

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094084.D
 Acq On : 23 Sep 2017 18:53
 Operator : SJ/JU
 Sample : I5340-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 25 08:46:25 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 07:59:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1227	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7330	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5378	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	18057	0.40	ng	0.00
27) Chrysene-d12	21.39	240	19631	0.40	ng	-0.01
34) Perylene-d12	23.90	264	14596	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.50	112	1854	0.22	ng	0.00
5) Phenol-d6	7.09	99	2566	0.35	ng	0.00
8) Nitrobenzene-d5	9.06	82	1860	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3562	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1914	0.47	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5048	0.29	ng	0.00
25) Fluoranthene-d10	19.26	212	54821	0.24	ng	0.00
29) Terphenyl-d14	19.84	244	8265	0.27	ng	0.00

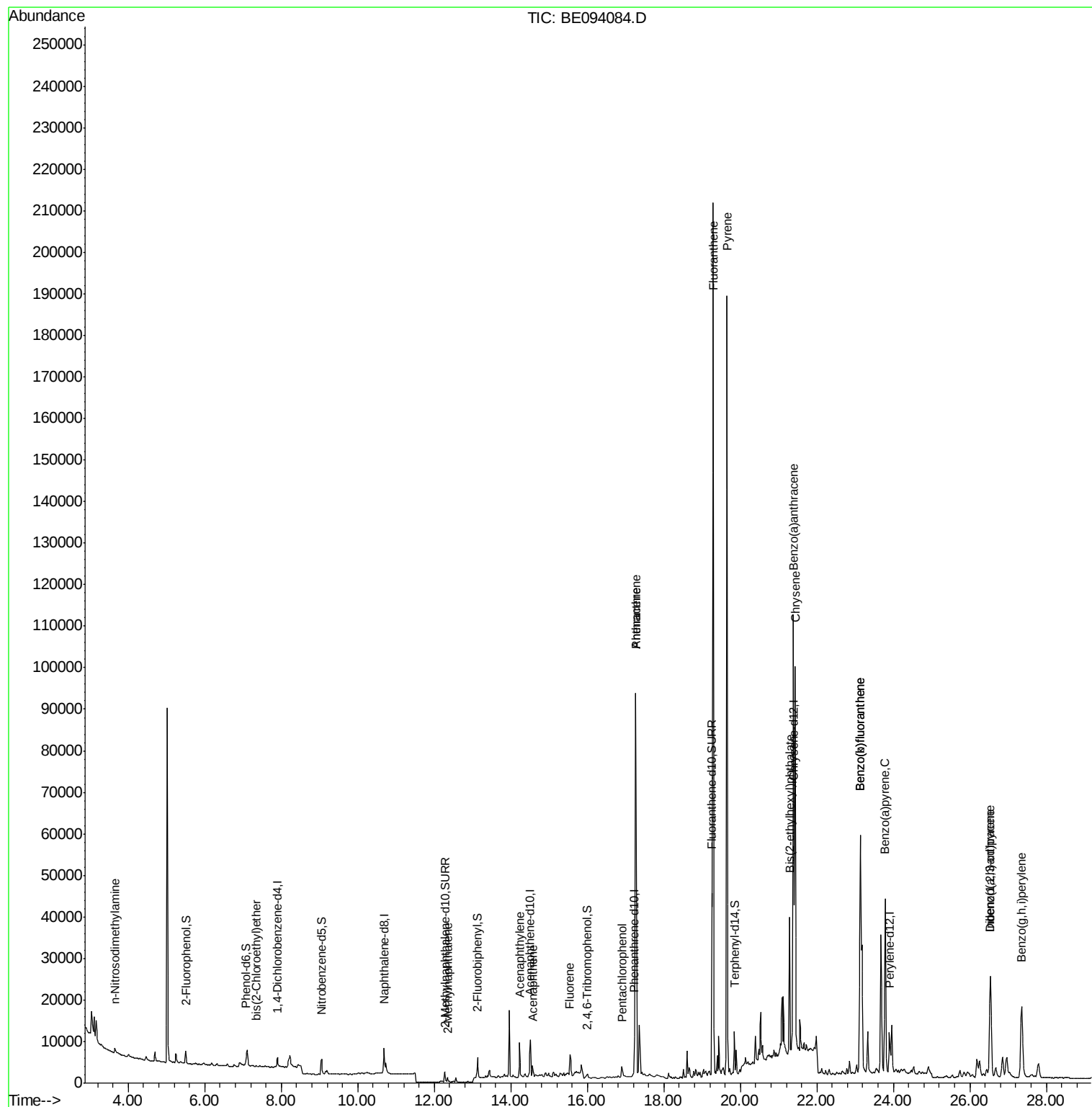
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	456	0.115	ng	# 1
6) bis(2-Chloroethyl)ether	7.34	93	275	0.051	ng	# 1
9) Naphthalene	10.74	128	5447	Below Cal		# 95
12) 2-Methylnaphthalene	12.35	142	726	0.049	ng	# 91
16) Acenaphthylene	14.23	152	10399	0.384	ng	100
17) Acenaphthene	14.57	154	1326	0.074	ng	98
18) Fluorene	15.55	166	3721	0.139	ng	89
22) Pentachlorophenol	16.91	266	2920	1.191	ng	# 73
23) Phenanthrene	17.27	178	137940	2.133	ng	98
24) Anthracene	17.27	178	137940	2.766	ng	96
26) Fluoranthene	19.29	202	187782	2.706	ng	99
28) Pyrene	19.65	202	168097	3.095	ng	96
30) Benzo(a)anthracene	21.38	228	101419	1.543	ng	99
31) Chrysene	21.44	228	97337	1.511	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	43711	0.247	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	43270	0.869	ng	96
35) Benzo(b)fluoranthene	23.13	252	111327	2.107	ng	99
36) Benzo(k)fluoranthene	23.13	252	111327	2.100	ng	99
37) Benzo(a)pyrene	23.79	252	65573	1.382	ng	99
38) Dibenzo(a,h)anthracene	26.55	278	11727	0.309	ng	# 87
39) Benzo(g,h,i)perylene	27.36	276	42518	1.120	ng	99

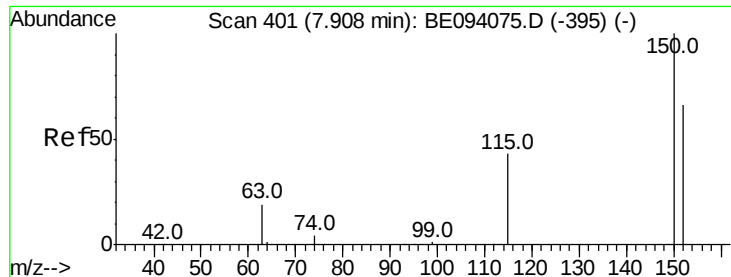
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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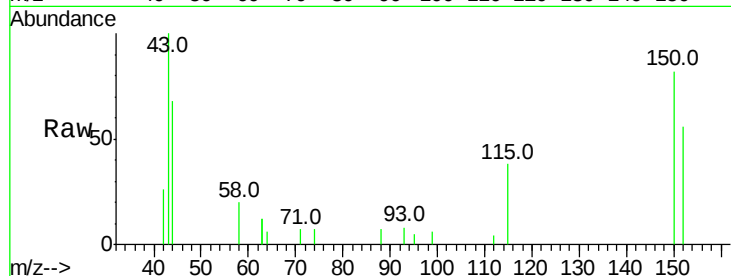


#1

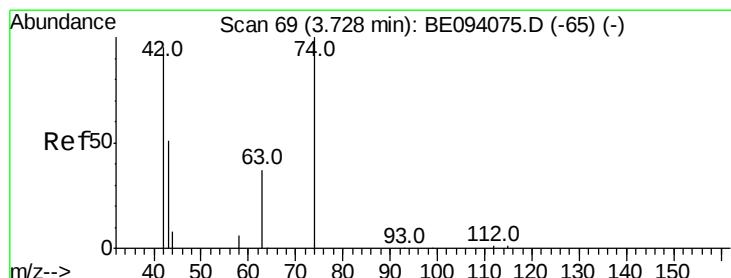
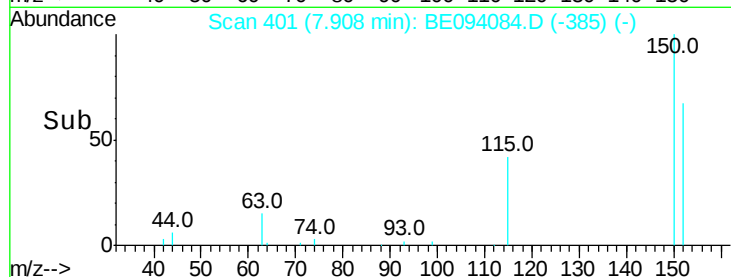
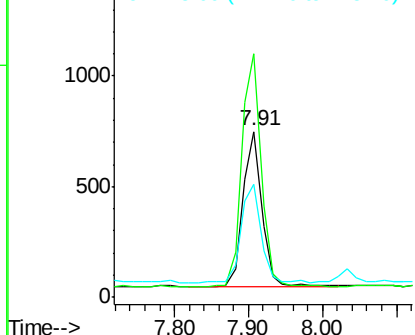
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094084.D
Acq: 23 Sep 2017 18:53

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1227
Ion Ratio Lower Upper
152 100
150 146.7 117.2 175.8
115 67.7 57.0 85.6



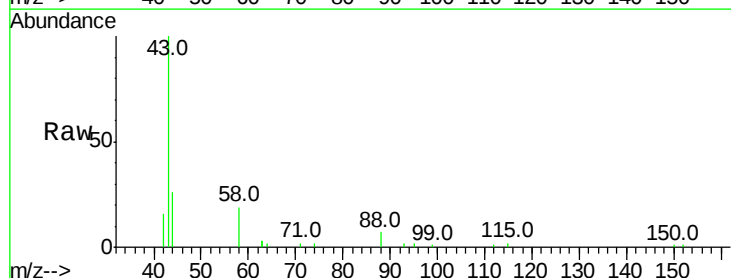
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



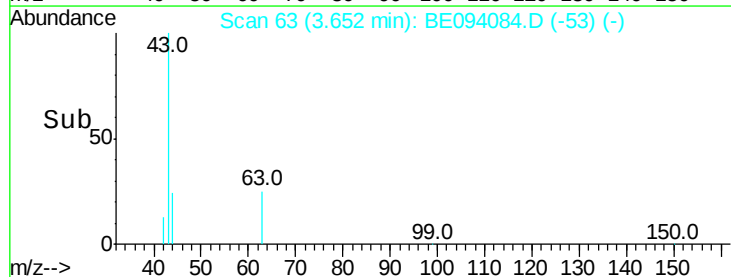
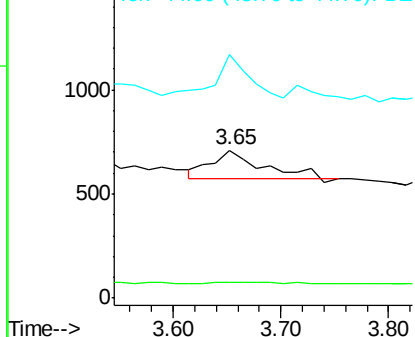
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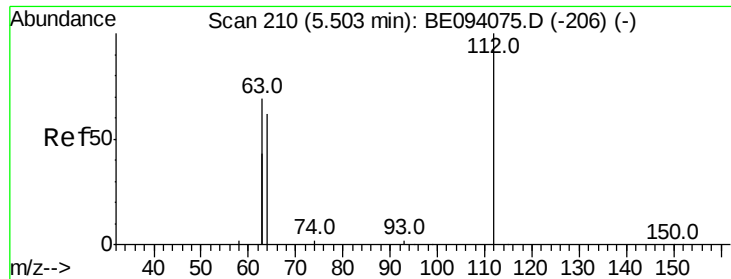
n-Nitrosodimethylamine
Concen: 0.115 ng
RT: 3.65 min Scan# 63
Delta R.T. -0.08 min
Lab File: BE094084.D
Acq: 23 Sep 2017 18:53

Tgt Ion: 42 Resp: 456
Ion Ratio Lower Upper
42 100
74 4.6 100.3 150.5#
44 91.0 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: 0.216 ng

RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampled :

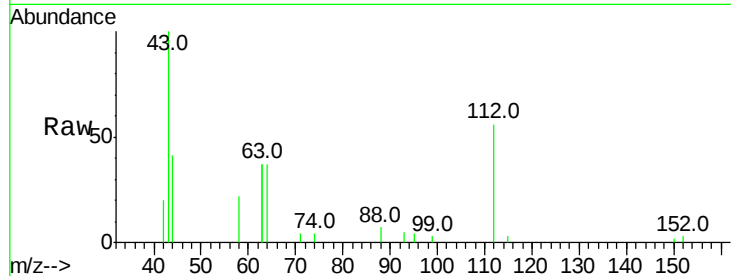
Tot Ion: 112 Resp: 1854

Ion Ratio Lower Upper

112 100

64 72.7 60.1 90.1

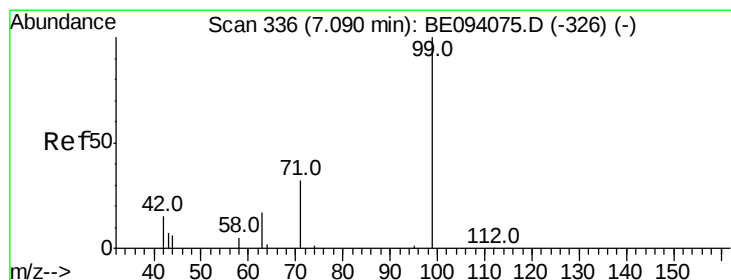
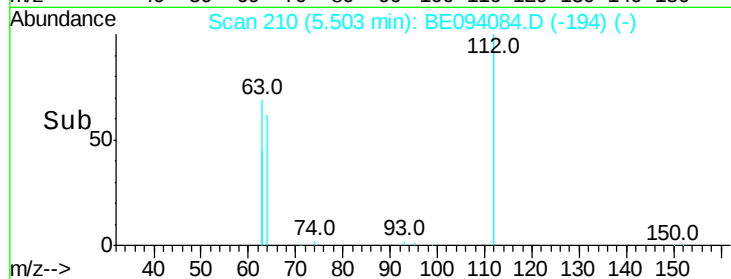
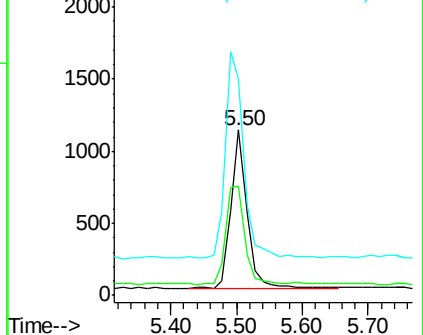
63 149.9 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.354 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

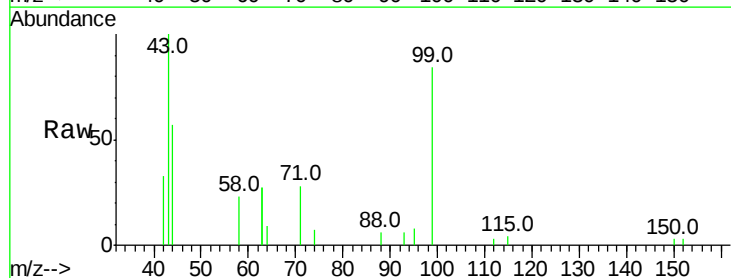
Tgt Ion: 99 Resp: 2566

Ion Ratio Lower Upper

99 100

42 31.4 20.2 30.2#

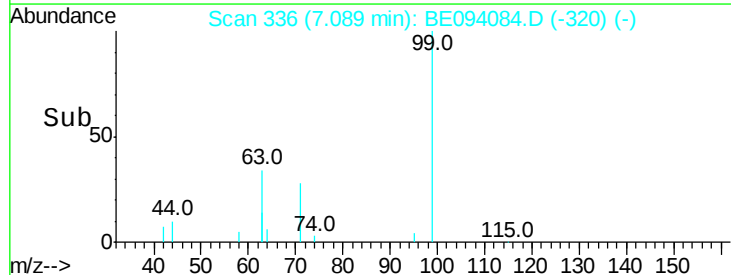
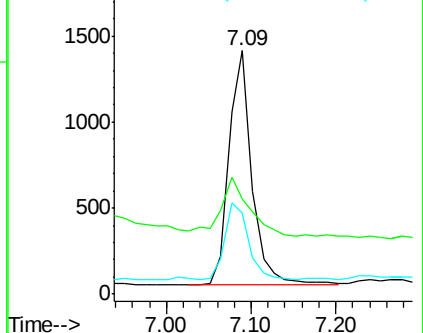
71 34.8 28.4 42.6

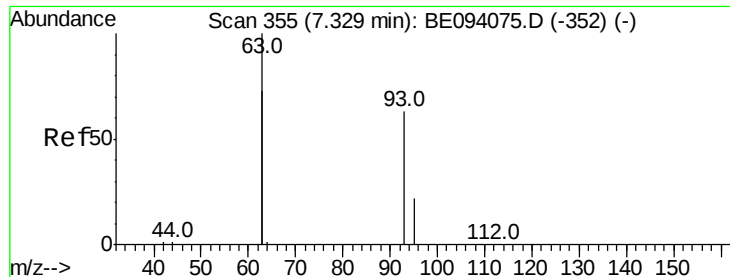


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.051 ng

RT: 7.34 min Scan# 356

Delta R.T. 0.01 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

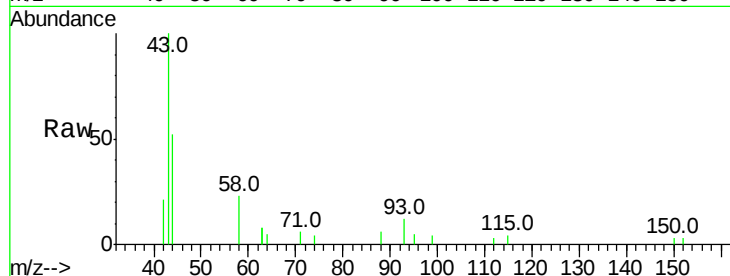
Tot Ion: 93 Resp: 275

Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

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

Ion 115.00 (114.70 to 115.70): BE0

Ion 150.00 (149.70 to 150.70): BE0

Ion 170.00 (169.70 to 170.70): BE0

Ion 190.00 (189.70 to 190.70): BE0

Ion 210.00 (209.70 to 210.70): BE0

Ion 230.00 (229.70 to 230.70): BE0

Ion 250.00 (249.70 to 250.70): BE0

Ion 270.00 (269.70 to 270.70): BE0

Ion 290.00 (289.70 to 290.70): BE0

Ion 310.00 (309.70 to 310.70): BE0

Ion 330.00 (329.70 to 330.70): BE0

Ion 350.00 (349.70 to 350.70): BE0

Ion 370.00 (369.70 to 370.70): BE0

Ion 390.00 (389.70 to 390.70): BE0

Ion 410.00 (409.70 to 410.70): BE0

Ion 430.00 (429.70 to 430.70): BE0

Ion 450.00 (449.70 to 450.70): BE0

Ion 470.00 (469.70 to 470.70): BE0

Ion 490.00 (489.70 to 490.70): BE0

Ion 510.00 (509.70 to 510.70): BE0

Ion 530.00 (529.70 to 530.70): BE0

Ion 550.00 (549.70 to 550.70): BE0

Ion 570.00 (569.70 to 570.70): BE0

Ion 590.00 (589.70 to 590.70): BE0

Ion 610.00 (609.70 to 610.70): BE0

Ion 630.00 (629.70 to 630.70): BE0

Ion 650.00 (649.70 to 650.70): BE0

Ion 670.00 (669.70 to 670.70): BE0

Ion 690.00 (689.70 to 690.70): BE0

Ion 710.00 (709.70 to 710.70): BE0

Ion 730.00 (729.70 to 730.70): BE0

Ion 750.00 (749.70 to 750.70): BE0

Ion 770.00 (769.70 to 770.70): BE0

Ion 790.00 (789.70 to 790.70): BE0

Ion 810.00 (809.70 to 810.70): BE0

Ion 830.00 (829.70 to 830.70): BE0

Ion 850.00 (849.70 to 850.70): BE0

Ion 870.00 (869.70 to 870.70): BE0

Ion 890.00 (889.70 to 890.70): BE0

Ion 910.00 (909.70 to 910.70): BE0

Ion 930.00 (929.70 to 930.70): BE0

Ion 950.00 (949.70 to 950.70): BE0

Ion 970.00 (969.70 to 970.70): BE0

Ion 990.00 (989.70 to 990.70): BE0

Ion 1010.00 (1009.70 to 1010.70): BE0

Ion 1030.00 (1029.70 to 1030.70): BE0

Ion 1050.00 (1049.70 to 1050.70): BE0

Ion 1070.00 (1069.70 to 1070.70): BE0

Ion 1090.00 (1089.70 to 1090.70): BE0

Ion 1110.00 (1109.70 to 1110.70): BE0

Ion 1130.00 (1129.70 to 1130.70): BE0

Ion 1150.00 (1149.70 to 1150.70): BE0

Ion 1170.00 (1169.70 to 1170.70): BE0

Ion 1190.00 (1189.70 to 1190.70): BE0

Ion 1210.00 (1209.70 to 1210.70): BE0

Ion 1230.00 (1229.70 to 1230.70): BE0

Ion 1250.00 (1249.70 to 1250.70): BE0

Ion 1270.00 (1269.70 to 1270.70): BE0

Ion 1290.00 (1289.70 to 1290.70): BE0

Ion 1310.00 (1309.70 to 1310.70): BE0

Ion 1330.00 (1329.70 to 1330.70): BE0

Ion 1350.00 (1349.70 to 1350.70): BE0

Ion 1370.00 (1369.70 to 1370.70): BE0

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Ion 1410.00 (1409.70 to 1410.70): BE0

Ion 1430.00 (1429.70 to 1430.70): BE0

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Ion 1730.00 (1729.70 to 1730.70): BE0

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Ion 1850.00 (1849.70 to 1850.70): BE0

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Ion 1970.00 (1969.70 to 1970.70): BE0

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Ion 2430.00 (2429.70 to 2430.70): BE0

Ion 2450.00 (2449.70 to 2450.70): BE0

Ion 2470.00 (2469.70 to 2470.70): BE0

Ion 2490.00 (2489.70 to 2490.70): BE0

Ion 2510.00 (2509.70 to 2510.70): BE0

Ion 2530.00 (2529.70 to 2530.70): BE0

Ion 2550.00 (2549.70 to 2550.70): BE0

Ion 2570.00 (2569.70 to 2570.70): BE0

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Ion 2730.00 (2729.70 to 2730.70): BE0

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Ion 3110.00 (3109.70 to 3110.70): BE0

Ion 3130.00 (3129.70 to 3130.70): BE0

Ion 3150.00 (3149.70 to 3150.70): BE0

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Ion 3190.00 (3189.70 to 3190.70): BE0

Ion 3210.00 (3209.70 to 3210.70): BE0

Ion 3230.00 (3229.70 to 3230.70): BE0

Ion 3250.00 (3249.70 to 3250.70): BE0

Ion 3270.00 (3269.70 to 3270.70): BE0

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Ion 3310.00 (3309.70 to 3310.70): BE0

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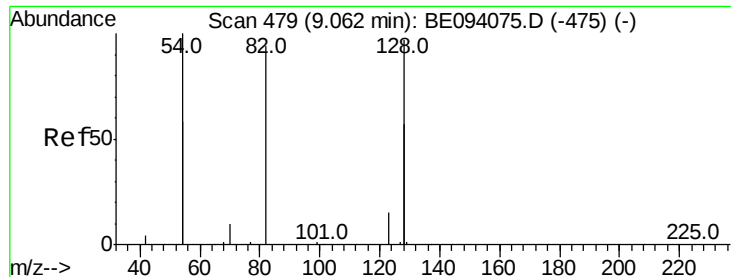
Ion 3390.00 (3389.70 to 3390.70): BE0

Ion 3410.00 (3409.70 to 3410.70): BE0

Ion 3430.00 (3429.70 to 3430.70): BE0

Ion 3450.00 (3449.70 to 3450.70): BE0

Ion 3470.00 (3469.70 to 3470.70): BE0



#8

Nitrobenzene-d5

Concen: 0.285 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094084.D

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Instrument :

BNA_E

ClientSampleId :

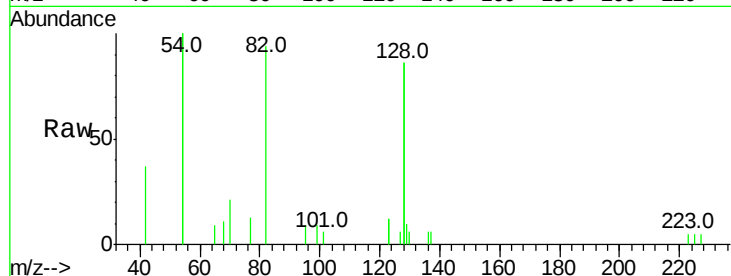
Tot Ion: 82 Resp: 1860

Ion Ratio Lower Upper

82 100

128 183.3 150.0 225.0

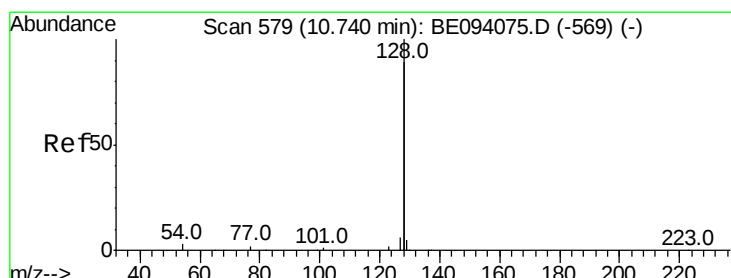
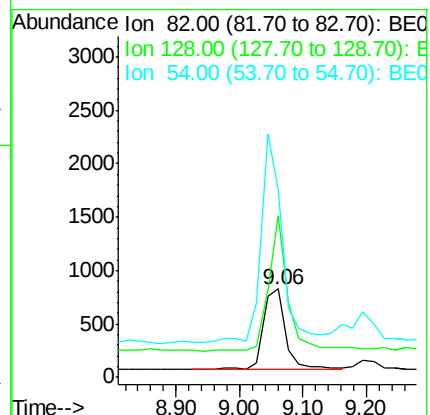
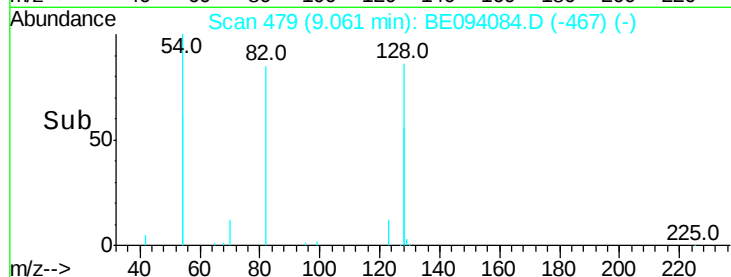
54 212.8 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE094084.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094084.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094084.D (-467) (-)



#9

Naphthalene

Concen: Below Cal

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

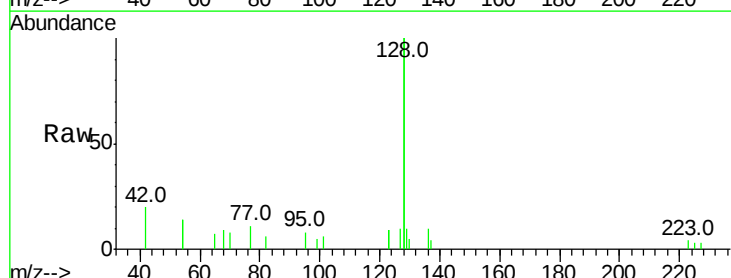
Tgt Ion: 128 Resp: 5447

Ion Ratio Lower Upper

128 100

129 5.1 2.6 3.8#

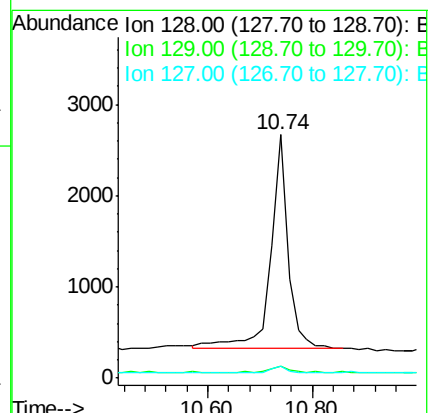
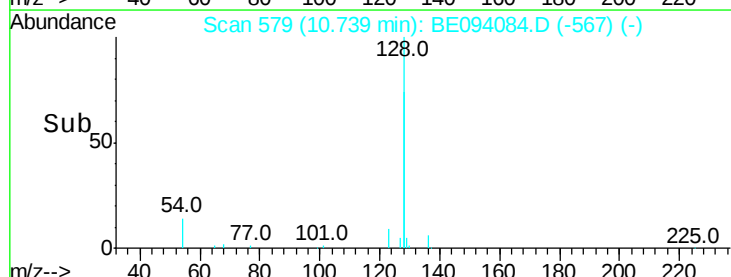
127 4.9 2.8 4.2#

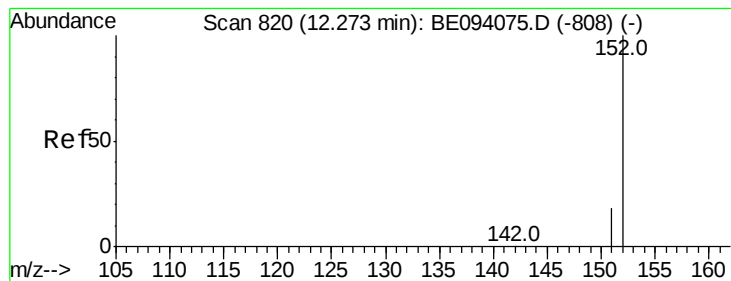


Abundance Ion 128.00 (127.70 to 128.70): BE094084.D (-567) (-)

Ion 129.00 (128.70 to 129.70): BE094084.D (-567) (-)

Ion 127.00 (126.70 to 127.70): BE094084.D (-567) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.287 ng

RT: 12.27 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

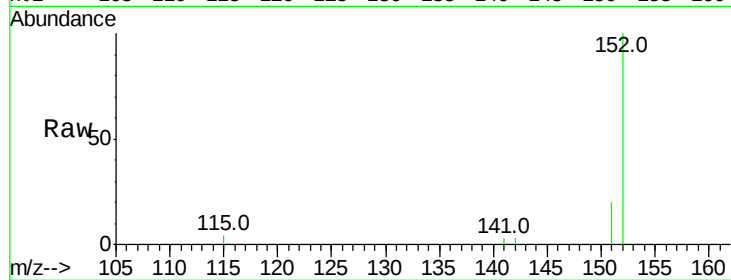
ClientSampleId :

Tot Ion:152 Resp: 3562

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

2500

2000

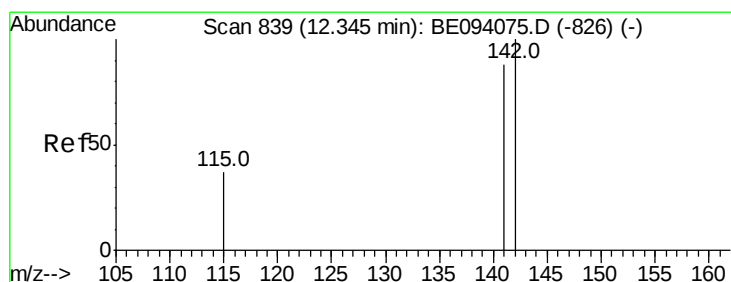
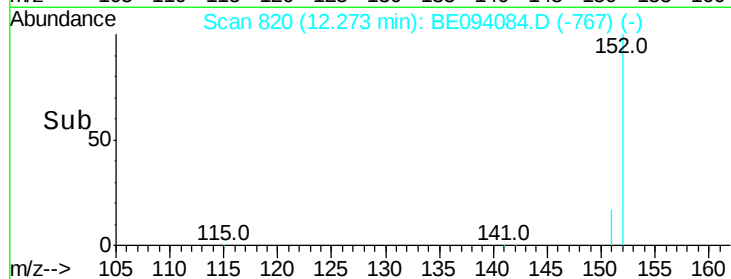
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.049 ng

RT: 12.35 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

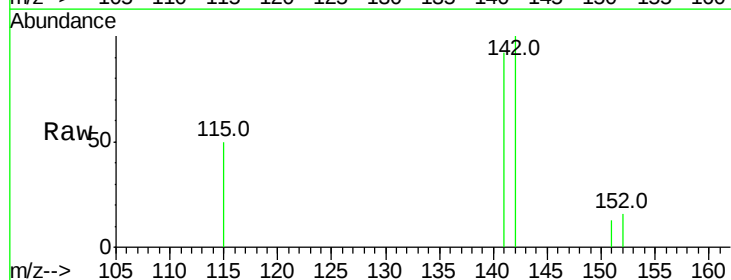
Tgt Ion:142 Resp: 726

Ion Ratio Lower Upper

142 100

141 92.3 70.4 105.6

115 50.2 31.7 47.5#



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

12.35

600

500

400

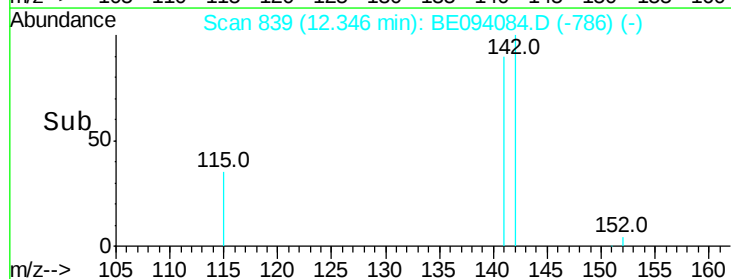
300

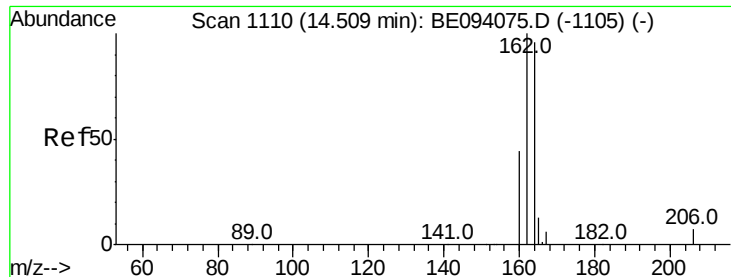
200

100

0

Time--> 12.30 12.40





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.51 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

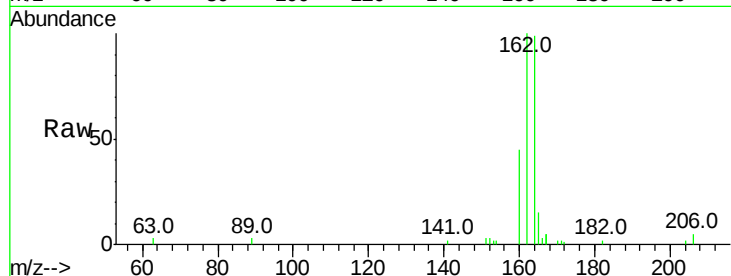
Tot Ion:164 Resp: 5378

Ion Ratio Lower Upper

164 100

162 101.3 83.1 124.7

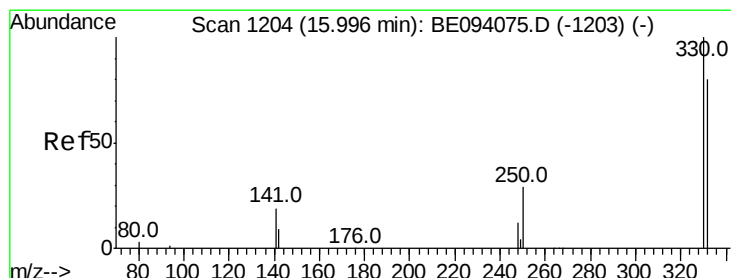
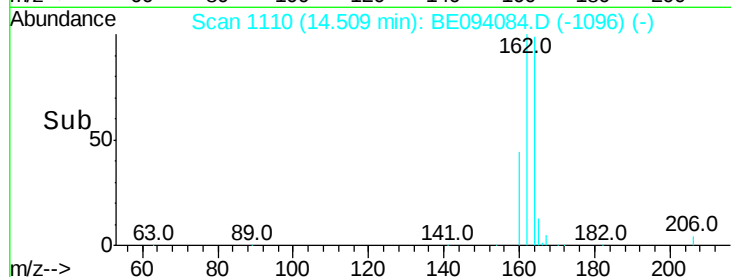
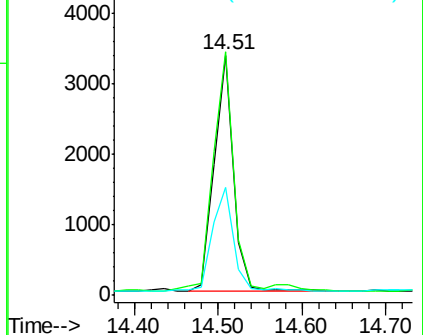
160 45.2 37.1 55.7



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: 0.469 ng

RT: 16.00 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

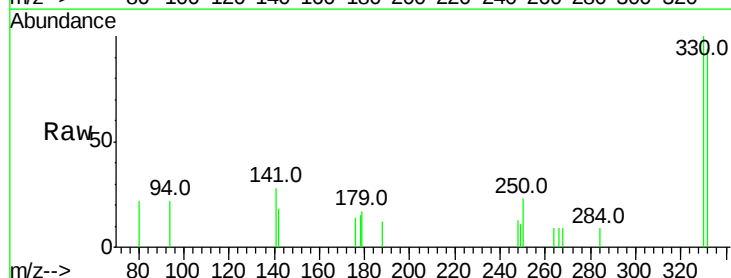
Tgt Ion:330 Resp: 1914

Ion Ratio Lower Upper

330 100

332 96.4 152.7 229.1#

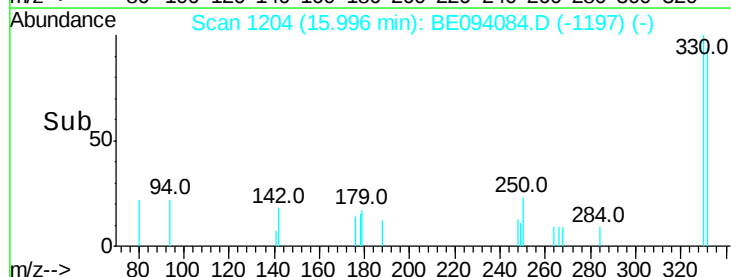
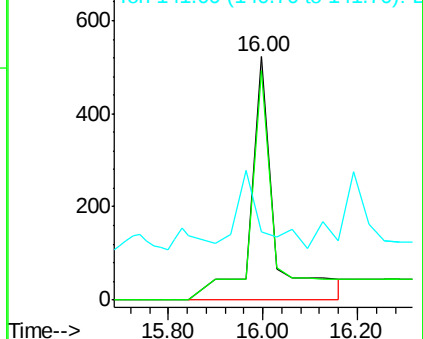
141 0.0 33.7 50.5#

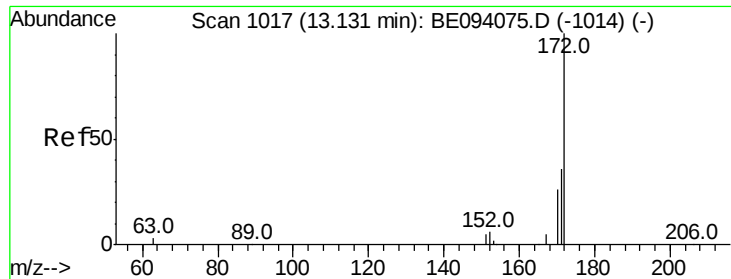


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

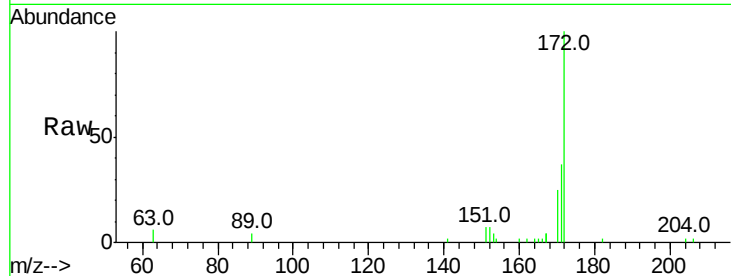




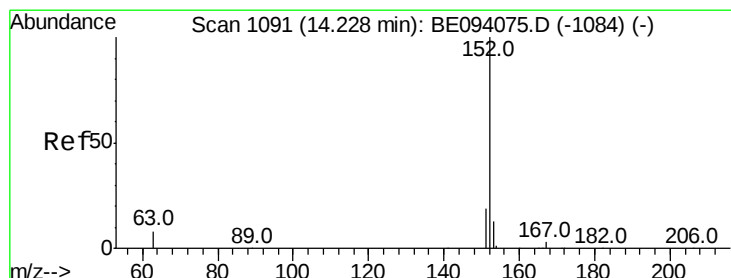
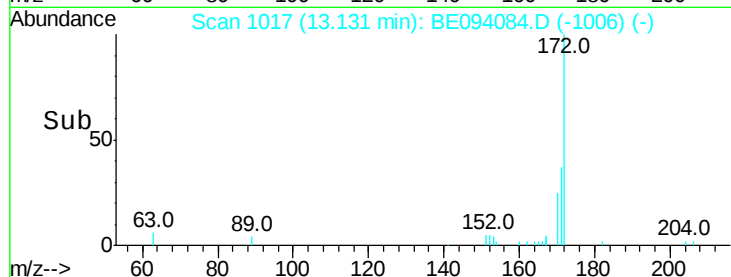
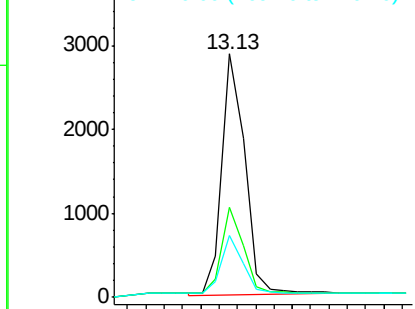
#15
2-Fluorobiphenyl
Concen: 0.286 ng
RT: 13.13 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE094084.D
Acq: 23 Sep 2017 18:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5048
Ion Ratio Lower Upper
172 100
171 37.1 29.9 44.9
170 25.3 21.8 32.8

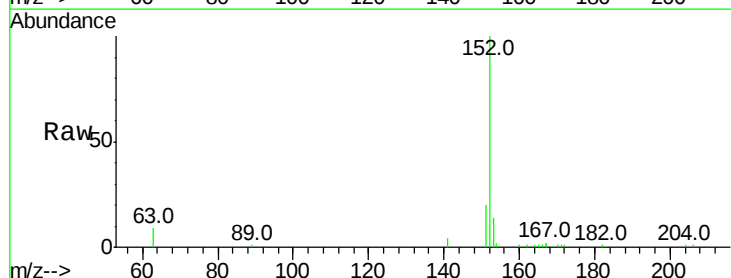


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

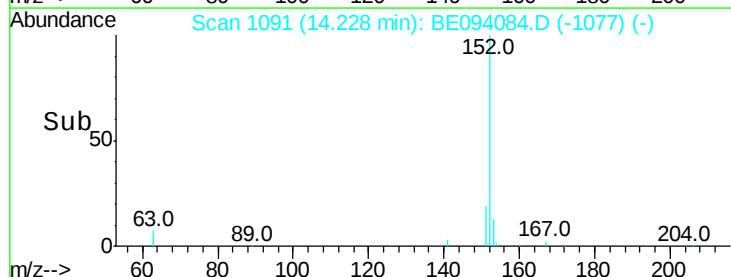
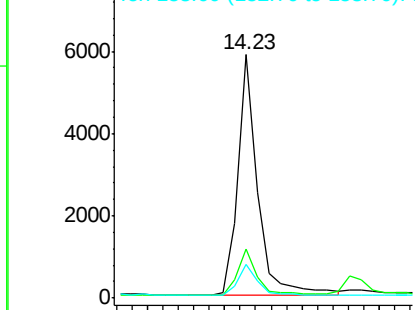


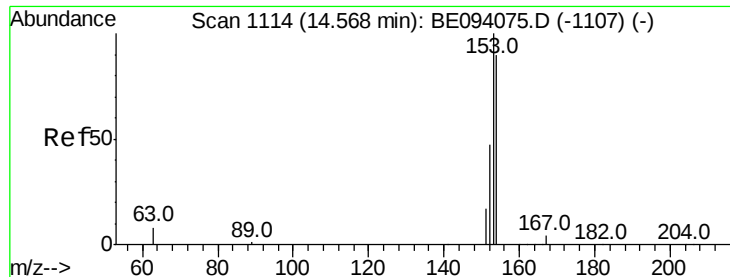
#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.23 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE094084.D
Acq: 23 Sep 2017 18:53

Tgt Ion:152 Resp: 10399
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 13.5 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





#17

Acenaphthene

Concen: 0.074 ng

RT: 14.57 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

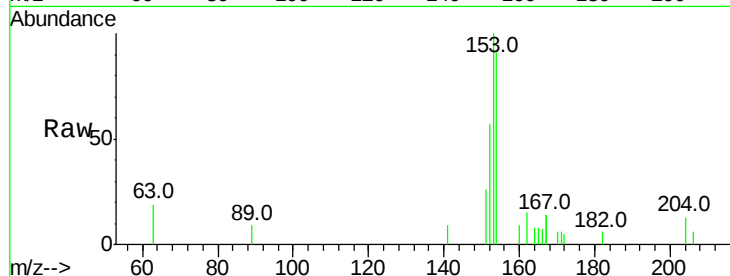
Tot Ion:154 Resp: 1326

Ion Ratio Lower Upper

154 100

153 109.7 89.2 133.8

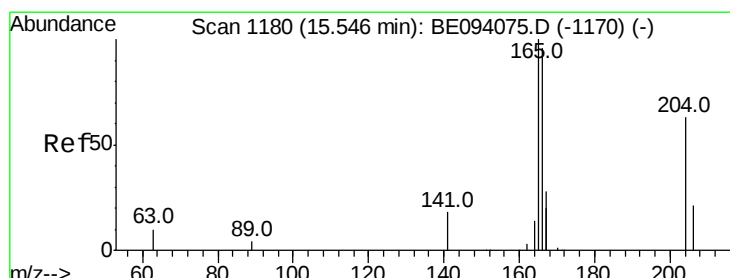
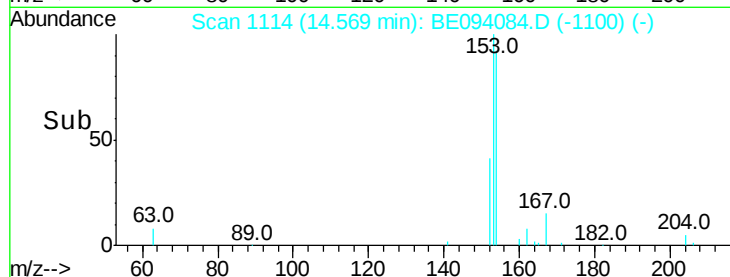
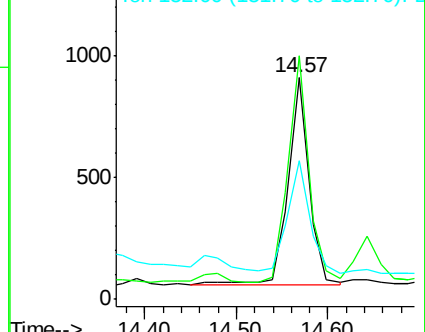
152 54.2 42.0 63.0



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



#18

Fluorene

Concen: 0.139 ng

RT: 15.55 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

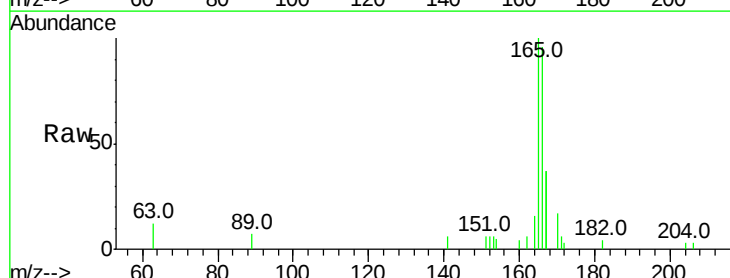
Tgt Ion:166 Resp: 3721

Ion Ratio Lower Upper

166 100

165 106.6 77.8 116.6

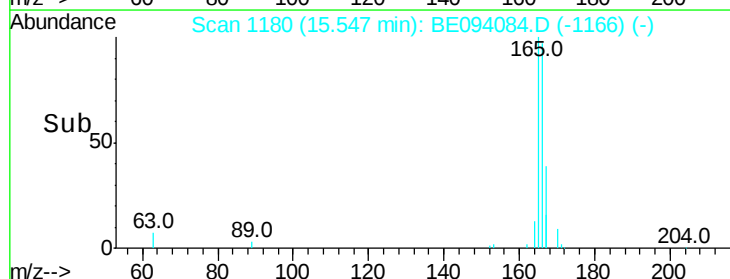
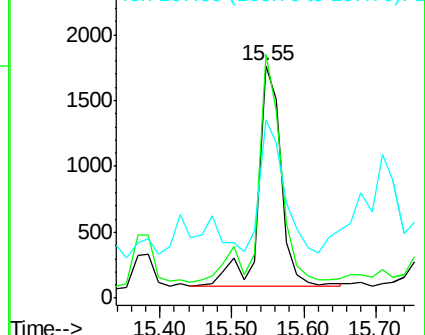
167 62.9 42.4 63.6

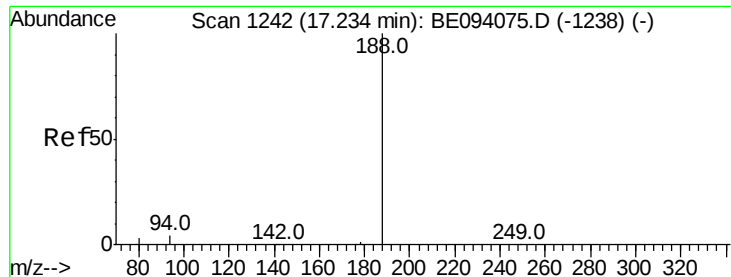


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

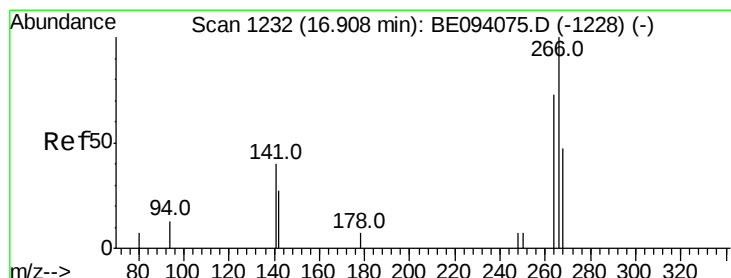
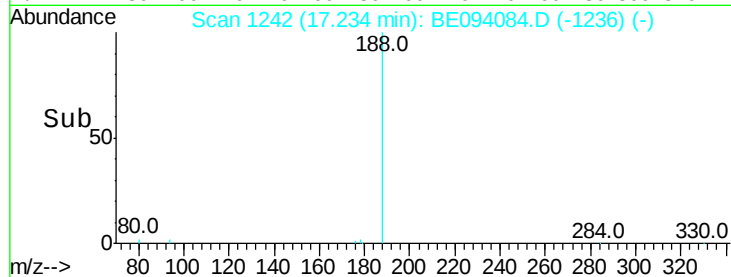
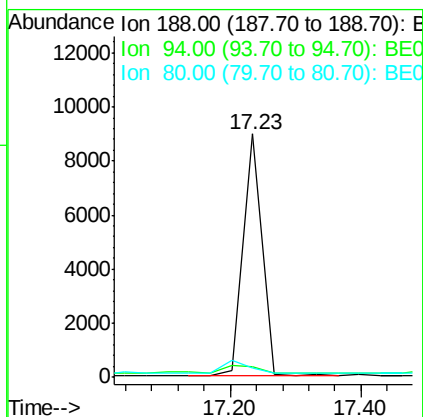
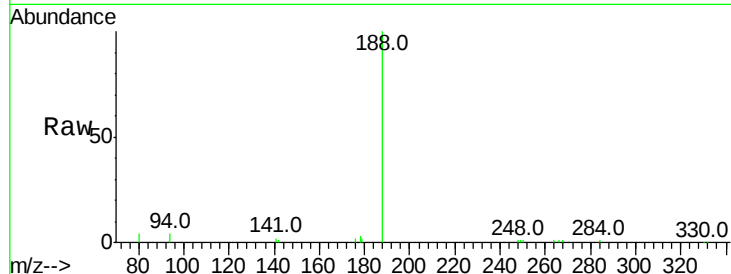




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE094084.D
Acq: 23 Sep 2017 18:53

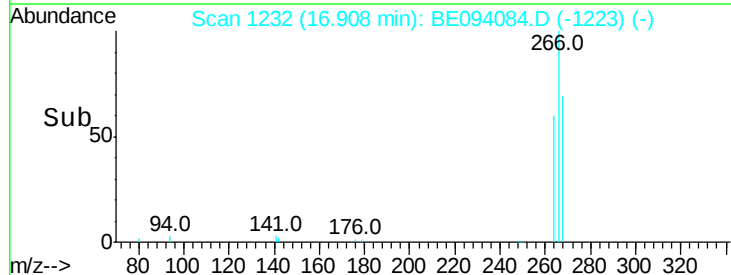
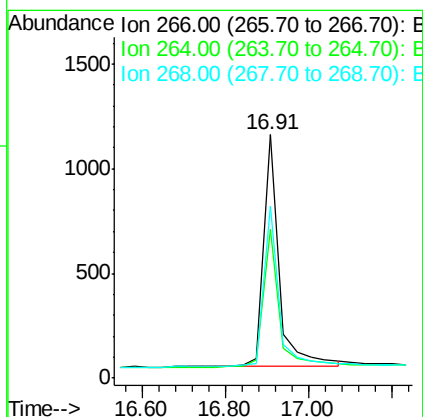
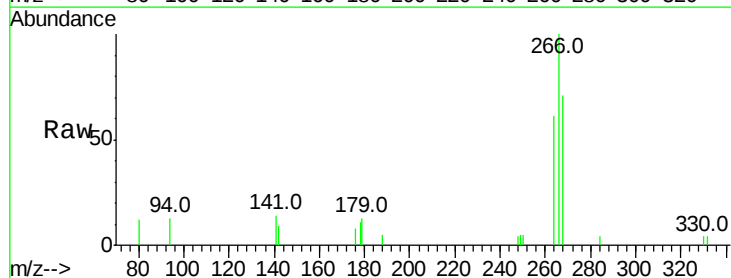
Instrument :
BNA_E
ClientSampleId :

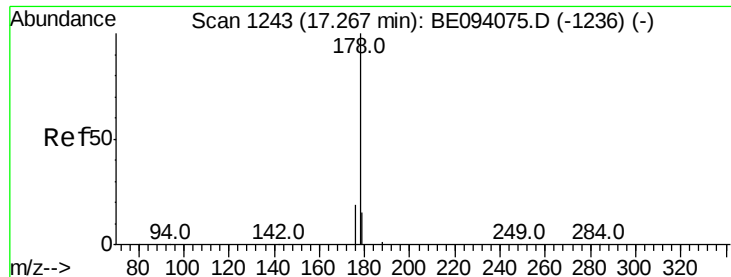
Tot Ion:188 Resp: 18057
Ion Ratio Lower Upper
188 100
94 4.4 3.9 5.9
80 3.9 3.6 5.4



#22
Pentachlorophenol
Concen: 1.191 ng
RT: 16.91 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE094084.D
Acq: 23 Sep 2017 18:53

Tgt Ion:266 Resp: 2920
Ion Ratio Lower Upper
266 100
264 61.2 72.5 108.7#
268 70.8 73.8 110.6#





#23

Phenanthrene

Concen: 2.133 ng

RT: 17.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

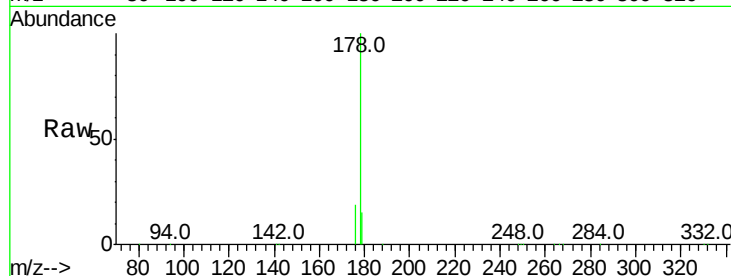
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 137940

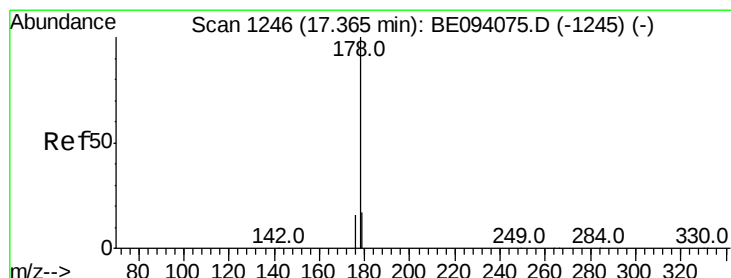
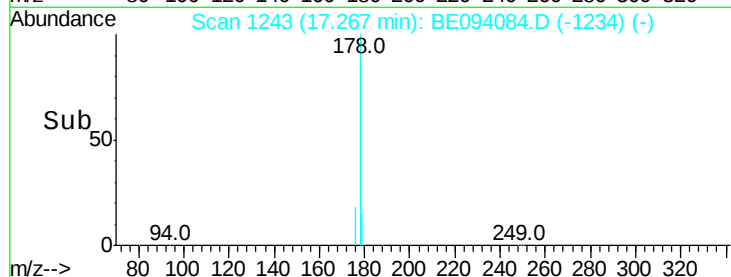
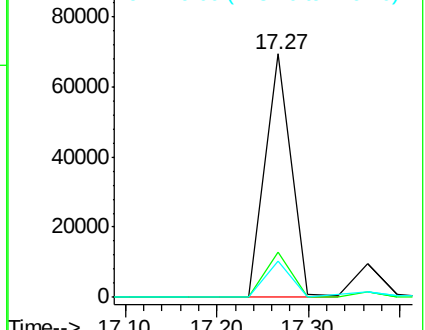
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.8	11.8	17.6



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: 2.766 ng

RT: 17.27 min Scan# 1243

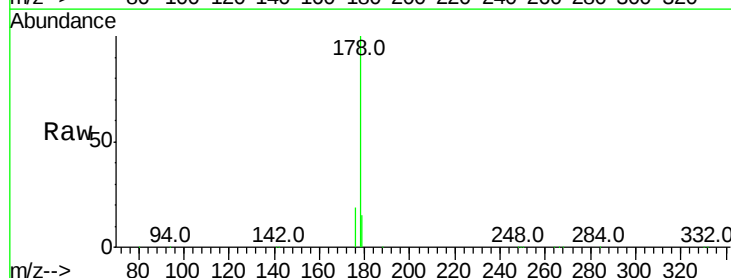
Delta R.T. -0.10 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Tgt Ion:178 Resp: 137940

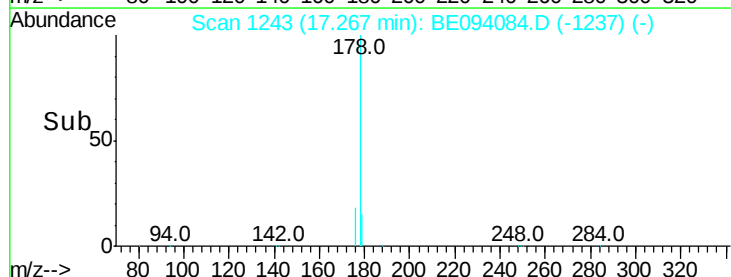
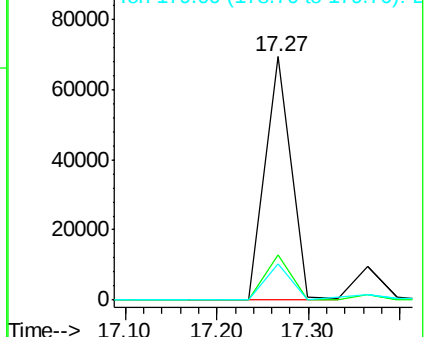
Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.8	19.2
179	15.8	13.0	19.6

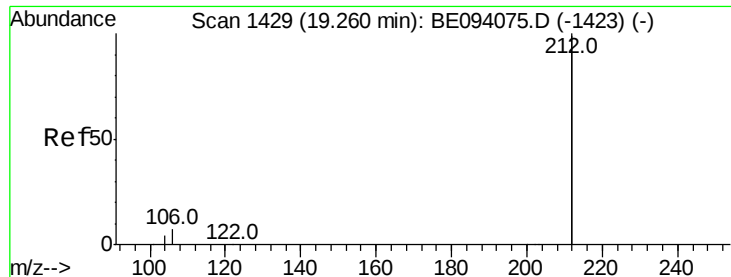


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

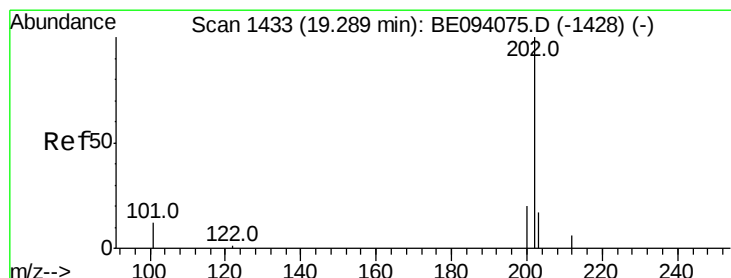
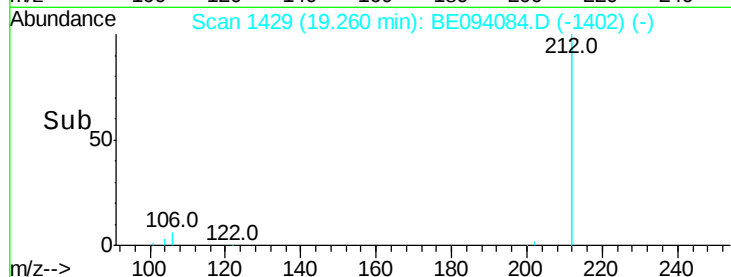
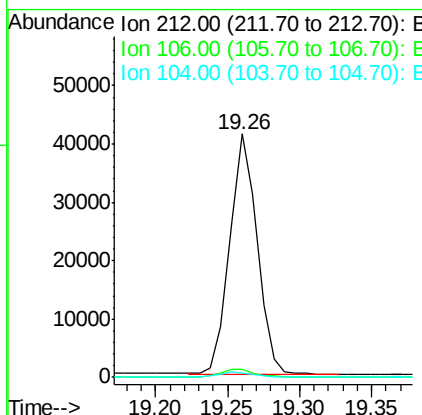
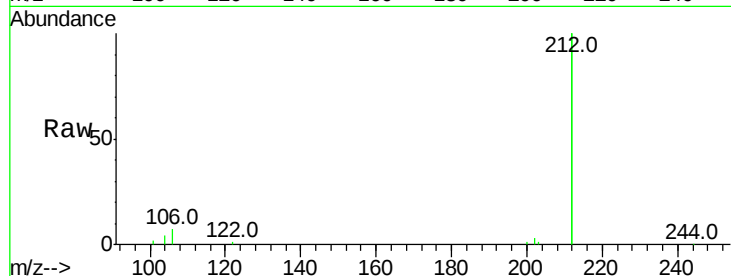




#25
 Fluoranthene-d10
 Concen: 0.237 ng
 RT: 19.26 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BE094084.D
 Acq: 23 Sep 2017 18:53

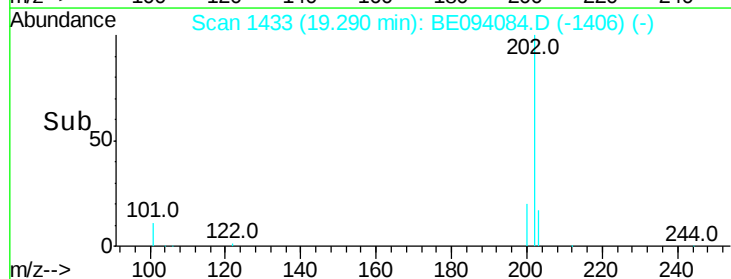
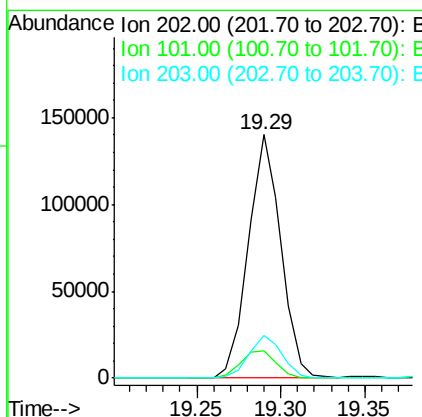
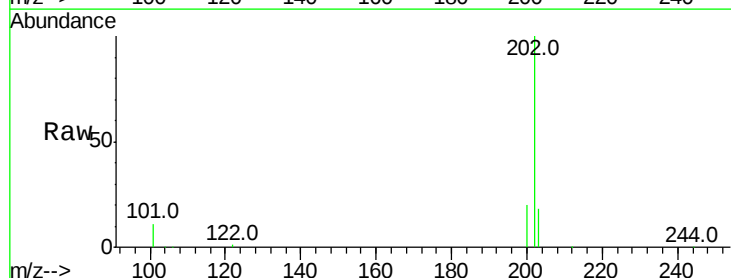
Instrument :
 BNA_E
 ClientSampleId :

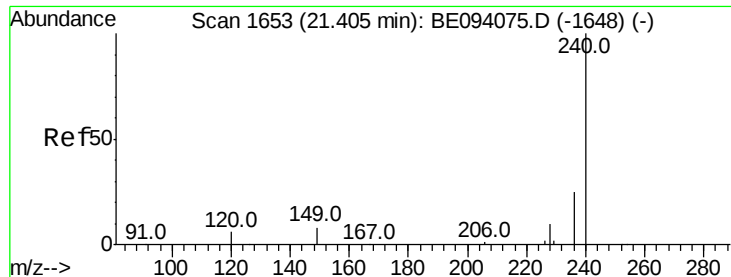
Tot Ion:212 Resp: 54821
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.8 4.2
 104 2.1 1.6 2.4



#26
 Fluoranthene
 Concen: 2.706 ng
 RT: 19.29 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BE094084.D
 Acq: 23 Sep 2017 18:53

Tgt Ion:202 Resp: 187782
 Ion Ratio Lower Upper
 202 100
 101 12.1 9.8 14.8
 203 17.6 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

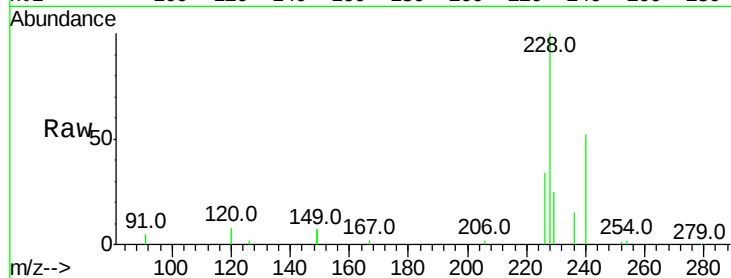
Tot Ion:240 Resp: 19631

Ion Ratio Lower Upper

240 100

120 16.1 5.5 8.3#

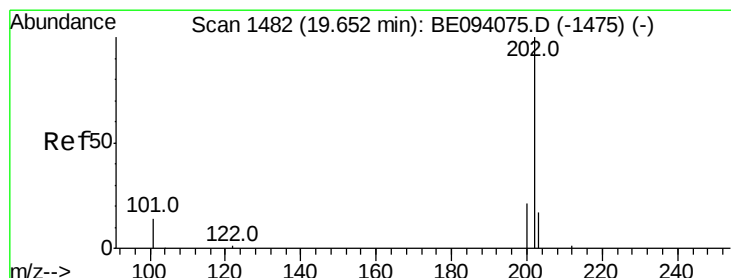
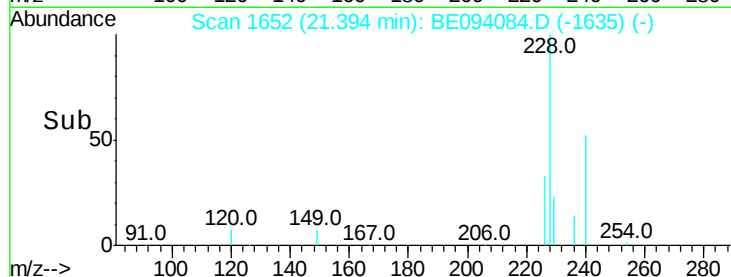
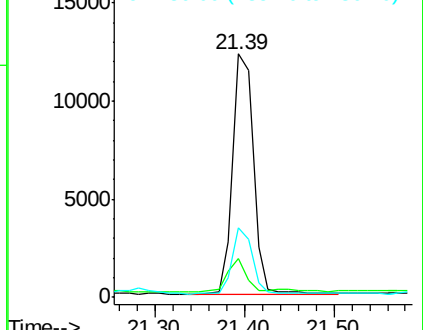
236 28.6 20.7 31.1



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: 3.095 ng

RT: 19.65 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

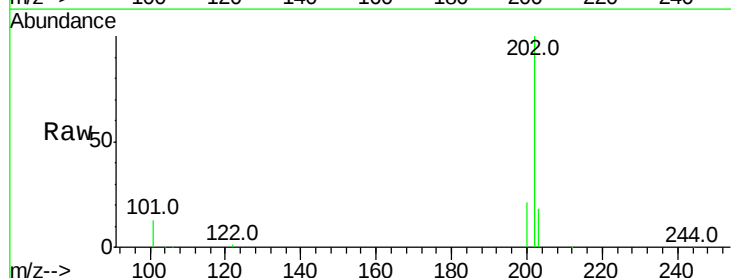
Tgt Ion:202 Resp: 168097

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

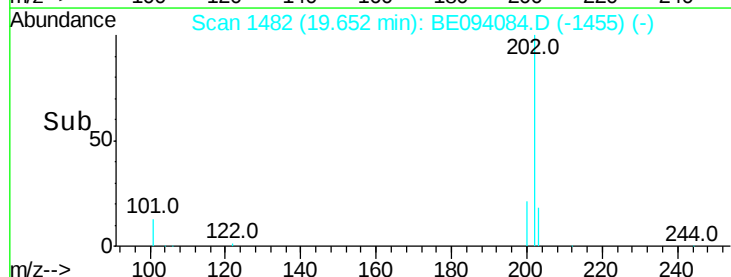
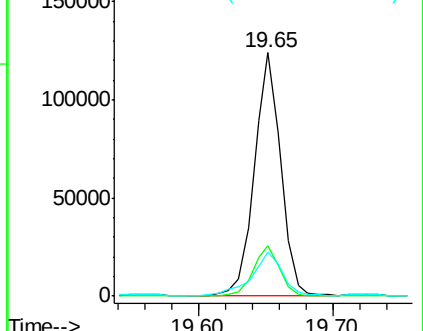
203 20.6 13.8 20.8

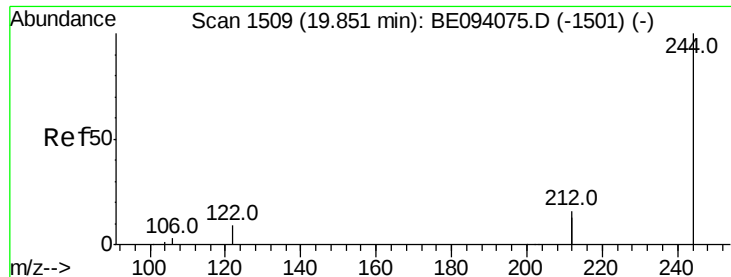


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.269 ng

RT: 19.84 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

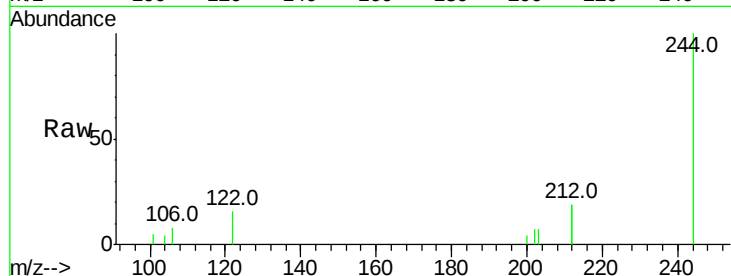
Tot Ion:244 Resp: 8265

Ion Ratio Lower Upper

244 100

212 38.5 25.4 38.0#

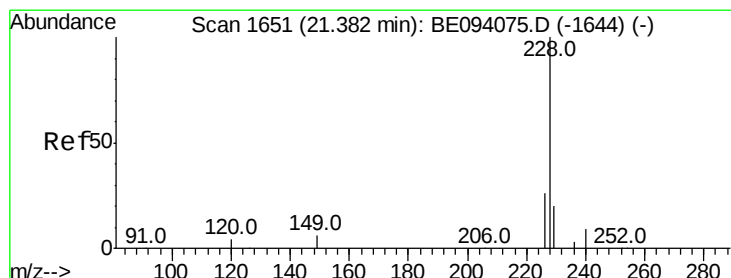
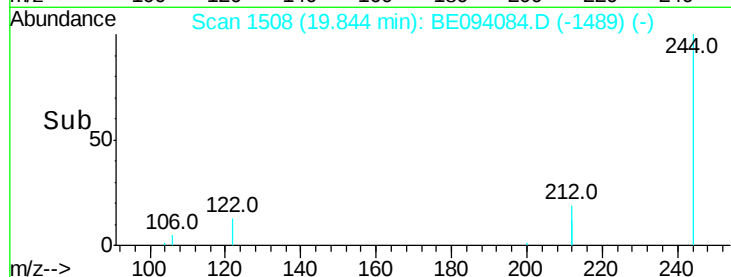
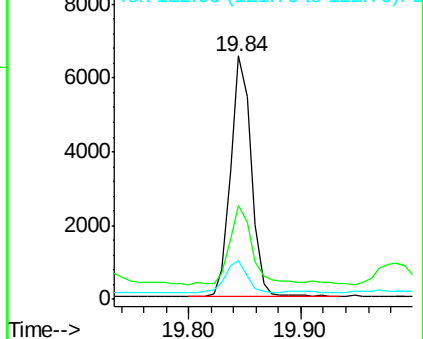
122 15.8 8.1 12.1#



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: 1.543 ng

RT: 21.38 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

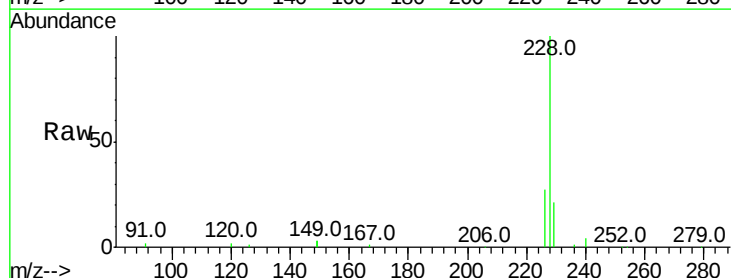
Tgt Ion:228 Resp: 101419

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

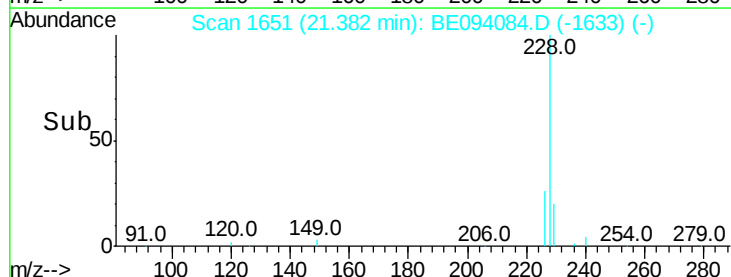
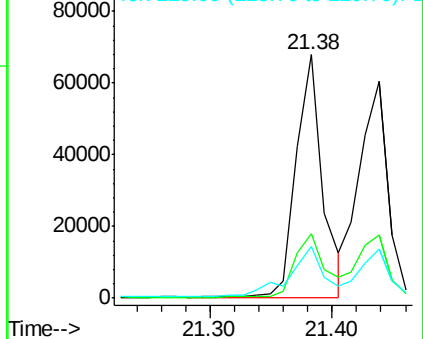
229 21.2 16.4 24.6

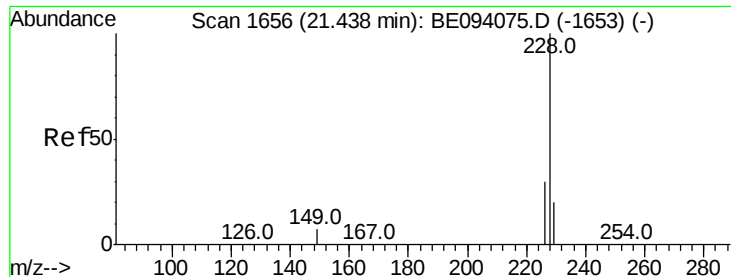


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 1.511 ng

RT: 21.44 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

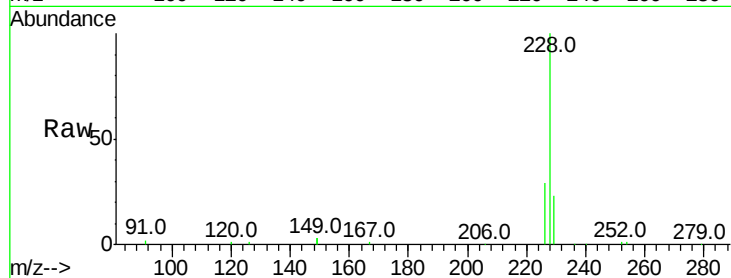
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 97337

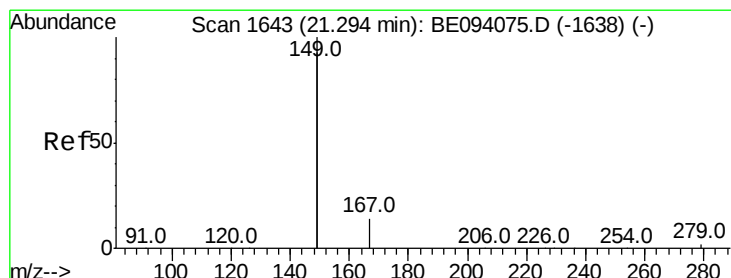
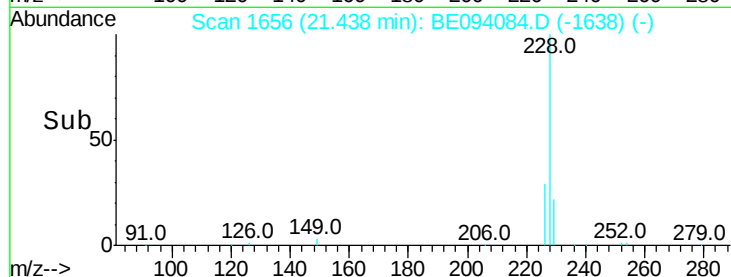
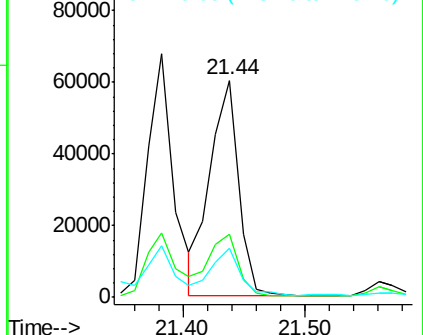
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.6	35.4
229	22.8	16.4	24.6



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: 0.247 ng

RT: 21.29 min Scan# 1643

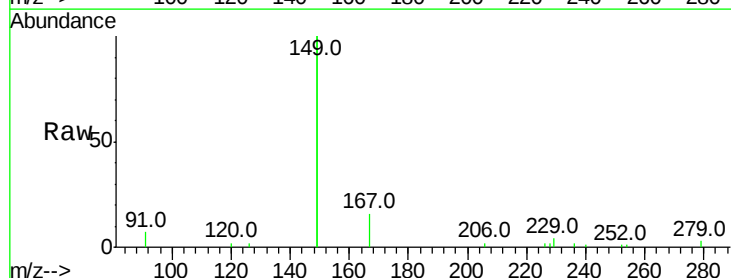
Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Tgt Ion:149 Resp: 43711

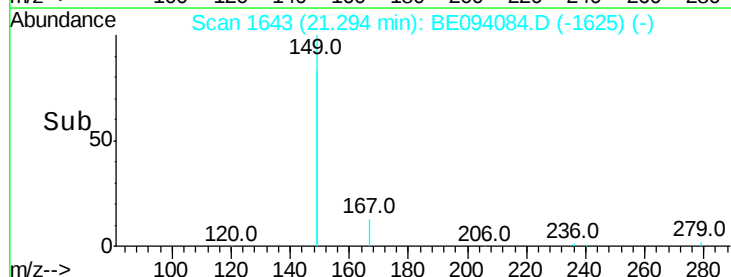
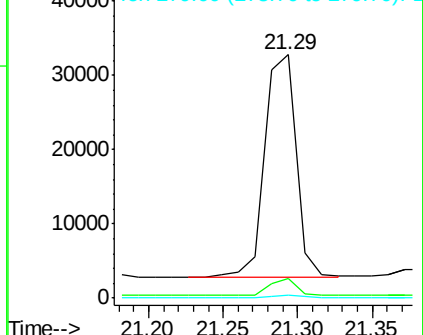
Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.9	0.7	1.1

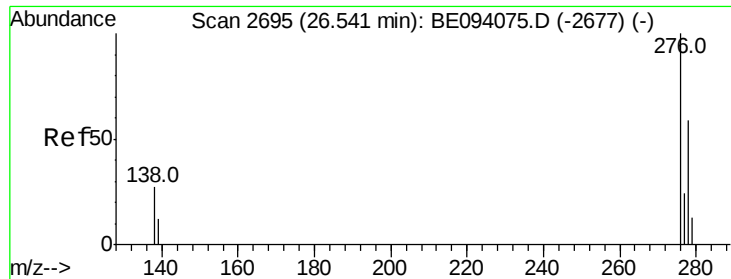


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.869 ng

RT: 26.54 min Scan# 2694

Delta R.T. -0.00 min

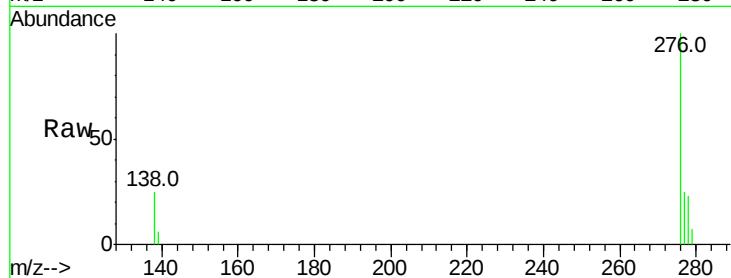
Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :



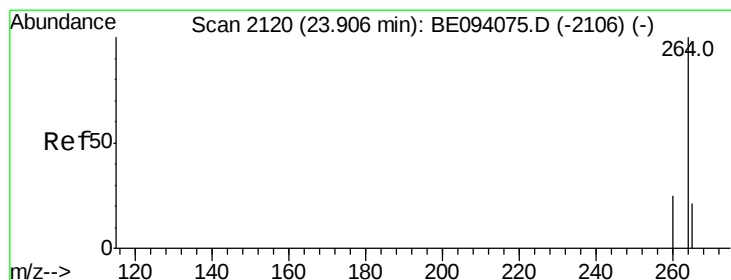
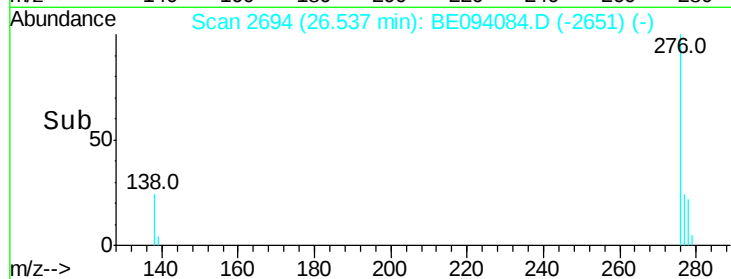
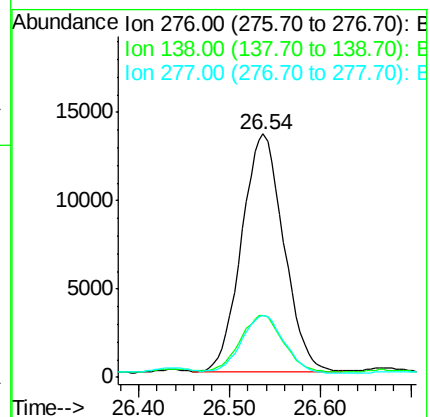
Tot Ion:276 Resp: 43270

Ion Ratio Lower Upper

276 100

138 24.7 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

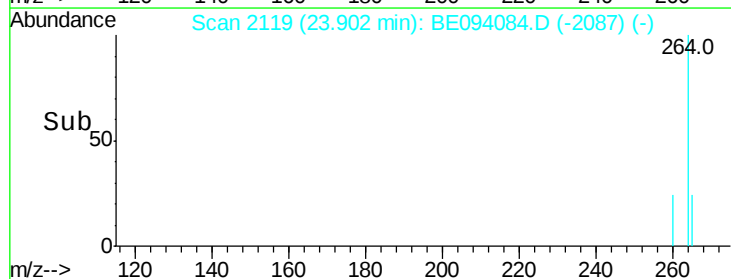
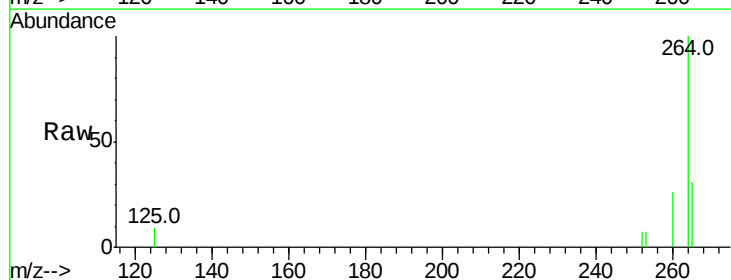
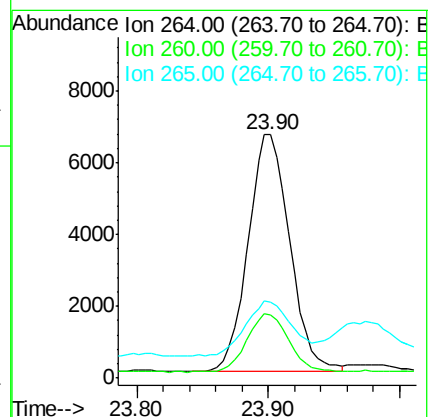
Tgt Ion:264 Resp: 14596

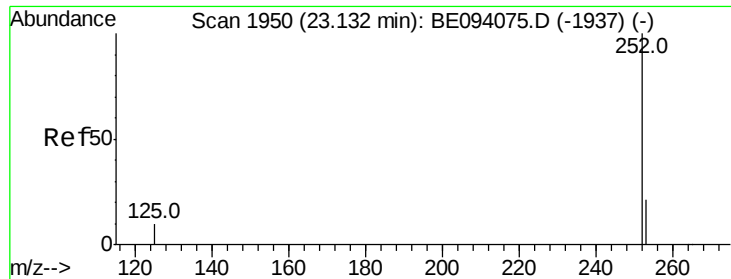
Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 31.2 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 2.107 ng

RT: 23.13 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

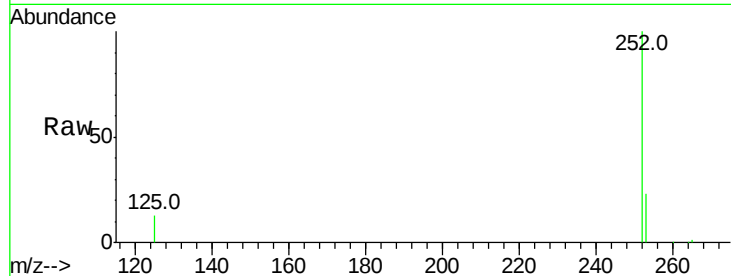
Tot Ion:252 Resp: 111327

Ion Ratio Lower Upper

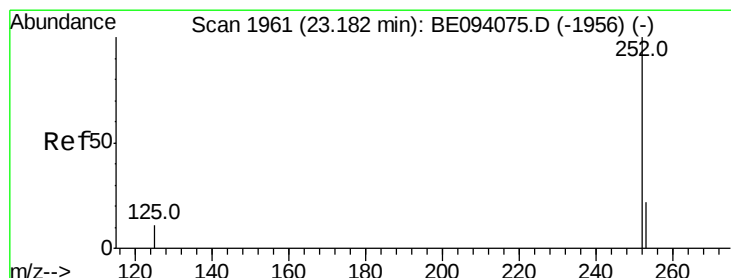
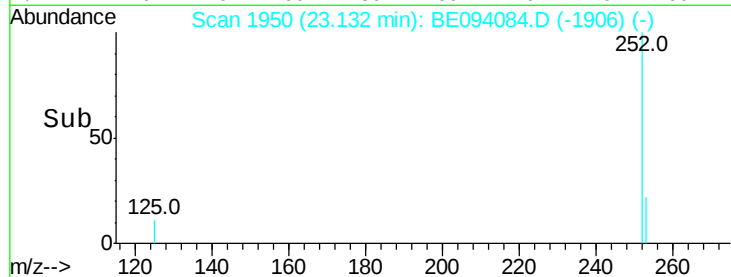
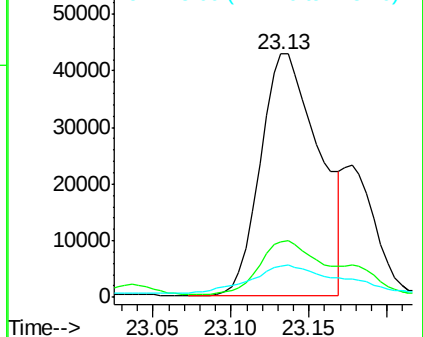
252 100

253 22.8 18.2 27.2

125 13.0 10.1 15.1



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: 2.100 ng

RT: 23.13 min Scan# 1950

Delta R.T. -0.05 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

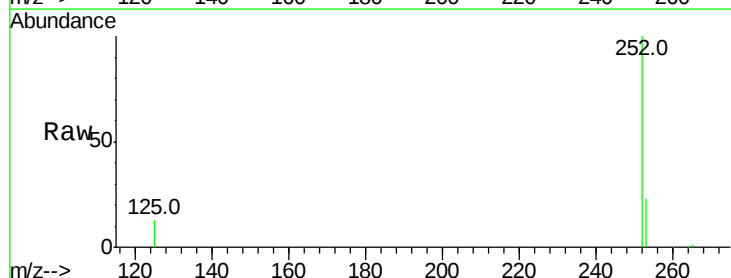
Tgt Ion:252 Resp: 111327

Ion Ratio Lower Upper

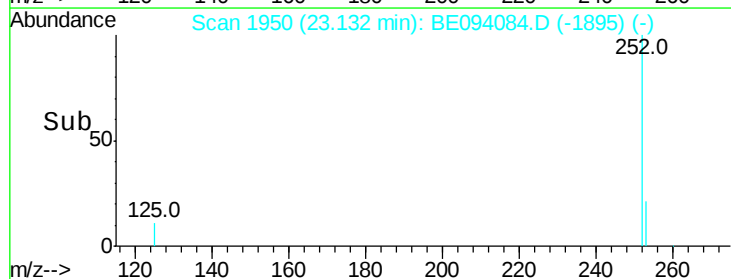
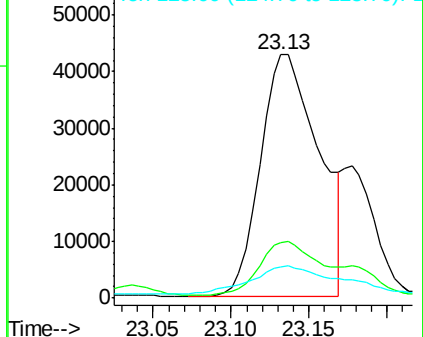
252 100

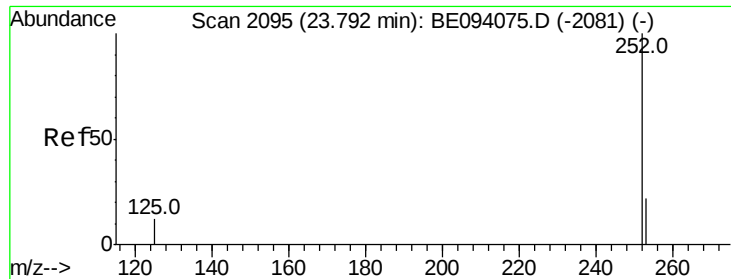
253 22.8 18.6 27.8

125 13.0 10.7 16.1



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: 1.382 ng

RT: 23.79 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :

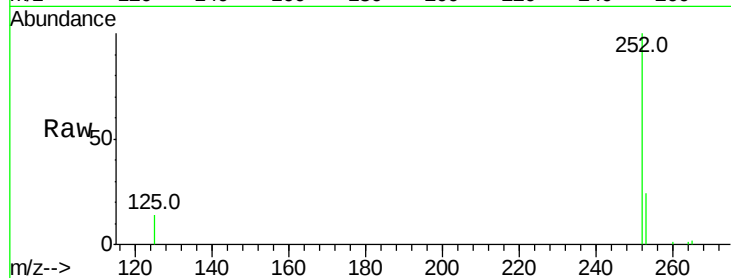
Tot Ion:252 Resp: 65573

Ion Ratio Lower Upper

252 100

253 23.8 19.0 28.6

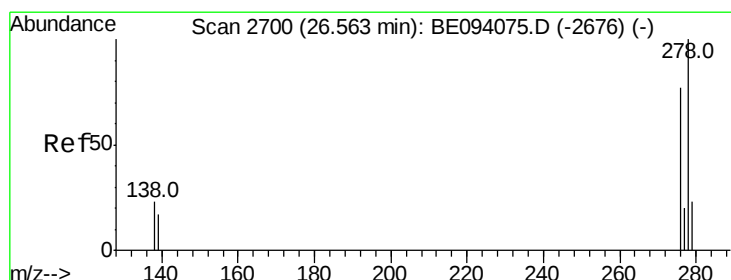
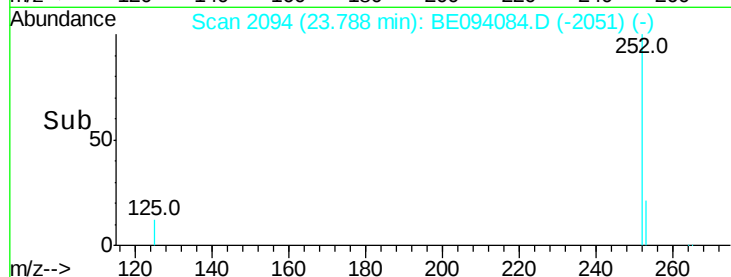
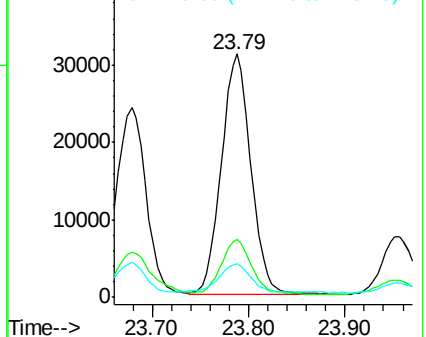
125 13.9 11.8 17.8



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: 0.309 ng

RT: 26.55 min Scan# 2696

Delta R.T. -0.02 min

Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

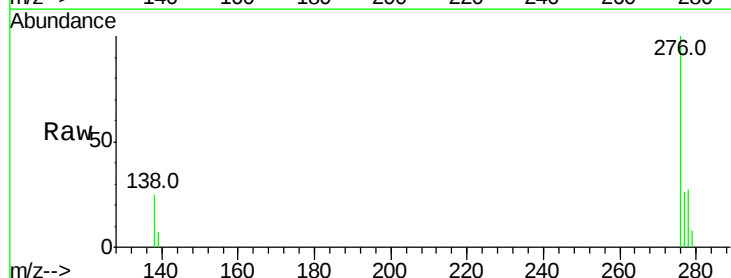
Tgt Ion:278 Resp: 11727

Ion Ratio Lower Upper

278 100

139 26.0 16.3 24.5#

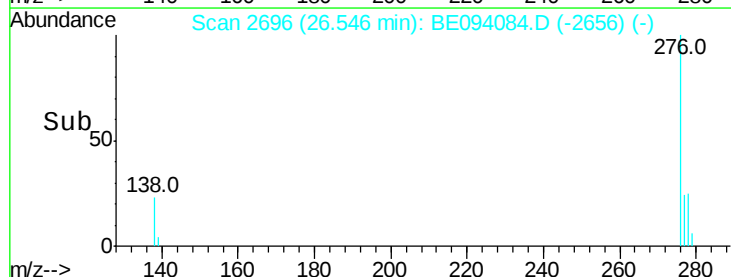
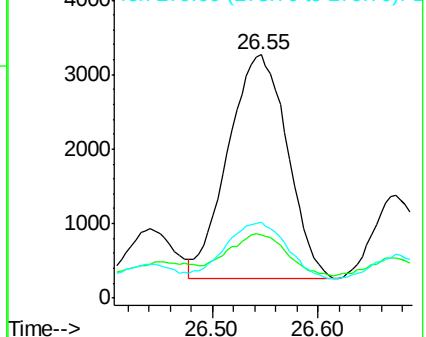
279 31.4 19.9 29.9#

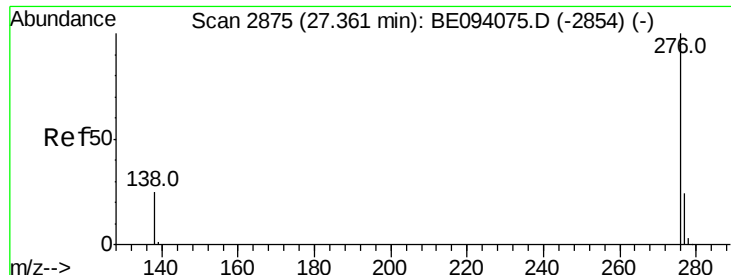


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.120 ng

RT: 27.36 min Scan# 2874

Delta R.T. -0.00 min

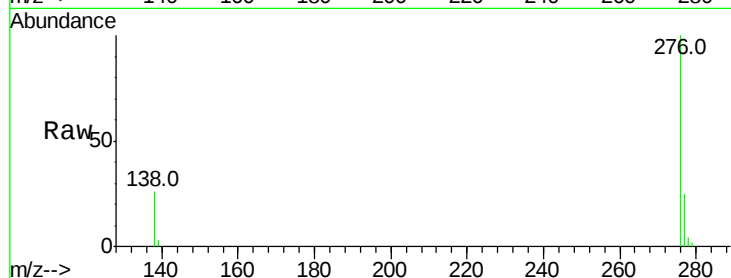
Lab File: BE094084.D

Acq: 23 Sep 2017 18:53

Instrument :

BNA_E

ClientSampleId :



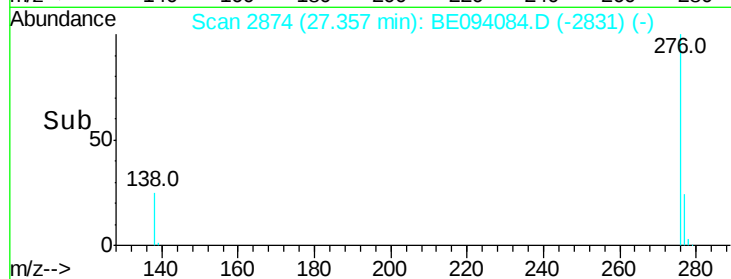
Tot Ion: 276 Resp: 42518

Ion Ratio Lower Upper

276 100

277 25.3 20.8 31.2

138 26.4 21.5 32.3



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

