

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
 Data File : BE094461.D
 Acq On : 20 Oct 2017 00:32
 Operator : SJ/JU
 Sample : I5819-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 3916-DB

Quant Time: Oct 20 12:44:03 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1443	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	7420	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4485	0.40	ng	-0.01
19) Phenanthrene-d10	17.23	188	12042	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	9932	0.40	ng	-0.01
34) Perylene-d12	23.94	264	9355	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1066	0.22	ng	0.01
5) Phenol-d6	7.11	99	1040	0.14	ng	-0.01
8) Nitrobenzene-d5	9.06	82	3286	0.51	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5640	0.49	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	591	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7977	0.50	ng	-0.01
25) Fluoranthene-d10	19.27	212	56110	0.29	ng	-0.01
29) Terphenyl-d14	19.85	244	12942	0.65	ng	-0.01

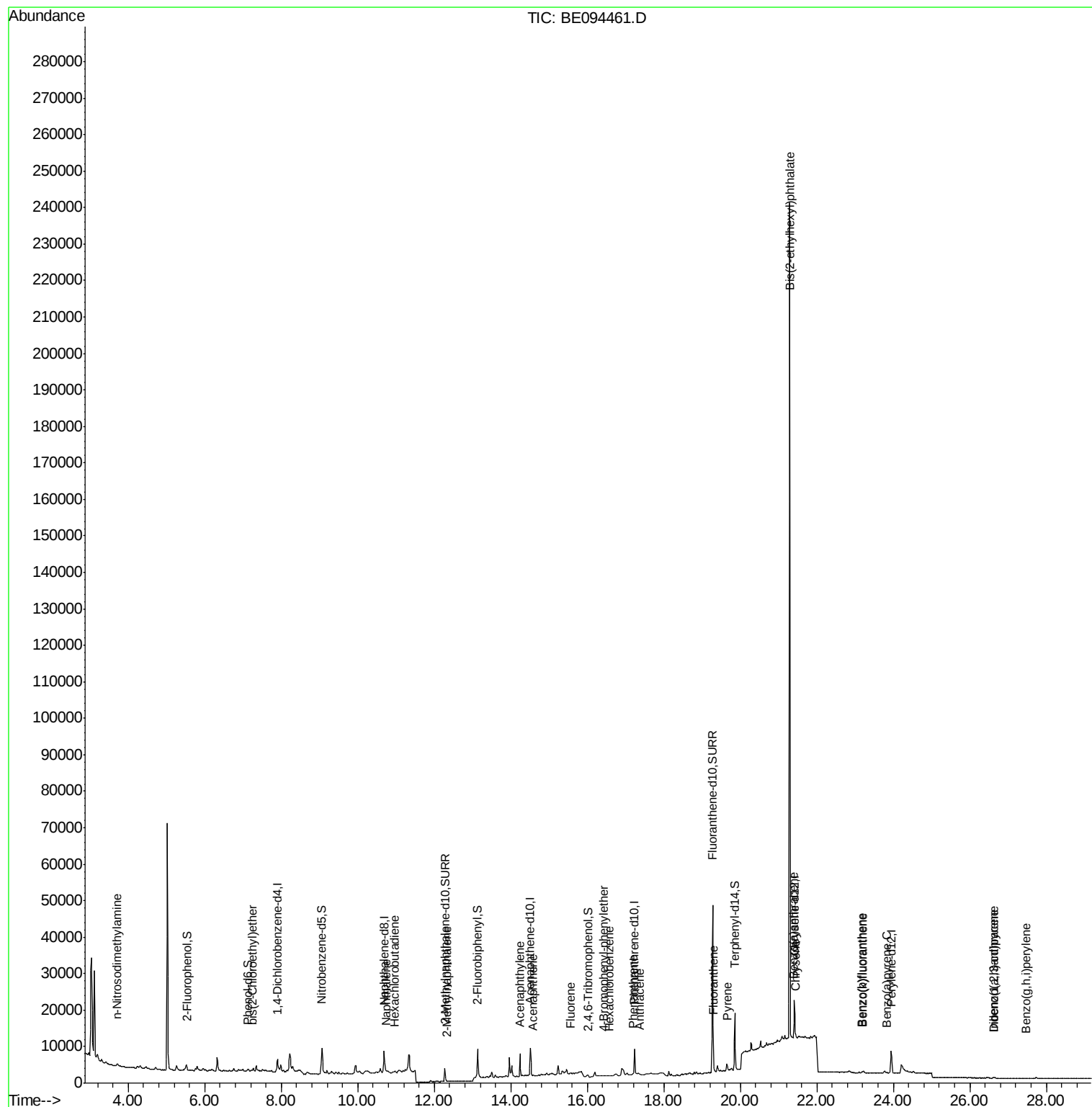
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.71	42	354	0.141	ng	# 4
6) bis(2-Chloroethyl)ether	7.25	93	451	0.080	ng	# 1
9) Naphthalene	10.74	128	467	0.006	ng	# 59
10) Hexachlorobutadiene	10.96	225	4	0.001	ng	# 51
12) 2-Methylnaphthalene	12.34	142	53	0.004	ng	# 34
16) Acenaphthylene	14.23	152	28	0.001	ng	# 1
17) Acenaphthene	14.58	154	156	0.010	ng	# 1
18) Fluorene	15.56	166	114	0.006	ng	# 1
20) 4-Bromophenyl-phenylether	16.42	248	12	0.002	ng	# 1
21) Hexachlorobenzene	16.58	284	10	0.028	ng	# 38
23) Phenanthrene	17.20	178	1162	0.025	ng	# 44
24) Anthracene	17.36	178	329	0.009	ng	# 62
26) Fluoranthene	19.30	202	970	0.016	ng	# 34
28) Pyrene	19.66	202	1670	0.045	ng	# 86
30) Benzo(a)anthracene	21.40	228	632	0.018	ng	# 57
31) Chrysene	21.45	228	724	0.022	ng	# 62
32) Bis(2-ethylhexyl)phthalate	21.29	149	263150	2.660	ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	401	0.012	ng	# 61
35) Benzo(b)fluoranthene	23.16	252	419	0.013	ng	# 26
36) Benzo(k)fluoranthene	23.21	252	614	0.020	ng	# 47
37) Benzo(a)pyrene	23.83	252	384	0.013	ng	# 31
38) Dibenzo(a,h)anthracene	26.63	278	285	0.010	ng	# 8
39) Benzo(g,h,i)perylene	27.46	276	150	0.006	ng	# 28

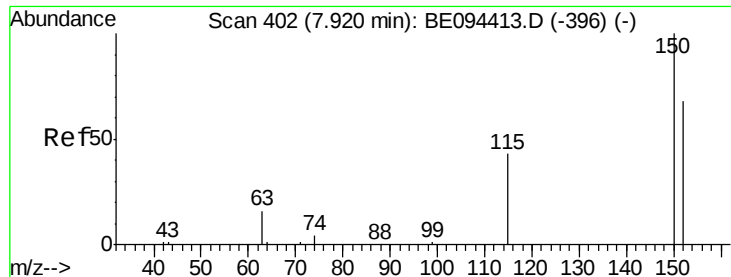
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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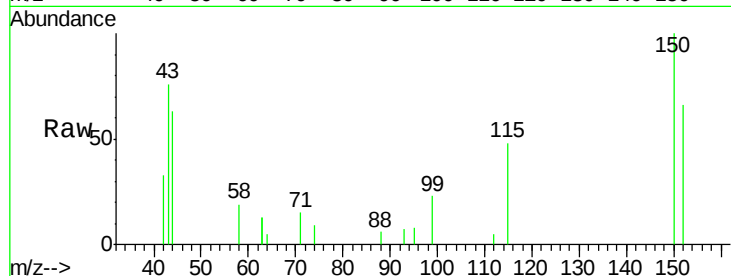


#1

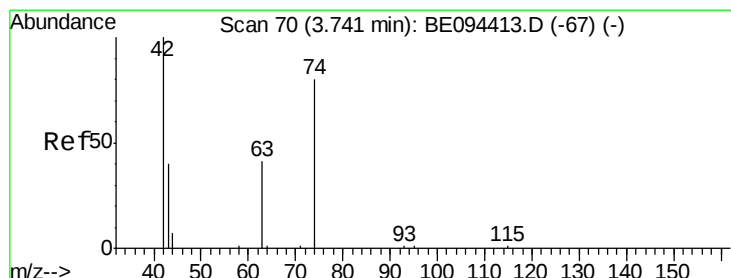
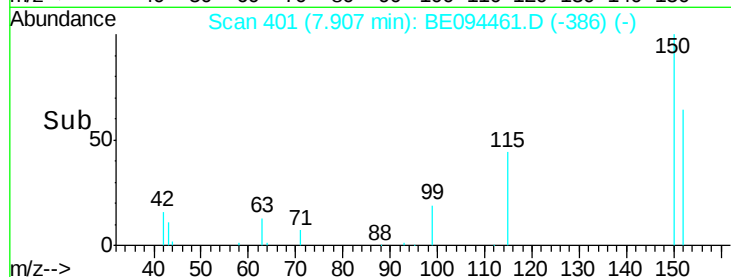
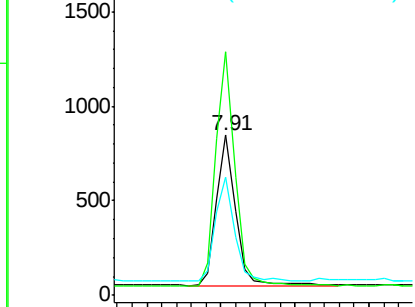
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.01 min
Lab File: BE094461.D
Acq: 20 Oct 2017 00:32

Instrument :
BNA_E
ClientSampleId :
3916-DB

Tgt Ion:152 Resp: 1443
Ion Ratio Lower Upper
152 100
150 152.1 117.2 175.8
115 73.4 57.0 85.6



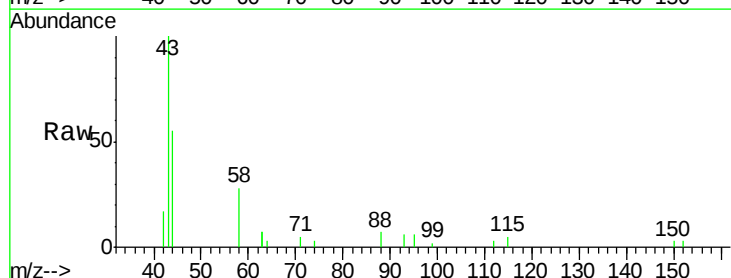
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



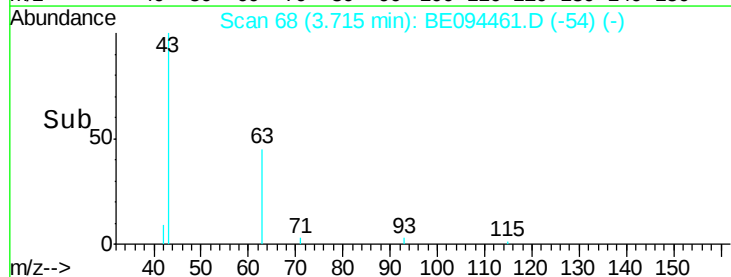
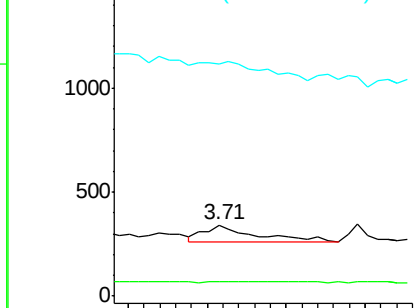
#3

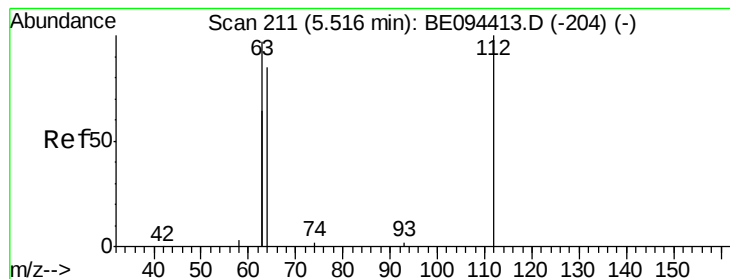
n-Nitrosodimethylamine
Concen: 0.141 ng
RT: 3.71 min Scan# 68
Delta R.T. -0.03 min
Lab File: BE094461.D
Acq: 20 Oct 2017 00:32

Tgt Ion: 42 Resp: 354
Ion Ratio Lower Upper
42 100
74 5.6 100.3 150.5#
44 0.0 17.0 25.4#



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: 0.219 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

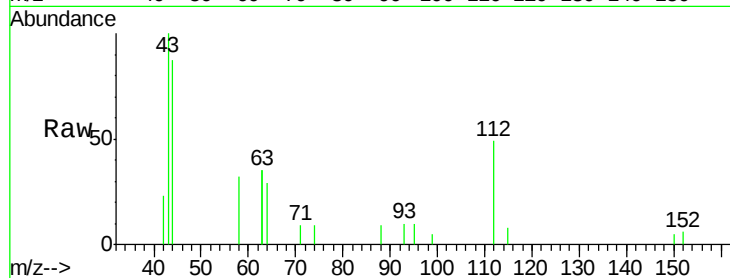
Tgt Ion: 112 Resp: 1066

Ion Ratio Lower Upper

112 100

64 69.4 60.1 90.1

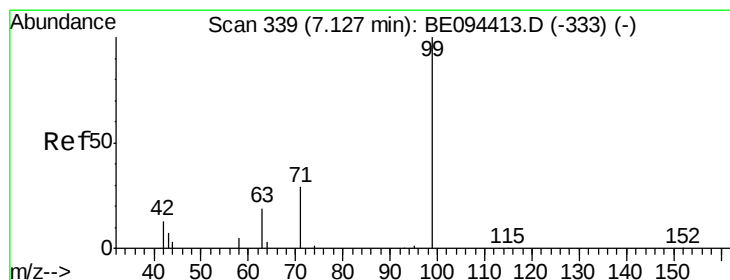
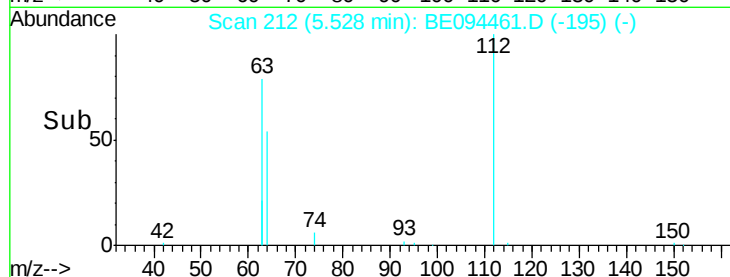
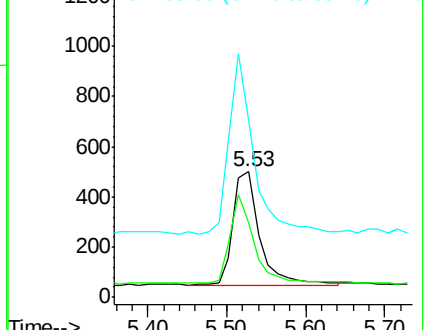
63 144.8 116.8 175.2



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: 0.137 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

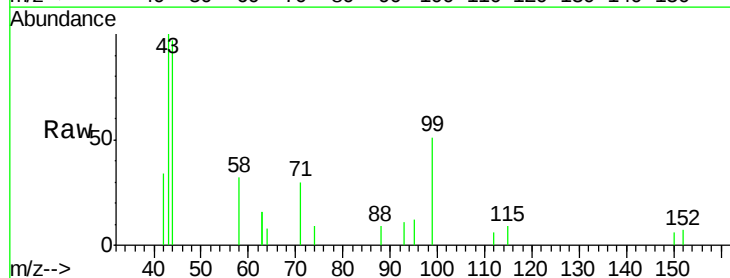
Tgt Ion: 99 Resp: 1040

Ion Ratio Lower Upper

99 100

42 14.4 20.2 30.2#

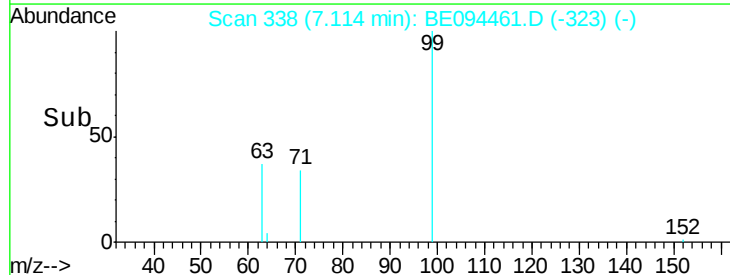
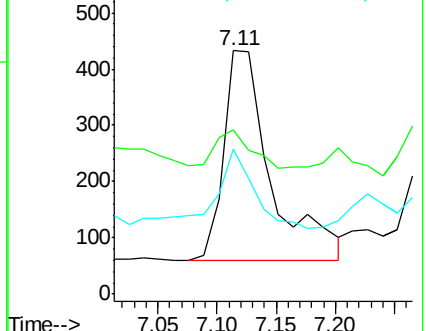
71 33.1 28.4 42.6

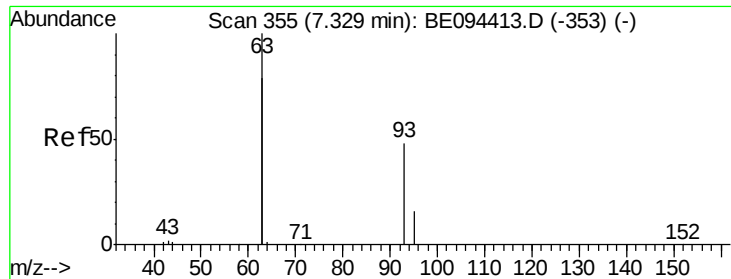


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.080 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampled :

3916-DB

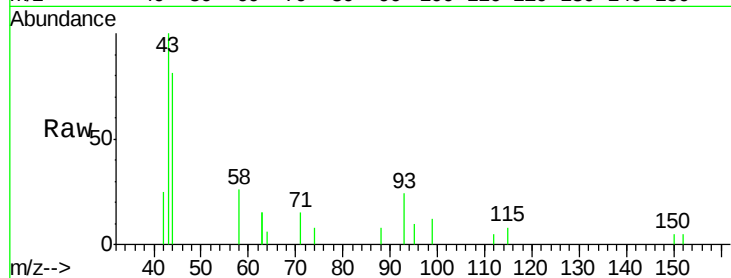
Tgt Ion: 93 Resp: 451

Ion Ratio Lower Upper

93 100

63 14.6 275.3 412.9#

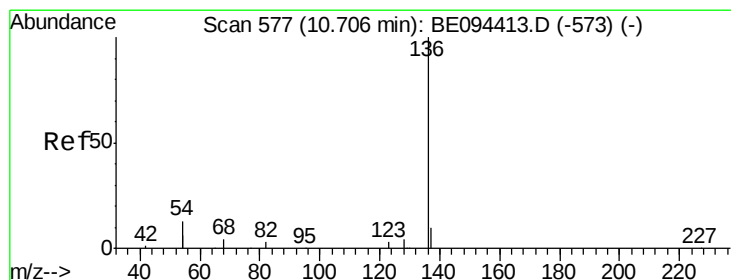
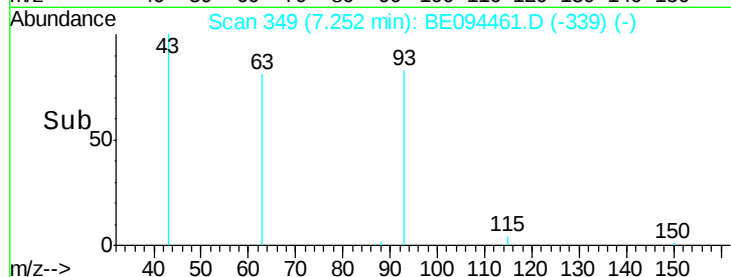
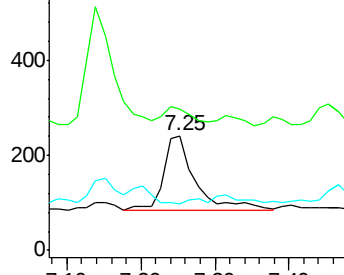
95 0.0 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Tgt Ion: 136 Resp: 7420

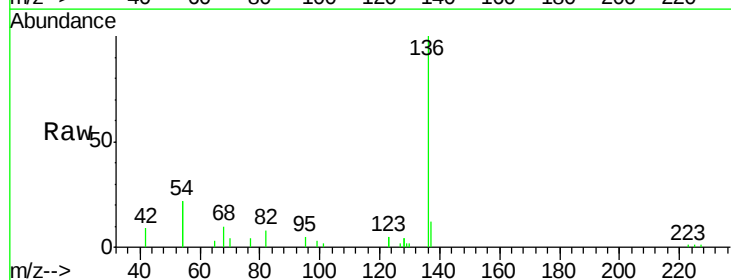
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 44.9 29.1 43.7#

68 10.3 6.2 9.2#

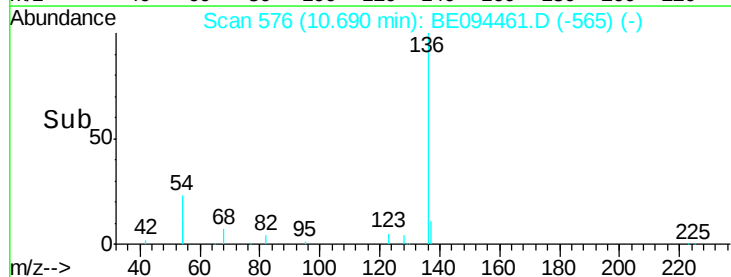
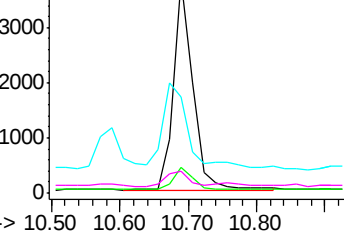


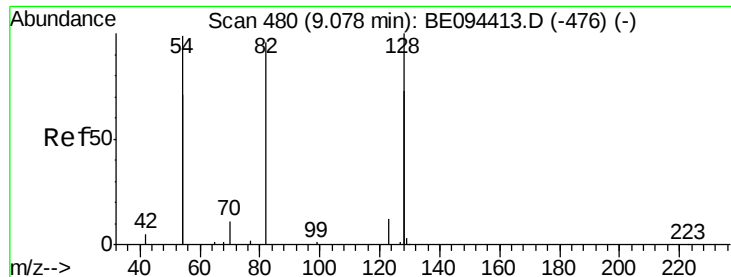
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.510 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

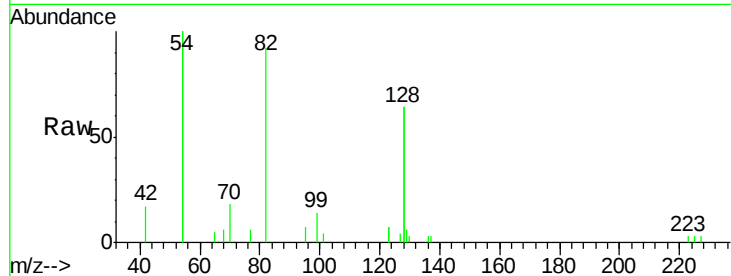
Tgt Ion: 82 Resp: 3286

Ion Ratio Lower Upper

82 100

128 138.3 150.0 225.0#

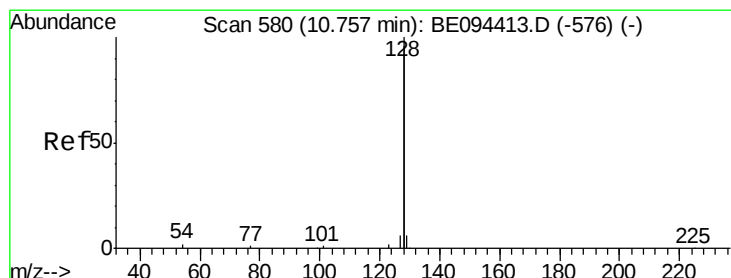
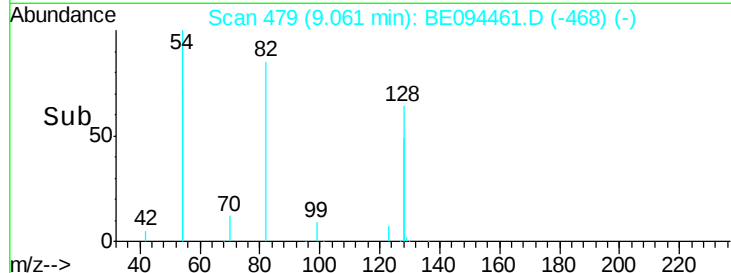
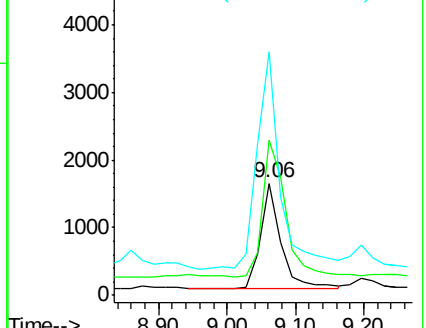
54 216.9 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094461.D (-468) (-)

Ion 128.00 (127.70 to 128.70): BE094461.D (-468) (-)

Ion 54.00 (53.70 to 54.70): BE094461.D (-468) (-)



#9

Naphthalene

Concen: 0.006 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

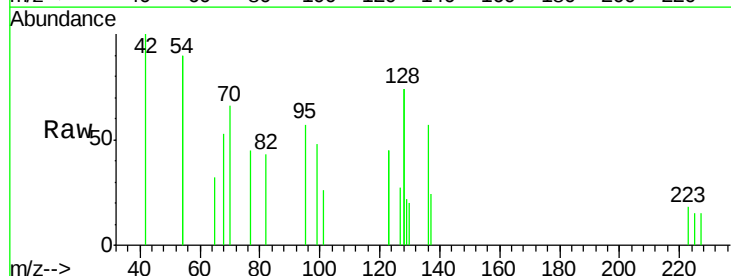
Tgt Ion: 128 Resp: 467

Ion Ratio Lower Upper

128 100

129 15.2 2.6 3.8#

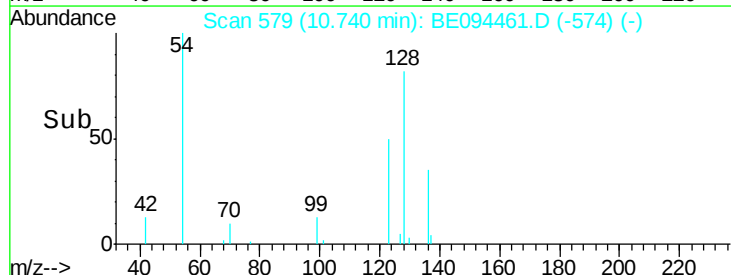
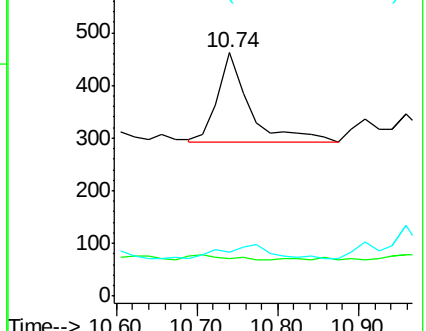
127 18.2 2.8 4.2#

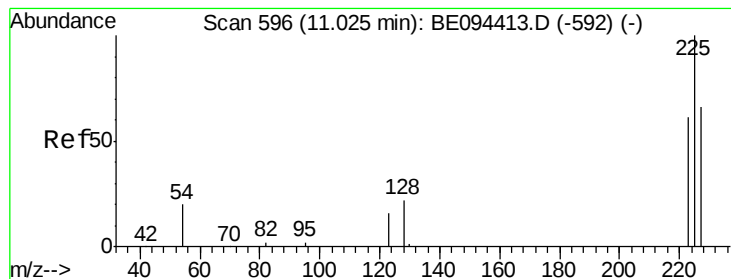


Abundance Ion 128.00 (127.70 to 128.70): BE094461.D (-574) (-)

Ion 129.00 (128.70 to 129.70): BE094461.D (-574) (-)

Ion 127.00 (126.70 to 127.70): BE094461.D (-574) (-)





#10

Hexachlorobutadiene

Concen: 0.001 ng

RT: 10.96 min Scan# 592

Delta R.T. -0.07 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

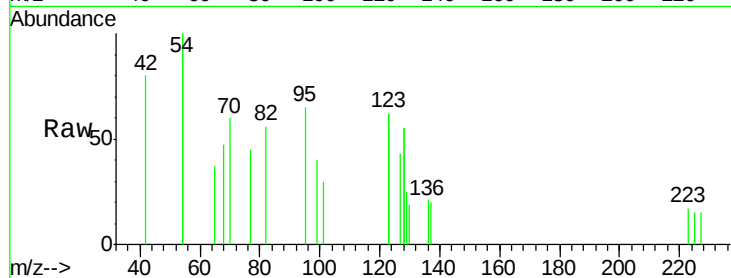
Instrument :

BNA_E

ClientSampleId :

3916-DB

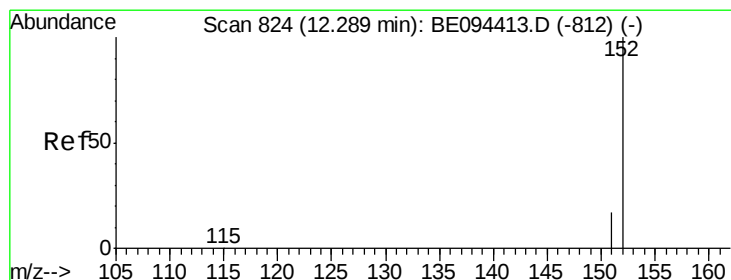
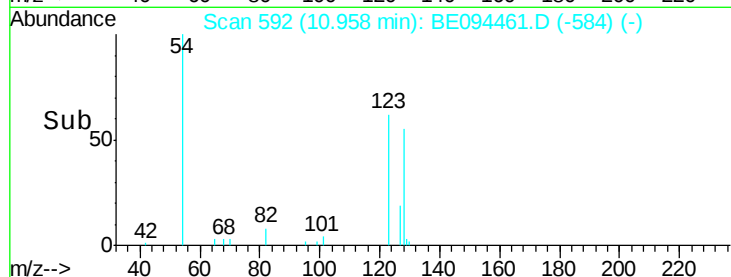
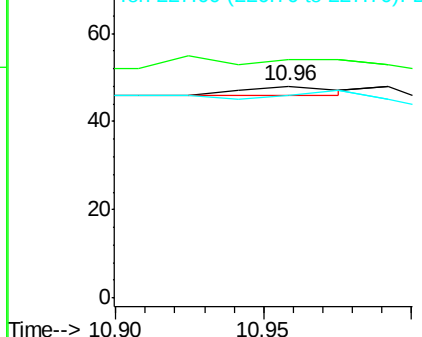
Tgt Ion:	225	Resp:	4
Ion	Ratio	Lower	Upper
225	100		
223	0.0	53.0	79.6#
227	75.0	51.4	77.2



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: 0.493 ng

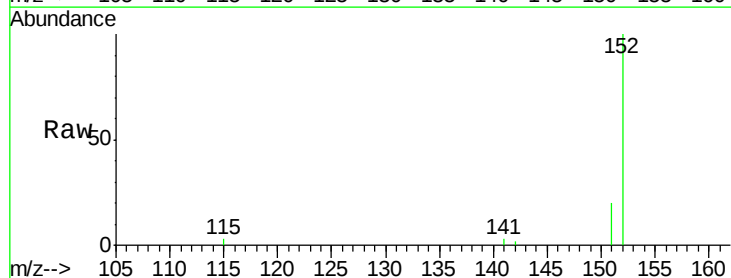
RT: 12.28 min Scan# 821

Delta R.T. -0.01 min

Lab File: BE094461.D

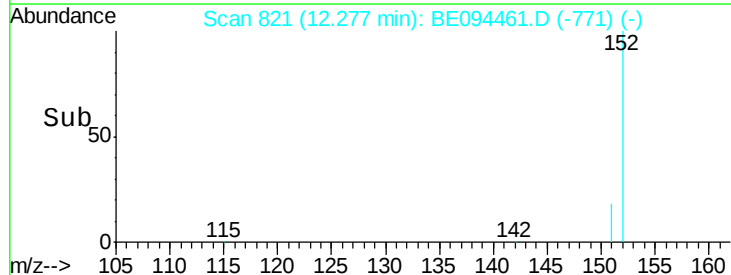
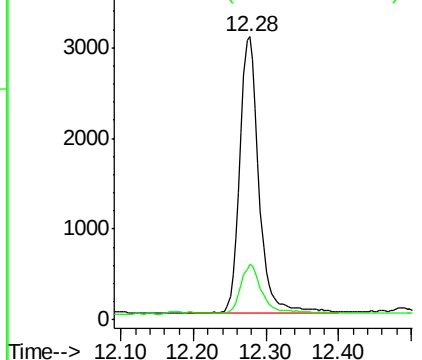
Acq: 20 Oct 2017 00:32

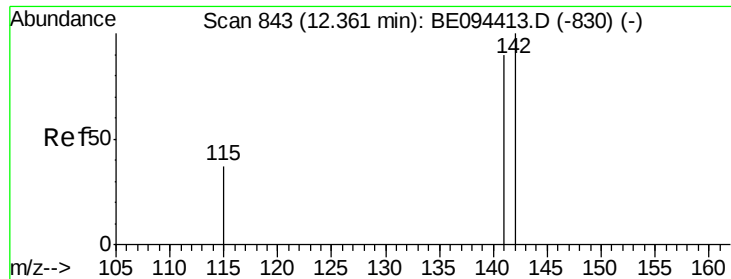
Tgt Ion:	152	Resp:	5640
Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

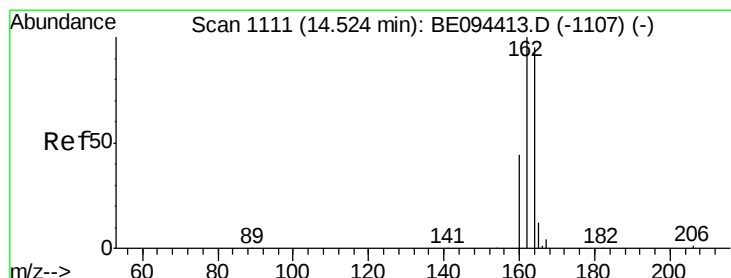
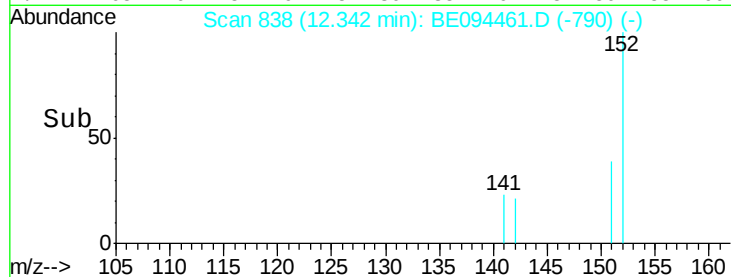
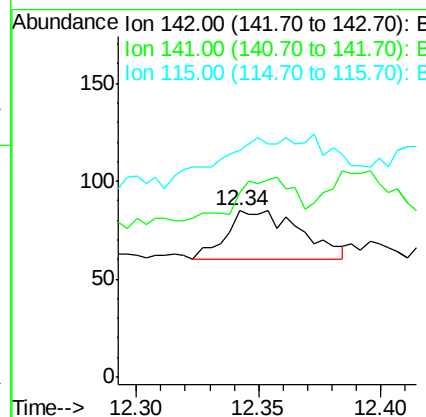
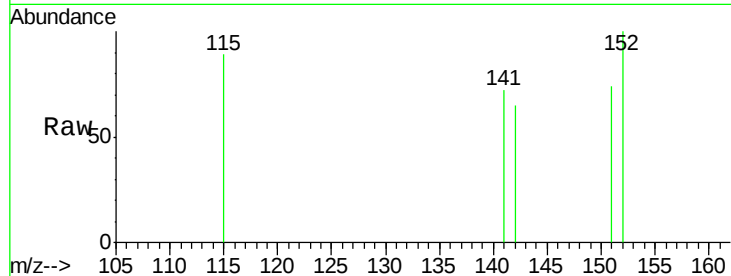




#12
2-Methylnaphthalene
Concen: 0.004 ng
RT: 12.34 min Scan# 838
Delta R.T. -0.02 min
Lab File: BE094461.D
Acq: 20 Oct 2017 00:32

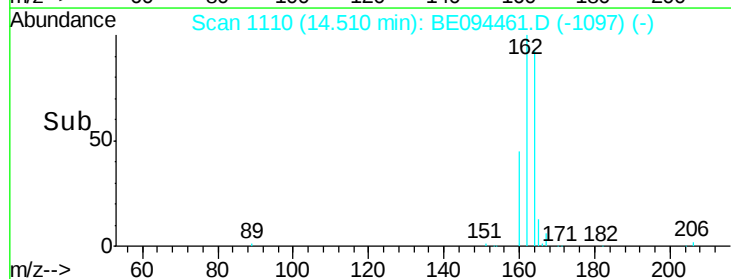
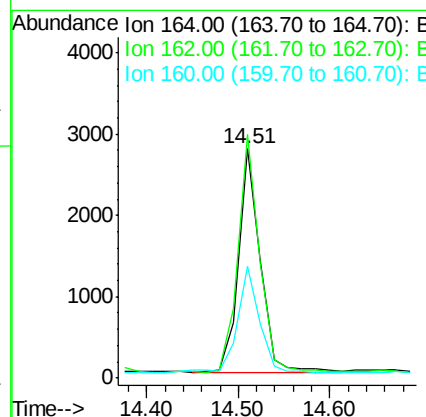
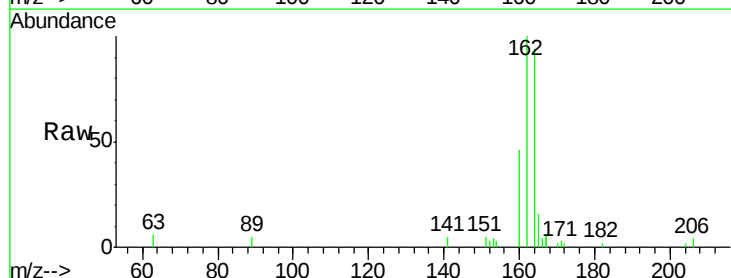
Instrument :
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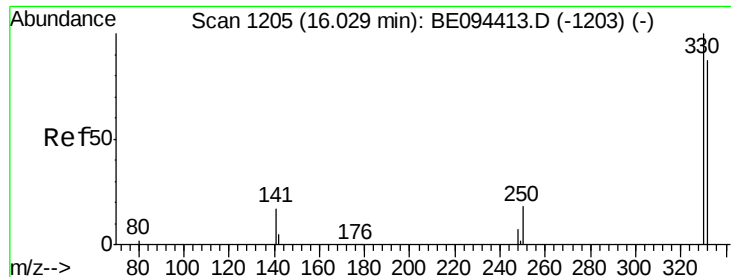
Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
141 110.6 70.4 105.6#
115 136.5 31.7 47.5#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE094461.D
Acq: 20 Oct 2017 00:32

Tgt Ion:164 Resp: 4485
Ion Ratio Lower Upper
164 100
162 106.3 83.1 124.7
160 48.8 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.346 ng

RT: 16.03 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleID :

3916-DB

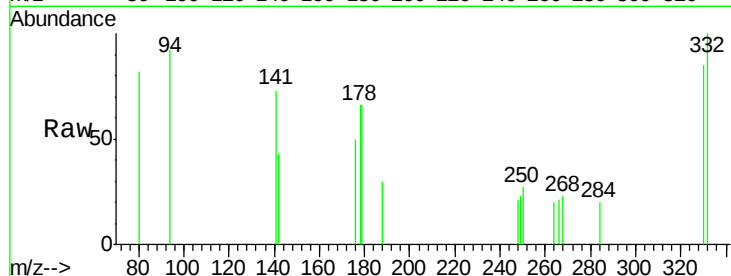
Tgt Ion:330 Resp: 591

Ion Ratio Lower Upper

330 100

332 99.7 152.7 229.1#

141 0.0 33.7 50.5#

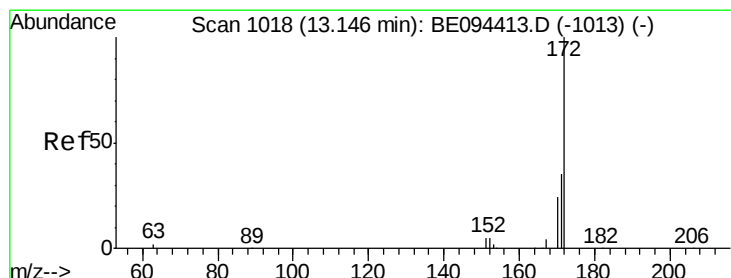
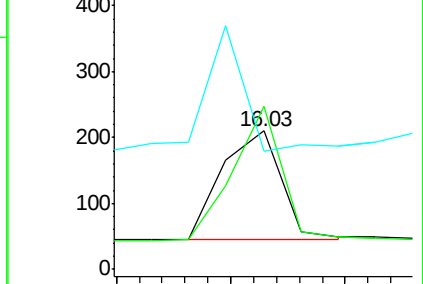
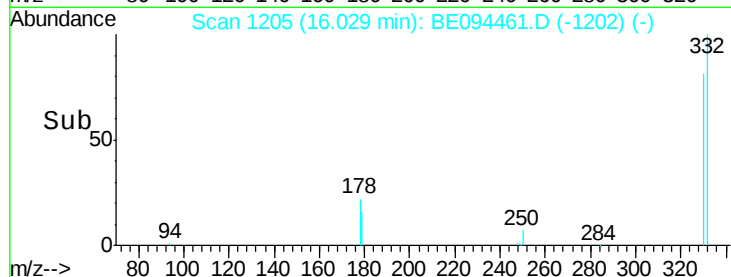


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time--> 15.90 16.00 16.10



#15

2-Fluorobiphenyl

Concen: 0.498 ng

RT: 13.13 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

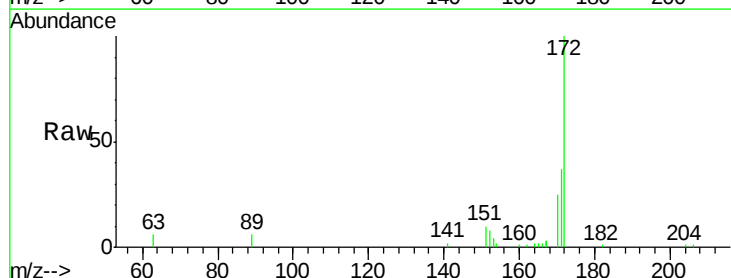
Tgt Ion:172 Resp: 7977

Ion Ratio Lower Upper

172 100

171 37.0 29.9 44.9

170 25.1 21.8 32.8

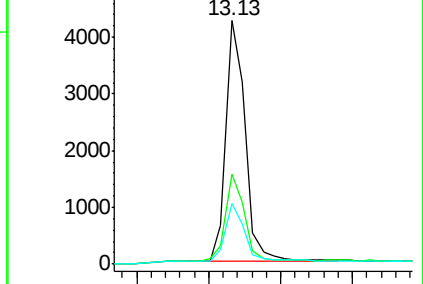
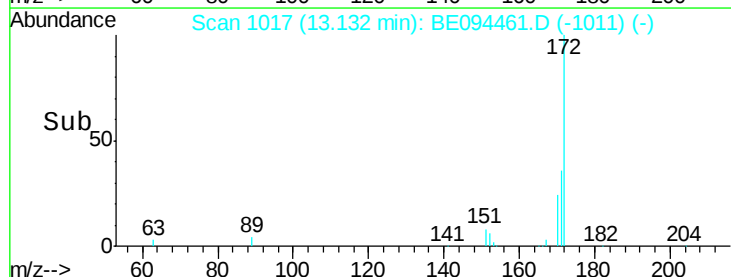


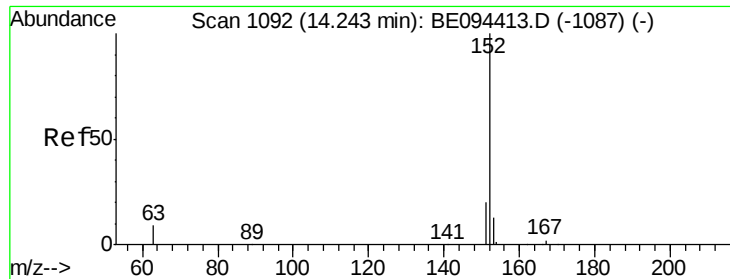
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time--> 13.00 13.10 13.20 13.30





#16

Acenaphthylene

Concen: 0.001 ng

RT: 14.23 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

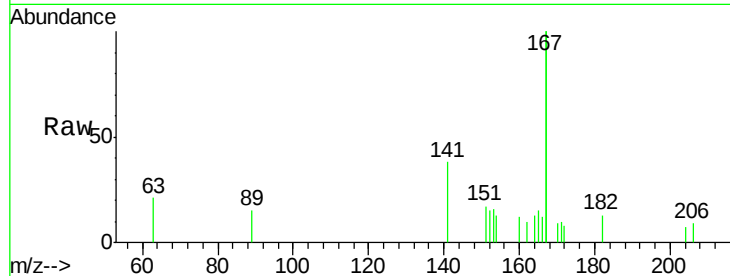
Tgt Ion:152 Resp: 28

Ion Ratio Lower Upper

152 100

151 225.0 15.7 23.5#

153 0.0 10.5 15.7#



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

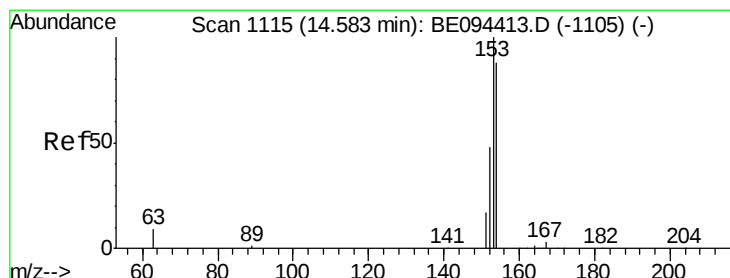
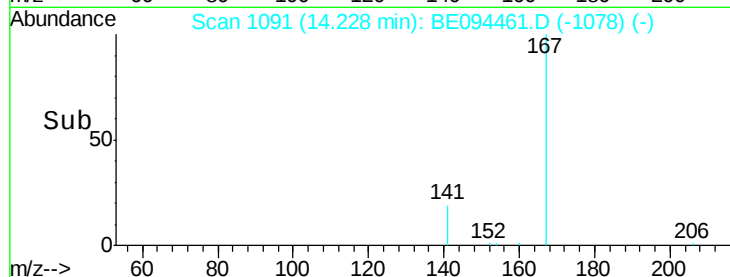
14.23

100

50

0

Time-->



#17

Acenaphthene

Concen: 0.010 ng

RT: 14.58 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

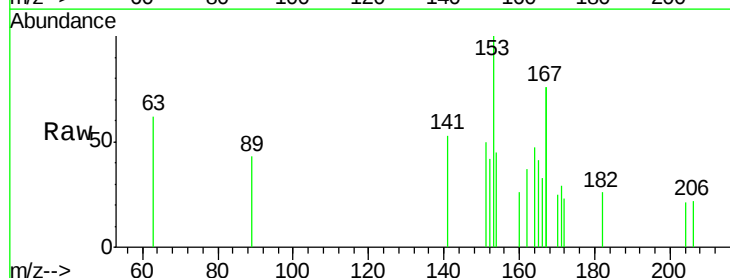
Tgt Ion:154 Resp: 156

Ion Ratio Lower Upper

154 100

153 272.4 89.2 133.8#

152 39.7 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

14.58

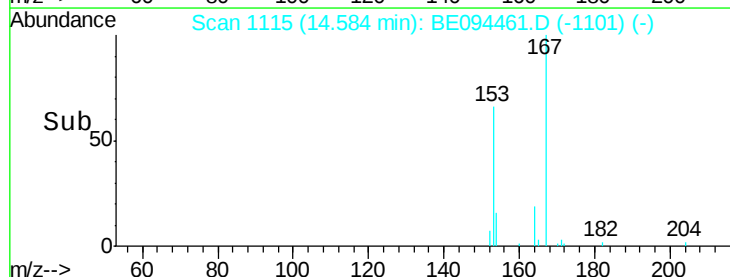
300

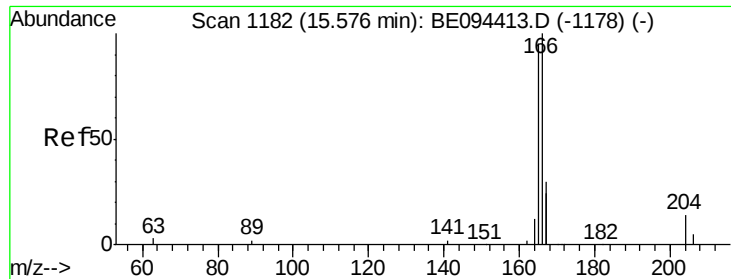
200

100

0

Time-->





#18

Fluorene

Concen: 0.006 ng

RT: 15.56 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

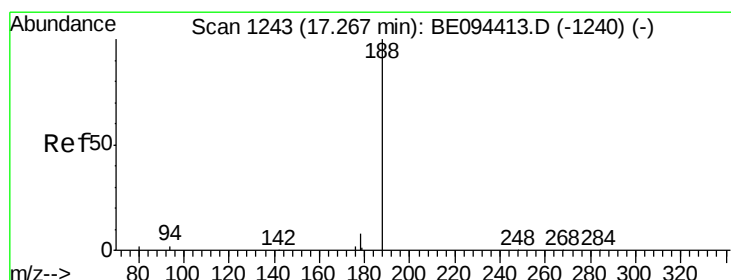
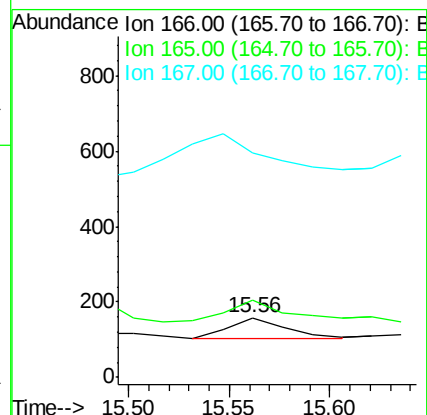
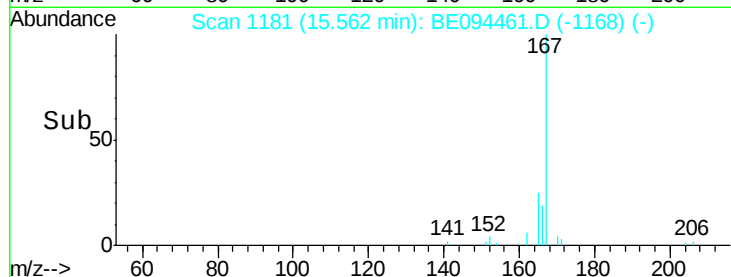
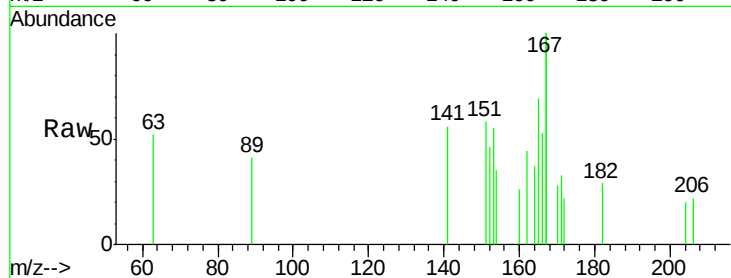
Tgt Ion:166 Resp: 114

Ion Ratio Lower Upper

166 100

165 180.7 77.8 116.6#

167 234.2 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1242

Delta R.T. -0.03 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

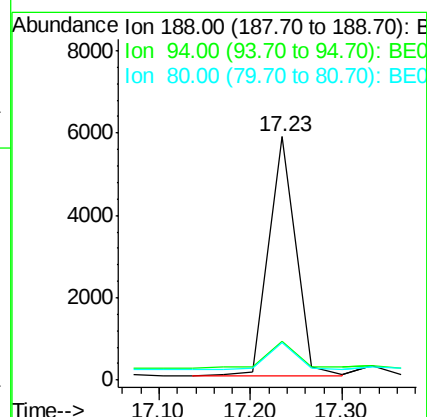
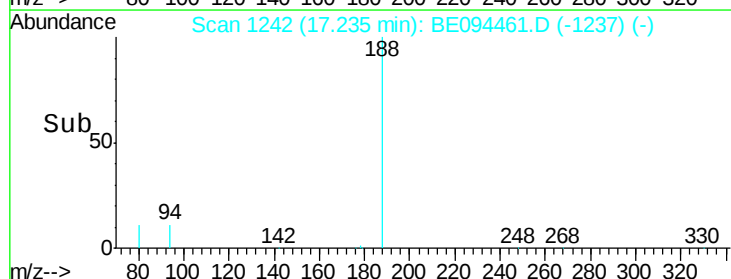
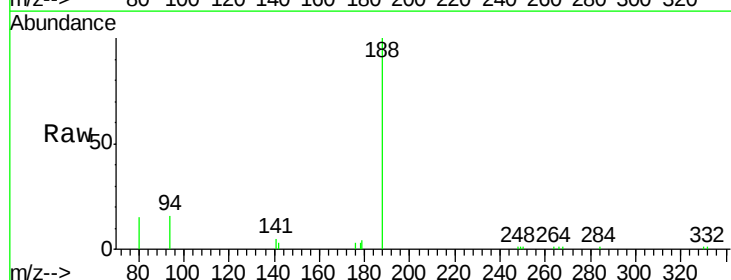
Tgt Ion:188 Resp: 12042

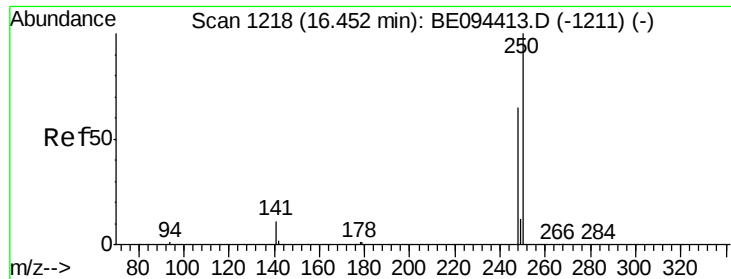
Ion Ratio Lower Upper

188 100

94 15.7 3.9 5.9#

80 15.4 3.6 5.4#

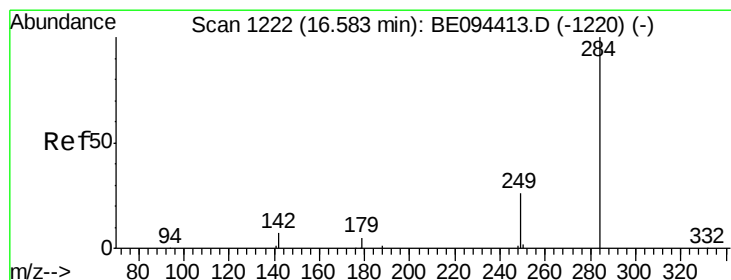
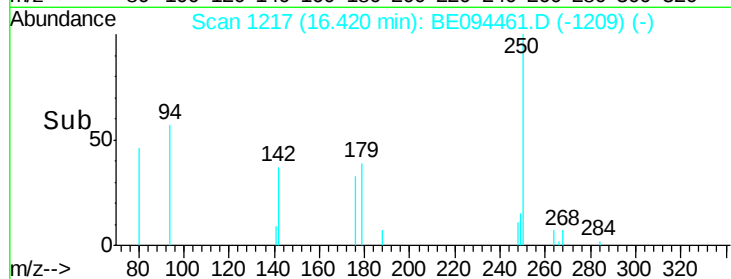
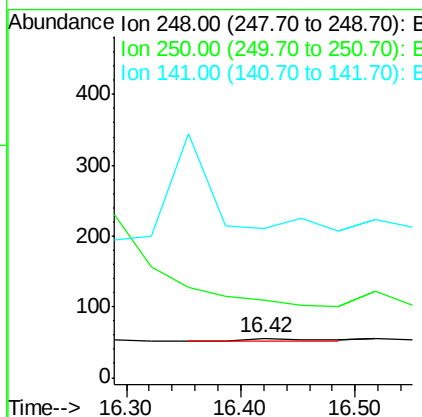
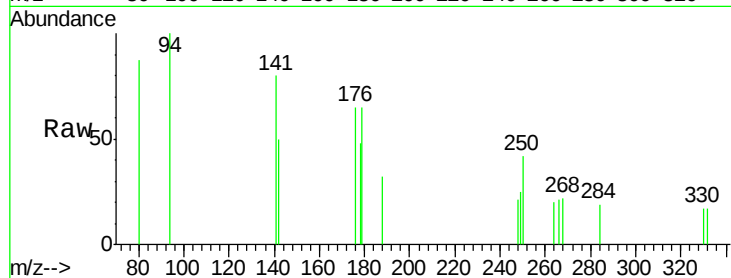




#20
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 16.42 min Scan# 1217
Delta R.T. -0.03 min
Lab File: BE094461.D
Acq: 20 Oct 2017 00:32

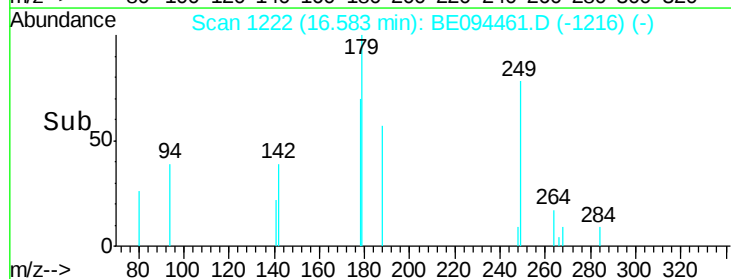
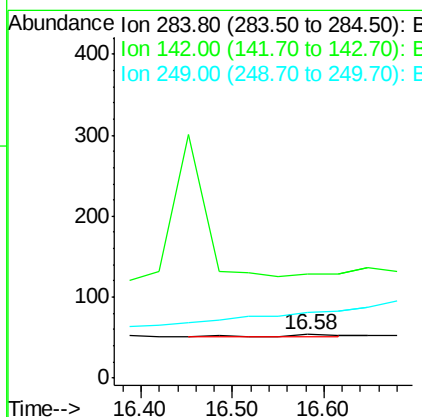
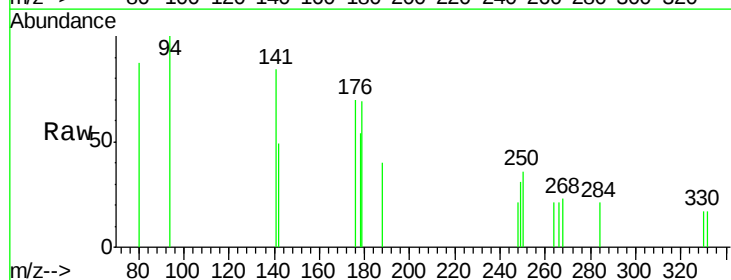
Instrument :
BNA_E
ClientSampleId :
3916-DB

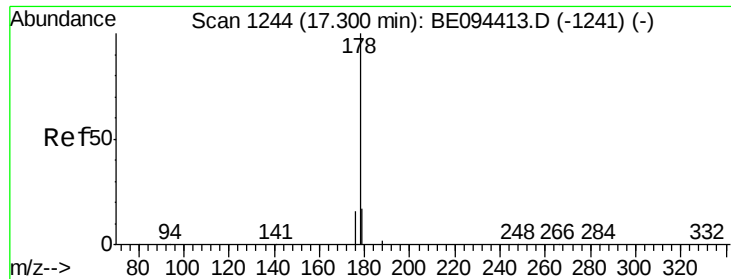
Tgt Ion:248 Resp: 12
Ion Ratio Lower Upper
248 100
250 196.4 62.7 94.1#
141 376.8 48.2 72.2#



#21
Hexachlorobenzene
Concen: 0.028 ng
RT: 16.58 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094461.D
Acq: 20 Oct 2017 00:32

Tgt Ion:284 Resp: 10
Ion Ratio Lower Upper
284 100
142 0.0 22.1 33.1#
249 0.0 34.8 52.2#





#23

Phenanthrene

Concen: 0.025 ng

RT: 17.20 min Scan# 1241

Delta R.T. -0.10 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

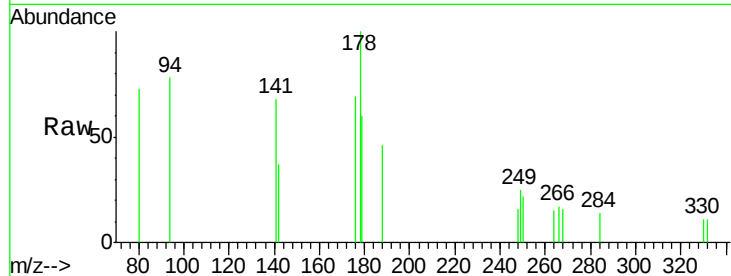
Tgt Ion:178 Resp: 1162

Ion Ratio Lower Upper

178 100

176 51.2 15.1 22.7#

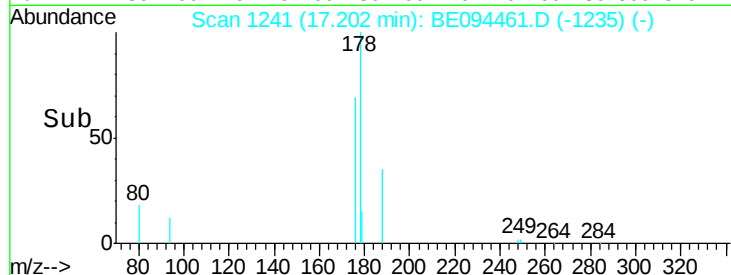
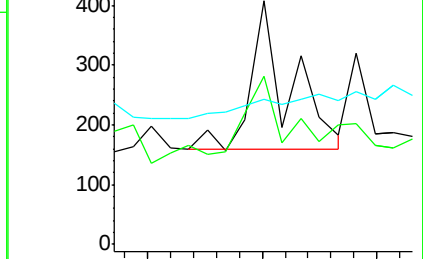
179 0.0 11.8 17.6#



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: 0.009 ng

RT: 17.36 min Scan# 1246

Delta R.T. -0.03 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

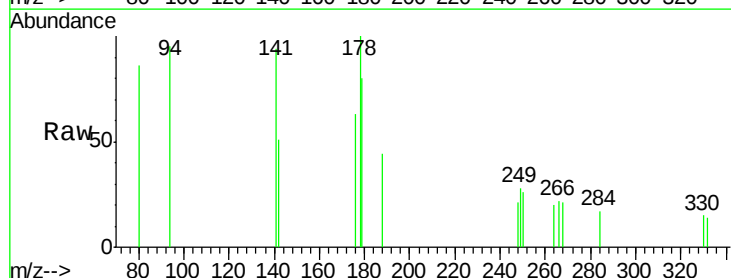
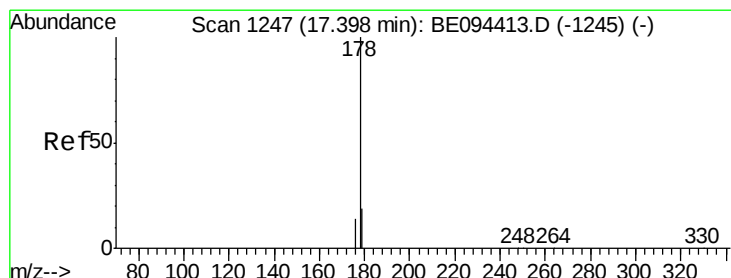
Tgt Ion:178 Resp: 329

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

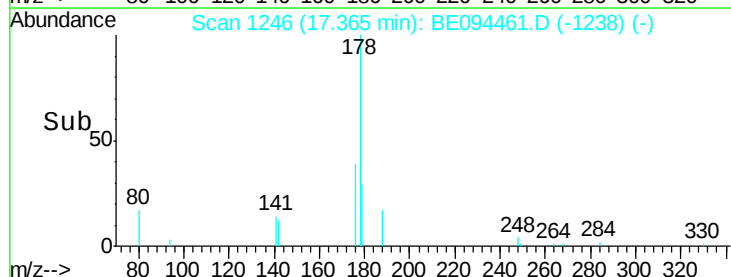
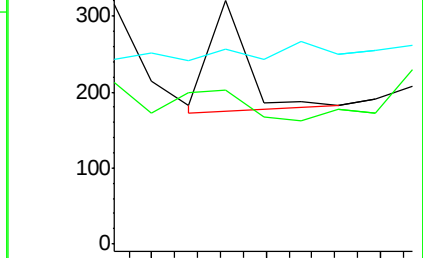
179 0.0 13.0 19.6#

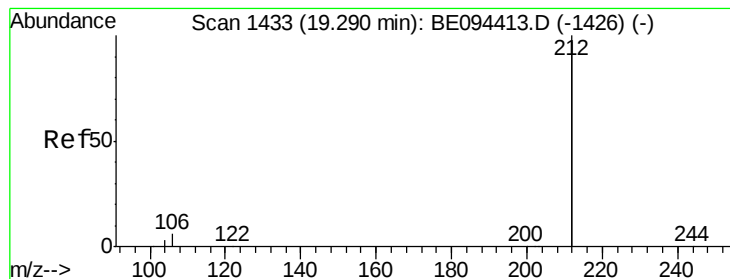


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.289 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

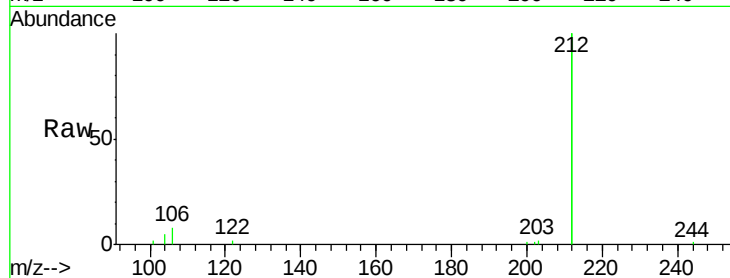
Tgt Ion:212 Resp: 56110

Ion Ratio Lower Upper

212 100

106 3.7 2.8 4.2

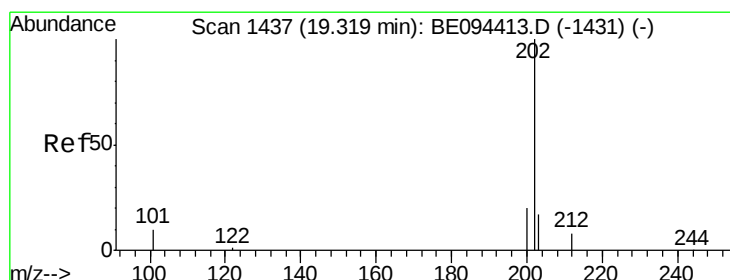
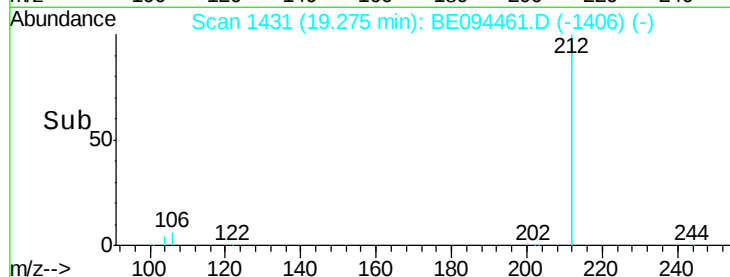
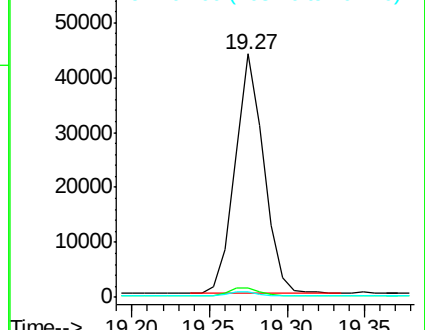
104 2.3 1.6 2.4



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: 0.016 ng

RT: 19.30 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

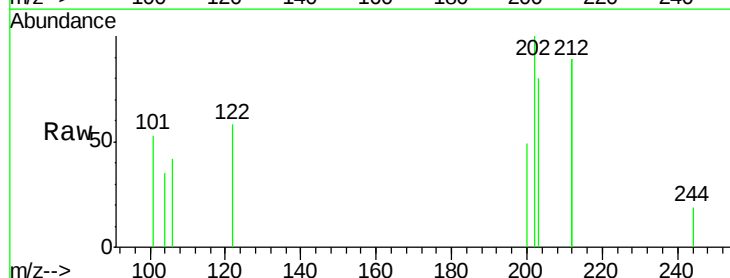
Tgt Ion:202 Resp: 970

Ion Ratio Lower Upper

202 100

101 39.8 9.8 14.8#

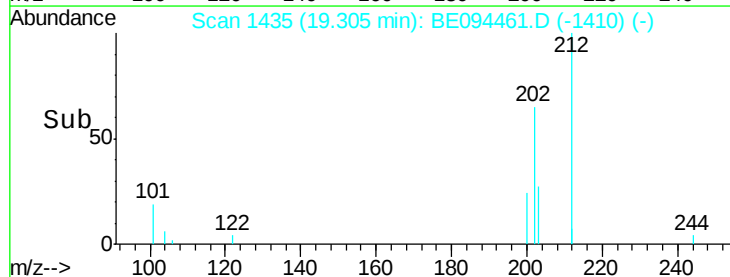
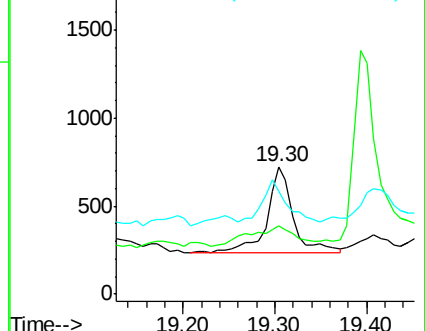
203 44.5 13.7 20.5#

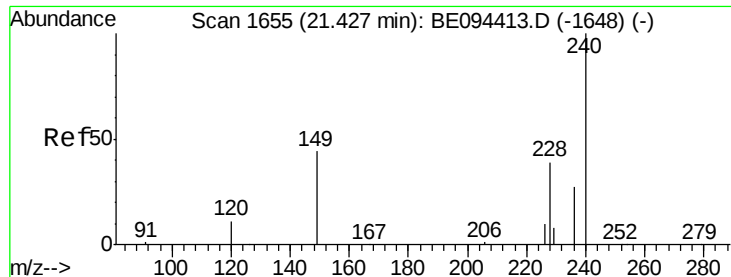


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.42 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

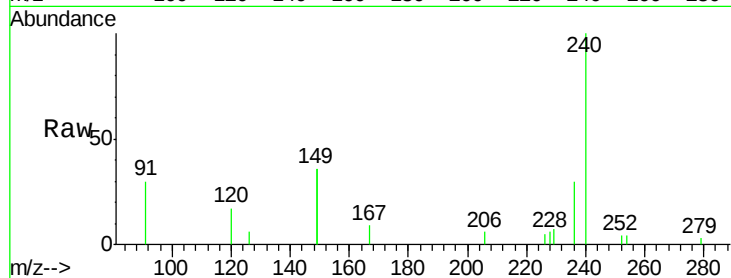
Tgt Ion:240 Resp: 9932

Ion Ratio Lower Upper

240 100

120 17.0 5.5 8.3#

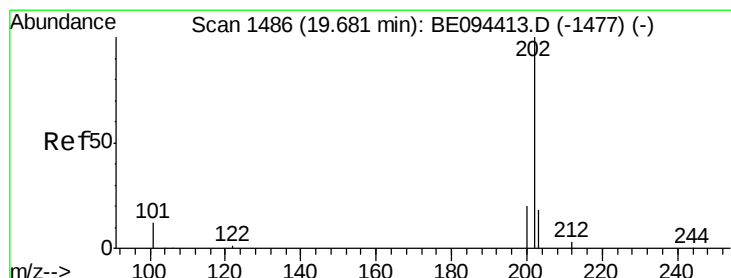
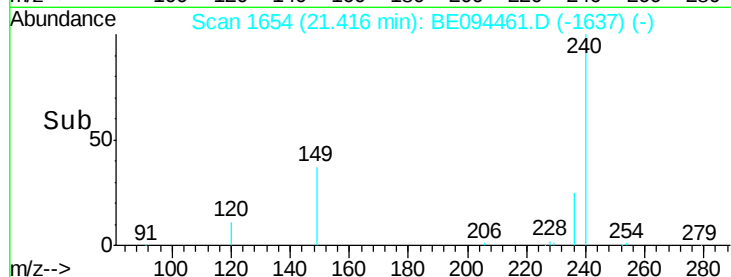
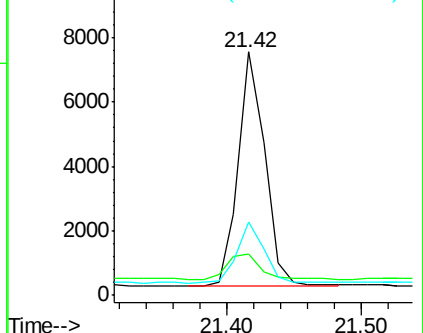
236 30.1 20.7 31.1



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: 0.045 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

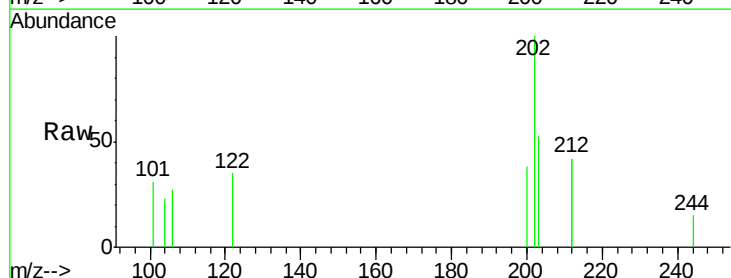
Tgt Ion:202 Resp: 1670

Ion Ratio Lower Upper

202 100

200 29.8 16.6 25.0#

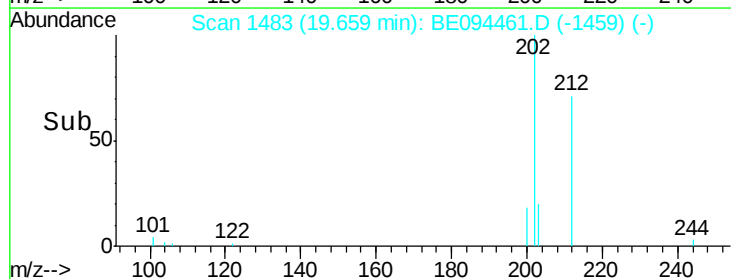
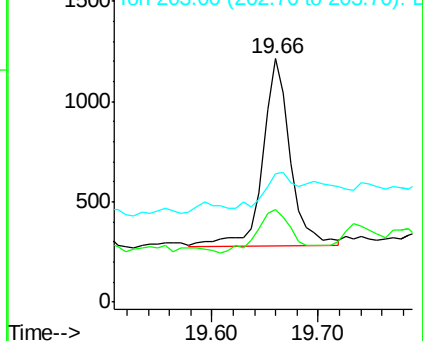
203 20.7 13.8 20.8

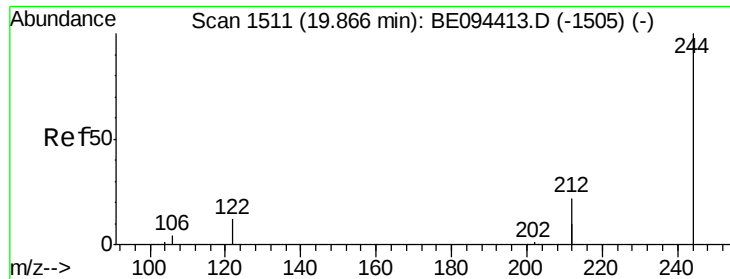


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.646 ng

RT: 19.85 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

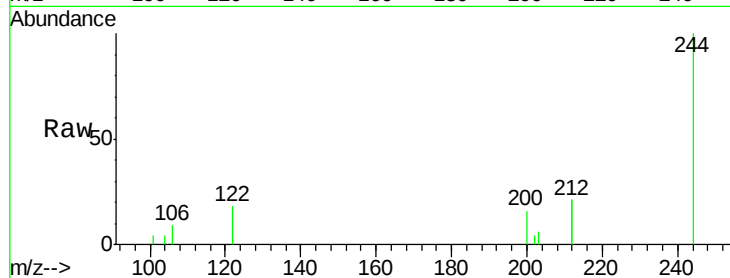
Tgt Ion:244 Resp: 12942

Ion Ratio Lower Upper

244 100

212 42.6 25.4 38.0#

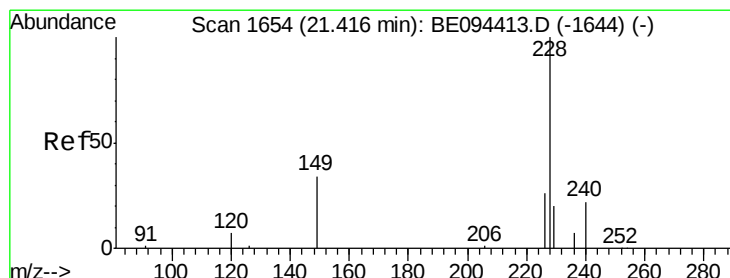
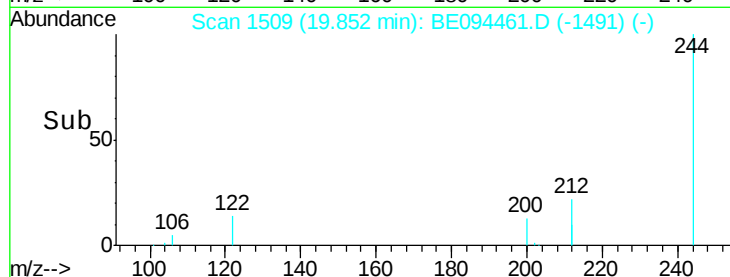
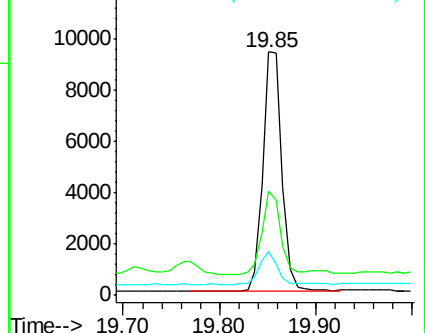
122 18.3 8.1 12.1#



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: 0.018 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

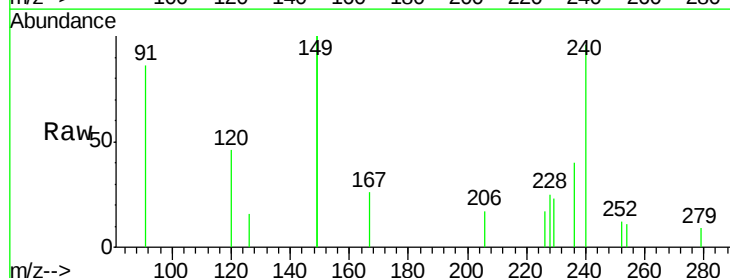
Tgt Ion:228 Resp: 632

Ion Ratio Lower Upper

228 100

226 66.6 40.0 60.0#

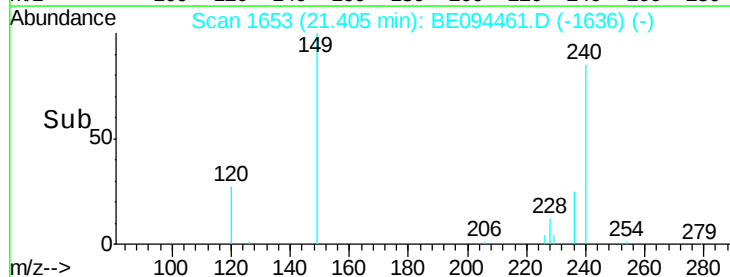
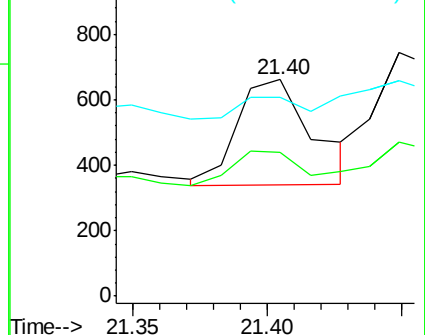
229 92.1 40.0 60.0#

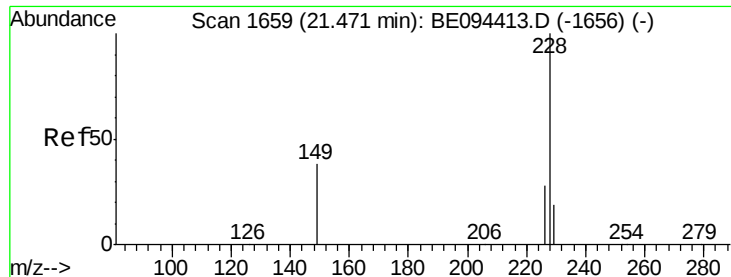


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.022 ng

RT: 21.45 min Scan# 1657

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

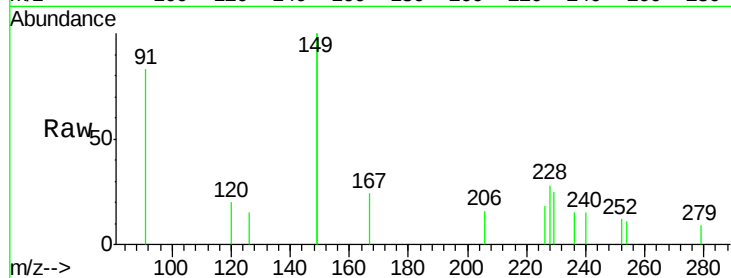
Tgt Ion: 228 Resp: 724

Ion Ratio Lower Upper

228 100

226 63.2 40.0 60.0#

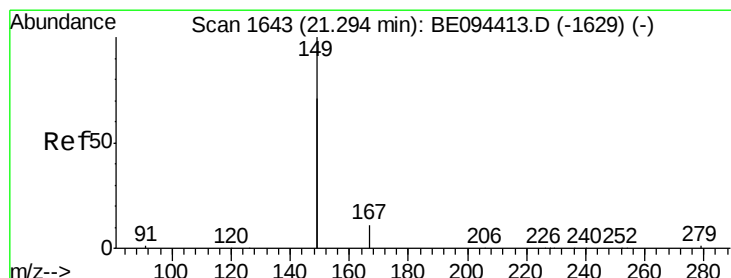
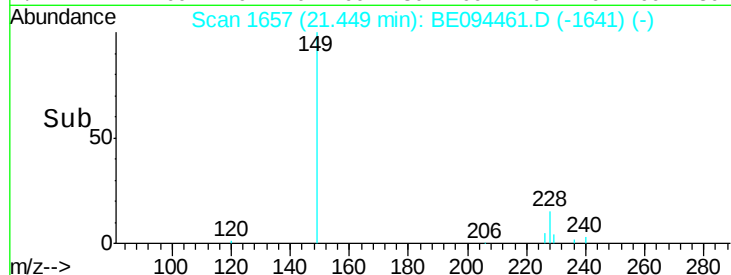
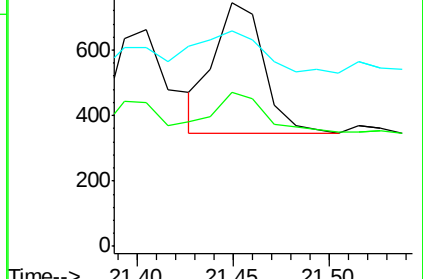
229 88.6 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 2.660 ng

RT: 21.29 min Scan# 1643

Delta R.T. 0.00 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

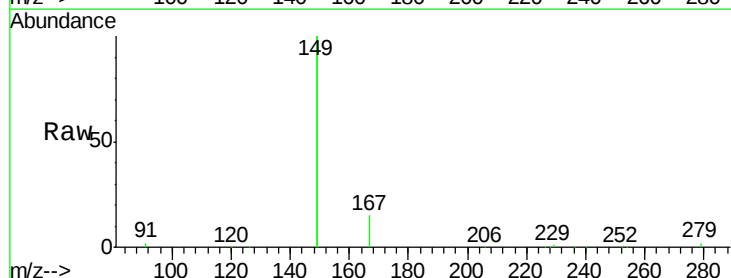
Tgt Ion: 149 Resp: 263150

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

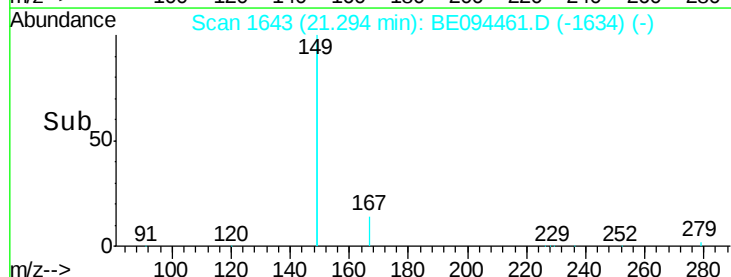
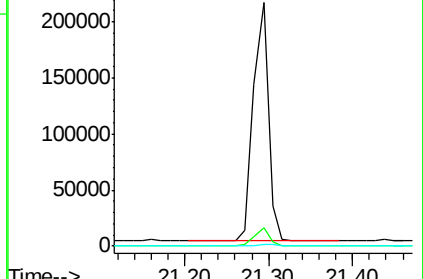
279 0.9 0.7 1.1

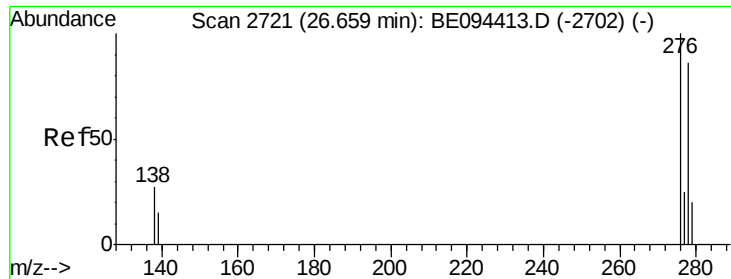


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.012 ng

RT: 26.63 min Scan# 2714

Delta R.T. -0.03 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

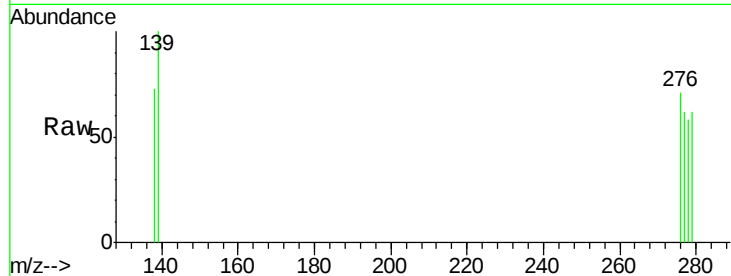
Tgt Ion:276 Resp: 401

Ion Ratio Lower Upper

276 100

138 9.2 22.5 33.7#

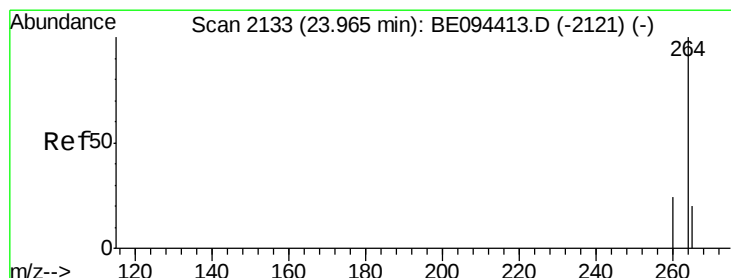
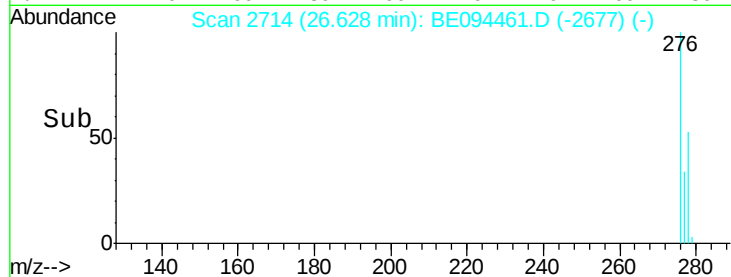
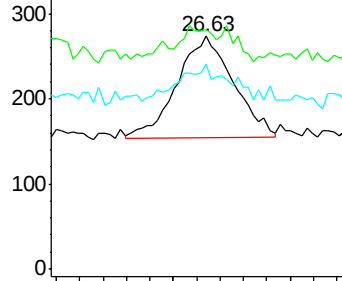
277 3.2 19.9 29.9#



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: 23.94 min Scan# 2128

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

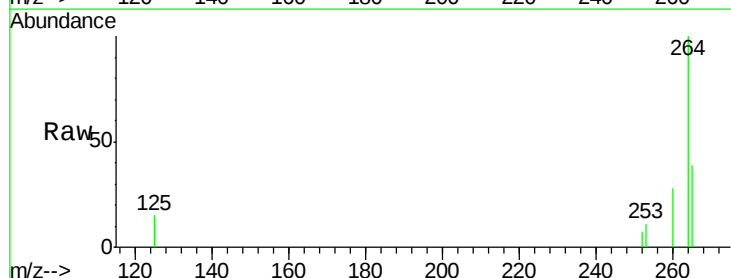
Tgt Ion:264 Resp: 9355

Ion Ratio Lower Upper

264 100

260 28.2 20.5 30.7

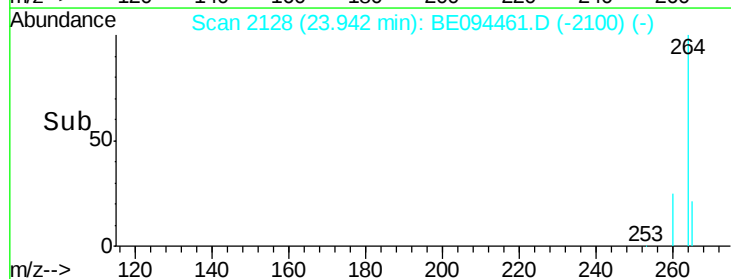
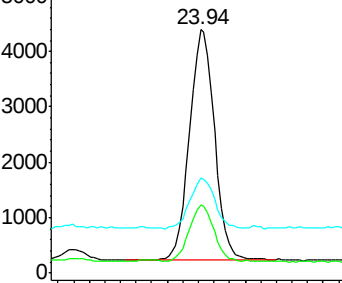
265 38.8 22.8 34.2#

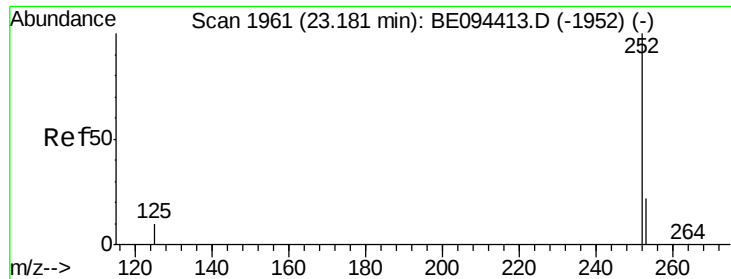


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.013 ng

RT: 23.16 min Scan# 1957

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

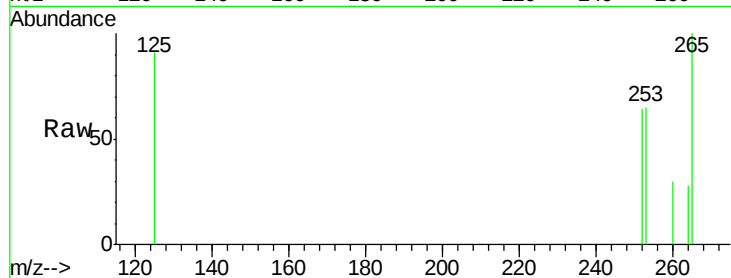
Tgt Ion:252 Resp: 419

Ion Ratio Lower Upper

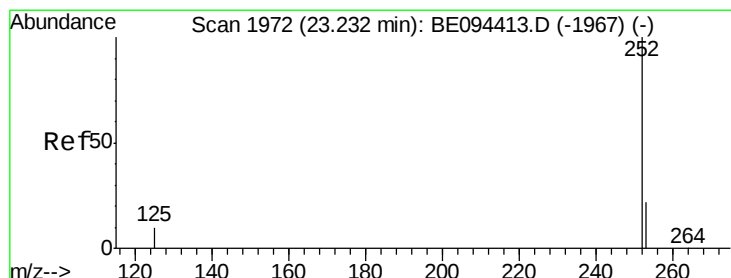
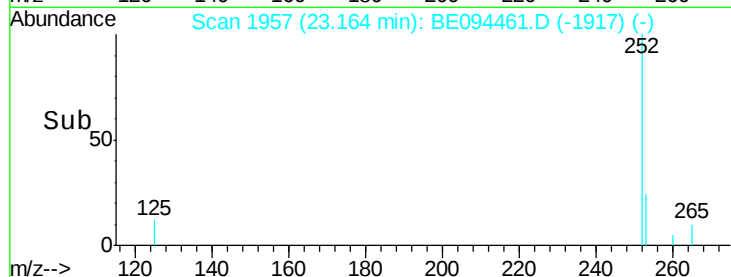
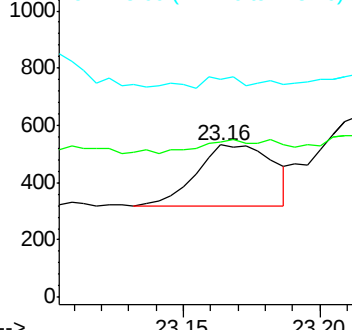
252 100

253 101.9 48.0 72.0#

125 143.2 56.0 84.0#



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: 0.020 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

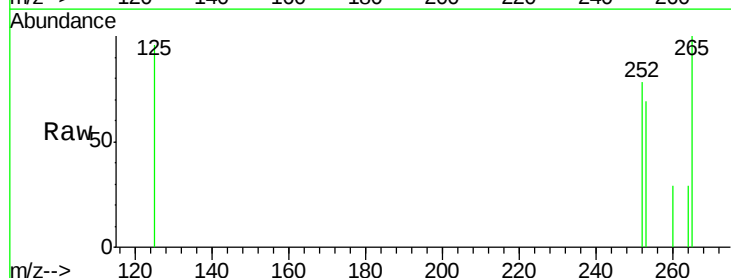
Tgt Ion:252 Resp: 614

Ion Ratio Lower Upper

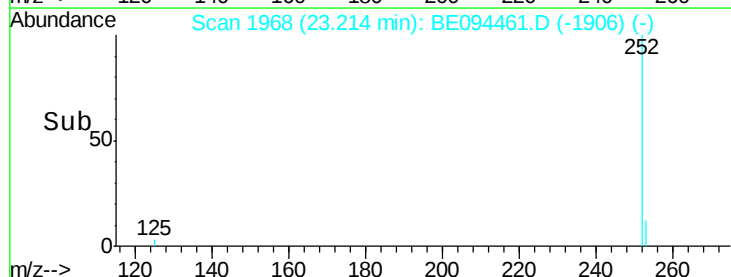
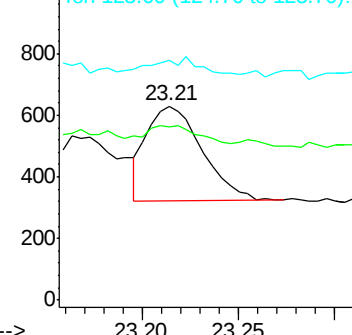
252 100

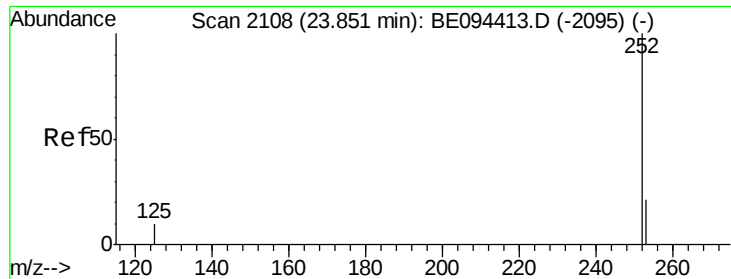
253 89.4 48.0 72.0#

125 123.6 56.0 84.0#



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: 0.013 ng

RT: 23.83 min Scan# 2103

Delta R.T. -0.02 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB

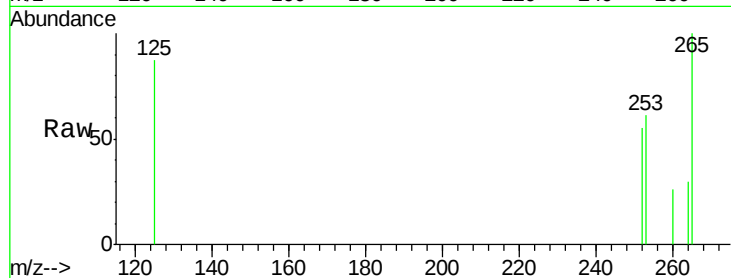
Tgt Ion: 252 Resp: 384

Ion Ratio Lower Upper

252 100

253 109.2 52.0 78.0#

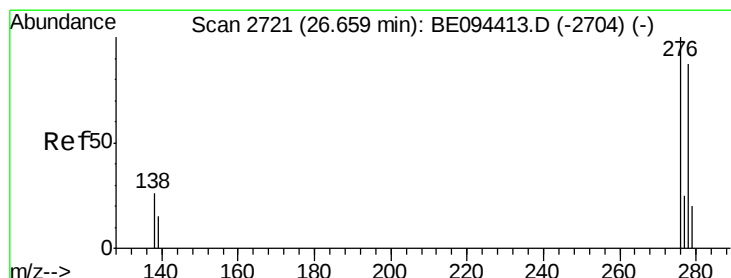
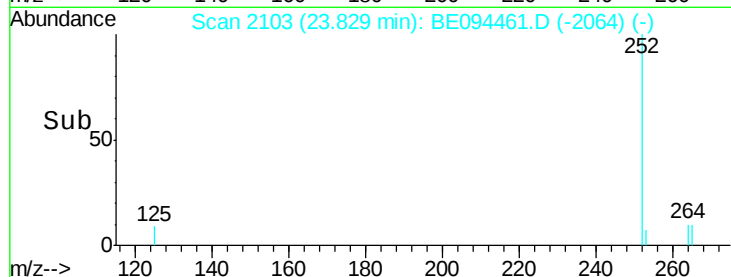
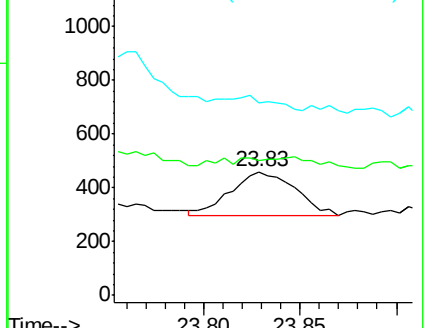
125 156.4 68.0 102.0#



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: 0.010 ng

RT: 26.63 min Scan# 2715

Delta R.T. -0.03 min

Lab File: BE094461.D

Acq: 20 Oct 2017 00:32

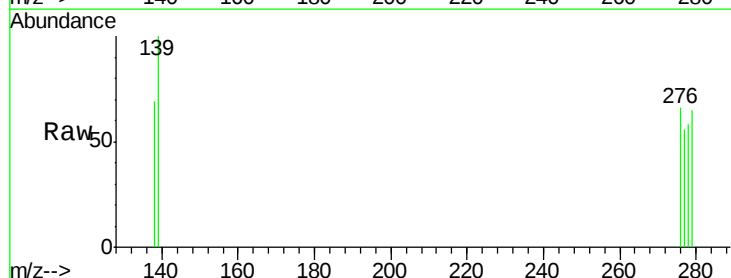
Tgt Ion: 278 Resp: 285

Ion Ratio Lower Upper

278 100

139 171.2 56.0 84.0#

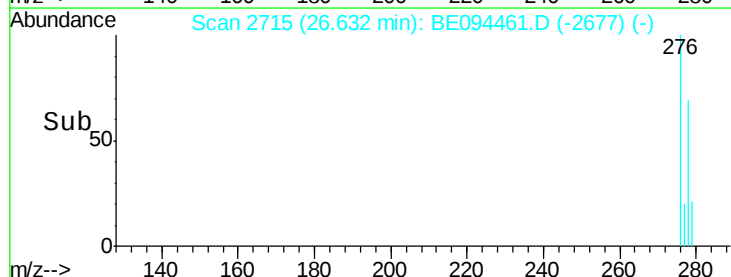
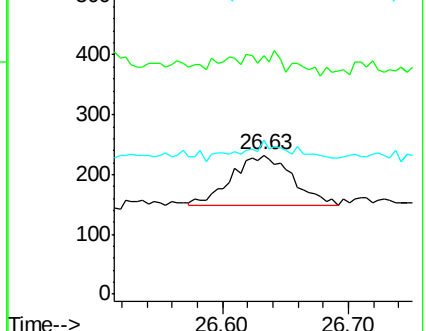
279 110.7 52.0 78.0#

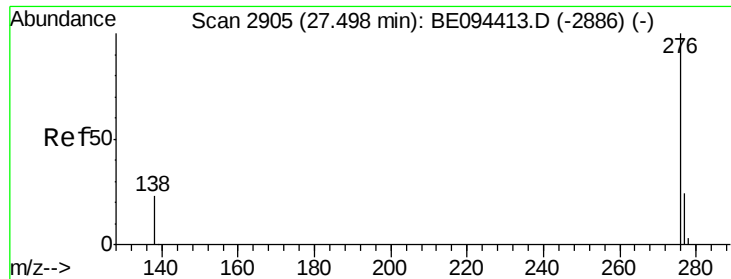


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.006 ng

RT: 27.46 min Scan# 2896

Delta R.T. -0.04 min

Lab File: BE094461.D

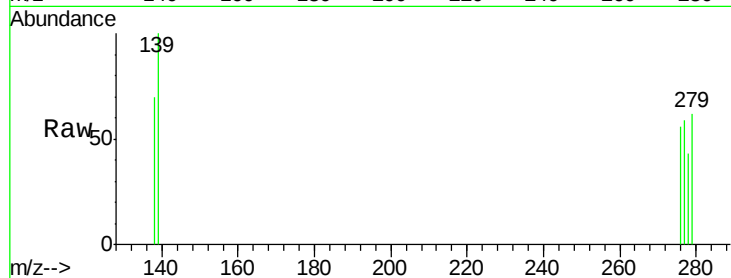
Acq: 20 Oct 2017 00:32

Instrument :

BNA_E

ClientSampleId :

3916-DB



Tgt Ion: 276 Resp: 150

Ion Ratio Lower Upper

276 100

277 105.5 52.0 78.0#

138 125.0 44.0 66.0#

