

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031219\
 Data File : BE098894.D
 Acq On : 12 Mar 2019 12:42
 Operator : JU/SJ
 Sample : K1841-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 12 13:17:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	723	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3184	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2054	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	5361	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	6403	0.40	ng	-0.01
34) Perylene-d12	23.90	264	6101	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	243	0.11	ng	0.02
5) Phenol-d6	7.01	99	283	0.09	ng	0.02
8) Nitrobenzene-d5	8.98	82	1246	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	2712	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	426	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	3543	0.42	ng	0.00
25) Fluoranthene-d10	19.24	212	29981	0.35	ng	0.00
29) Terphenyl-d14	19.84	244	8950	0.58	ng	0.00

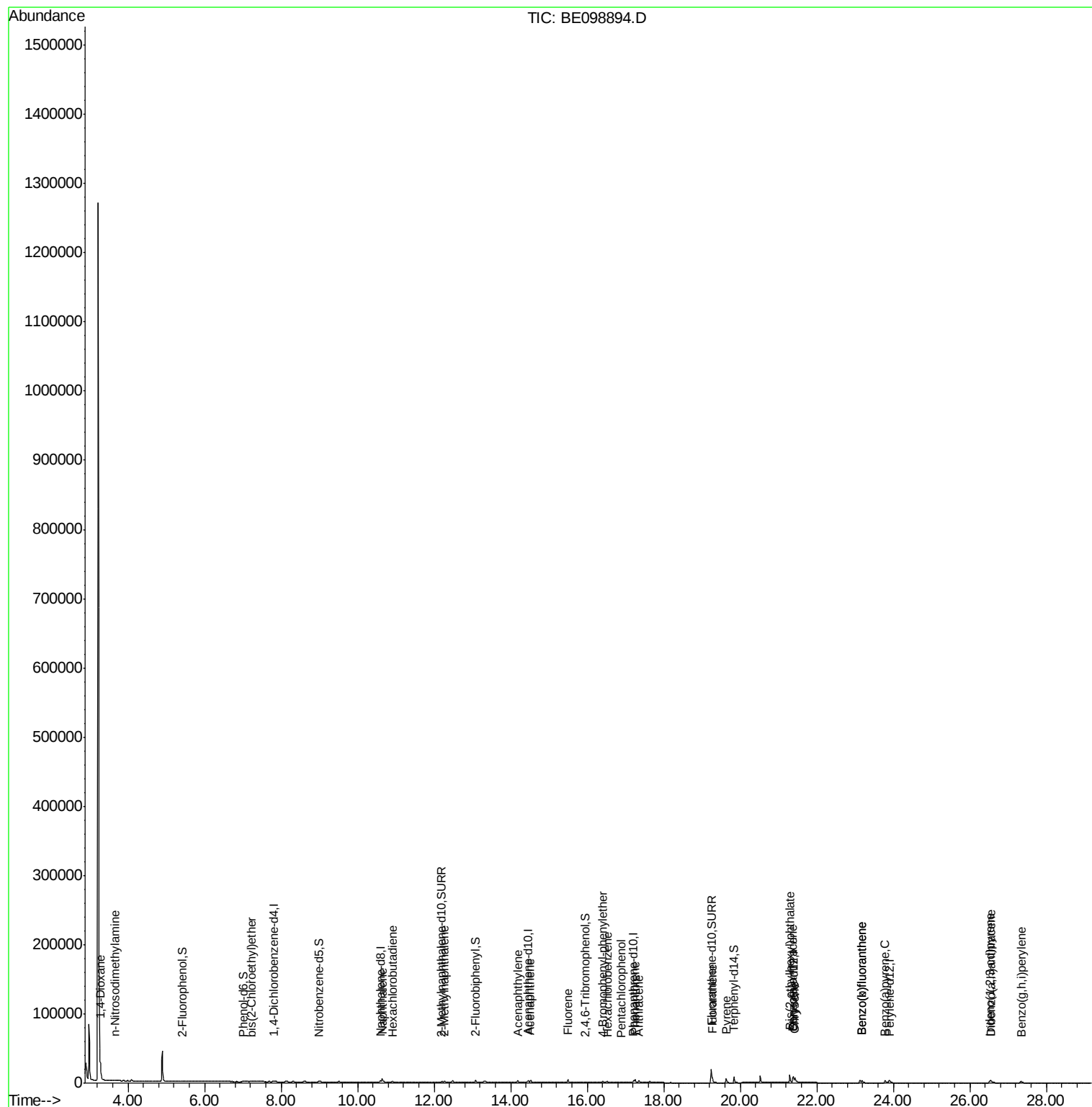
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	8379	7.423	ng	# 94
3) n-Nitrosodimethylamine	3.66	42	164	0.090	ng	# 66
6) bis(2-Chloroethyl)ether	7.23	93	736	0.312	ng	# 74
9) Naphthalene	10.64	128	11886	0.326	ng	99
10) Hexachlorobutadiene	10.91	225	691	0.286	ng	98
12) 2-Methylnaphthalene	12.27	142	1879	0.318	ng	98
16) Acenaphthylene	14.18	152	3310	0.313	ng	97
17) Acenaphthene	14.51	154	2001	0.319	ng	99
18) Fluorene	15.50	166	2836	0.314	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	875	0.301	ng	95
21) Hexachlorobenzene	16.52	284	1092	0.316	ng	96
22) Pentachlorophenol	16.88	266	430	0.630	ng	# 83
23) Phenanthrene	17.25	178	4973	0.326	ng	99
24) Anthracene	17.35	178	3863	0.297	ng	99
26) Fluoranthene	19.27	202	6615	0.308	ng	100
28) Pyrene	19.63	202	6695	0.342	ng	99
30) Benzo(a)anthracene	21.38	228	6282	0.314	ng	98
31) Chrysene	21.43	228	6924	0.324	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	11833	0.278	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	6925	0.307	ng	98
35) Benzo(b)fluoranthene	23.18	252	7149	0.356	ng	96
36) Benzo(k)fluoranthene	23.18	252	7149	0.340	ng	99
37) Benzo(a)pyrene	23.78	252	6151	0.320	ng	# 95
38) Dibenzo(a,h)anthracene	26.56	278	5403	0.297	ng	98
39) Benzo(g,h,i)perylene	27.34	276	6160	0.324	ng	98

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

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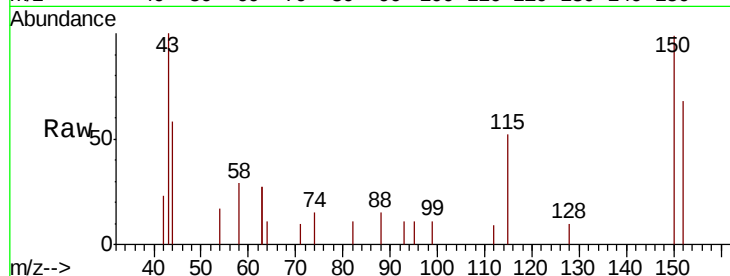


#1

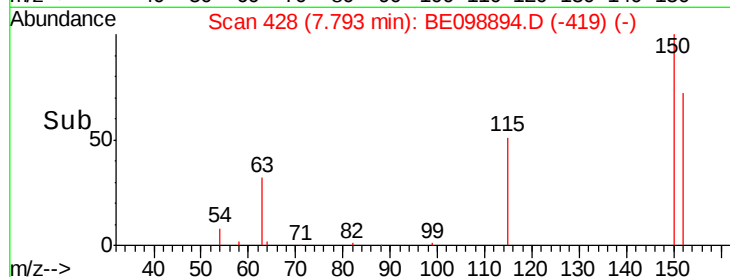
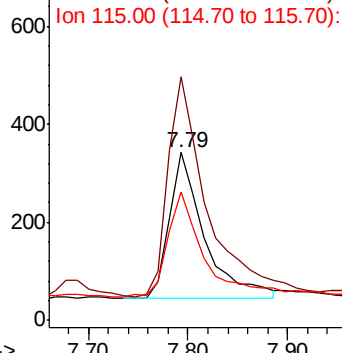
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 723
Ion Ratio Lower Upper
152 100
150 145.3 122.5 183.7
115 76.9 57.4 86.2



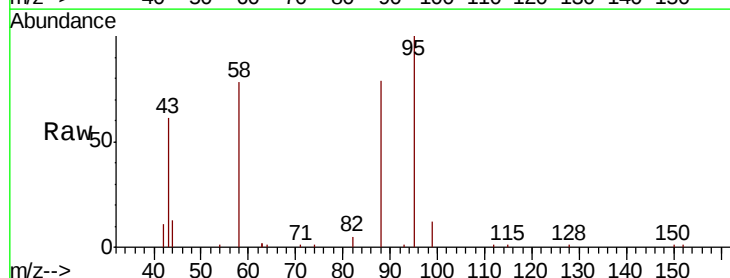
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



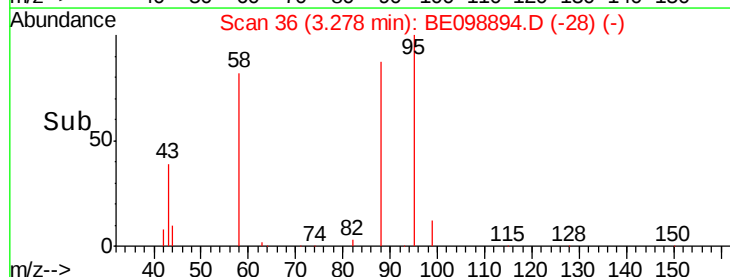
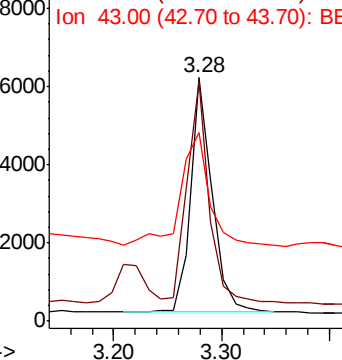
#2

1,4-Dioxane
Concen: 7.423 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion: 88 Resp: 8379
Ion Ratio Lower Upper
88 100
58 93.1 75.8 113.6
43 62.9 41.8 62.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.090 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.04 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

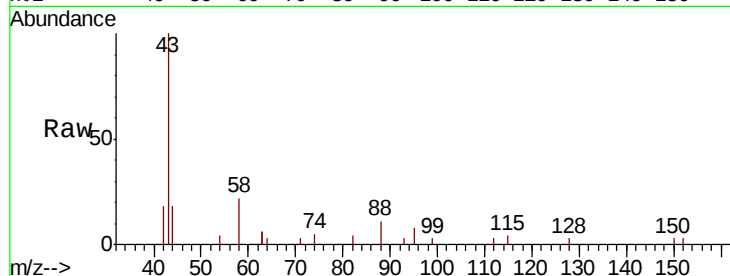
Tot Ion: 42 Resp: 164

Ion Ratio Lower Upper

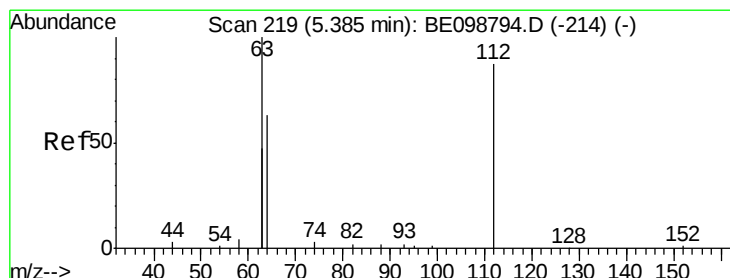
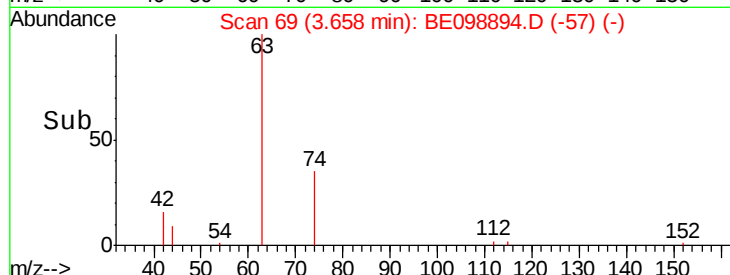
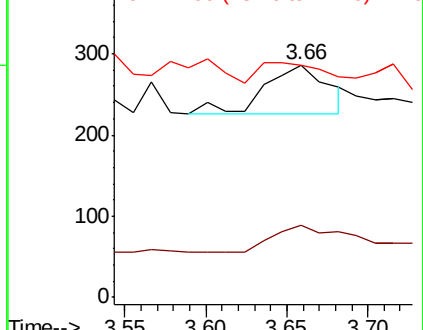
42 100

74 42.7 57.0 85.4#

44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.112 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

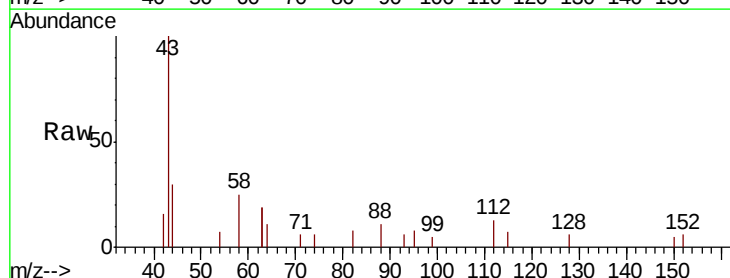
Tgt Ion: 112 Resp: 243

Ion Ratio Lower Upper

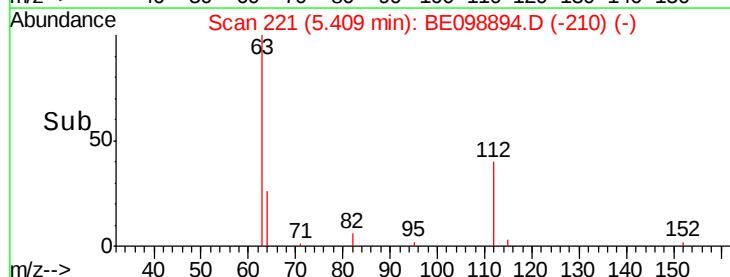
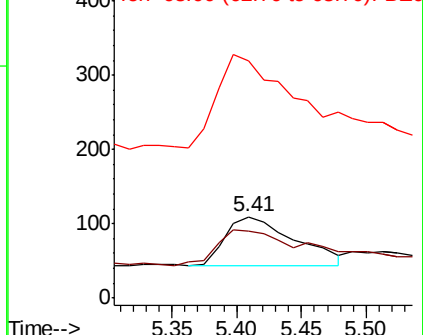
112 100

64 116.5 57.9 86.9#

63 277.0 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.093 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

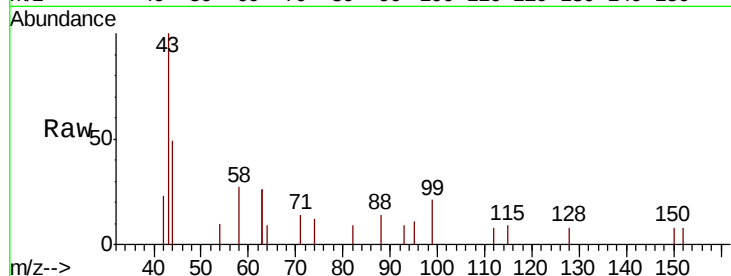
Tot Ion: 99 Resp: 283

Ion Ratio Lower Upper

99 100

42 23.3 24.2 36.2#

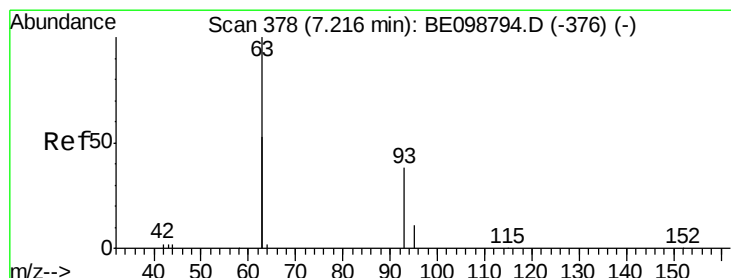
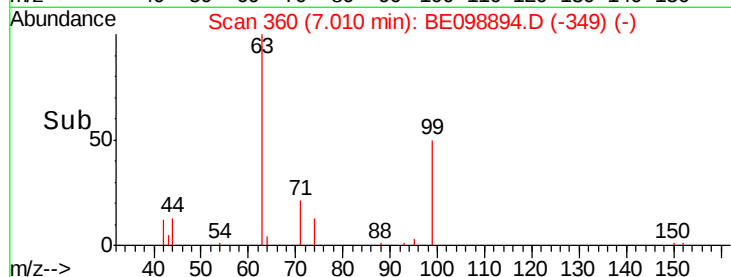
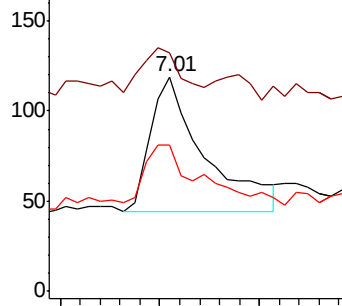
71 45.2 35.7 53.5



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.312 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

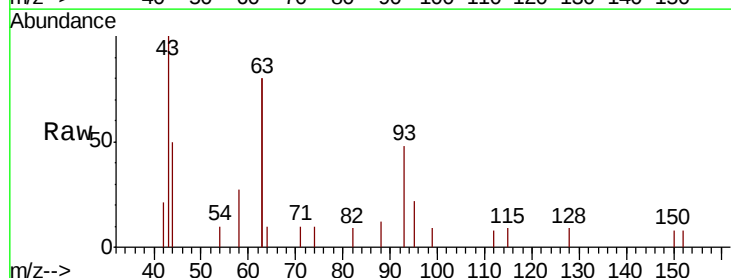
Tgt Ion: 93 Resp: 736

Ion Ratio Lower Upper

93 100

63 361.5 247.5 371.3

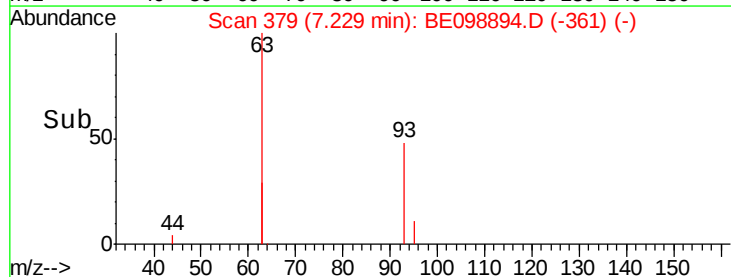
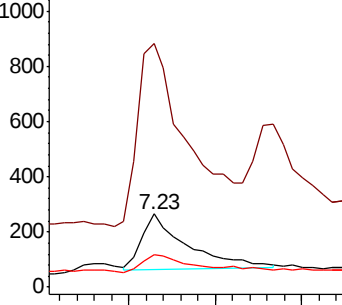
95 37.5 21.8 32.8#

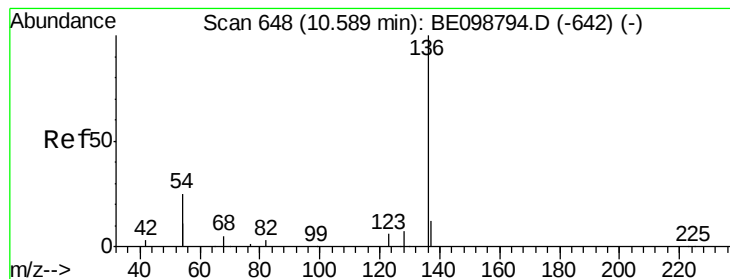


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 3184

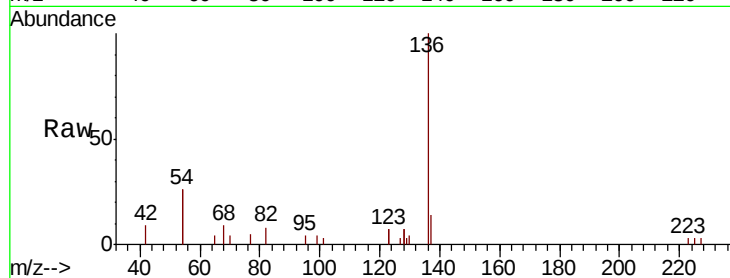
Ion Ratio Lower Upper

136 100

137 13.6 11.4 17.0

54 51.8 39.3 58.9

68 8.6 6.7 10.1

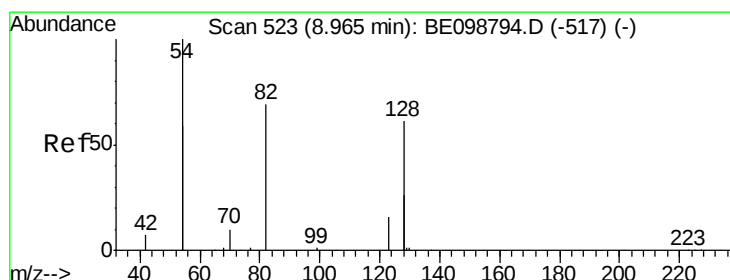
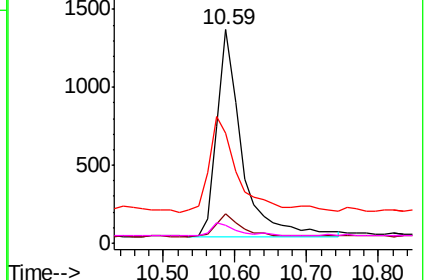
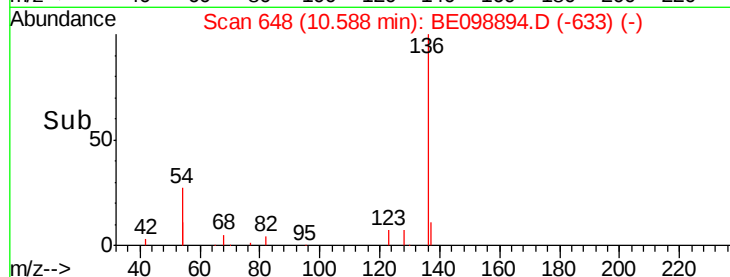


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.373 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

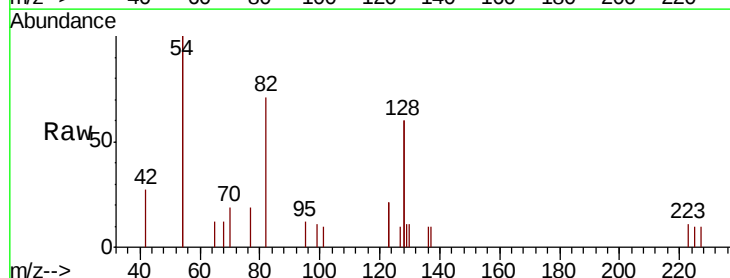
Tgt Ion: 82 Resp: 1246

Ion Ratio Lower Upper

82 100

128 169.3 123.8 185.8

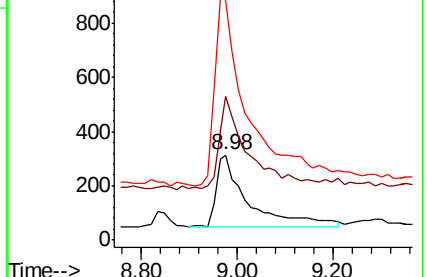
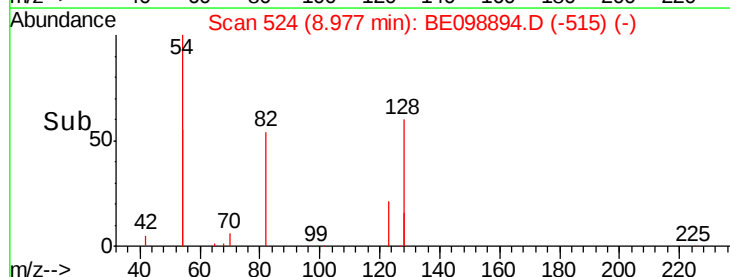
54 283.1 203.4 305.2

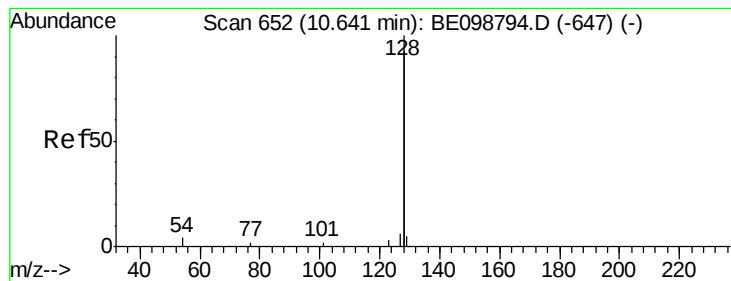


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.326 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

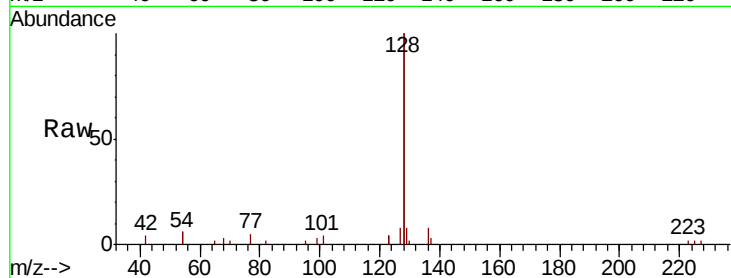
Tot Ion:128 Resp: 11886

Ion Ratio Lower Upper

128 100

129 3.8 2.6 4.0

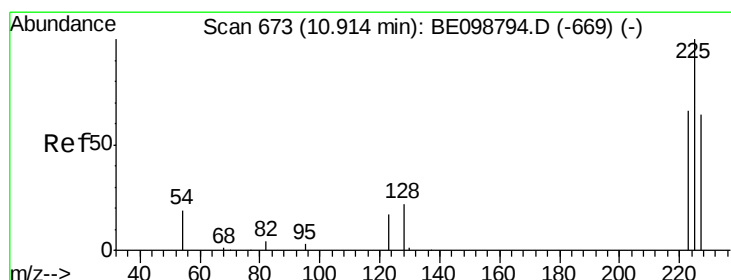
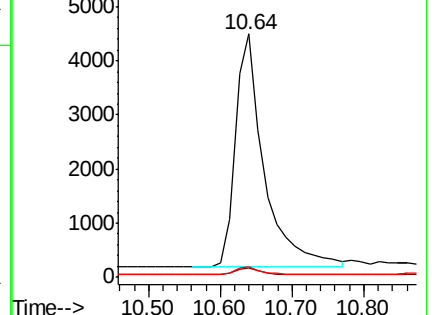
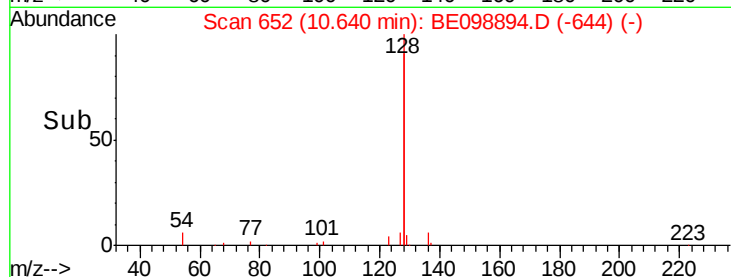
127 4.2 3.1 4.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.286 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

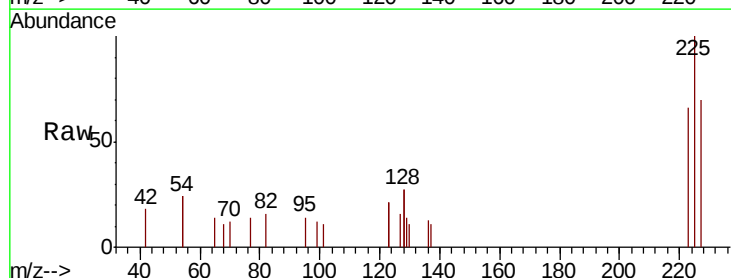
Tgt Ion:225 Resp: 691

Ion Ratio Lower Upper

225 100

223 65.4 51.1 76.7

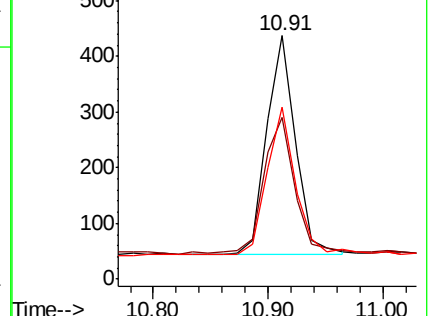
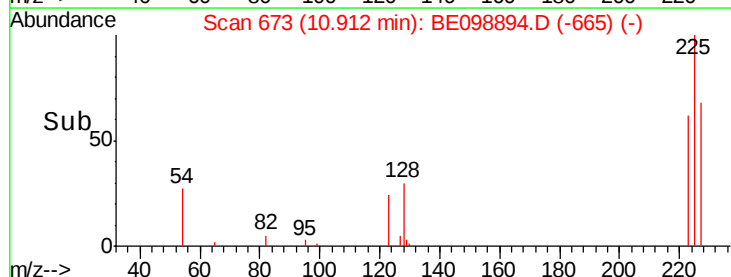
227 65.7 51.6 77.4



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: 0.461 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

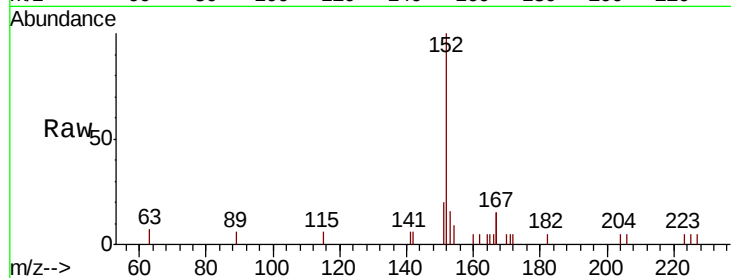
ClientSampleId :

Tot Ion:152 Resp: 2712

Ion Ratio Lower Upper

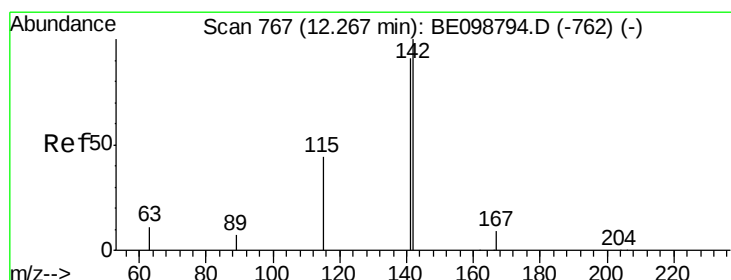
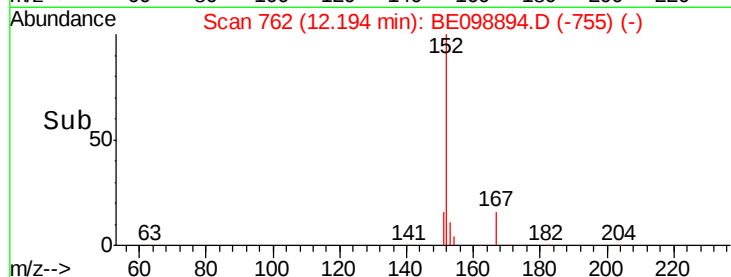
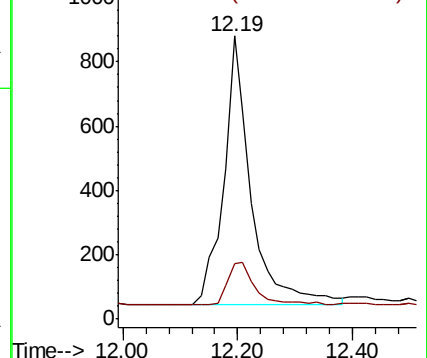
152 100

151 16.4 16.5 24.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.318 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

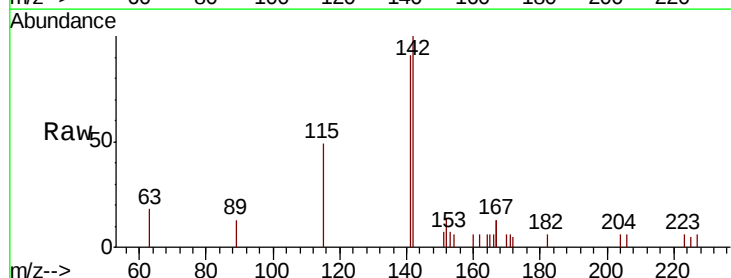
Tgt Ion:142 Resp: 1879

Ion Ratio Lower Upper

142 100

141 91.4 72.6 108.8

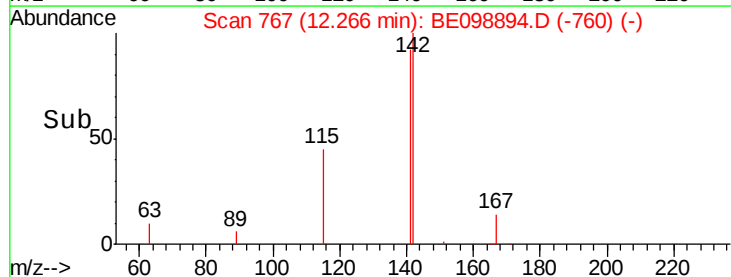
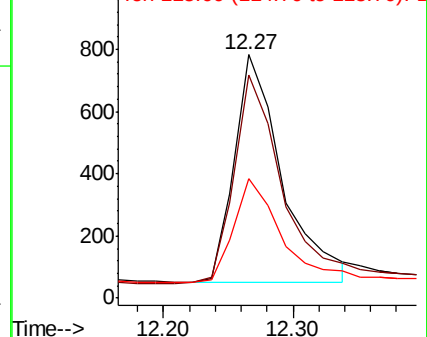
115 48.9 37.4 56.2



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

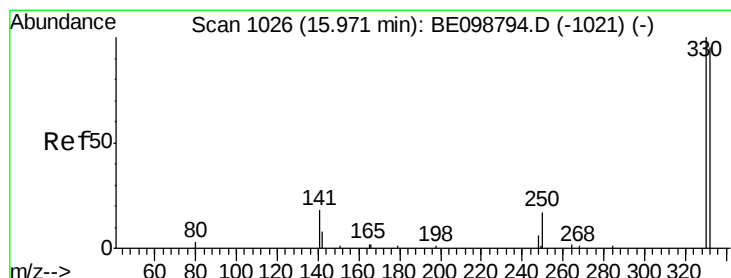
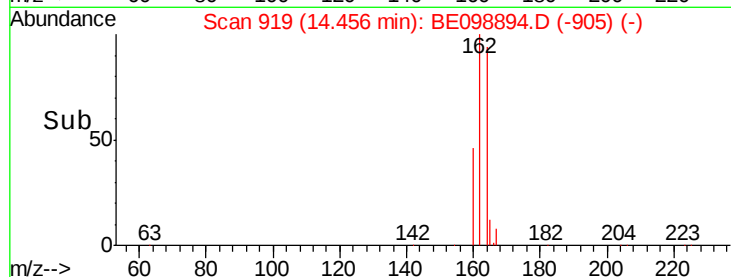
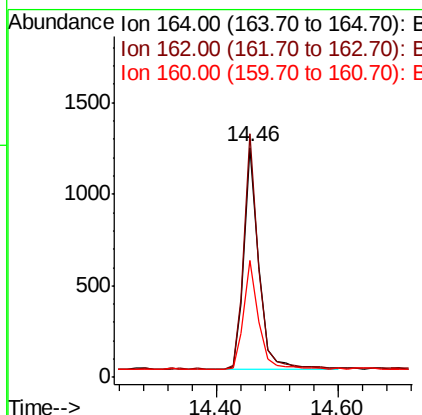
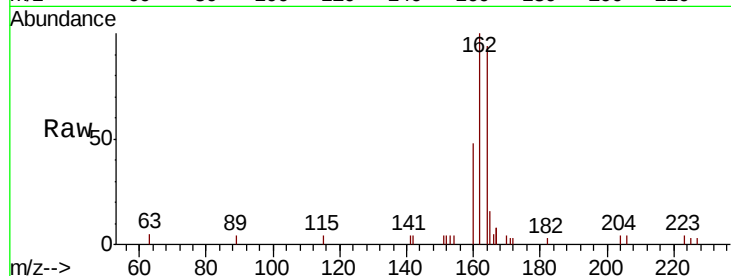




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

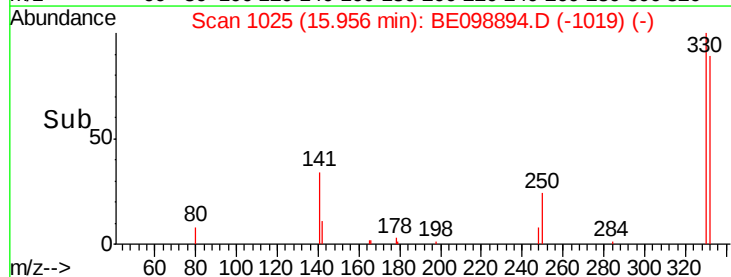
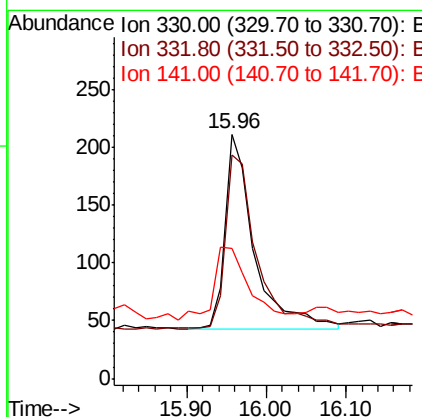
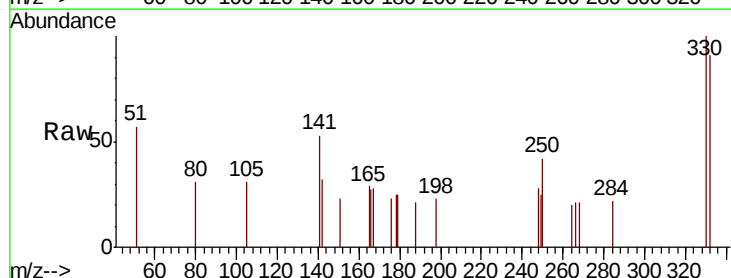
Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2054
Ion Ratio Lower Upper
164 100
162 106.0 80.2 120.2
160 50.9 37.8 56.8



#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:330 Resp: 426
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 34.0 31.0 46.4

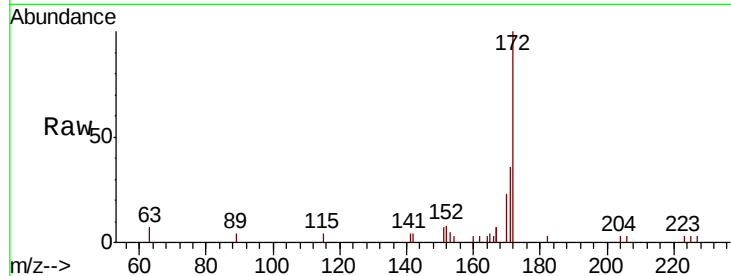




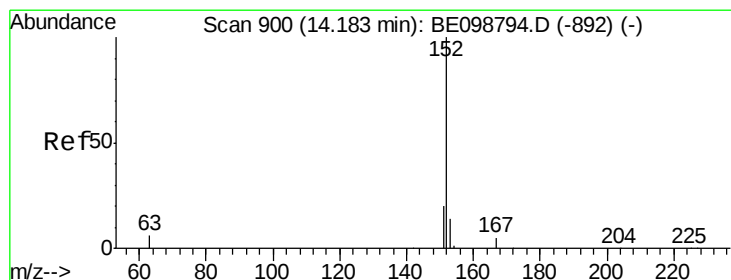
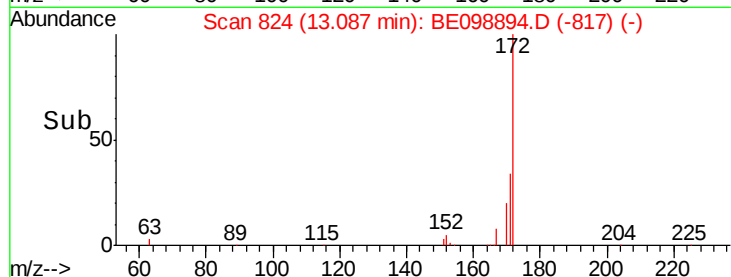
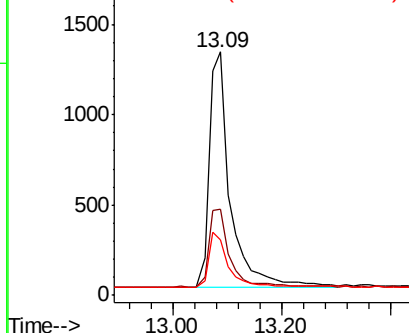
#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 3543
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 22.6 17.7 26.5

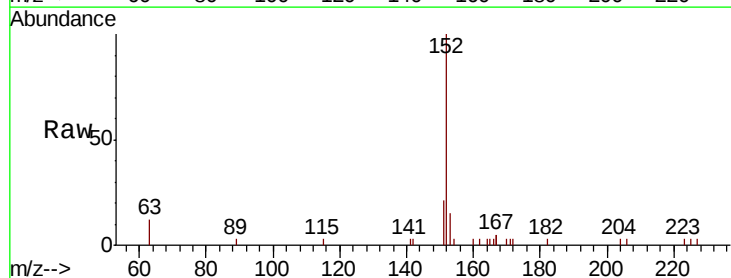


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

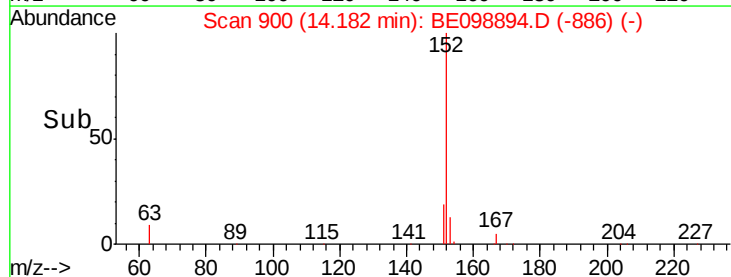
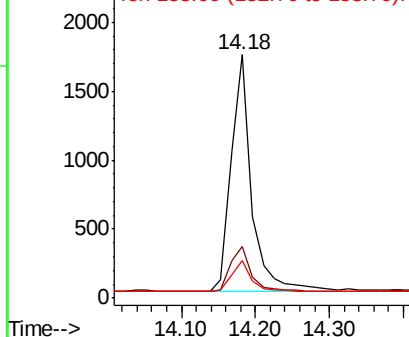


#16
Acenaphthylene
Concen: 0.313 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:152 Resp: 3310
Ion Ratio Lower Upper
152 100
151 19.9 17.0 25.6
153 13.0 11.2 16.8



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

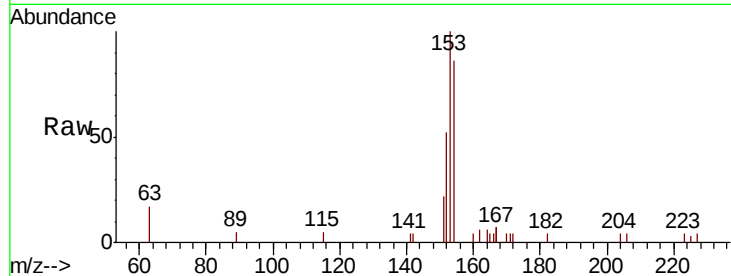




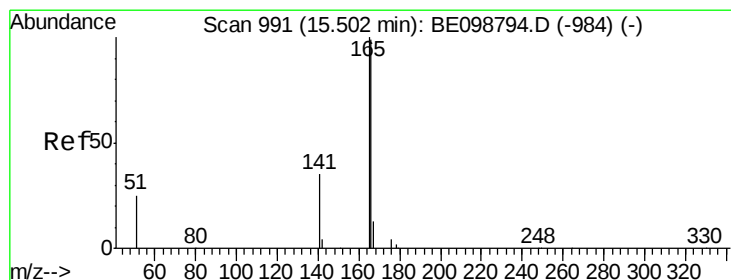
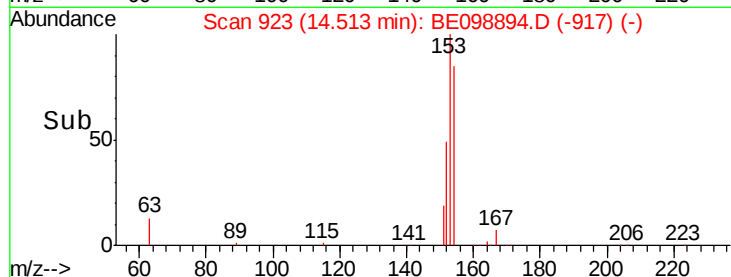
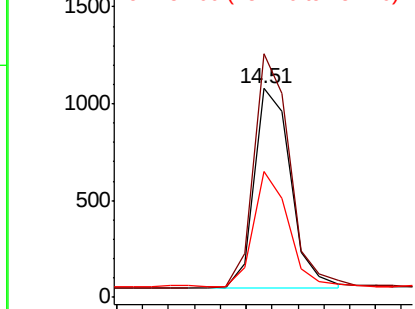
#17
Acenaphthene
Concen: 0.319 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 2001
Ion Ratio Lower Upper
154 100
153 116.8 94.2 141.4
152 55.3 45.0 67.4

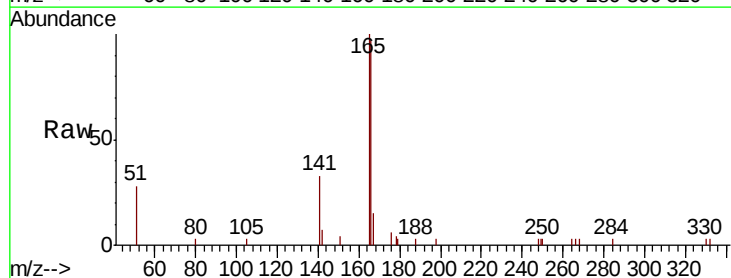


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

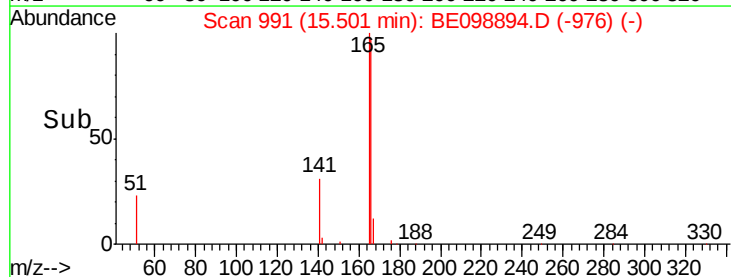
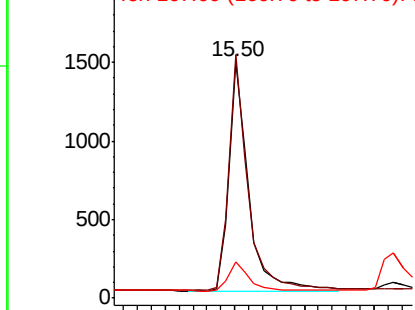


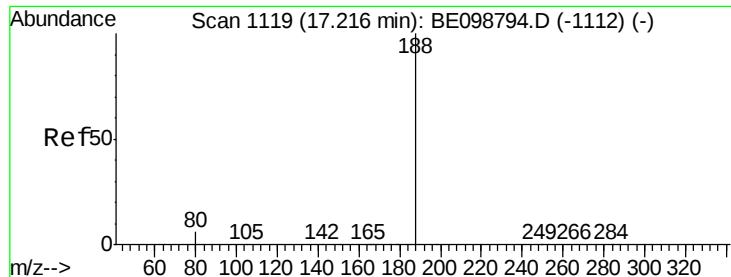
#18
Fluorene
Concen: 0.314 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:166 Resp: 2836
Ion Ratio Lower Upper
166 100
165 100.2 79.3 118.9
167 13.1 10.5 15.7



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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

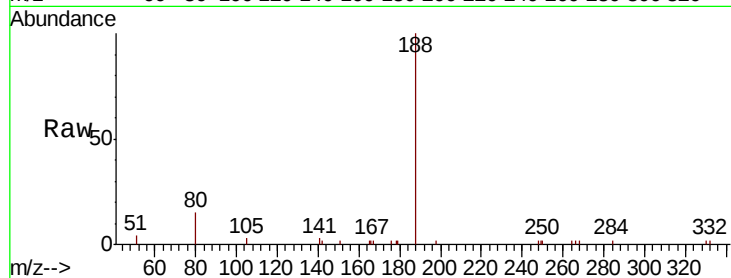
Tot Ion:188 Resp: 5361

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

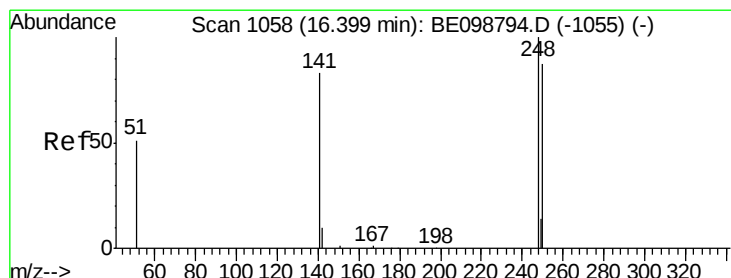
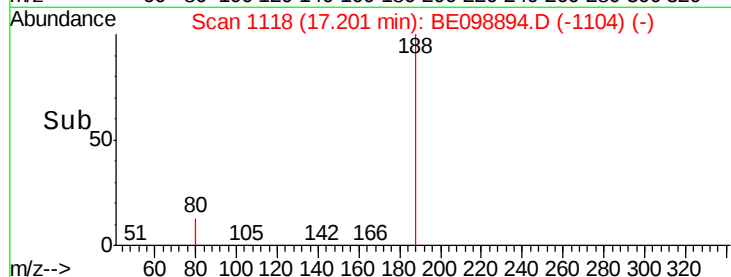
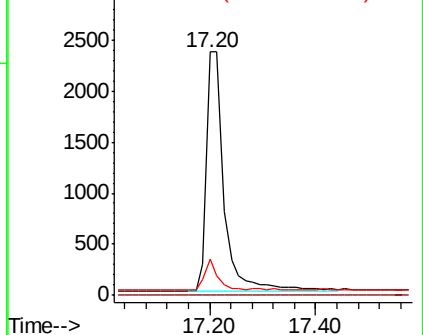
80 14.9 6.3 9.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.301 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

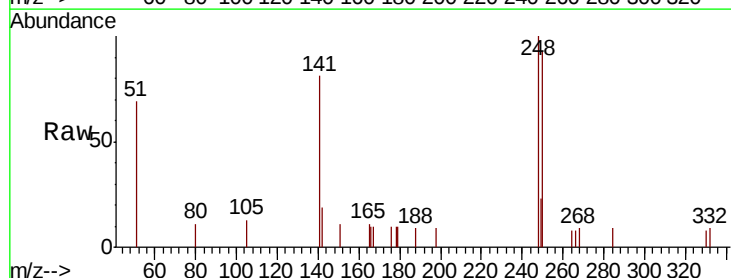
Tgt Ion:248 Resp: 875

Ion Ratio Lower Upper

248 100

250 93.1 70.6 105.8

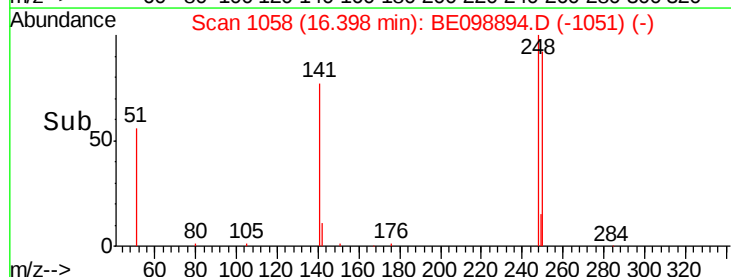
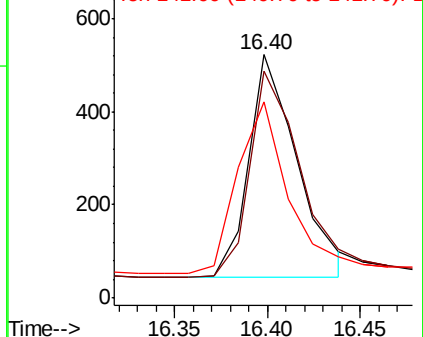
141 80.7 68.6 102.8



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

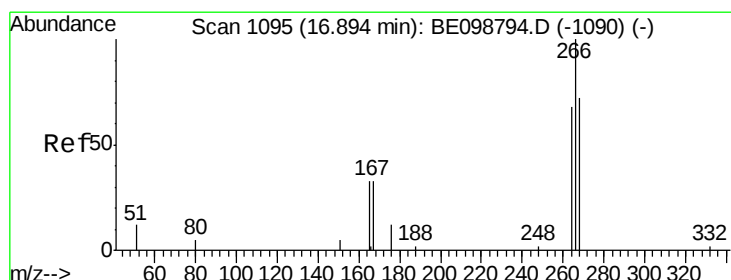
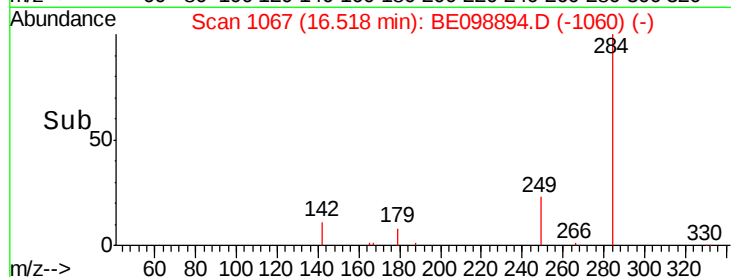
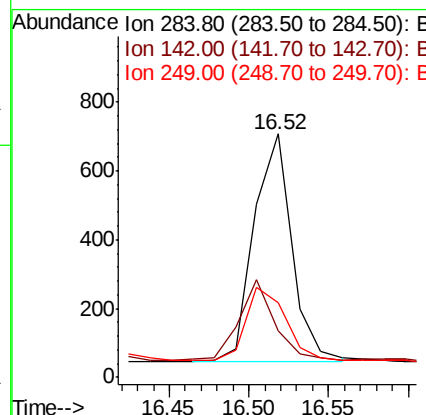
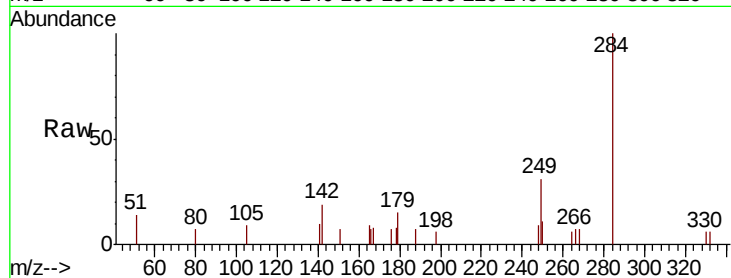




#21
Hexachlorobenzene
Concen: 0.316 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

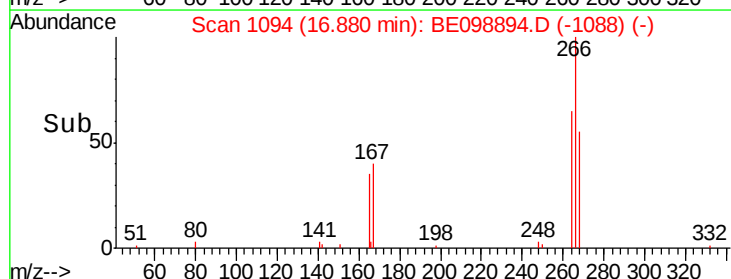
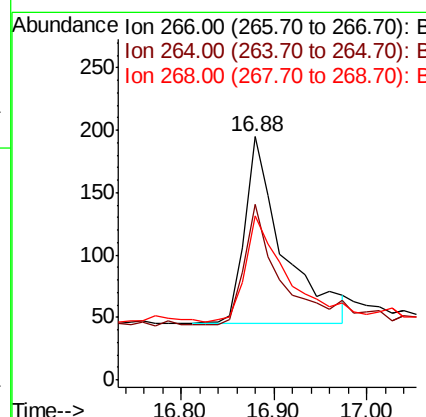
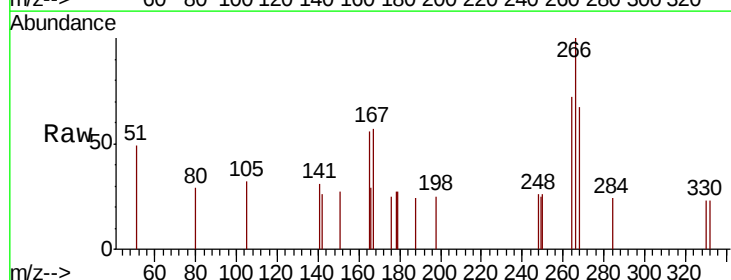
Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1092
Ion Ratio Lower Upper
284 100
142 34.5 28.7 43.1
249 34.0 29.6 44.4



#22
Pentachlorophenol
Concen: 0.630 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:266 Resp: 430
Ion Ratio Lower Upper
266 100
264 72.3 66.6 100.0
268 67.2 69.8 104.8#

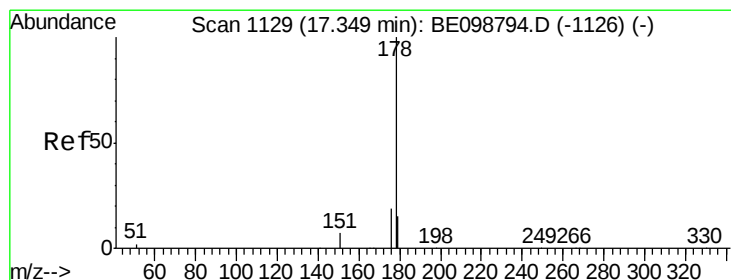
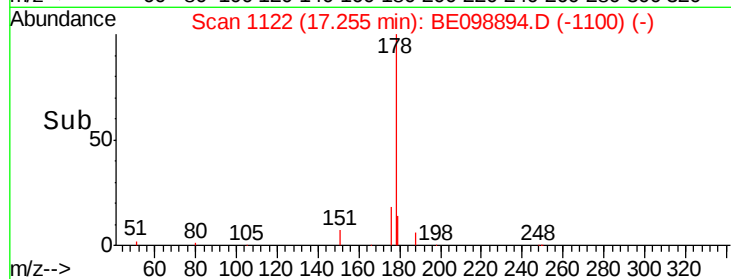
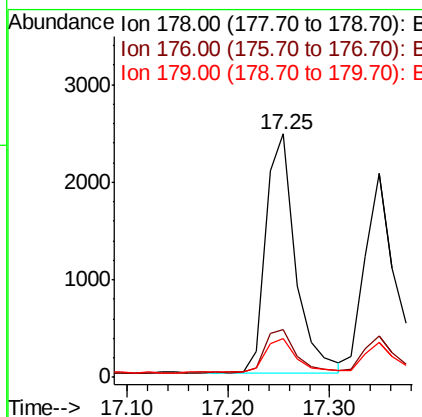
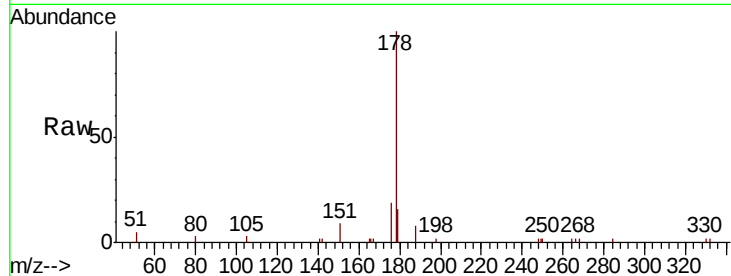




#23
Phenanthrene
Concen: 0.326 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

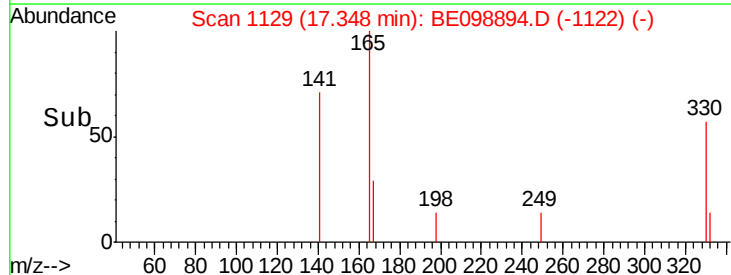
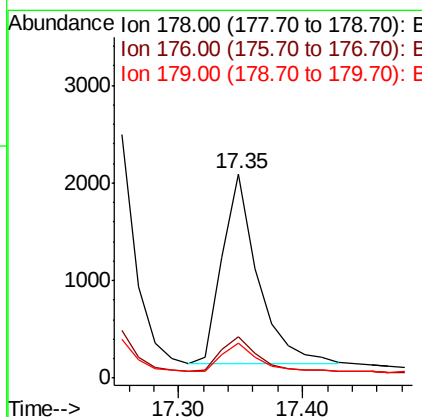
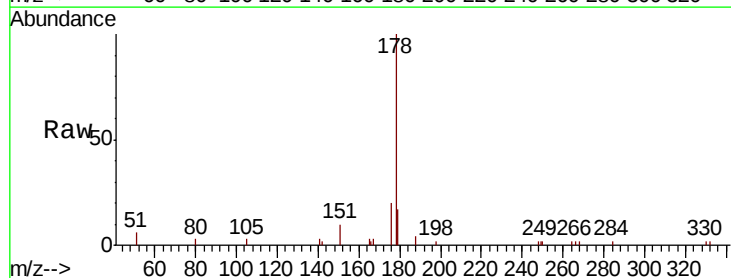
Instrument :
BNA_E
ClientSampleId :

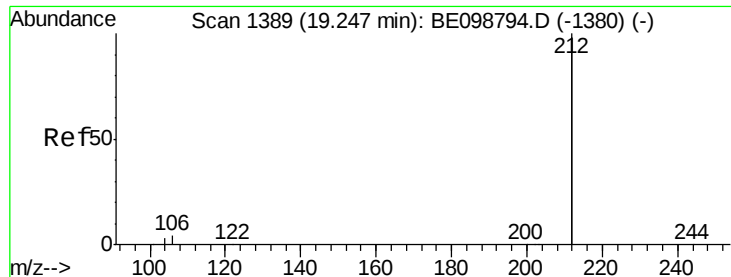
Tot Ion:178 Resp: 4973
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.3 12.1 18.1



#24
Anthracene
Concen: 0.297 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:178 Resp: 3863
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.6 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

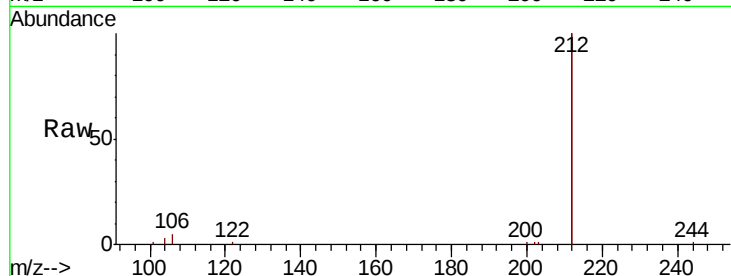
Tot Ion:212 Resp: 29981

Ion Ratio Lower Upper

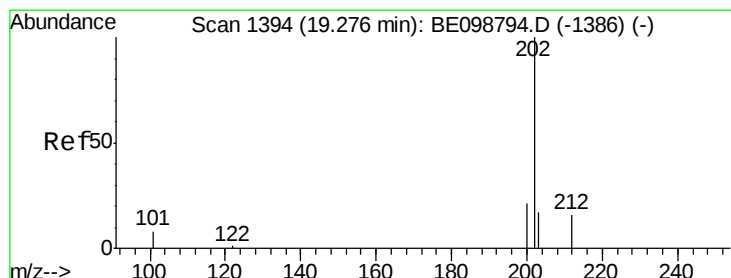
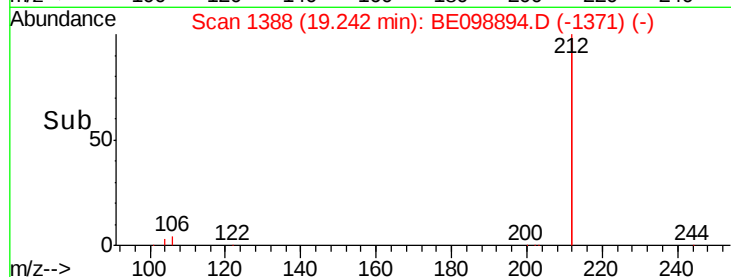
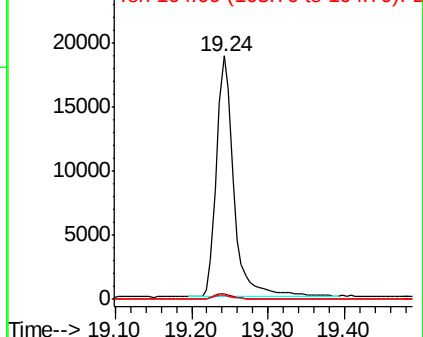
212 100

106 2.3 1.8 2.8

104 1.3 1.0 1.6



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: 0.308 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

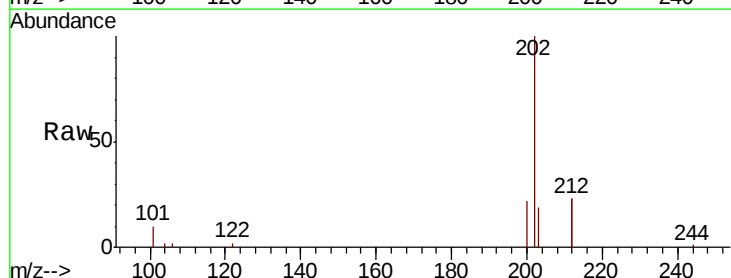
Tgt Ion:202 Resp: 6615

Ion Ratio Lower Upper

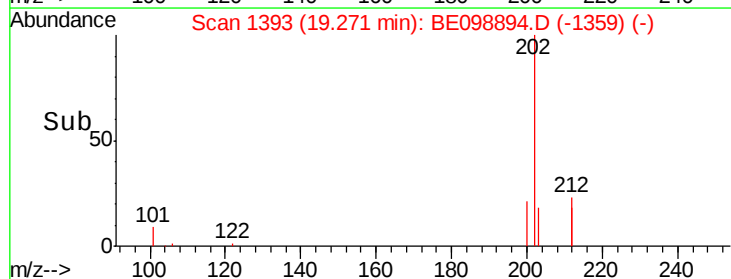
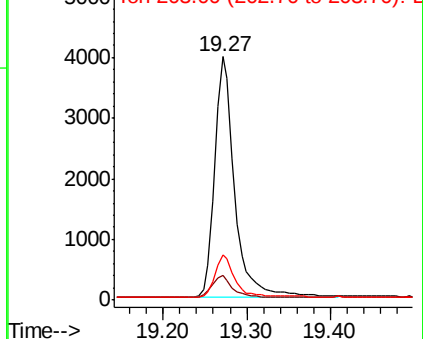
202 100

101 8.9 7.3 10.9

203 16.9 13.4 20.2



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

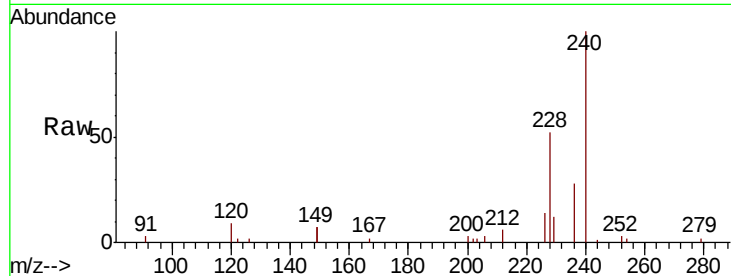




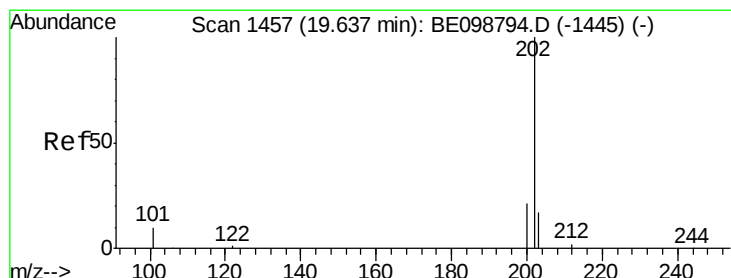
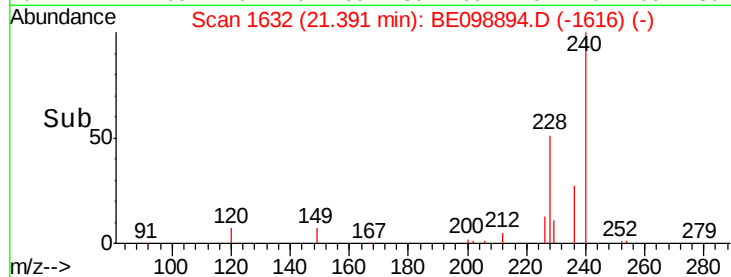
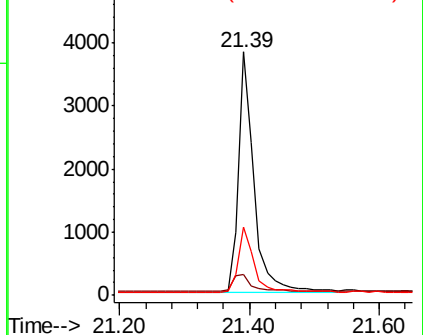
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE098894.D
 Acq: 12 Mar 2019 12:42

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 6403
 Ion Ratio Lower Upper
 240 100
 120 8.7 5.0 7.4#
 236 27.9 22.7 34.1

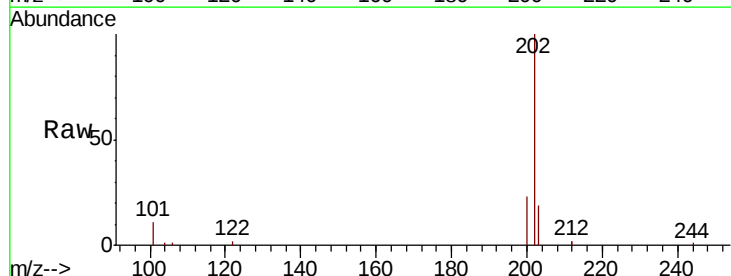


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

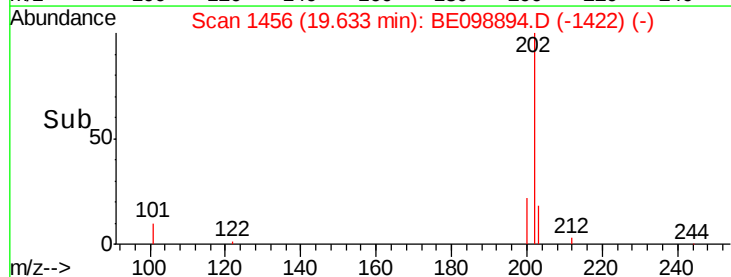
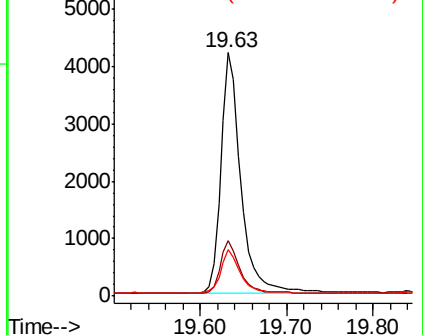


#28
 Pyrene
 Concen: 0.342 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BE098894.D
 Acq: 12 Mar 2019 12:42

Tgt Ion:202 Resp: 6695
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.0 25.6
 203 18.1 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.575 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

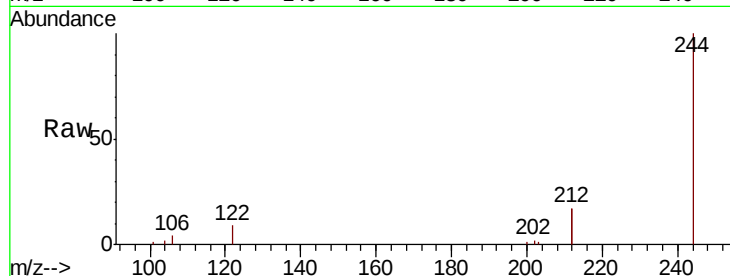
Tot Ion:244 Resp: 8950

Ion Ratio Lower Upper

244 100

212 34.9 29.4 44.2

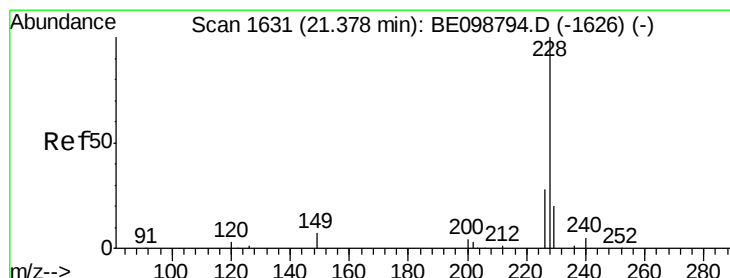
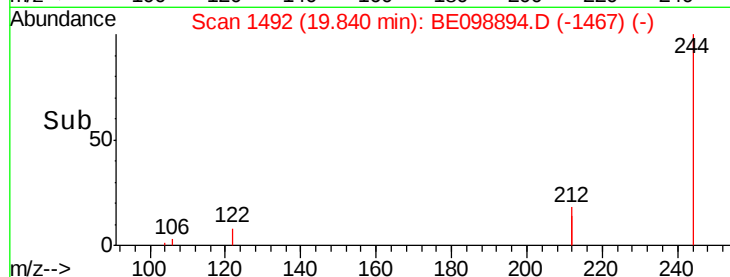
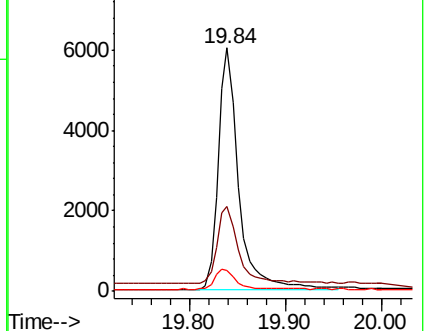
122 8.7 7.1 10.7



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: 0.314 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

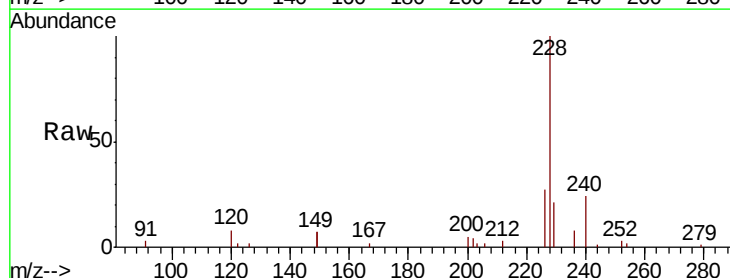
Tgt Ion:228 Resp: 6282

Ion Ratio Lower Upper

228 100

226 27.2 23.0 34.4

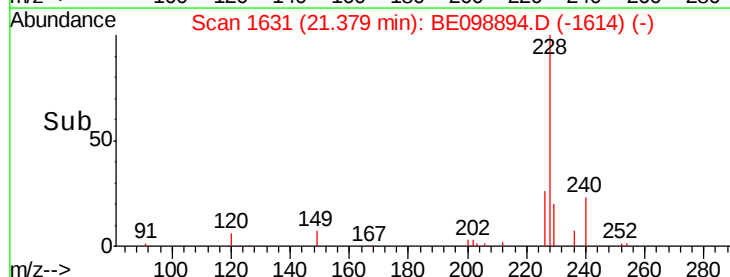
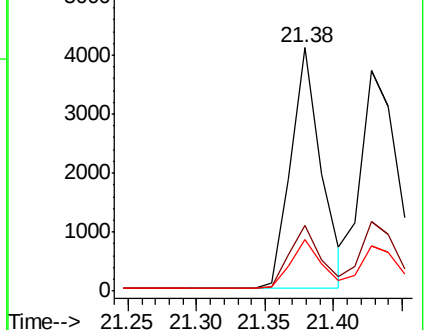
229 21.0 16.5 24.7



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





#31

Chrysene

Concen: 0.324 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

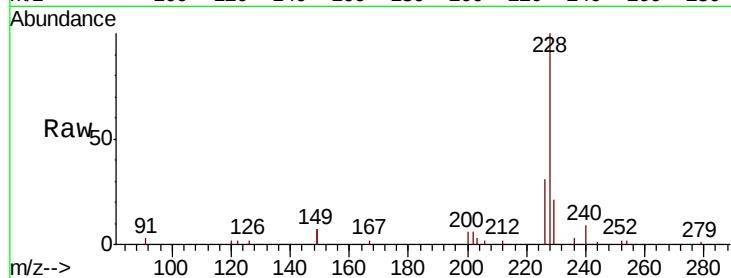
Tot Ion:228 Resp: 6924

Ion Ratio Lower Upper

228 100

226 31.4 23.7 35.5

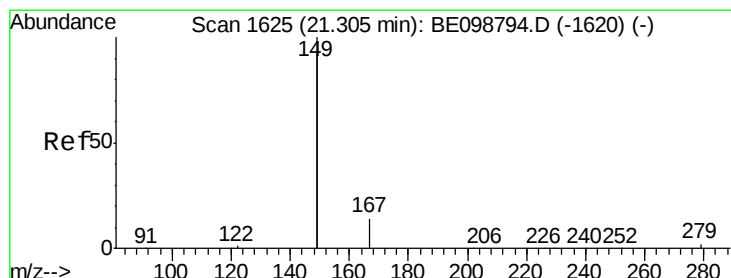
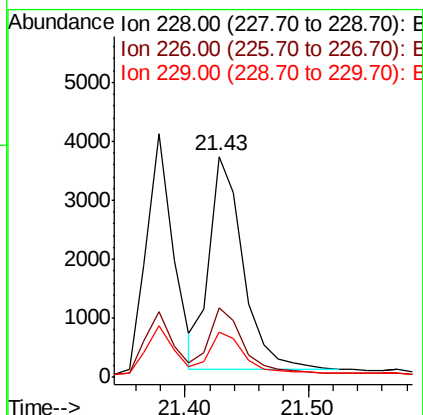
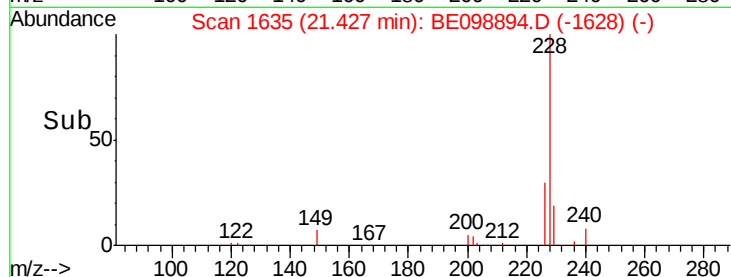
229 20.5 16.1 24.1



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: 0.278 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

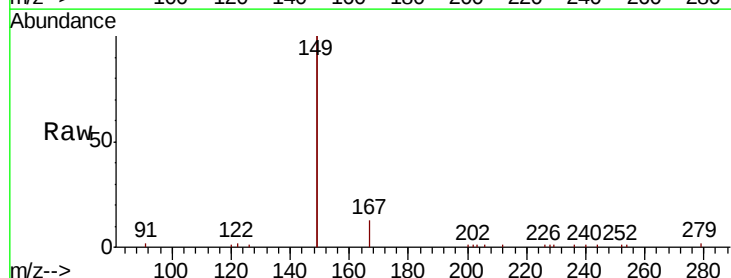
Tgt Ion:149 Resp: 11833

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

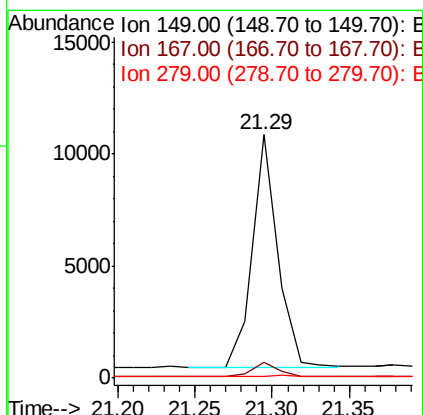
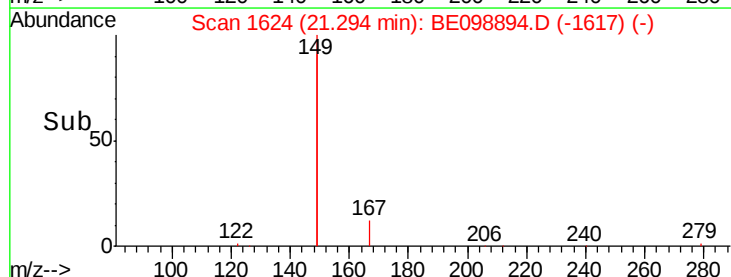
279 1.1 1.0 1.4



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

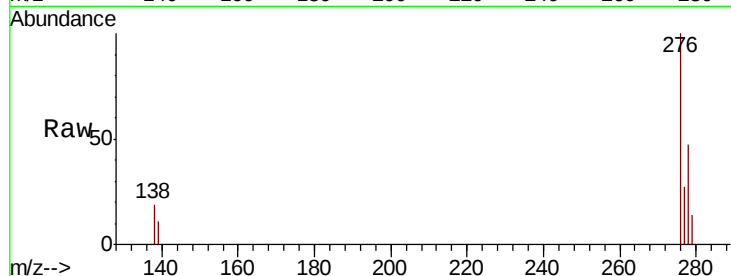




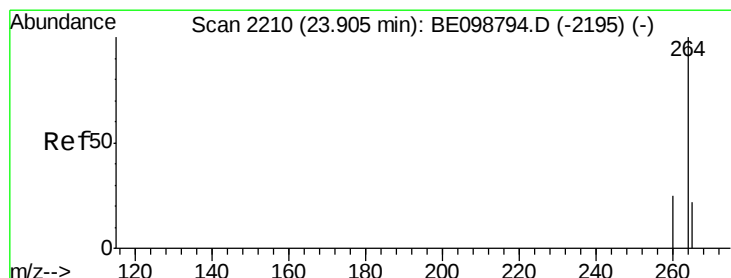
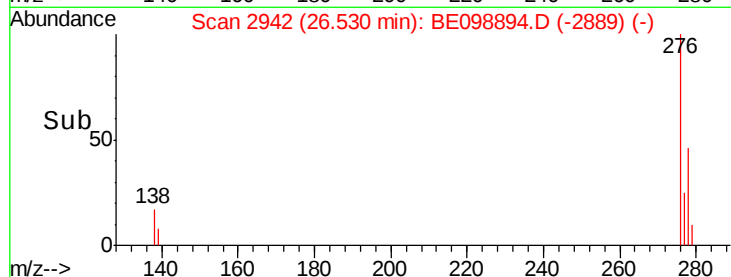
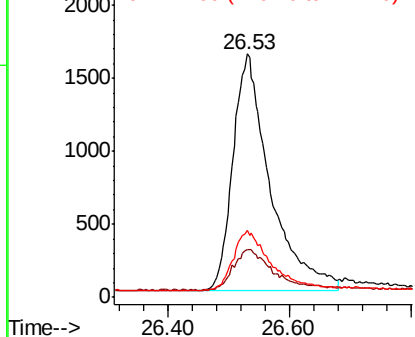
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.307 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 6925
Ion Ratio Lower Upper
276 100
138 18.1 13.8 20.8
277 25.2 19.5 29.3

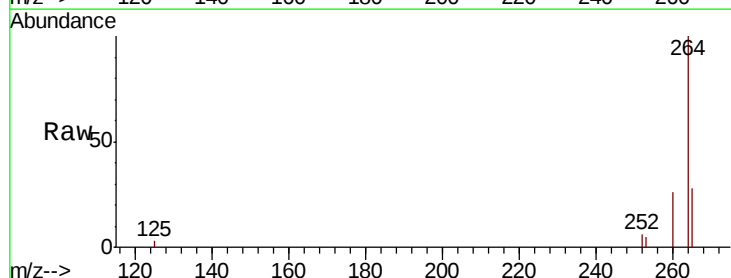


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

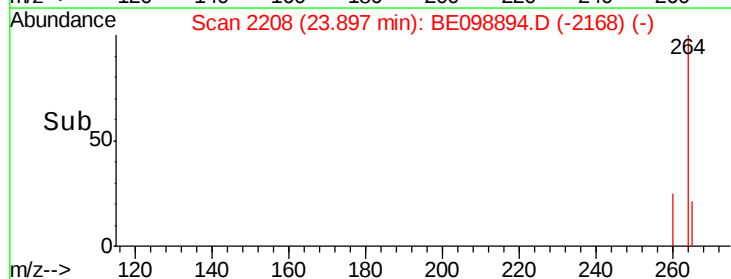
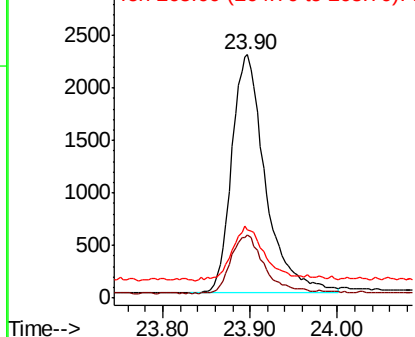


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:264 Resp: 6101
Ion Ratio Lower Upper
264 100
260 26.0 21.2 31.8
265 28.1 24.6 36.8



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

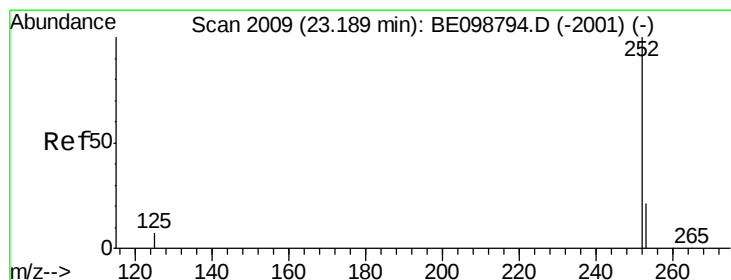
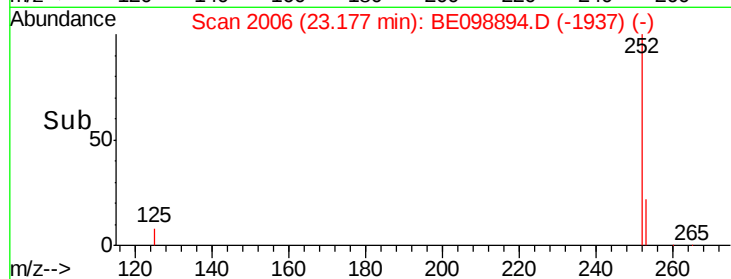
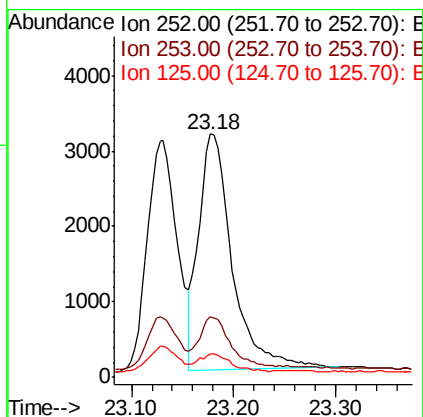
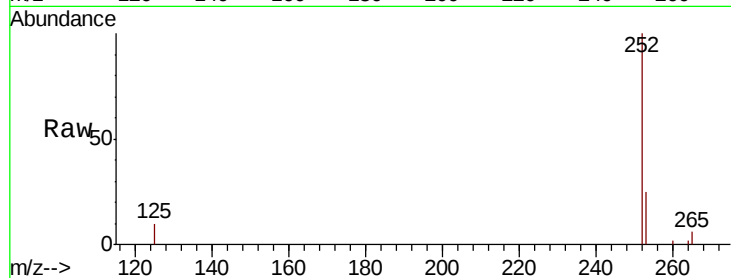




#35
Benzo(b)fluoranthene
Concen: 0.356 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.05 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

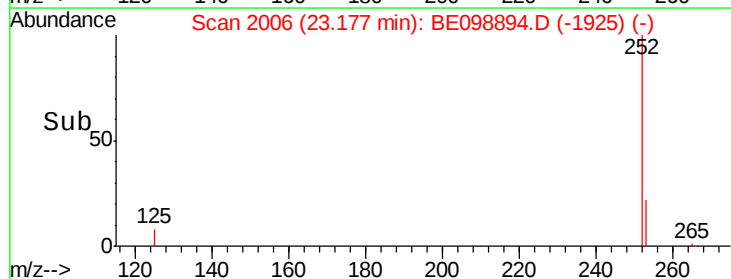
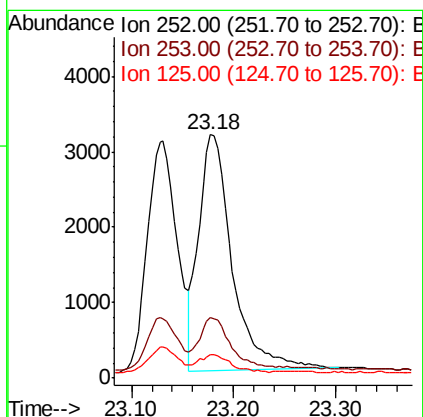
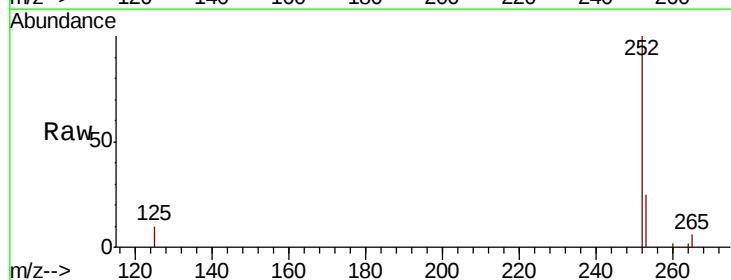
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 7149
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 9.8 7.3 10.9



#36
Benzo(k)fluoranthene
Concen: 0.340 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BE098894.D
Acq: 12 Mar 2019 12:42

Tgt Ion:252 Resp: 7149
Ion Ratio Lower Upper
252 100
253 24.9 19.3 28.9
125 9.8 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.320 ng

RT: 23.78 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :

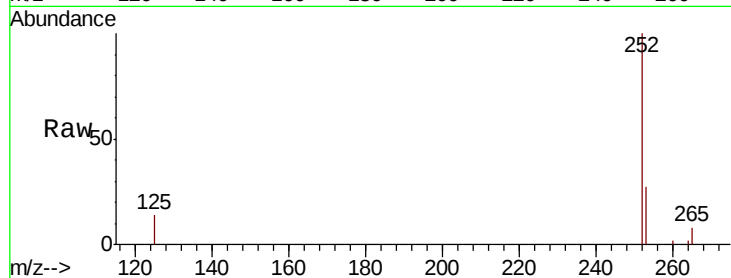
Tot Ion:252 Resp: 6151

Ion Ratio Lower Upper

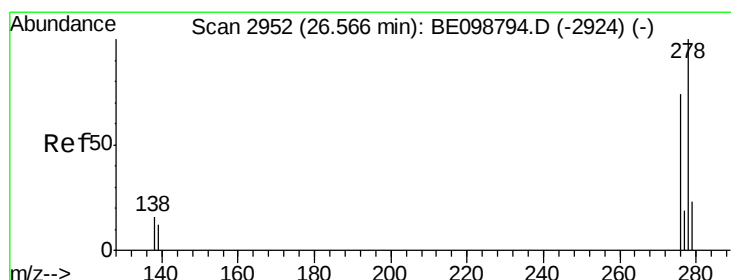
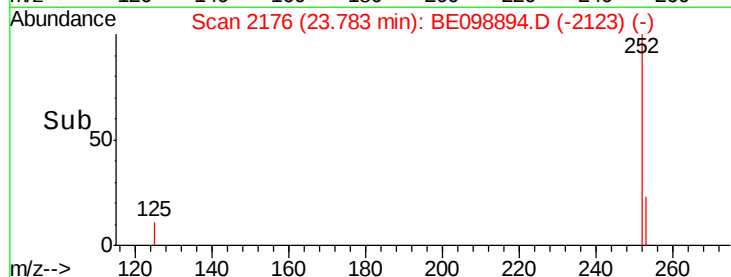
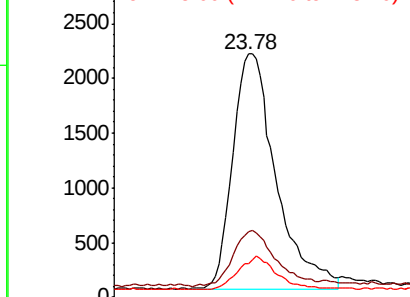
252 100

253 27.0 19.9 29.9

125 13.8 9.0 13.4#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.297 ng

RT: 26.56 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

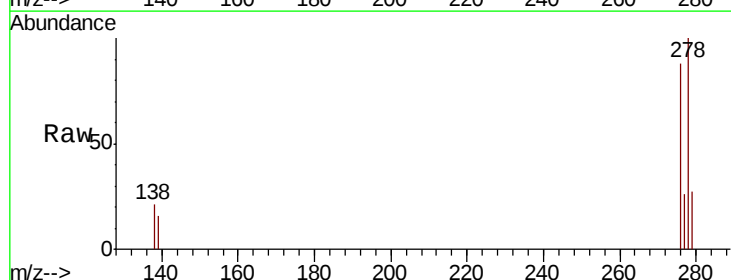
Tgt Ion:278 Resp: 5403

Ion Ratio Lower Upper

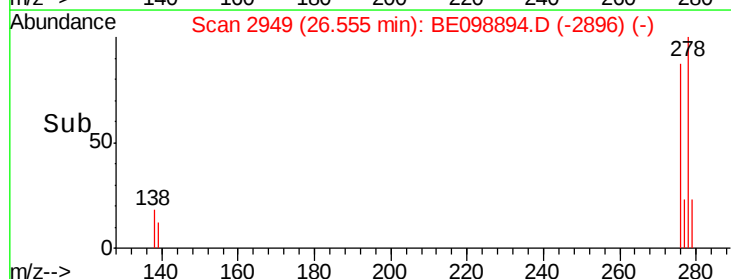
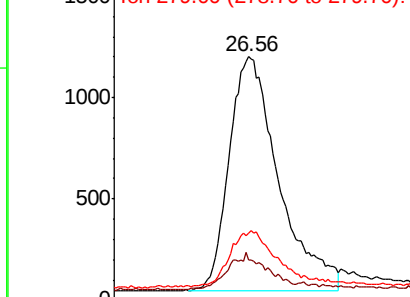
278 100

139 16.2 11.8 17.6

279 27.3 21.1 31.7



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(a,h,i)perylene

Concen: 0.324 ng

RT: 27.34 min Scan# 3169

Delta R.T. -0.01 min

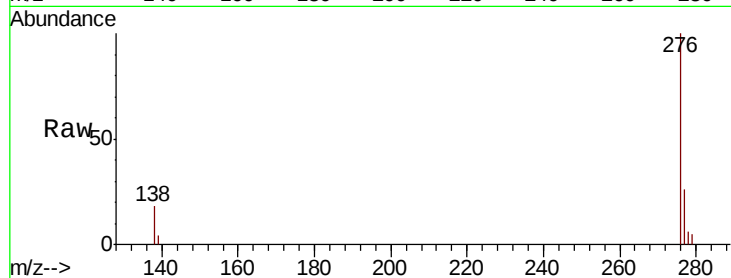
Lab File: BE098894.D

Acq: 12 Mar 2019 12:42

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 6160

Ion Ratio Lower Upper

276 100

277 25.9 20.4 30.6

138 18.5 13.6 20.4

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

