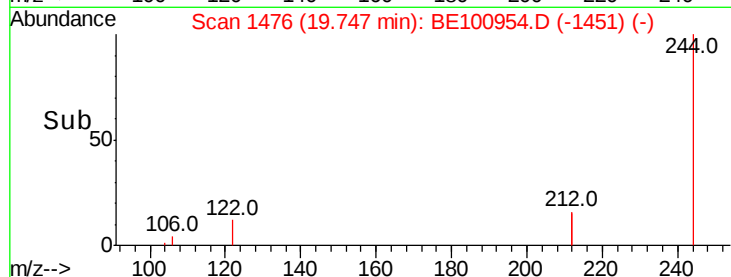
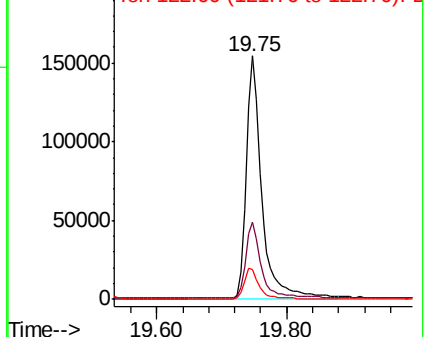
244 100

212 31.6 30.2 45.2

122 12.0 10.7 16.1



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: 5.460 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

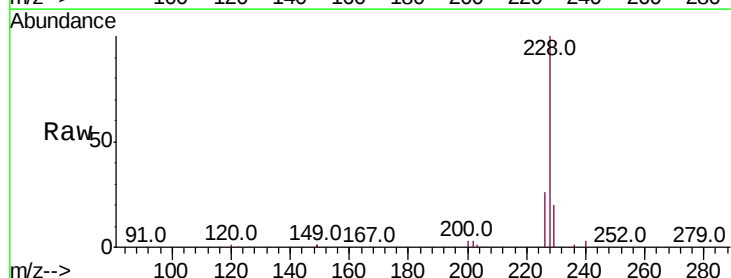
Tgt Ion:228 Resp: 349587

Ion Ratio Lower Upper

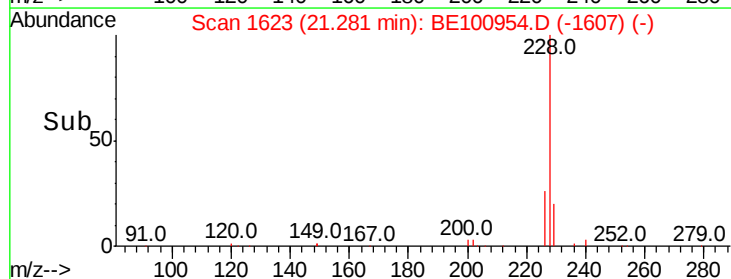
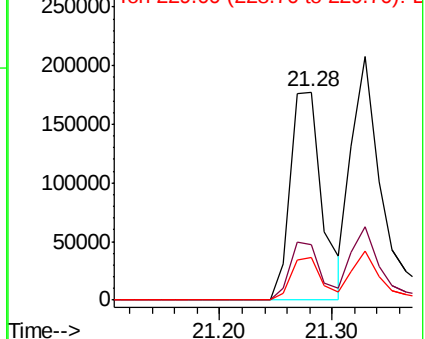
228 100

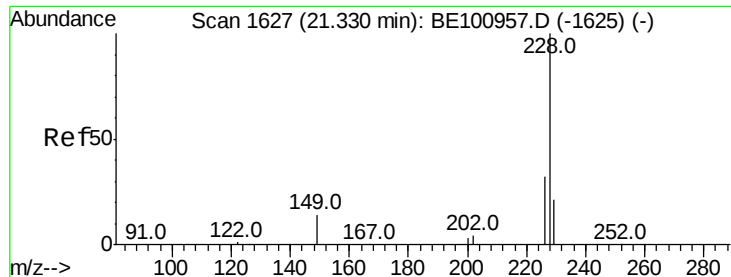
226 26.5 21.9 32.9

229 20.3 15.9 23.9



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: 4.692 ng

RT: 21.33 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

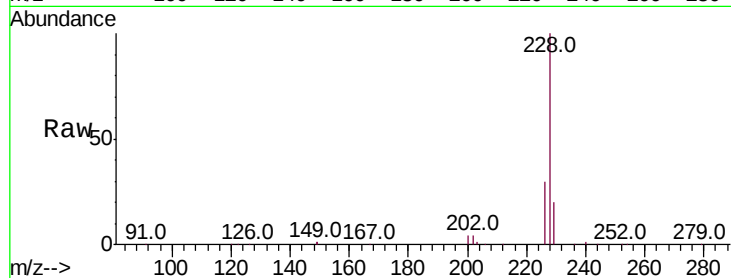
Tot Ion:228 Resp: 352942

Ion Ratio Lower Upper

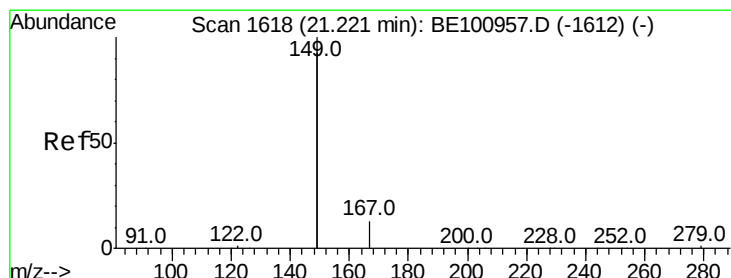
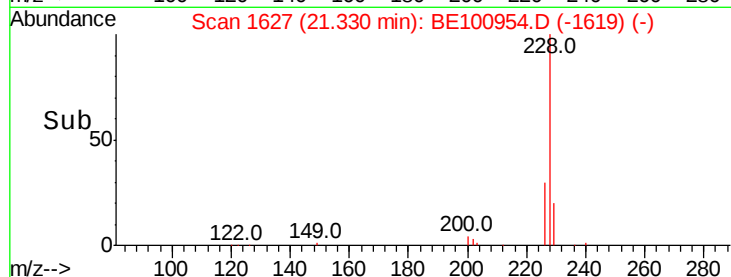
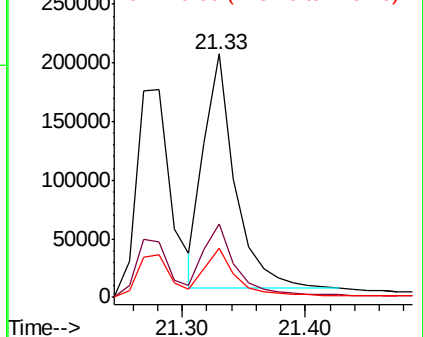
228 100

226 30.0 24.2 36.4

229 19.9 16.6 24.8



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: 15.917 ng

RT: 21.22 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

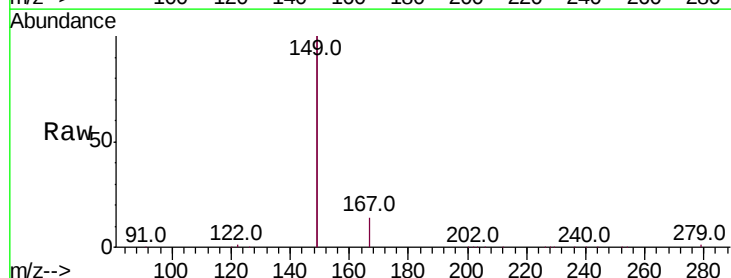
Tgt Ion:149 Resp: 923584

Ion Ratio Lower Upper

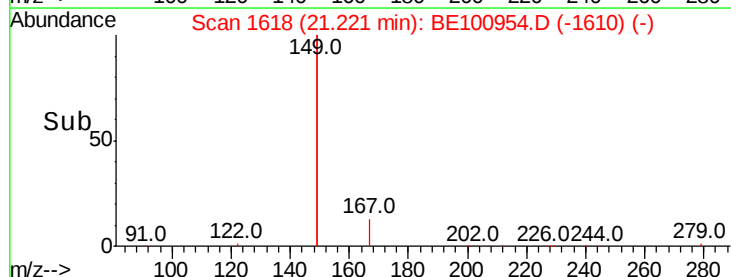
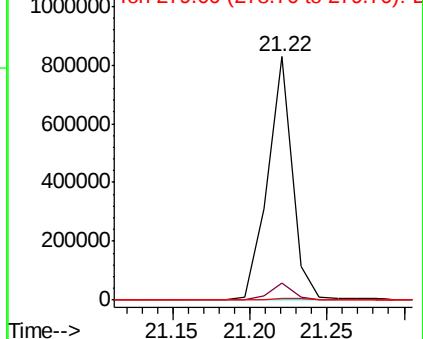
149 100

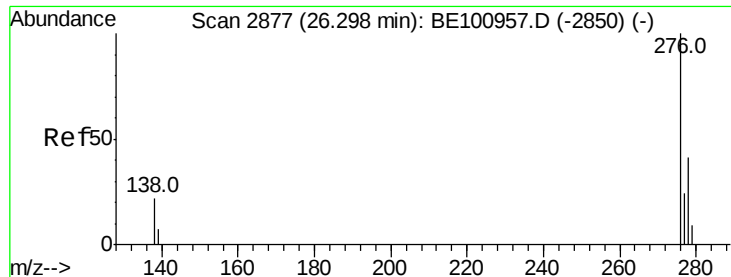
167 6.5 5.0 7.6

279 0.8 0.7 1.1



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

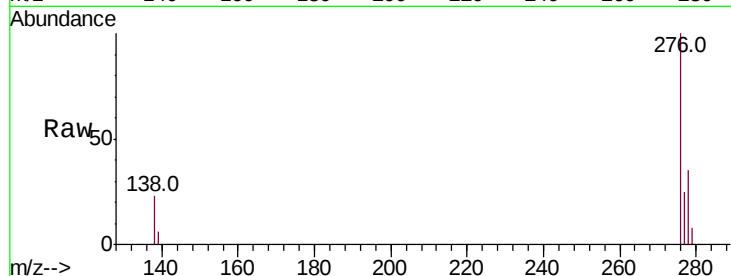




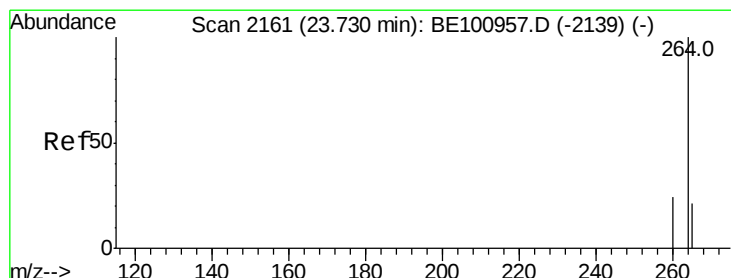
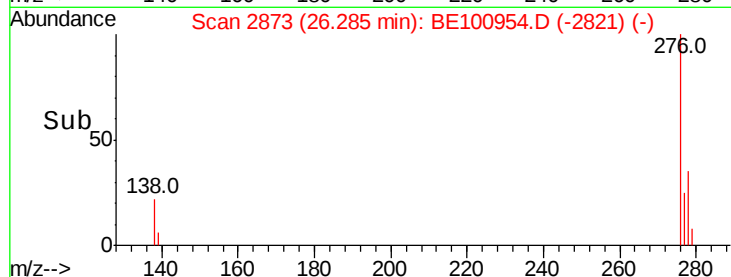
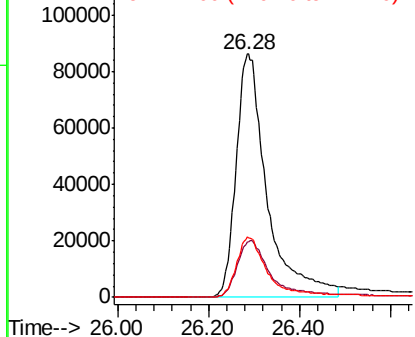
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 6.226 ng
 RT: 26.28 min Scan# 2873
 Delta R.T. -0.01 min
 Lab File: BE100954.D
 Acq: 19 Dec 2019 20:13

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 407986
 Ion Ratio Lower Upper
 276 100
 138 24.8 9.0 13.4#
 277 25.0 5.9 8.9#

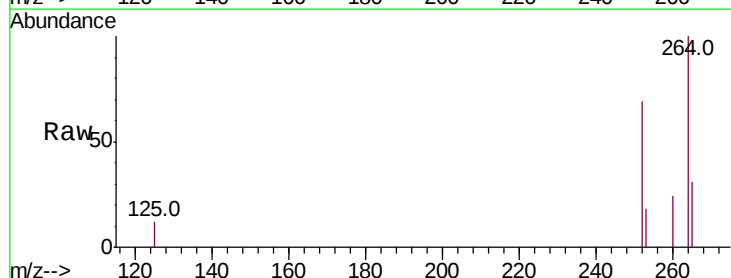


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

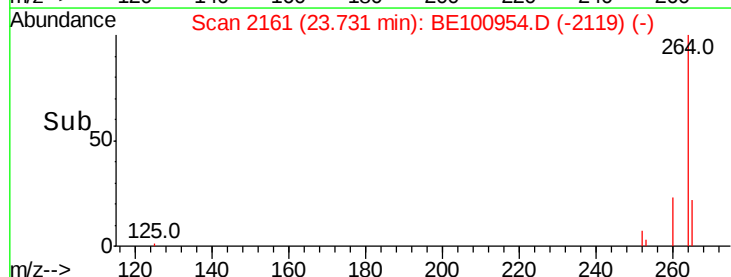
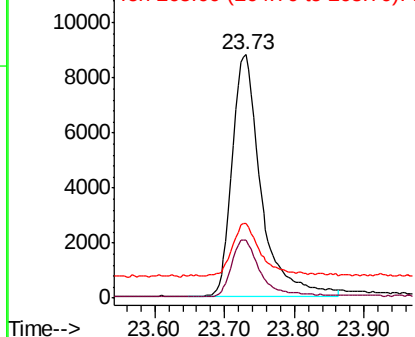


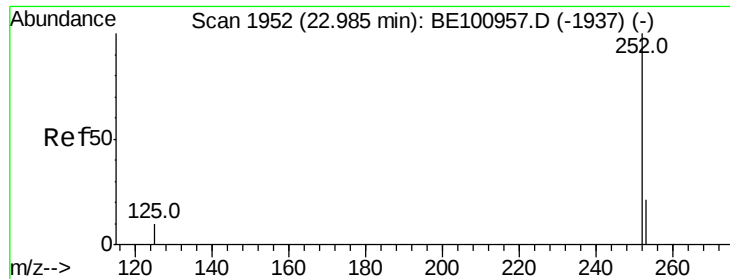
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.73 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BE100954.D
 Acq: 19 Dec 2019 20:13

Tgt Ion:264 Resp: 25032
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 30.5 26.4 39.6



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: 4.788 ng

RT: 22.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

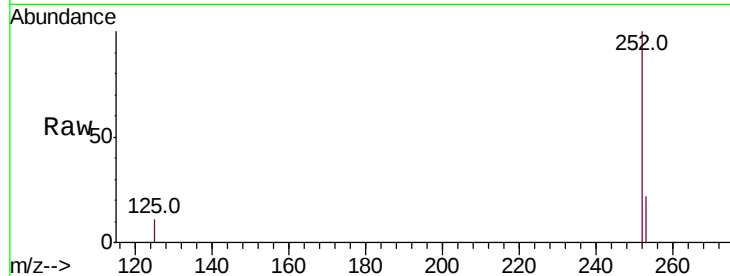
Tot Ion:252 Resp: 328090

Ion Ratio Lower Upper

252 100

253 22.1 18.6 27.8

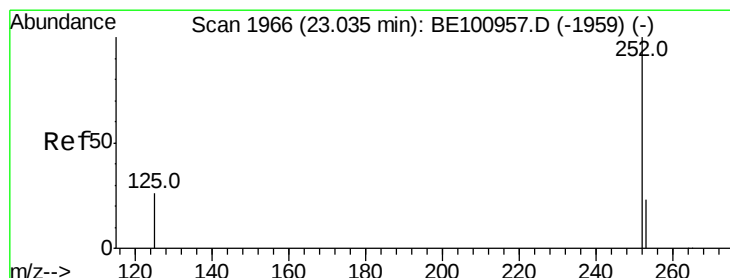
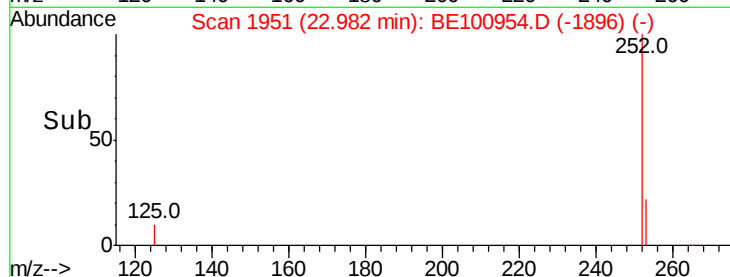
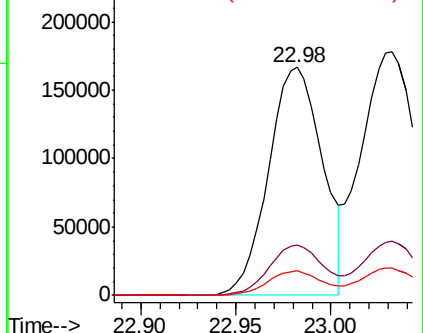
125 10.6 10.2 15.2



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: 5.744 ng

RT: 23.03 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

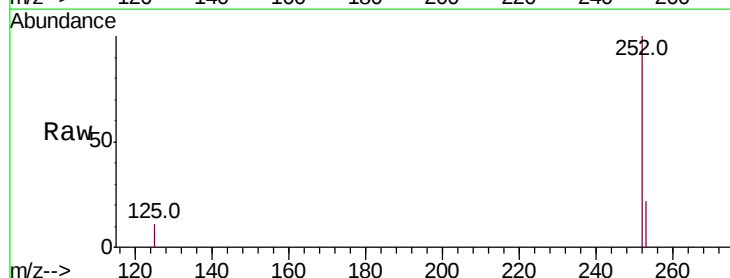
Tgt Ion:252 Resp: 441452

Ion Ratio Lower Upper

252 100

253 22.2 19.2 28.8

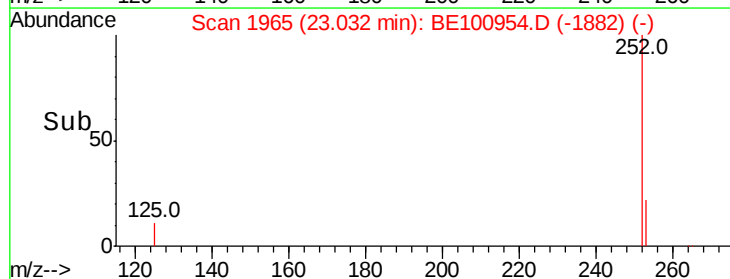
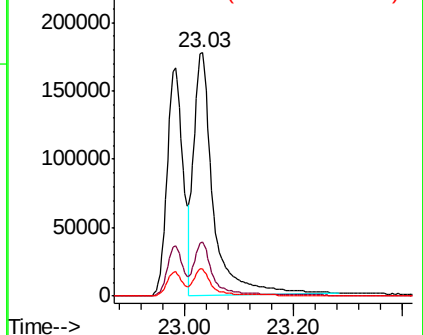
125 11.1 17.9 26.9#

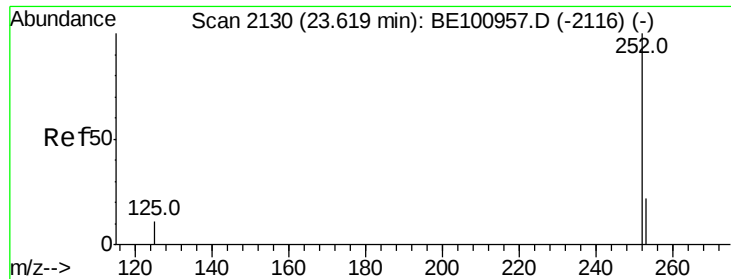


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

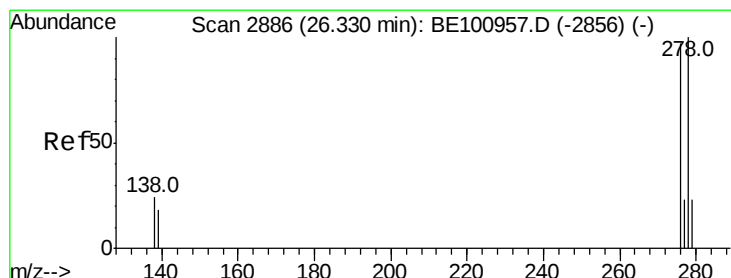
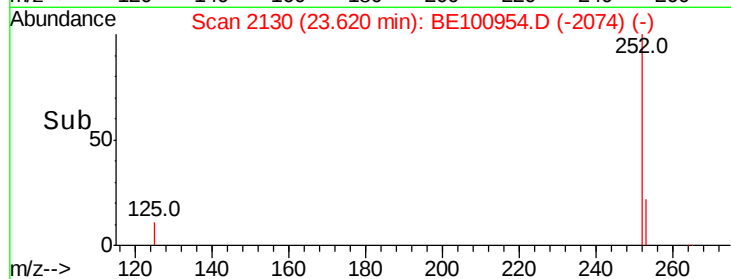
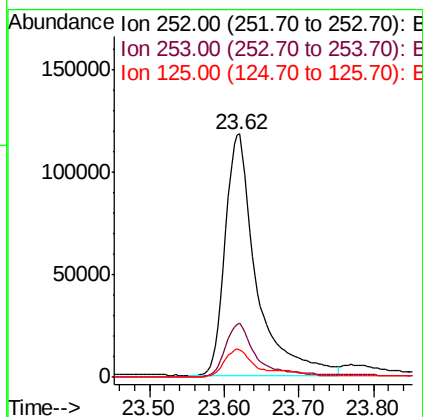
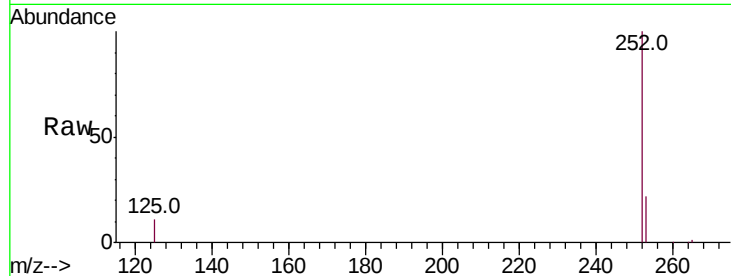




#37
Benzo(a)pyrene
Concen: 5.711 ng
RT: 23.62 min Scan# 2130
Delta R.T. 0.00 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

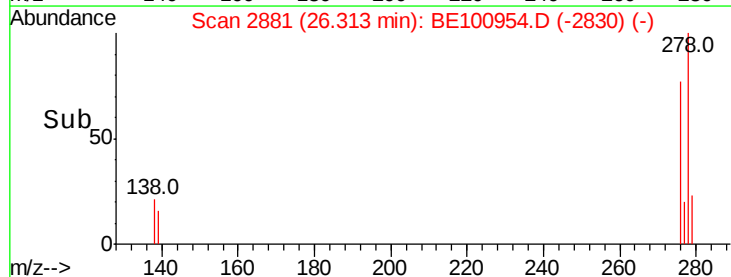
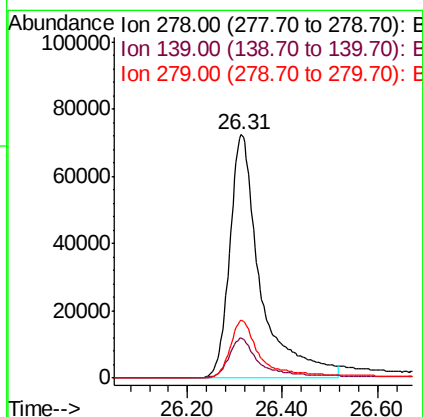
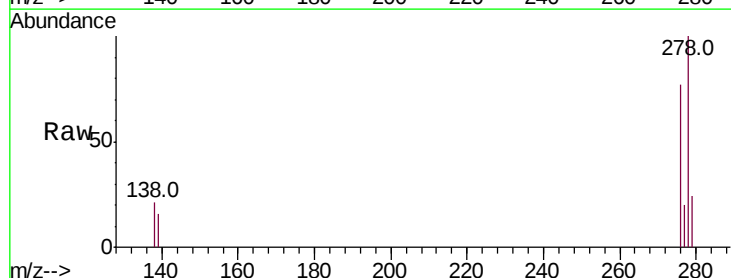
Instrument :
BNA_E
ClientSampleId :

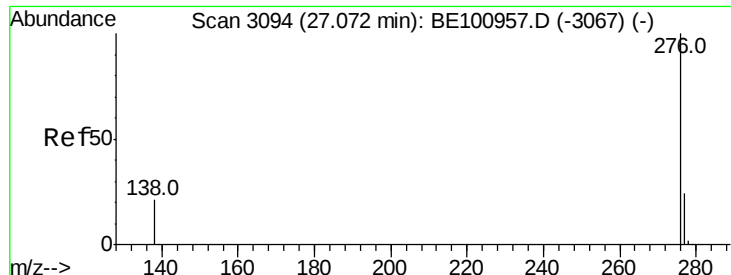
Tot Ion:252 Resp: 338836
Ion Ratio Lower Upper
252 100
253 22.2 19.9 29.9
125 11.4 12.3 18.5#



#38
Dibenzo(a,h)anthracene
Concen: 5.506 ng
RT: 26.31 min Scan# 2881
Delta R.T. -0.02 min
Lab File: BE100954.D
Acq: 19 Dec 2019 20:13

Tgt Ion:278 Resp: 325018
Ion Ratio Lower Upper
278 100
139 16.4 17.0 25.6#
279 23.6 21.1 31.7





#39

Benzo(a,h,i)perylene

Concen: 5.623 ng

RT: 27.07 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BE100954.D

Acq: 19 Dec 2019 20:13

Instrument :

BNA_E

ClientSampleId :

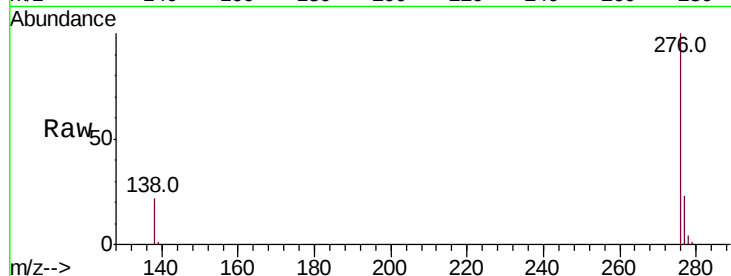
Tot Ion:276 Resp: 354914

Ion Ratio Lower Upper

276 100

277 23.5 19.9 29.9

138 22.2 18.4 27.6



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

