

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
 Data File : BE098616.D
 Acq On : 4 Jan 2019 15:37
 Operator : SJ/JU
 Sample : PB116164BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB116164BSD

Quant Time: Jan 04 21:12:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 02 10:30:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1162	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	4633	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	2546	0.40	ng	0.02
19) Phenanthrene-d10	17.23	188	5463	0.40	ng	0.01
27) Chrysene-d12	21.41	240	6508	0.40	ng	0.01
34) Perylene-d12	23.93	264	7254	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	908	0.33	ng	0.02
5) Phenol-d6	7.00	99	1196	0.31	ng	0.01
8) Nitrobenzene-d5	8.98	82	1129	0.27	ng	0.02
11) 2-Methylnaphthalene-d10	12.21	152	2177	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	214	0.23	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	2693	0.25	ng	0.02
25) Fluoranthene-d10	19.26	212	17788	0.25	ng	0.01
29) Terphenyl-d14	19.86	244	3660	0.23	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	448	0.223	ng	# 56
3) n-Nitrosodimethylamine	3.65	42	596	0.329	ng	# 100
6) bis(2-Chloroethyl)ether	7.24	93	838	0.229	ng	100
9) Naphthalene	10.65	128	12779	0.274	ng	99
10) Hexachlorobutadiene	10.94	225	824	0.278	ng	99
12) 2-Methylnaphthalene	12.28	142	1972	0.260	ng	# 87
16) Acenaphthylene	14.20	152	3071	0.257	ng	99
17) Acenaphthene	14.54	154	1824	0.255	ng	99
18) Fluorene	15.52	166	2414	0.252	ng	99
20) 4-Bromophenyl-phenylether	16.42	248	751	0.255	ng	95
21) Hexachlorobenzene	16.53	284	852	0.270	ng	95
22) Pentachlorophenol	16.89	266	511	0.866	ng	93
23) Phenanthrene	17.27	178	3619	0.273	ng	100
24) Anthracene	17.36	178	3098	0.262	ng	99
26) Fluoranthene	19.29	202	4461	0.254	ng	98
28) Pyrene	19.65	202	4529	0.222	ng	99
30) Benzo(a)anthracene	21.40	228	5086	0.274	ng	97
31) Chrysene	21.45	228	4967	0.256	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	10401	0.276	ng	99
33) Indeno(1,2,3-cd)pyrene	26.58	276	6665	0.345	ng	97
35) Benzo(b)fluoranthene	23.16	252	5410	0.273	ng	99
36) Benzo(k)fluoranthene	23.21	252	5820	0.252	ng	96
37) Benzo(a)pyrene	23.82	252	5510	0.269	ng	98
38) Dibenzo(a,h)anthracene	26.60	278	5432	0.282	ng	97
39) Benzo(g,h,i)perylene	27.39	276	5736	0.295	ng	97

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

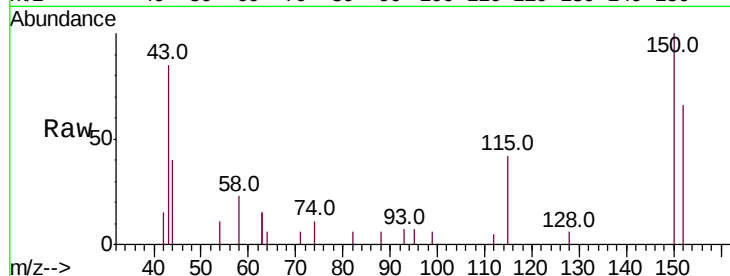


#1

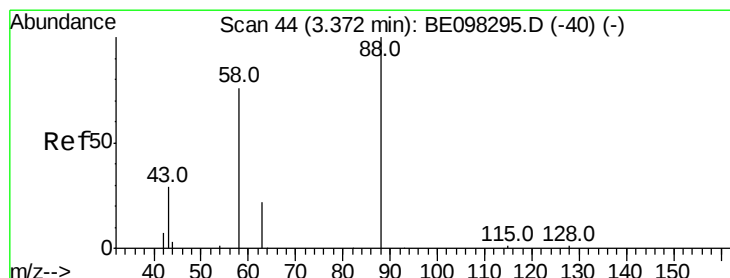
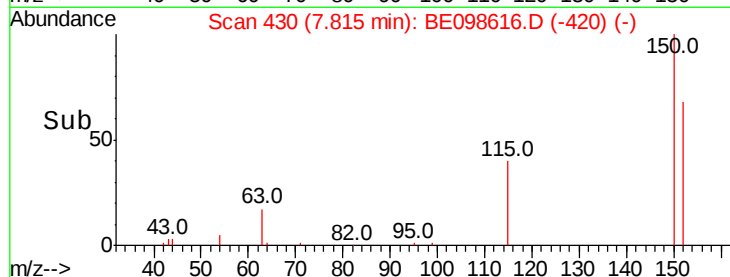
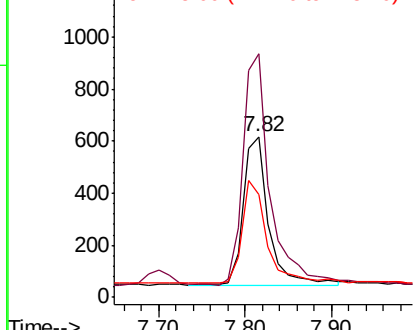
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: BE098616.D
 Acq: 4 Jan 2019 15:37

Instrument :
 BNA_E
 ClientSampleId :
 PB116164BSD

Tot Ion:152 Resp: 1162
 Ion Ratio Lower Upper
 152 100
 150 151.5 124.2 186.4
 115 63.9 53.9 80.9



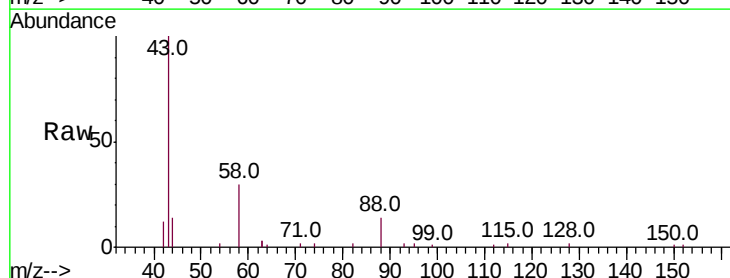
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



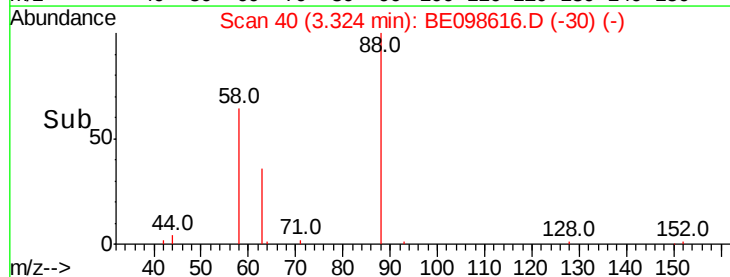
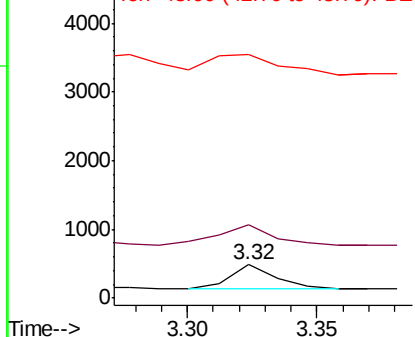
#2

1,4-Dioxane
 Concen: 0.223 ng
 RT: 3.32 min Scan# 40
 Delta R.T. 0.01 min
 Lab File: BE098616.D
 Acq: 4 Jan 2019 15:37

Tgt Ion: 88 Resp: 448
 Ion Ratio Lower Upper
 88 100
 58 103.6 75.0 112.6
 43 121.7 38.3 57.5#



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: 0.329 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

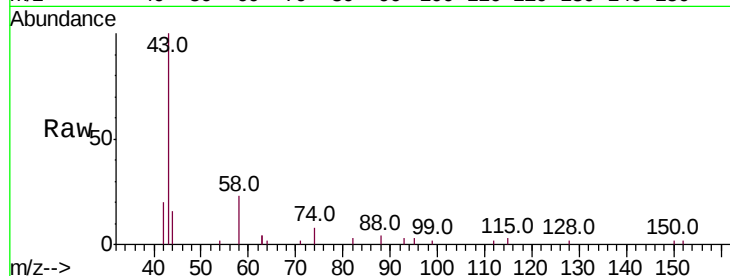
Tot Ion: 42 Resp: 596

Ion Ratio Lower Upper

42 100

74 73.8 0.0 0.0#

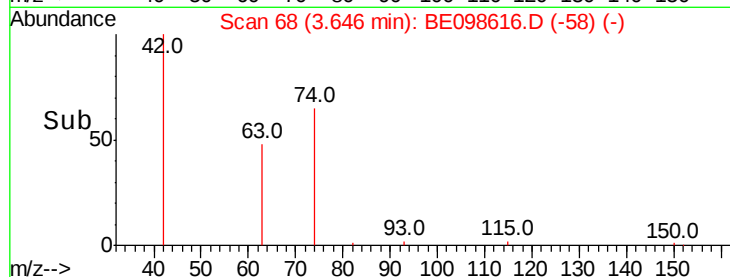
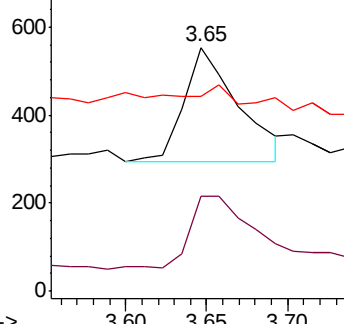
44 0.0 0.0 0.0



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: 0.334 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

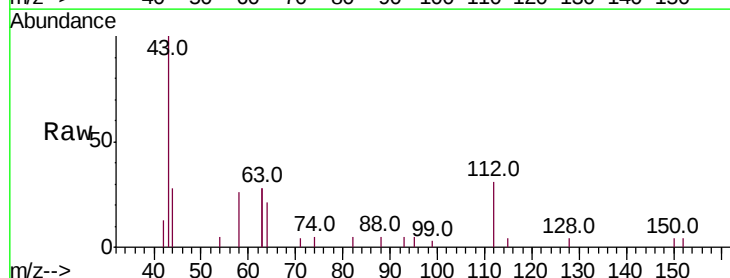
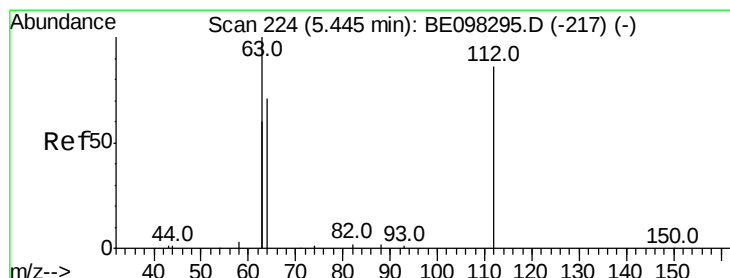
Tgt Ion: 112 Resp: 908

Ion Ratio Lower Upper

112 100

64 77.4 59.8 89.8

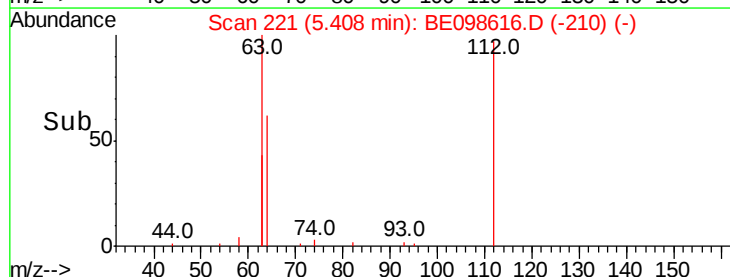
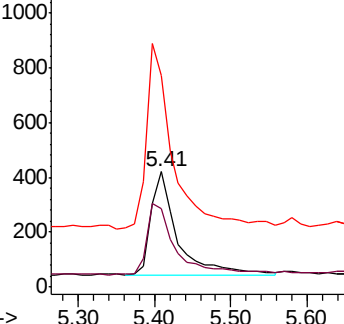
63 184.0 133.7 200.5



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: 0.310 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

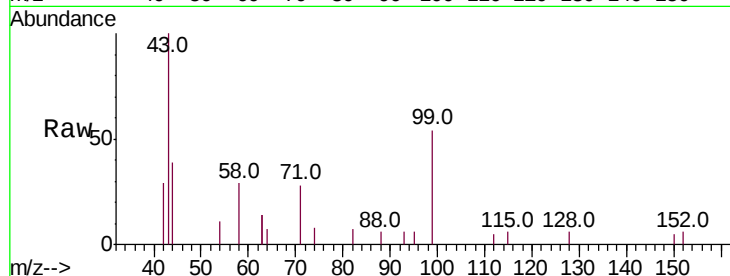
Tot Ion: 99 Resp: 1196

Ion Ratio Lower Upper

99 100

42 36.6 26.3 39.5

71 46.4 33.6 50.4

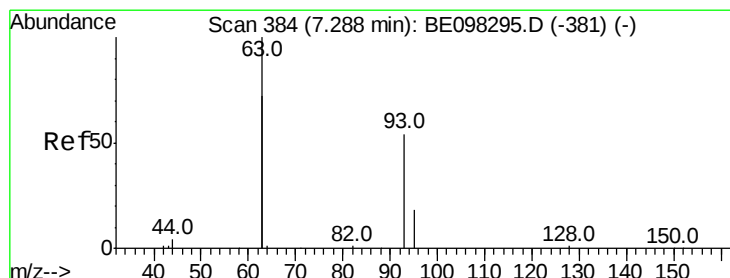
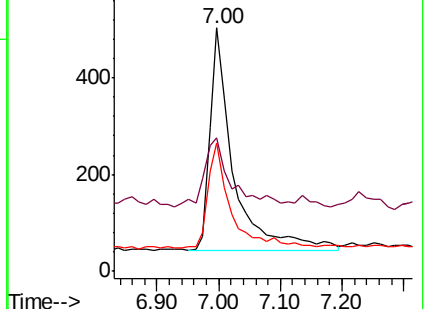
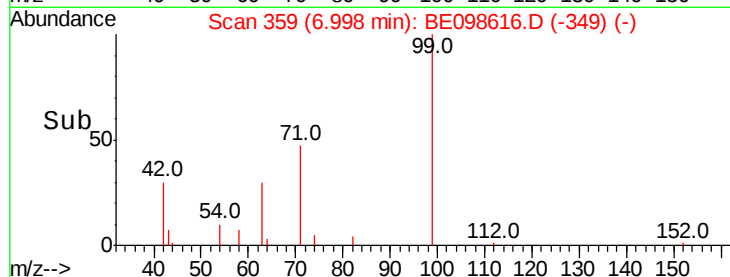


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.229 ng

RT: 7.24 min Scan# 380

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

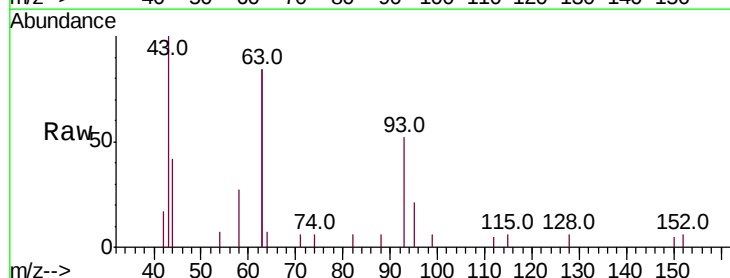
Tgt Ion: 93 Resp: 838

Ion Ratio Lower Upper

93 100

63 330.4 264.4 396.6

95 33.2 26.6 40.0

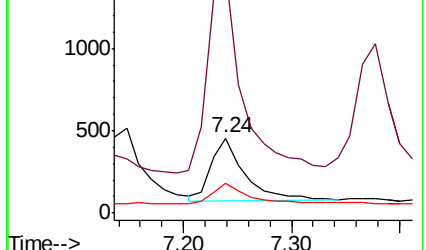
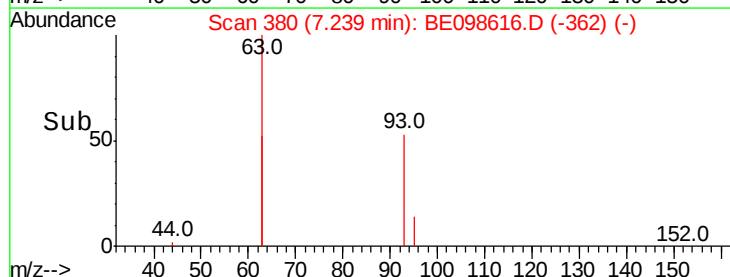


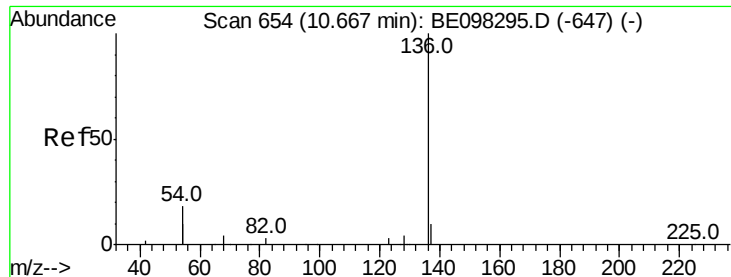
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

Tot Ion:136 Resp: 4633

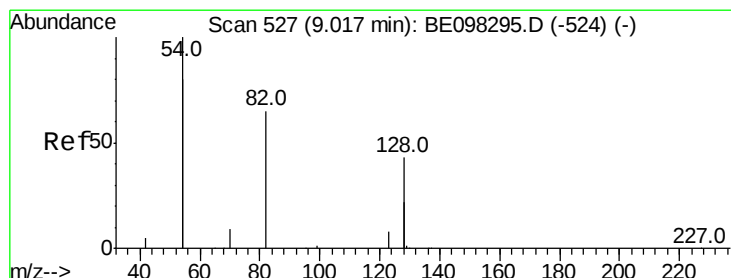
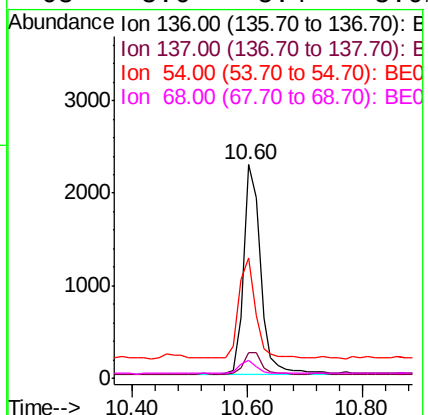
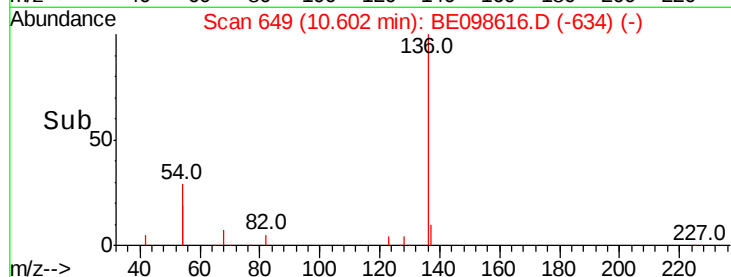
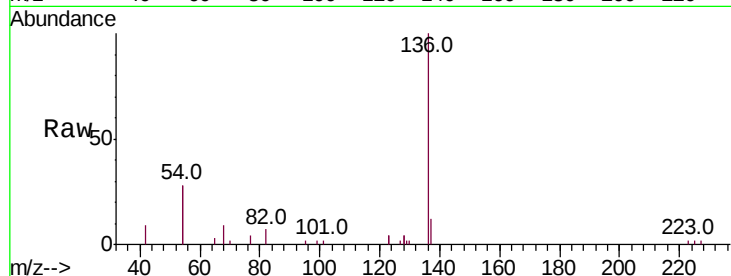
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 56.3 28.4 42.6#

68 8.6 5.4 8.0#



#8

Nitrobenzene-d5

Concen: 0.268 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.02 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

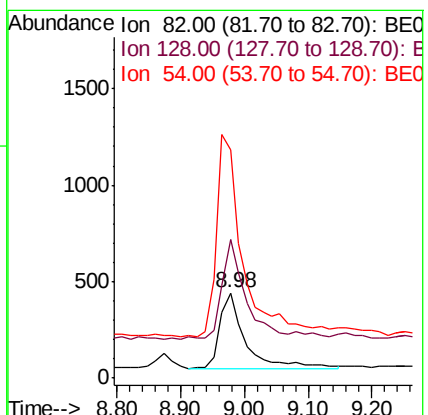
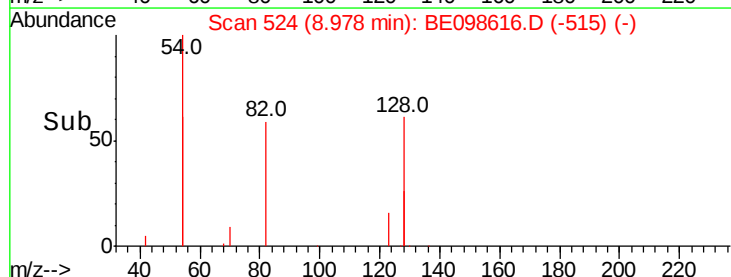
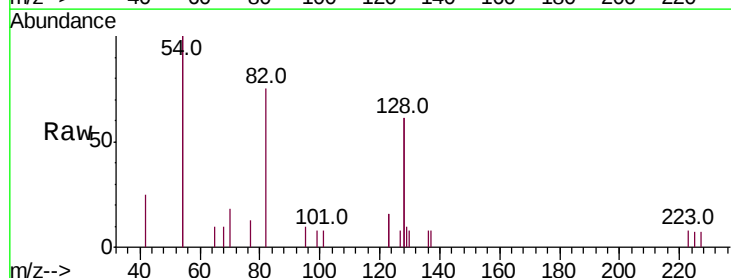
Tgt Ion: 82 Resp: 1129

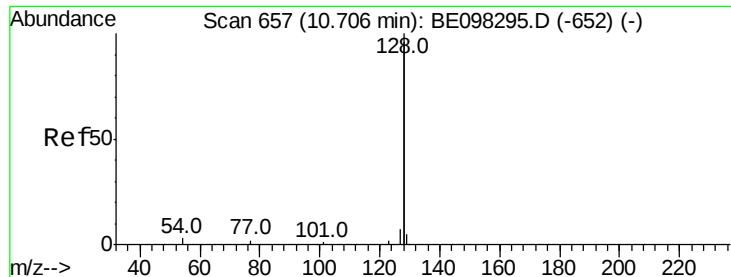
Ion Ratio Lower Upper

82 100

128 164.1 102.4 153.6#

54 268.2 221.8 332.8





#9

Naphthalene

Concen: 0.274 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

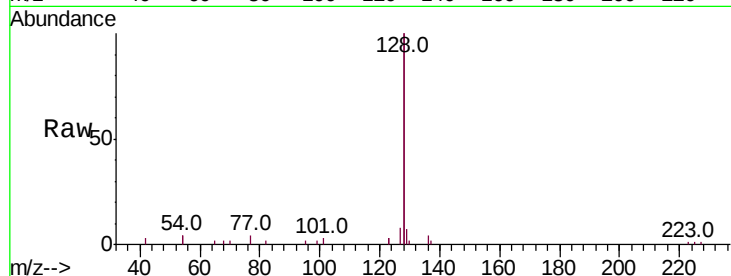
Tot Ion:128 Resp: 12779

Ion Ratio Lower Upper

128 100

129 3.4 2.5 3.7

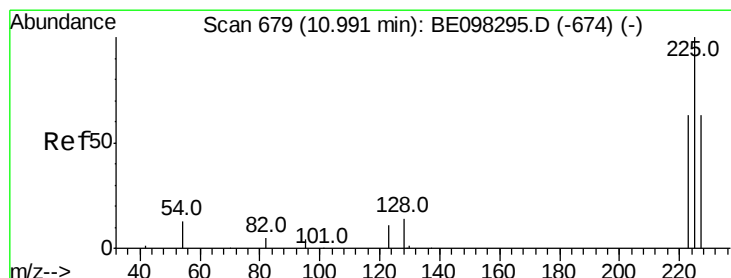
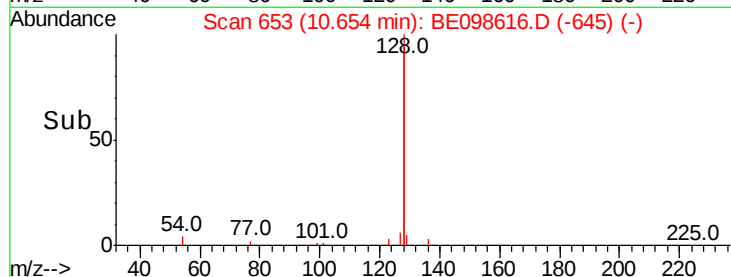
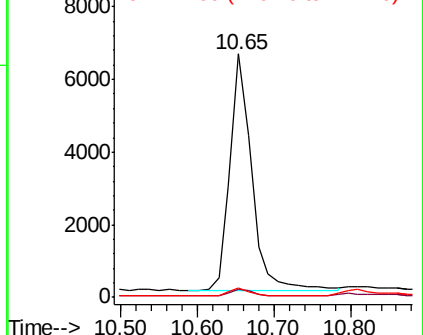
127 3.8 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.278 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

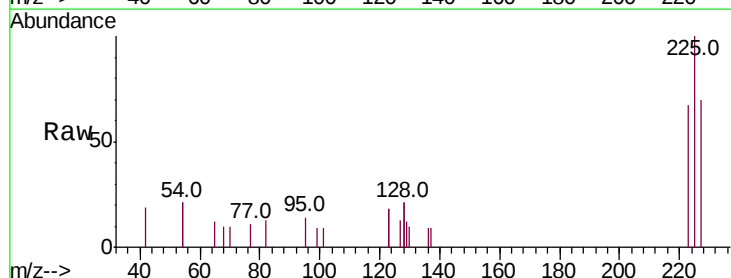
Tgt Ion:225 Resp: 824

Ion Ratio Lower Upper

225 100

223 62.1 49.4 74.0

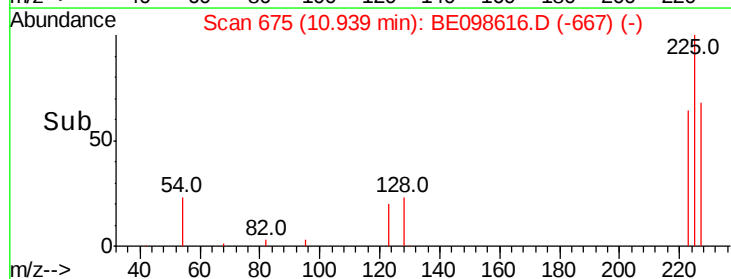
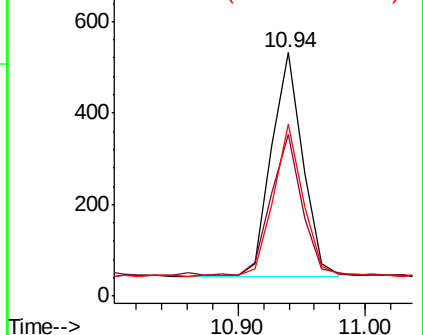
227 63.7 52.0 78.0

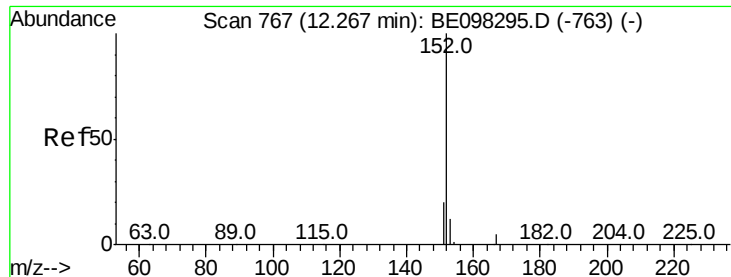


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

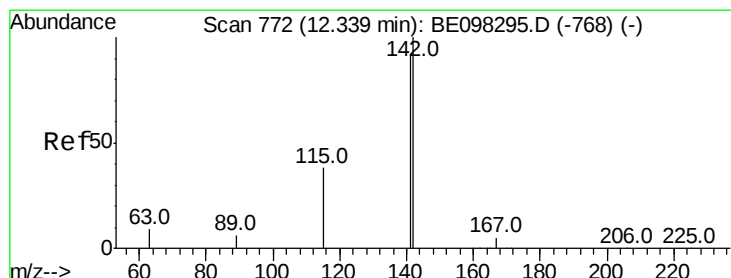
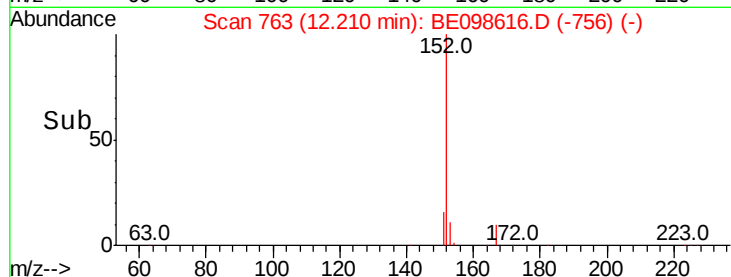
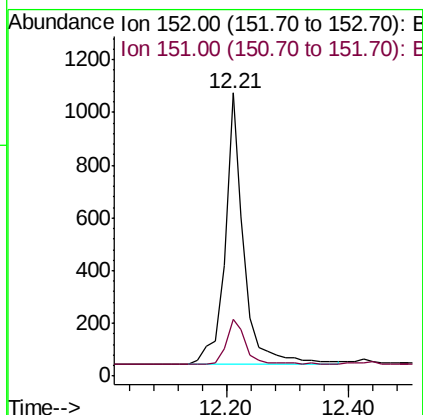
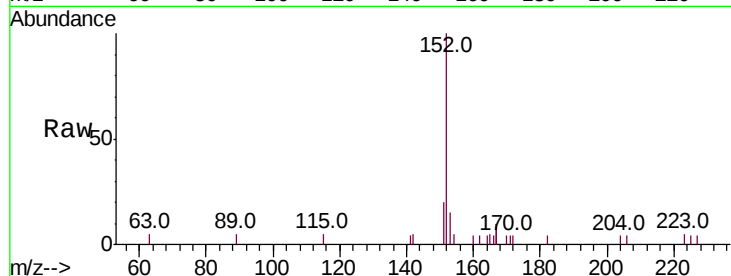




#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

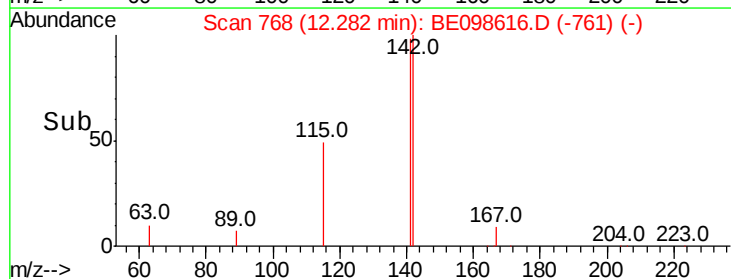
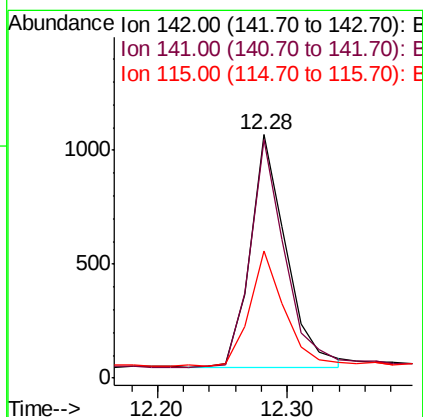
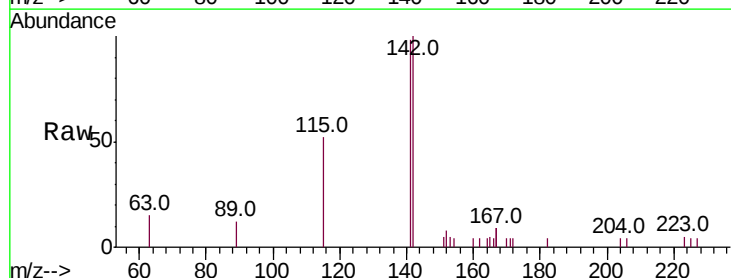
Instrument :
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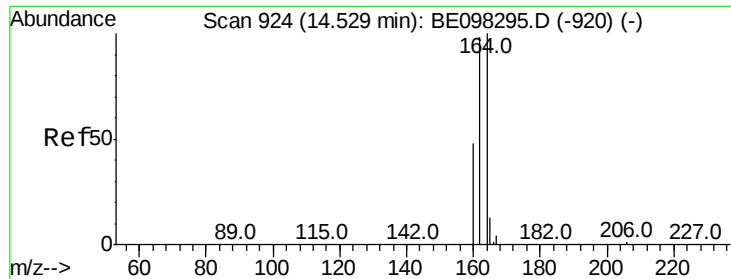
Tot Ion:152 Resp: 2177
Ion Ratio Lower Upper
152 100
151 18.8 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.260 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:142 Resp: 1972
Ion Ratio Lower Upper
142 100
141 98.1 71.0 106.6
115 52.0 32.2 48.2#

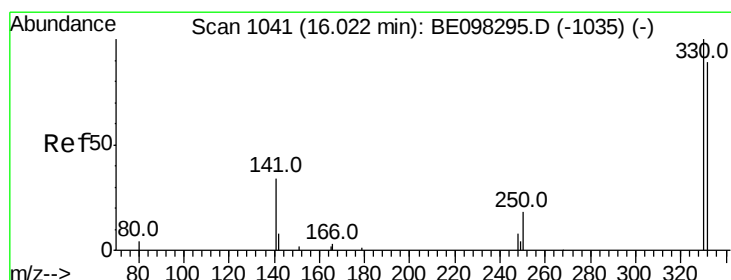
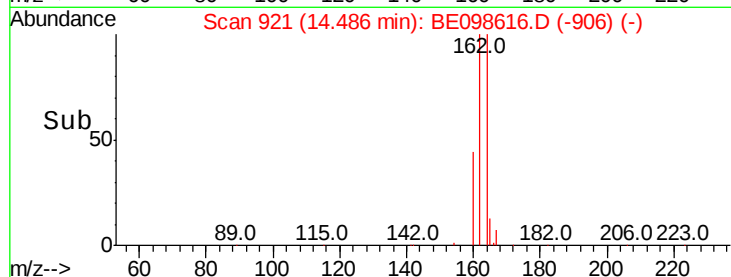
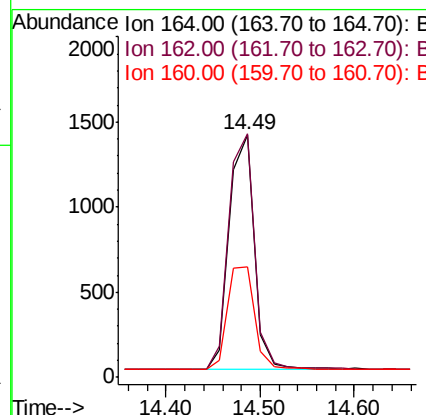
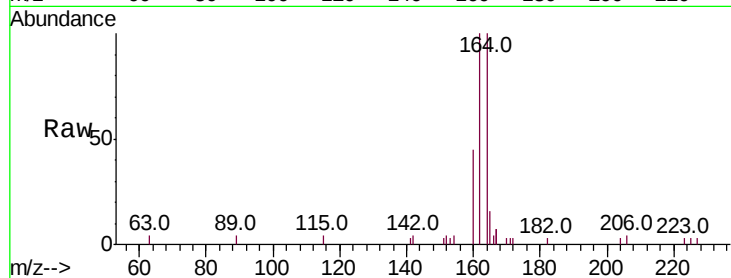




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

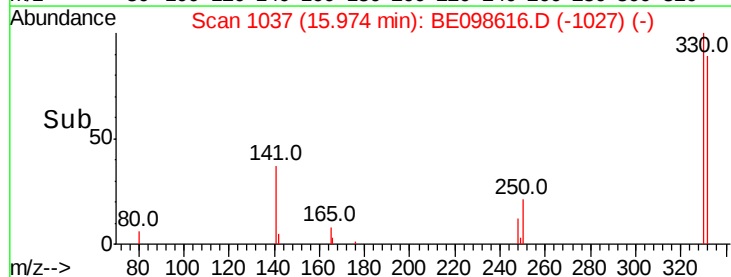
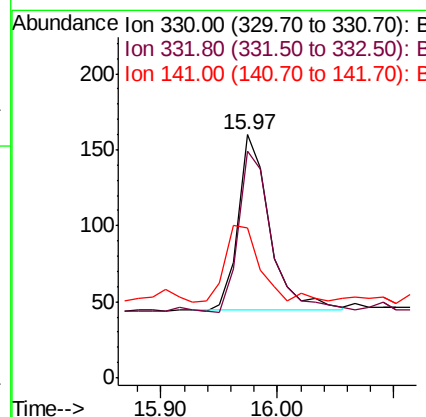
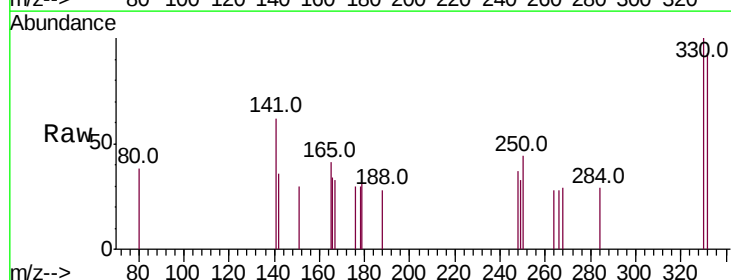
Instrument :
BNA_E
ClientSampleId :
PB116164BSD

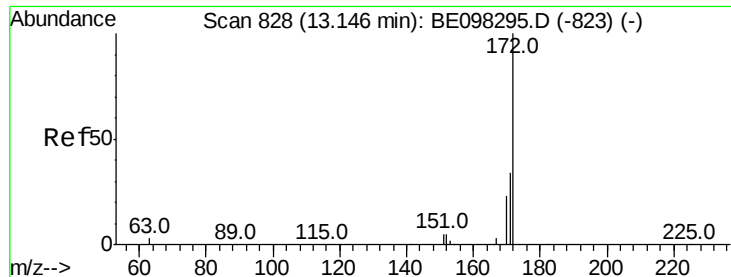
Tot Ion:164 Resp: 2546
Ion Ratio Lower Upper
164 100
162 100.2 77.6 116.4
160 45.4 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:330 Resp: 214
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 50.0 39.0 58.4

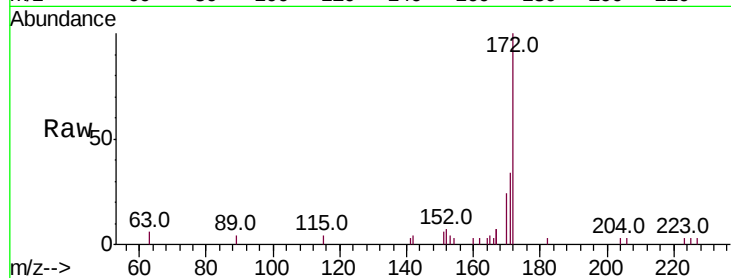




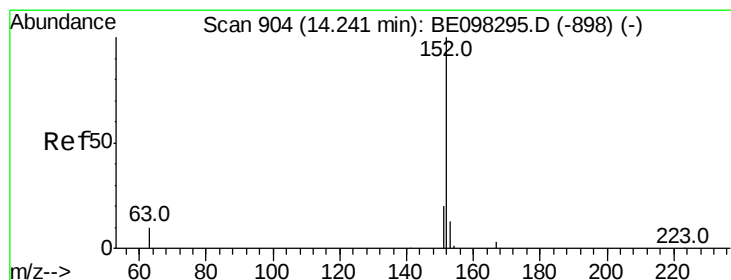
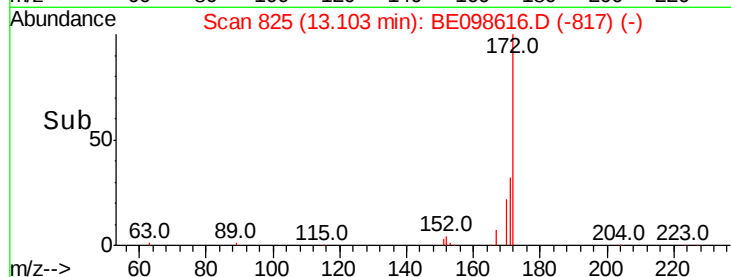
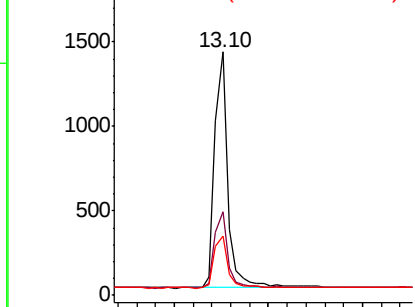
#15
2-Fluorobiphenyl
Concen: 0.251 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tot Ion:172 Resp: 2693
Ion Ratio Lower Upper
172 100
171 34.3 27.5 41.3
170 24.4 19.6 29.4

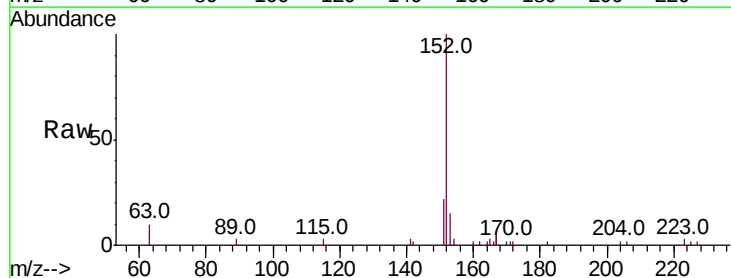


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

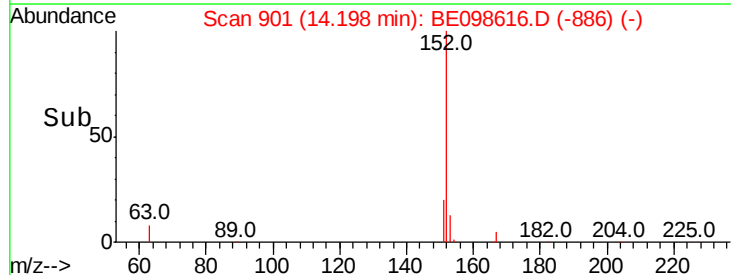
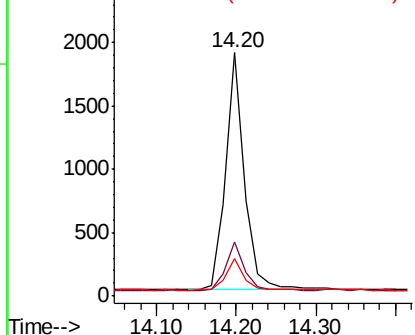


#16
Acenaphthylene
Concen: 0.257 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:152 Resp: 3071
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.0 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

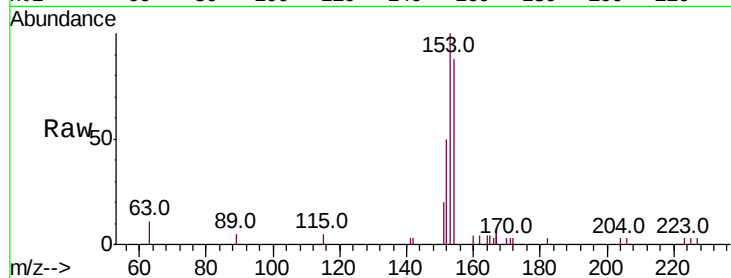




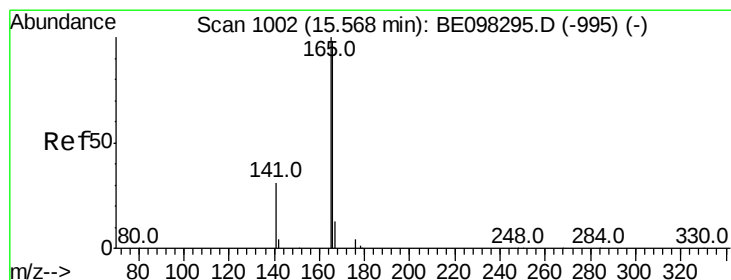
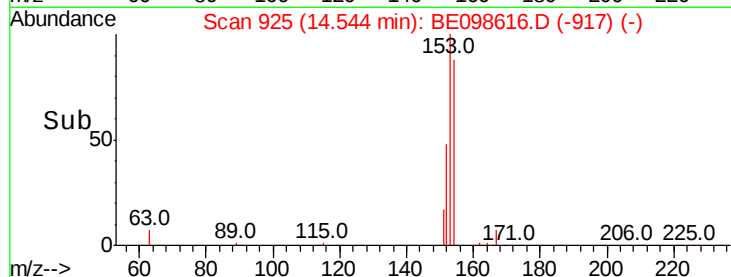
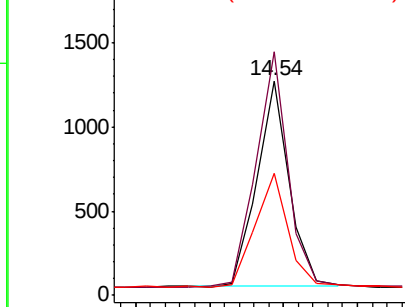
#17
Acenaphthene
Concen: 0.255 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tot Ion:154 Resp: 1824
Ion Ratio Lower Upper
154 100
153 114.2 91.8 137.6
152 56.5 45.5 68.3

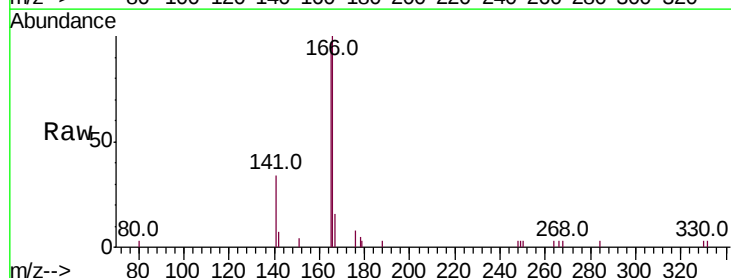


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

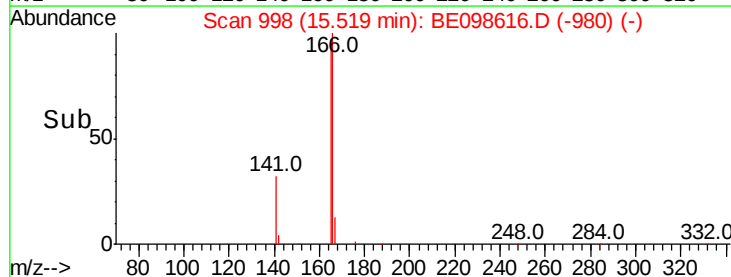
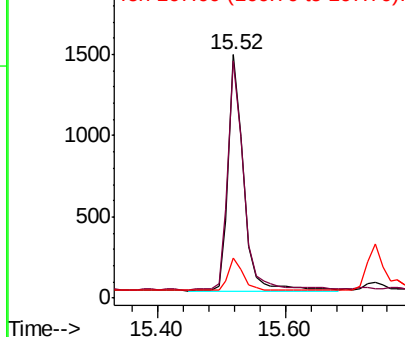


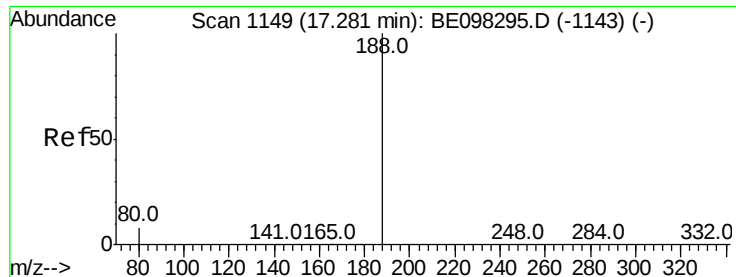
#18
Fluorene
Concen: 0.252 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:166 Resp: 2414
Ion Ratio Lower Upper
166 100
165 98.3 79.3 118.9
167 13.3 11.3 16.9



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: 17.23 min Scan# 1145

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

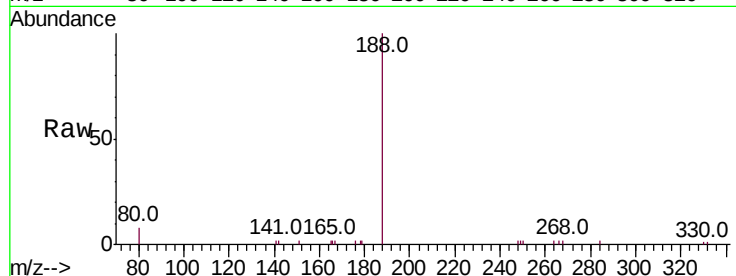
Tot Ion:188 Resp: 5463

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

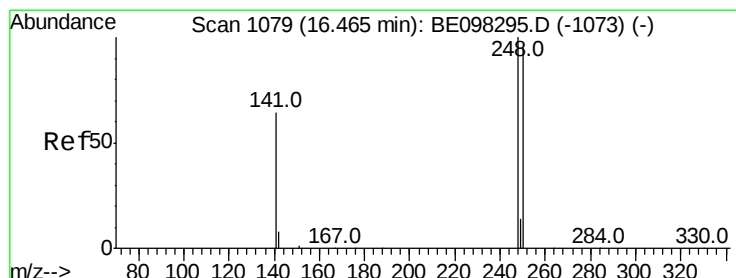
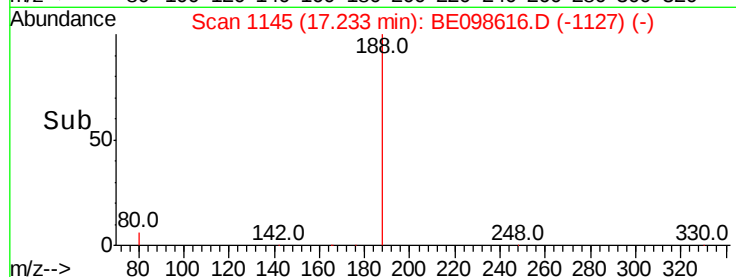
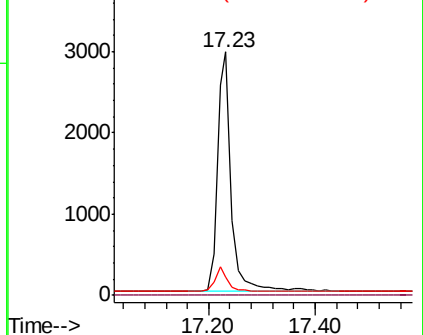
80 7.6 7.2 10.8



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: 0.255 ng

RT: 16.42 min Scan# 1075

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

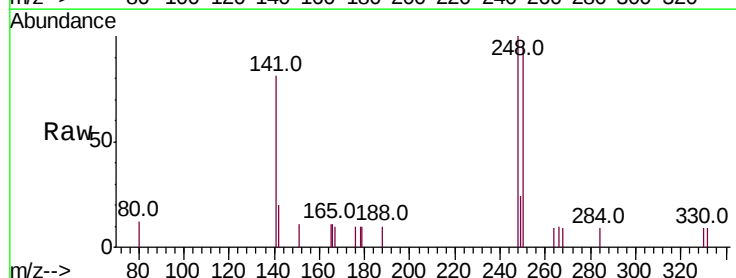
Tgt Ion:248 Resp: 751

Ion Ratio Lower Upper

248 100

250 94.7 71.0 106.6

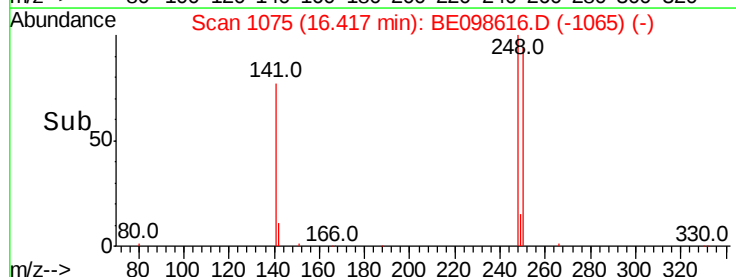
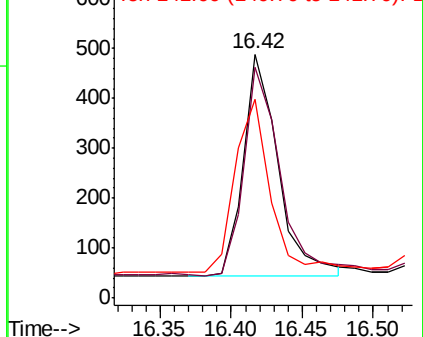
141 81.4 62.1 93.1

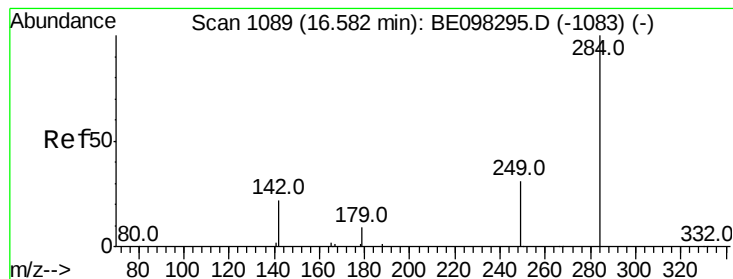


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.270 ng

RT: 16.53 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

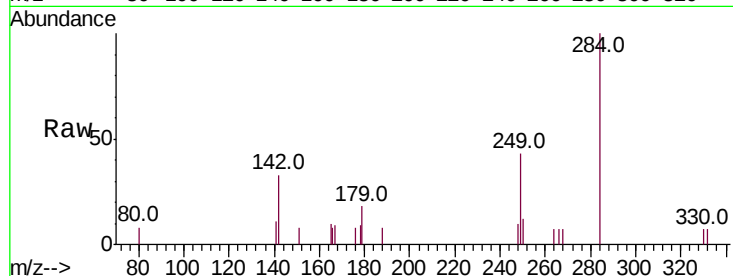
Tot Ion:284 Resp: 852

Ion Ratio Lower Upper

284 100

142 34.5 26.3 39.5

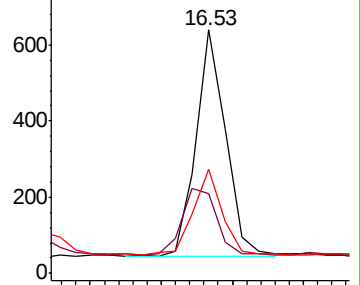
249 36.7 26.0 39.0



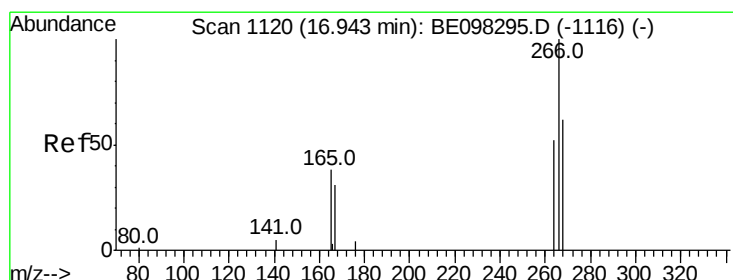
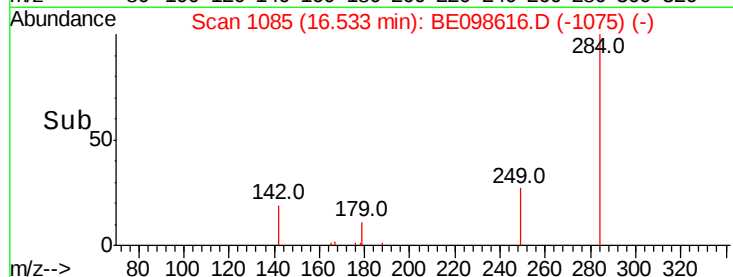
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.866 ng

RT: 16.89 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

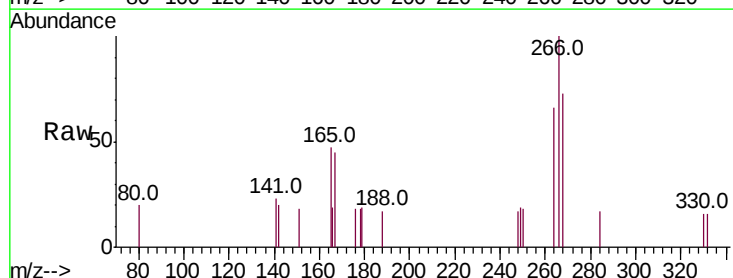
Tgt Ion:266 Resp: 511

Ion Ratio Lower Upper

266 100

264 66.3 59.0 88.4

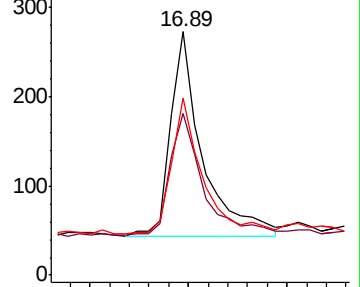
268 72.9 55.1 82.7



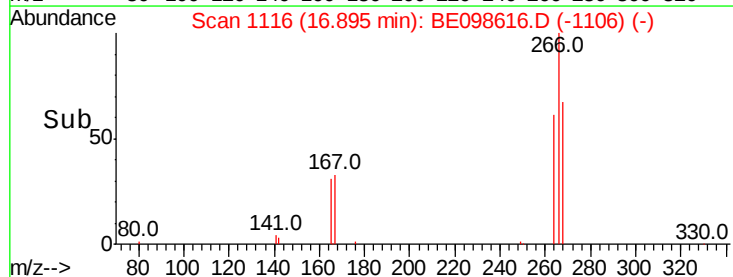
Abundance Ion 266.00 (265.70 to 266.70): E

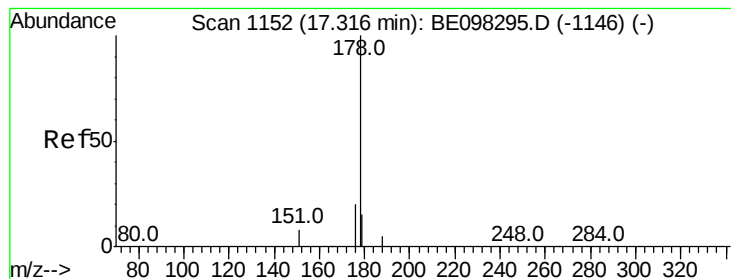
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.273 ng

RT: 17.27 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

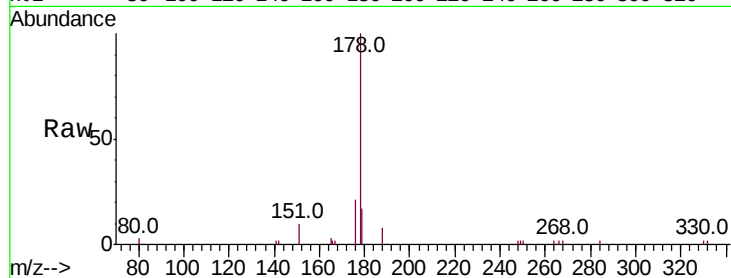
Tot Ion:178 Resp: 3619

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

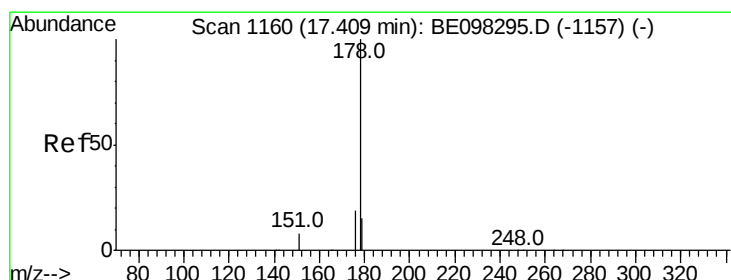
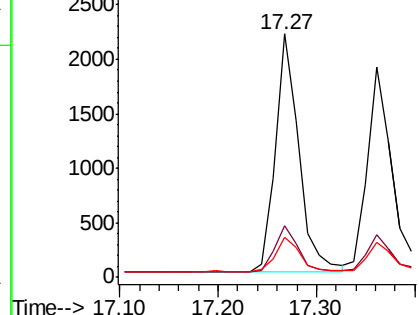
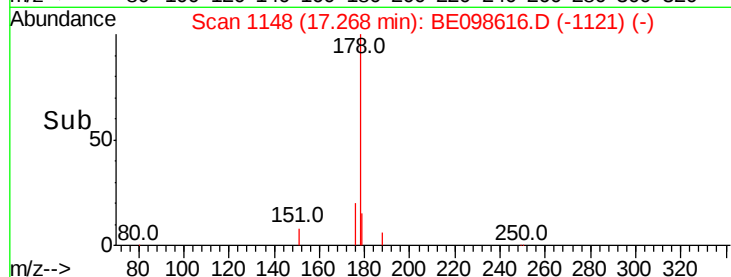
179 15.3 12.3 18.5



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: 0.262 ng

RT: 17.36 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

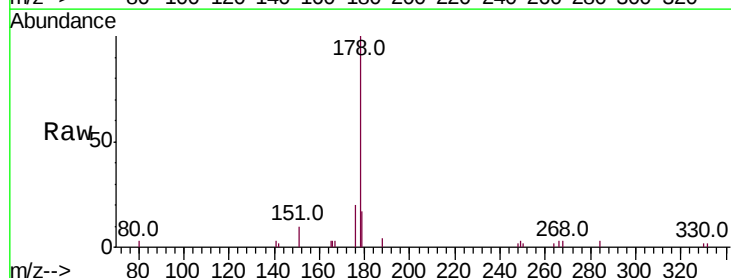
Tgt Ion:178 Resp: 3098

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

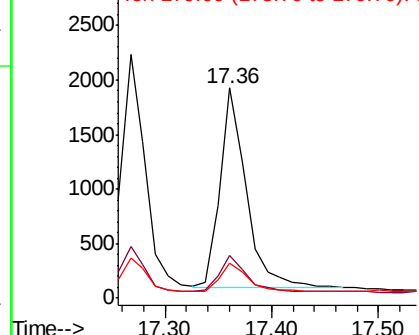
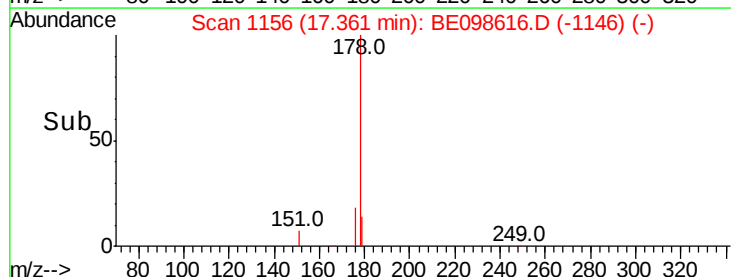
179 15.3 12.3 18.5

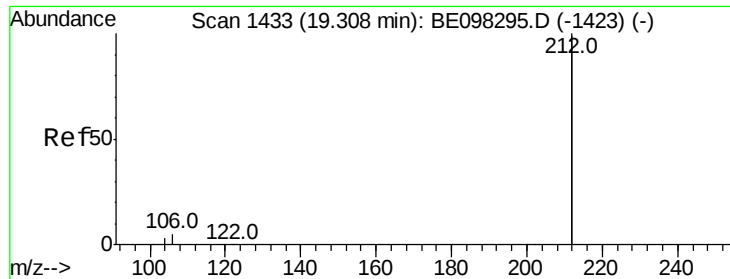


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.254 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

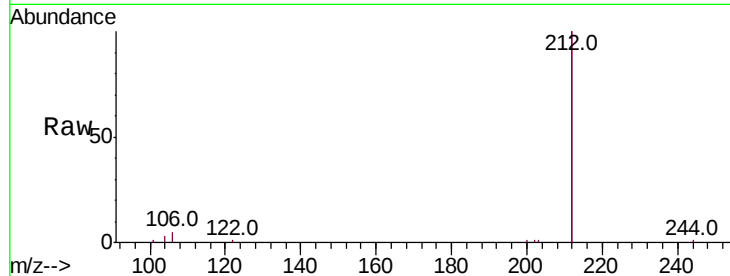
Tot Ion:212 Resp: 17788

Ion Ratio Lower Upper

212 100

106 2.3 2.2 3.2

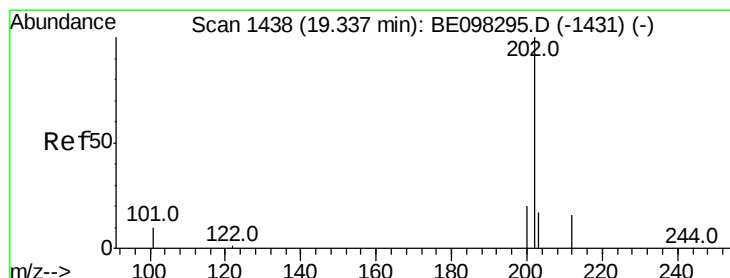
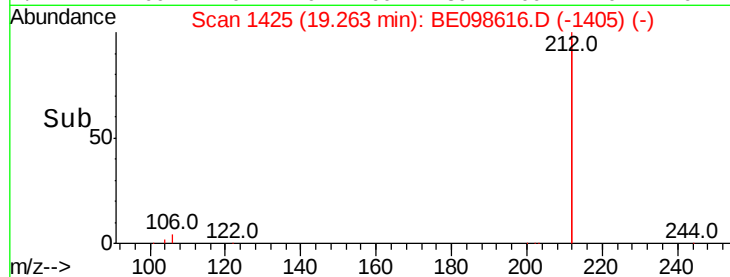
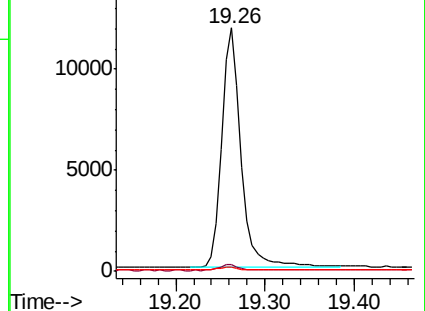
104 1.4 1.3 1.9



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: 0.254 ng

RT: 19.29 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

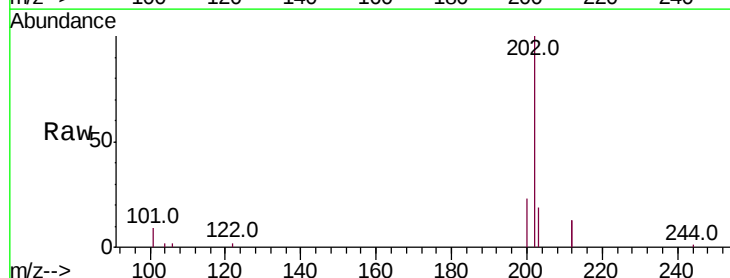
Tgt Ion:202 Resp: 4461

Ion Ratio Lower Upper

202 100

101 8.7 8.0 12.0

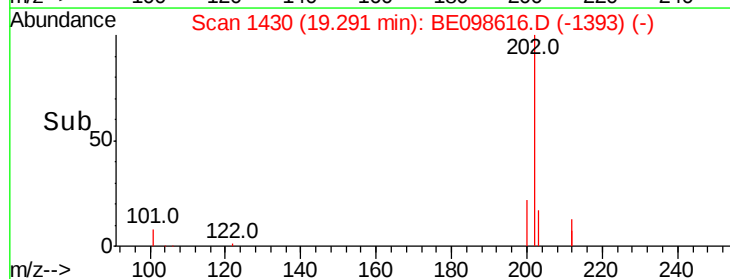
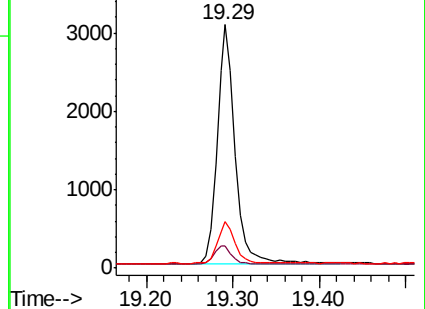
203 17.7 13.8 20.6



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: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

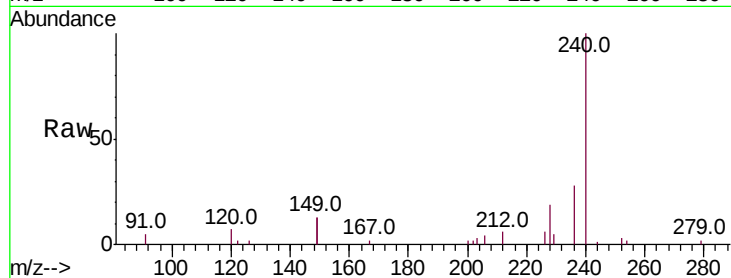
Tot Ion:240 Resp: 6508

Ion Ratio Lower Upper

240 100

120 6.8 9.5 14.3#

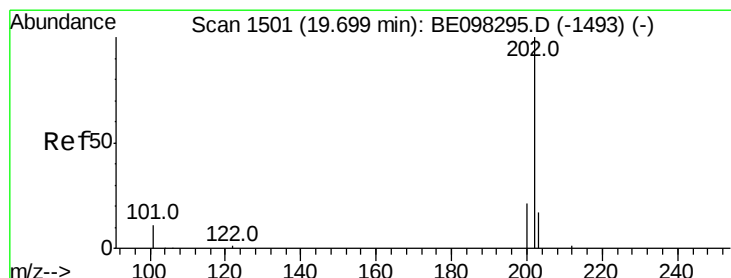
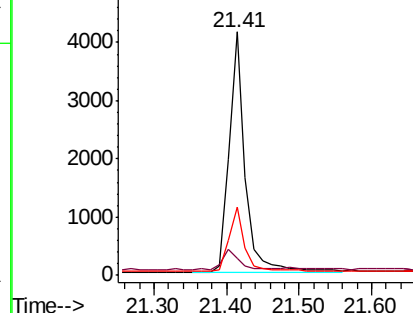
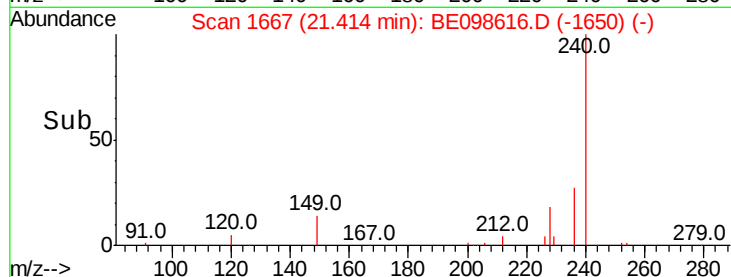
236 28.0 22.7 34.1



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: 0.222 ng

RT: 19.65 min Scan# 1493

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

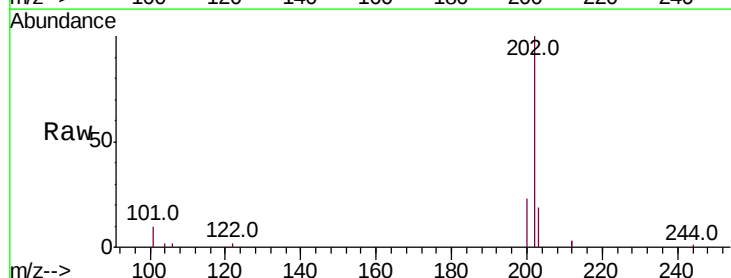
Tgt Ion:202 Resp: 4529

Ion Ratio Lower Upper

202 100

200 21.5 16.7 25.1

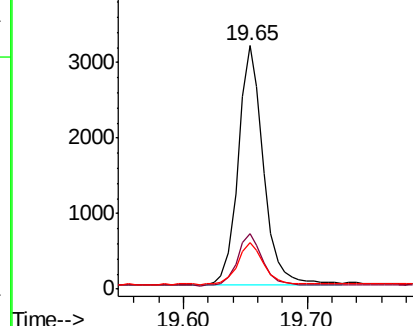
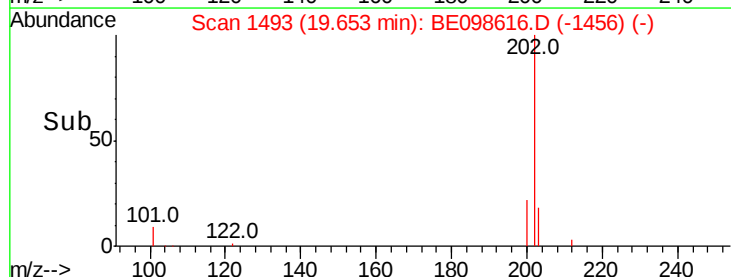
203 18.1 14.1 21.1



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: 0.231 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

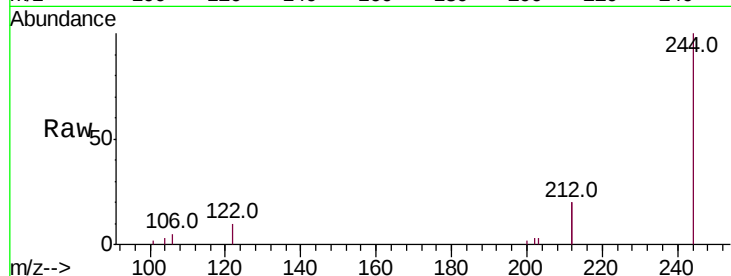
Tot Ion:244 Resp: 3660

Ion Ratio Lower Upper

244 100

212 40.5 27.4 41.0

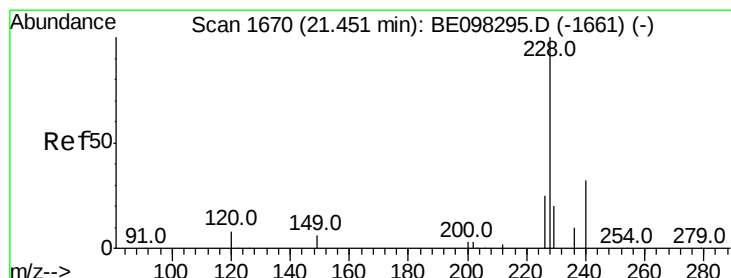
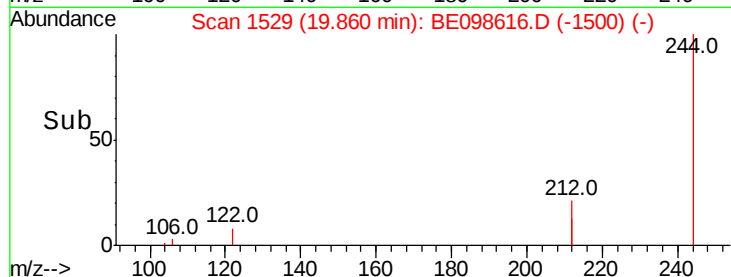
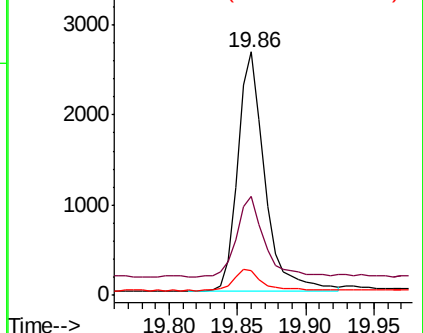
122 10.3 8.3 12.5



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: 0.274 ng

RT: 21.40 min Scan# 1666

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

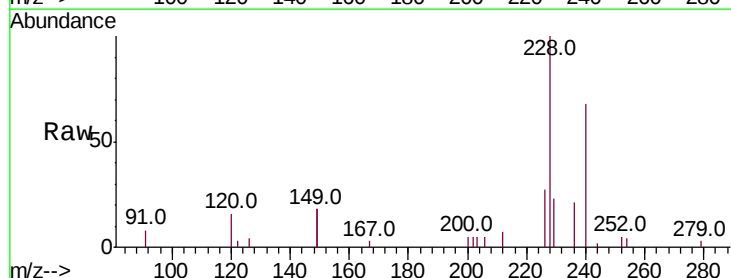
Tgt Ion:228 Resp: 5086

Ion Ratio Lower Upper

228 100

226 26.5 21.8 32.8

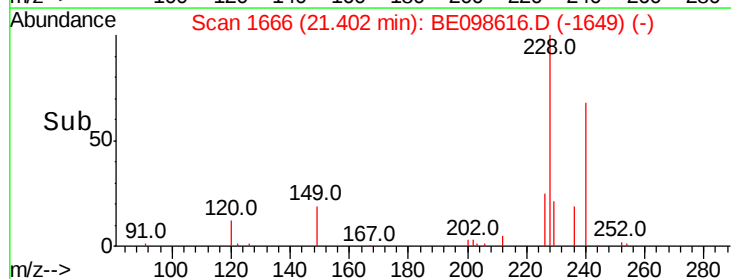
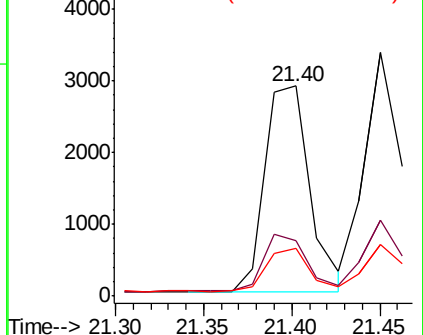
229 22.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.256 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

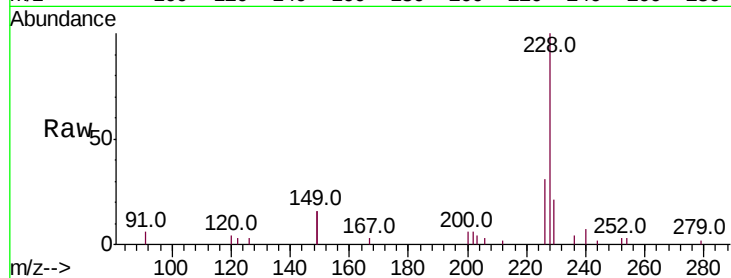
Tot Ion:228 Resp: 4967

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

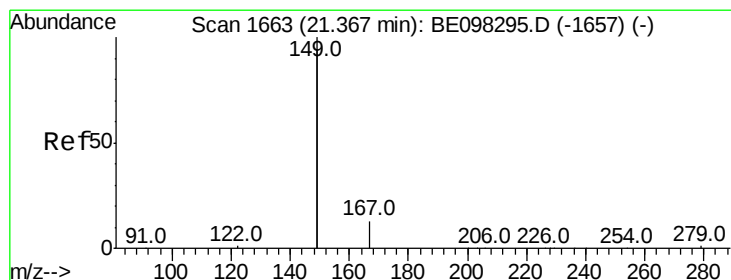
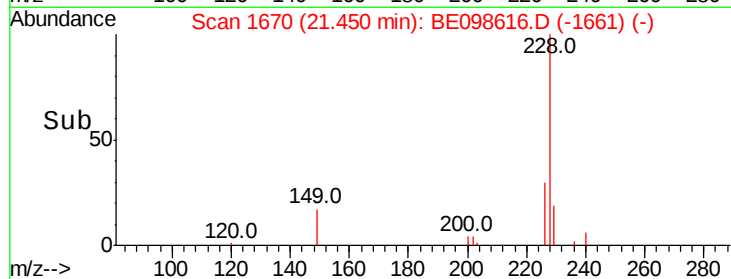
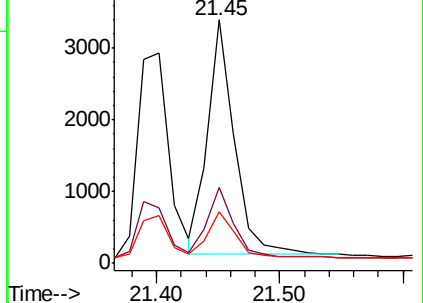
229 21.0 16.2 24.4



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: 0.276 ng

RT: 21.32 min Scan# 1659

Delta R.T. 0.01 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

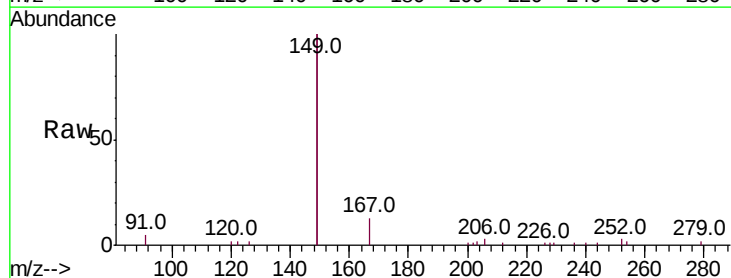
Tgt Ion:149 Resp: 10401

Ion Ratio Lower Upper

149 100

167 6.6 5.7 8.5

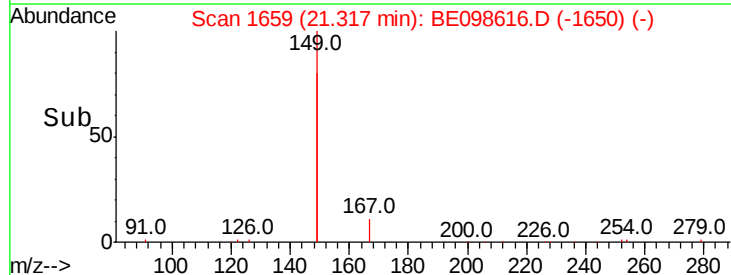
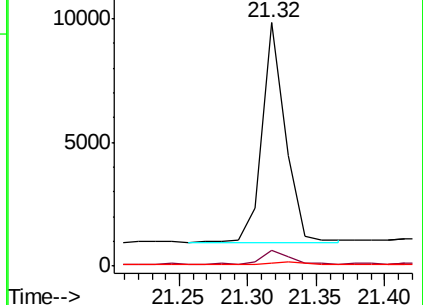
279 1.4 1.0 1.4

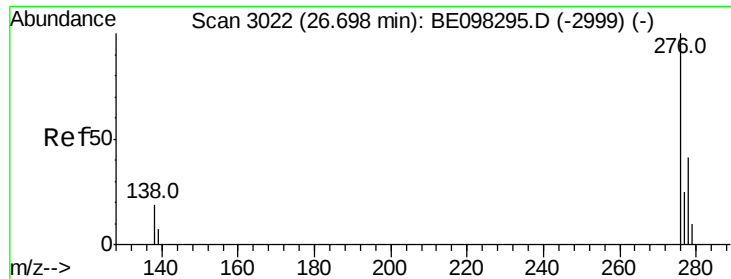


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.345 ng

RT: 26.58 min Scan# 2989

Delta R.T. -0.06 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

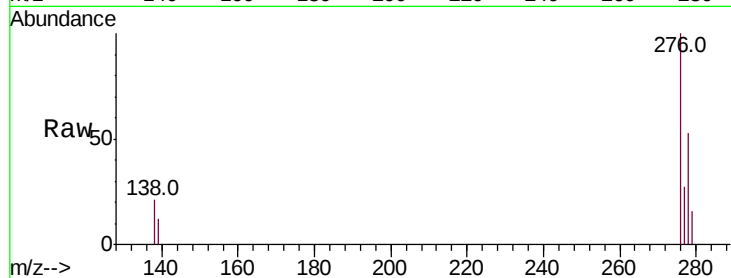
Tot Ion:276 Resp: 6665

Ion Ratio Lower Upper

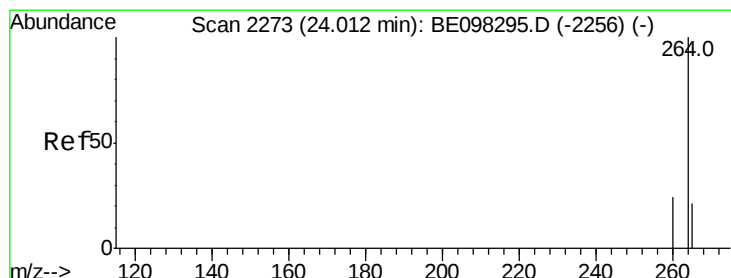
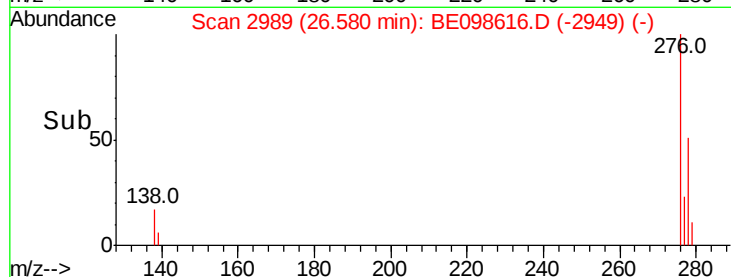
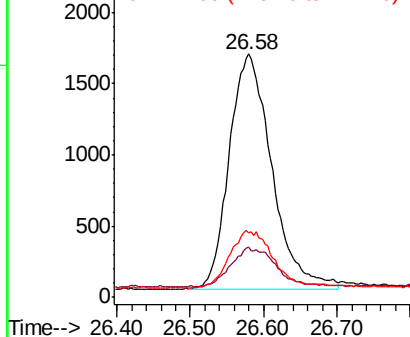
276 100

138 17.6 16.3 24.5

277 24.7 20.2 30.4



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: 23.93 min Scan# 2249

Delta R.T. -0.03 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

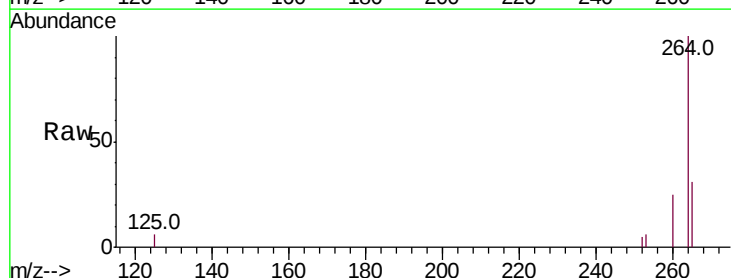
Tgt Ion:264 Resp: 7254

Ion Ratio Lower Upper

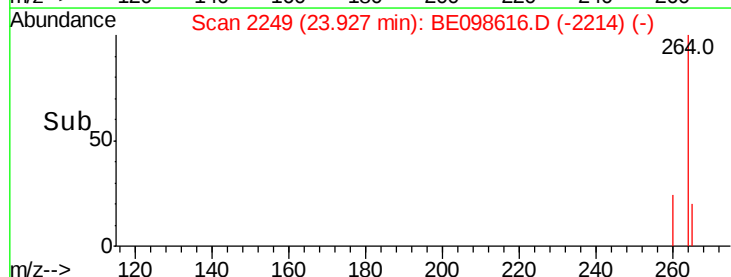
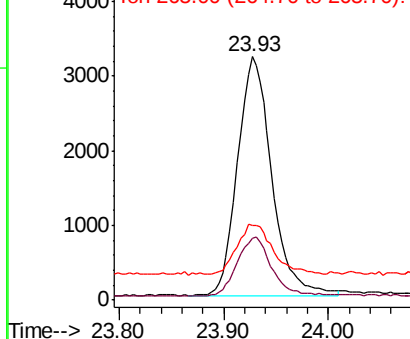
264 100

260 25.4 20.2 30.2

265 30.7 25.2 37.8



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

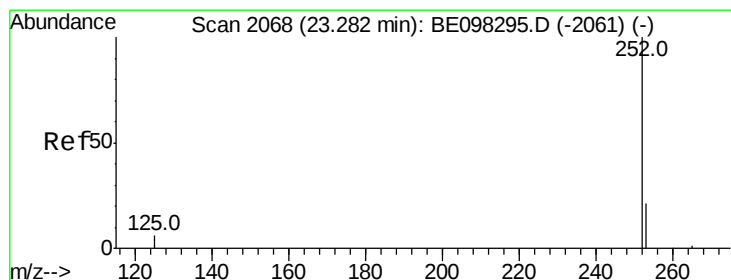
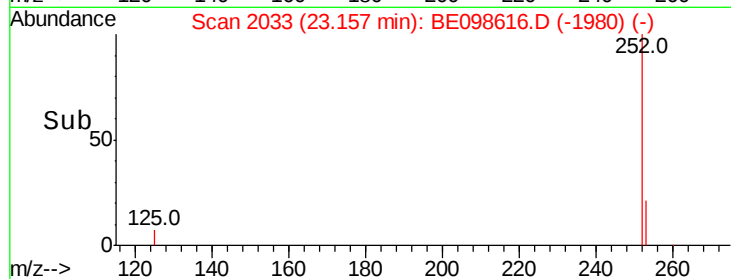
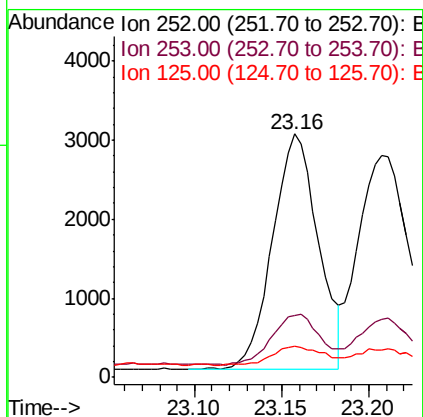
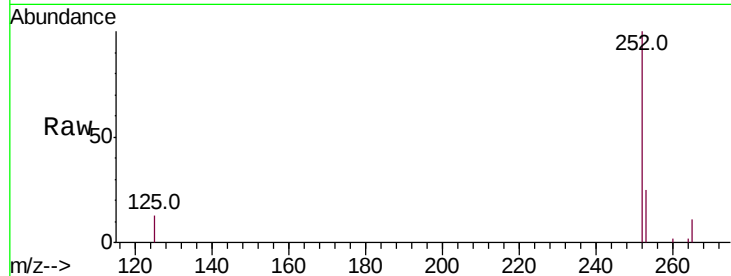




#35
Benzo(b)fluoranthene
Concen: 0.273 ng
RT: 23.16 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

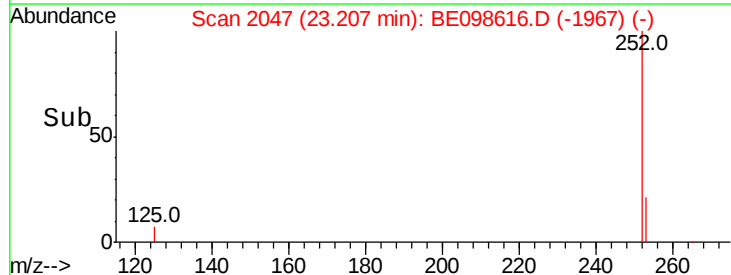
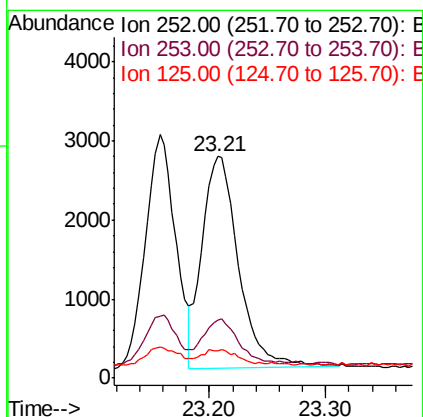
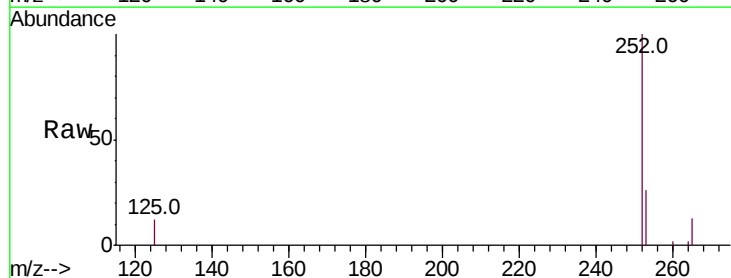
Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tot Ion:252 Resp: 5410
Ion Ratio Lower Upper
252 100
253 25.4 20.0 30.0
125 12.8 9.6 14.4



#36
Benzo(k)fluoranthene
Concen: 0.252 ng
RT: 23.21 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:252 Resp: 5820
Ion Ratio Lower Upper
252 100
253 26.3 19.0 28.6
125 12.1 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.269 ng

RT: 23.82 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

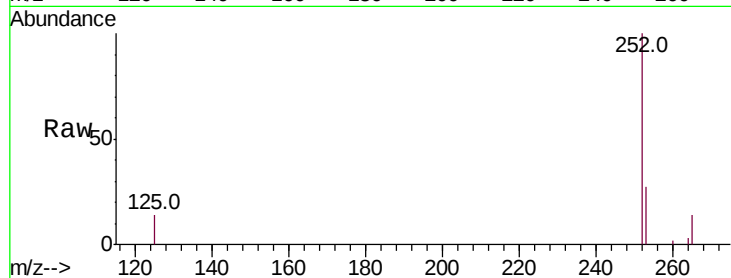
Tot Ion:252 Resp: 5510

Ion Ratio Lower Upper

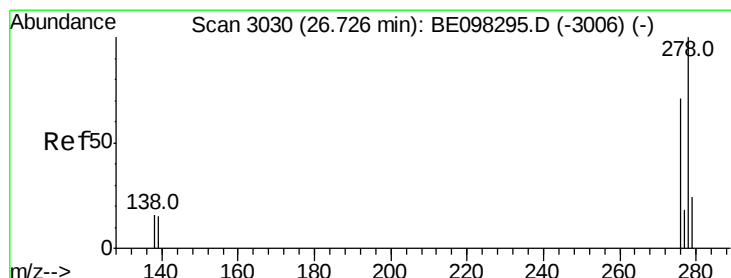
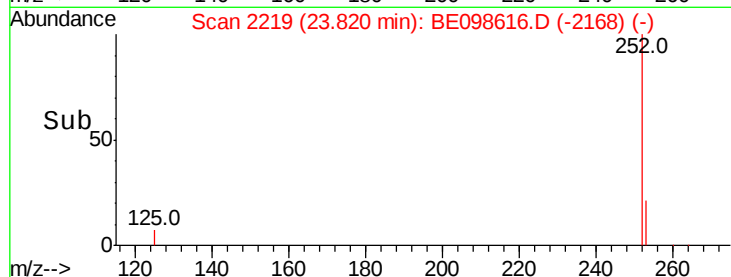
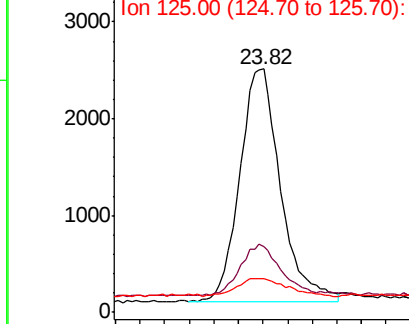
252 100

253 26.8 20.6 30.8

125 13.8 10.5 15.7



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: 0.282 ng

RT: 26.60 min Scan# 2996

Delta R.T. -0.06 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

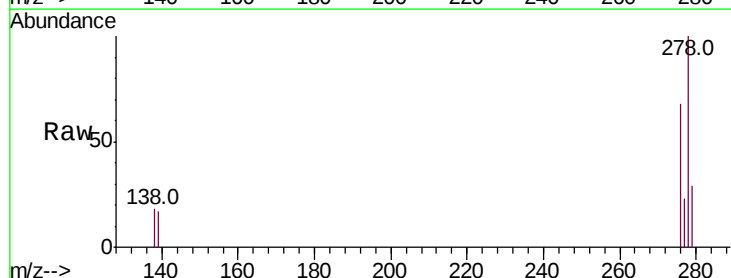
Tgt Ion:278 Resp: 5432

Ion Ratio Lower Upper

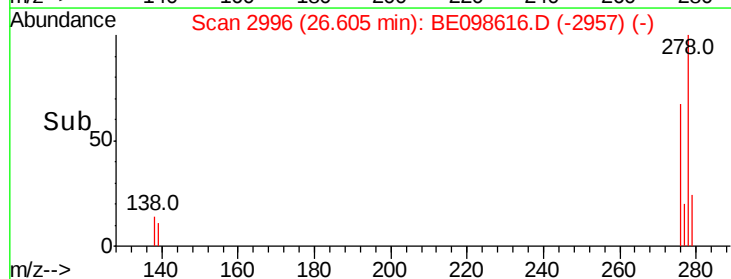
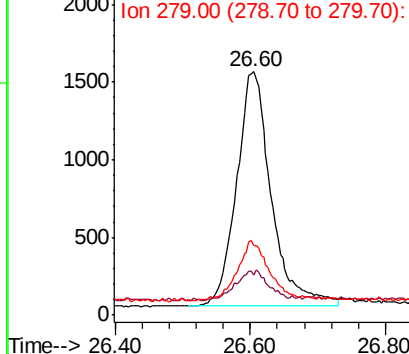
278 100

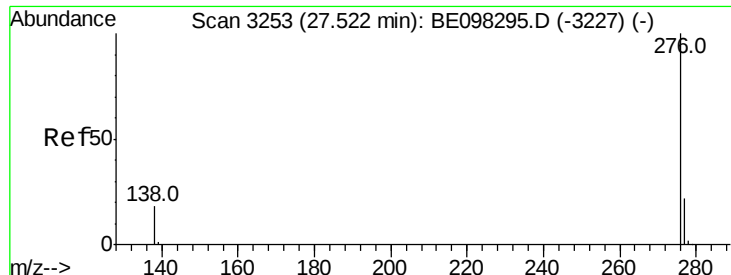
139 16.6 14.5 21.7

279 28.8 21.8 32.8



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: 0.295 ng

RT: 27.39 min Scan# 3216

Delta R.T. -0.07 min

Lab File: BE098616.D

Acq: 4 Jan 2019 15:37

Instrument :

BNA_E

ClientSampleId :

PB116164BSD

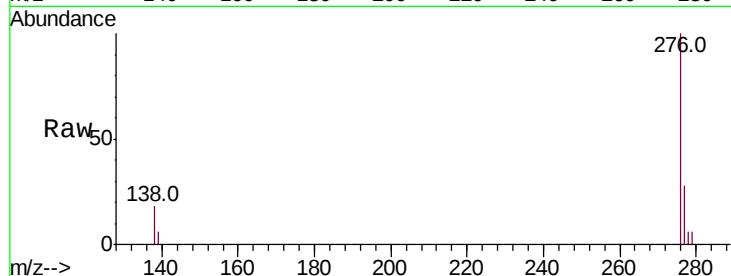
Tot Ion:276 Resp: 5736

Ion Ratio Lower Upper

276 100

277 27.5 20.8 31.2

138 17.9 15.8 23.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

