

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031219\
 Data File : BE098895.D
 Acq On : 12 Mar 2019 13:20
 Operator : JU/SJ
 Sample : K1841-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE122D2-20190308MSD

Quant Time: Mar 12 13:58:50 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	752	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3116	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2022	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	5119	0.40	ng	-0.01
27) Chrysene-d12	21.39	240	6196	0.40	ng	-0.01
34) Perylene-d12	23.89	264	5845	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	320	0.14	ng	0.02
5) Phenol-d6	7.01	99	268	0.08	ng	0.02
8) Nitrobenzene-d5	8.98	82	1286	0.39	ng	0.01
11) 2-Methylnaphthalene-d10	12.19	152	2544	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	400	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	3731	0.45	ng	-0.01
25) Fluoranthene-d10	19.24	212	31526	0.39	ng	0.00
29) Terphenyl-d14	19.84	244	7642	0.51	ng	0.00

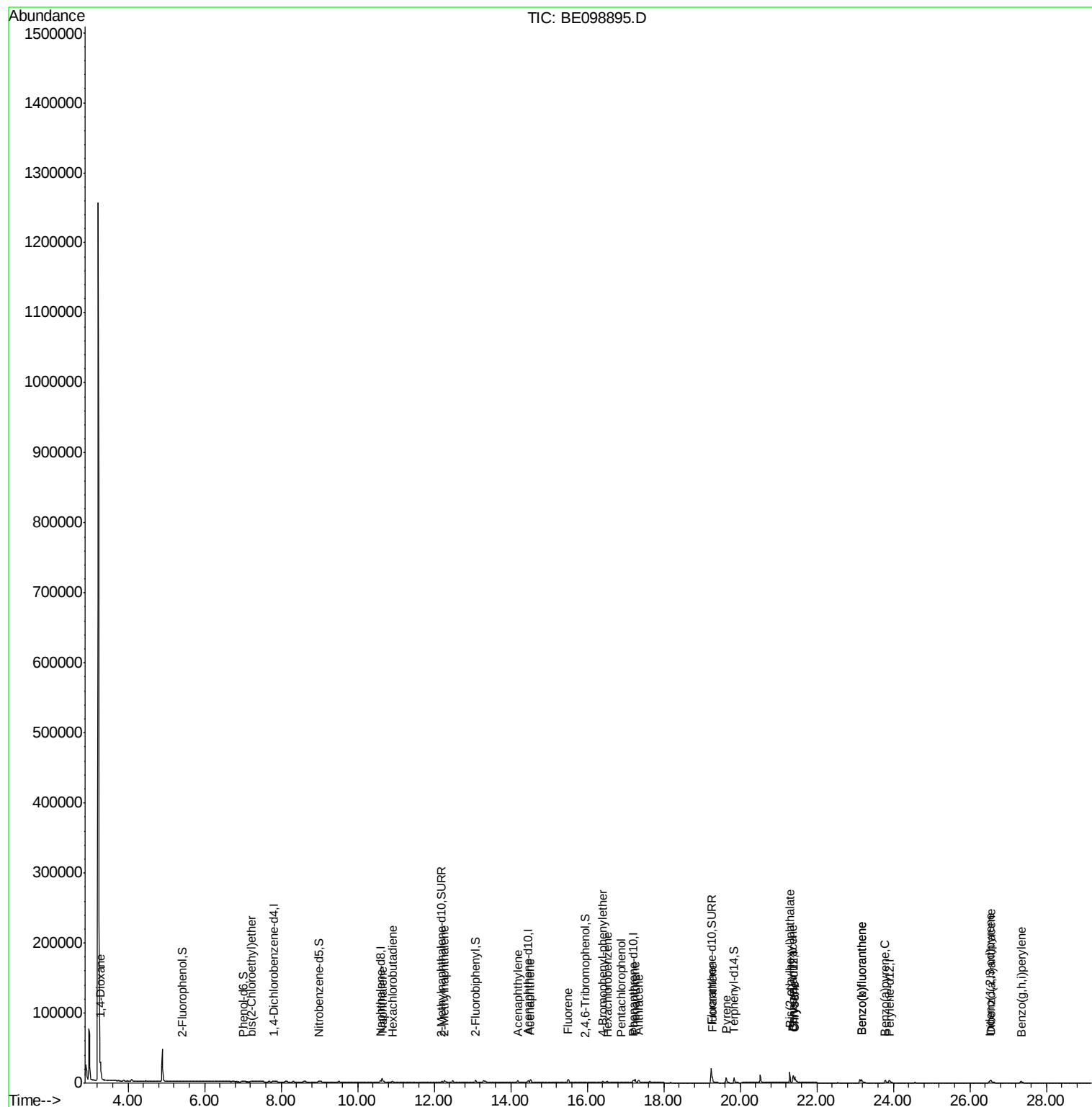
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	8902	7.585	ng	# 94
6) bis(2-Chloroethyl)ether	7.23	93	915	0.373	ng	99
9) Naphthalene	10.64	128	13233	0.371	ng	100
10) Hexachlorobutadiene	10.91	225	782	0.331	ng	100
12) 2-Methylnaphthalene	12.27	142	2133	0.369	ng	98
16) Acenaphthylene	14.18	152	3716	0.357	ng	99
17) Acenaphthene	14.51	154	2277	0.369	ng	97
18) Fluorene	15.50	166	3222	0.362	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	990	0.357	ng	91
21) Hexachlorobenzene	16.52	284	1200	0.364	ng	98
22) Pentachlorophenol	16.88	266	611	0.808	ng	# 81
23) Phenanthrene	17.25	178	5550	0.381	ng	99
24) Anthracene	17.35	178	4491	0.361	ng	99
26) Fluoranthene	19.27	202	7448	0.363	ng	100
28) Pyrene	19.63	202	7671	0.405	ng	99
30) Benzo(a)anthracene	21.38	228	7022	0.363	ng	97
31) Chrysene	21.43	228	7750	0.375	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	14281	0.347	ng	100
33) Indeno(1,2,3-cd)pyrene	26.53	276	7954	0.364	ng	99
35) Benzo(b)fluoranthene	23.18	252	8045	0.419	ng	97
36) Benzo(k)fluoranthene	23.18	252	8216	0.408	ng	99
37) Benzo(a)pyrene	23.79	252	7145	0.388	ng	# 93
38) Dibenzo(a,h)anthracene	26.55	278	6493	0.372	ng	99
39) Benzo(g,h,i)perylene	27.34	276	6744	0.370	ng	97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031219\
Data File : BE098895.D
Acq On : 12 Mar 2019 13:20
Operator : JU/SJ
Sample : K1841-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

Quant Time: Mar 12 13:58:50 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



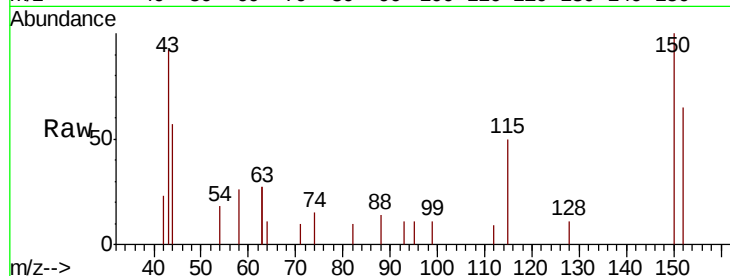


#1

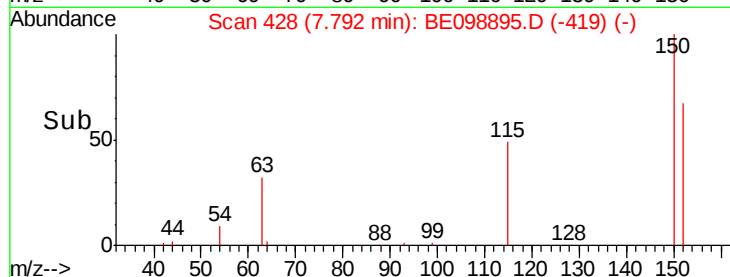
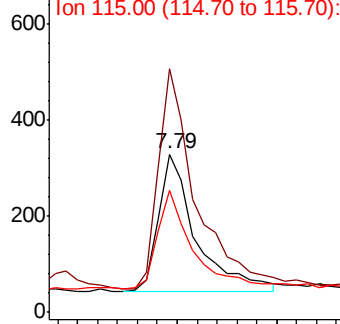
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

Tot Ion:152 Resp: 752
Ion Ratio Lower Upper
152 100
150 153.6 122.5 183.7
115 77.0 57.4 86.2



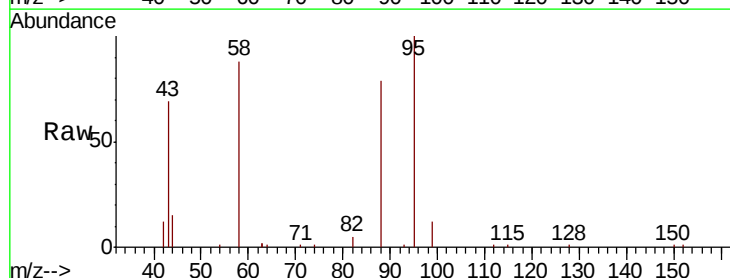
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



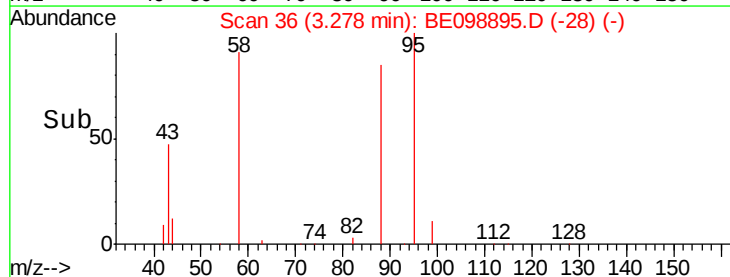
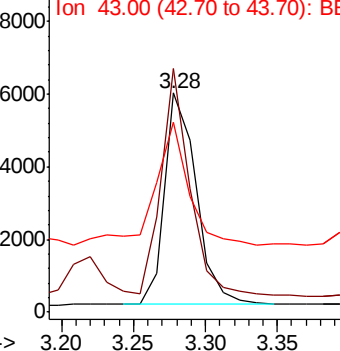
#2

1,4-Dioxane
Concen: 7.585 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Tgt Ion: 88 Resp: 8902
Ion Ratio Lower Upper
88 100
58 95.1 75.8 113.6
43 63.7 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





#4

2-Fluorophenol

Concen: 0.142 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

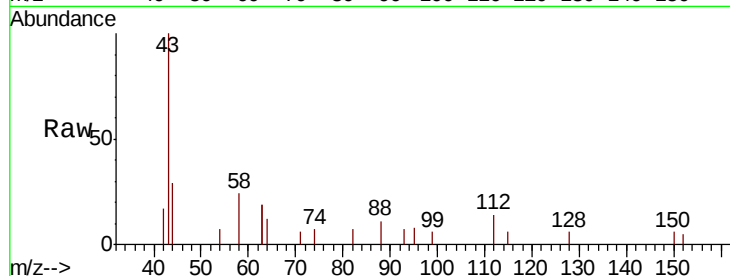
Tot Ion: 112 Resp: 320

Ion Ratio Lower Upper

112 100

64 82.8 57.9 86.9

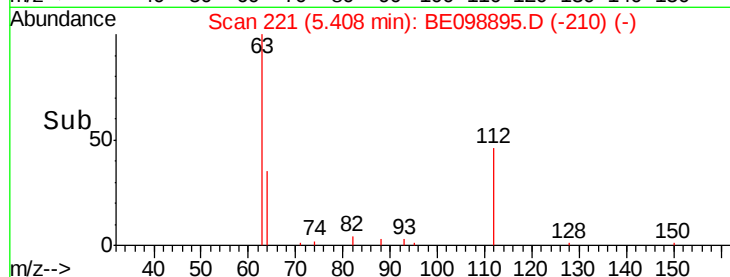
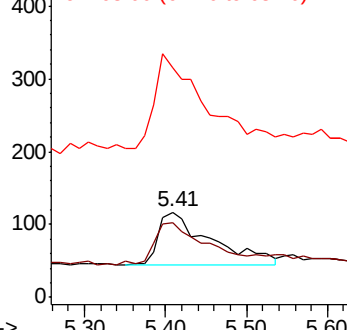
63 188.4 158.3 237.5



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: 0.084 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

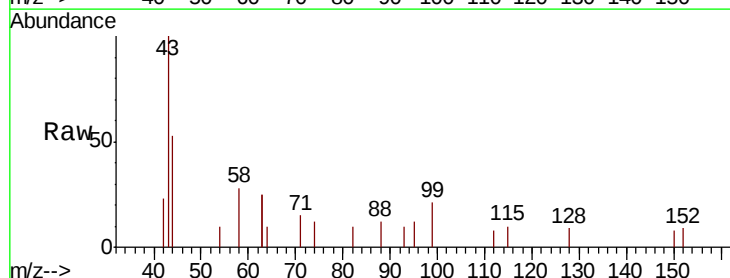
Tgt Ion: 99 Resp: 268

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

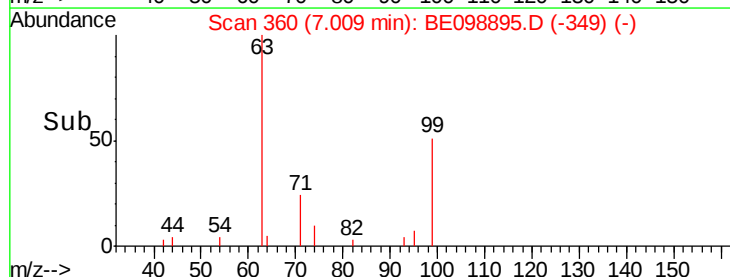
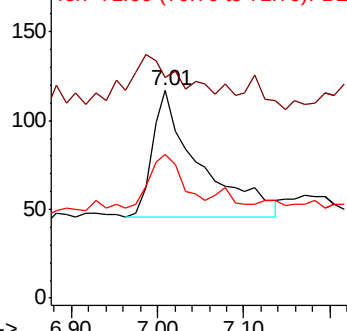
71 32.8 35.7 53.5#

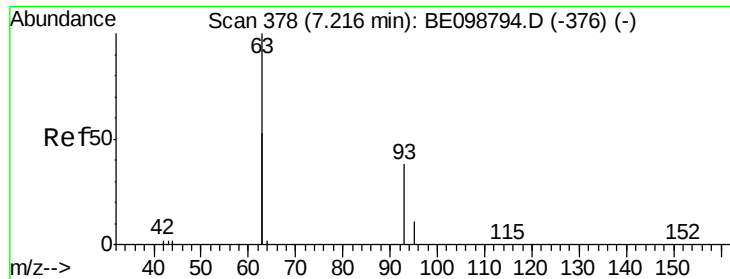


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.373 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

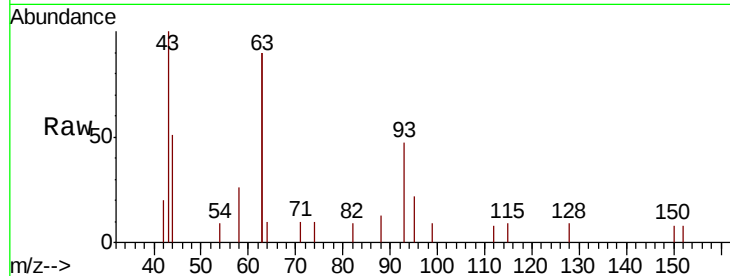
Tot Ion: 93 Resp: 915

Ion Ratio Lower Upper

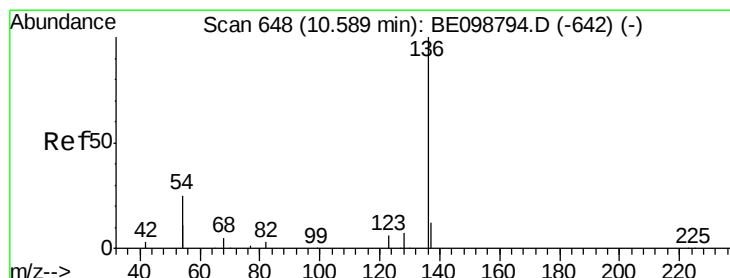
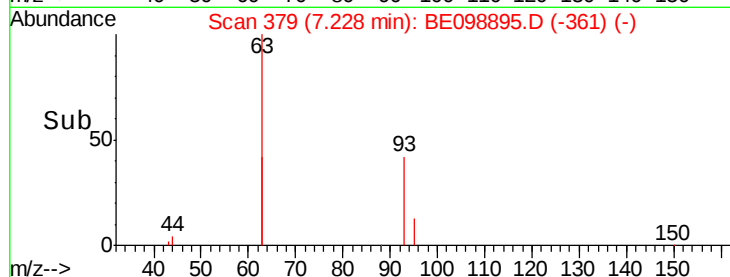
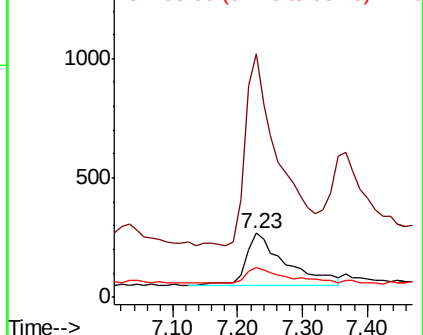
93 100

63 311.0 247.5 371.3

95 30.5 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: BE098895.D

Acq: 12 Mar 2019 13:20

Tgt Ion: 136 Resp: 3116

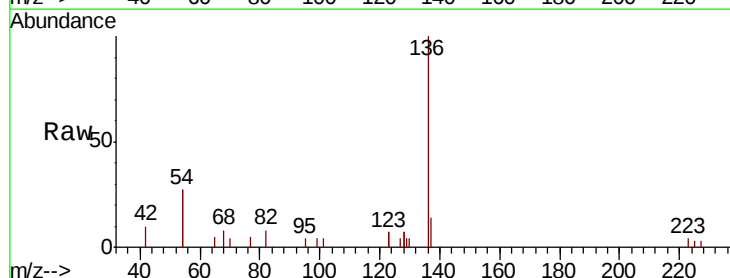
Ion Ratio Lower Upper

136 100

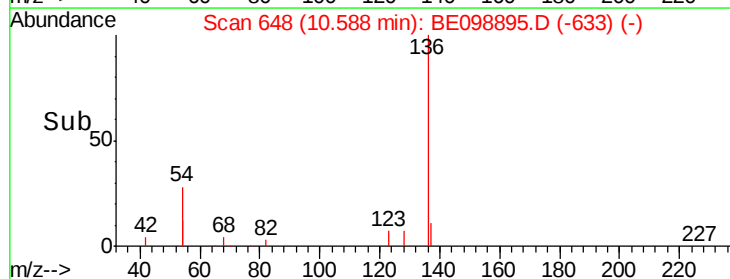
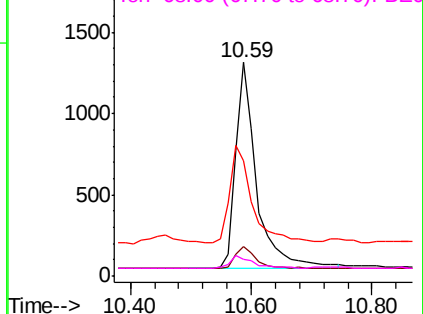
137 14.1 11.4 17.0

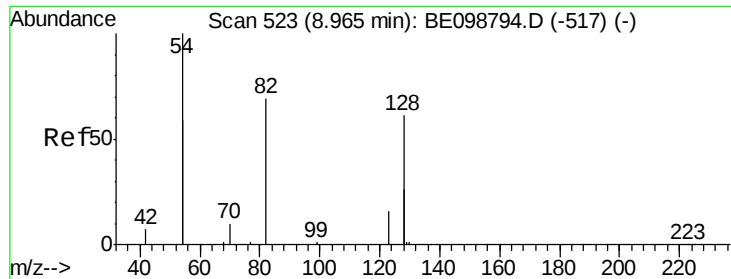
54 53.8 39.3 58.9

68 8.1 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: 0.394 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

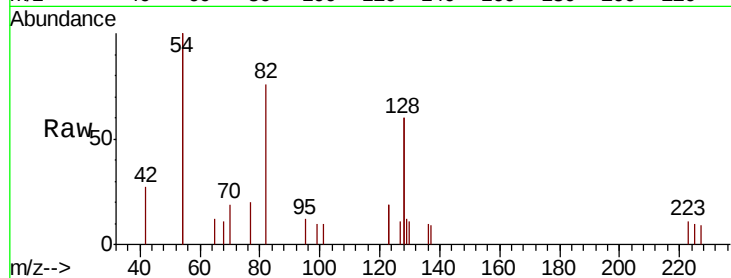
Tot Ion: 82 Resp: 1286

Ion Ratio Lower Upper

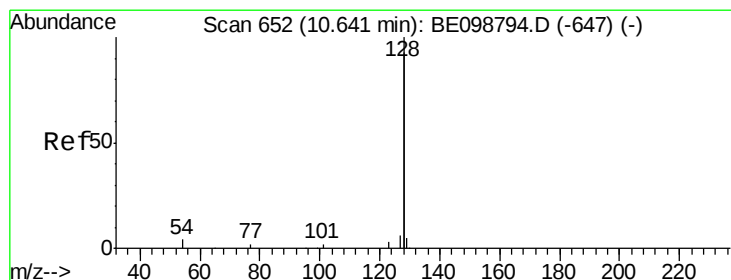
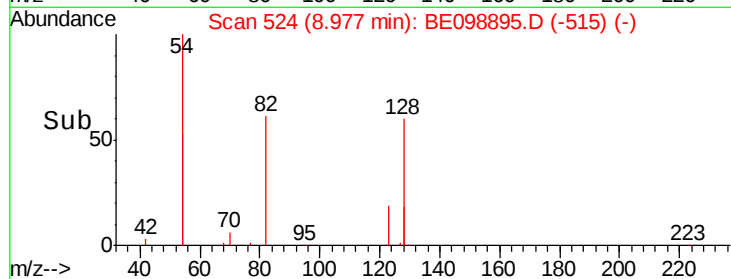
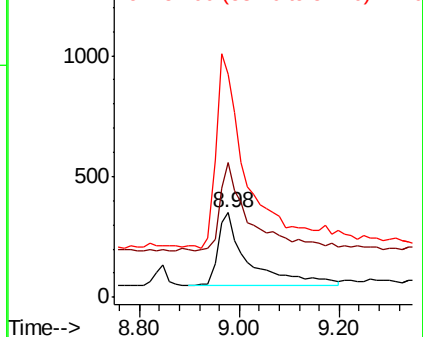
82 100

128 159.3 123.8 185.8

54 264.8 203.4 305.2



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: 0.371 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

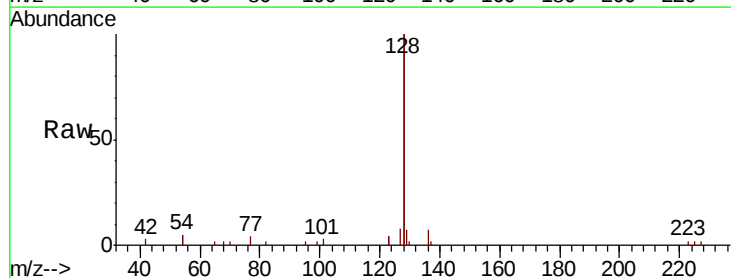
Tgt Ion: 128 Resp: 13233

Ion Ratio Lower Upper

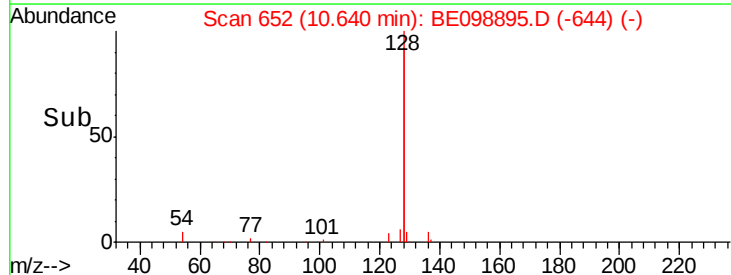
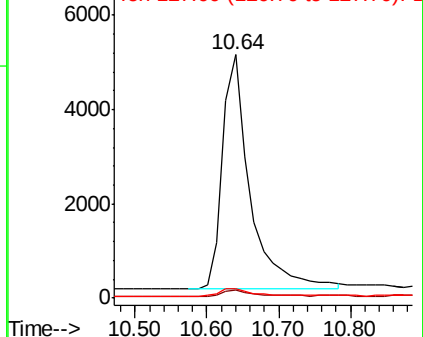
128 100

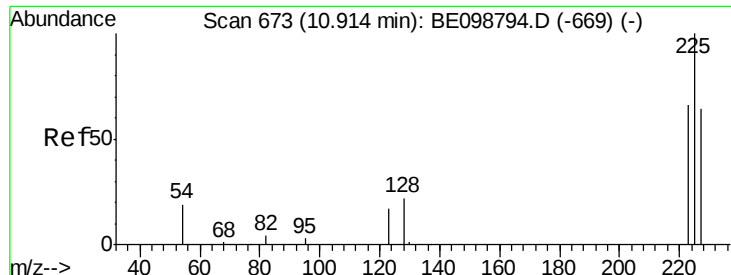
129 3.5 2.6 4.0

127 4.0 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

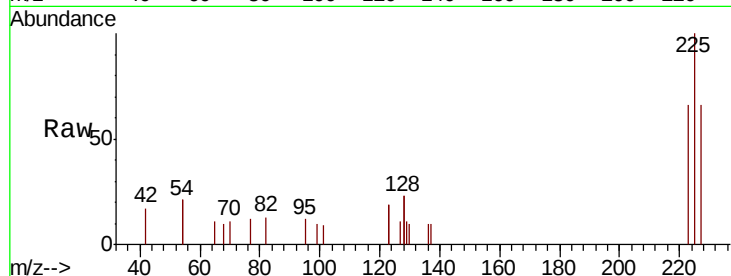




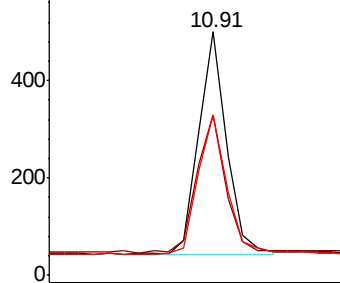
#10
Hexachlorobutadiene
Concen: 0.331 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

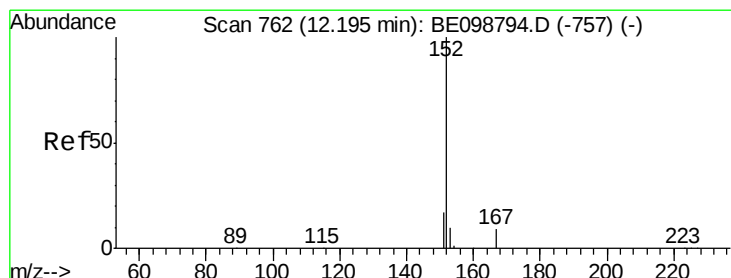
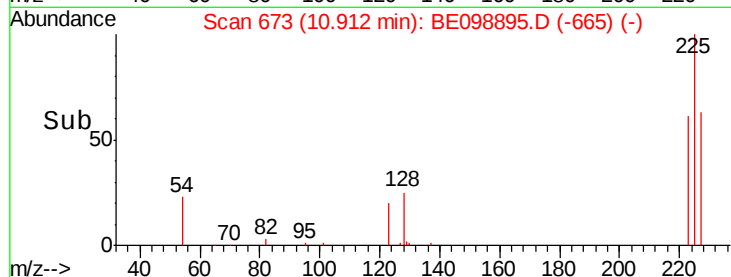
Tot Ion:225 Resp: 782
Ion Ratio Lower Upper
225 100
223 64.2 51.1 76.7
227 64.6 51.6 77.4



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

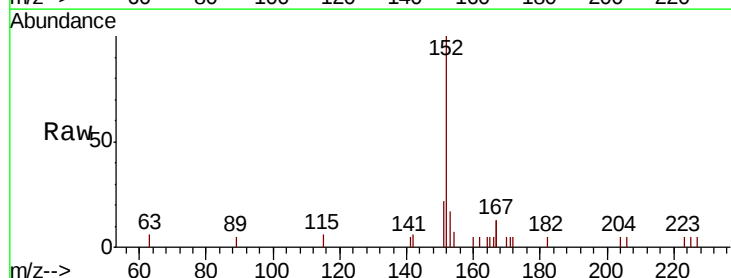


Time-->

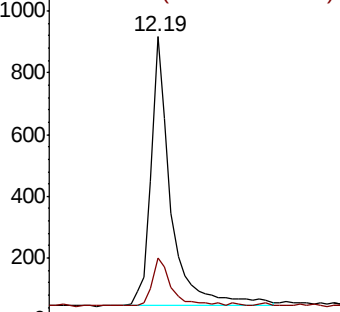


#11
2-Methylnaphthalene-d10
Concen: 0.442 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

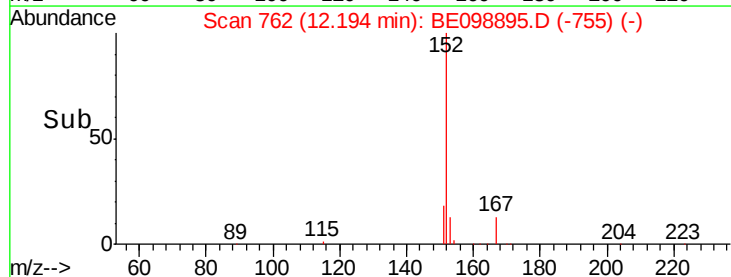
Tgt Ion:152 Resp: 2544
Ion Ratio Lower Upper
152 100
151 17.2 16.5 24.7

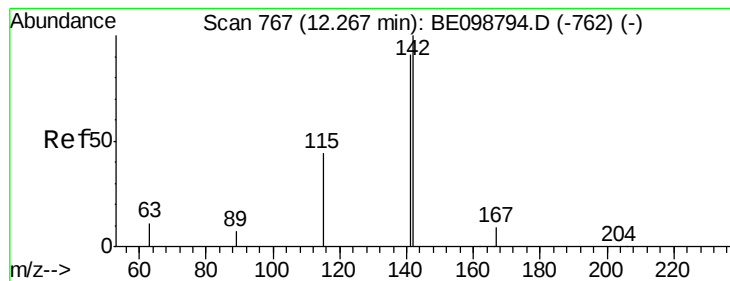


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E



Time-->





#12

2-Methylnaphthalene

Concen: 0.369 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

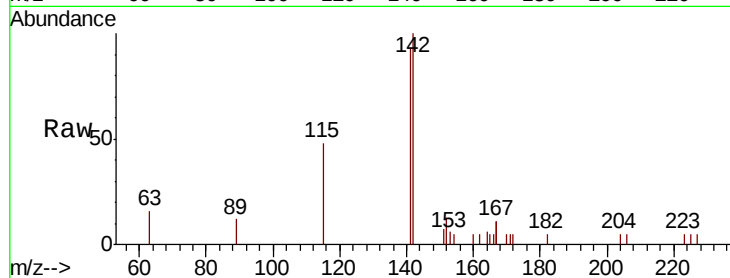
Tot Ion:142 Resp: 2133

Ion Ratio Lower Upper

142 100

141 92.6 72.6 108.8

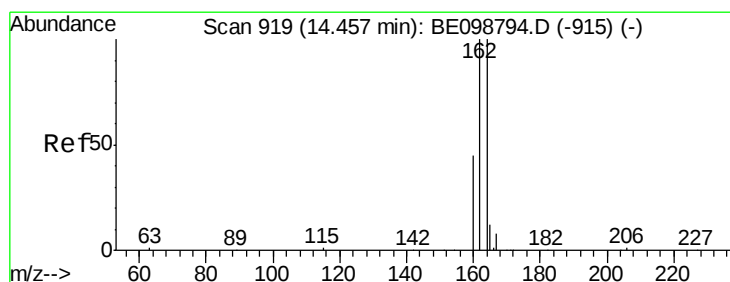
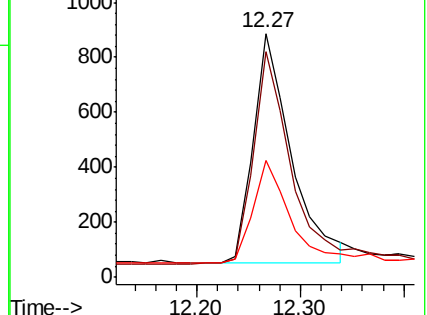
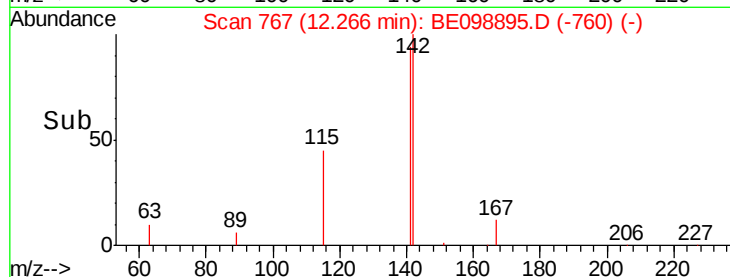
115 47.9 37.4 56.2



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: BE098895.D

Acq: 12 Mar 2019 13:20

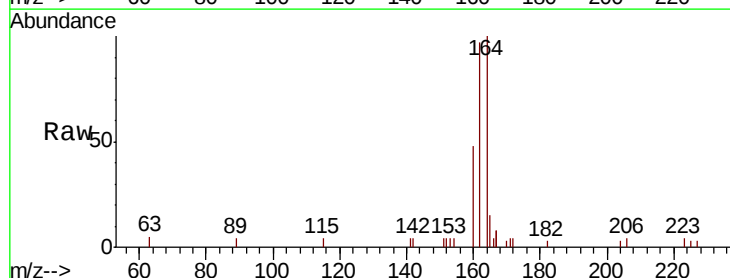
Tgt Ion:164 Resp: 2022

Ion Ratio Lower Upper

164 100

162 96.8 80.2 120.2

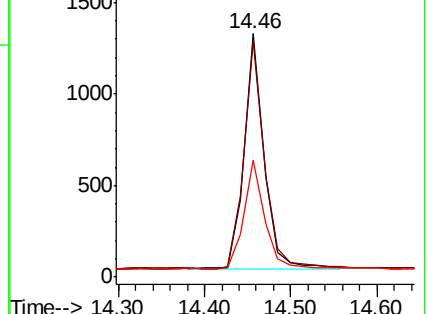
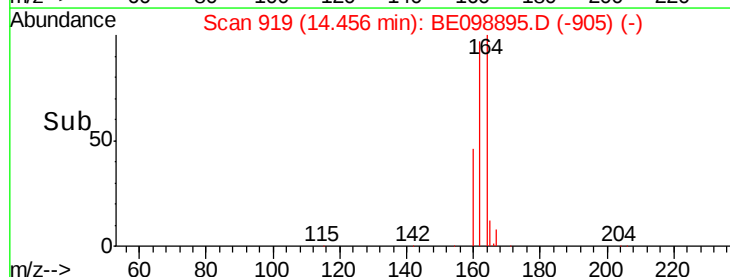
160 47.9 37.8 56.8

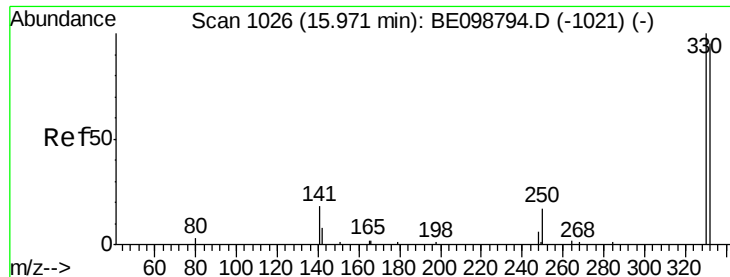


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

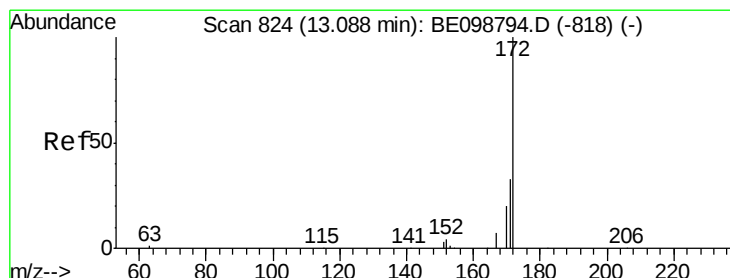
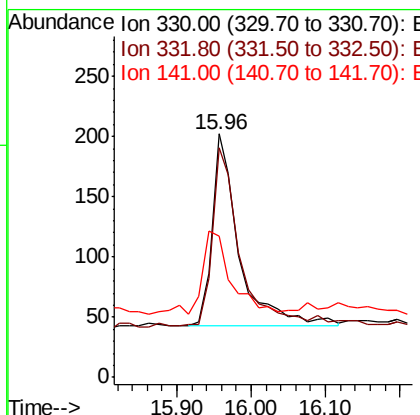
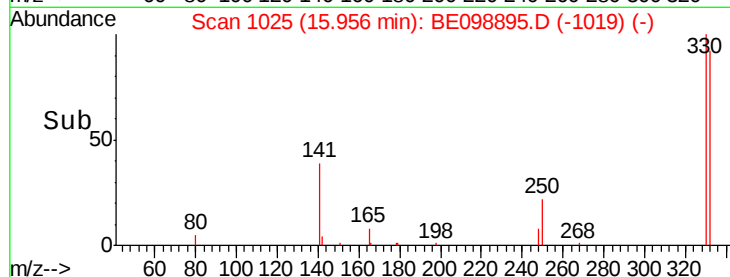
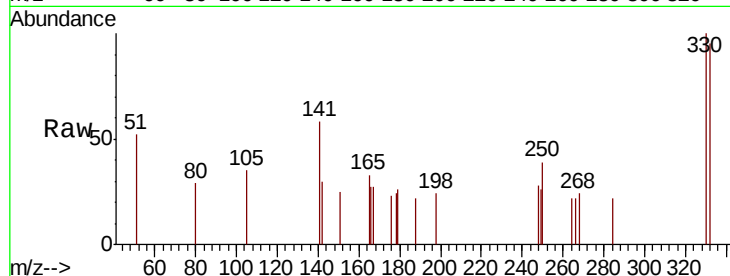




#14
 2,4,6-Tribromophenol
 Concen: 0.392 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE098895.D
 Acq: 12 Mar 2019 13:20

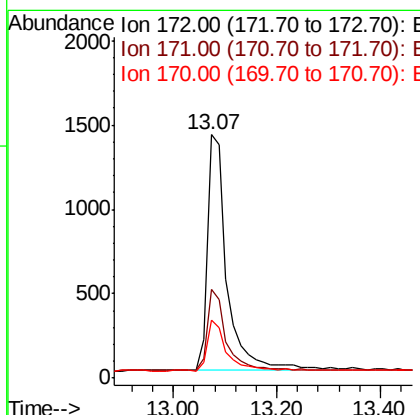
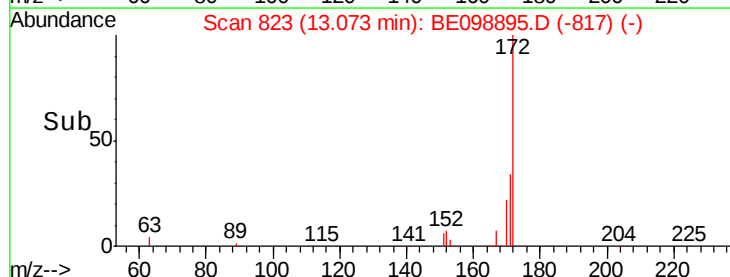
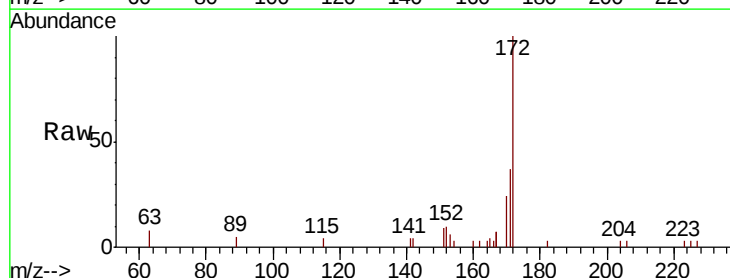
Instrument :
 BNA_E
 ClientSampleId :
 RE122D2-20190308MSD

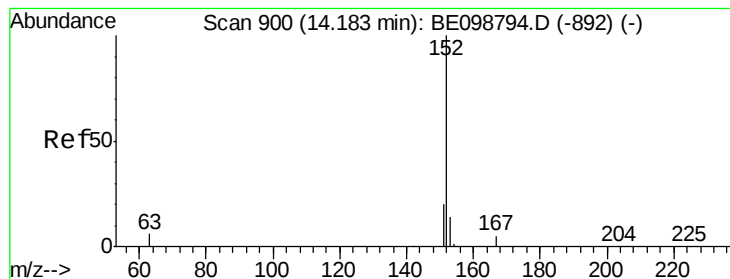
Tot Ion:330 Resp: 400
 Ion Ratio Lower Upper
 330 100
 332 99.3 77.6 116.4
 141 44.5 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.446 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE098895.D
 Acq: 12 Mar 2019 13:20

Tgt Ion:172 Resp: 3731
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.0 42.0
 170 24.0 17.7 26.5





#16

Acenaphthylene

Concen: 0.357 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

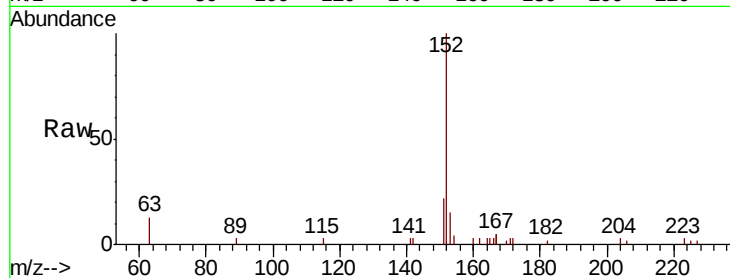
Tot Ion:152 Resp: 3716

Ion Ratio Lower Upper

152 100

151 20.6 17.0 25.6

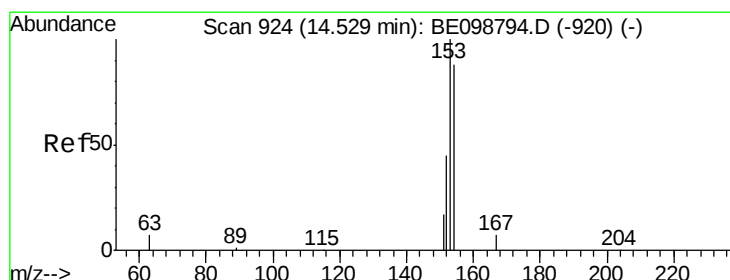
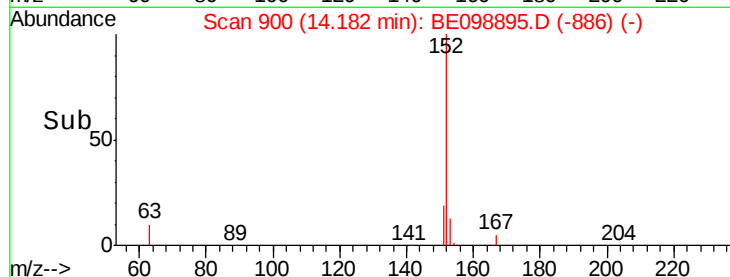
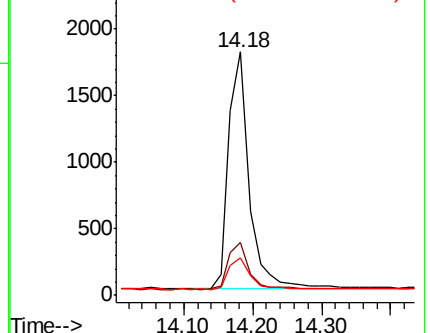
153 13.5 11.2 16.8



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: 0.369 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

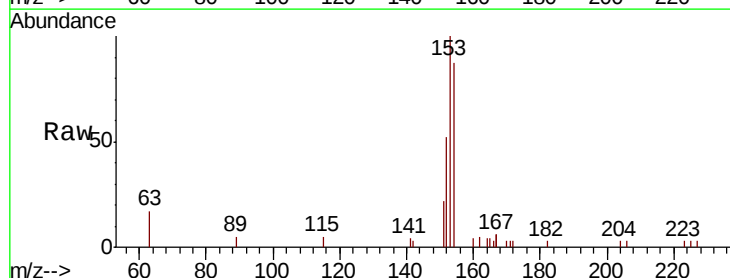
Tgt Ion:154 Resp: 2277

Ion Ratio Lower Upper

154 100

153 113.0 94.2 141.4

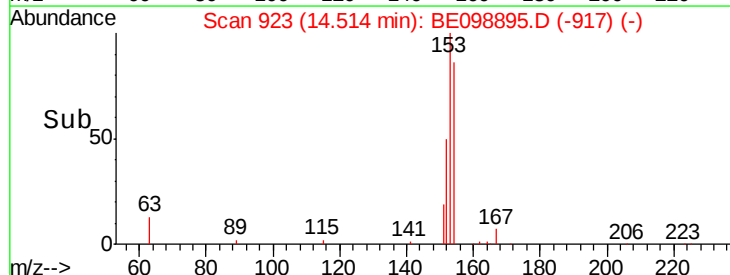
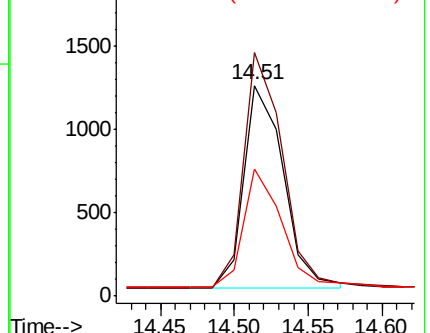
152 56.1 45.0 67.4

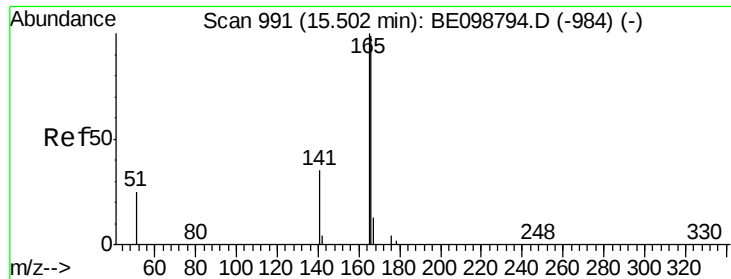


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

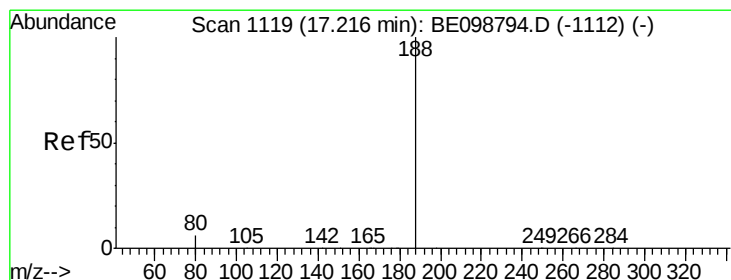
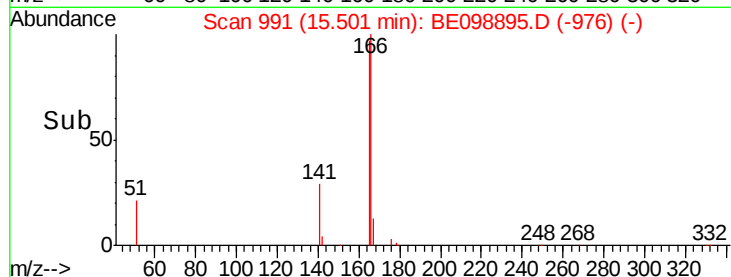
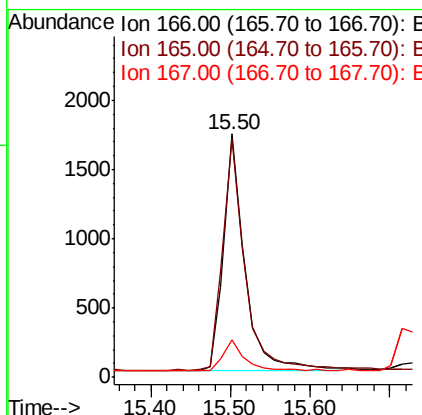
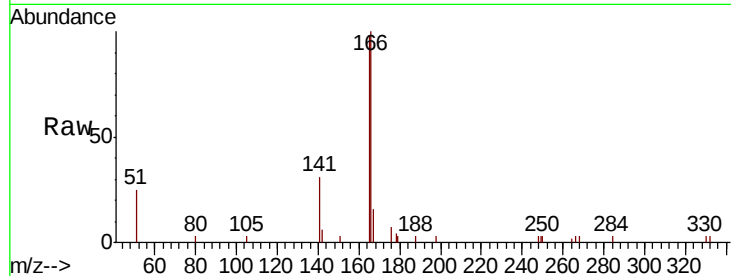




#18
Fluorene
 Concen: 0.362 ng
 RT: 15.50 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BE098895.D
 Acq: 12 Mar 2019 13:20

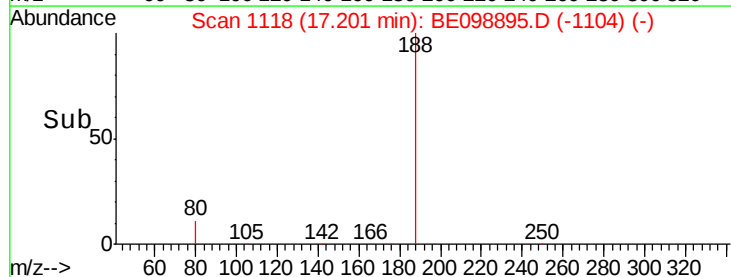
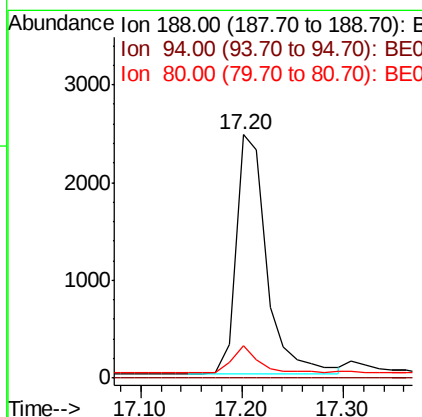
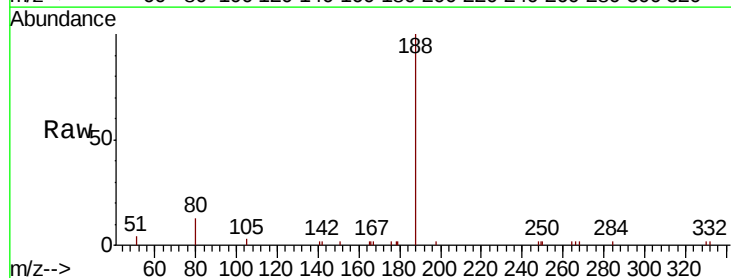
Instrument :
 BNA_E
 ClientSampleId :
 RE122D2-20190308MSD

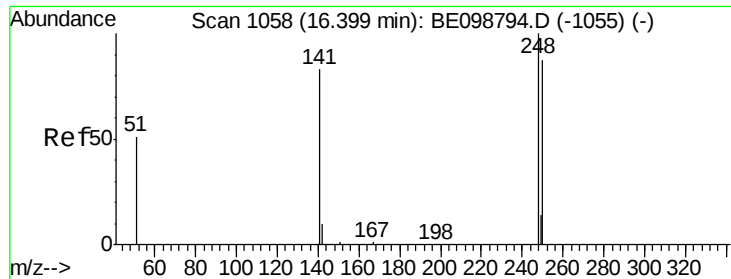
Tot Ion:166 Resp: 3222
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.3 118.9
 167 13.5 10.5 15.7



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BE098895.D
 Acq: 12 Mar 2019 13:20

Tgt Ion:188 Resp: 5119
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 13.4 6.3 9.5#

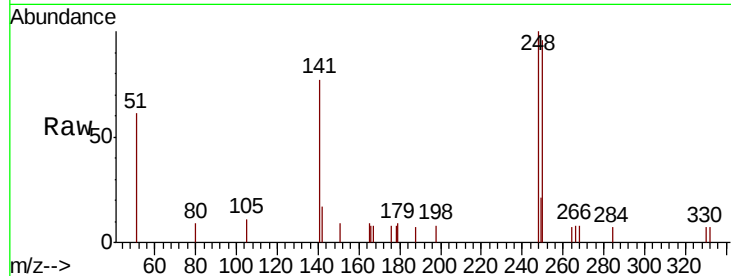




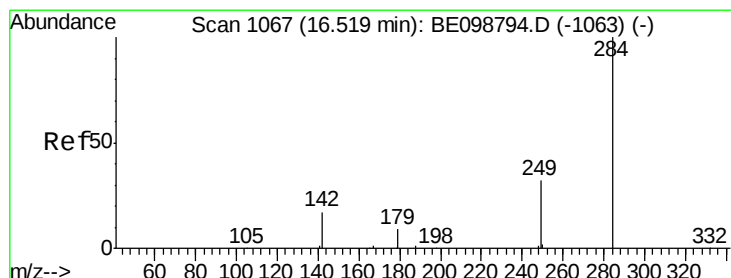
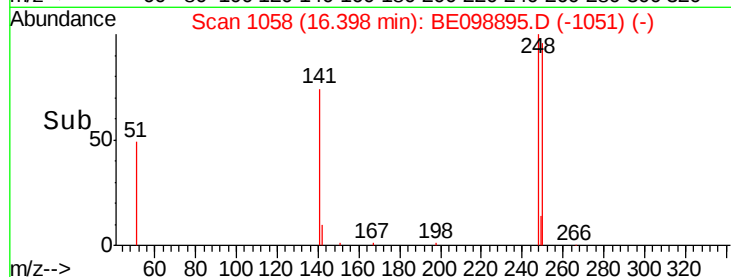
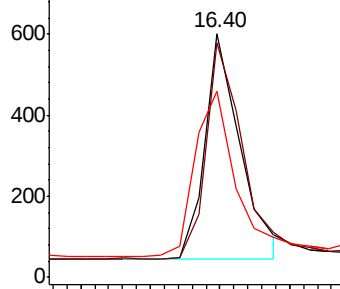
#20
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

Tot Ion:248 Resp: 990
Ion Ratio Lower Upper
248 100
250 96.2 70.6 105.8
141 76.5 68.6 102.8

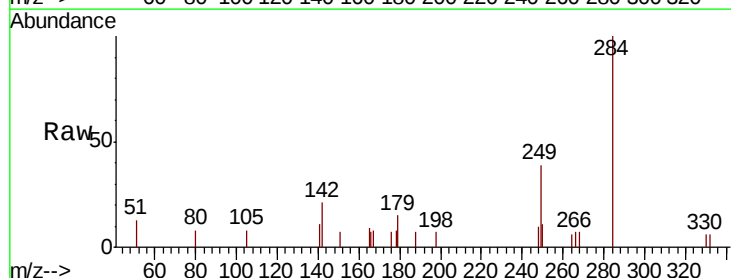


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

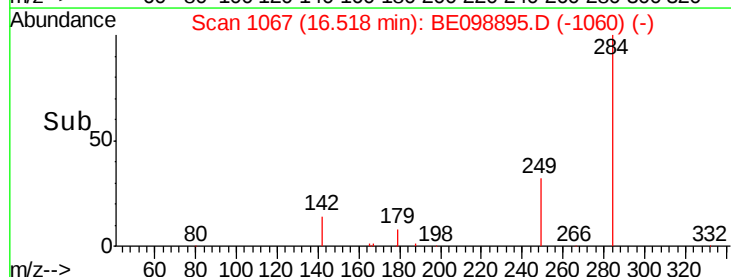
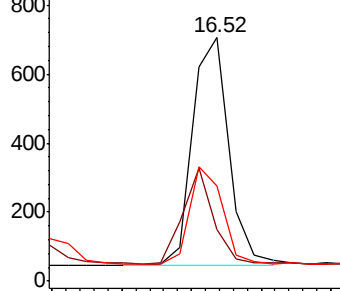


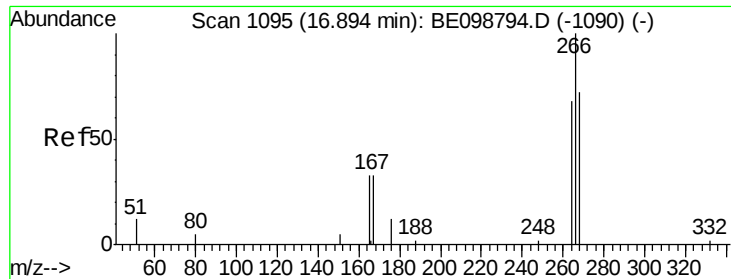
#21
Hexachlorobenzene
Concen: 0.364 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Tgt Ion:284 Resp: 1200
Ion Ratio Lower Upper
284 100
142 35.1 28.7 43.1
249 38.7 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





#22

Pentachlorophenol

Concen: 0.808 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

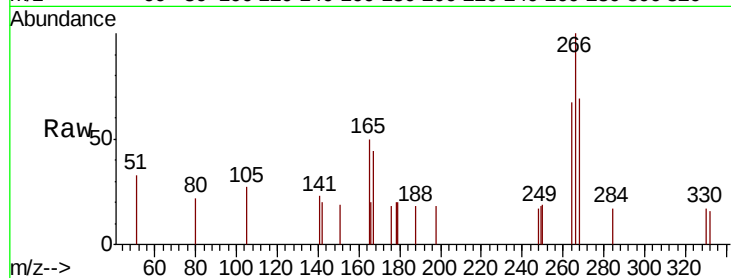
Tot Ion:266 Resp: 611

Ion Ratio Lower Upper

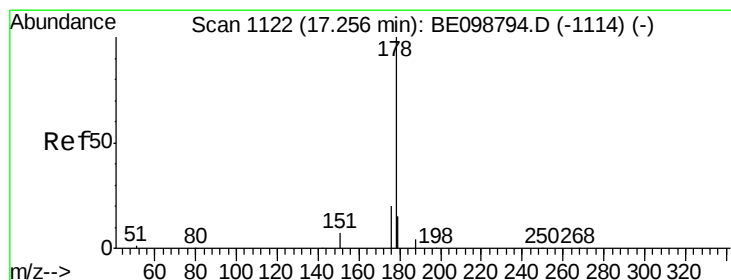
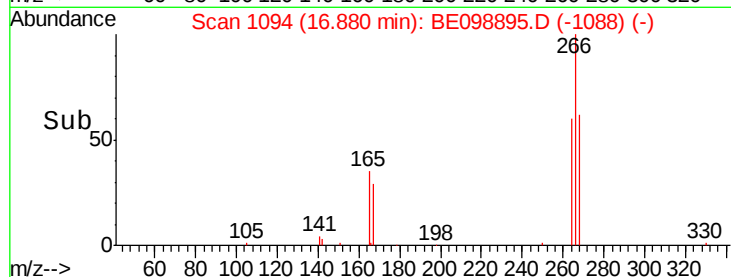
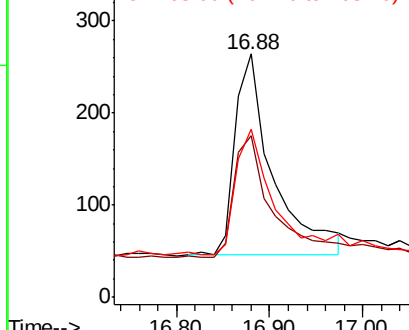
266 100

264 66.7 66.6 100.0

268 68.9 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



#23

Phenanthrene

Concen: 0.381 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

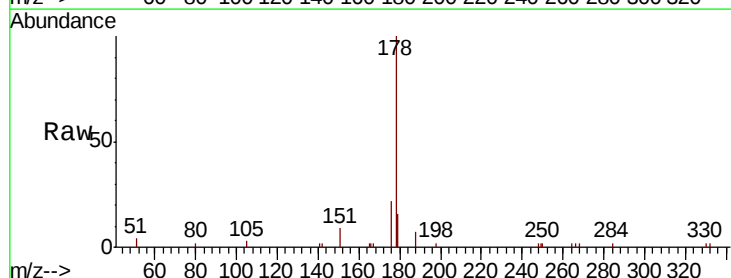
Tgt Ion:178 Resp: 5550

Ion Ratio Lower Upper

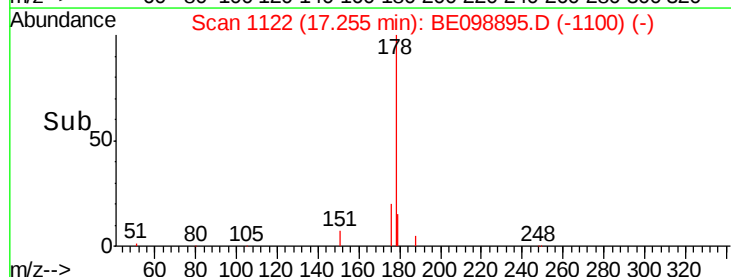
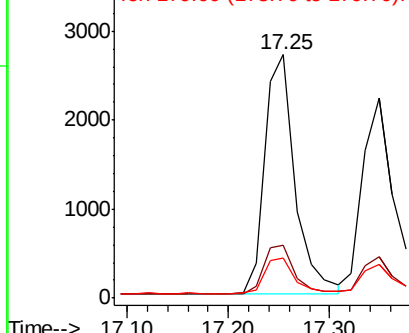
178 100

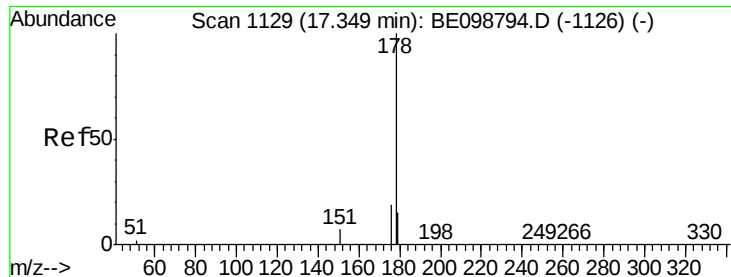
176 20.3 16.0 24.0

179 15.4 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

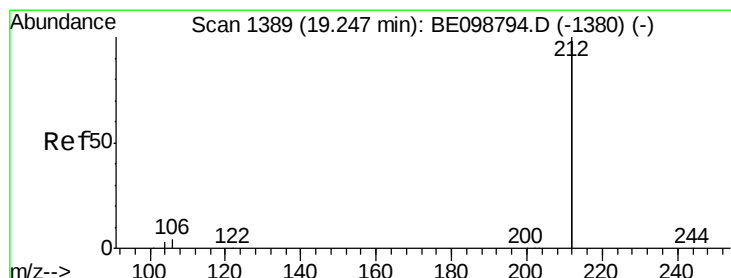
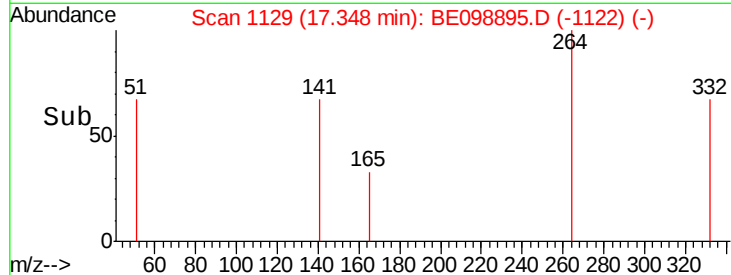
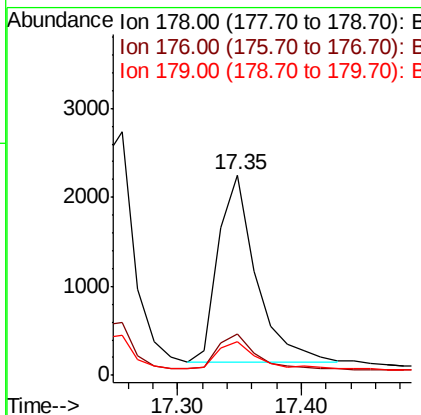
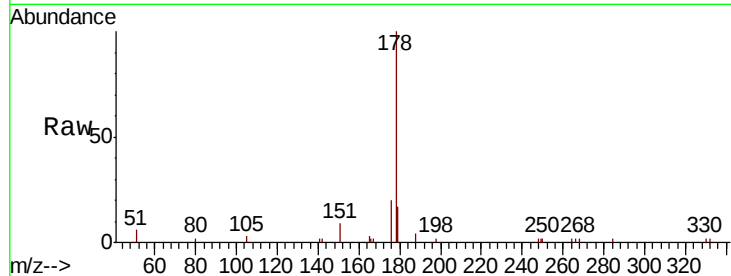




#24
 Anthracene
 Concen: 0.361 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: BE098895.D
 Acq: 12 Mar 2019 13:20

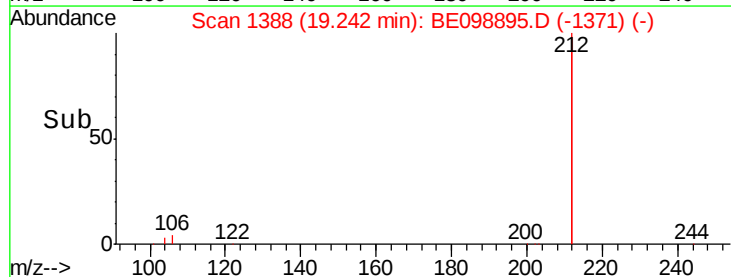
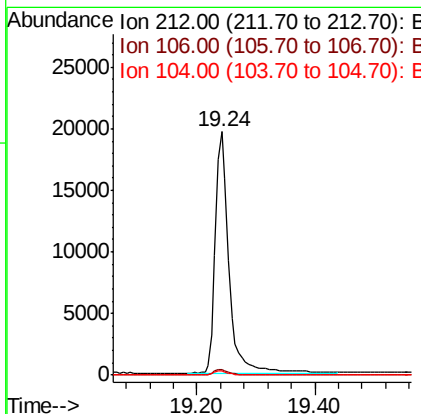
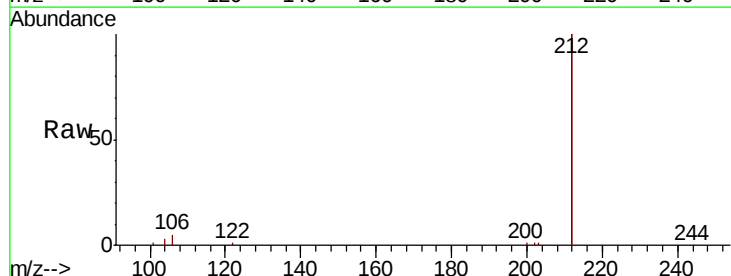
Instrument :
 BNA_E
 ClientSampleId :
 RE122D2-20190308MSD

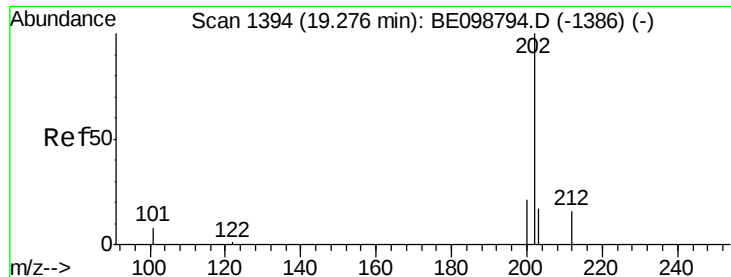
Tot Ion:178 Resp: 4491
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.0
 179 14.8 12.2 18.4



#25
 Fluoranthene-d10
 Concen: 0.386 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: BE098895.D
 Acq: 12 Mar 2019 13:20

Tgt Ion:212 Resp: 31526
 Ion Ratio Lower Upper
 212 100
 106 2.2 1.8 2.8
 104 1.4 1.0 1.6

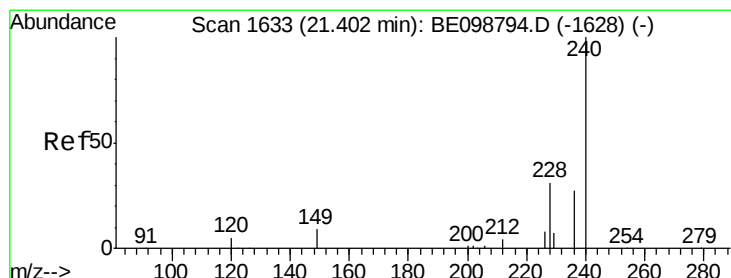
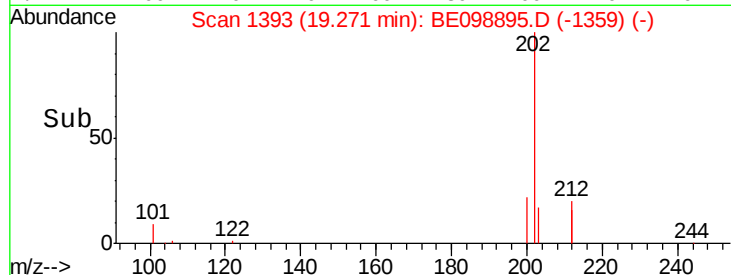
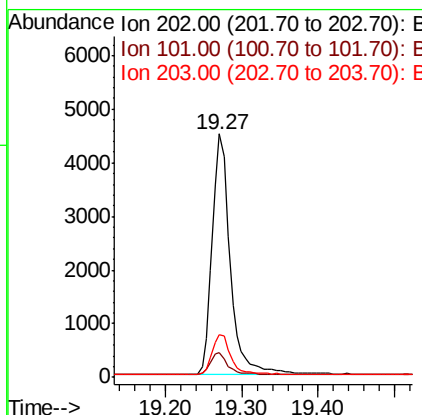
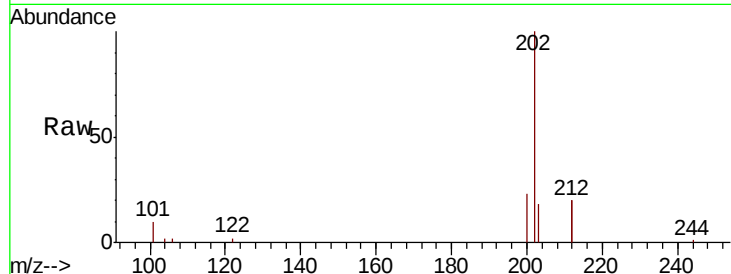




#26
Fluoranthene
Concen: 0.363 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

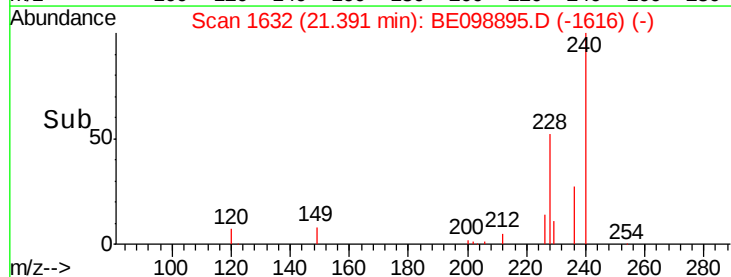
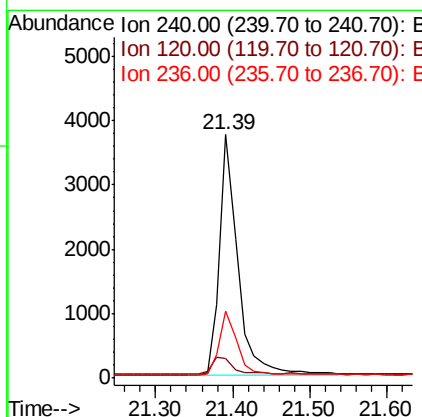
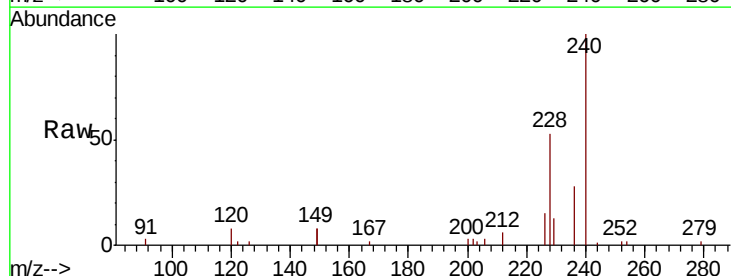
Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

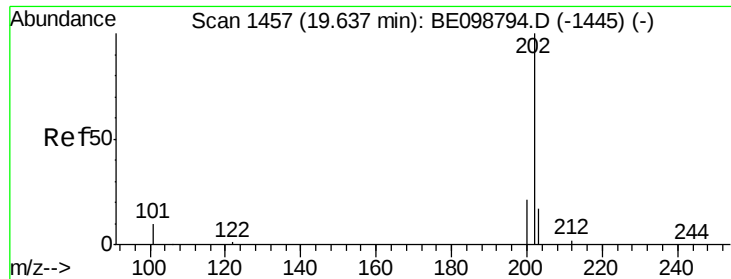
Tot Ion:202 Resp: 7448
Ion Ratio Lower Upper
202 100
101 9.1 7.3 10.9
203 16.7 13.4 20.2



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Tgt Ion:240 Resp: 6196
Ion Ratio Lower Upper
240 100
120 8.2 5.0 7.4#
236 27.8 22.7 34.1





#28

Pvrene

Concen: 0.405 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

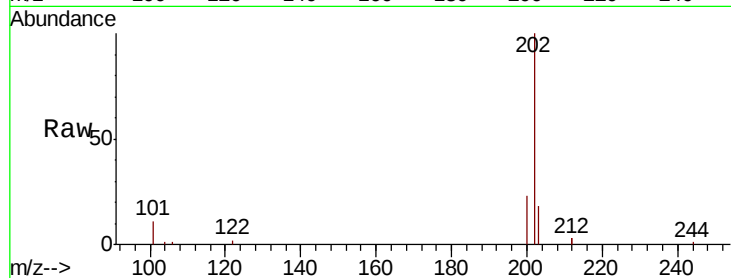
Tot Ion:202 Resp: 7671

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

203 18.1 14.2 21.2

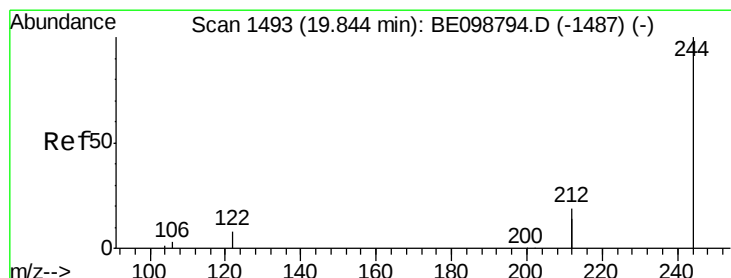
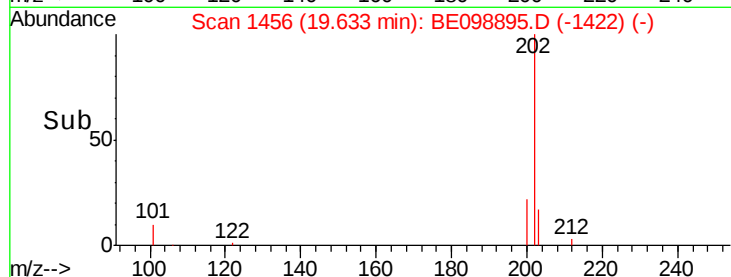
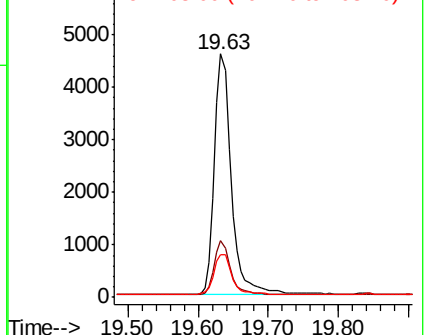


Abundance

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: 0.508 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

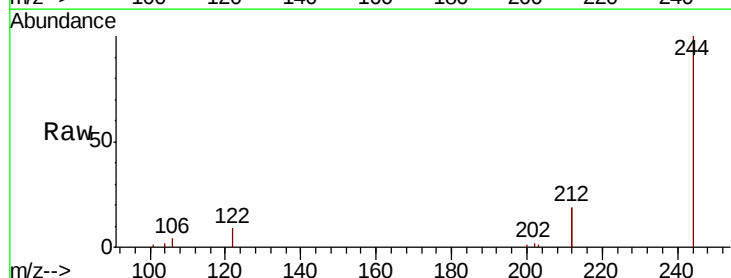
Tgt Ion:244 Resp: 7642

Ion Ratio Lower Upper

244 100

212 37.6 29.4 44.2

122 8.9 7.1 10.7

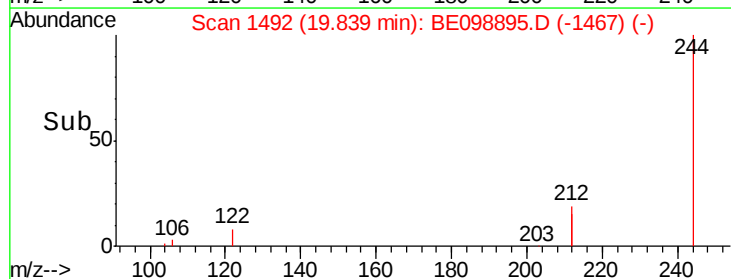
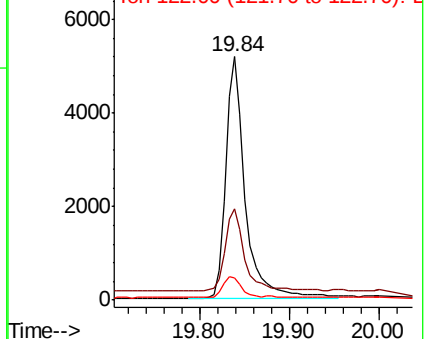


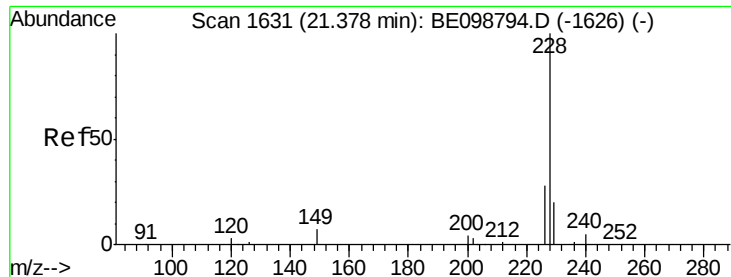
Abundance

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: 0.363 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

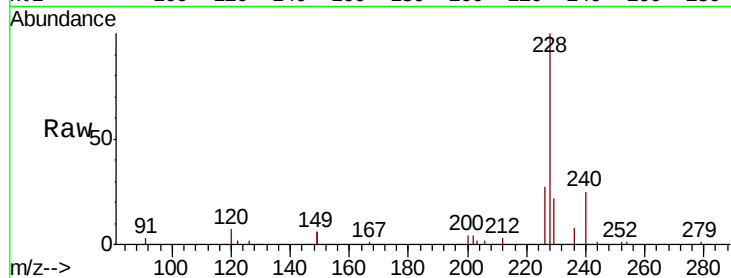
Tot Ion:228 Resp: 7022

Ion Ratio Lower Upper

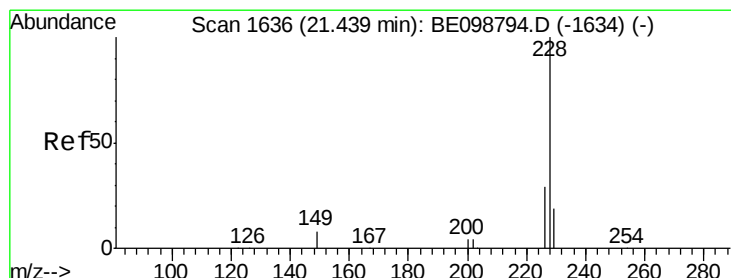
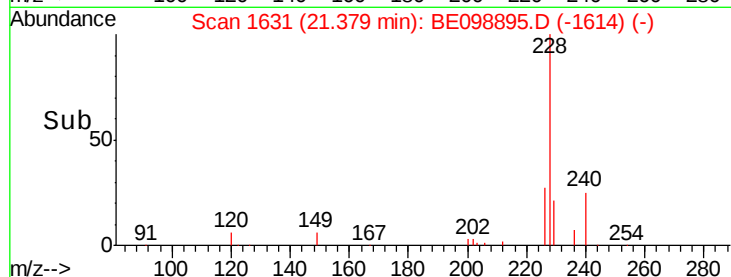
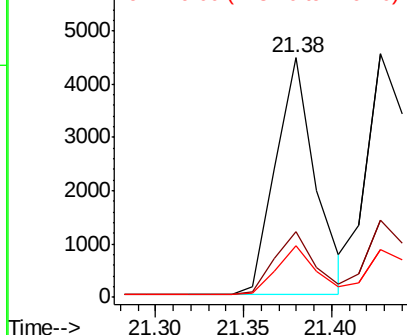
228 100

226 27.3 23.0 34.4

229 21.7 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: 0.375 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

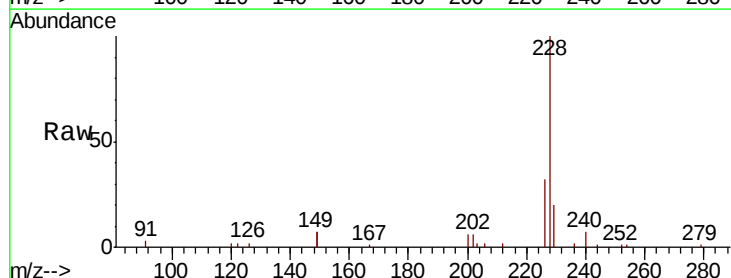
Tgt Ion:228 Resp: 7750

Ion Ratio Lower Upper

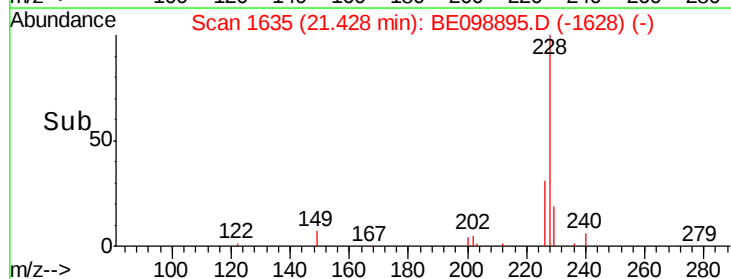
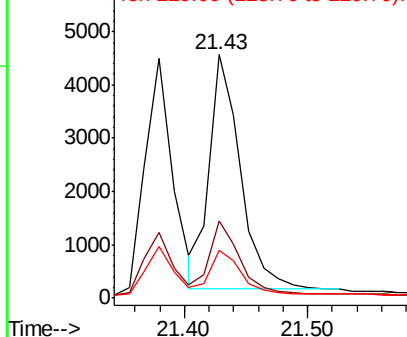
228 100

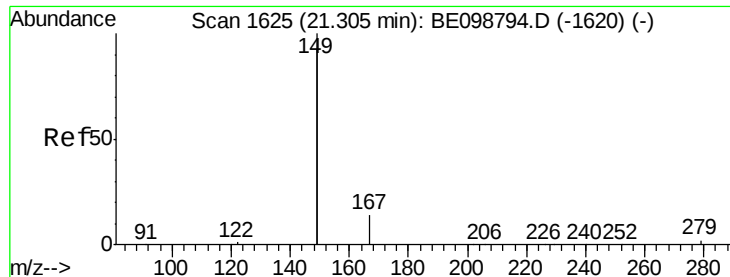
226 31.5 23.7 35.5

229 19.9 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: 0.347 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

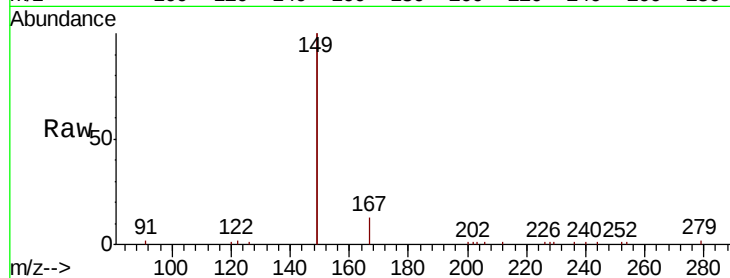
Tot Ion:149 Resp: 14281

Ion Ratio Lower Upper

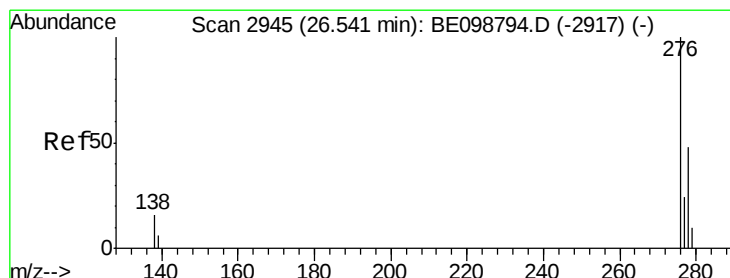
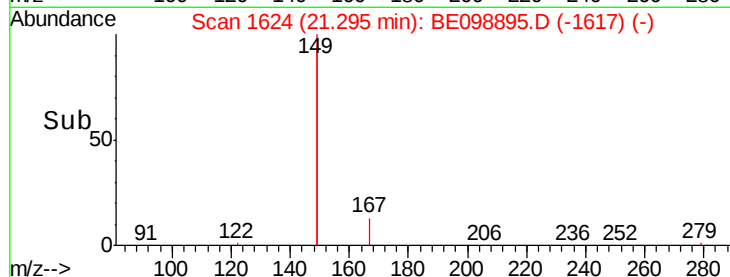
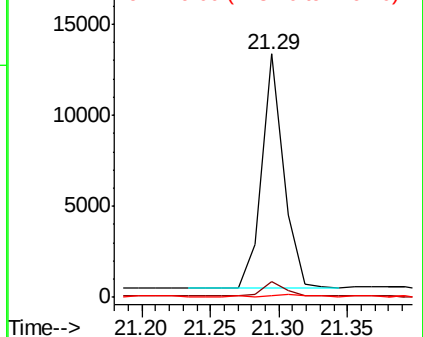
149 100

167 6.9 5.4 8.0

279 1.2 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: 0.364 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

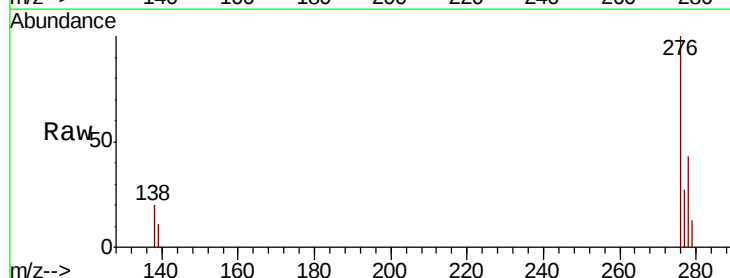
Tgt Ion:276 Resp: 7954

Ion Ratio Lower Upper

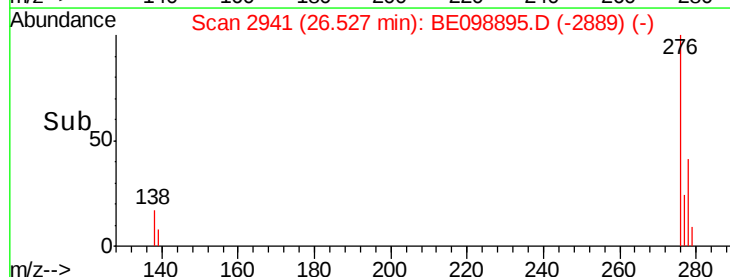
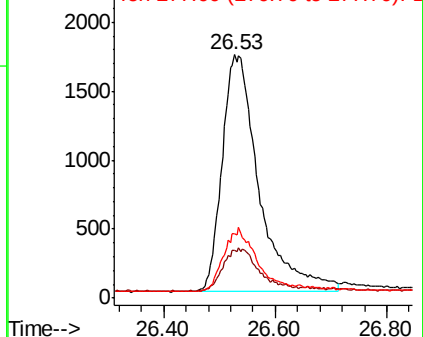
276 100

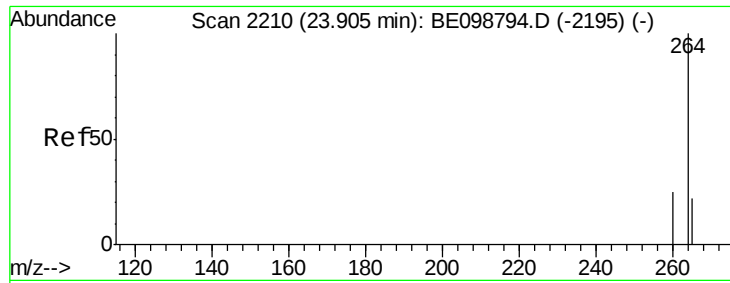
138 17.1 13.8 20.8

277 23.8 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

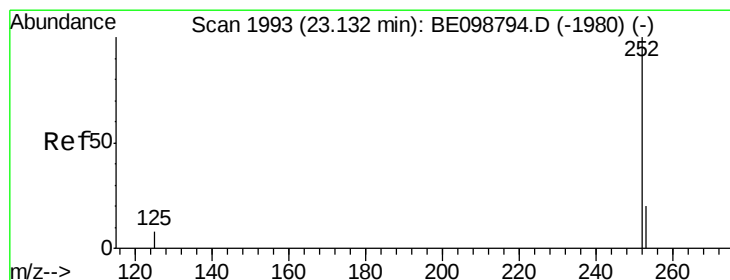
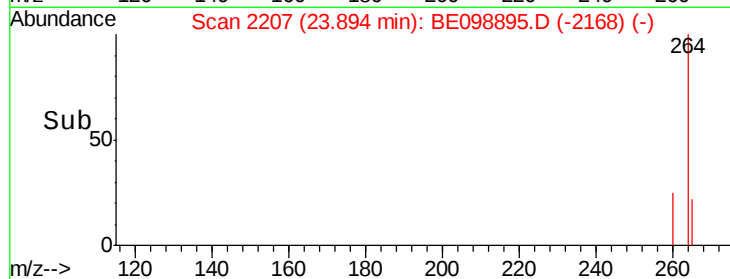
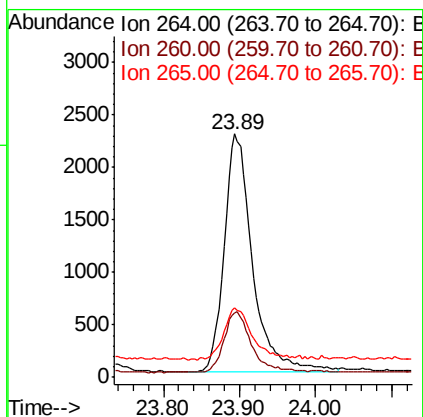
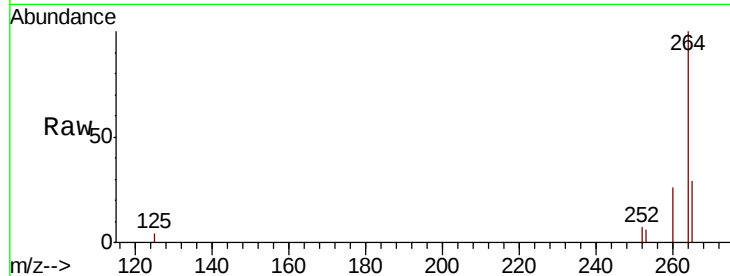




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

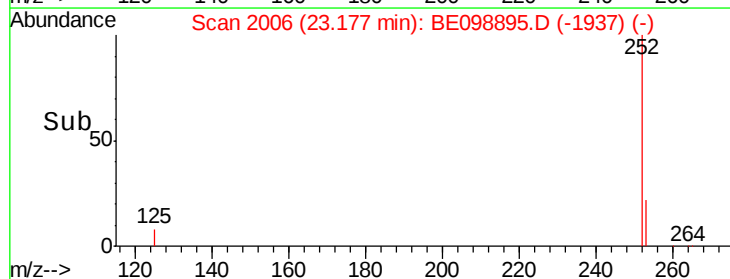
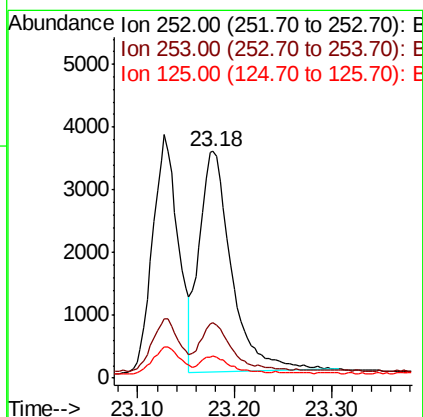
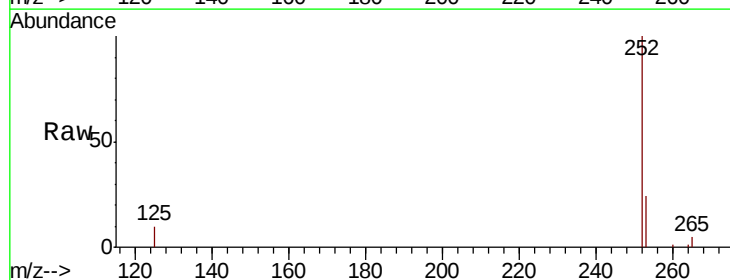
Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

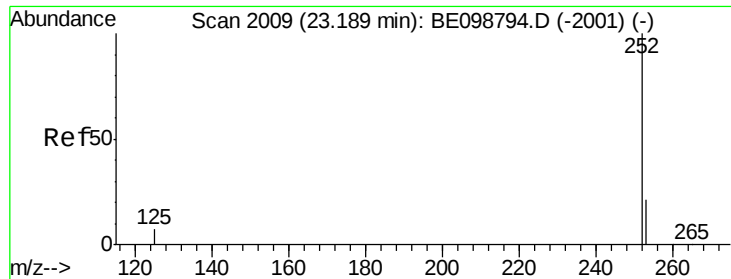
Tot Ion:264 Resp: 5845
Ion Ratio Lower Upper
264 100
260 26.2 21.2 31.8
265 28.7 24.6 36.8



#35
Benzo(b)fluoranthene
Concen: 0.419 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.05 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Tgt Ion:252 Resp: 8045
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 9.7 7.3 10.9

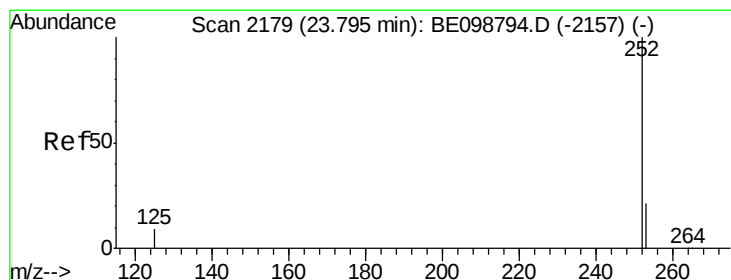
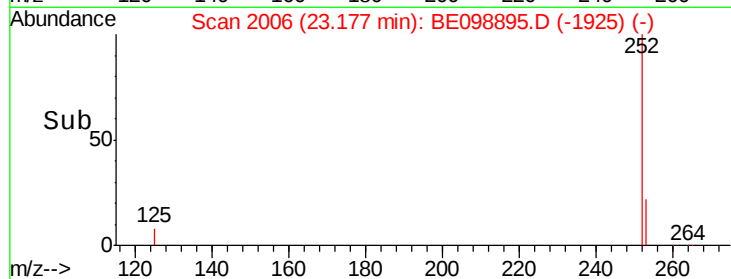
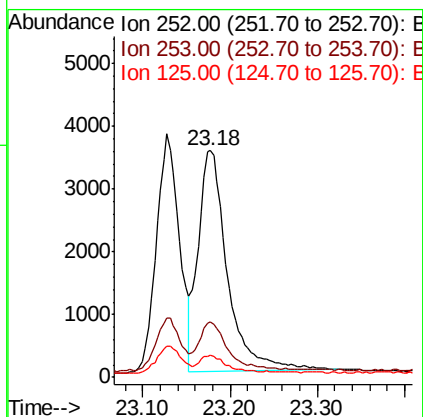
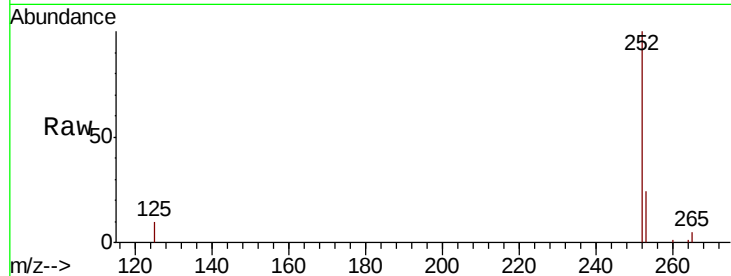




#36
Benzo(k)fluoranthene
Concen: 0.408 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

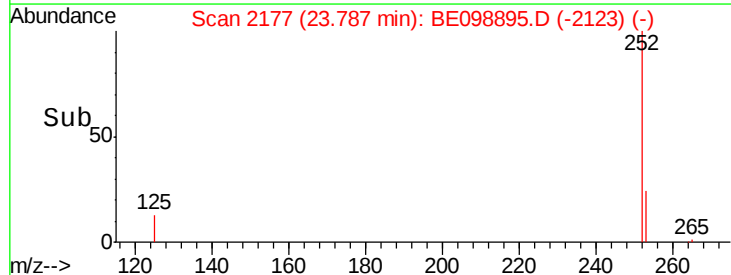
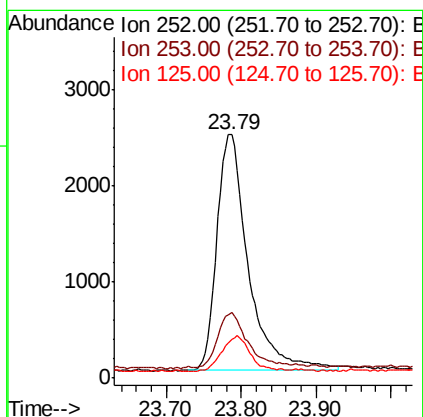
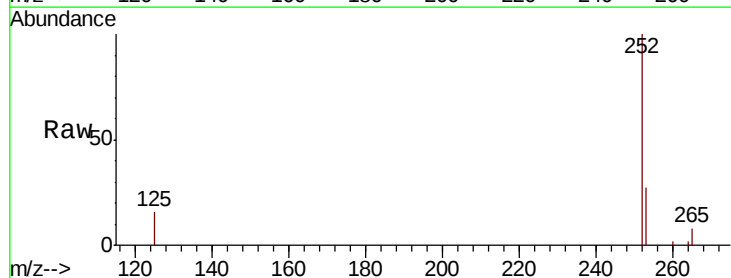
Instrument :
BNA_E
ClientSampleId :
RE122D2-20190308MSD

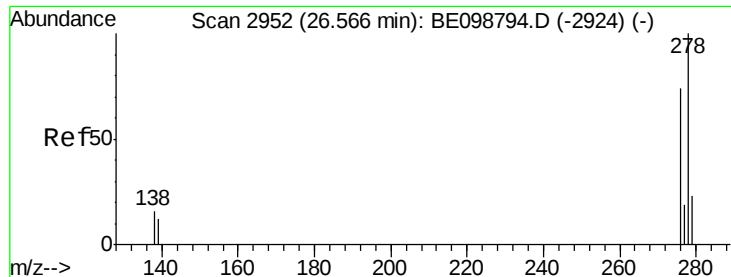
Tot Ion:252 Resp: 8216
Ion Ratio Lower Upper
252 100
253 24.3 19.3 28.9
125 9.7 7.5 11.3



#37
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.79 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BE098895.D
Acq: 12 Mar 2019 13:20

Tgt Ion:252 Resp: 7145
Ion Ratio Lower Upper
252 100
253 26.9 19.9 29.9
125 16.0 9.0 13.4#





#38

Dibenzo(a,h)anthracene

Concen: 0.372 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

Instrument :

BNA_E

ClientSampleId :

RE122D2-20190308MSD

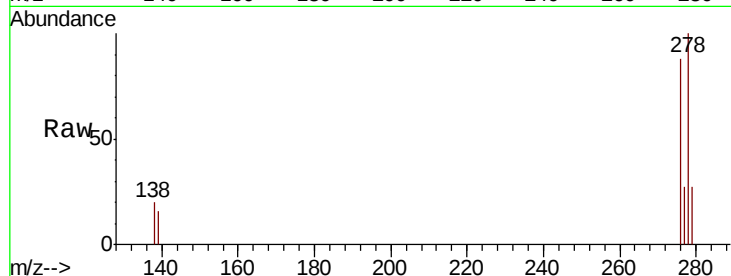
Tot Ion:278 Resp: 6493

Ion Ratio Lower Upper

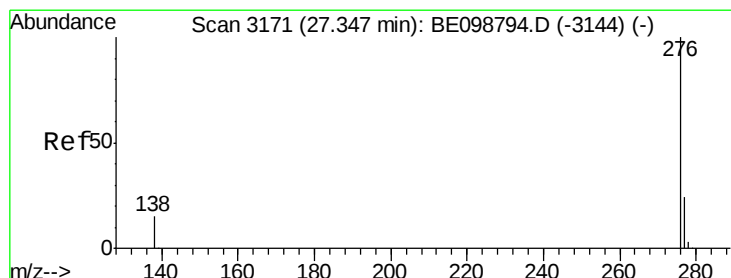
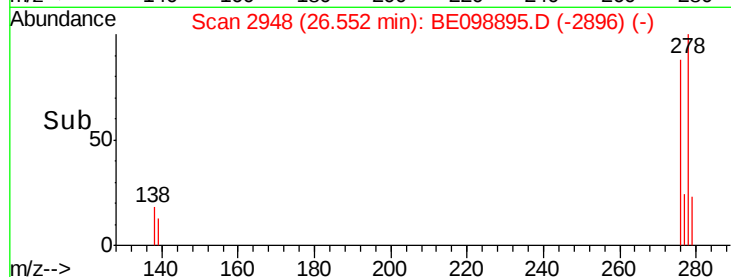
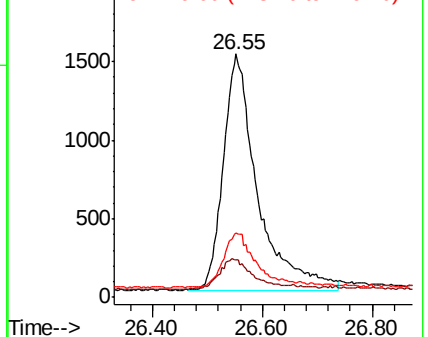
278 100

139 15.7 11.8 17.6

279 26.5 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(g,h,i)perylene

Concen: 0.370 ng

RT: 27.34 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BE098895.D

Acq: 12 Mar 2019 13:20

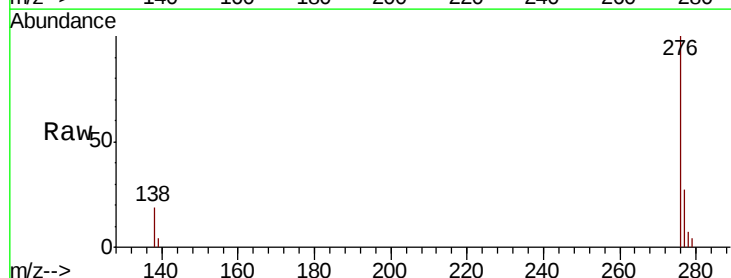
Tgt Ion:276 Resp: 6744

Ion Ratio Lower Upper

276 100

277 26.7 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

