

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021318\
 Data File : BE095658.D
 Acq On : 12 Feb 2018 13:06
 Operator : SJ/JU
 Sample : J1474-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 13 03:23:50 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 20:27:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1067	0.40	ng	0.00
7) Naphthalene-d8	11.28	136	4257	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2526	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5595	0.40	ng	0.00
27) Chrysene-d12	21.79	240	5878	0.40	ng	0.00
34) Perylene-d12	24.42	264	5640	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	646	0.20	ng	0.00
5) Phenol-d6	7.56	99	536	0.12	ng	0.00
8) Nitrobenzene-d5	9.60	82	2040	0.45	ng	-0.02
11) 2-Methylnaphthalene-d10	12.80	152	3183	0.45	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	523	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	5873	0.54	ng	-0.02
25) Fluoranthene-d10	19.69	212	34010	0.46	ng	0.00
29) Terphenyl-d14	20.25	244	7778	0.62	ng	0.00

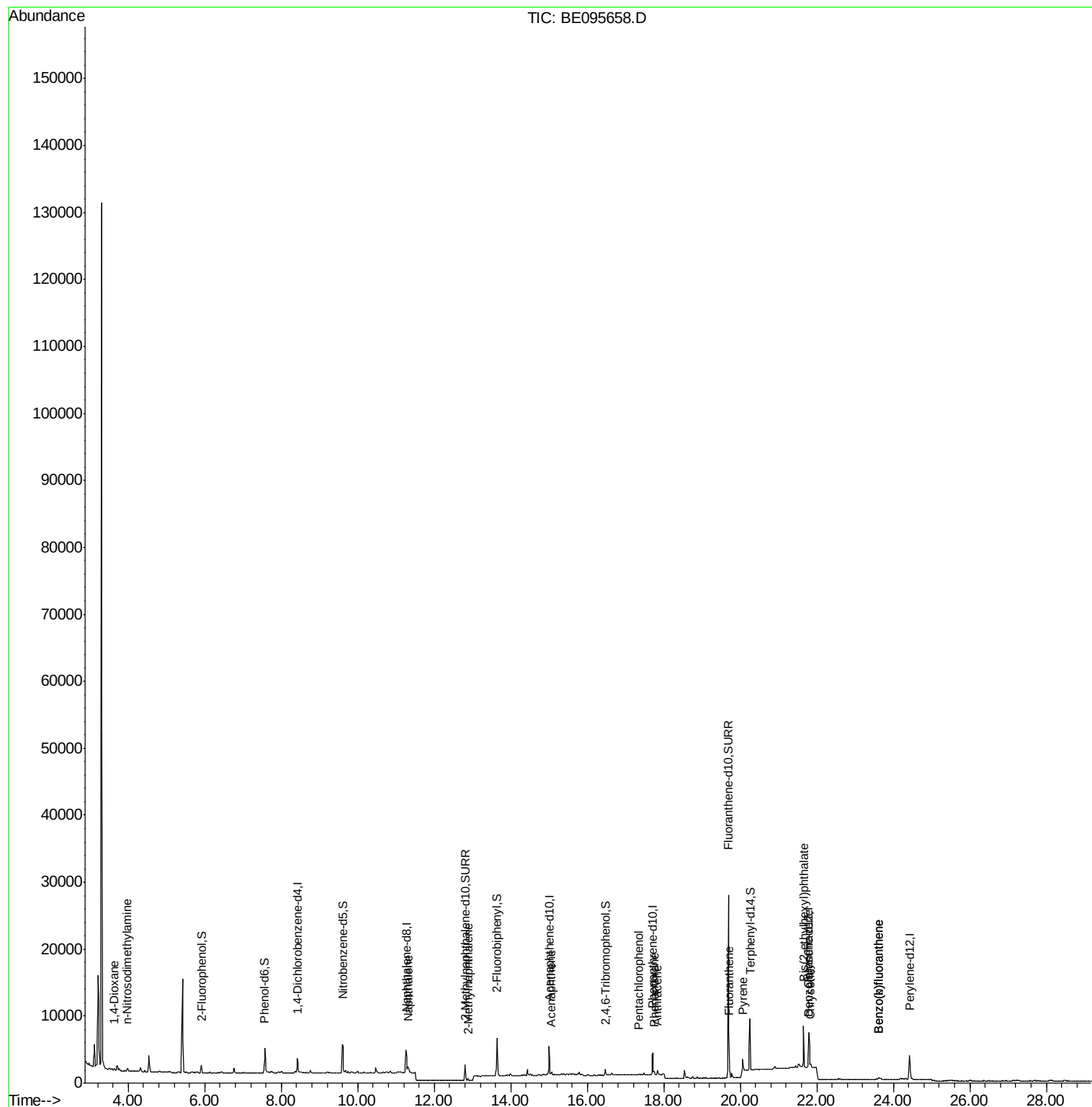
Target Compounds						Qvalue
2) 1,4-Dioxane	3.64	88	123	0.07	ng	# 48
3) n-Nitrosodimethylamine	3.98	42	51	0.02	ng	# 8
9) Naphthalene	11.31	128	1533	0.03	ng	# 88
12) 2-Methylnaphthalene	12.88	142	217	0.03	ng	# 85
17) Acenaphthene	15.06	154	253	0.03	ng	95
22) Pentachlorophenol	17.36	266	94	0.23	ng	93
23) Phenanthrene	17.74	178	606	0.04	ng	99
24) Anthracene	17.83	178	876	0.05	ng	# 91
26) Fluoranthene	19.72	202	1629	0.08	ng	97
28) Pvrene	20.06	202	1858	0.08	ng	97
30) Benzo(a)anthracene	21.78	228	492	0.03	ng	# 74
31) Chrysene	21.84	228	394	0.02	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.65	149	7038	0.16	ng	100
35) Benzo(b)fluoranthene	23.61	252	537	0.03	ng	# 42
36) Benzo(k)fluoranthene	23.61	252	537	0.03	ng	# 18

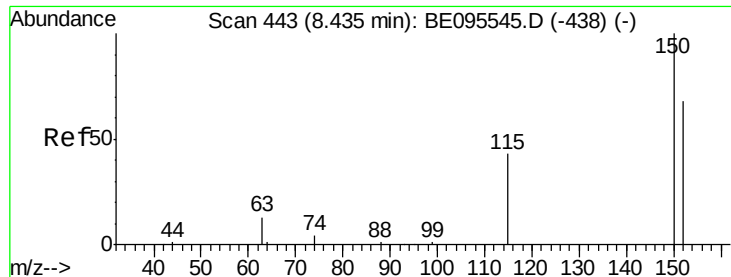
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 8.42 min Scan# 442

Delta R.T. -0.01 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

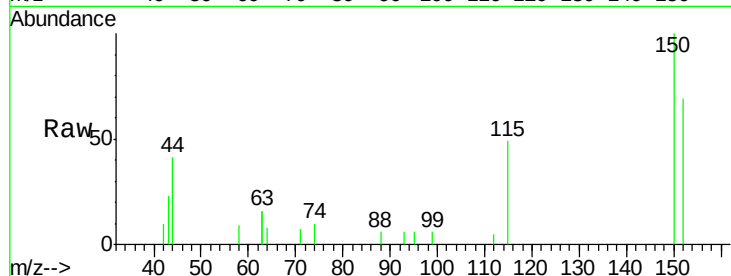
Tot Ion:152 Resp: 1067

Ion Ratio Lower Upper

152 100

150 145.6 117.2 175.8

115 71.4 57.0 85.6



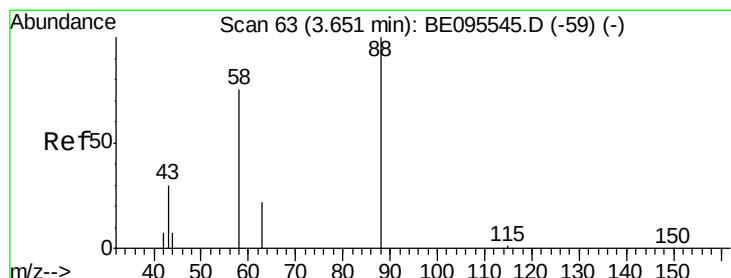
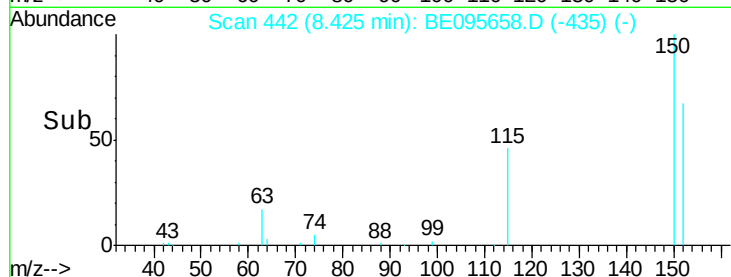
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

8.42

Time-->



#2

1,4-Dioxane

Concen: 0.07 ng

RT: 3.64 min Scan# 62

Delta R.T. -0.01 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

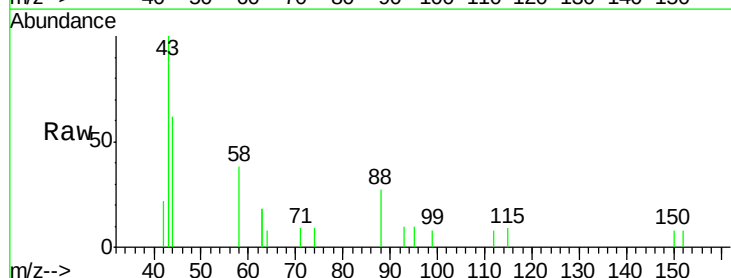
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

58 76.4 63.2 94.8

43 140.7 41.2 61.8#



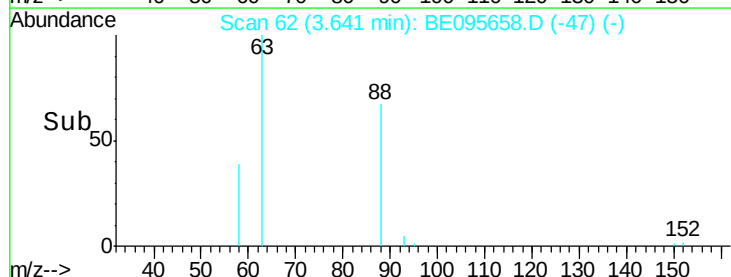
Abundance Ion 88.00 (87.70 to 88.70): BE0

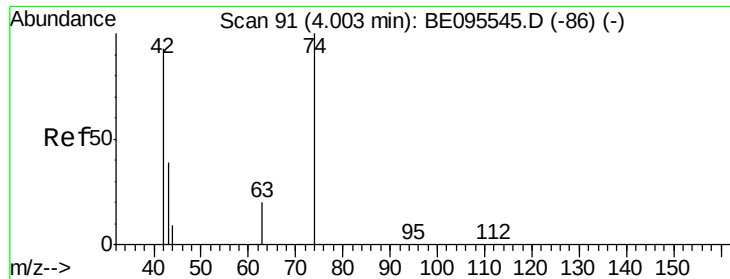
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

3.64

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.98 min Scan# 89

Delta R.T. -0.02 min

Lab File: BE095658.D

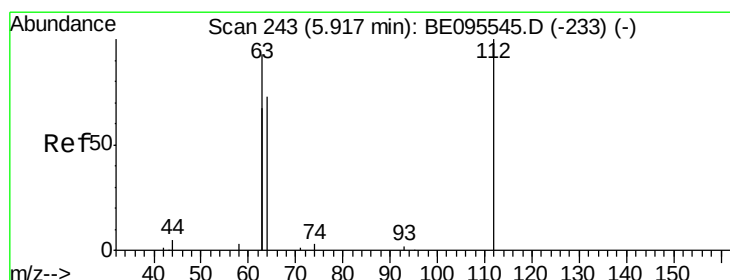
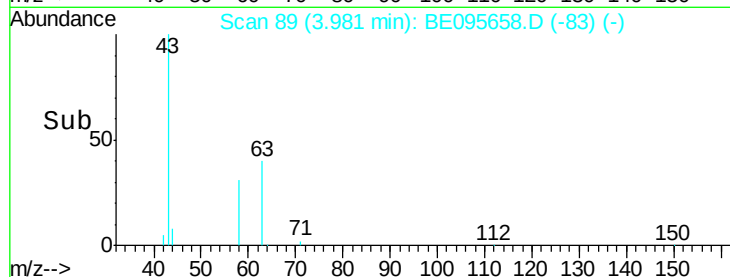
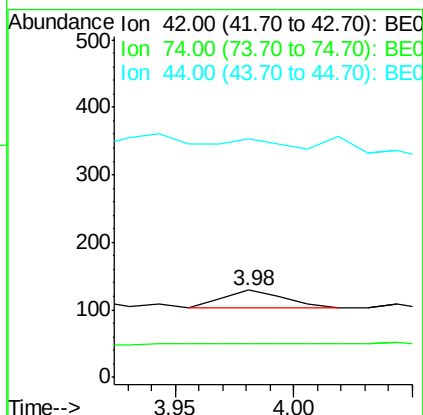
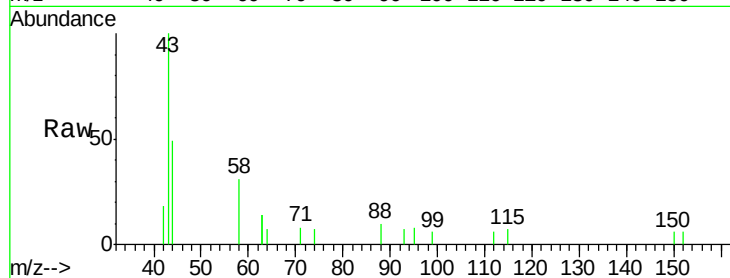
Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	51
Ion	Ratio	Lower	Upper
42	100		
74	9.8	96.0	144.0#
44	0.0	12.0	18.0#



#4

2-Fluorophenol

Concen: 0.20 ng

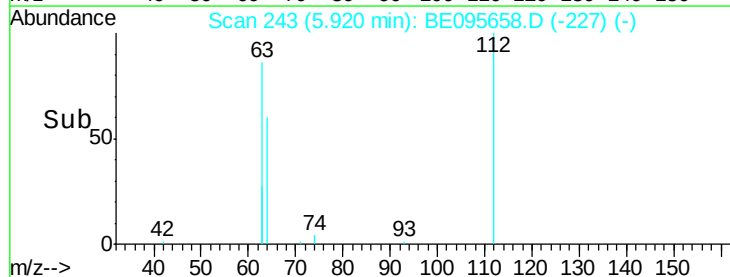
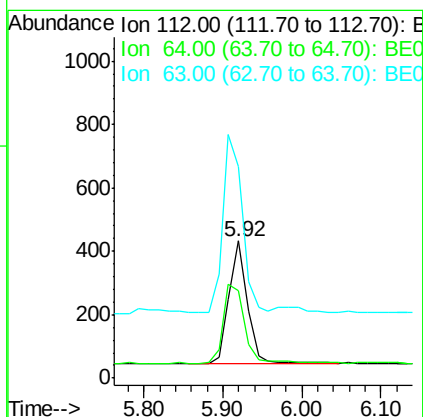
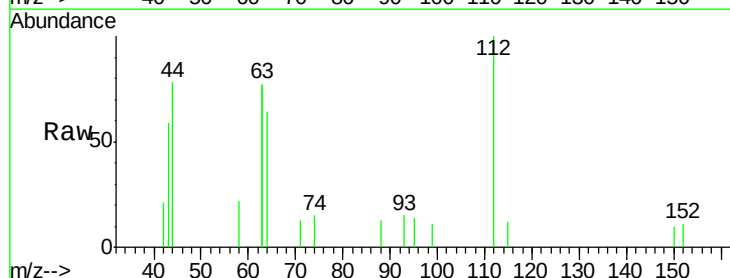
RT: 5.92 min Scan# 243

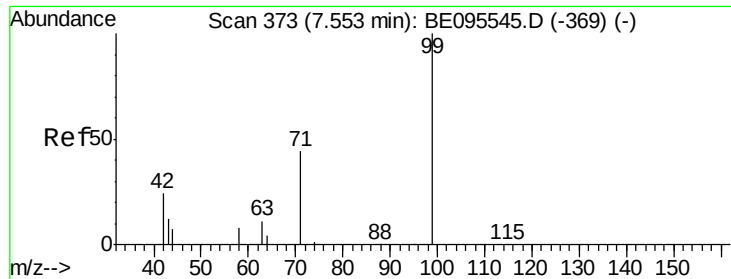
Delta R.T. 0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Tgt Ion:	112	Resp:	646
Ion	Ratio	Lower	Upper
112	100		
64	75.2	60.1	90.1
63	149.4	116.8	175.2





#5

Phenol-d6

Concen: 0.12 ng

RT: 7.56 min Scan# 373

Delta R.T. -0.01 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampled :

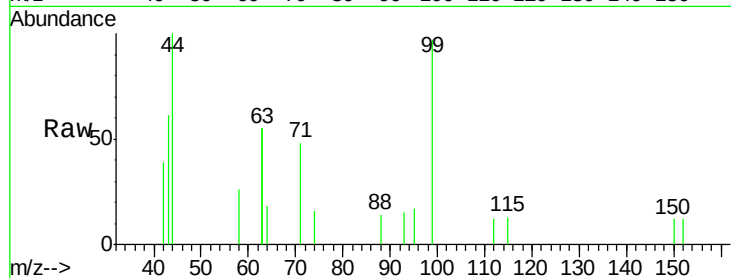
Tot Ion: 99 Resp: 536

Ion Ratio Lower Upper

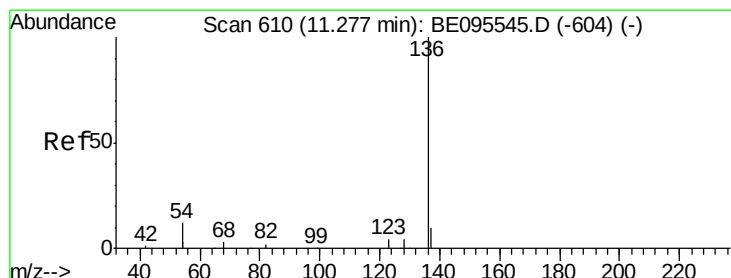
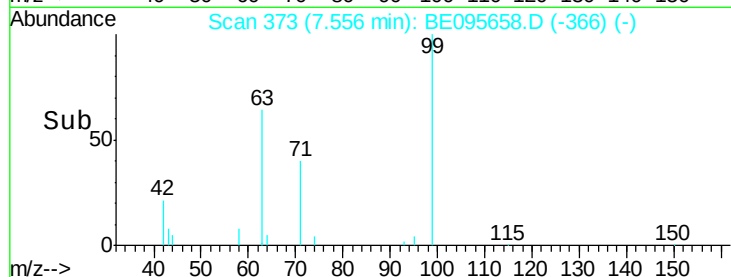
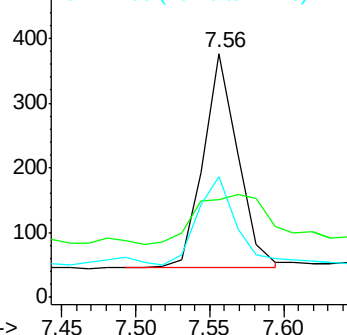
99 100

42 49.1 20.2 30.2#

71 46.5 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 11.28 min Scan# 610

Delta R.T. 0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Tgt Ion: 136 Resp: 4257

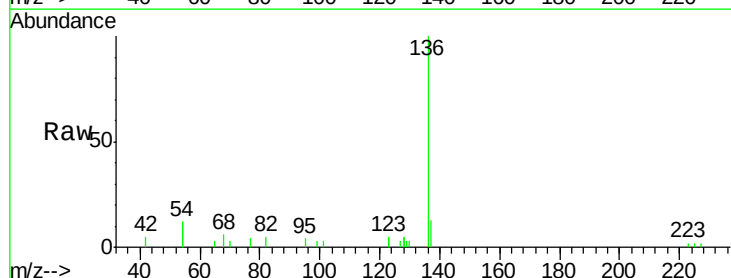
Ion Ratio Lower Upper

136 100

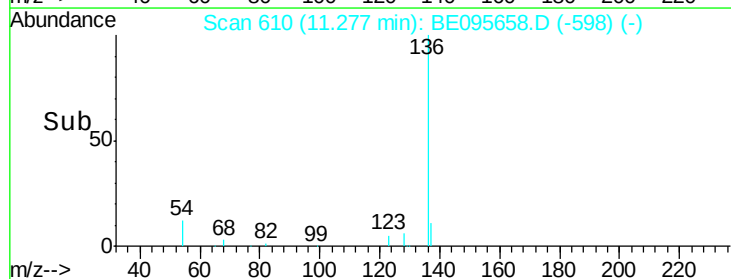
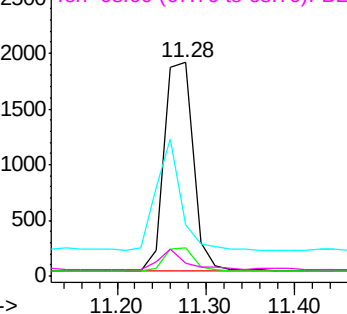
137 13.0 9.5 14.3

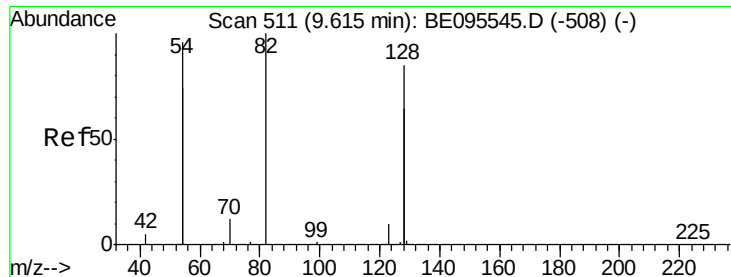
54 23.8 29.1 43.7#

68 6.2 6.2 9.2



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: 0.45 ng

RT: 9.60 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

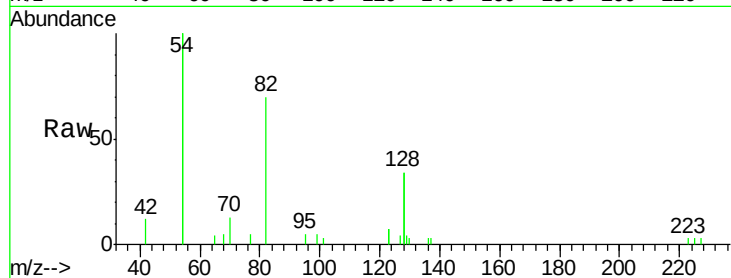
Tot Ion: 82 Resp: 2040

Ion Ratio Lower Upper

82 100

128 97.1 150.0 225.0#

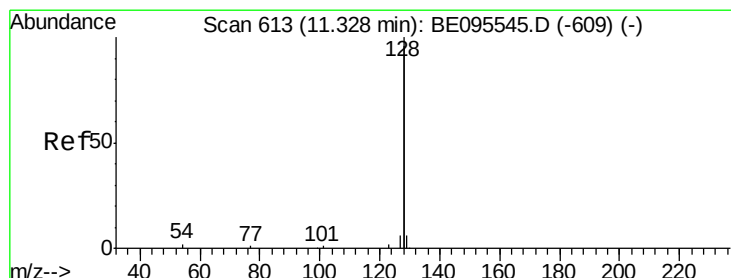
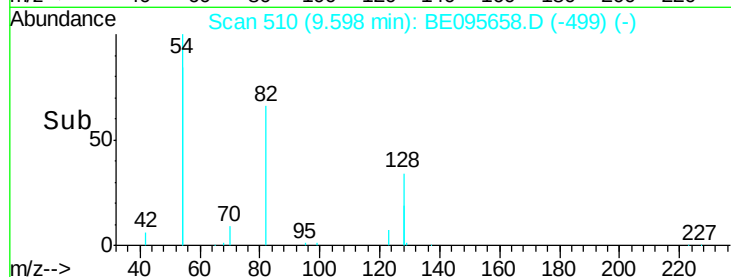
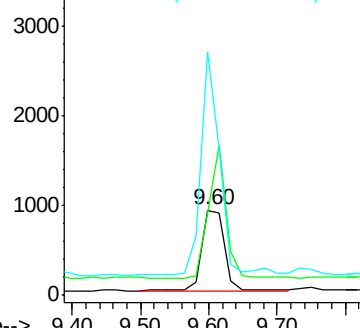
54 286.8 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE095545.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BE095545.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BE095545.D (-508) (-)



#9

Naphthalene

Concen: 0.03 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

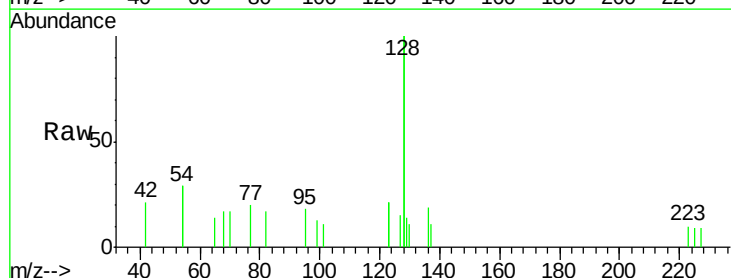
Tgt Ion: 128 Resp: 1533

Ion Ratio Lower Upper

128 100

129 7.2 2.6 3.8#

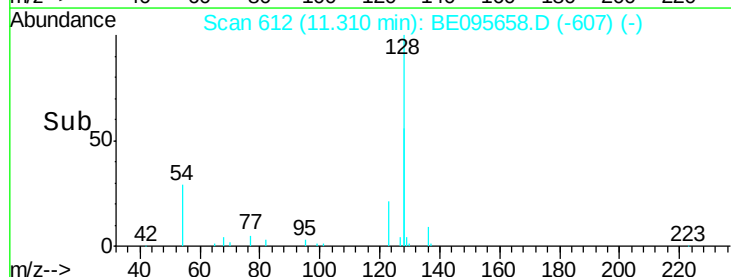
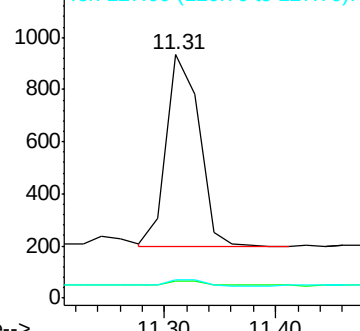
127 7.6 2.8 4.2#

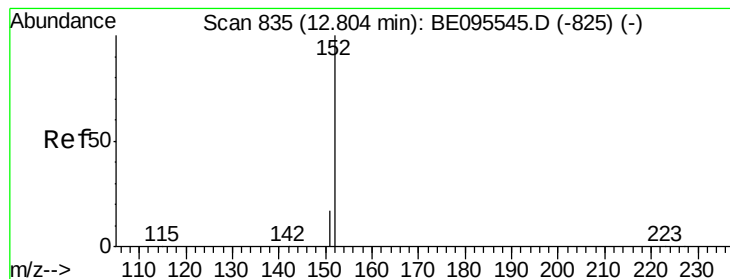


Abundance Ion 128.00 (127.70 to 128.70): BE095545.D (-609) (-)

Ion 129.00 (128.70 to 129.70): BE095545.D (-609) (-)

Ion 127.00 (126.70 to 127.70): BE095545.D (-609) (-)

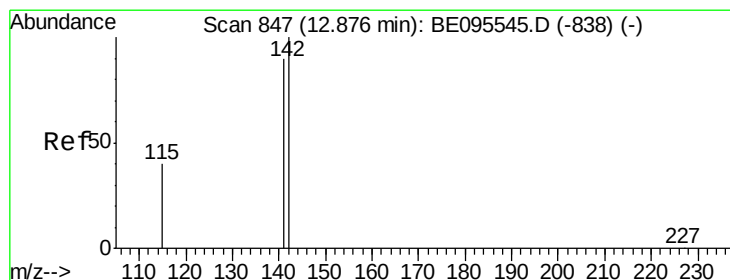
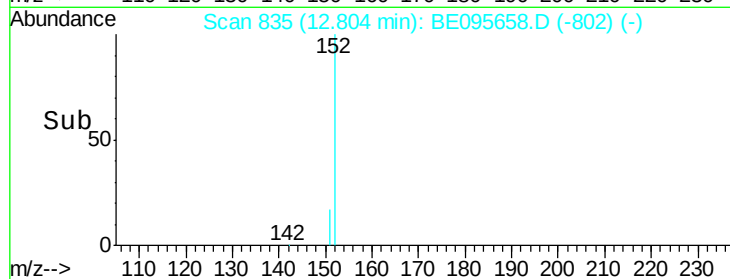
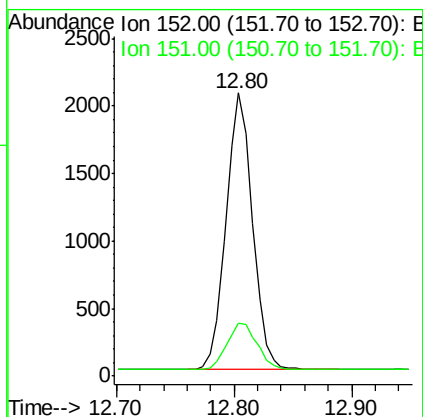
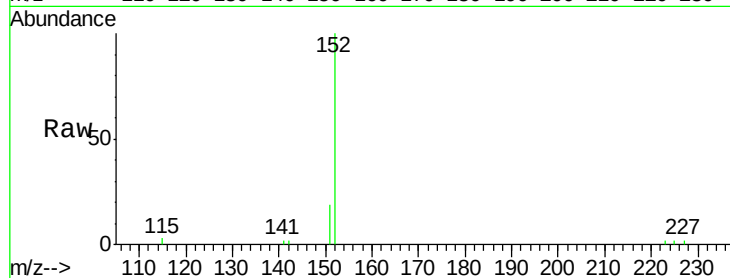




#11
2-Methylnaphthalene-d10
Concen: 0.45 ng
RT: 12.80 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

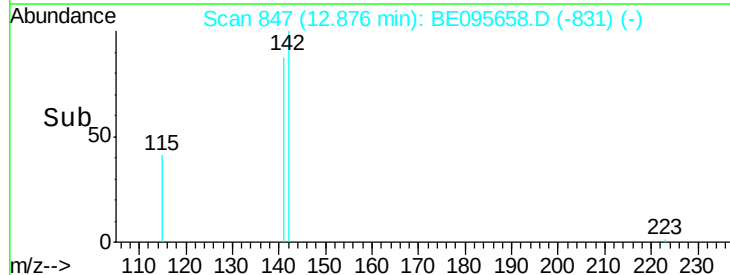
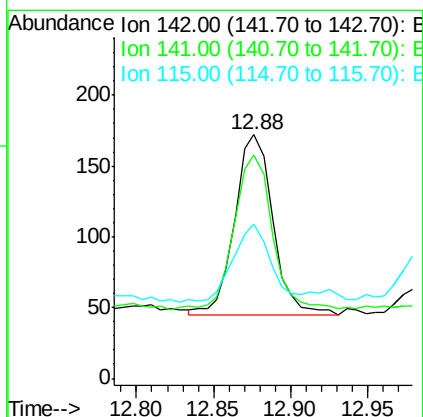
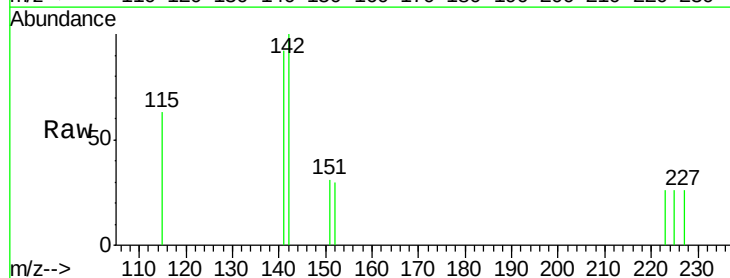
Instrument :
BNA_E
ClientSampleId :

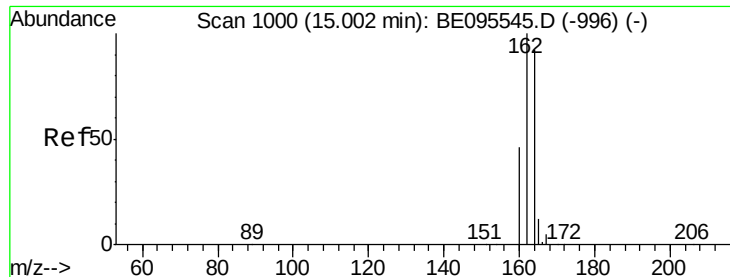
Tot Ion:152 Resp: 3183
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

Tgt Ion:142 Resp: 217
Ion Ratio Lower Upper
142 100
141 91.9 70.4 105.6
115 63.4 31.7 47.5#

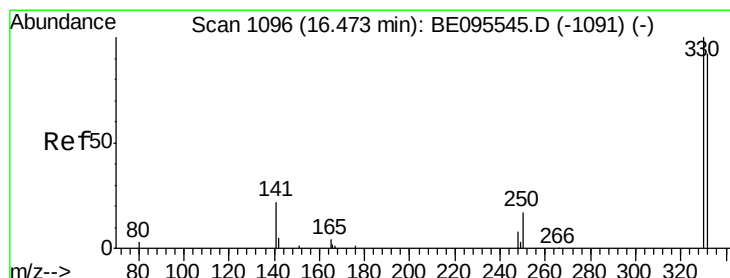
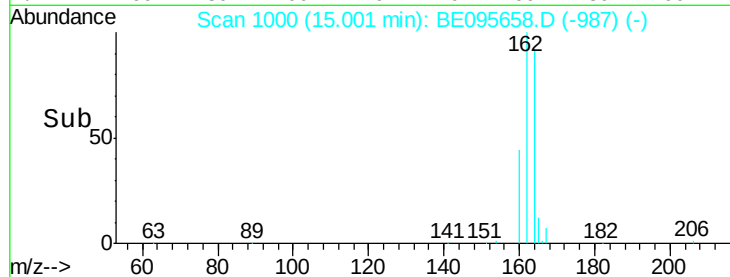
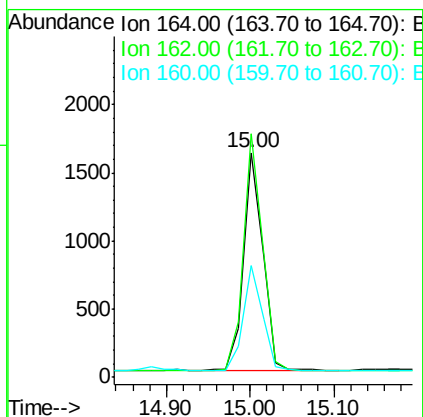
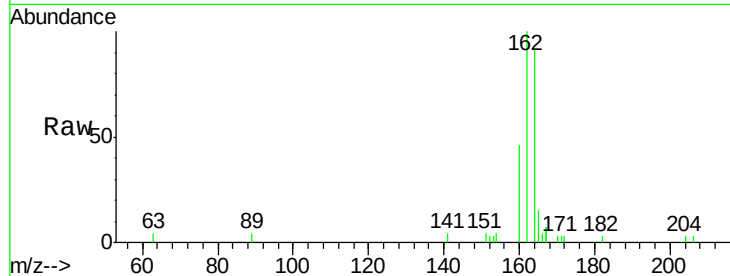




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

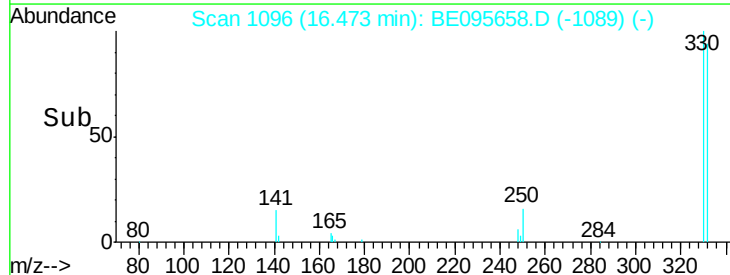
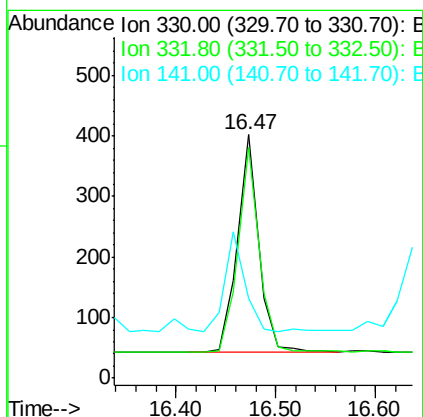
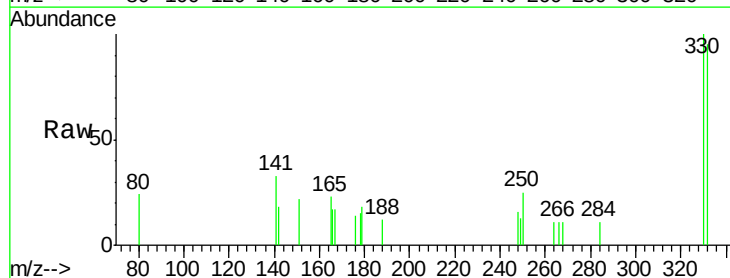
Instrument :
BNA_E
ClientSampleId :

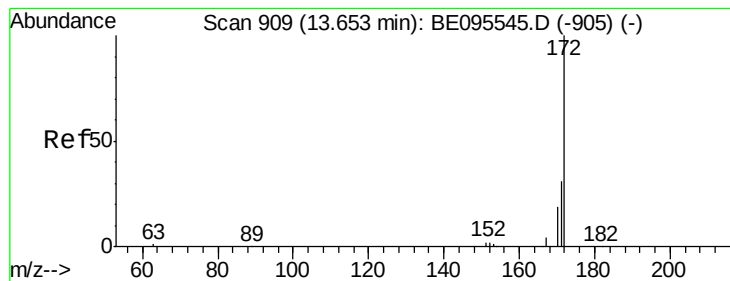
Tot Ion:164 Resp: 2526
Ion Ratio Lower Upper
164 100
162 108.3 83.1 124.7
160 49.5 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.45 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

Tgt Ion:330 Resp: 523
Ion Ratio Lower Upper
330 100
332 95.2 152.7 229.1#
141 44.0 33.7 50.5

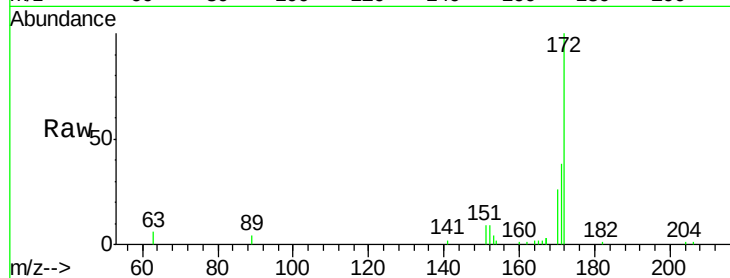




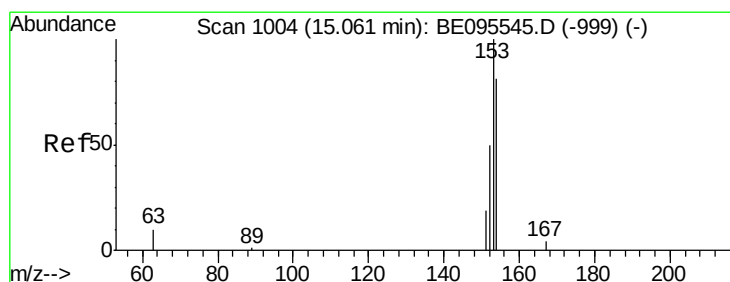
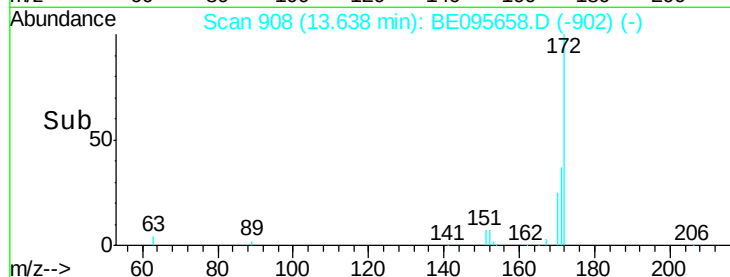
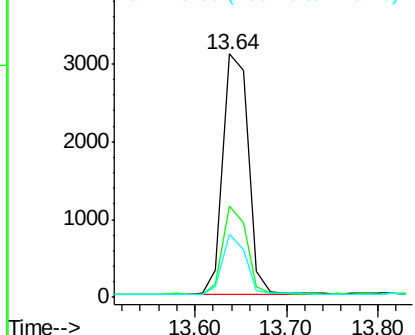
#15
2-Fluorobiphenyl
Concen: 0.54 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.02 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5873
Ion Ratio Lower Upper
172 100
171 37.7 29.9 44.9
170 26.1 21.8 32.8

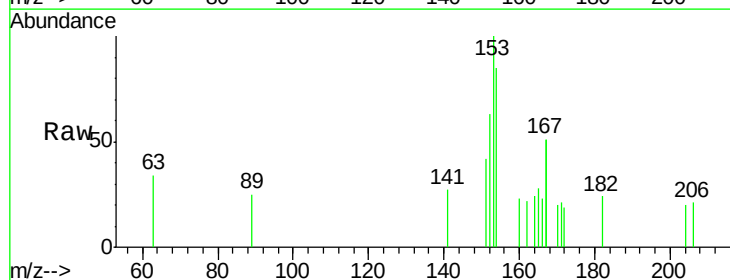


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

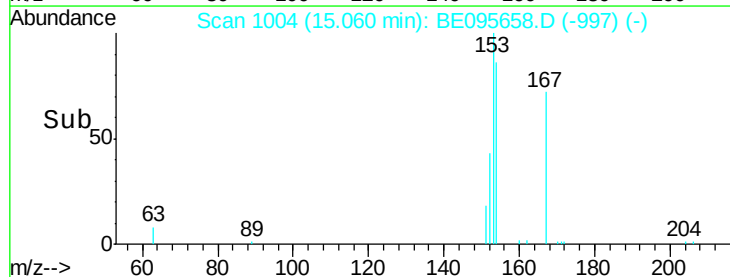
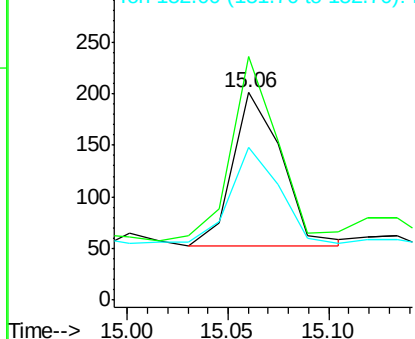


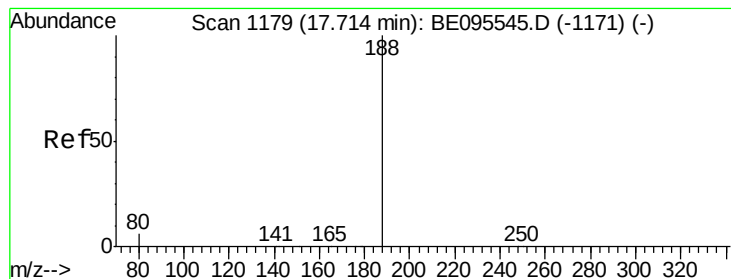
#17
Acenaphthene
Concen: 0.03 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

Tgt Ion:154 Resp: 253
Ion Ratio Lower Upper
154 100
153 111.1 89.2 133.8
152 62.5 42.0 63.0



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





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

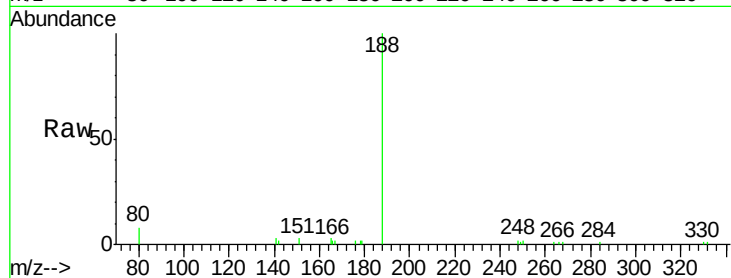
Tot Ion:188 Resp: 5595

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

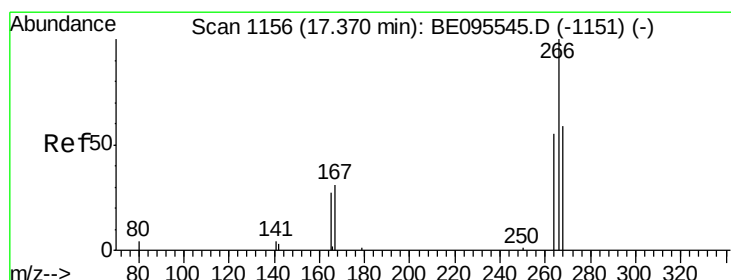
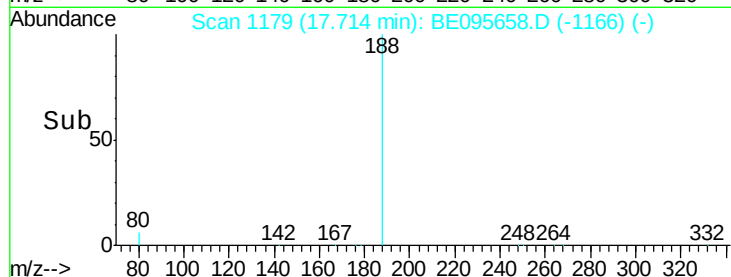
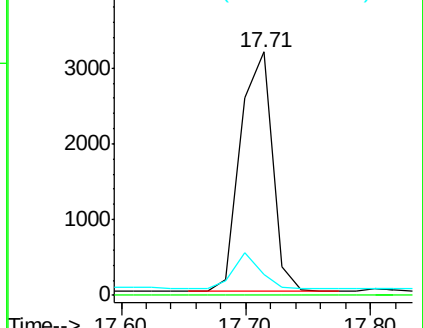
80 8.4 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.23 ng

RT: 17.36 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

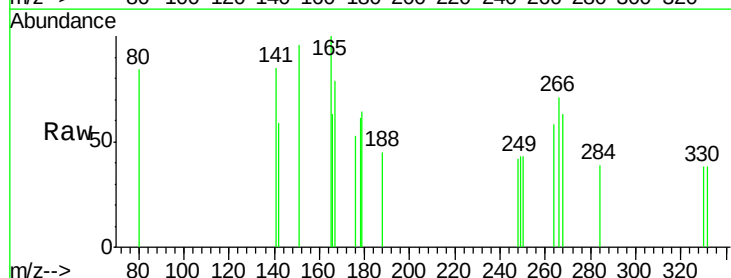
Tgt Ion:266 Resp: 94

Ion Ratio Lower Upper

266 100

264 81.3 72.5 108.7

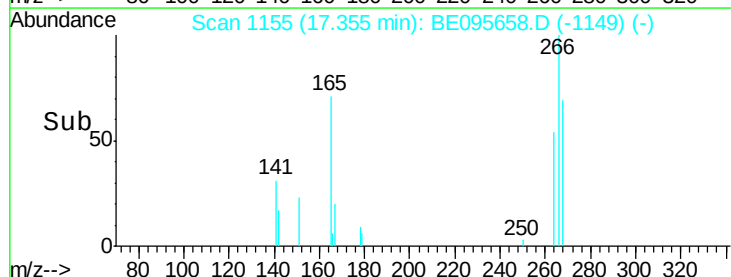
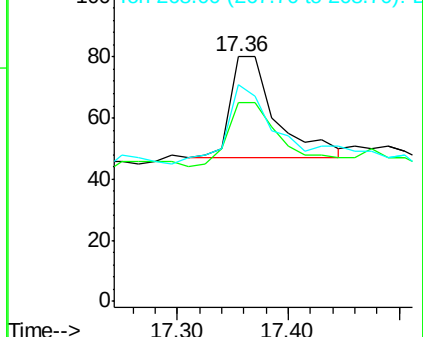
268 88.8 73.8 110.6

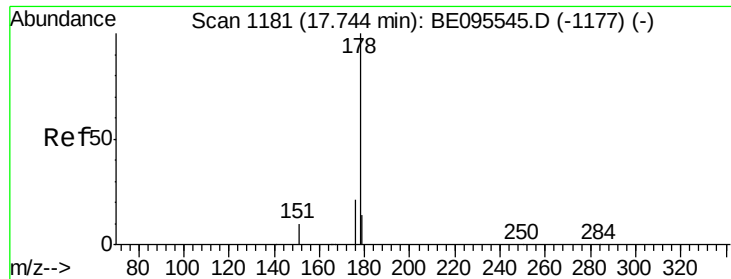


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.04 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

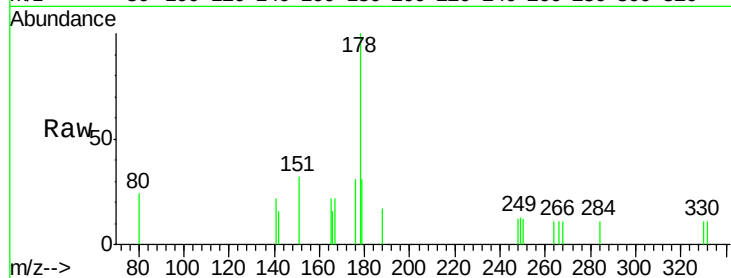
Tot Ion:178 Resp: 606

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

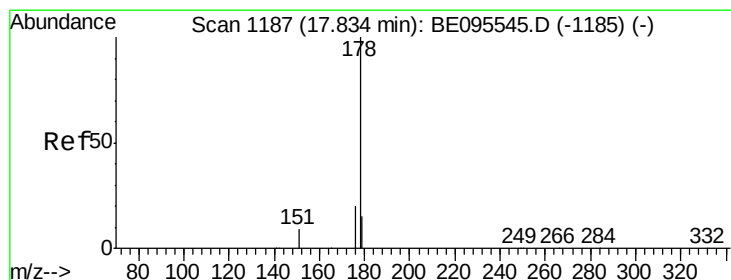
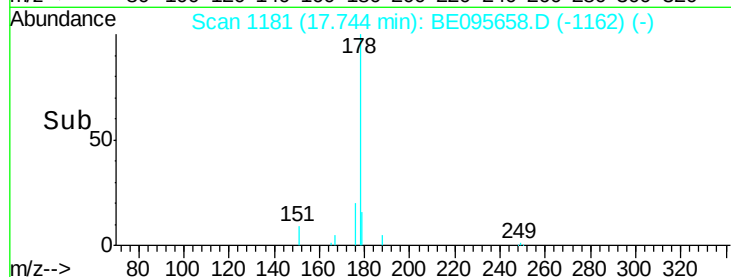
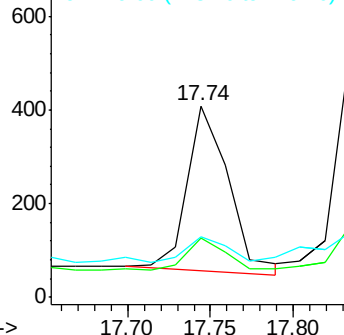
179 14.7 11.8 17.6



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: 0.05 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

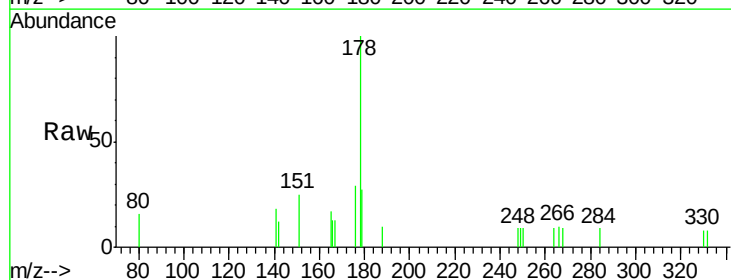
Tgt Ion:178 Resp: 876

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

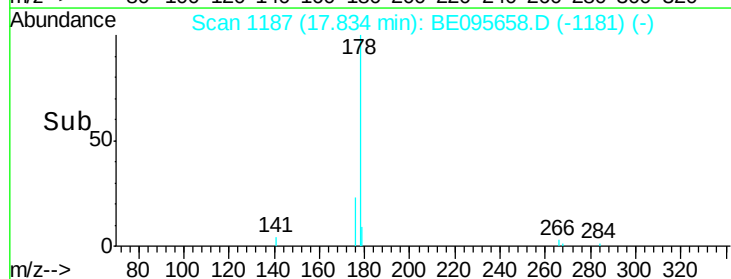
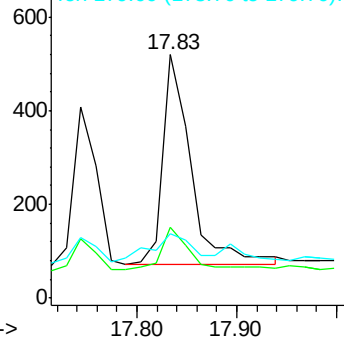
179 21.1 13.0 19.6#

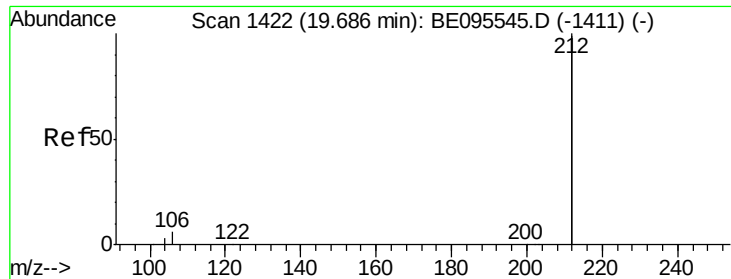


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.46 ng

RT: 19.69 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

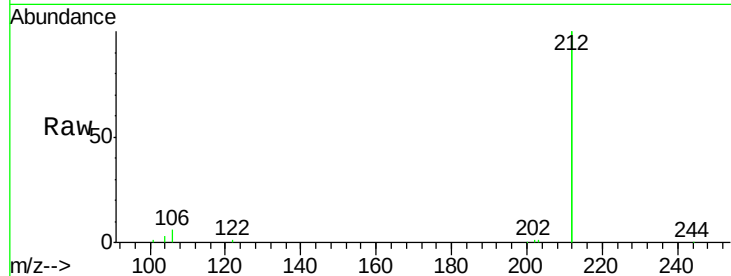
Tot Ion:212 Resp: 34010

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

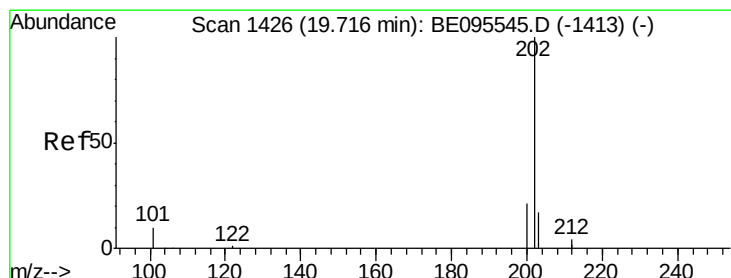
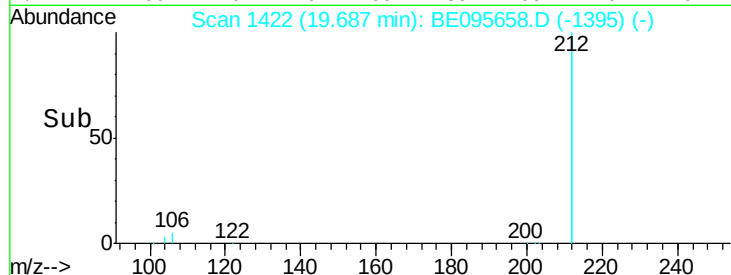
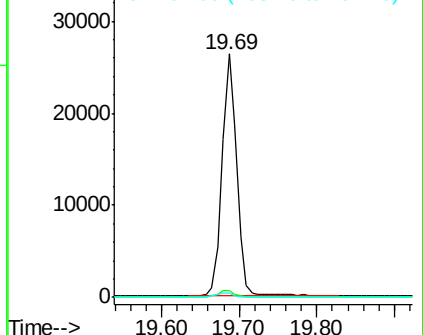
104 1.7 1.6 2.4



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: 0.08 ng

RT: 19.72 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

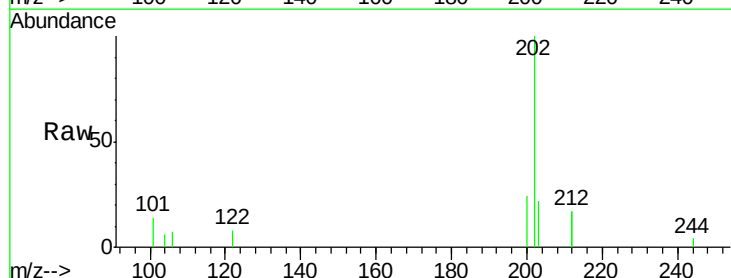
Tgt Ion:202 Resp: 1629

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

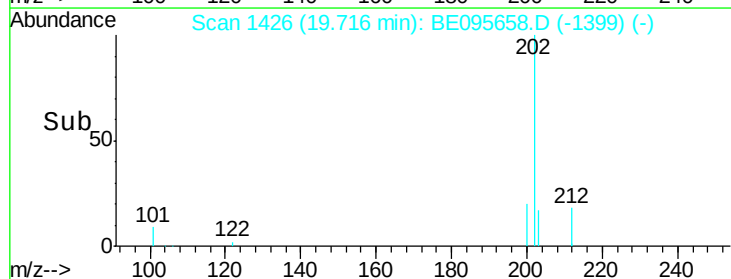
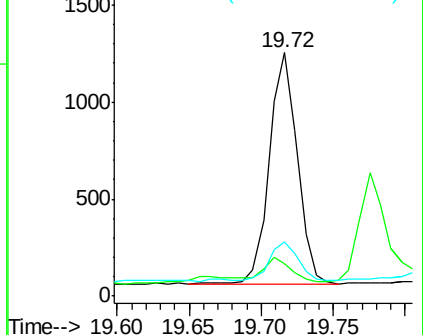
203 16.9 13.7 20.5

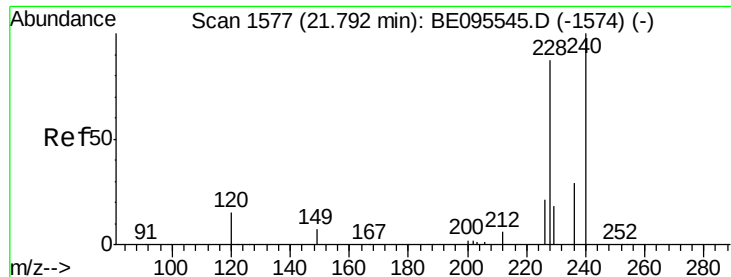


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.79 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

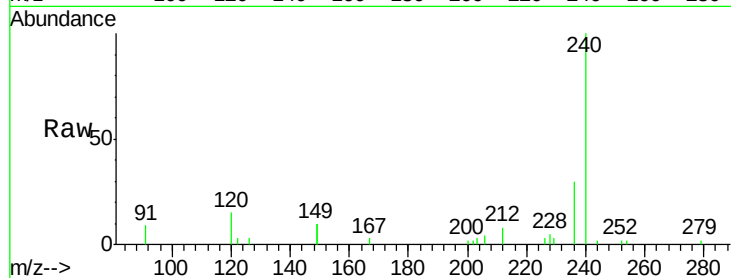
Tot Ion:240 Resp: 5878

Ion Ratio Lower Upper

240 100

120 15.1 5.5 8.3#

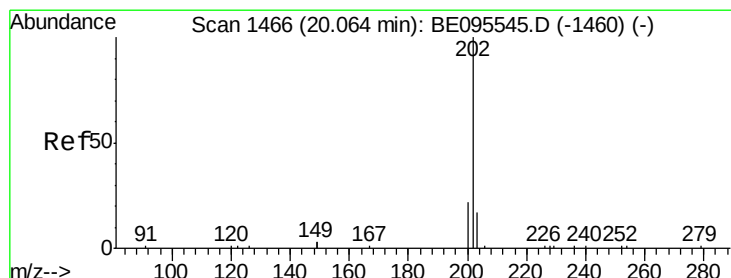
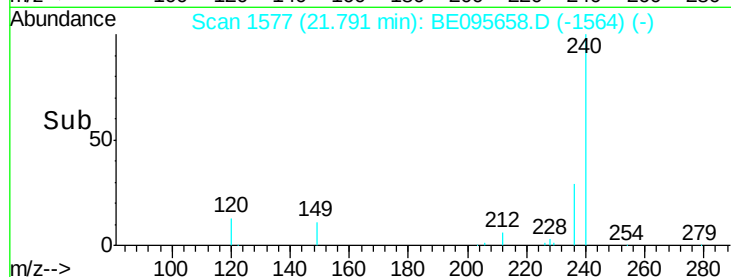
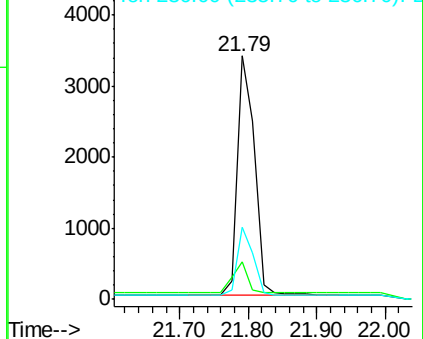
236 29.9 20.7 31.1



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: 0.08 ng

RT: 20.06 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

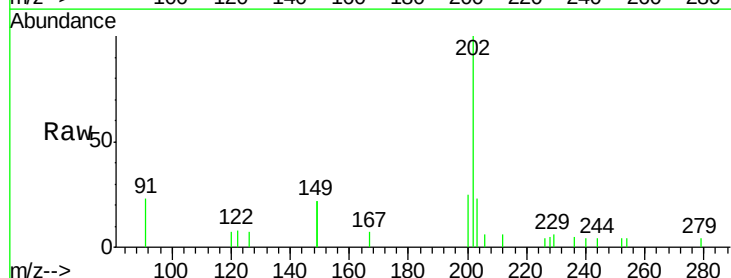
Tgt Ion:202 Resp: 1858

Ion Ratio Lower Upper

202 100

200 18.8 16.6 25.0

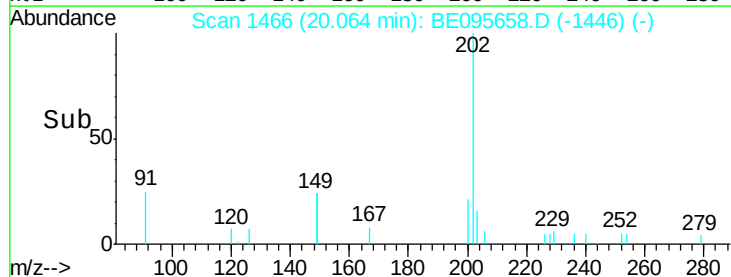
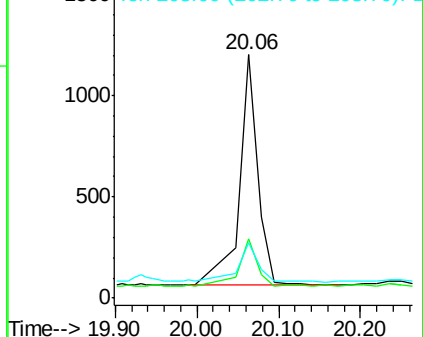
203 18.2 13.8 20.8

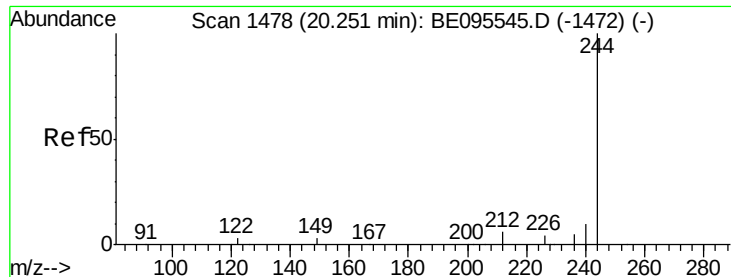


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.62 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

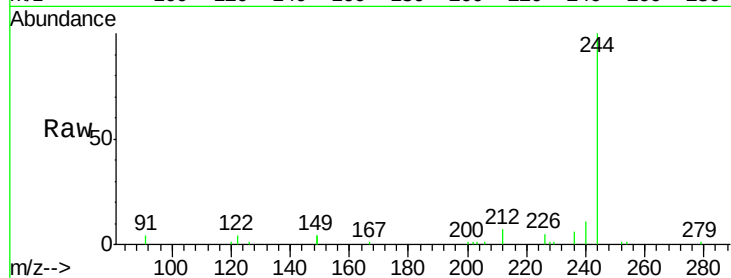
Tot Ion:244 Resp: 7778

Ion Ratio Lower Upper

244 100

212 7.3 25.4 38.0#

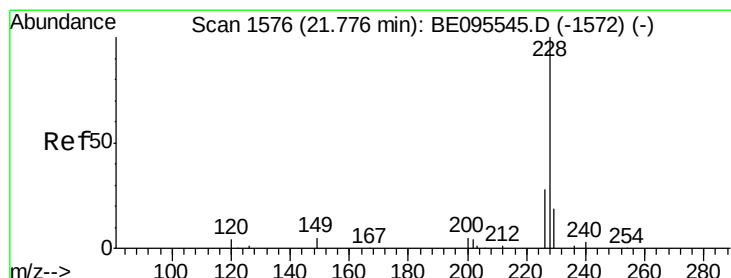
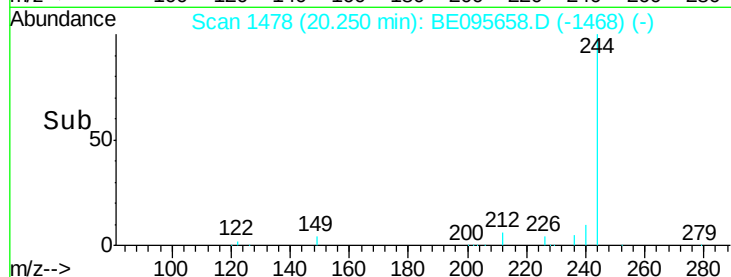
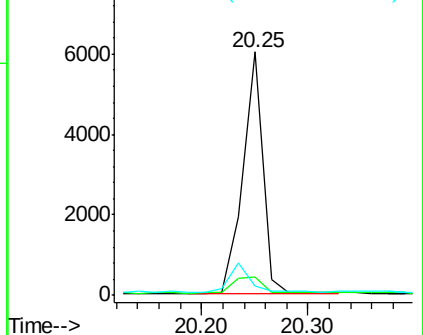
122 3.8 8.1 12.1#



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: 0.03 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

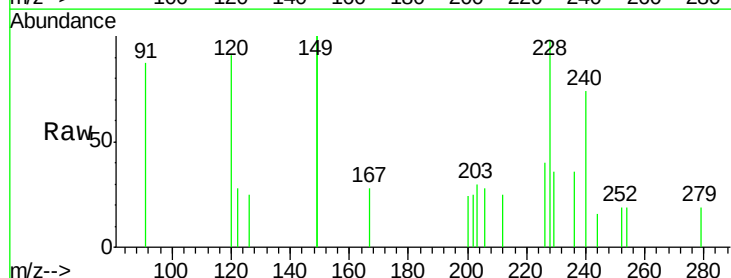
Tgt Ion:228 Resp: 492

Ion Ratio Lower Upper

228 100

226 41.0 24.0 36.0#

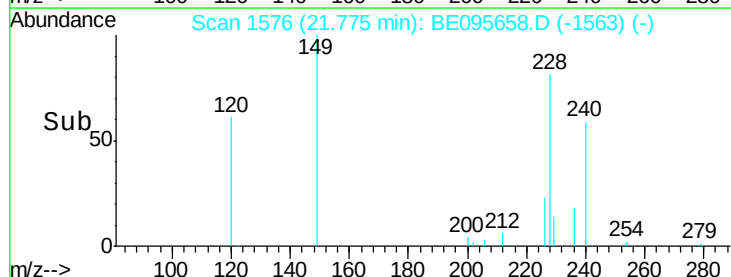
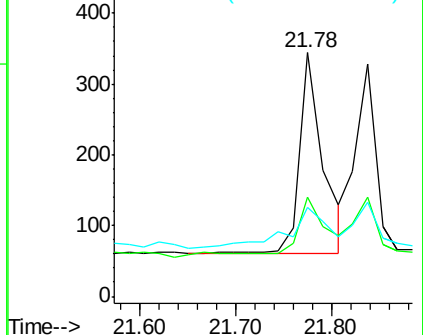
229 36.3 16.0 24.0#

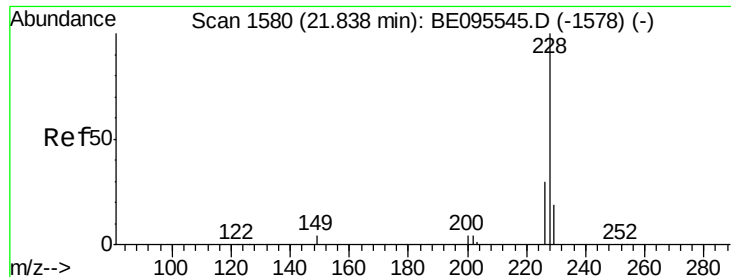


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.02 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

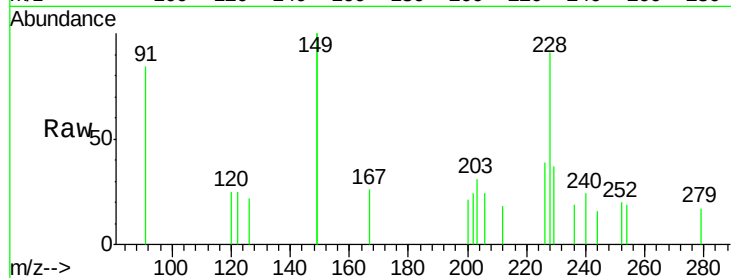
Tot Ion:228 Resp: 394

Ion Ratio Lower Upper

228 100

226 42.9 24.0 36.0#

229 40.4 16.0 24.0#



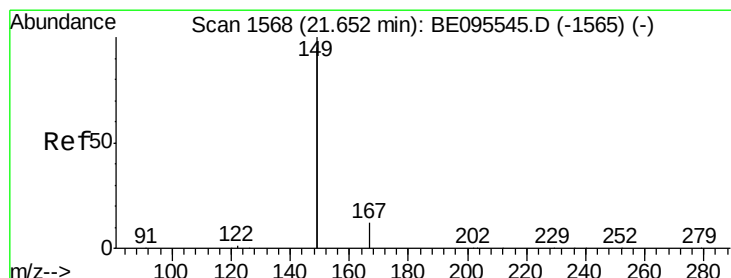
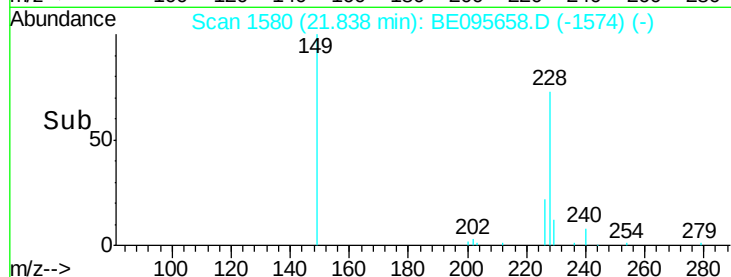
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->

21.80 21.85 21.90 21.95



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.16 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

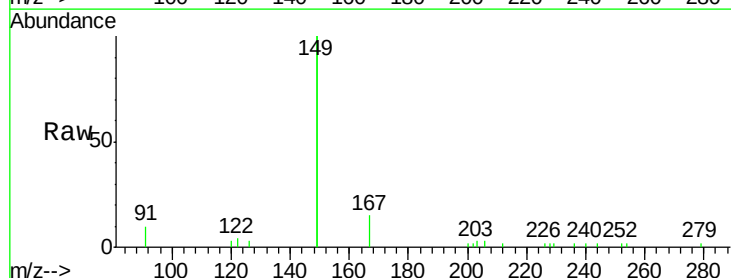
Tgt Ion:149 Resp: 7038

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 0.9 0.7 1.1



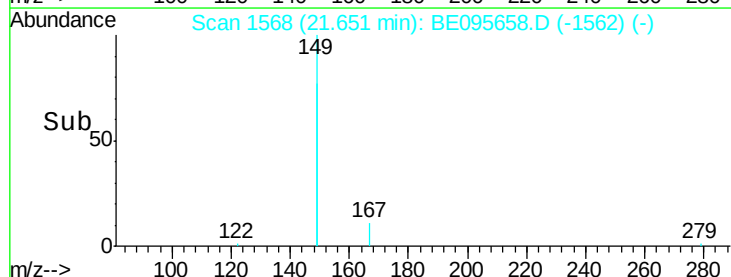
Abundance Ion 149.00 (148.70 to 149.70): E

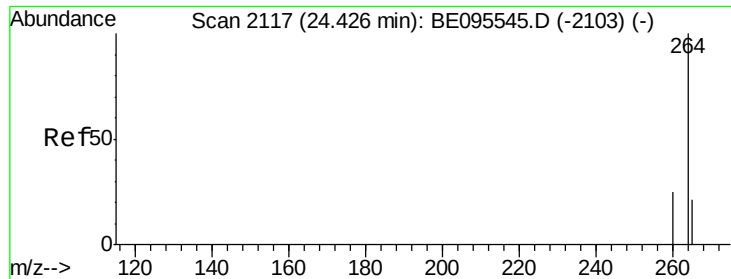
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->

21.60 21.70

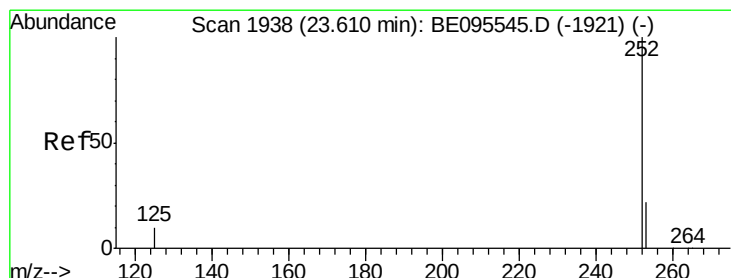
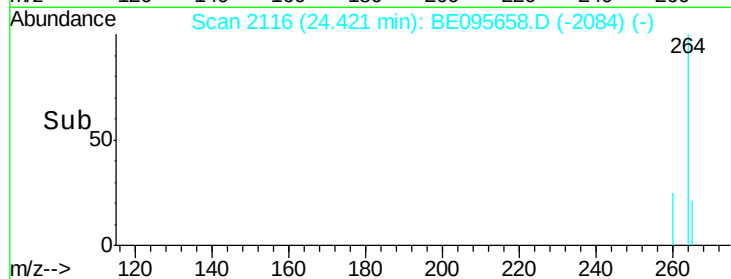
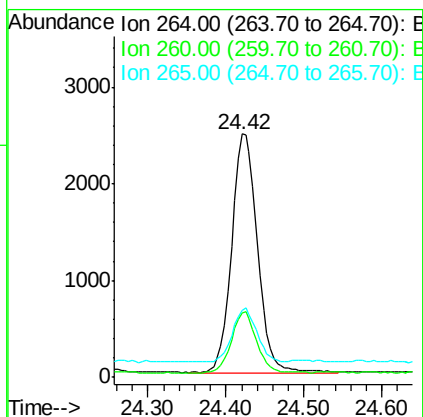
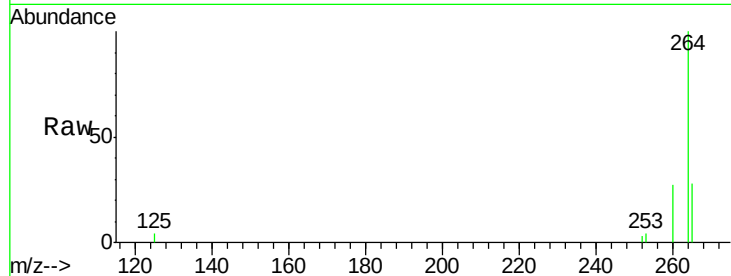




#34
Pervlene-d12
Concen: 0.40 ng
RT: 24.42 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

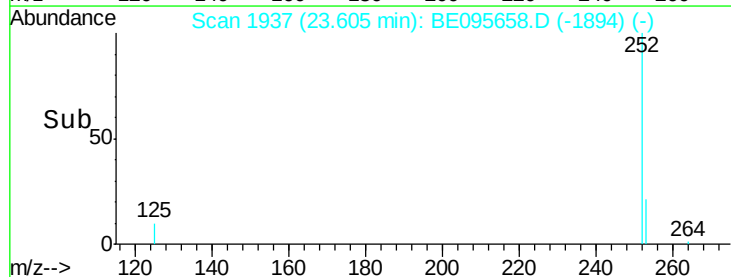
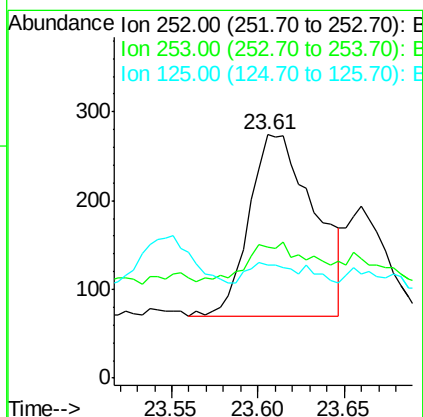
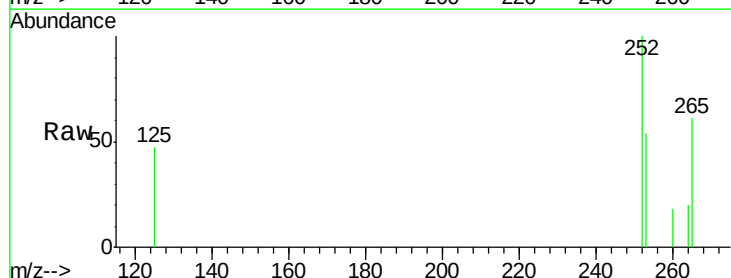
Instrument :
BNA_E
ClientSampleId :

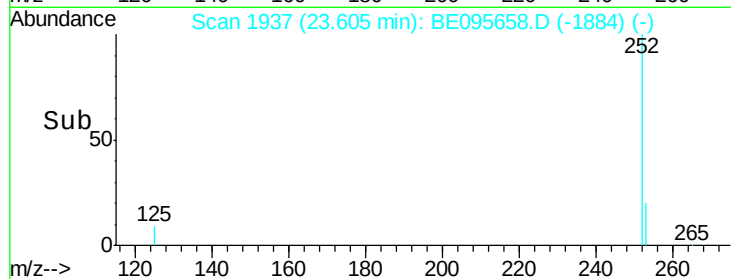
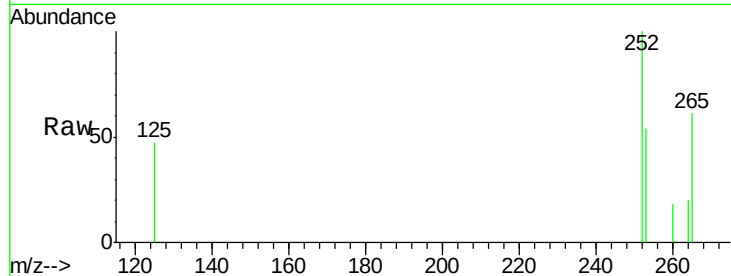
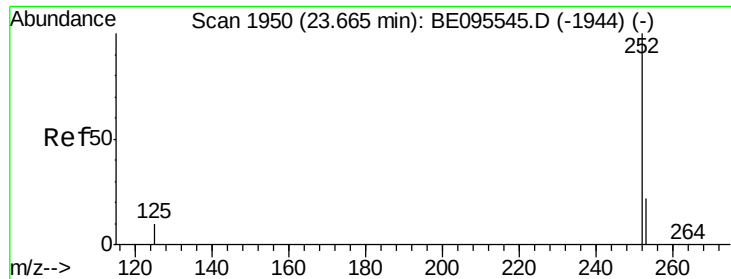
Tot Ion:264 Resp: 5640
Ion Ratio Lower Upper
264 100
260 26.6 20.5 30.7
265 27.6 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.61 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BE095658.D
Acq: 12 Feb 2018 13:06

Tgt Ion:252 Resp: 537
Ion Ratio Lower Upper
252 100
253 54.0 20.0 30.0#
125 46.7 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 23.61 min Scan# 1937

Delta R.T. -0.06 min

Lab File: BE095658.D

Acq: 12 Feb 2018 13:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 252 Resp: 537

Ion Ratio Lower Upper

252 100

253 54.0 16.0 24.0#

125 46.7 8.0 12.0#

