

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030719\
 Data File : BE098812.D
 Acq On : 7 Mar 2019 10:09
 Operator : JU/SJ
 Sample : PB117507BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117507BS

Quant Time: Mar 07 12:50:25 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	7.80	152	875	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	3764	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	2493	0.40	ng	0.01
19) Phenanthrene-d10	17.22	188	6557	0.40	ng	0.00
27) Chrysene-d12	21.40	240	8189	0.40	ng	0.00
34) Perylene-d12	23.91	264	8255	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1074	0.41	ng	0.00
5) Phenol-d6	7.00	99	1504	0.41	ng	0.01
8) Nitrobenzene-d5	8.96	82	1463	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2804	0.40	ng	0.01
14) 2,4,6-Tribromophenol	15.97	330	457	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4013	0.39	ng	0.00
25) Fluoranthene-d10	19.25	212	38795	0.37	ng	0.00
29) Terphenyl-d14	19.85	244	7877	0.40	ng	0.00

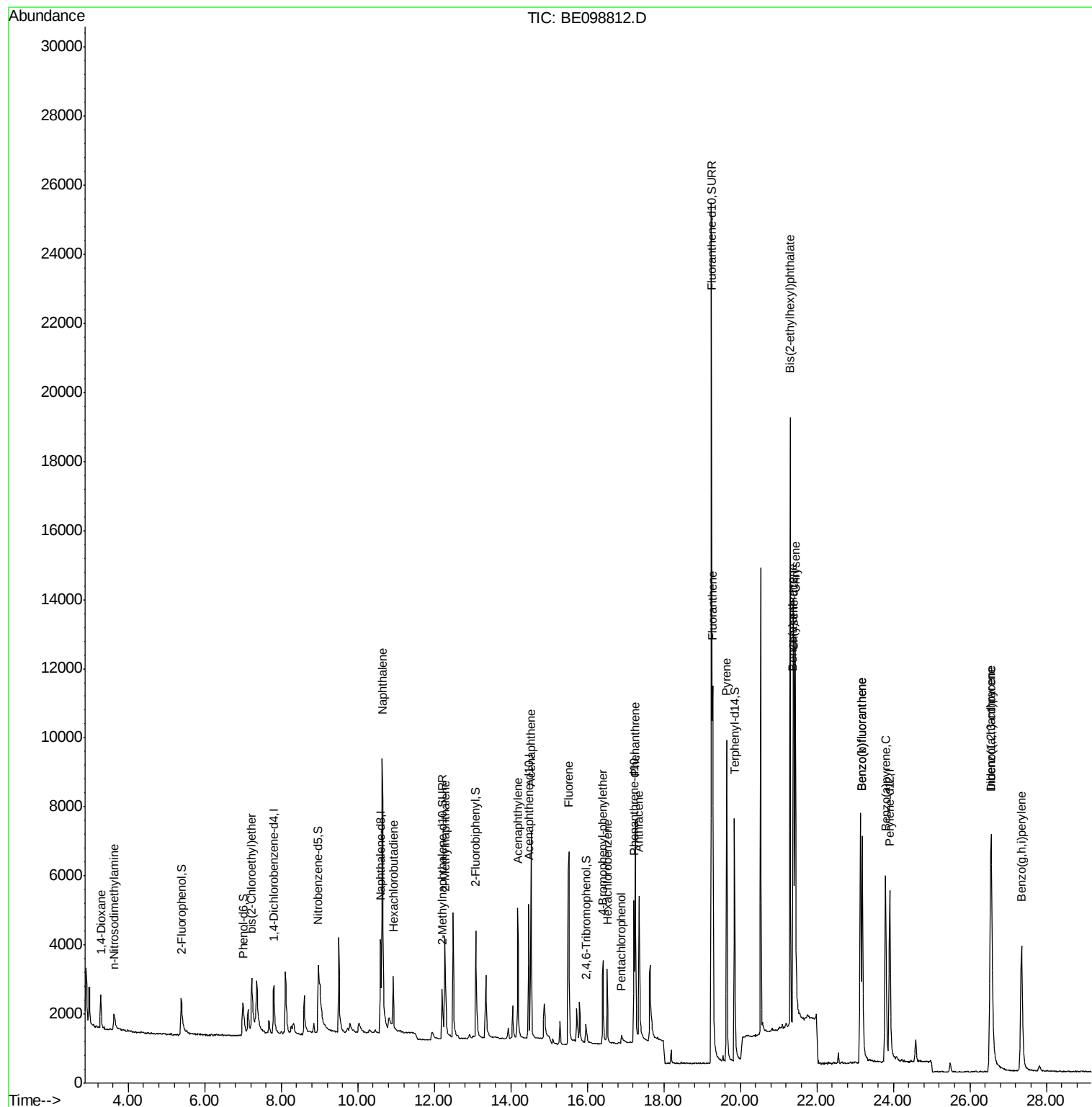
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	694	0.411	ng	93
3) n-Nitrosodimethylamine	3.62	42	828	0.376	ng	# 88
6) bis(2-Chloroethyl)ether	7.23	93	1077	0.378	ng	# 93
9) Naphthalene	10.64	128	17364	0.403	ng	100
10) Hexachlorobutadiene	10.93	225	1133	0.397	ng	98
12) 2-Methylnaphthalene	12.28	142	2732	0.391	ng	96
16) Acenaphthylene	14.18	152	4952	0.386	ng	98
17) Acenaphthene	14.53	154	3020	0.397	ng	99
18) Fluorene	15.52	166	4283	0.390	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	1316	0.370	ng	# 81
21) Hexachlorobenzene	16.52	284	1637	0.387	ng	96
22) Pentachlorophenol	16.89	266	252	0.440	ng	91
23) Phenanthrene	17.26	178	7276	0.390	ng	99
24) Anthracene	17.35	178	5878	0.369	ng	99
26) Fluoranthene	19.28	202	9848	0.374	ng	100
28) Pyrene	19.64	202	10262	0.410	ng	99
30) Benzo(a)anthracene	21.38	228	10015	0.392	ng	97
31) Chrysene	21.44	228	11199	0.410	ng	100
32) Bis(2-ethylhexyl)phthalate	21.31	149	18411	0.339	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	12130	0.420	ng	98
35) Benzo(b)fluoranthene	23.19	252	11398	0.420	ng	99
36) Benzo(k)fluoranthene	23.19	252	11404	0.401	ng	98
37) Benzo(a)pyrene	23.79	252	10085	0.388	ng	98
38) Dibenzo(a,h)anthracene	26.56	278	9763	0.397	ng	96
39) Benzo(g,h,i)perylene	27.35	276	9968	0.387	ng	99

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

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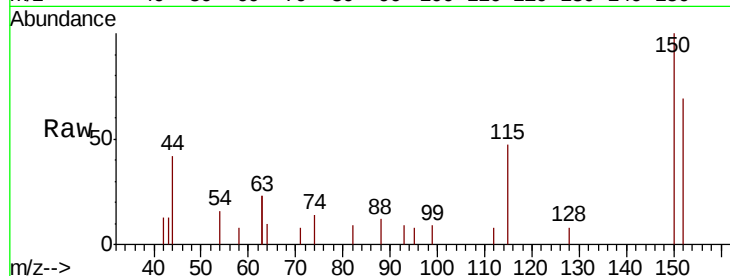


#1

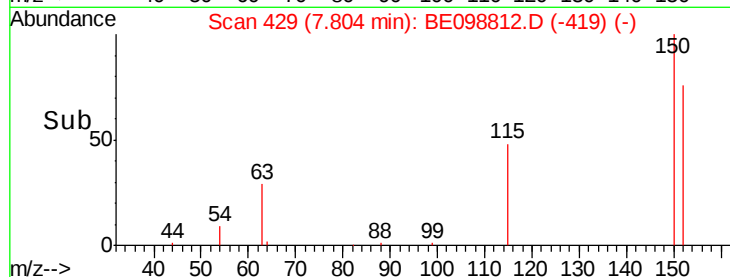
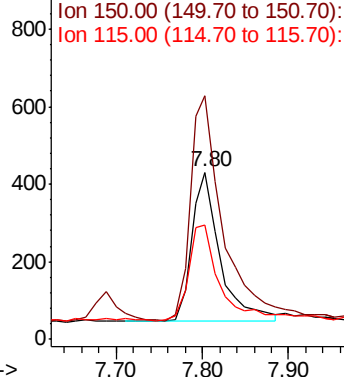
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.01 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Instrument :
BNA_E
ClientSampleId :
PB117507BS

Tot Ion:152 Resp: 875
Ion Ratio Lower Upper
152 100
150 145.7 122.5 183.7
115 68.7 57.4 86.2



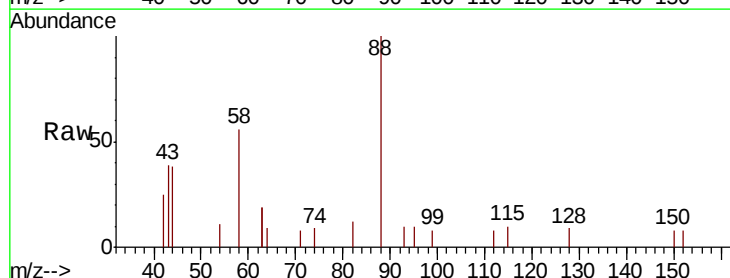
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



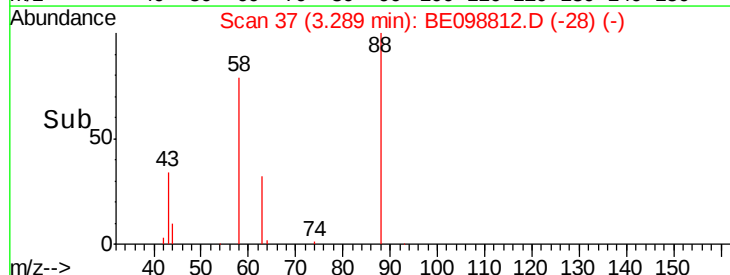
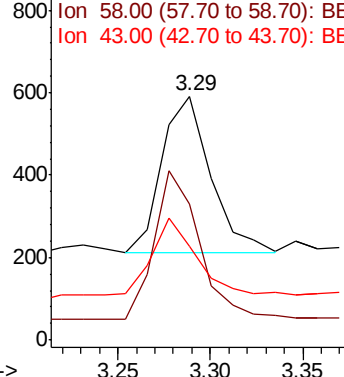
#2

1,4-Dioxane
Concen: 0.411 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Tgt Ion: 88 Resp: 694
Ion Ratio Lower Upper
88 100
58 88.8 75.8 113.6
43 46.0 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: 0.376 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

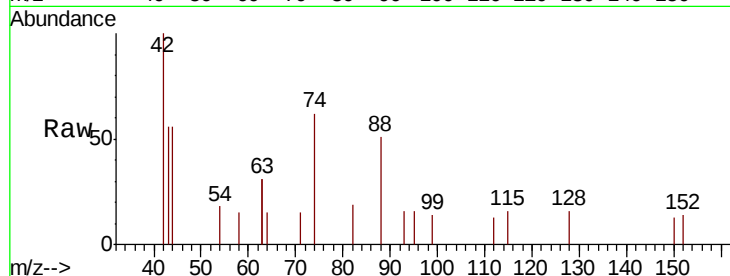
Tot Ion: 42 Resp: 828

Ion Ratio Lower Upper

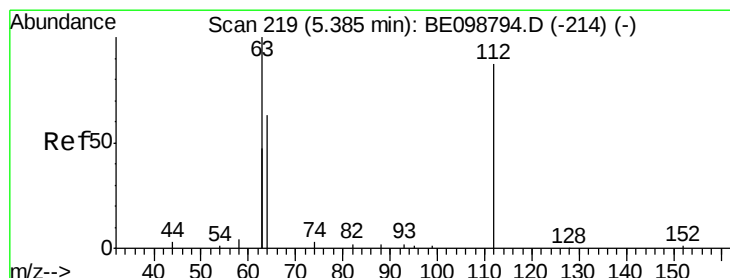
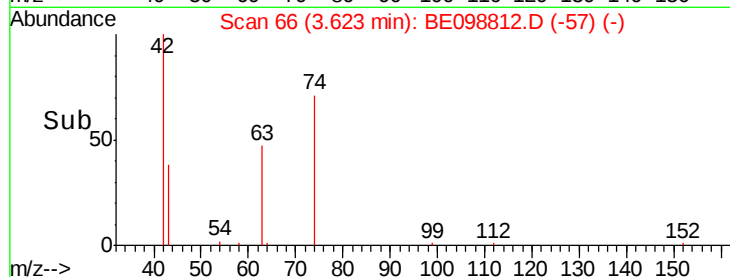
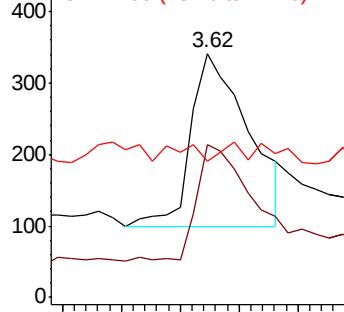
42 100

74 61.5 57.0 85.4

44 5.0 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: 0.411 ng

RT: 5.38 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

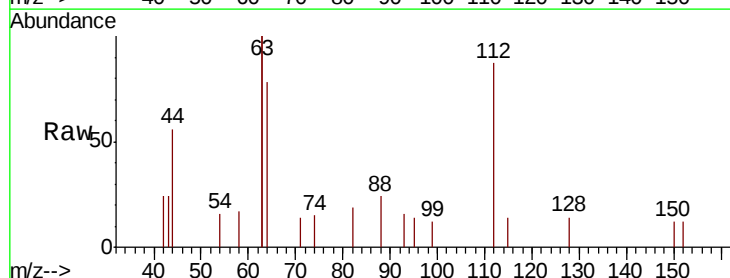
Tgt Ion: 112 Resp: 1074

Ion Ratio Lower Upper

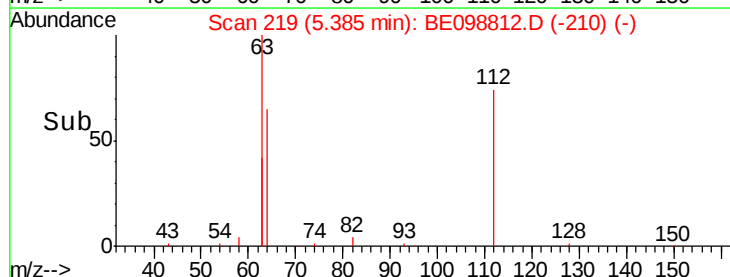
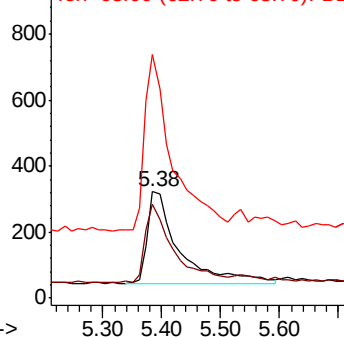
112 100

64 75.1 57.9 86.9

63 164.6 158.3 237.5



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: 0.407 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

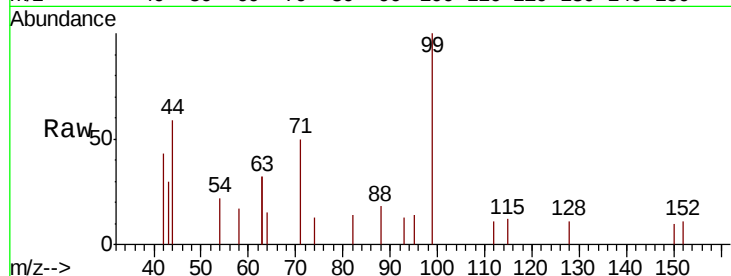
Tot Ion: 99 Resp: 1504

Ion Ratio Lower Upper

99 100

42 28.5 24.2 36.2

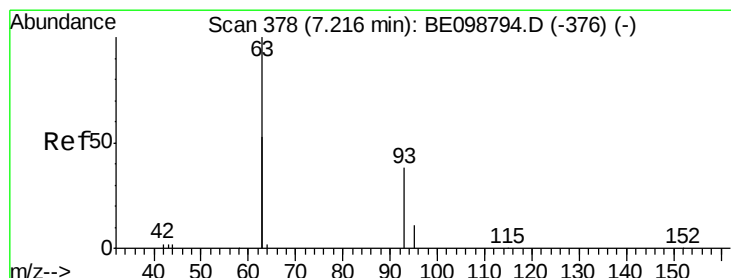
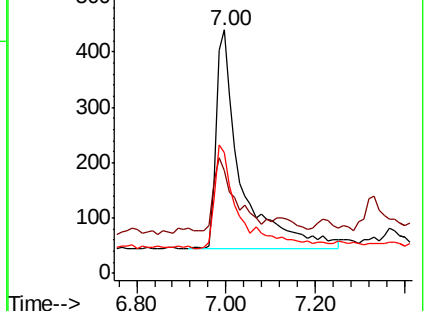
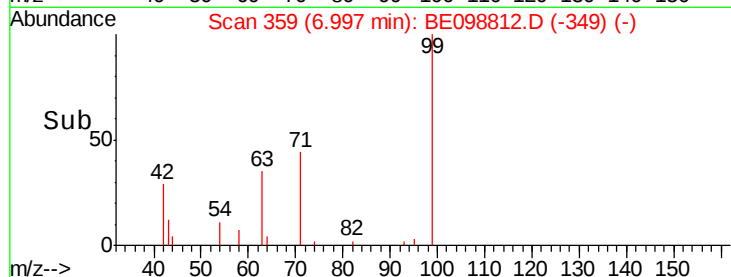
71 47.1 35.7 53.5



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: 0.378 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

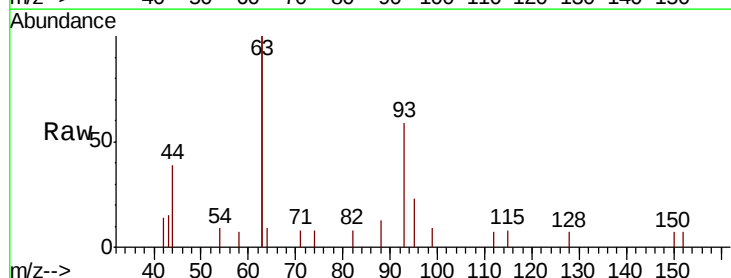
Tgt Ion: 93 Resp: 1077

Ion Ratio Lower Upper

93 100

63 295.9 247.5 371.3

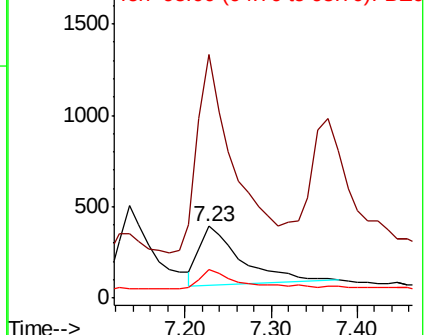
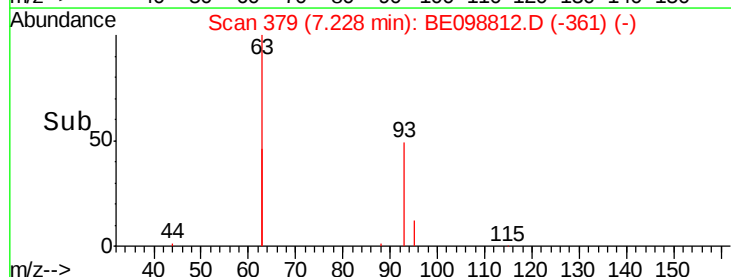
95 33.7 21.8 32.8#



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: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

Tot Ion:136 Resp: 3764

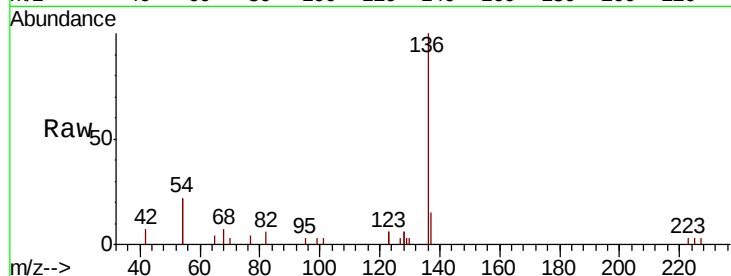
Ion Ratio Lower Upper

136 100

137 14.7 11.4 17.0

54 43.1 39.3 58.9

68 7.0 6.7 10.1

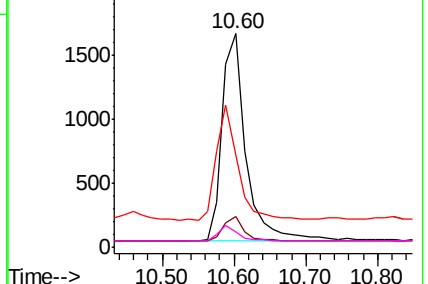
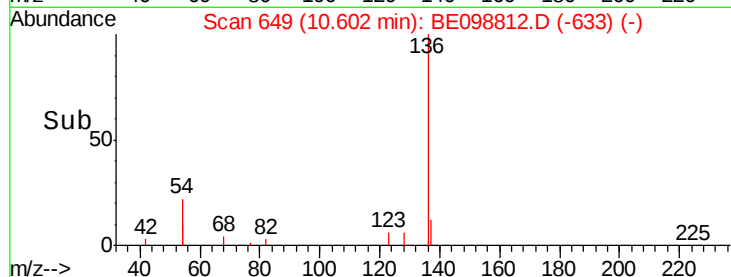


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.371 ng

RT: 8.96 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

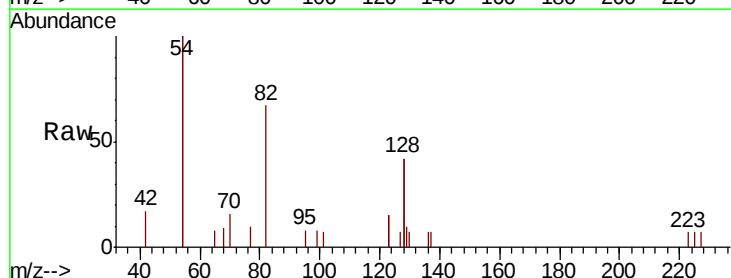
Tgt Ion: 82 Resp: 1463

Ion Ratio Lower Upper

82 100

128 124.9 123.8 185.8

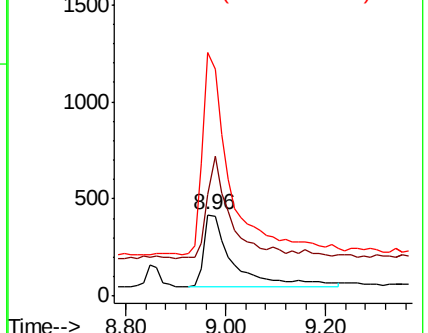
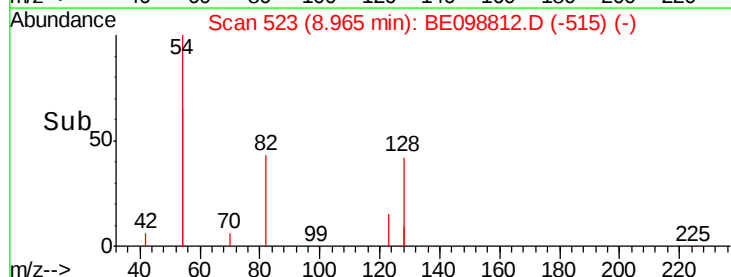
54 300.0 203.4 305.2

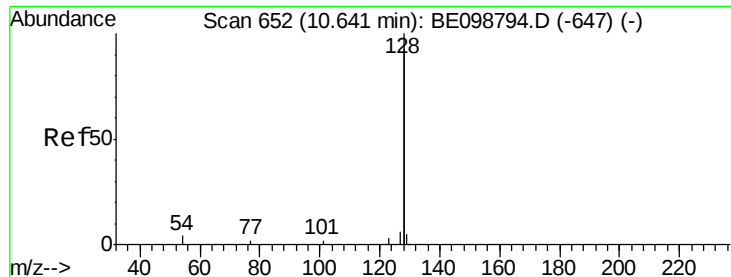


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

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ClientSampleId :

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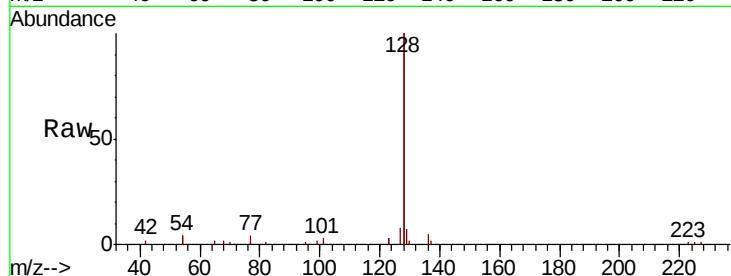
Tot Ion:128 Resp: 17364

Ion Ratio Lower Upper

128 100

129 3.3 2.6 4.0

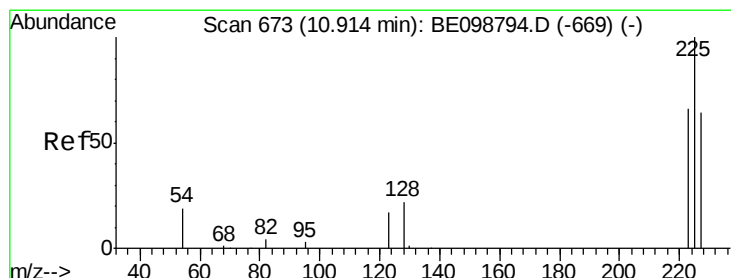
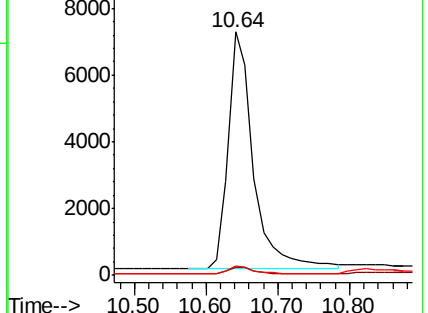
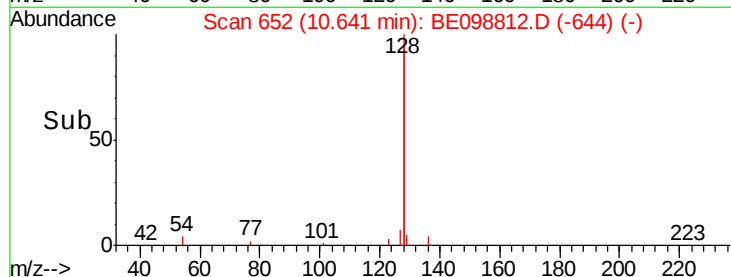
127 4.1 3.1 4.7



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: 0.397 ng

RT: 10.93 min Scan# 674

Delta R.T. 0.01 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

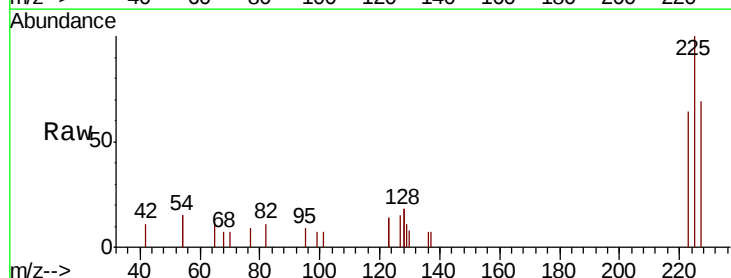
Tgt Ion:225 Resp: 1133

Ion Ratio Lower Upper

225 100

223 61.9 51.1 76.7

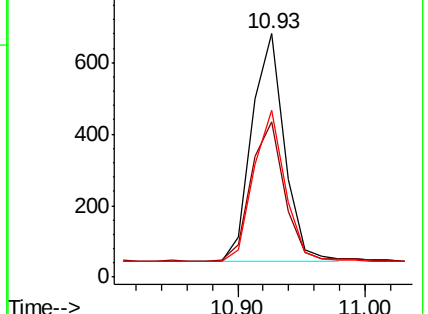
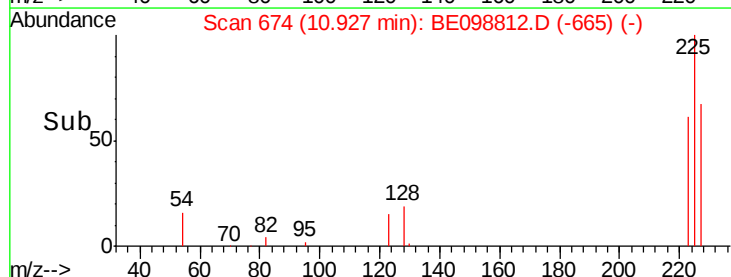
227 64.2 51.6 77.4

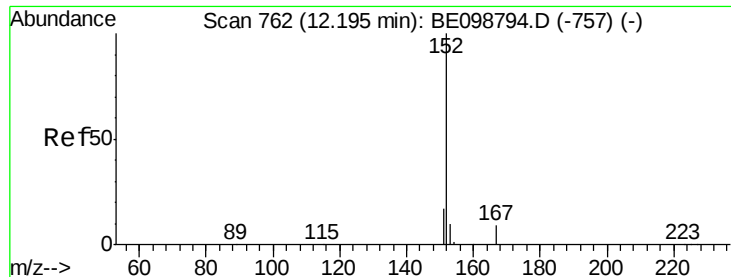


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

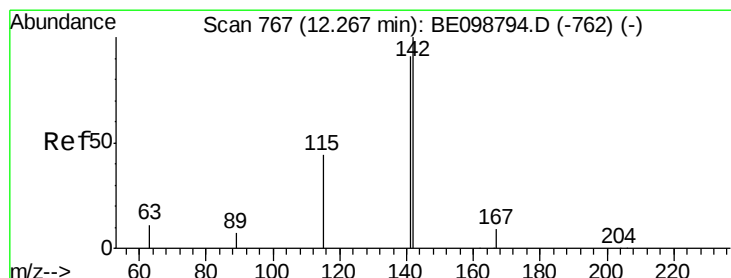
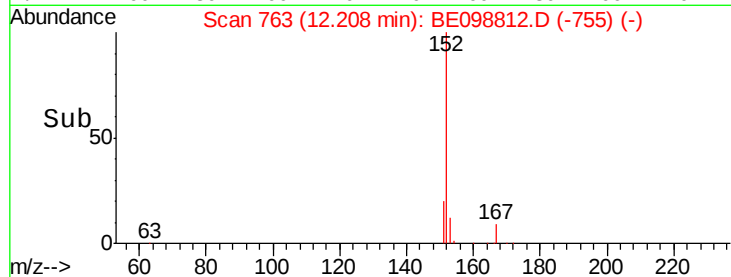
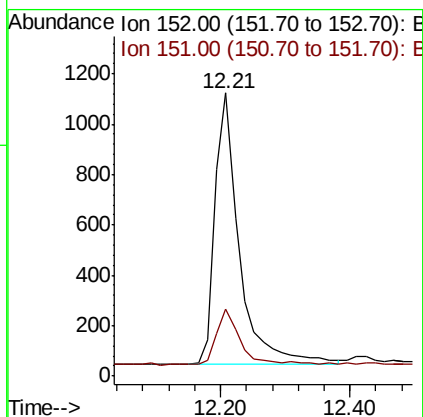
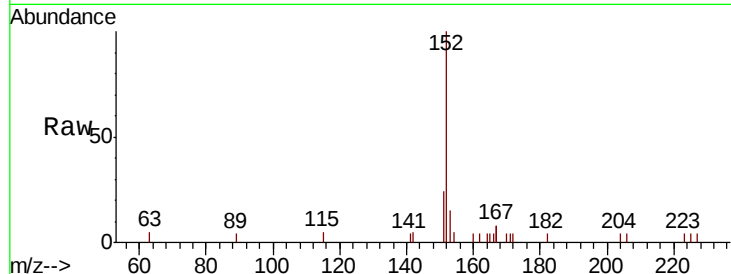




#11
 2-Methylnaphthalene-d10
 Concen: 0.403 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE098812.D
 Acq: 7 Mar 2019 10:09

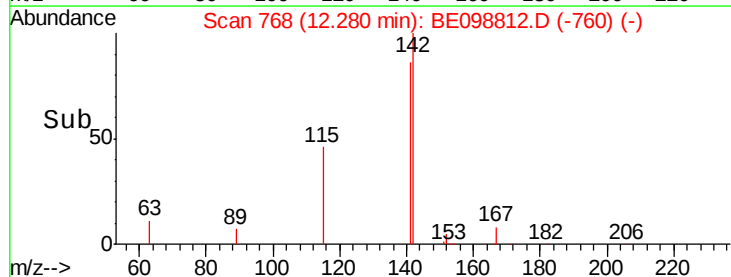
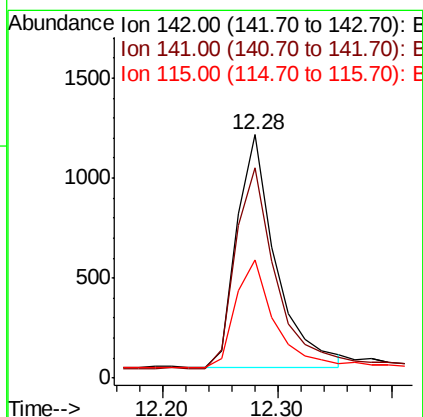
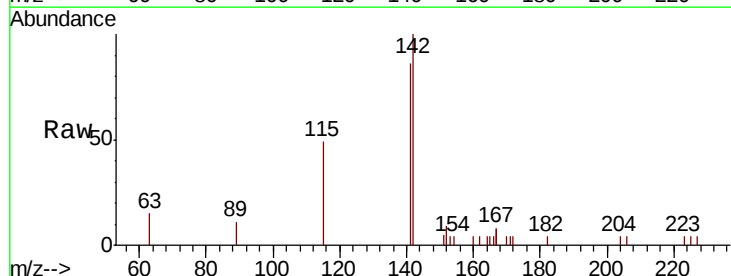
Instrument :
 BNA_E
 ClientSampleId :
 PB117507BS

Tot Ion:152 Resp: 2804
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.5 24.7



#12
 2-Methylnaphthalene
 Concen: 0.391 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE098812.D
 Acq: 7 Mar 2019 10:09

Tgt Ion:142 Resp: 2732
 Ion Ratio Lower Upper
 142 100
 141 86.4 72.6 108.8
 115 48.7 37.4 56.2

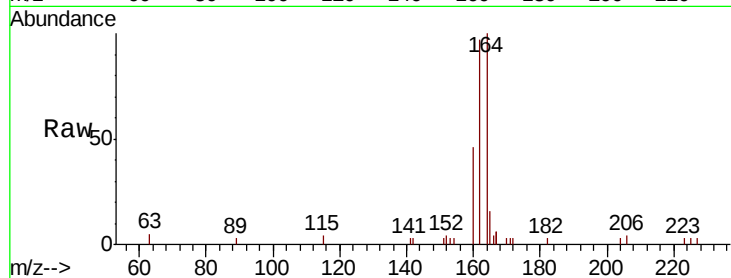




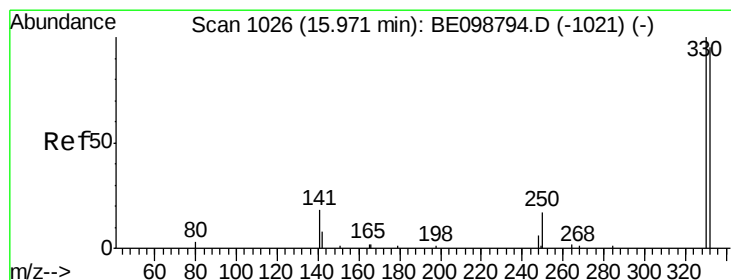
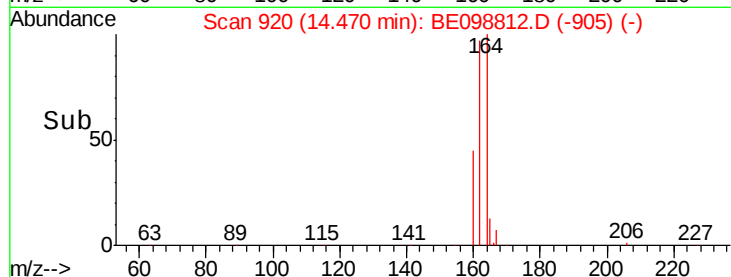
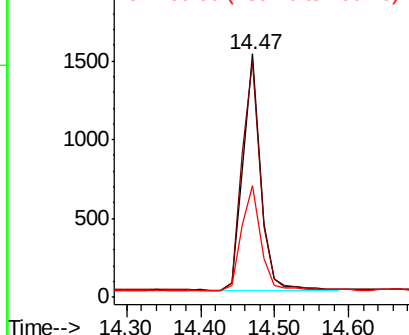
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.01 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Instrument :
BNA_E
ClientSampleId :
PB117507BS

Tot Ion:164 Resp: 2493
Ion Ratio Lower Upper
164 100
162 97.0 80.2 120.2
160 46.2 37.8 56.8

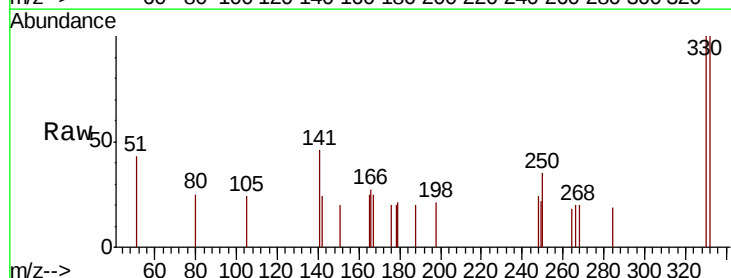


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

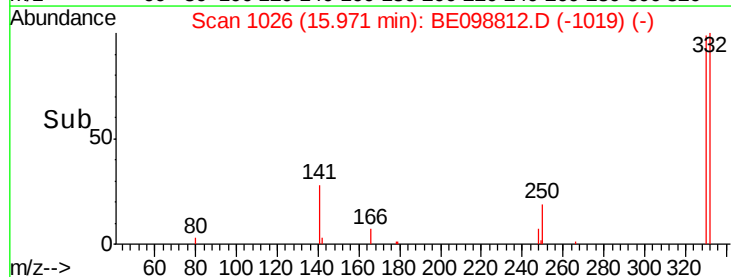
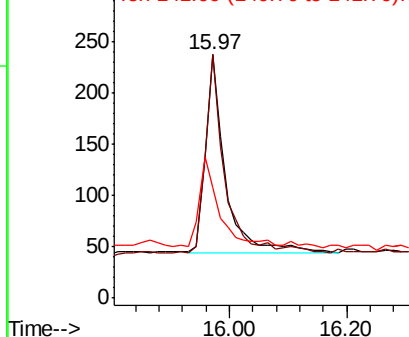


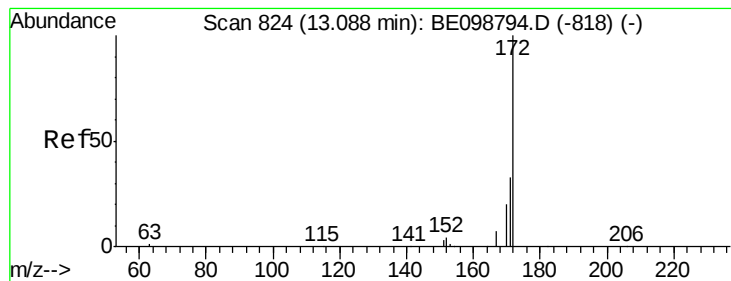
#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Tgt Ion:330 Resp: 457
Ion Ratio Lower Upper
330 100
332 92.8 77.6 116.4
141 44.2 31.0 46.4



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

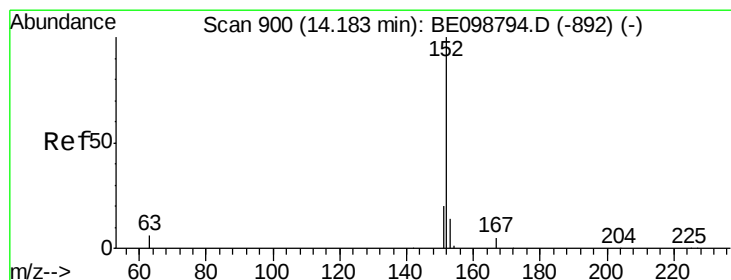
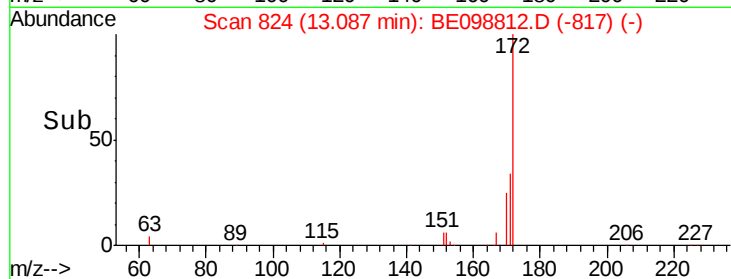
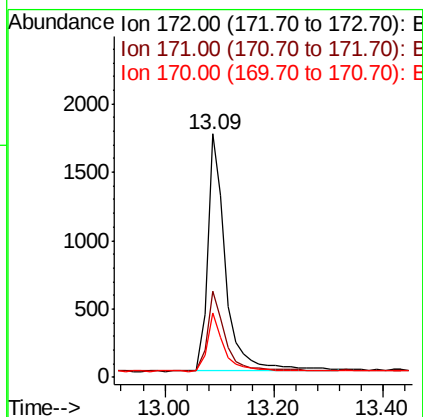
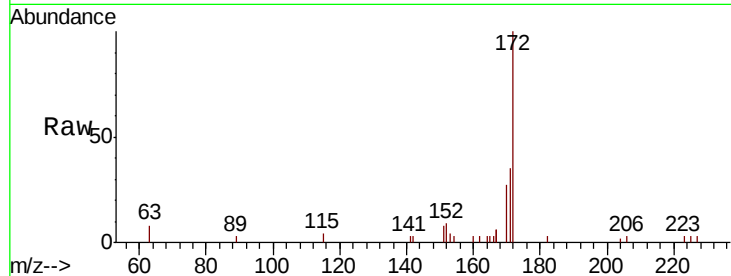




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

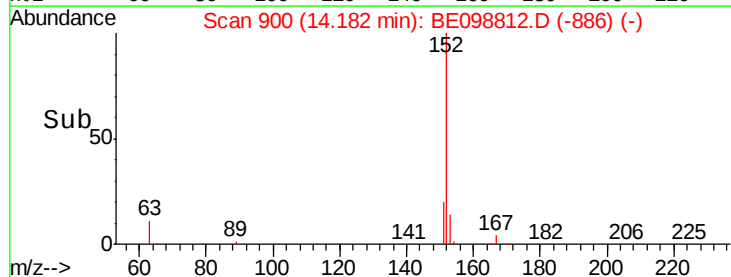
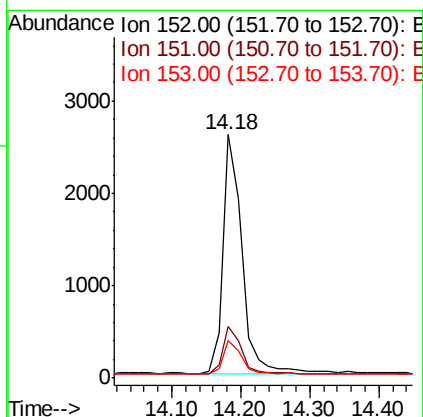
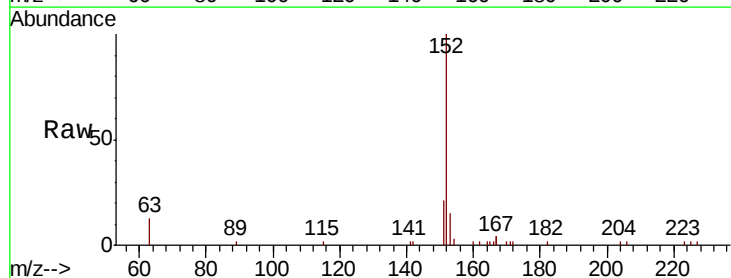
Instrument :
BNA_E
ClientSampleId :
PB117507BS

Tot Ion:172 Resp: 4013
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 26.6 17.7 26.5#



#16
Acenaphthylene
Concen: 0.386 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Tgt Ion:152 Resp: 4952
Ion Ratio Lower Upper
152 100
151 20.3 17.0 25.6
153 13.8 11.2 16.8

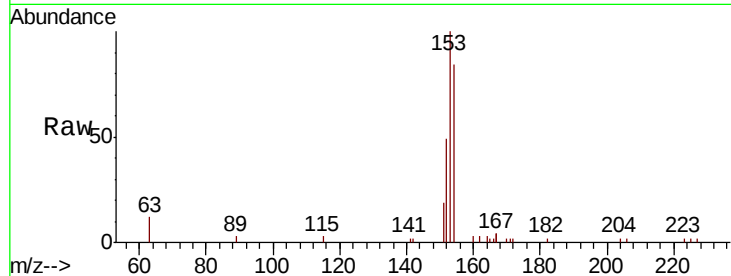




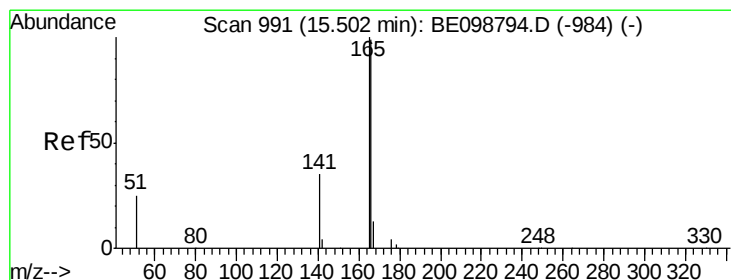
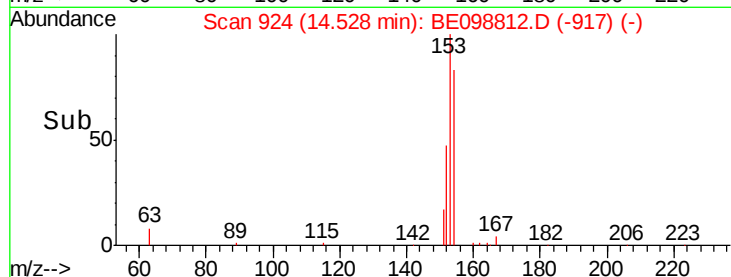
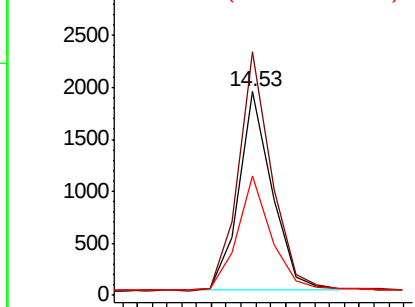
#17
Acenaphthene
Concen: 0.397 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Instrument :
BNA_E
ClientSampleId :
PB117507BS

Tot Ion:154 Resp: 3020
Ion Ratio Lower Upper
154 100
153 119.2 94.2 141.4
152 57.5 45.0 67.4

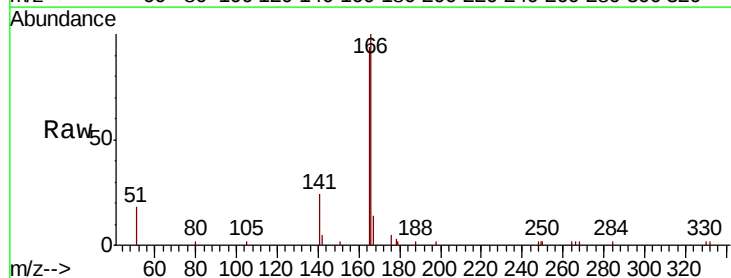


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

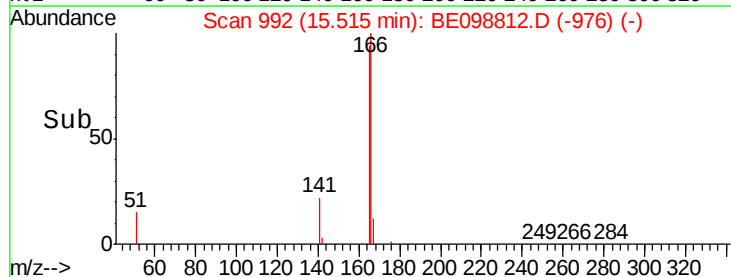
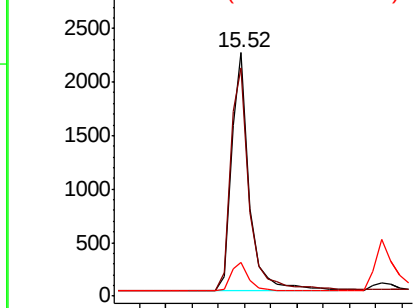


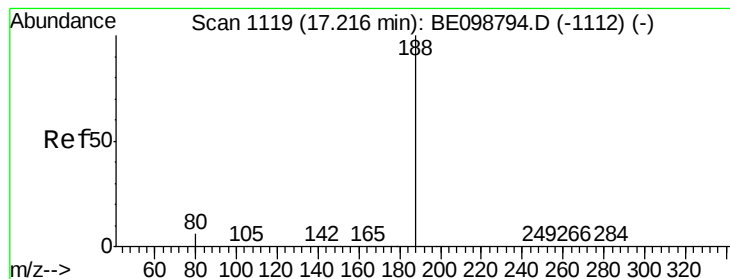
#18
Fluorene
Concen: 0.390 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Tgt Ion:166 Resp: 4283
Ion Ratio Lower Upper
166 100
165 100.2 79.3 118.9
167 12.8 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: 17.22 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

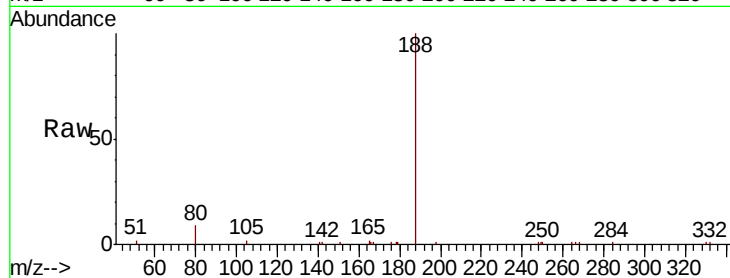
Tot Ion:188 Resp: 6557

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

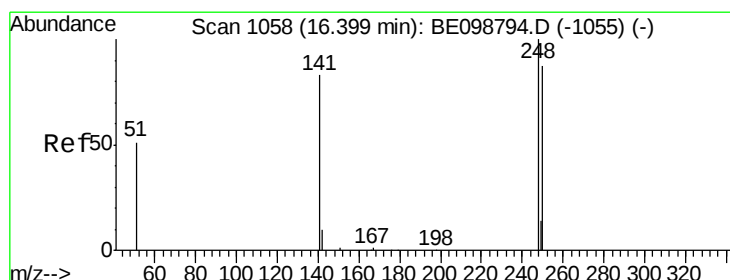
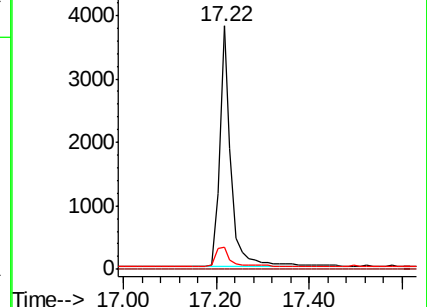
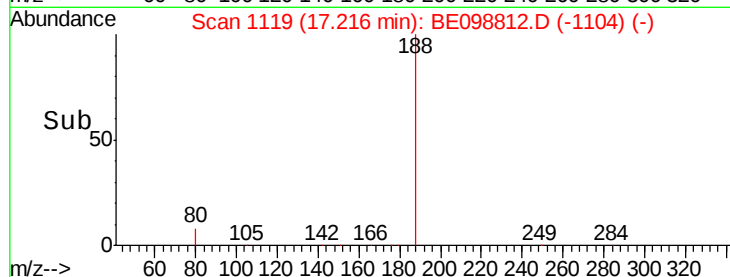
80 9.3 6.3 9.5



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: 0.370 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

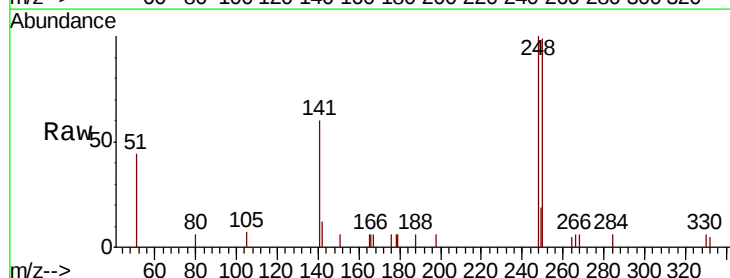
Tgt Ion:248 Resp: 1316

Ion Ratio Lower Upper

248 100

250 98.5 70.6 105.8

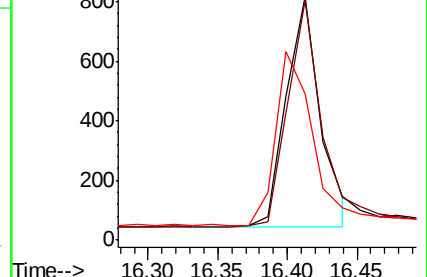
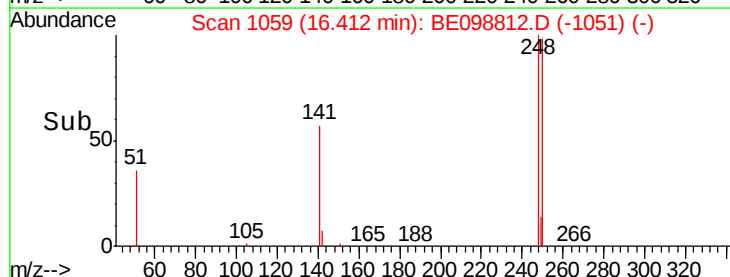
141 60.1 68.6 102.8#



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

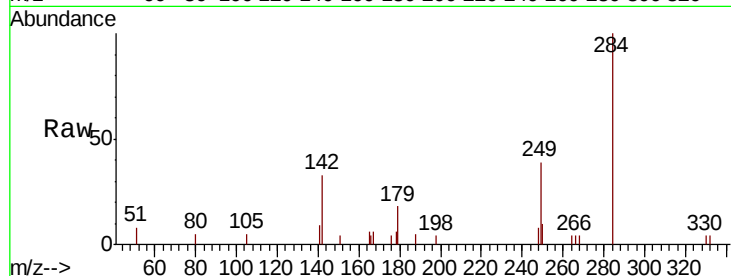




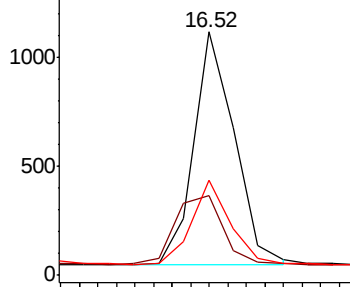
#21
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Instrument :
BNA_E
ClientSampleID :
PB117507BS

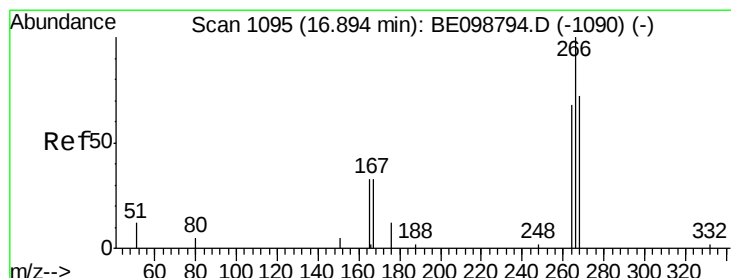
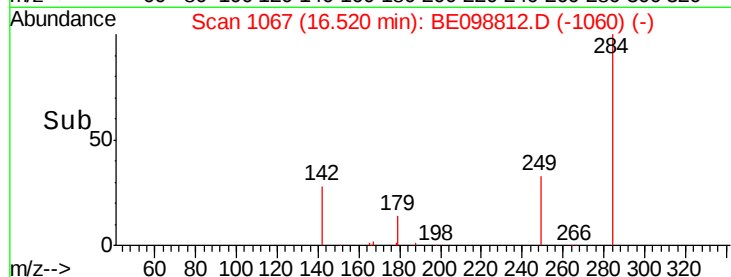
Tot Ion:284 Resp: 1637
Ion Ratio Lower Upper
284 100
142 35.0 28.7 43.1
249 33.7 29.6 44.4



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

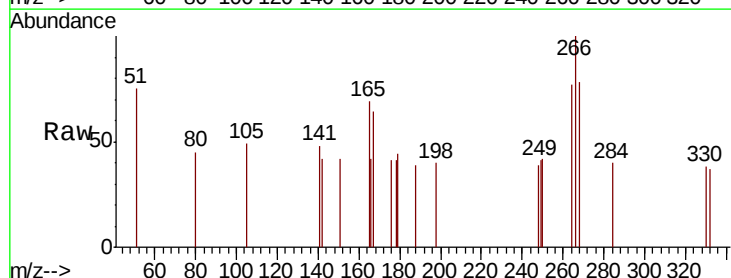


Time--> 16.45 16.50 16.55

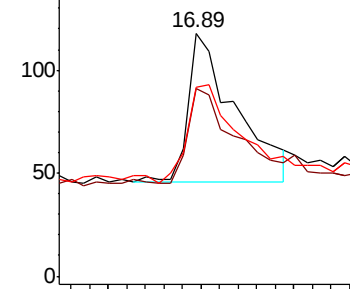


#22
Pentachlorophenol
Concen: 0.440 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

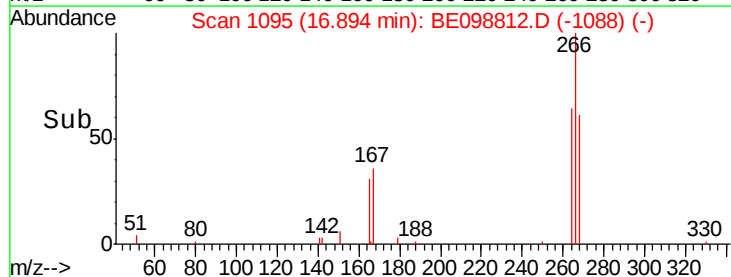
Tgt Ion:266 Resp: 252
Ion Ratio Lower Upper
266 100
264 77.1 66.6 100.0
268 78.0 69.8 104.8



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



Time--> 16.80 16.90 17.00





#23

Phenanthrene

Concen: 0.390 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

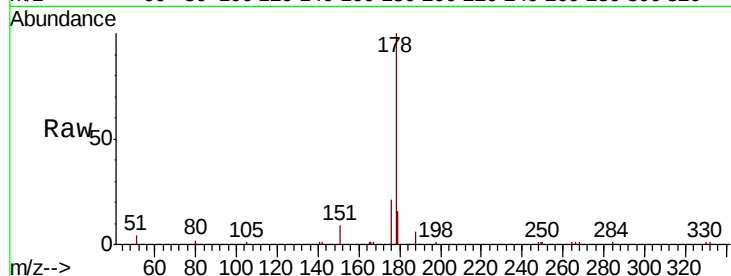
Tot Ion:178 Resp: 7276

Ion Ratio Lower Upper

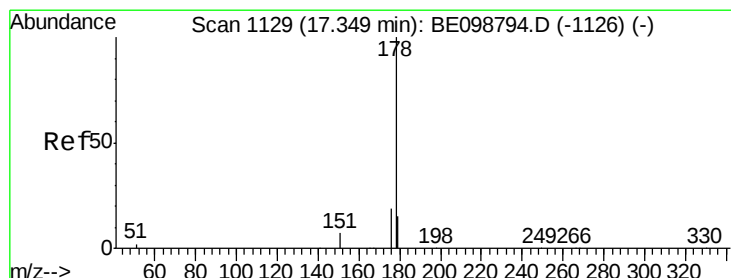
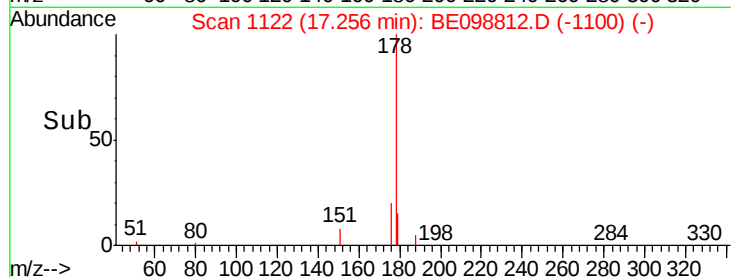
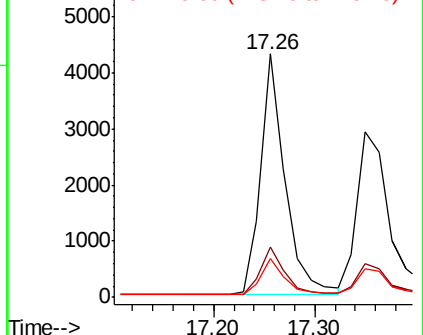
178 100

176 19.7 16.0 24.0

179 14.6 12.1 18.1



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: 0.369 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

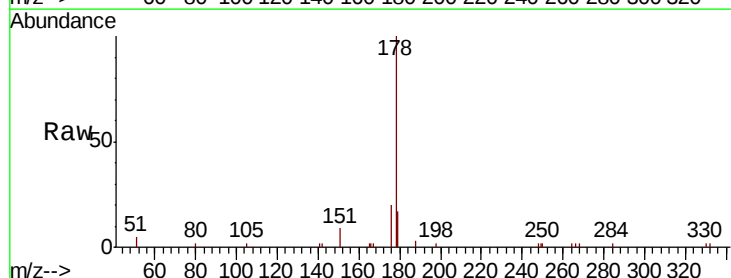
Tgt Ion:178 Resp: 5878

Ion Ratio Lower Upper

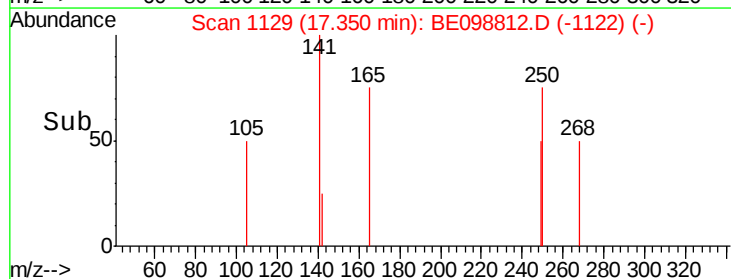
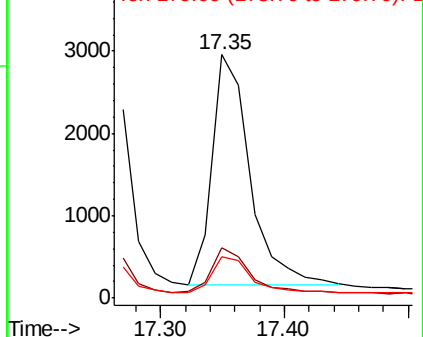
178 100

176 18.9 15.4 23.0

179 15.6 12.2 18.4



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: 0.371 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

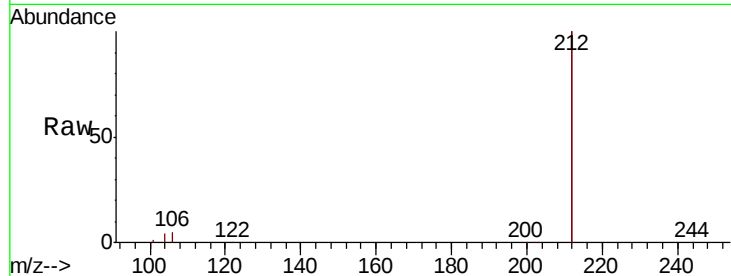
Tot Ion:212 Resp: 38795

Ion Ratio Lower Upper

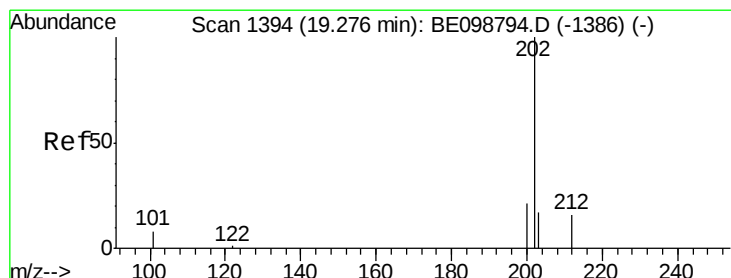
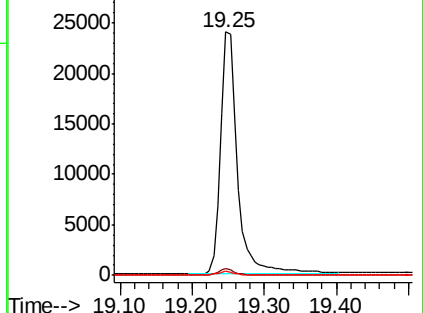
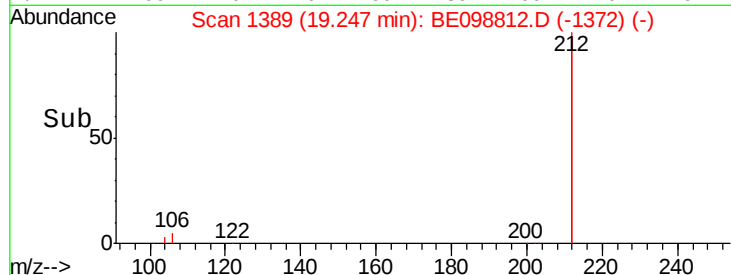
212 100

106 2.3 1.8 2.8

104 1.4 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: 0.374 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

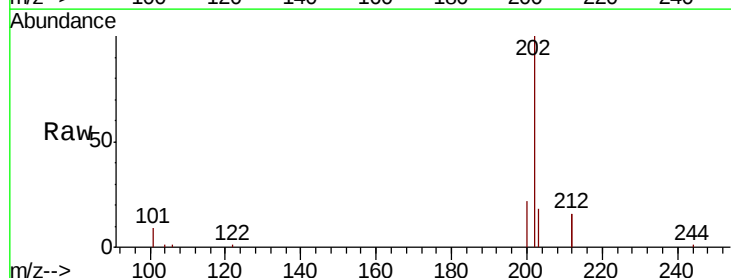
Tgt Ion:202 Resp: 9848

Ion Ratio Lower Upper

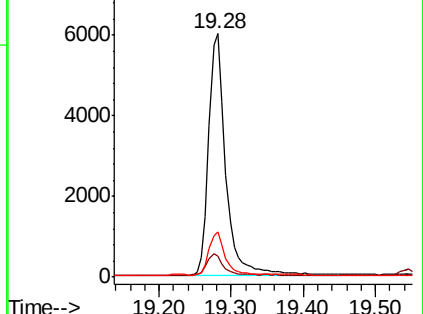
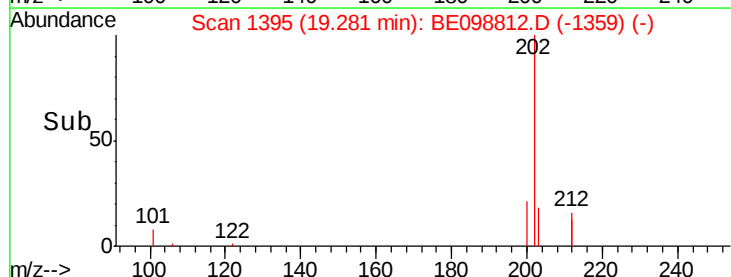
202 100

101 8.8 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

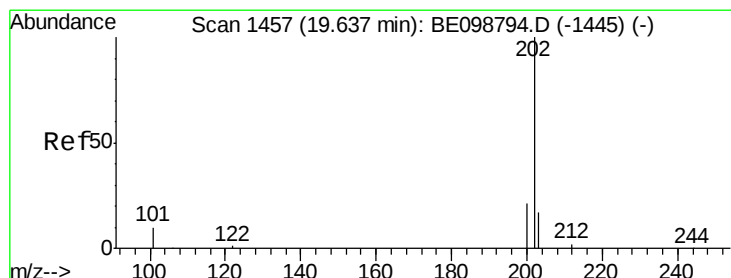
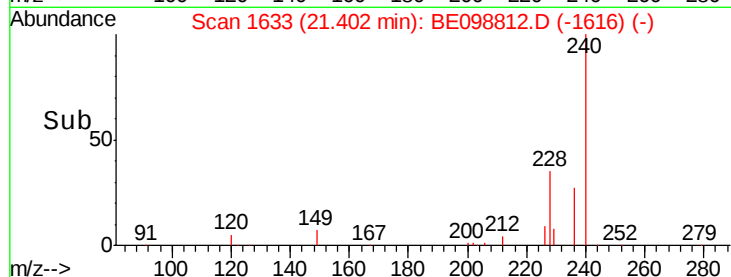
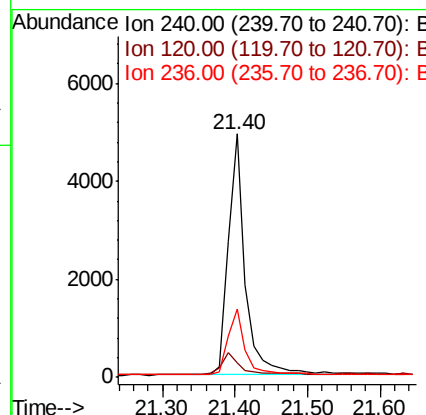
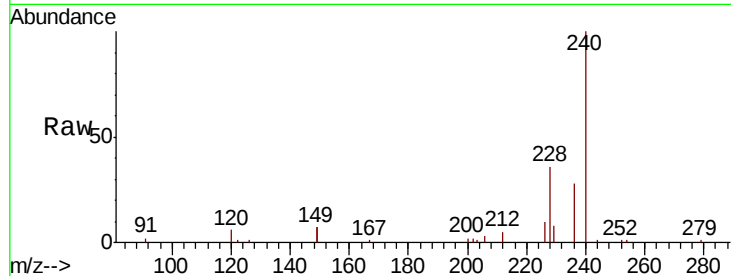




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

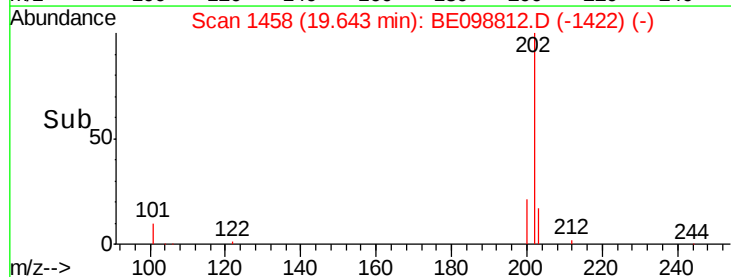
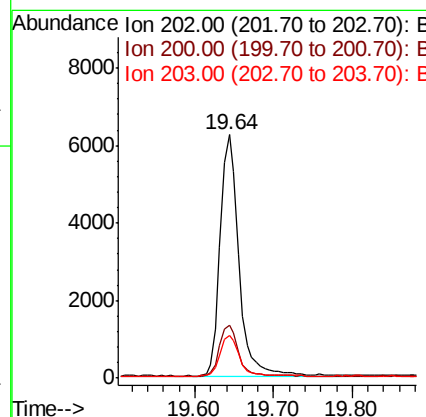
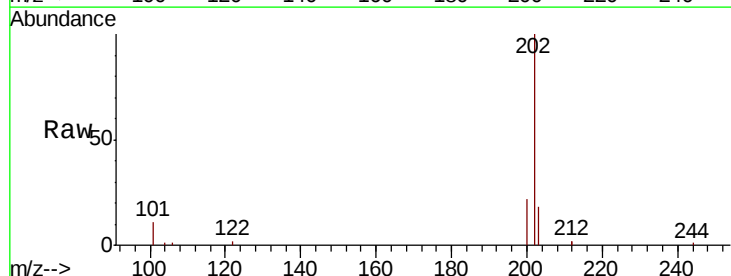
Instrument :
BNA_E
ClientSampleId :
PB117507BS

Tot Ion:240 Resp: 8189
Ion Ratio Lower Upper
240 100
120 5.9 5.0 7.4
236 28.0 22.7 34.1



#28
Pyrene
Concen: 0.410 ng
RT: 19.64 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Tgt Ion:202 Resp: 10262
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 17.0 14.2 21.2

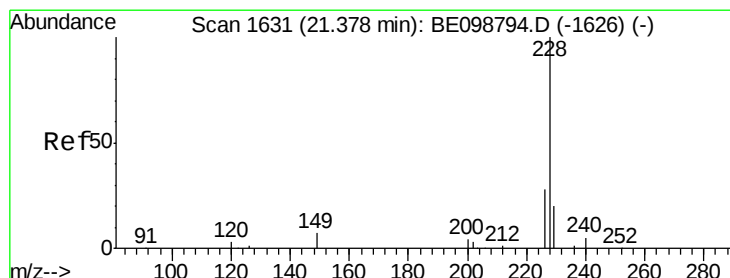
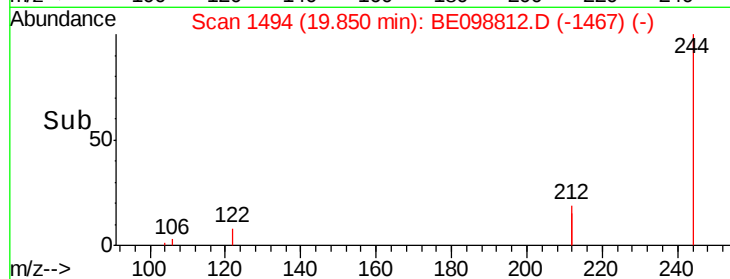
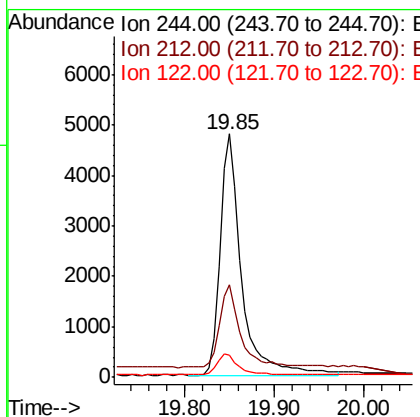
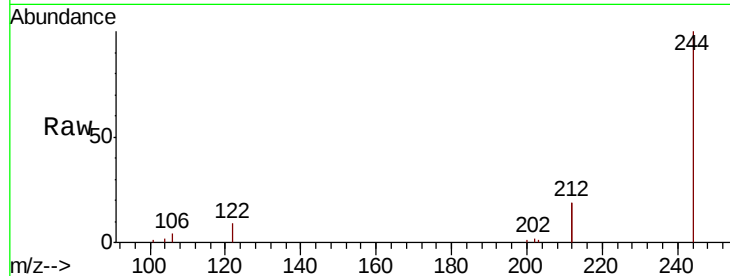




#29
 Terphenyl-d14
 Concen: 0.396 ng
 RT: 19.85 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: BE098812.D
 Acq: 7 Mar 2019 10:09

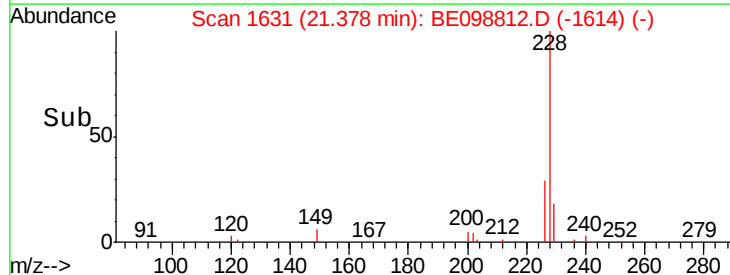
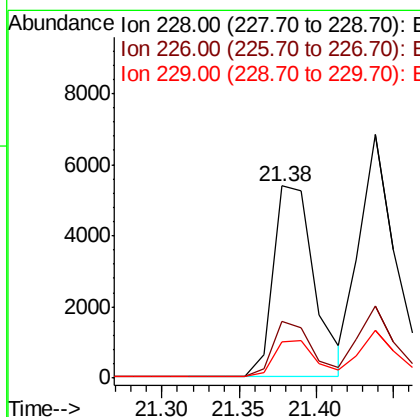
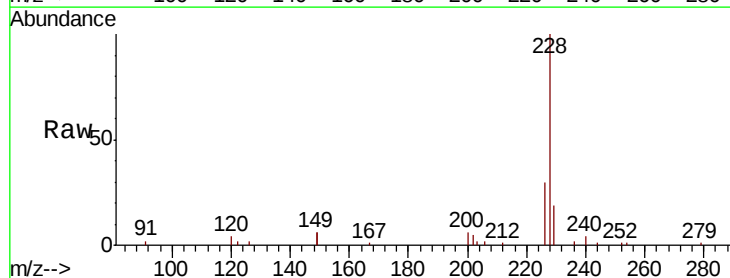
Instrument :
 BNA_E
 ClientSampleId :
 PB117507BS

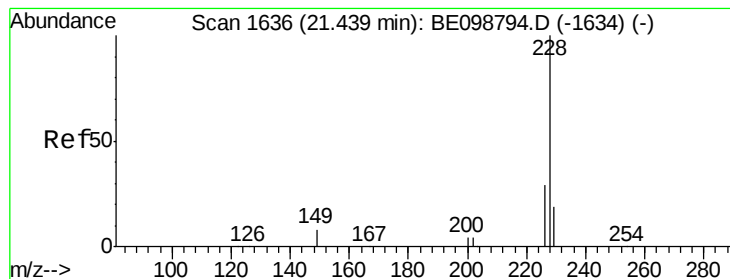
Tot Ion:244 Resp: 7877
 Ion Ratio Lower Upper
 244 100
 212 38.0 29.4 44.2
 122 9.1 7.1 10.7



#30
 Benzo(a)anthracene
 Concen: 0.392 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE098812.D
 Acq: 7 Mar 2019 10:09

Tgt Ion:228 Resp: 10015
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.0 34.4
 229 19.0 16.5 24.7

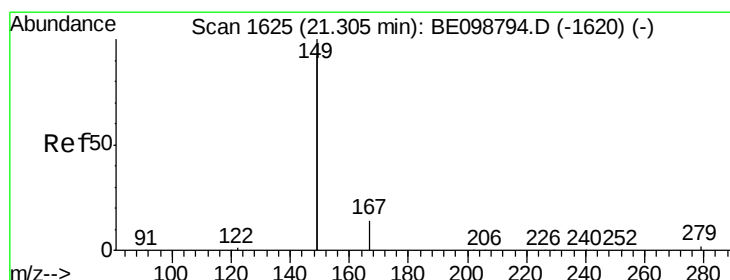
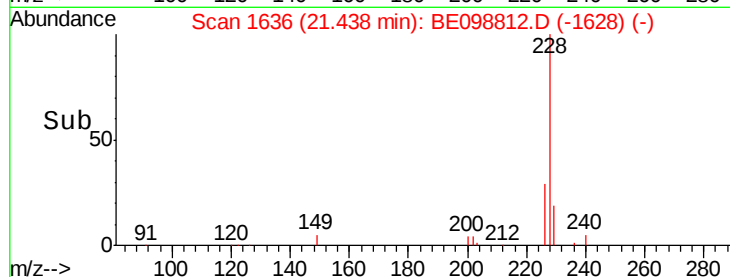
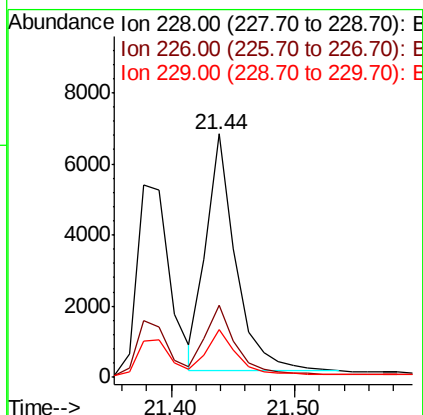
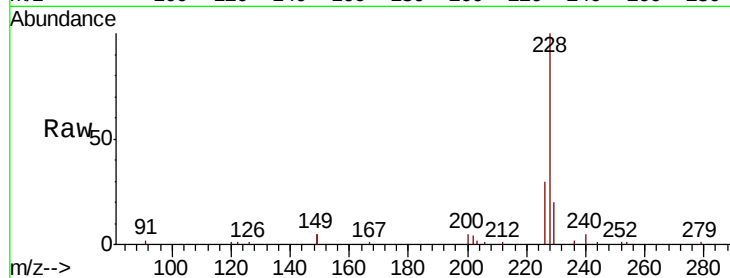




#31
Chrysene
Concen: 0.410 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

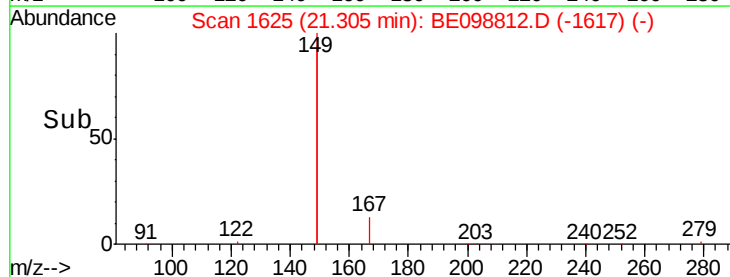
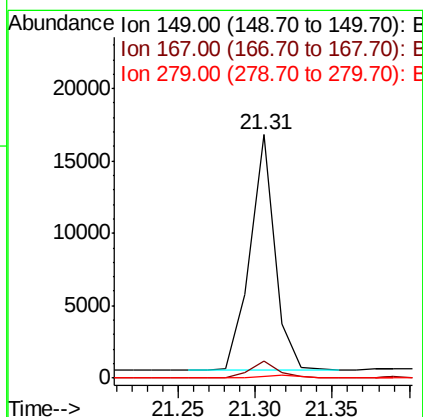
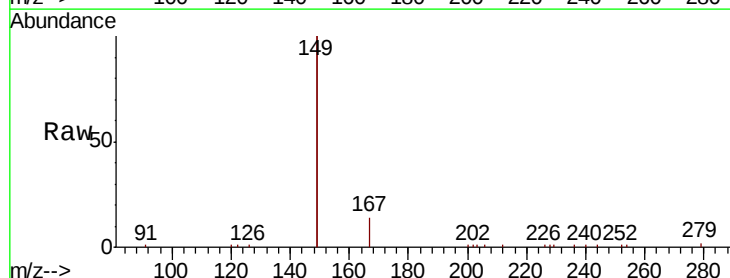
Instrument :
BNA_E
ClientSampleId :
PB117507BS

Tot Ion:228 Resp: 11199
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 19.8 16.1 24.1



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.339 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE098812.D
Acq: 7 Mar 2019 10:09

Tgt Ion:149 Resp: 18411
Ion Ratio Lower Upper
149 100
167 6.9 5.4 8.0
279 1.1 1.0 1.4





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.420 ng

RT: 26.54 min Scan# 2946

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

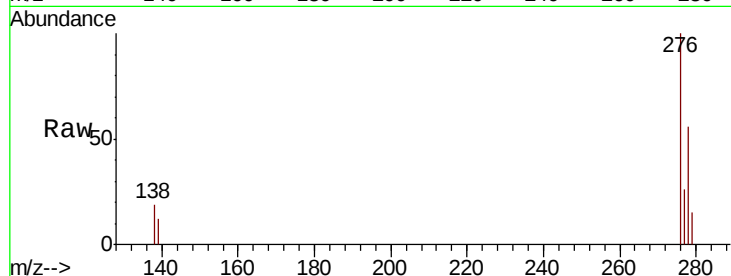
Tot Ion:276 Resp: 12130

Ion Ratio Lower Upper

276 100

138 18.8 13.8 20.8

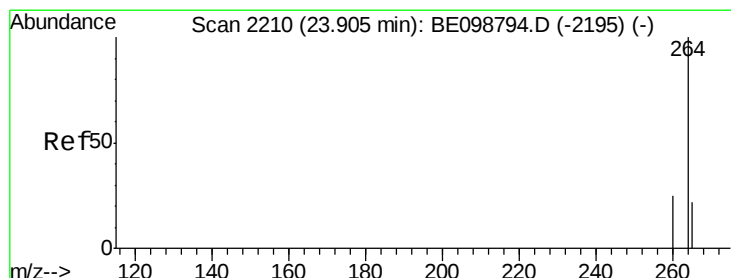
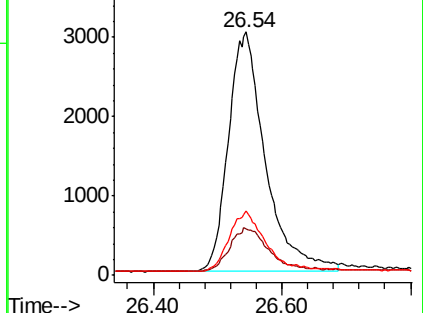
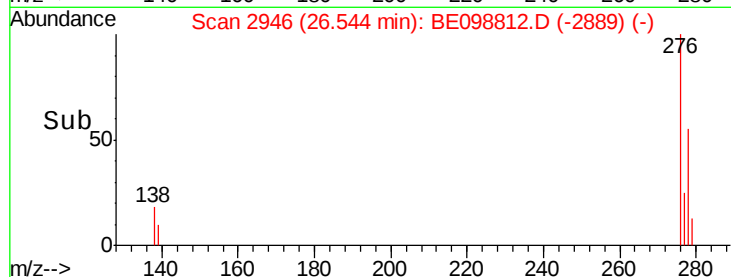
277 25.0 19.5 29.3



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: 23.91 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

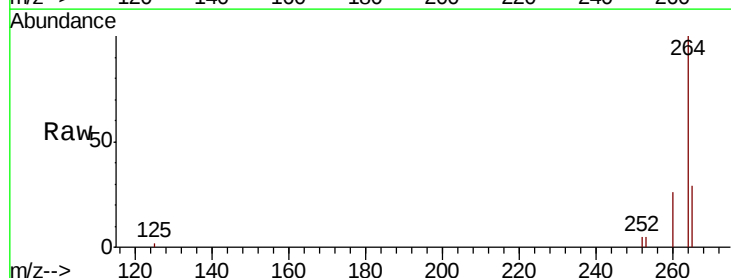
Tgt Ion:264 Resp: 8255

Ion Ratio Lower Upper

264 100

260 26.3 21.2 31.8

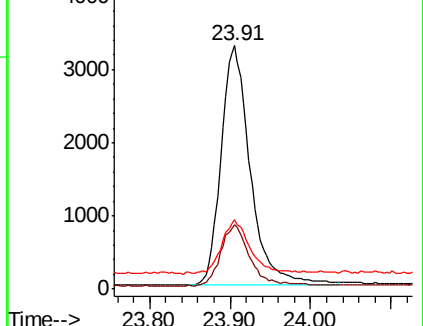
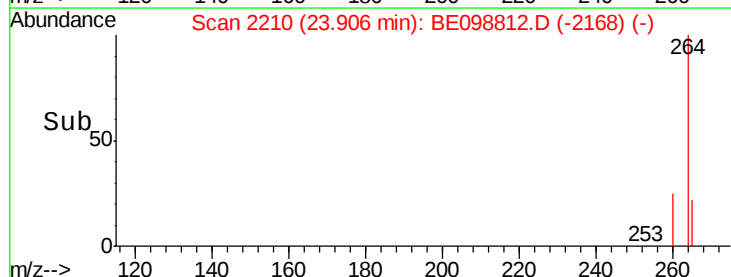
265 28.6 24.6 36.8



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: 0.420 ng

RT: 23.19 min Scan# 2008

Delta R.T. 0.05 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

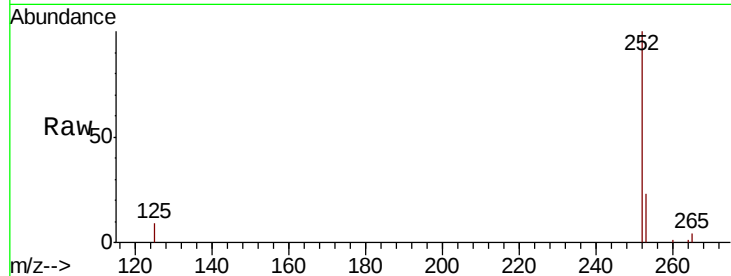
Tot Ion:252 Resp: 11398

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

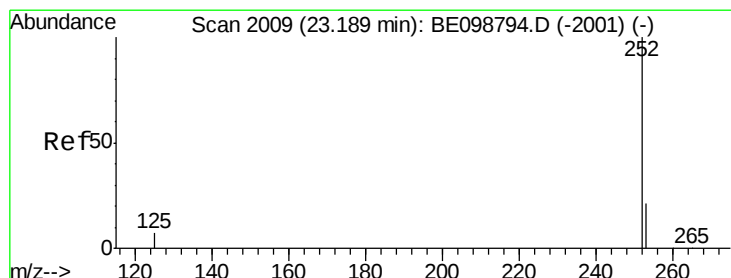
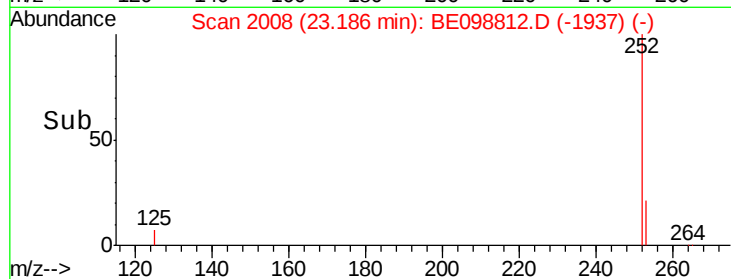
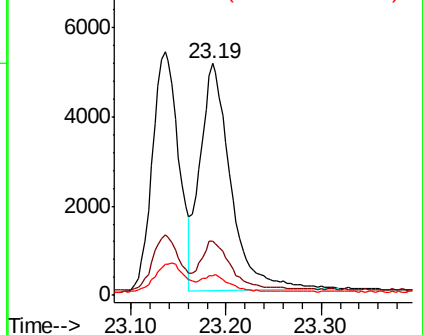
125 8.7 7.3 10.9



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



#36

Benzo(k)fluoranthene

Concen: 0.401 ng

RT: 23.19 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

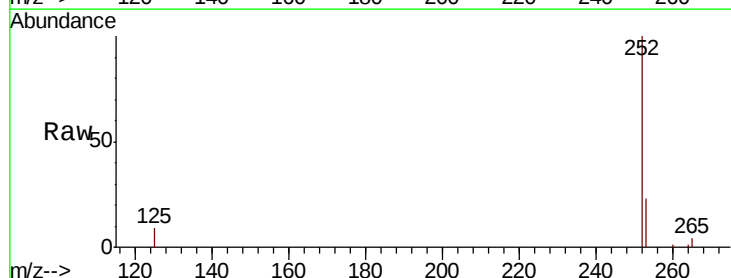
Tgt Ion:252 Resp: 11404

Ion Ratio Lower Upper

252 100

253 23.1 19.3 28.9

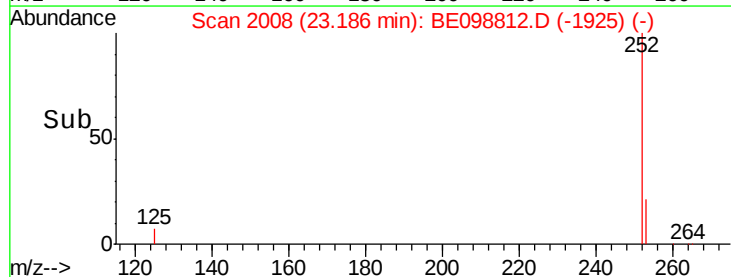
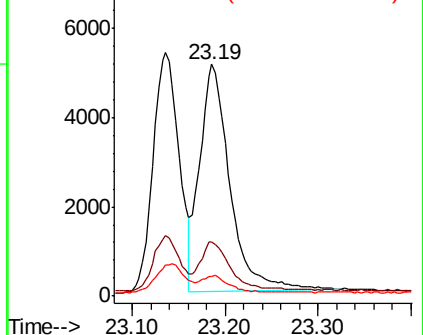
125 8.7 7.5 11.3



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: 0.388 ng

RT: 23.79 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

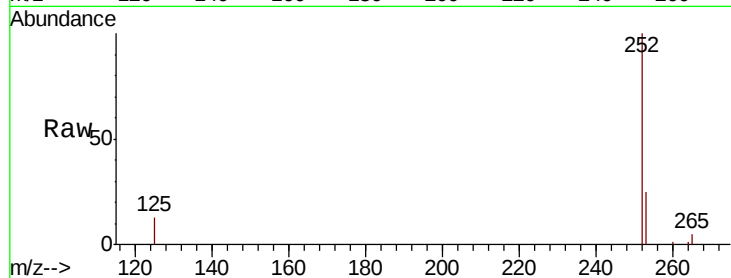
Tot Ion:252 Resp: 10085

Ion Ratio Lower Upper

252 100

253 25.3 19.9 29.9

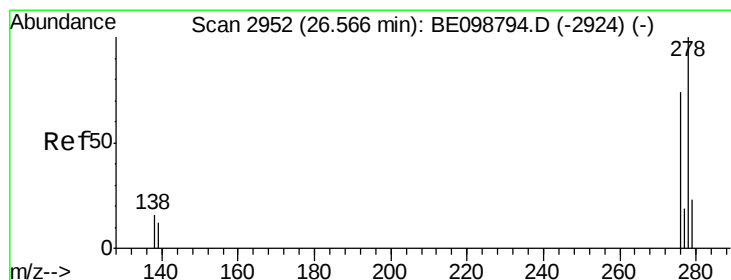
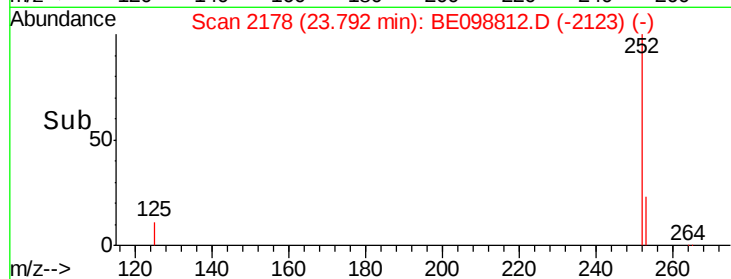
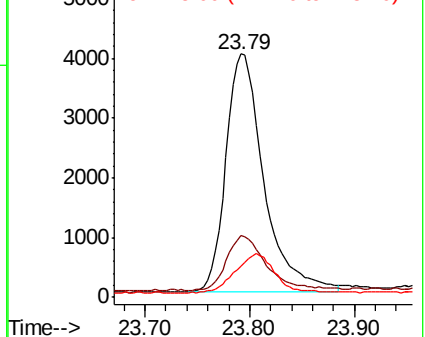
125 12.6 9.0 13.4



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: 0.397 ng

RT: 26.56 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

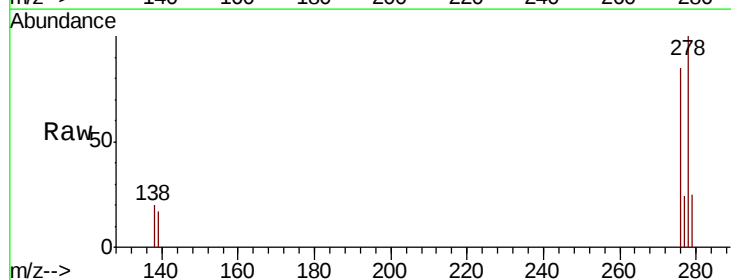
Tgt Ion:278 Resp: 9763

Ion Ratio Lower Upper

278 100

139 17.3 11.8 17.6

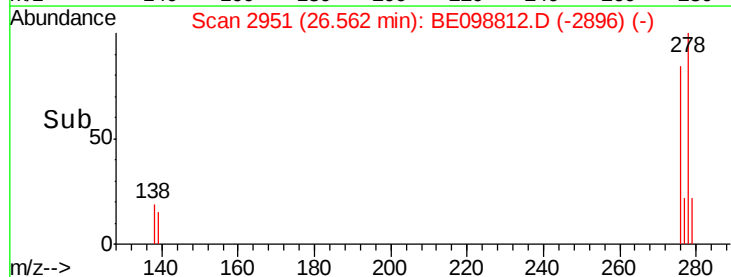
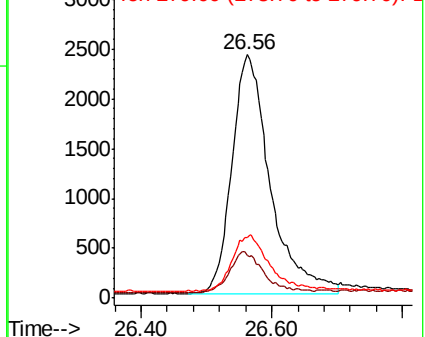
279 25.0 21.1 31.7

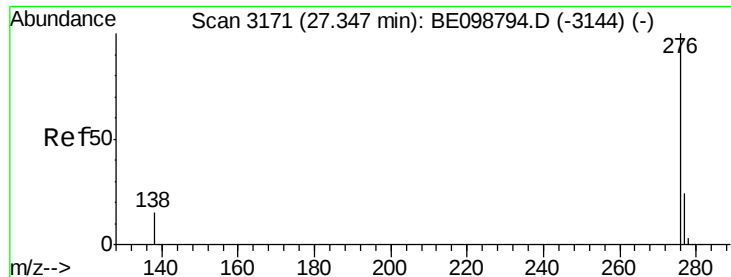


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.387 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE098812.D

Acq: 7 Mar 2019 10:09

Instrument :

BNA_E

ClientSampleId :

PB117507BS

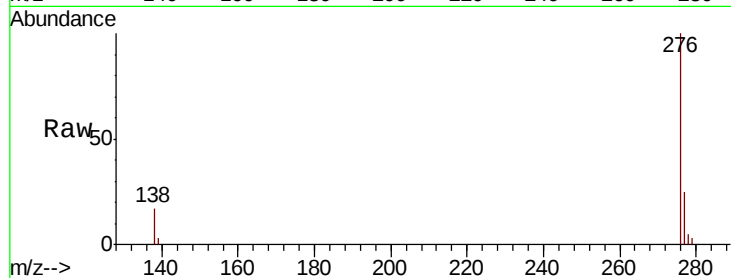
Tot Ion: 276 Resp: 9968

Ion Ratio Lower Upper

276 100

277 24.6 20.4 30.6

138 16.6 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

