

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122018\
 Data File : BE098544.D
 Acq On : 20 Dec 2018 18:14
 Operator : SJ/JU
 Sample : PB115586BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB115586BSD

Quant Time: Dec 21 05:03:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	733	0.40	ng	-0.01
7) Naphthalene-d8	10.65	136	3447	0.40	ng	-0.01
13) Acenaphthene-d10	14.51	164	2542	0.40	ng	-0.01
19) Phenanthrene-d10	17.26	188	7118	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8967	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7092	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	693	0.40	ng	0.00
5) Phenol-d6	7.04	99	1071	0.44	ng	-0.01
8) Nitrobenzene-d5	9.02	82	1013	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2362	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	16.01	330	452	0.48	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	4034	0.38	ng	-0.01
25) Fluoranthene-d10	19.29	212	40388	0.44	ng	-0.02
29) Terphenyl-d14	19.89	244	8059	0.37	ng	-0.02

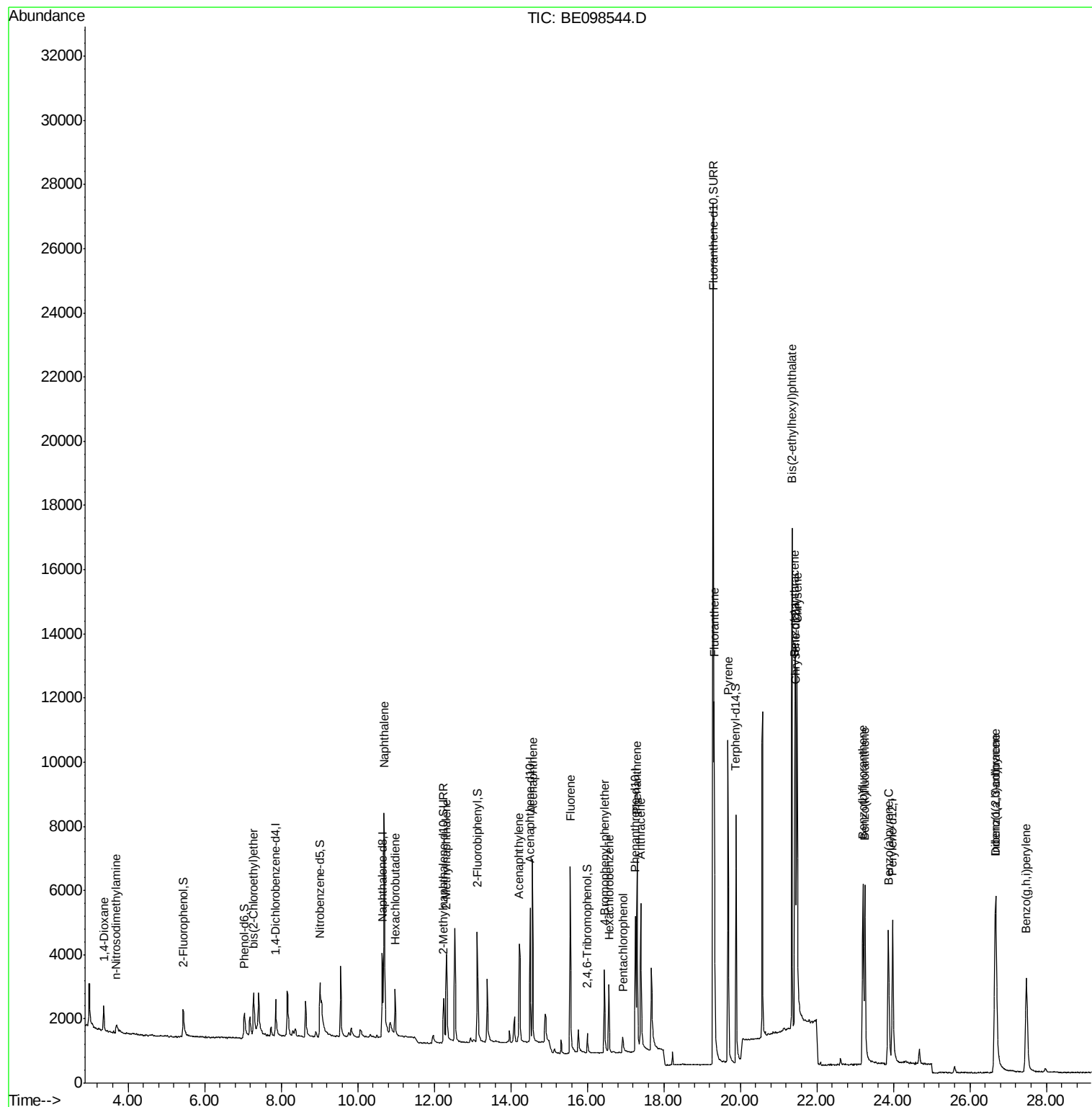
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	524	0.413	ng	92
3) n-Nitrosodimethylamine	3.70	42	382	0.335	ng	# 100
6) bis(2-Chloroethyl)ether	7.28	93	823	0.356	ng	90
9) Naphthalene	10.69	128	14348	0.414	ng	# 98
10) Hexachlorobutadiene	10.98	225	967	0.438	ng	96
12) 2-Methylnaphthalene	12.32	142	2331	0.414	ng	97
16) Acenaphthylene	14.23	152	4363	0.366	ng	99
17) Acenaphthene	14.57	154	2913	0.407	ng	100
18) Fluorene	15.56	166	3920	0.409	ng	99
20) 4-Bromophenyl-phenylether	16.45	248	1504	0.393	ng	87
21) Hexachlorobenzene	16.57	284	1727	0.419	ng	96
22) Pentachlorophenol	16.93	266	427	0.601	ng	95
23) Phenanthrene	17.30	178	7043	0.407	ng	98
24) Anthracene	17.40	178	5618	0.364	ng	99
26) Fluoranthene	19.32	202	9686	0.423	ng	99
28) Pyrene	19.68	202	10372	0.369	ng	99
30) Benzo(a)anthracene	21.43	228	10258	0.402	ng	99
31) Chrysene	21.49	228	10609	0.397	ng	99
32) Bis(2-ethylhexyl)phthalate	21.35	149	19004	0.366	ng	99
33) Indeno(1,2,3-cd)pyrene	26.66	276	9282	0.349	ng	99
35) Benzo(b)fluoranthene	23.20	252	8278	0.427	ng	97
36) Benzo(k)fluoranthene	23.26	252	9491	0.420	ng	98
37) Benzo(a)pyrene	23.87	252	8350	0.417	ng	98
38) Dibenzo(a,h)anthracene	26.68	278	7834	0.416	ng	97
39) Benzo(g,h,i)perylene	27.48	276	7952	0.419	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: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

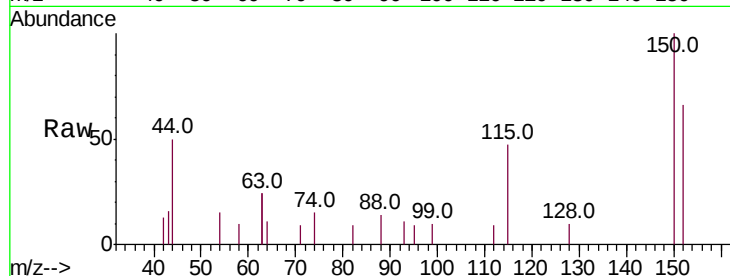
Tot Ion:152 Resp: 733

Ion Ratio Lower Upper

152 100

150 152.2 124.2 186.4

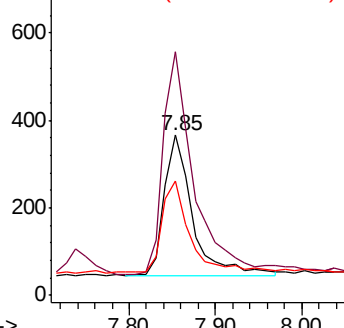
115 71.6 53.9 80.9



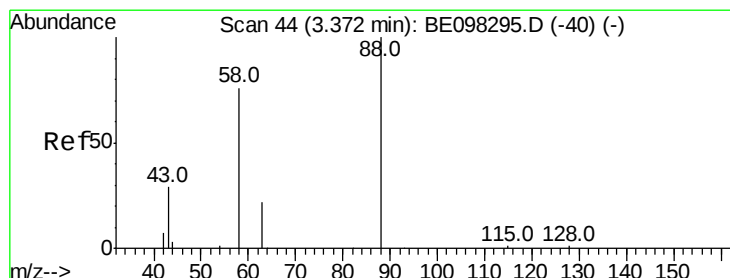
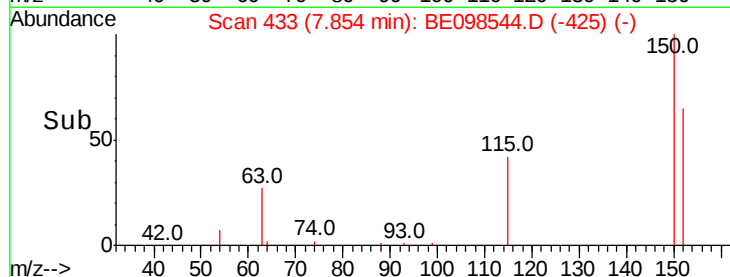
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.413 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

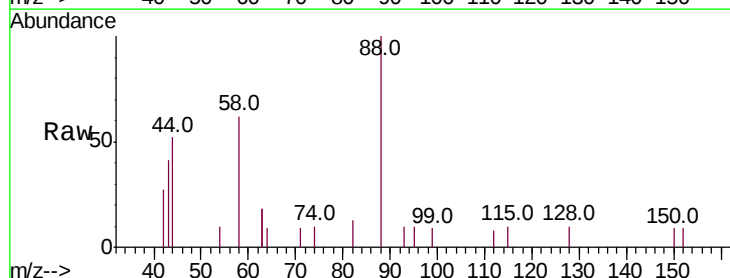
Tgt Ion: 88 Resp: 524

Ion Ratio Lower Upper

88 100

58 102.7 75.0 112.6

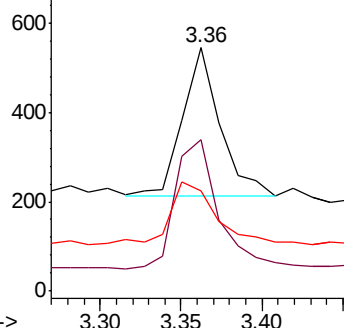
43 51.9 38.3 57.5



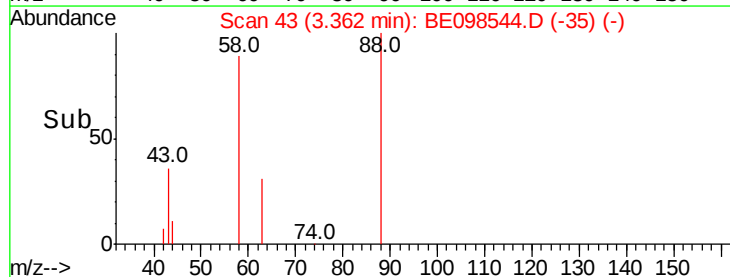
Abundance Ion 88.00 (87.70 to 88.70): BE0

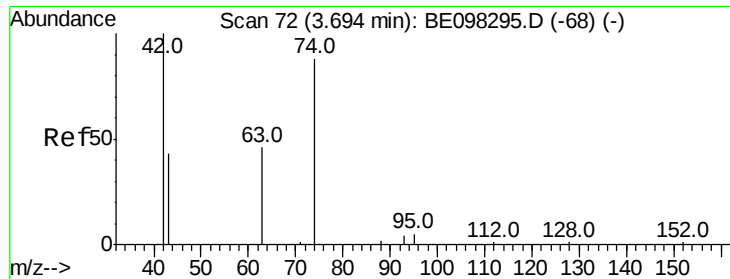
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



Time-->





#3

n-Nitrosodimethylamine

Concen: 0.335 ng

RT: 3.70 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

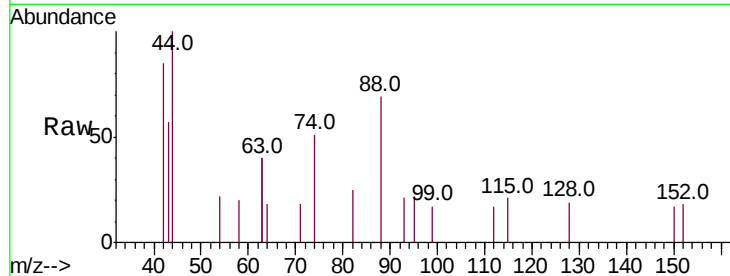
Tot Ion: 42 Resp: 382

Ion Ratio Lower Upper

42 100

74 71.5 0.0 0.0#

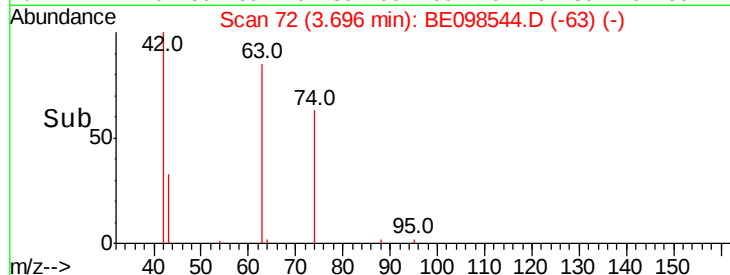
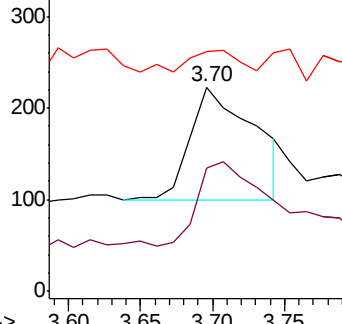
44 14.1 0.0 0.0#



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: 0.404 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

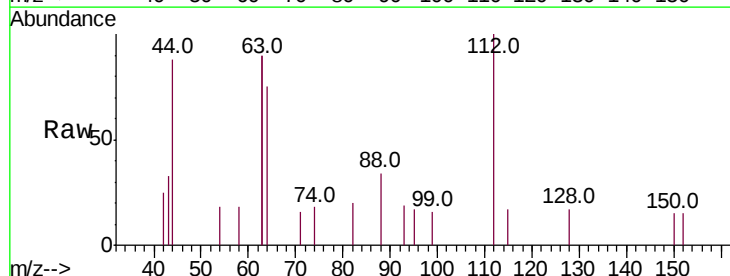
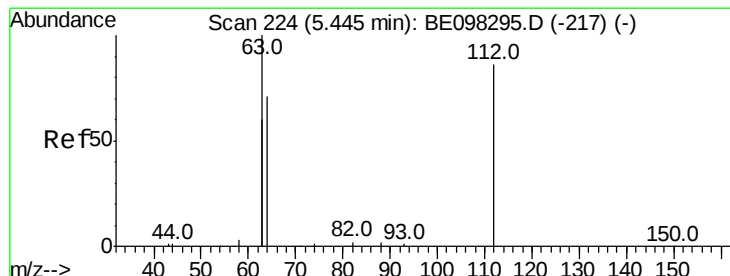
Tgt Ion: 112 Resp: 693

Ion Ratio Lower Upper

112 100

64 88.0 59.8 89.8

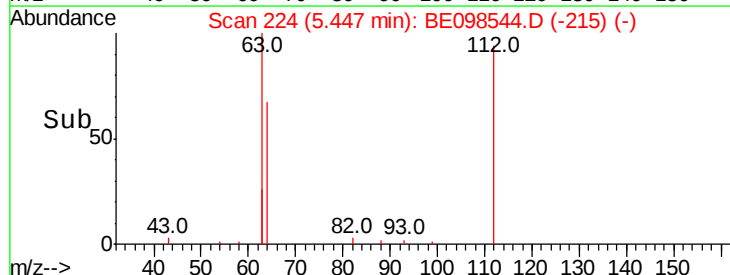
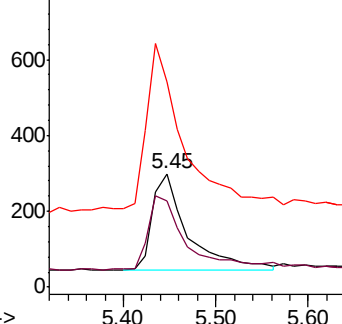
63 180.1 133.7 200.5



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: 0.441 ng

RT: 7.04 min Scan# 362

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

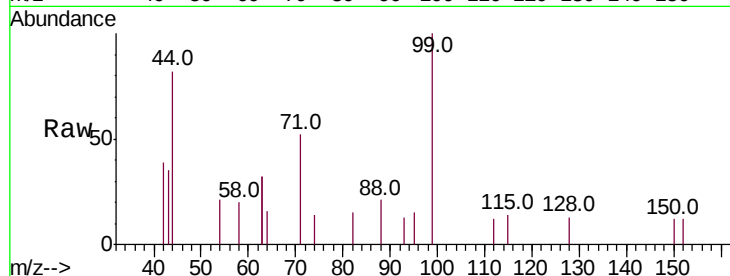
Tot Ion: 99 Resp: 1071

Ion Ratio Lower Upper

99 100

42 32.5 26.3 39.5

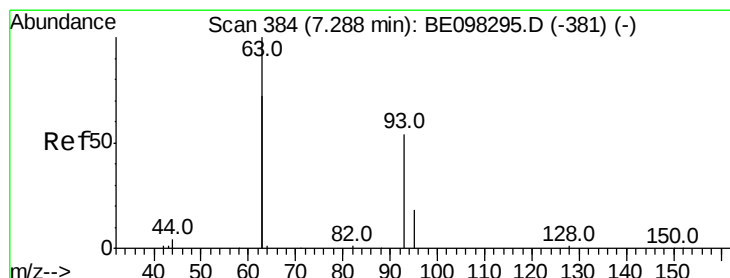
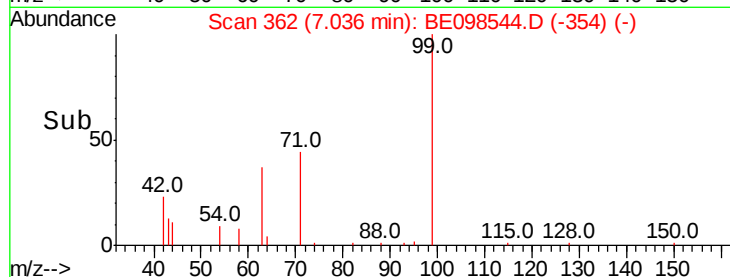
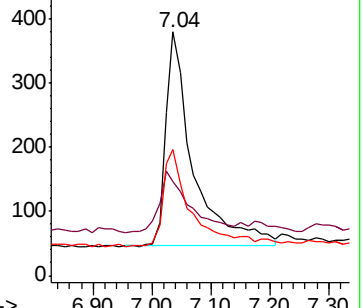
71 45.0 33.6 50.4



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



#6

bis(2-Chloroethyl)ether

Concen: 0.356 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

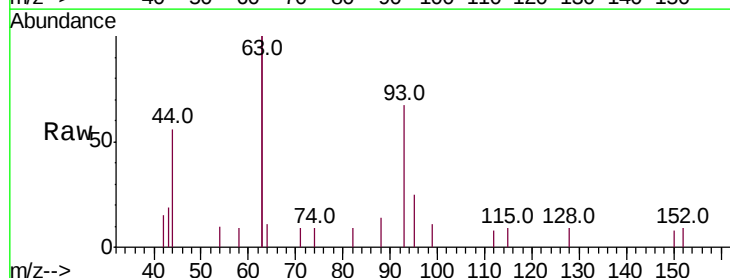
Tgt Ion: 93 Resp: 823

Ion Ratio Lower Upper

93 100

63 309.0 264.4 396.6

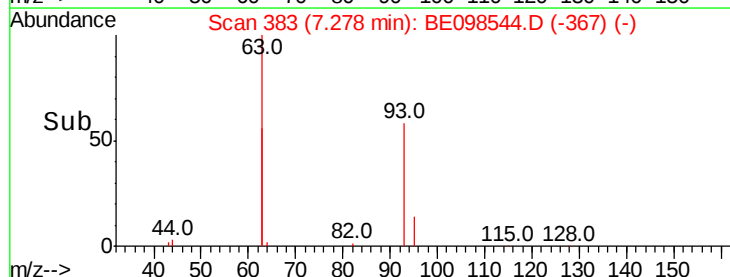
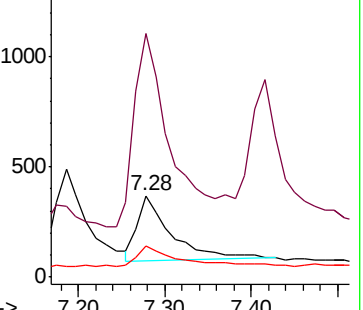
95 35.1 26.6 40.0

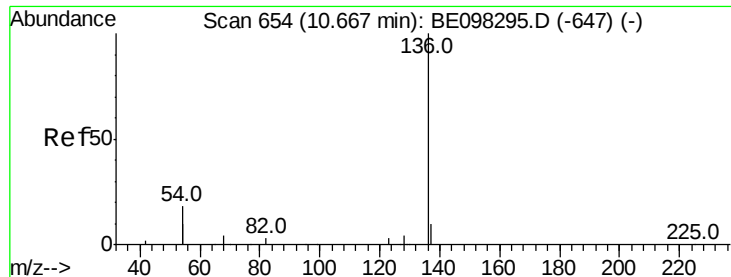


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

Tot Ion:136 Resp: 3447

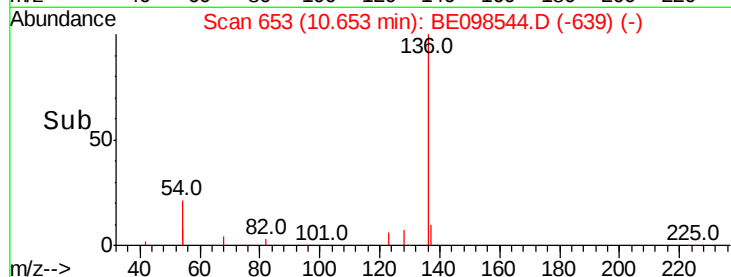
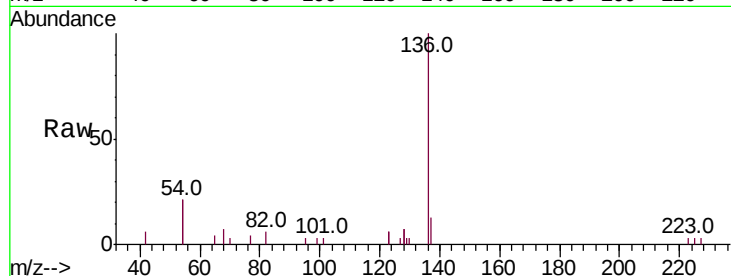
Ion Ratio Lower Upper

136 100

137 12.6 9.2 13.8

54 41.7 28.4 42.6

68 7.3 5.4 8.0

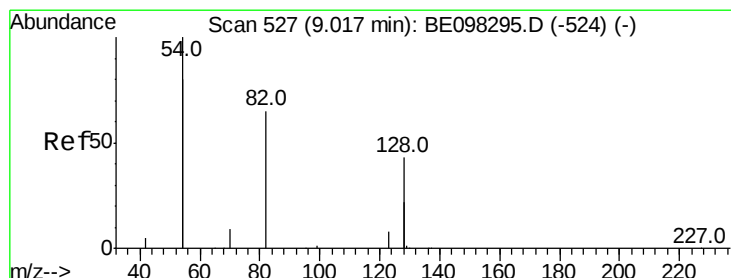
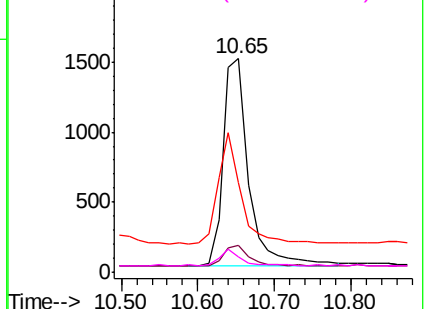


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.323 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

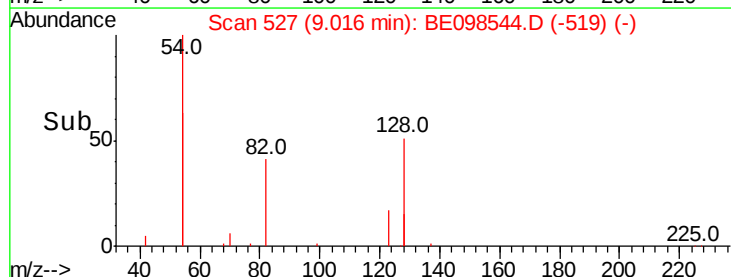
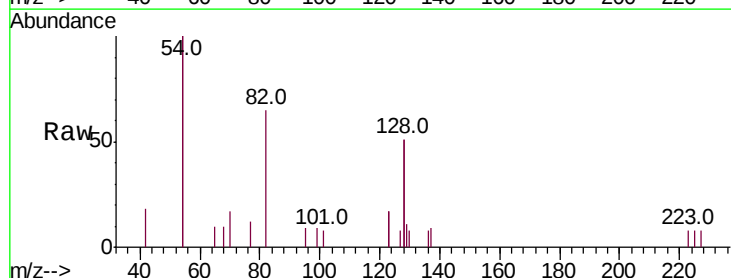
Tgt Ion: 82 Resp: 1013

Ion Ratio Lower Upper

82 100

128 158.2 102.4 153.6#

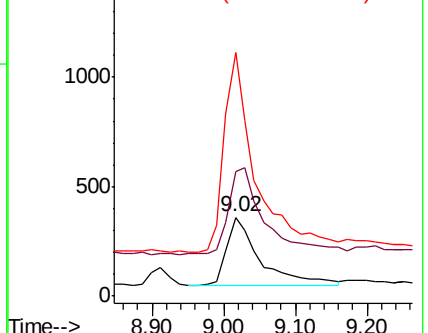
54 309.7 221.8 332.8

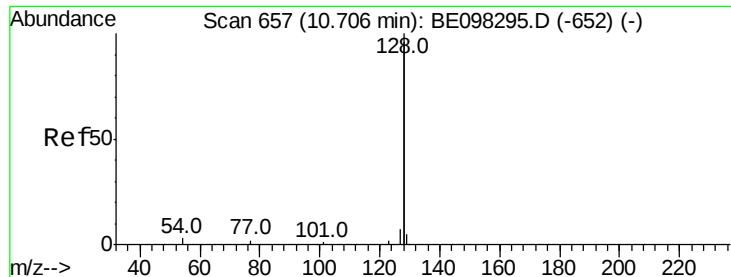


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.414 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

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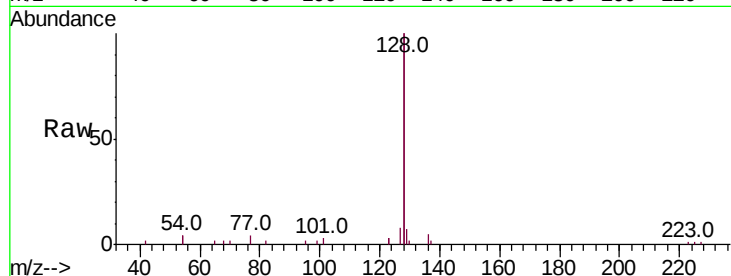
Tot Ion:128 Resp: 14348

Ion Ratio Lower Upper

128 100

129 3.5 2.5 3.7

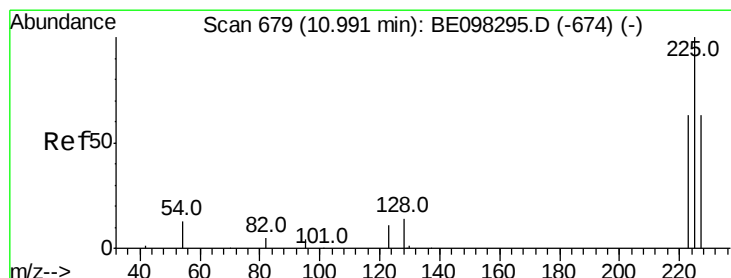
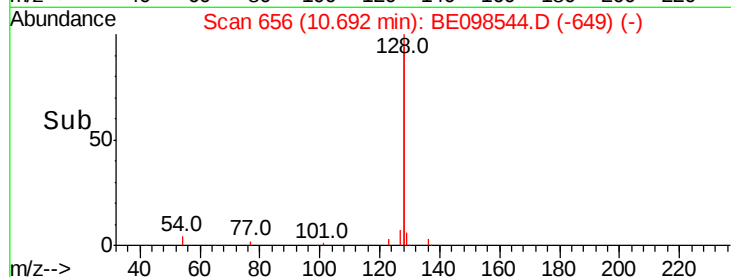
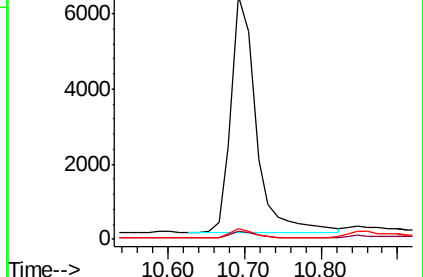
127 4.1 2.7 4.1#



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: 0.438 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

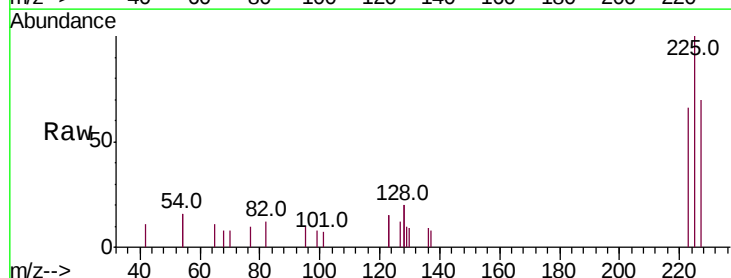
Tgt Ion:225 Resp: 967

Ion Ratio Lower Upper

225 100

223 64.8 49.4 74.0

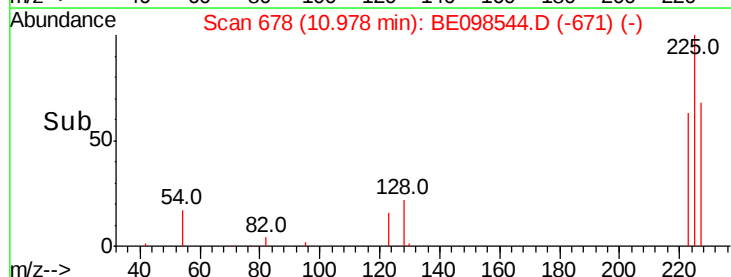
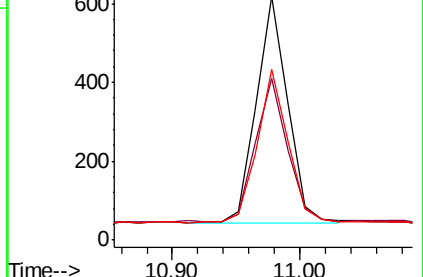
227 67.4 52.0 78.0

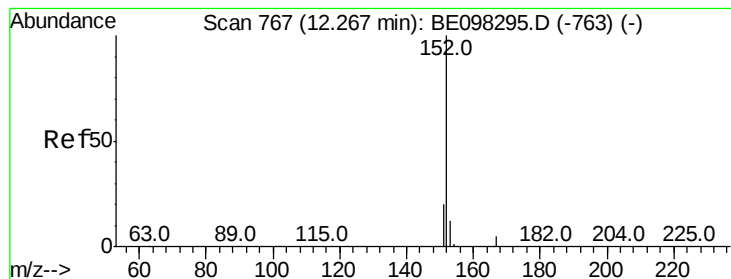


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.421 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

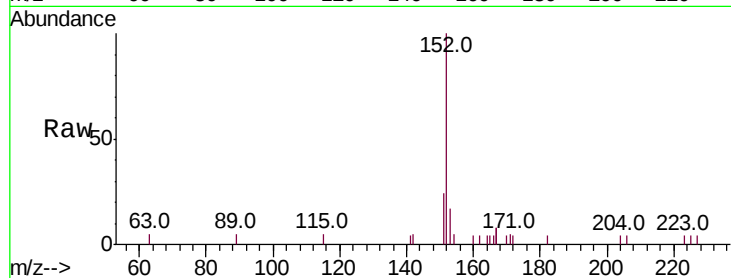
PB115586BSD

Tot Ion:152 Resp: 2362

Ion Ratio Lower Upper

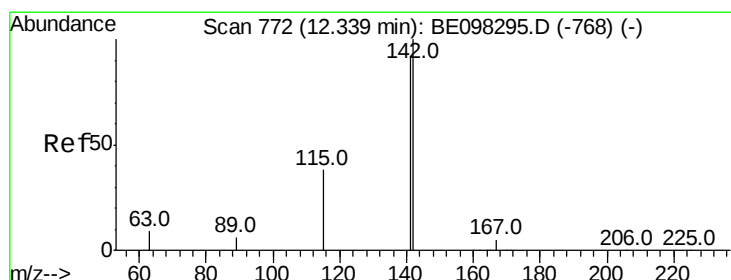
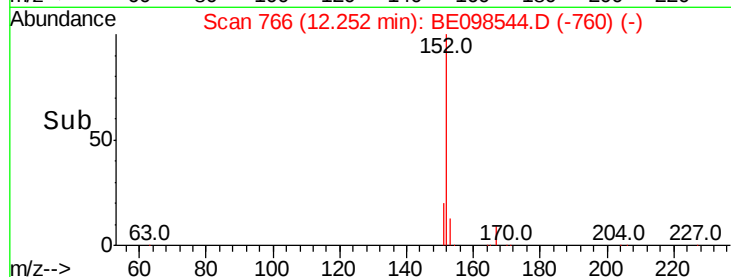
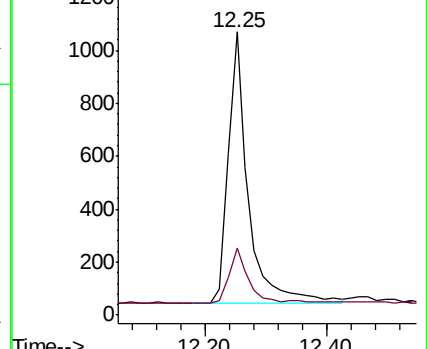
152 100

151 20.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.414 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

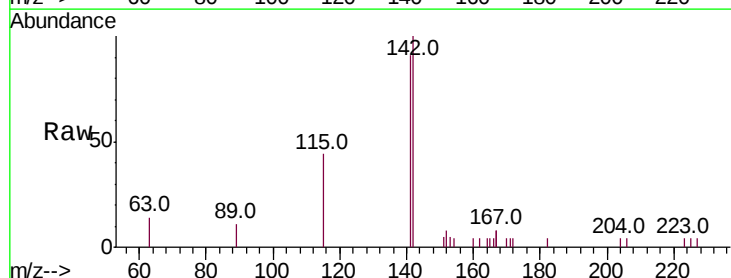
Tgt Ion:142 Resp: 2331

Ion Ratio Lower Upper

142 100

141 90.7 71.0 106.6

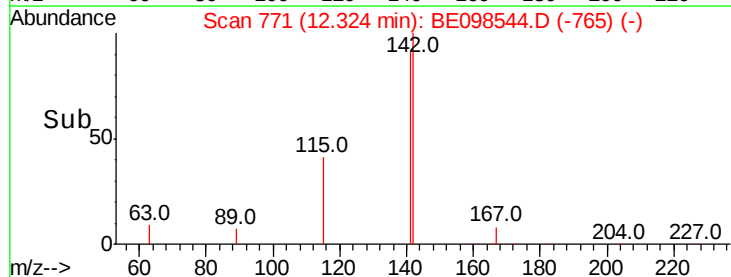
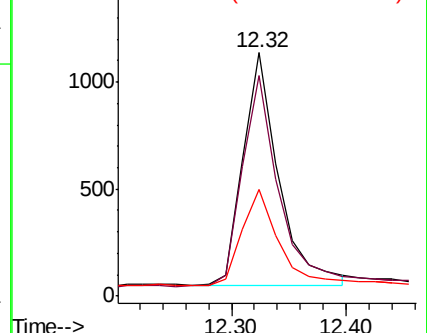
115 43.7 32.2 48.2

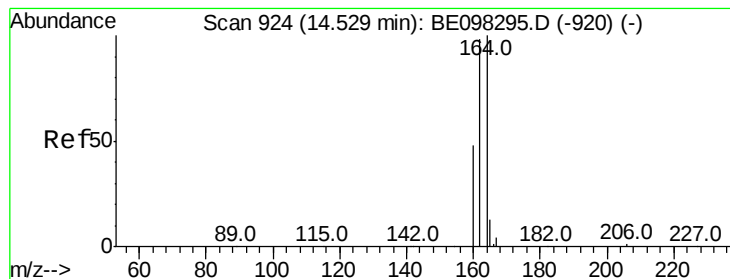


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

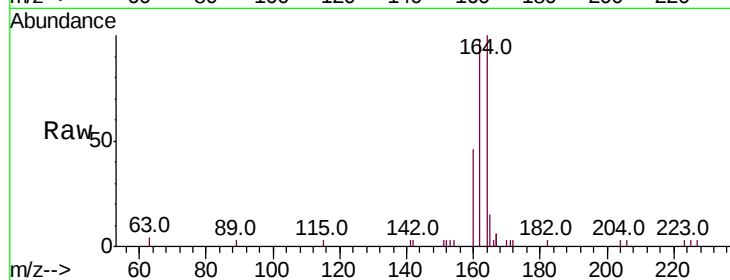
Tot Ion:164 Resp: 2542

Ion Ratio Lower Upper

164 100

162 98.0 77.6 116.4

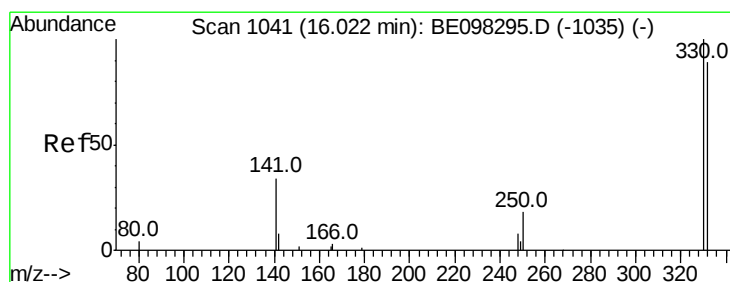
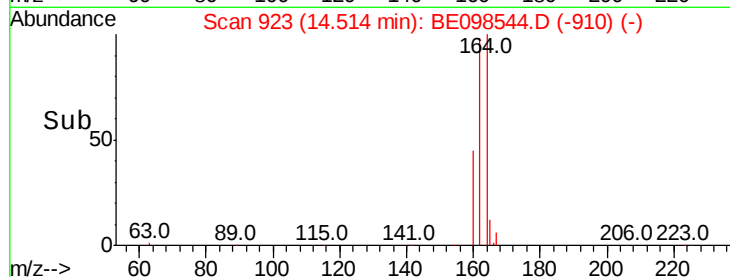
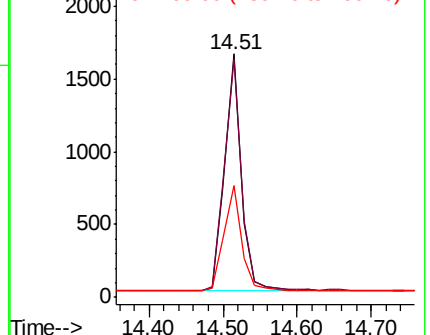
160 46.1 36.0 54.0



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: 0.484 ng

RT: 16.01 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

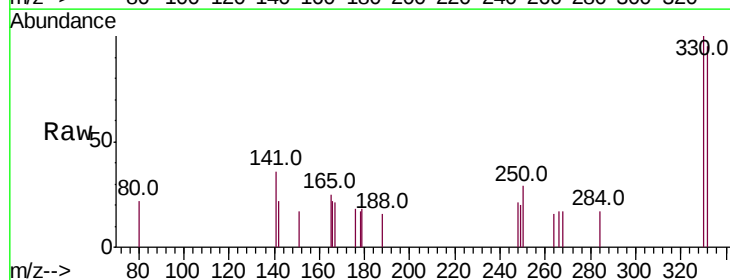
Tgt Ion:330 Resp: 452

Ion Ratio Lower Upper

330 100

332 94.2 76.2 114.4

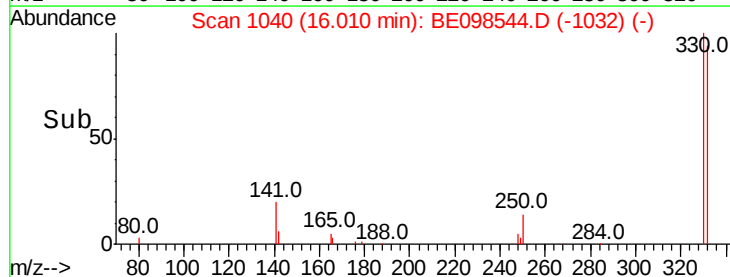
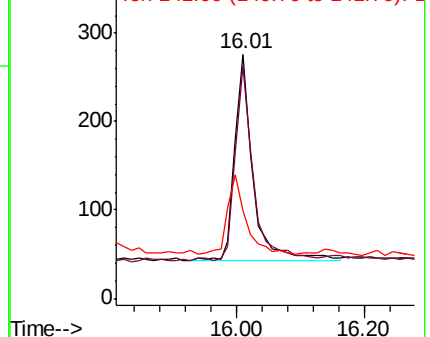
141 40.3 39.0 58.4

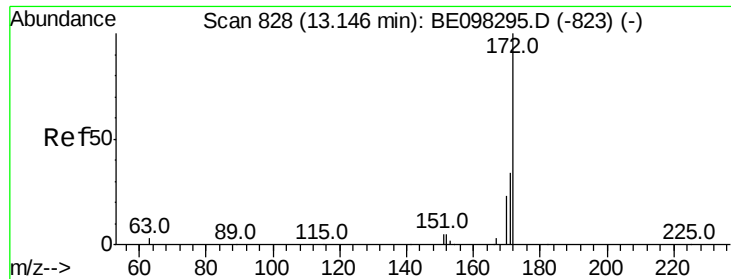


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

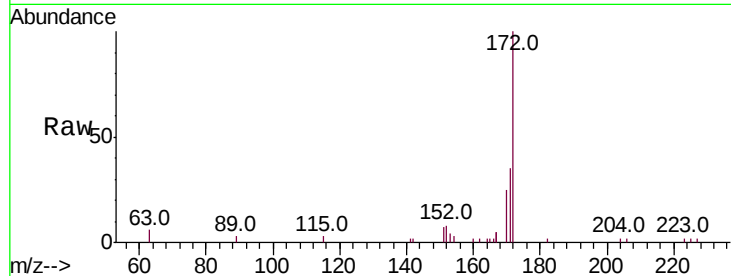




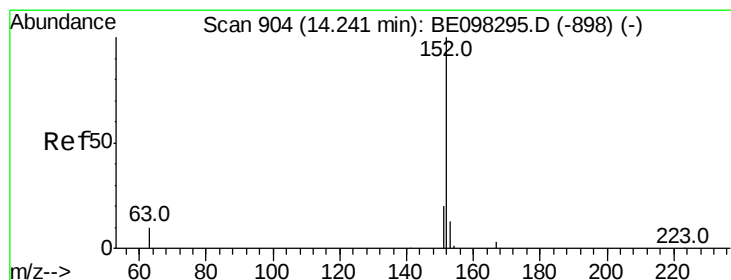
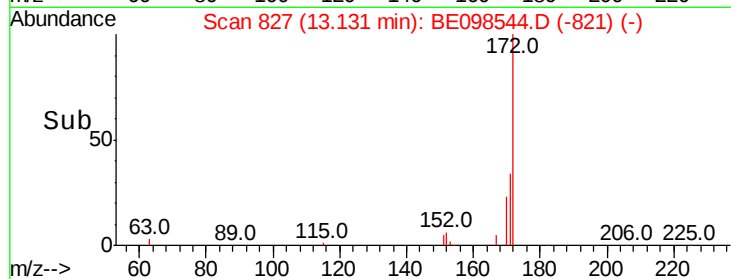
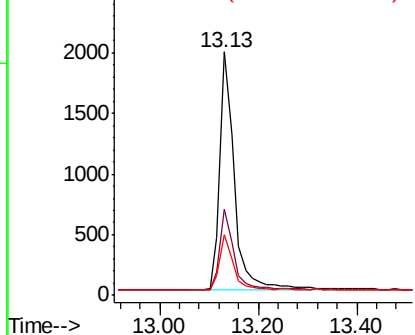
#15
 2-Fluorobiphenyl
 Concen: 0.376 ng
 RT: 13.13 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BE098544.D
 Acq: 20 Dec 2018 18:14

Instrument :
 BNA_E
 ClientSampleId :
 PB115586BSD

Tot Ion:172 Resp: 4034
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.5 41.3
 170 24.8 19.6 29.4

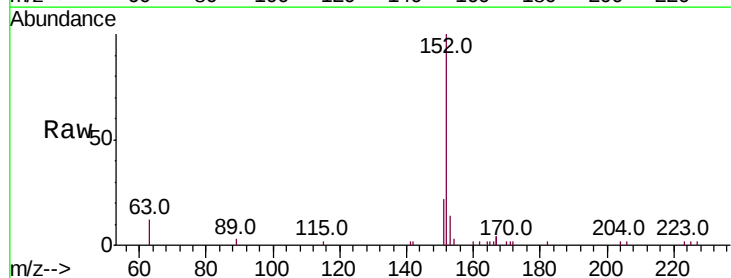


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

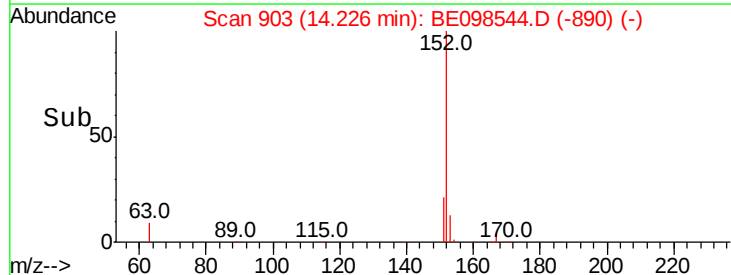
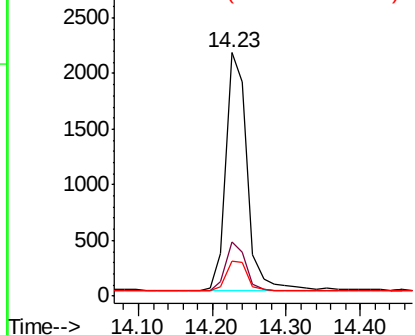


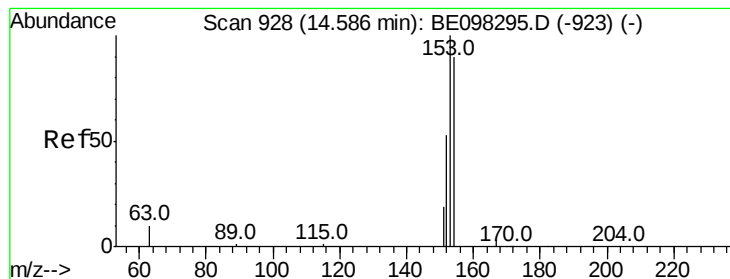
#16
 Acenaphthylene
 Concen: 0.366 ng
 RT: 14.23 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BE098544.D
 Acq: 20 Dec 2018 18:14

Tgt Ion:152 Resp: 4363
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.5 23.3
 153 12.7 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: 0.407 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

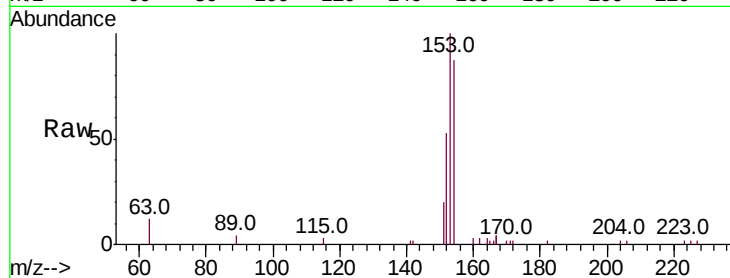
Tot Ion:154 Resp: 2913

Ion Ratio Lower Upper

154 100

153 114.8 91.8 137.6

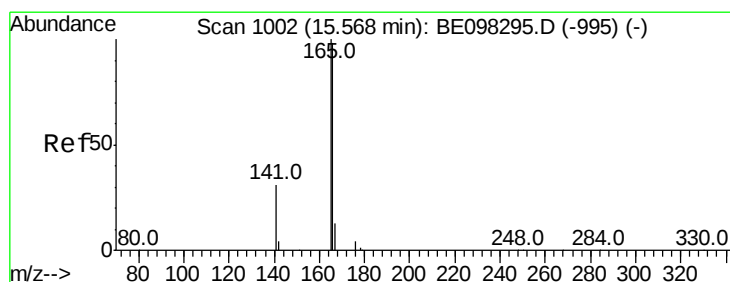
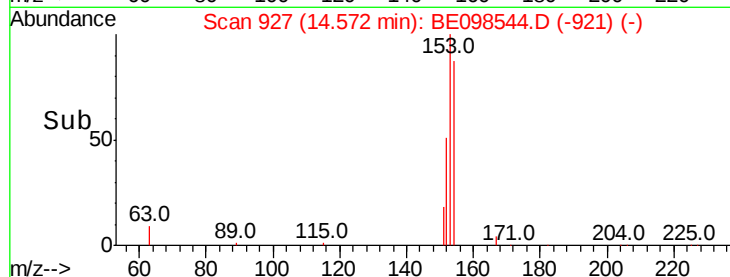
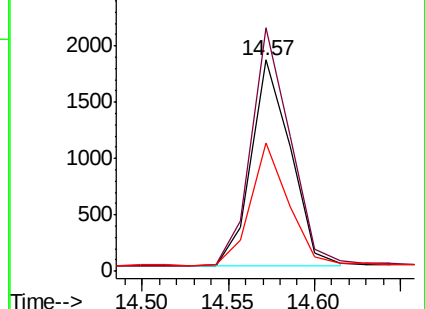
152 56.7 45.5 68.3



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: 0.409 ng

RT: 15.56 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

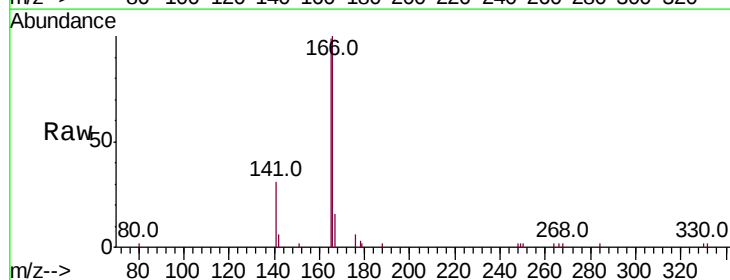
Tgt Ion:166 Resp: 3920

Ion Ratio Lower Upper

166 100

165 100.7 79.3 118.9

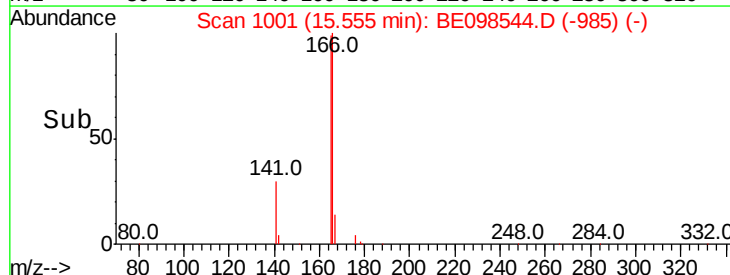
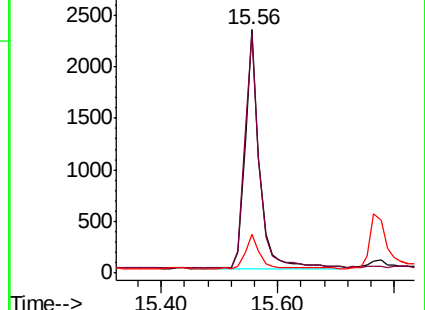
167 14.3 11.3 16.9

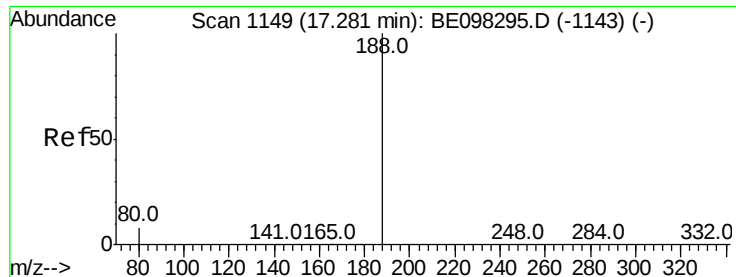


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.26 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

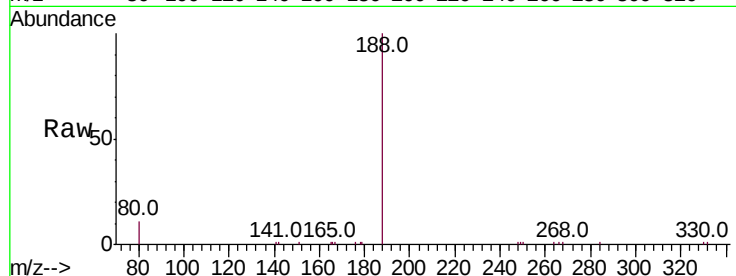
Tot Ion:188 Resp: 7118

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

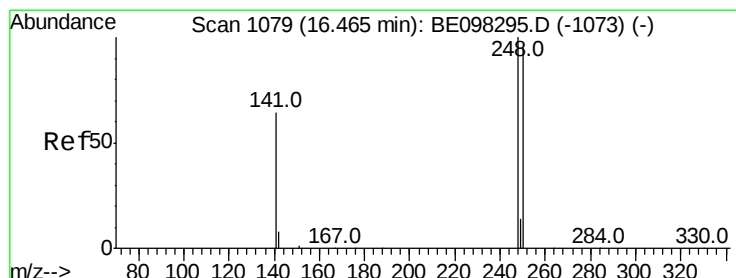
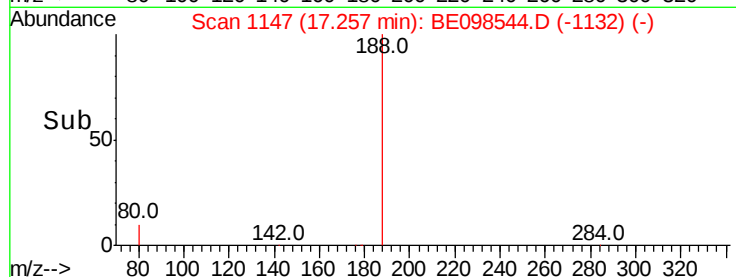
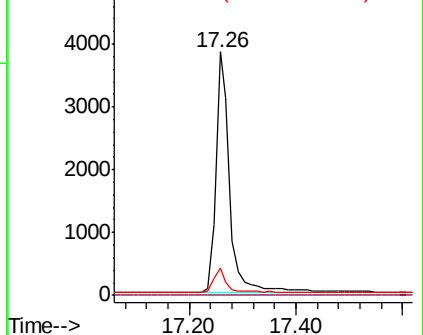
80 11.5 7.2 10.8#



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: 0.393 ng

RT: 16.45 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

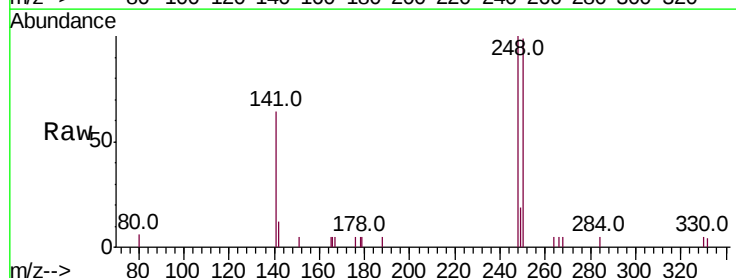
Tgt Ion:248 Resp: 1504

Ion Ratio Lower Upper

248 100

250 99.4 71.0 106.6

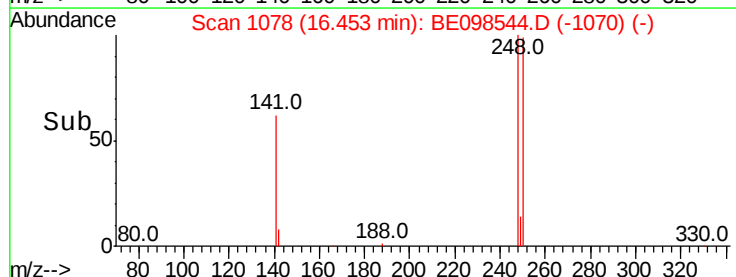
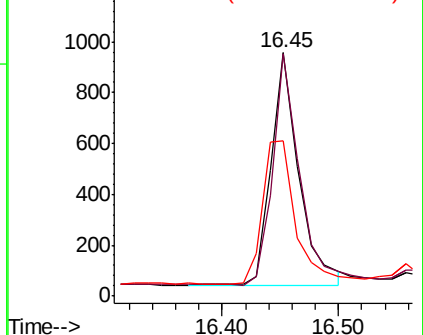
141 63.9 62.1 93.1



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: 0.419 ng

RT: 16.57 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

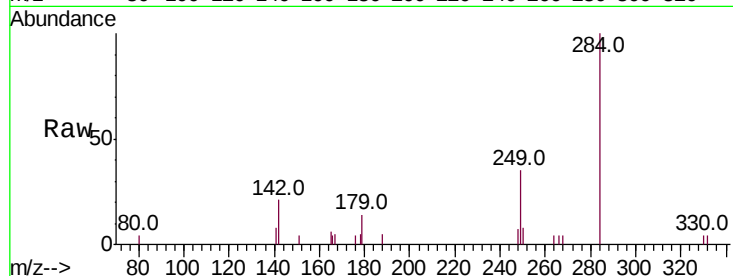
Tot Ion:284 Resp: 1727

Ion Ratio Lower Upper

284 100

142 35.0 26.3 39.5

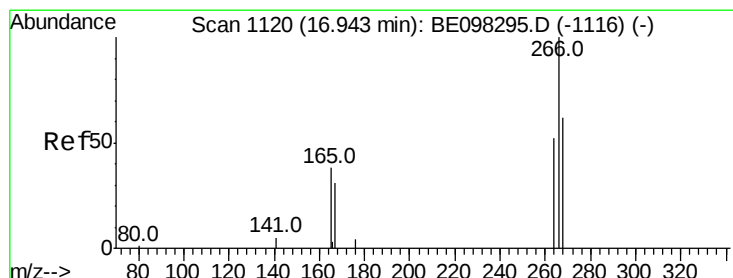
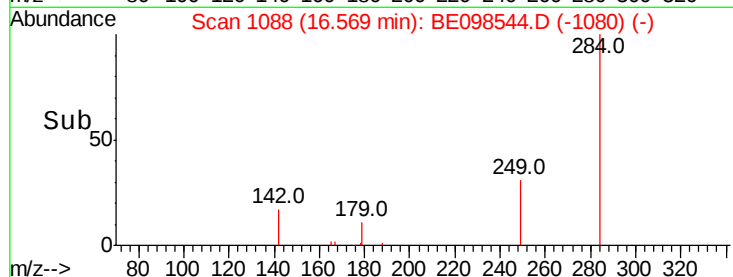
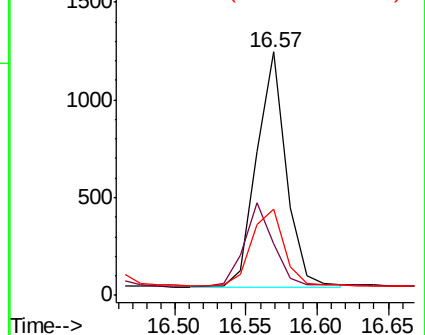
249 35.2 26.0 39.0



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



#22

Pentachlorophenol

Concen: 0.601 ng

RT: 16.93 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

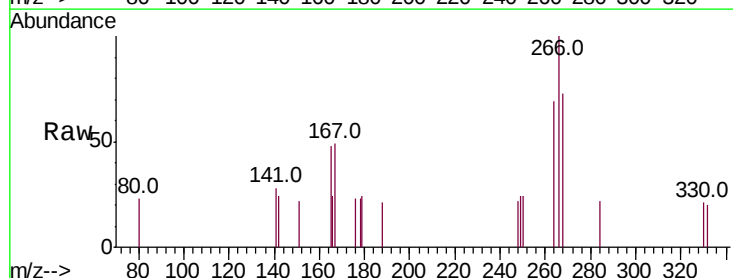
Tgt Ion:266 Resp: 427

Ion Ratio Lower Upper

266 100

264 68.7 59.0 88.4

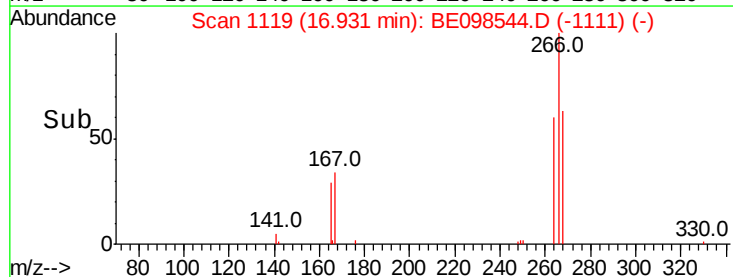
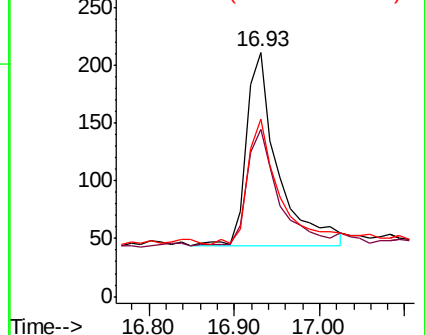
268 72.5 55.1 82.7

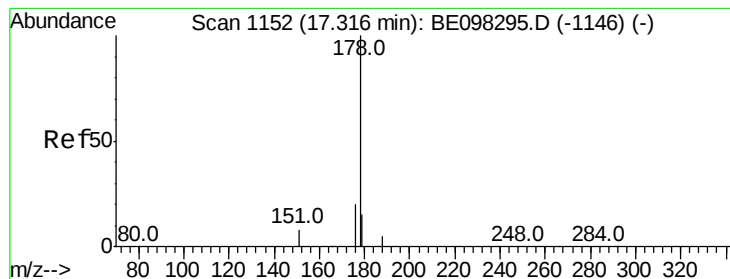


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.407 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

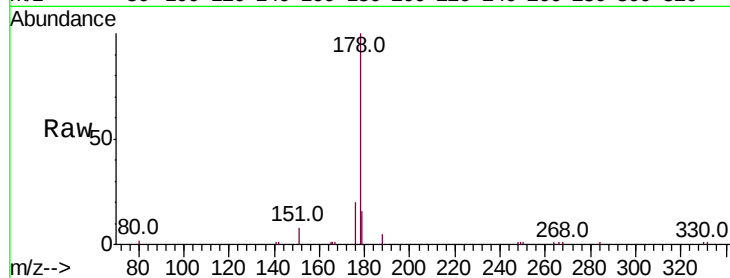
Tot Ion:178 Resp: 7043

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

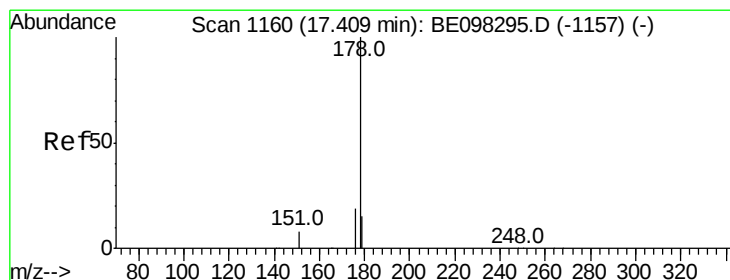
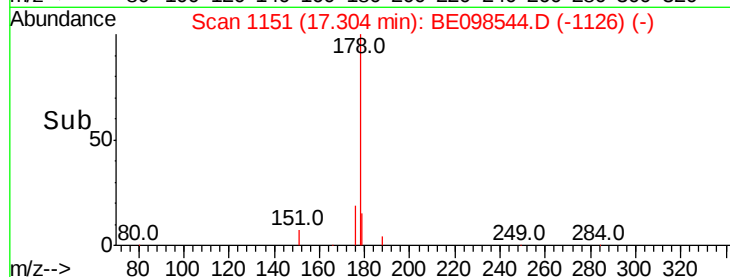
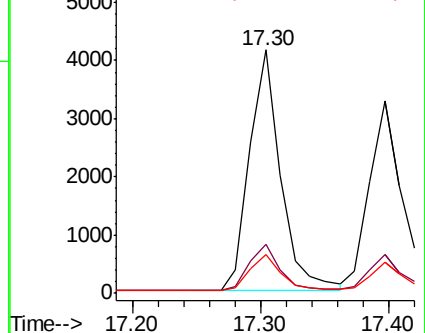
179 14.8 12.3 18.5



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: 0.364 ng

RT: 17.40 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

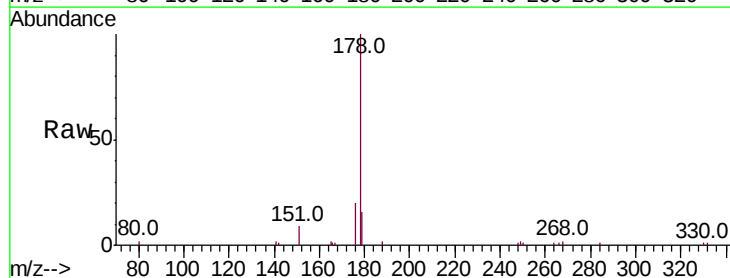
Tgt Ion:178 Resp: 5618

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

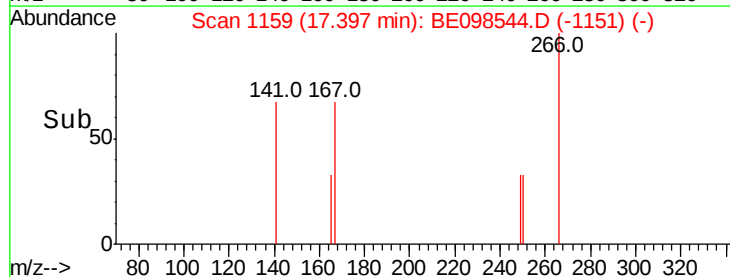
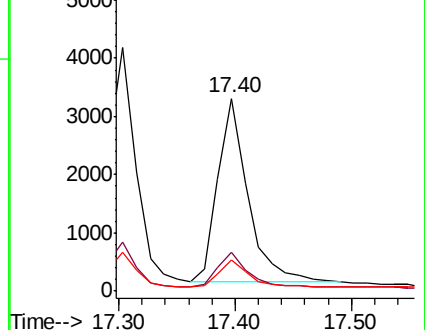
179 14.8 12.3 18.5

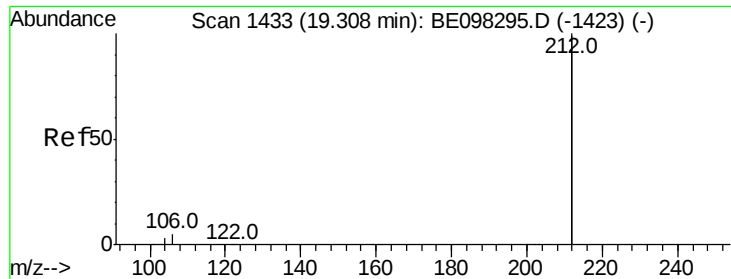


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

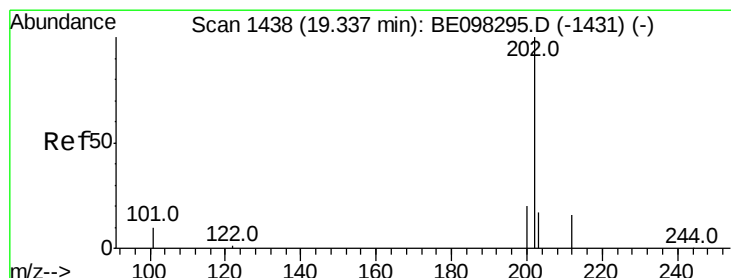
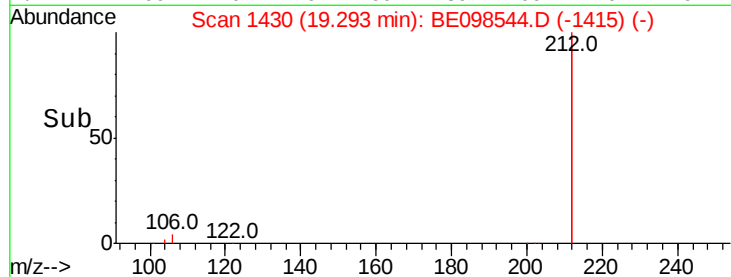
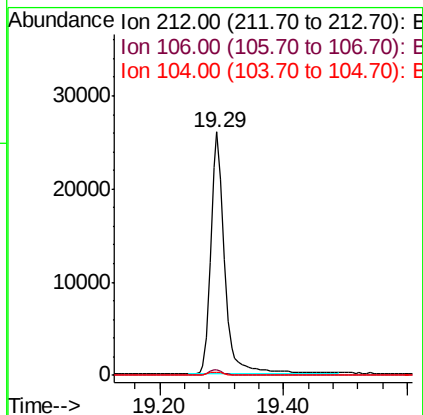
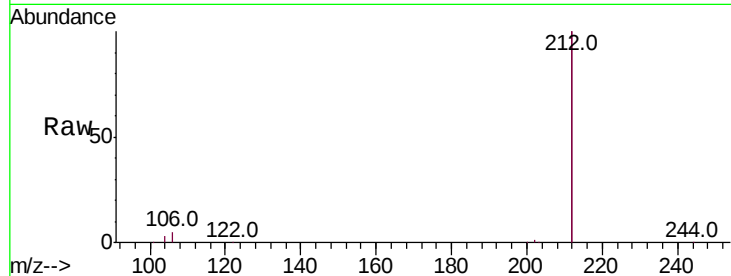




#25
 Fluoranthene-d10
 Concen: 0.442 ng
 RT: 19.29 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BE098544.D
 Acq: 20 Dec 2018 18:14

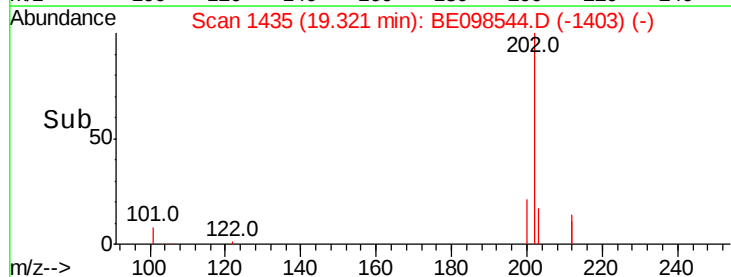
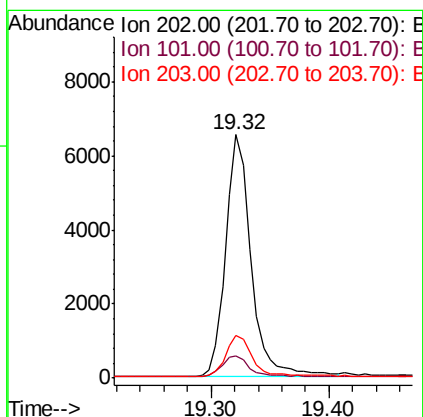
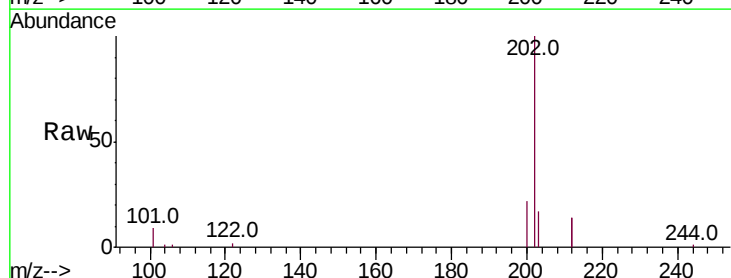
Instrument :
 BNA_E
 ClientSampleId :
 PB115586BSD

Tot Ion:212 Resp: 40388
 Ion Ratio Lower Upper
 212 100
 106 2.3 2.2 3.2
 104 1.3 1.3 1.9



#26
 Fluoranthene
 Concen: 0.423 ng
 RT: 19.32 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BE098544.D
 Acq: 20 Dec 2018 18:14

Tgt Ion:202 Resp: 9686
 Ion Ratio Lower Upper
 202 100
 101 8.9 8.0 12.0
 203 17.1 13.8 20.6

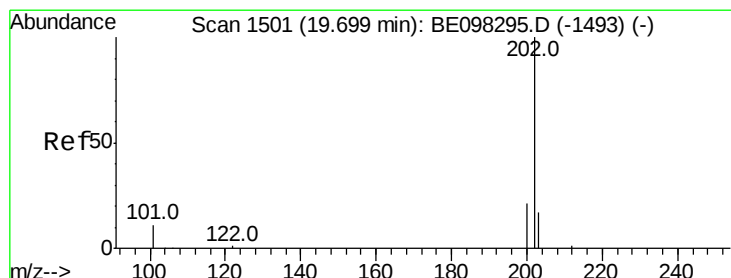
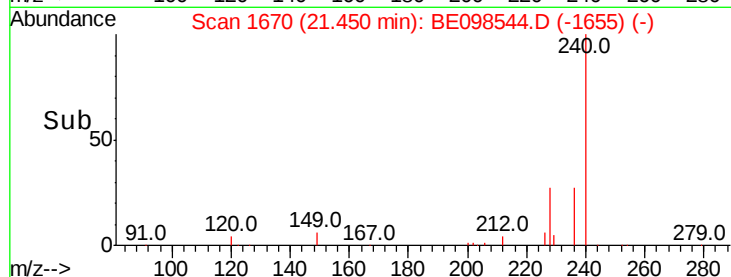
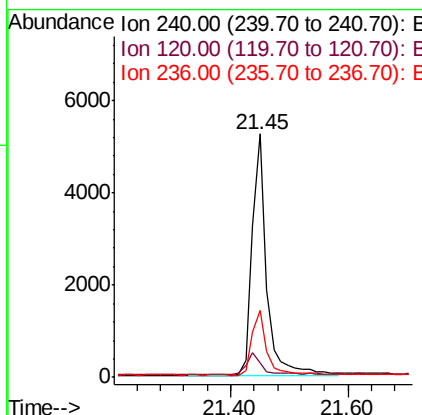
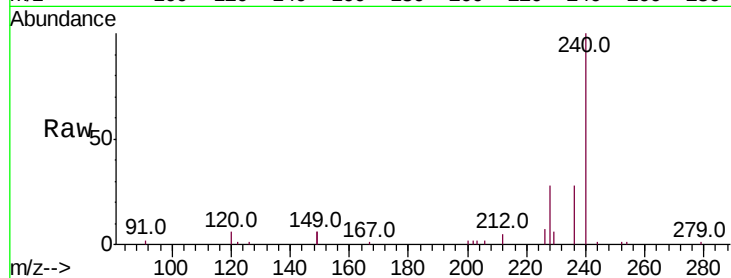




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098544.D
Acq: 20 Dec 2018 18:14

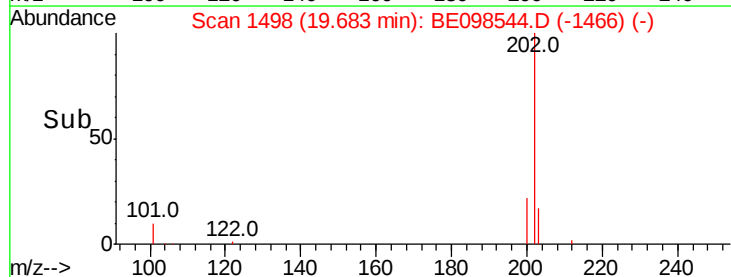
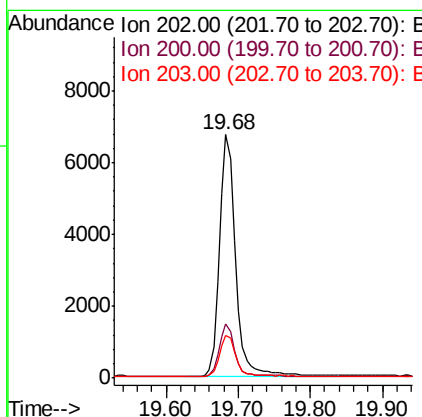
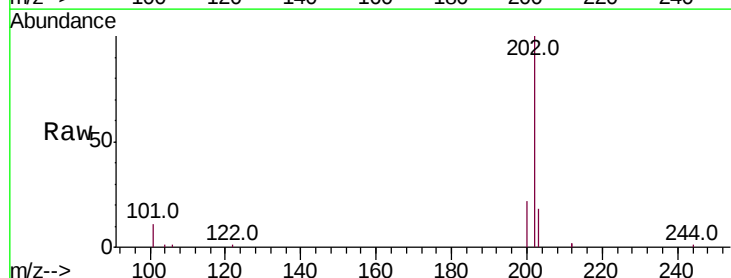
Instrument :
BNA_E
ClientSampleId :
PB115586BSD

Tot Ion:240 Resp: 8967
Ion Ratio Lower Upper
240 100
120 5.8 9.5 14.3#
236 27.5 22.7 34.1



#28
Pyrene
Concen: 0.369 ng
RT: 19.68 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BE098544.D
Acq: 20 Dec 2018 18:14

Tgt Ion:202 Resp: 10372
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 16.9 14.1 21.1





#29

Terphenyl-d14

Concen: 0.370 ng

RT: 19.89 min Scan# 1534

Delta R.T. -0.02 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

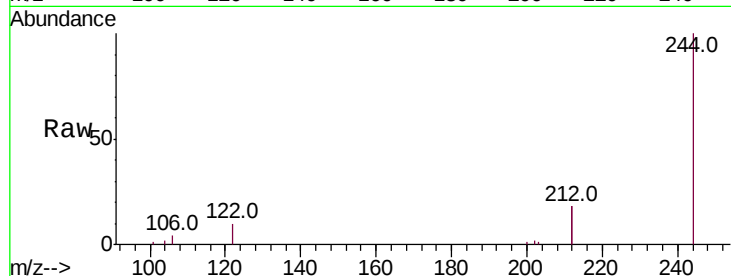
Tot Ion:244 Resp: 8059

Ion Ratio Lower Upper

244 100

212 36.8 27.4 41.0

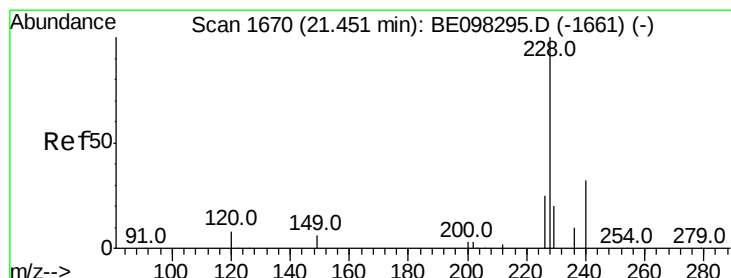
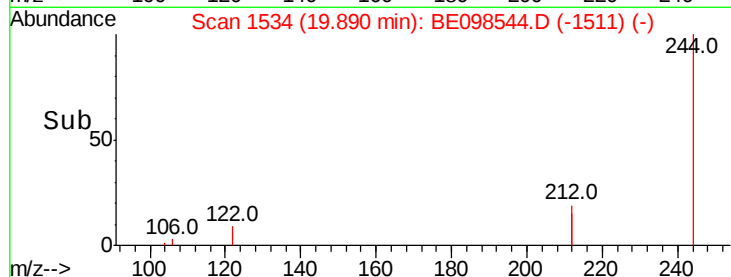
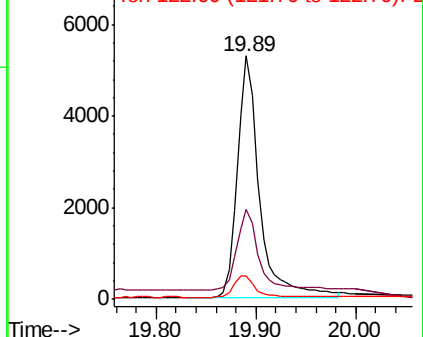
122 9.6 8.3 12.5



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: 0.402 ng

RT: 21.43 min Scan# 1668

Delta R.T. -0.03 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

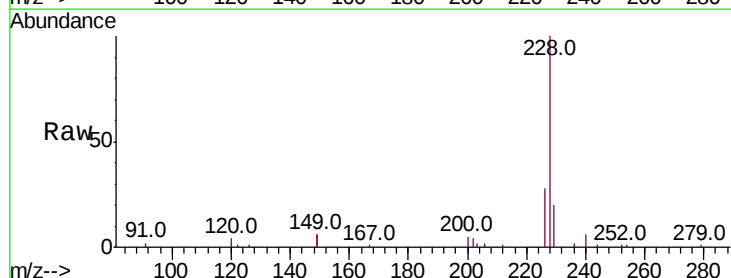
Tgt Ion:228 Resp: 10258

Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

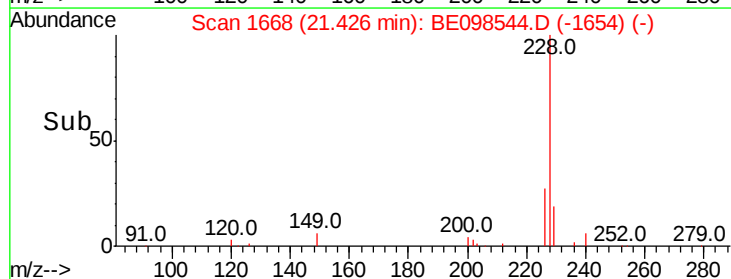
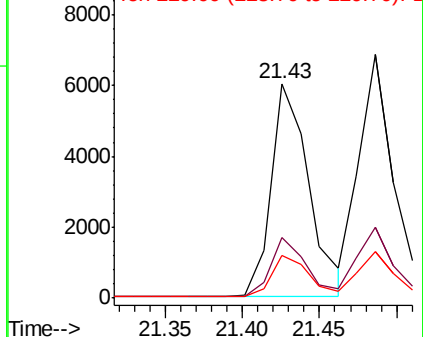
229 19.8 16.3 24.5



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: 0.397 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

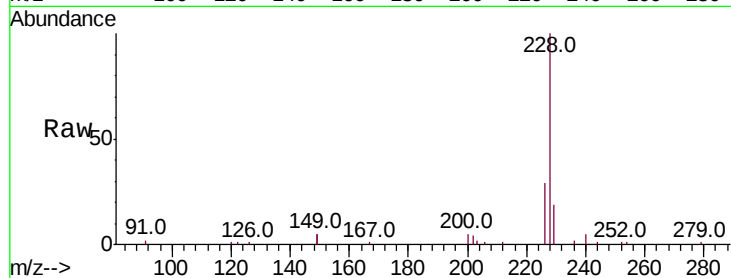
Tot Ion:228 Resp: 10609

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.0

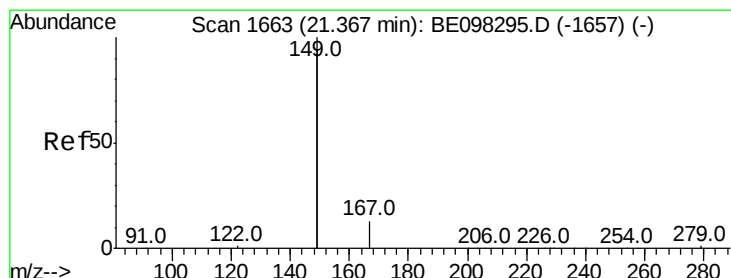
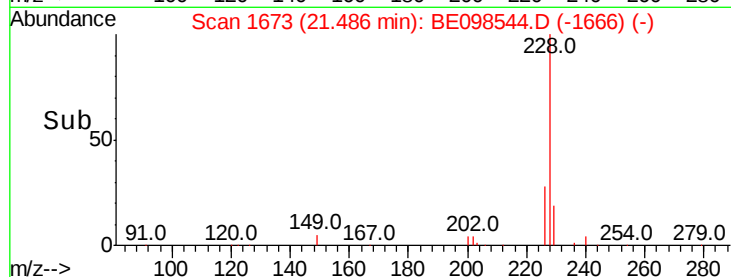
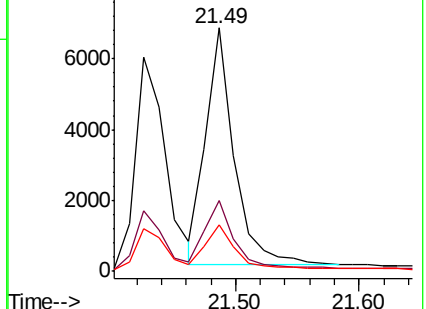
229 19.1 16.2 24.4



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: 0.366 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

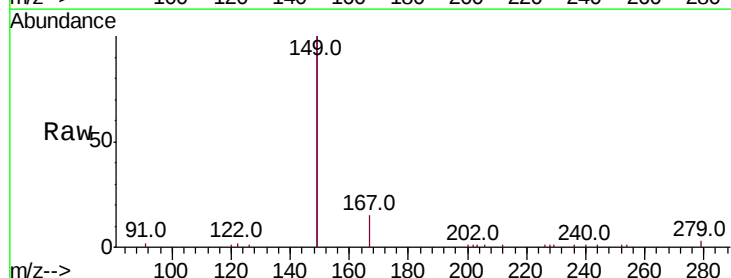
Tgt Ion:149 Resp: 19004

Ion Ratio Lower Upper

149 100

167 6.7 5.7 8.5

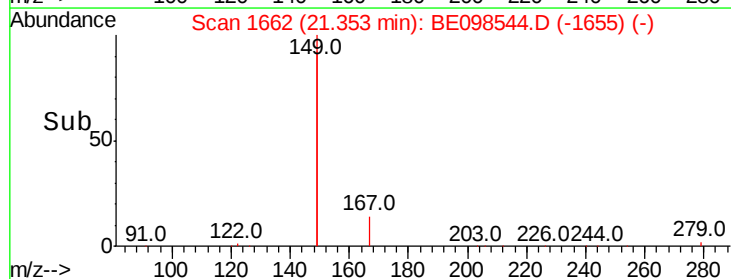
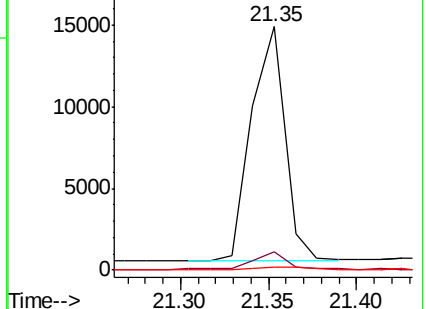
279 1.1 1.0 1.4

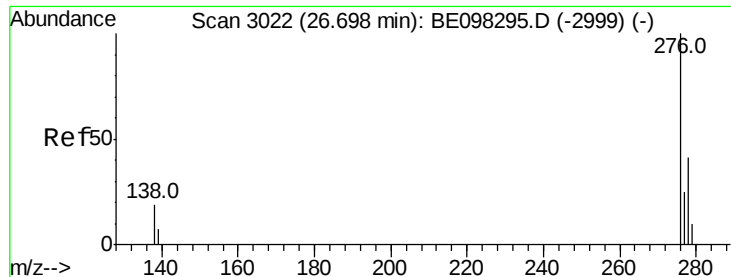


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.349 ng

RT: 26.66 min Scan# 3011

Delta R.T. -0.04 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

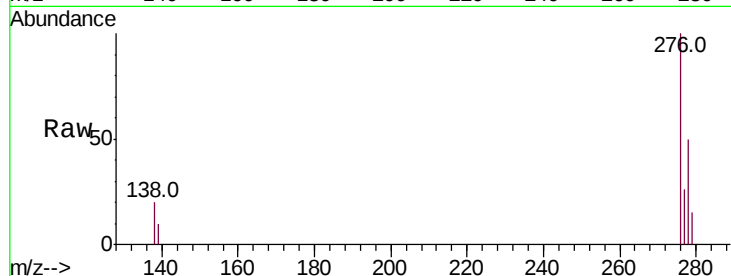
Tot Ion:276 Resp: 9282

Ion Ratio Lower Upper

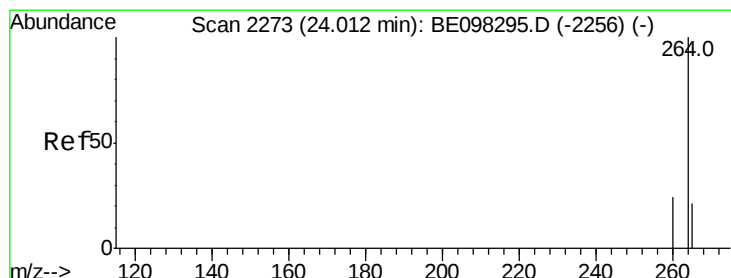
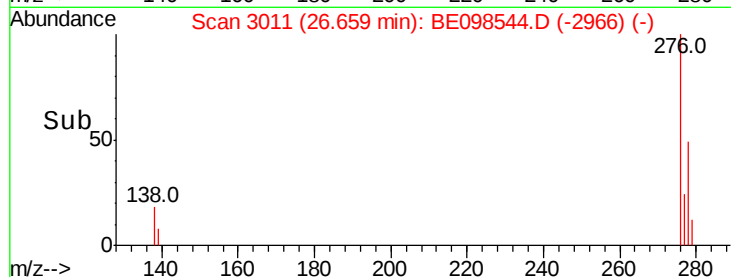
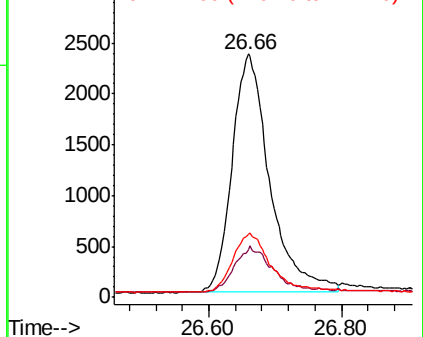
276 100

138 19.2 16.3 24.5

277 25.0 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: 23.98 min Scan# 2265

Delta R.T. -0.03 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

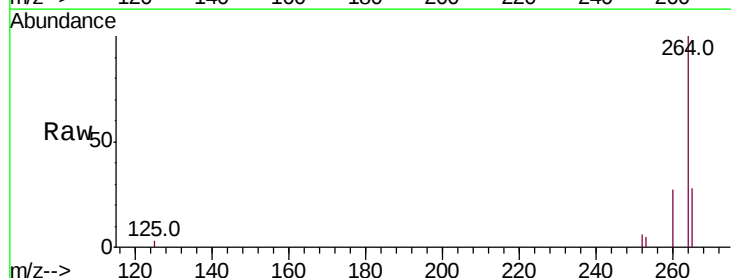
Tgt Ion:264 Resp: 7092

Ion Ratio Lower Upper

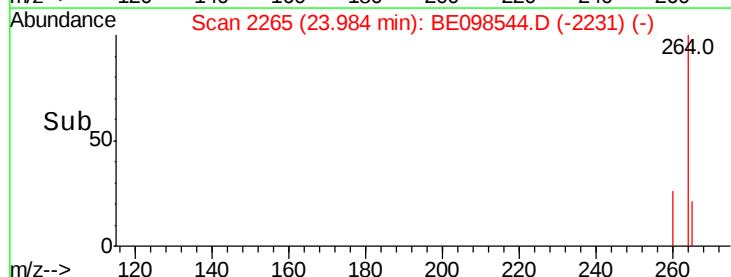
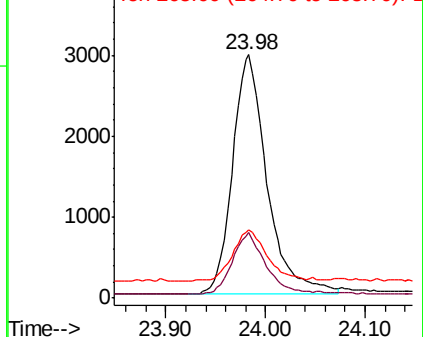
264 100

260 26.9 20.2 30.2

265 27.9 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: 0.427 ng

RT: 23.20 min Scan# 2046

Delta R.T. -0.03 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

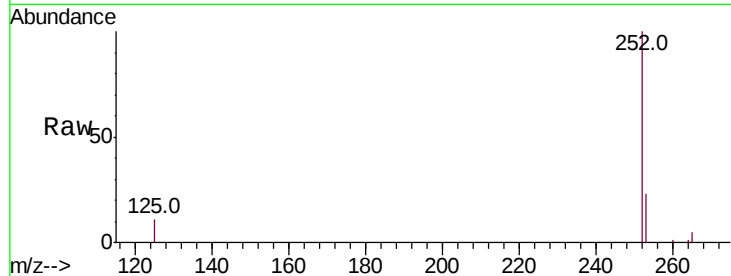
Tot Ion:252 Resp: 8278

Ion Ratio Lower Upper

252 100

253 23.0 20.0 30.0

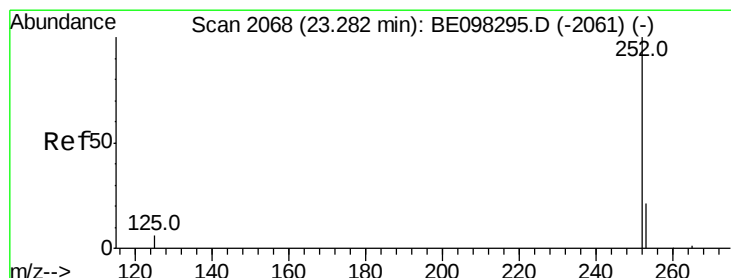
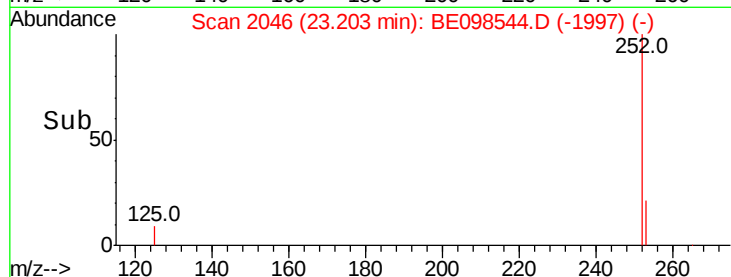
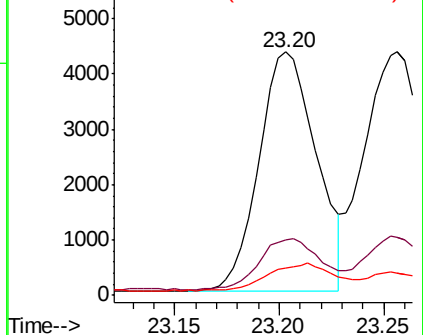
125 11.2 9.6 14.4



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



#36

Benzo(k)fluoranthene

Concen: 0.420 ng

RT: 23.26 min Scan# 2061

Delta R.T. -0.03 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

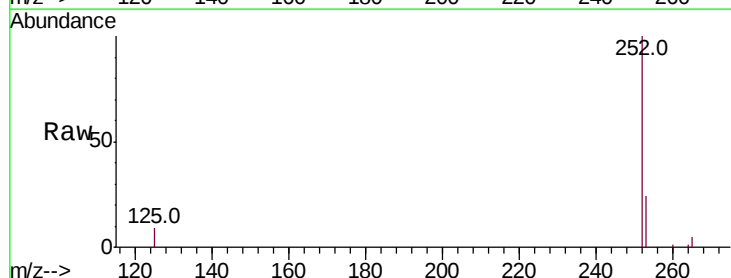
Tgt Ion:252 Resp: 9491

Ion Ratio Lower Upper

252 100

253 23.6 19.0 28.6

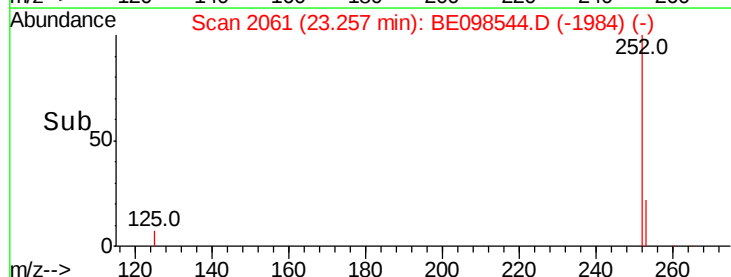
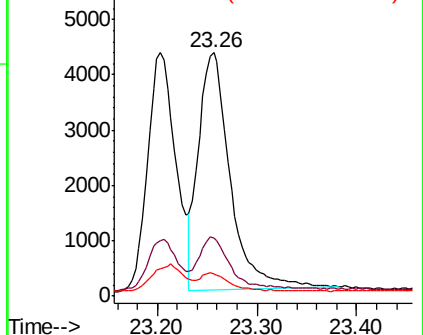
125 9.1 9.1 13.7



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





#37

Benzo(a)pyrene

Concen: 0.417 ng

RT: 23.87 min Scan# 2233

Delta R.T. -0.03 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

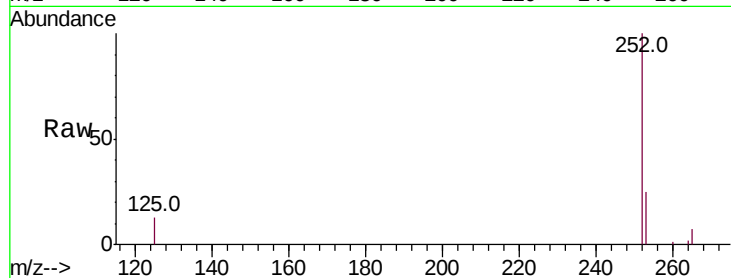
Tot Ion:252 Resp: 8350

Ion Ratio Lower Upper

252 100

253 24.6 20.6 30.8

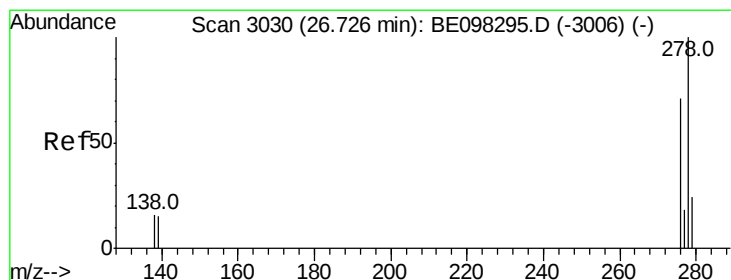
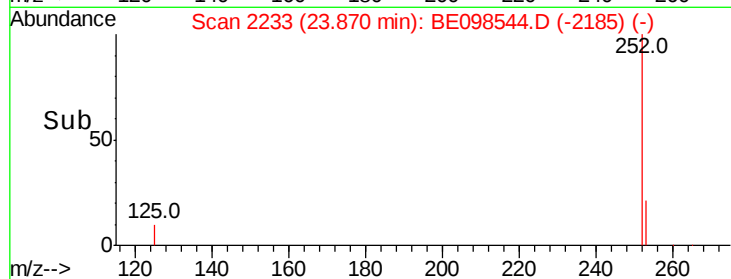
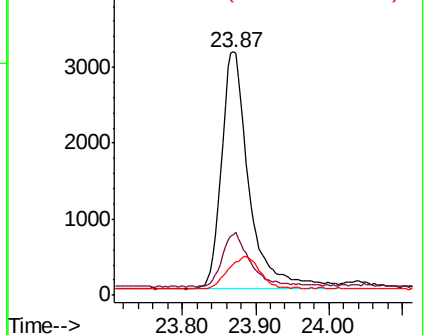
125 12.6 10.5 15.7



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: 0.416 ng

RT: 26.68 min Scan# 3018

Delta R.T. -0.04 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

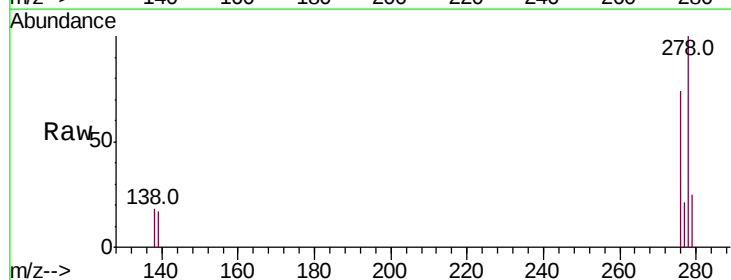
Tgt Ion:278 Resp: 7834

Ion Ratio Lower Upper

278 100

139 17.1 14.5 21.7

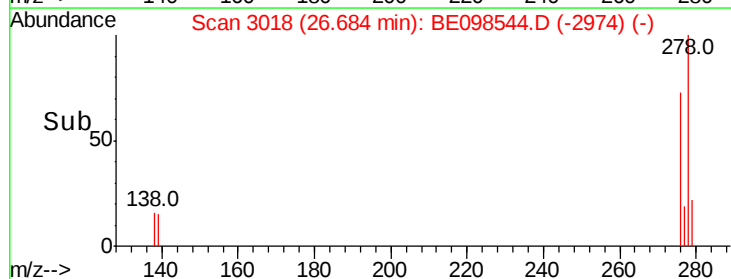
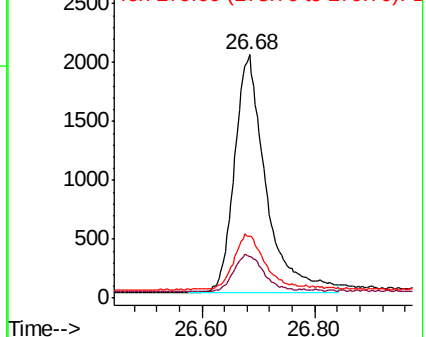
279 25.1 21.8 32.8

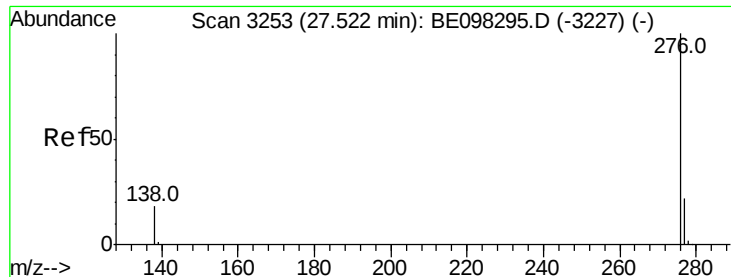


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.419 ng

RT: 27.48 min Scan# 3241

Delta R.T. -0.04 min

Lab File: BE098544.D

Acq: 20 Dec 2018 18:14

Instrument :

BNA_E

ClientSampleId :

PB115586BSD

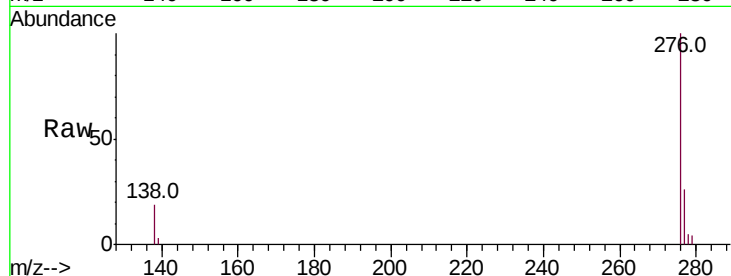
Tot Ion: 276 Resp: 7952

Ion Ratio Lower Upper

276 100

277 26.0 20.8 31.2

138 18.7 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

