

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094948.D
 Acq On : 6 Dec 2017 12:43
 Operator : SJ/JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 06 13:59:59 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	6945	0.40	ng	-0.01
7) Naphthalene-d8	11.33	136	14751	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	8554	0.40	ng	-0.02
19) Phenanthrene-d10	17.77	188	21616	0.40	ng	0.00
27) Chrysene-d12	21.87	240	23737	0.40	ng	-0.01
34) Perylene-d12	24.55	264	18178	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	4488	0.41	ng	0.00
5) Phenol-d6	7.59	99	6597	0.41	ng	0.00
8) Nitrobenzene-d5	9.65	82	4577	0.52	ng	-0.02
11) 2-Methylnaphthalene-d10	12.86	152	9553	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	955	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	14542	0.40	ng	0.00
25) Fluoranthene-d10	19.75	212	107475	0.36	ng	0.00
29) Terphenyl-d14	20.31	244	17603	0.40	ng	-0.01

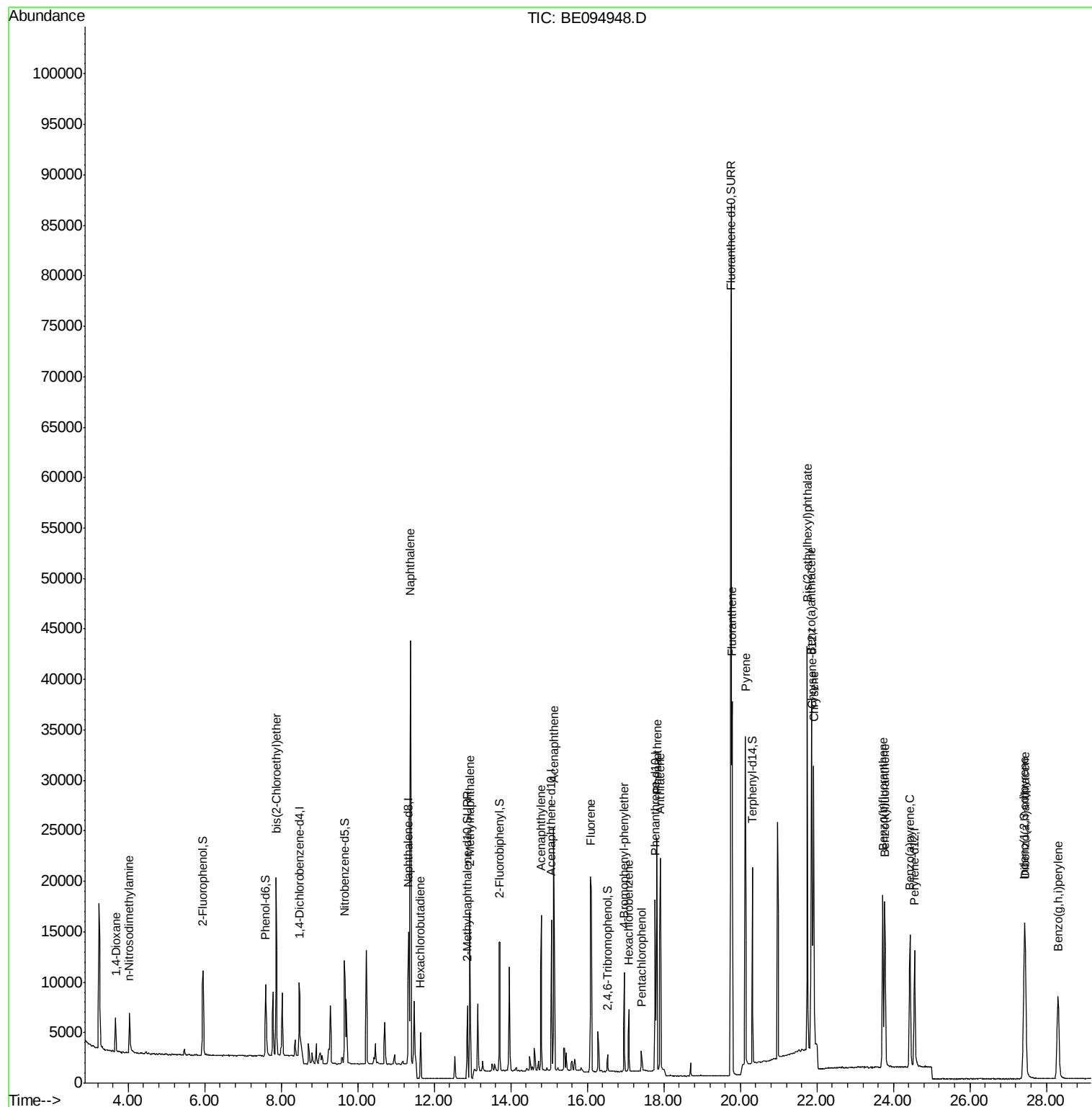
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.68	88	2836	0.390	ng	# 91
3) n-Nitrosodimethylamine	4.01	42	3388	0.366	ng	85
6) bis(2-Chloroethyl)ether	7.87	93	5939	0.368	ng	97
9) Naphthalene	11.38	128	68041	0.393	ng	99
10) Hexachlorobutadiene	11.64	225	2957	0.405	ng	98
12) 2-Methylnaphthalene	12.94	142	16845	0.392	ng	98
16) Acenaphthylene	14.79	152	18297	0.379	ng	99
17) Acenaphthene	15.12	154	12116	0.388	ng	95
18) Fluorene	16.10	166	15453	0.389	ng	# 79
20) 4-Bromophenyl-phenylether	16.97	248	4779	0.396	ng	# 84
21) Hexachlorobenzene	17.09	284	4785	0.407	ng	# 78
22) Pentachlorophenol	17.41	266	1143	0.427	ng	# 77
23) Phenanthrene	17.82	178	26359	0.383	ng	98
24) Anthracene	17.91	178	27416	0.375	ng	# 93
26) Fluoranthene	19.78	202	32251	0.364	ng	99
28) Pyrene	20.13	202	32453	0.396	ng	99
30) Benzo(a)anthracene	21.85	228	28062	0.386	ng	# 62
31) Chrysene	21.92	228	30294	0.377	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.75	149	44773	0.371	ng	100
33) Indeno(1,2,3-cd)pyrene	27.42	276	24879	0.378	ng	99
35) Benzo(b)fluoranthene	23.72	252	25974	0.391	ng	# 40
36) Benzo(k)fluoranthene	23.78	252	24825	0.367	ng	# 40
37) Benzo(a)pyrene	24.43	252	22466	0.386	ng	# 33
38) Dibenzo(a,h)anthracene	27.44	278	20937	0.390	ng	# 43
39) Benzo(g,h,i)perylene	28.30	276	20775	0.387	ng	# 53

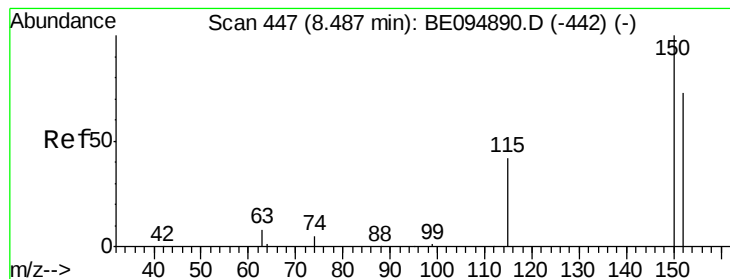
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
Data File : BE094948.D
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Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 06 13:59:59 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

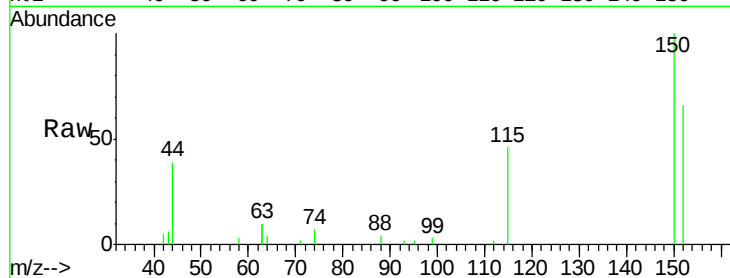
Tot Ion:152 Resp: 6945

Ion Ratio Lower Upper

152 100

150 151.3 117.2 175.8

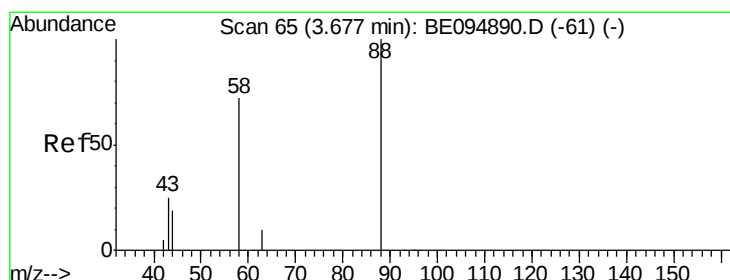
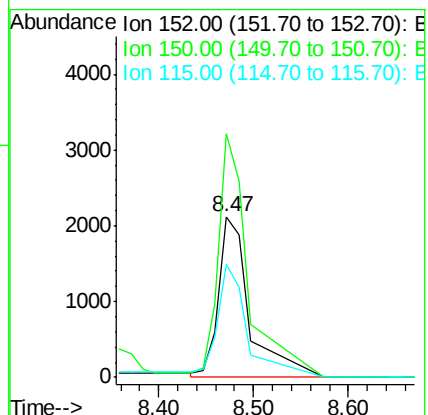
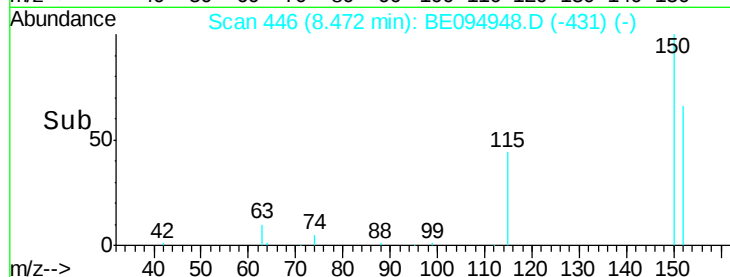
115 70.1 57.0 85.6



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



#2

1,4-Dioxane

Concen: 0.390 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

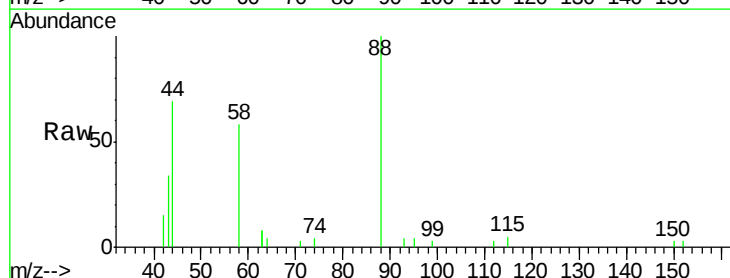
Tgt Ion: 88 Resp: 2836

Ion Ratio Lower Upper

88 100

58 79.9 63.2 94.8

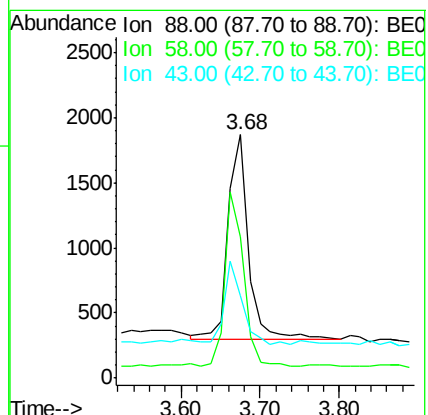
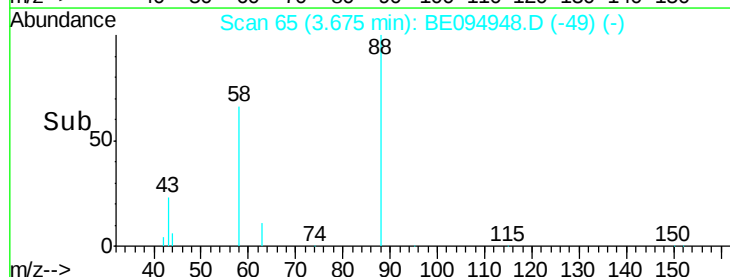
43 36.4 41.2 61.8#

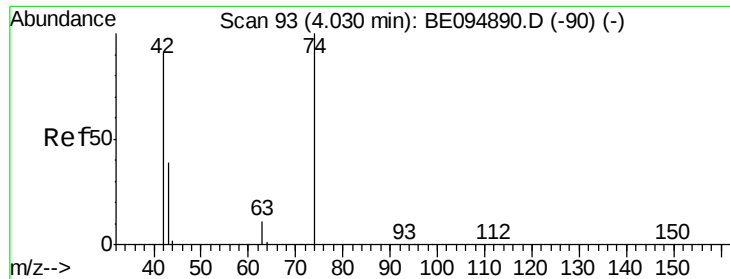


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.366 ng

RT: 4.01 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampled :

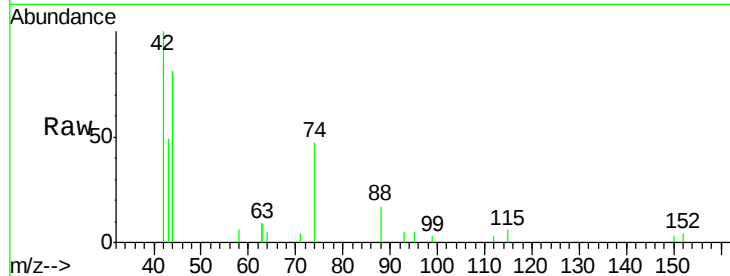
Tot Ion: 42 Resp: 3388

Ion Ratio Lower Upper

42 100

74 107.7 100.3 150.5

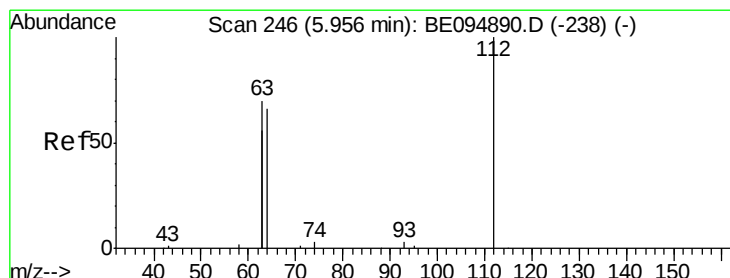
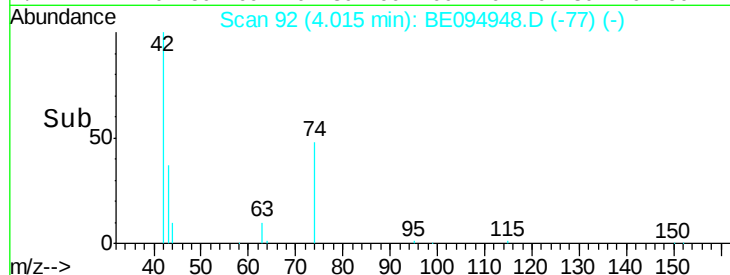
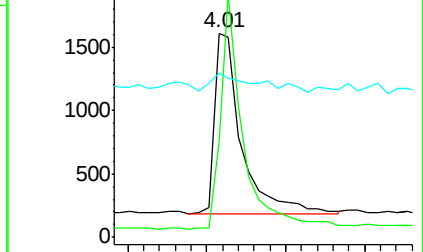
44 17.2 17.0 25.4



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: 0.408 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

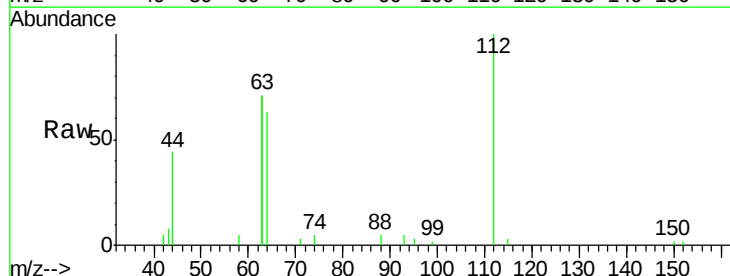
Tgt Ion: 112 Resp: 4488

Ion Ratio Lower Upper

112 100

64 74.8 60.1 90.1

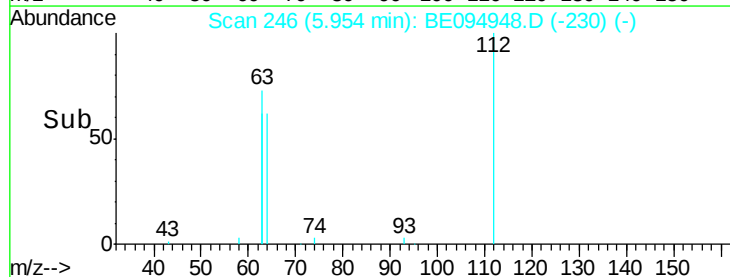
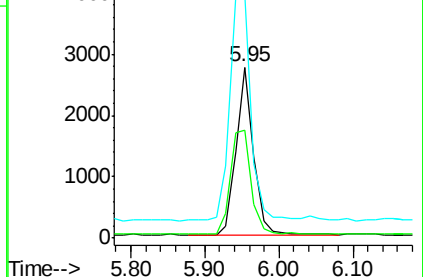
63 162.7 116.8 175.2

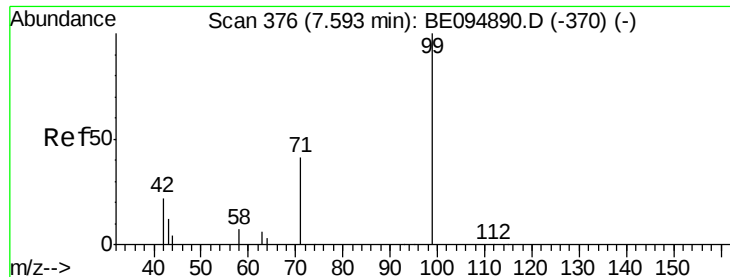


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.405 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampled :

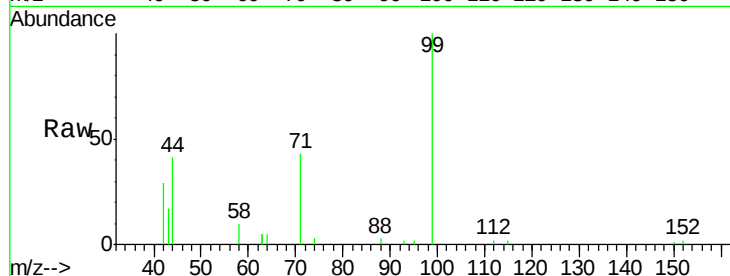
Tot Ion: 99 Resp: 6597

Ion Ratio Lower Upper

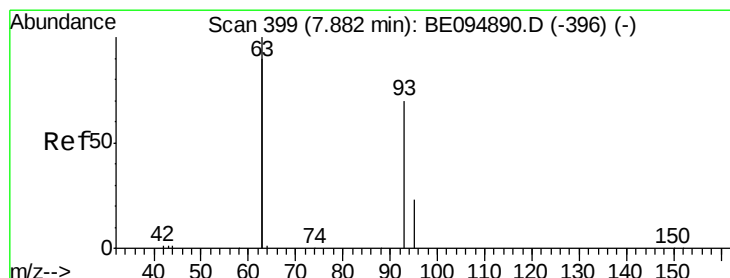
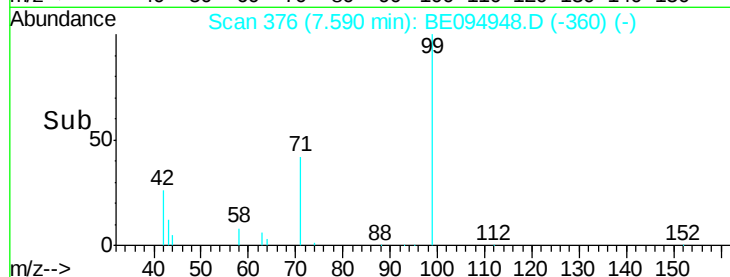
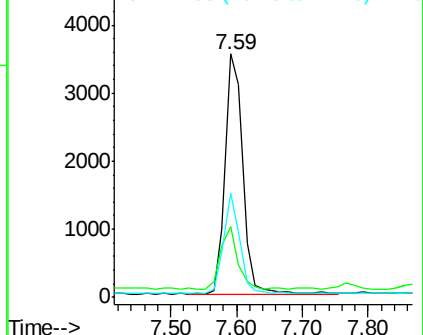
99 100

42 26.0 20.2 30.2

71 38.4 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: 0.368 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

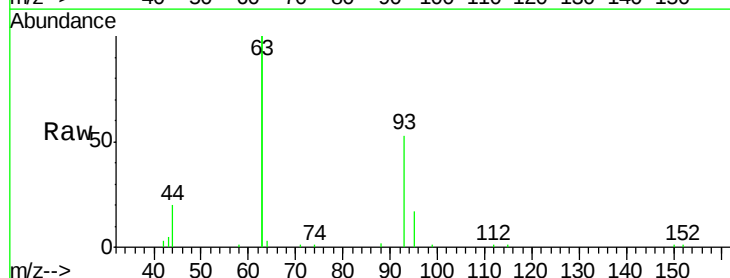
Tgt Ion: 93 Resp: 5939

Ion Ratio Lower Upper

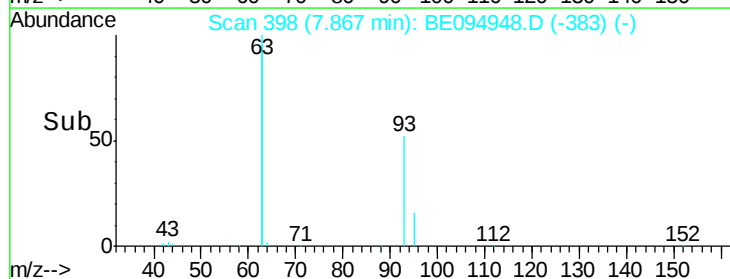
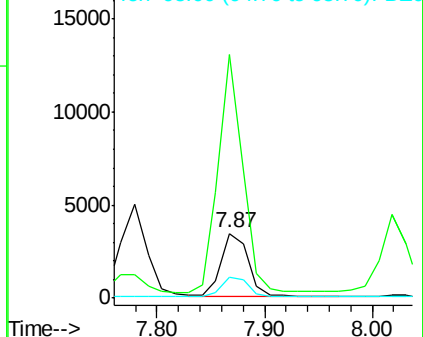
93 100

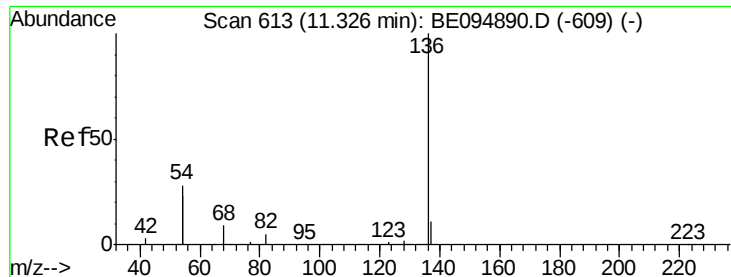
63 336.3 275.3 412.9

95 31.4 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: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094948.D

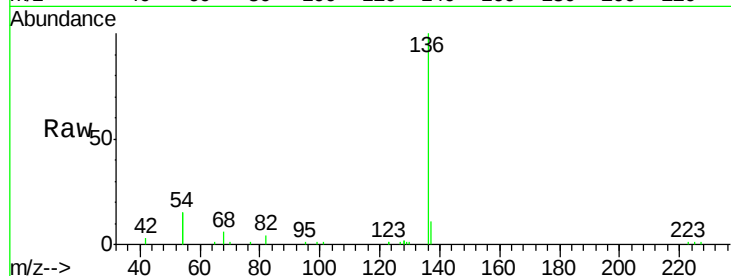
Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	14751
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.5 14.3
54	30.3	29.1 43.7
68	6.0	6.2 9.2#

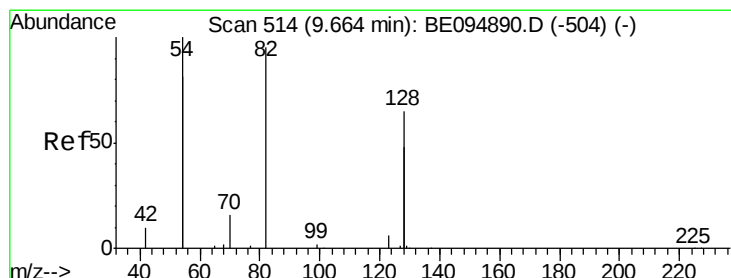
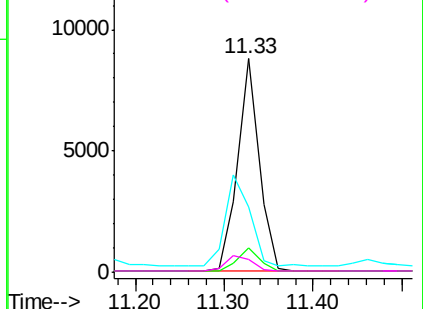
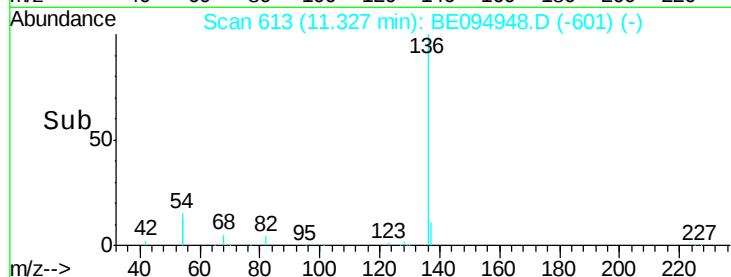


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.524 ng

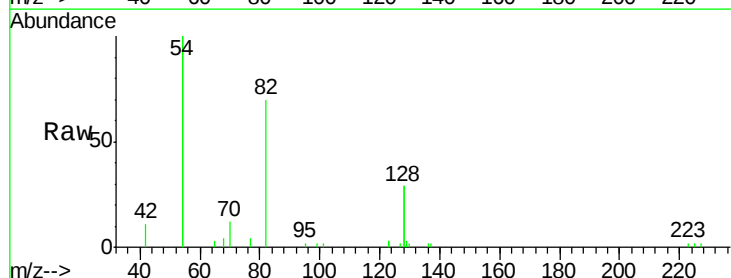
RT: 9.65 min Scan# 513

Delta R.T. -0.02 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

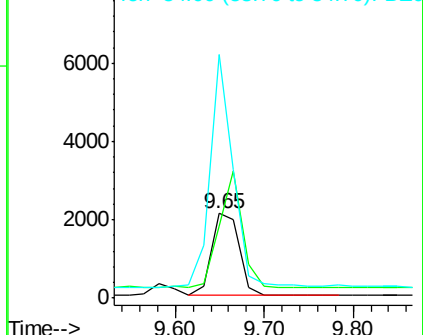
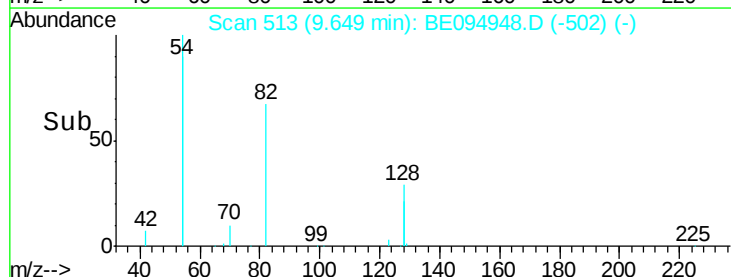
Tgt Ion: 82	Resp:	4577
Ion Ratio	Lower	Upper
82	100	
128	84.5	150.0 225.0#
54	287.5	154.2 231.4#

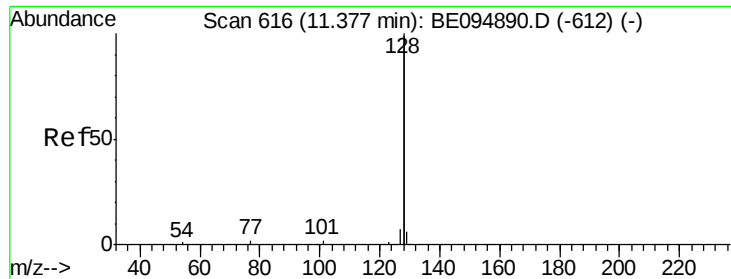


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.393 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampled :

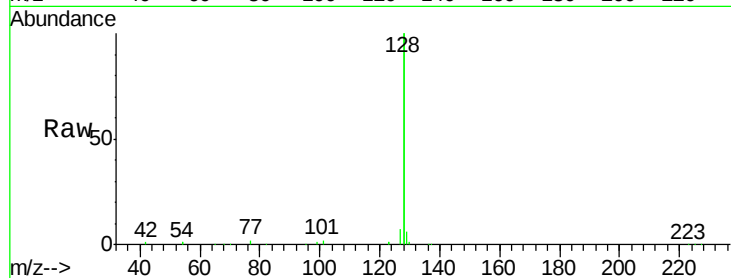
Tot Ion:128 Resp: 68041

Ion Ratio Lower Upper

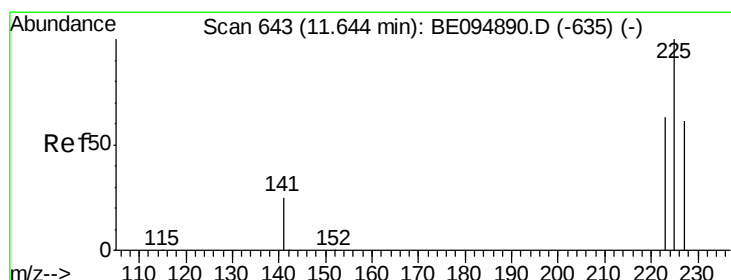
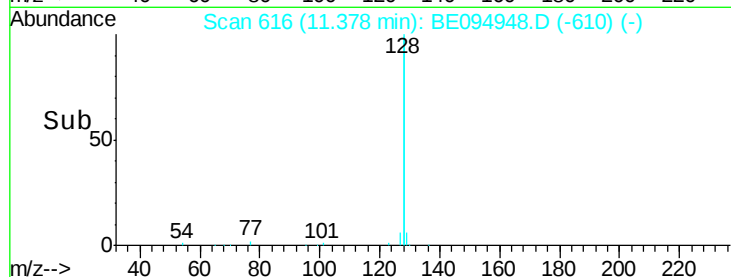
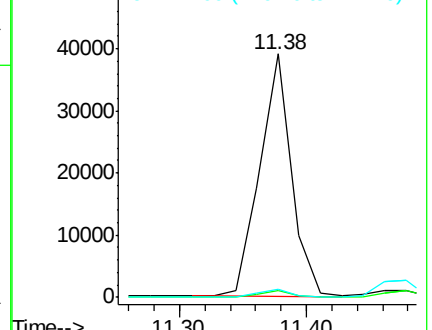
128 100

129 2.9 2.6 3.8

127 3.3 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.405 ng

RT: 11.64 min Scan# 642

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

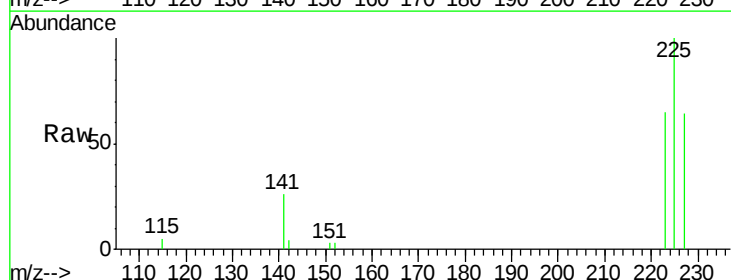
Tgt Ion:225 Resp: 2957

Ion Ratio Lower Upper

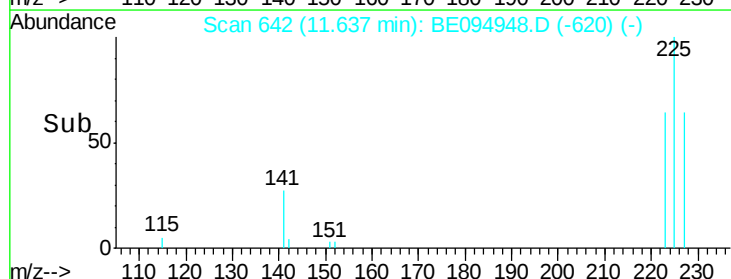
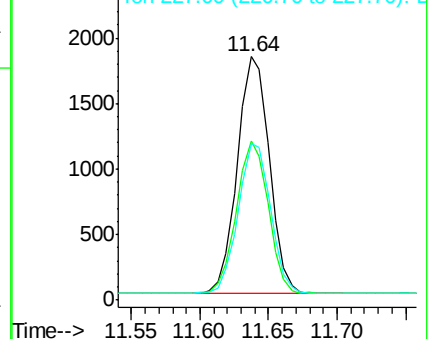
225 100

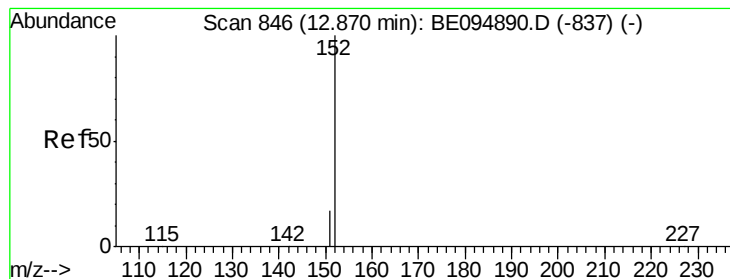
223 63.8 53.0 79.6

227 63.9 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: 0.406 ng

RT: 12.86 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

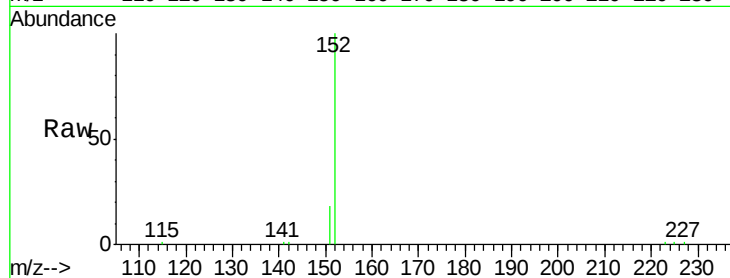
ClientSampleId :

Tot Ion:152 Resp: 9553

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.86

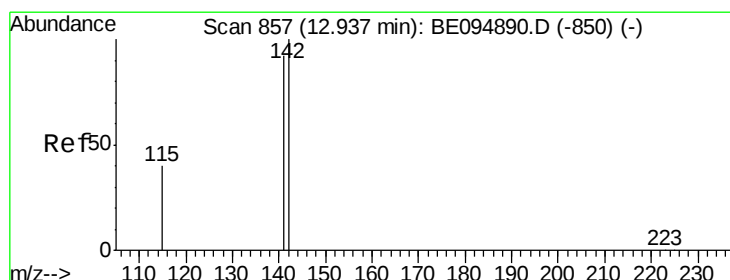
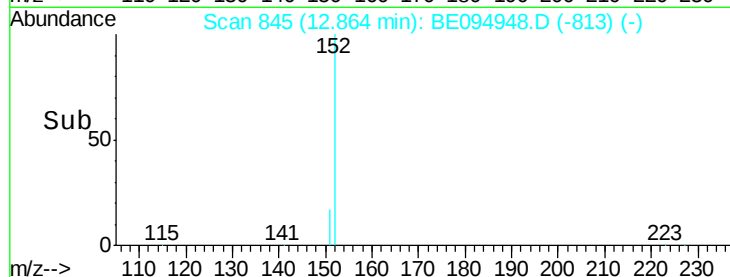
6000

4000

2000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.392 ng

RT: 12.94 min Scan# 857

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

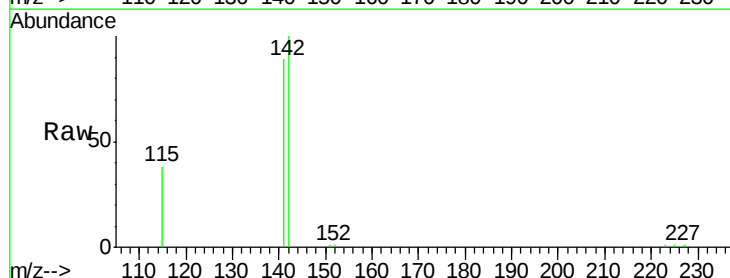
Tgt Ion:142 Resp: 16845

Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

115 37.5 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

10000

8000

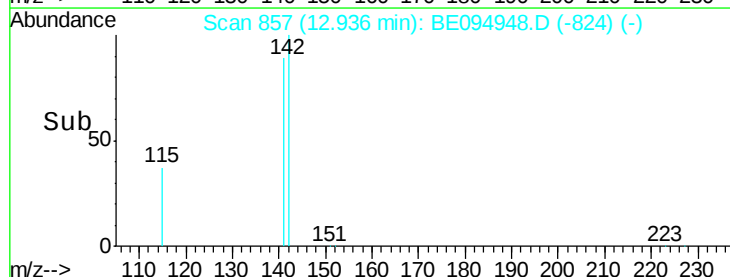
6000

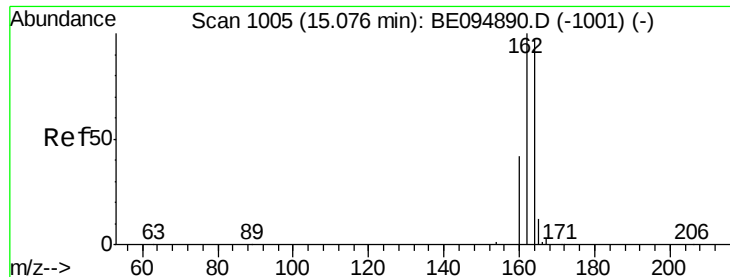
4000

2000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

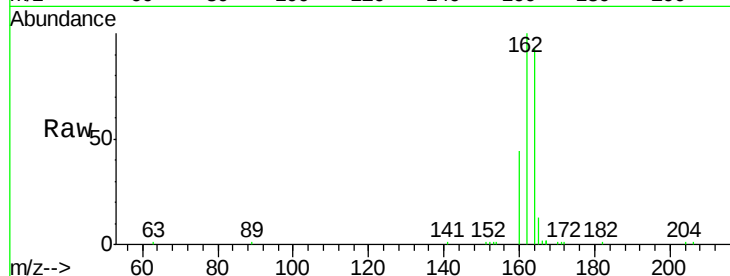
Tot Ion:164 Resp: 8554

Ion Ratio Lower Upper

164 100

162 107.8 83.1 124.7

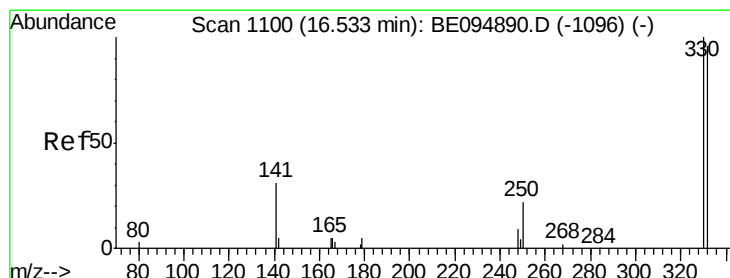
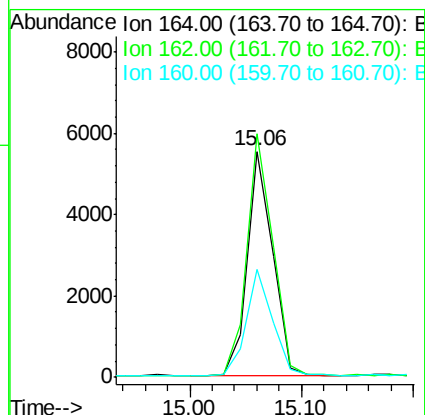
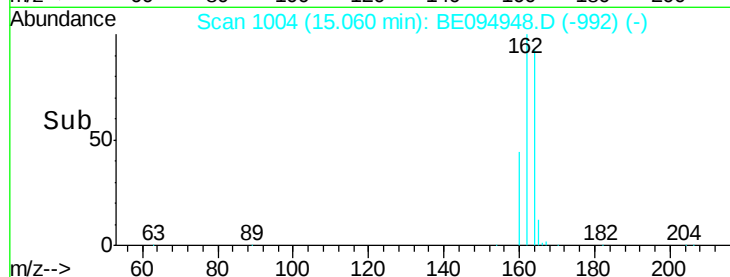
160 47.9 37.1 55.7



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: 0.515 ng

RT: 16.53 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

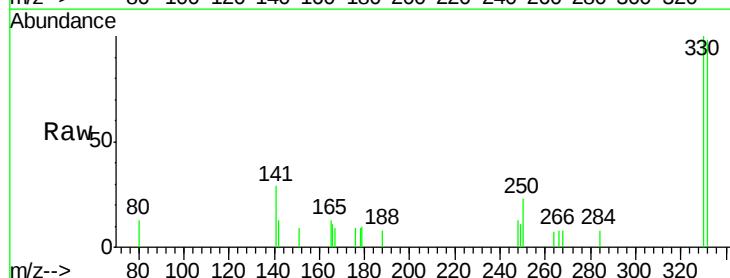
Tgt Ion:330 Resp: 955

Ion Ratio Lower Upper

330 100

332 99.0 152.7 229.1#

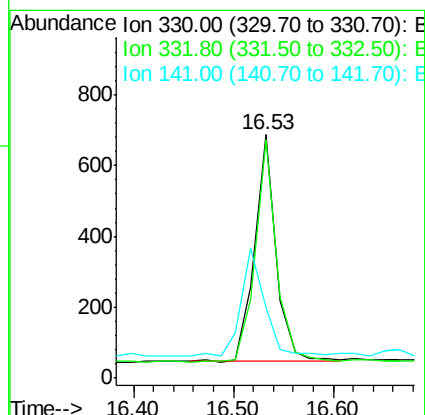
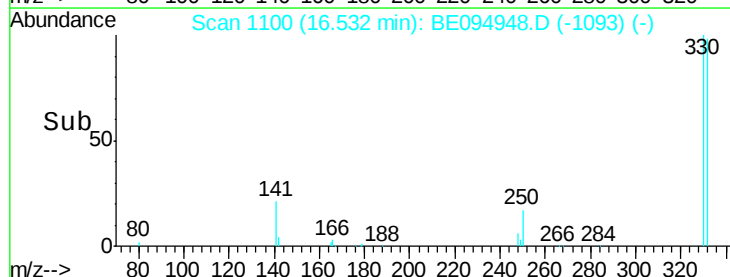
141 53.0 33.7 50.5#

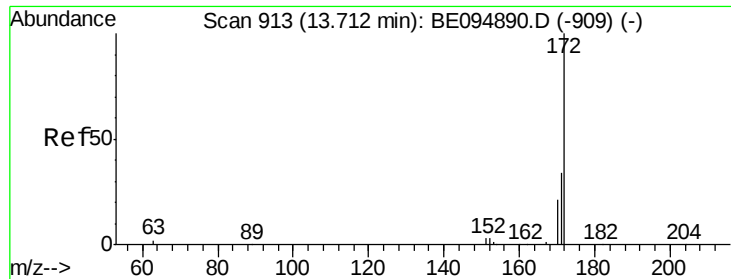


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

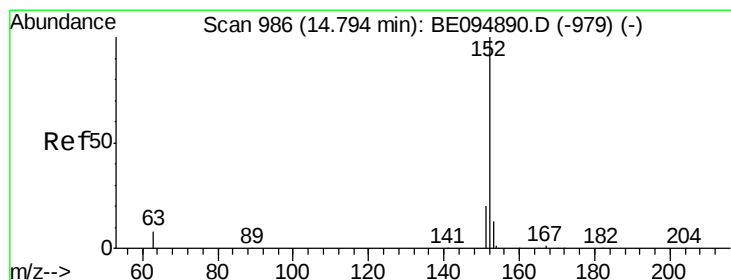
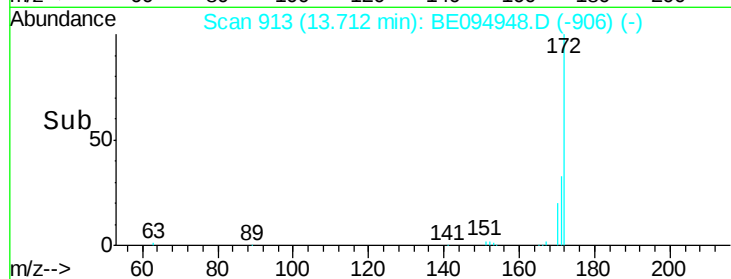
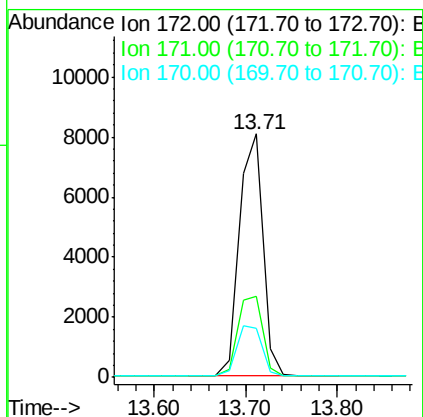
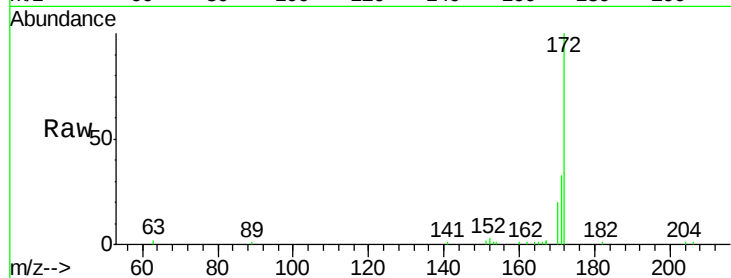




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 13.71 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE094948.D
Acq: 6 Dec 2017 12:43

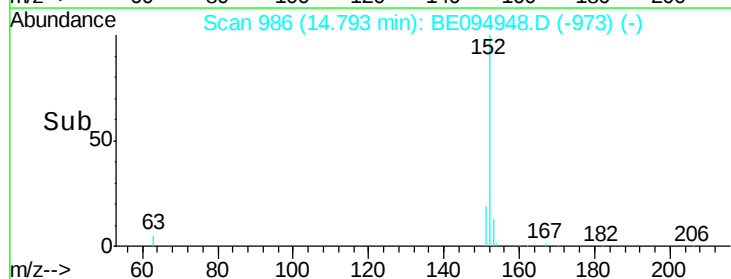
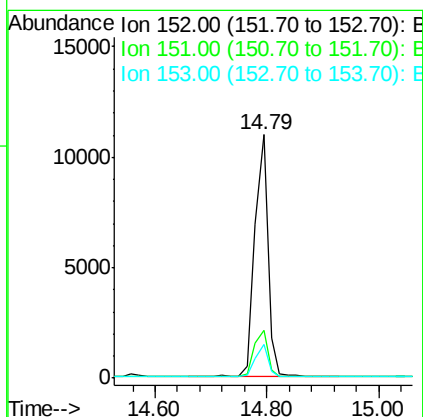
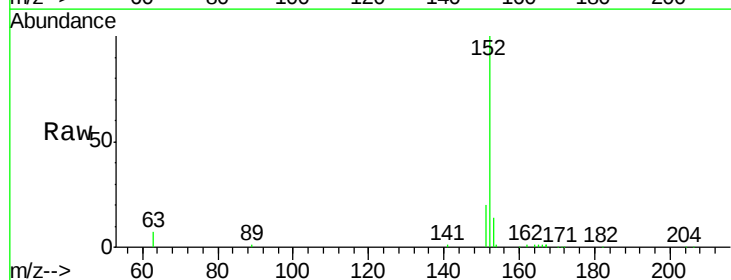
Instrument :
BNA_E
ClientSampleId :

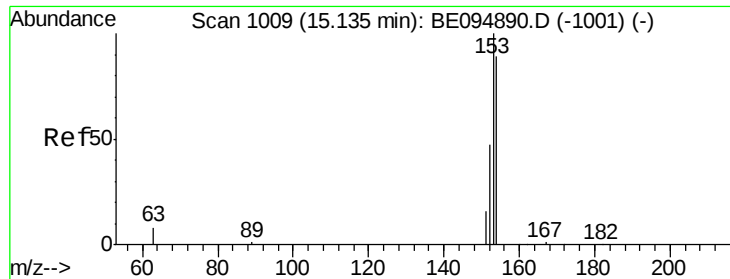
Tot Ion:172 Resp: 14542
Ion Ratio Lower Upper
172 100
171 33.3 29.9 44.9
170 20.4 21.8 32.8#



#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.79 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE094948.D
Acq: 6 Dec 2017 12:43

Tgt Ion:152 Resp: 18297
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.388 ng

RT: 15.12 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

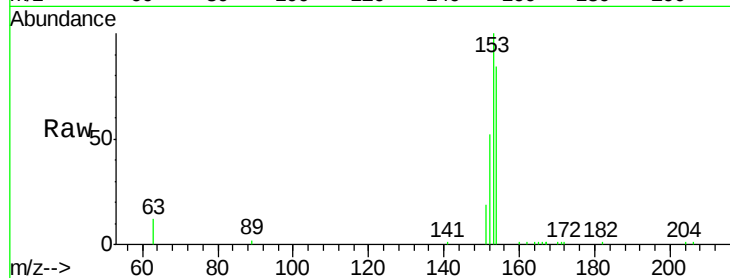
Tot Ion:154 Resp: 12116

Ion Ratio Lower Upper

154 100

153 115.7 89.2 133.8

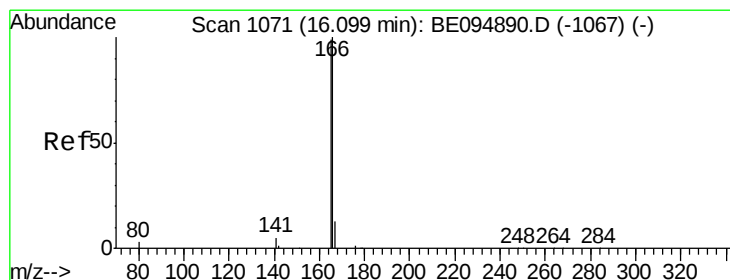
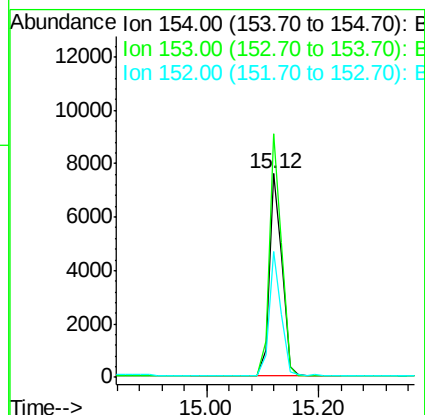
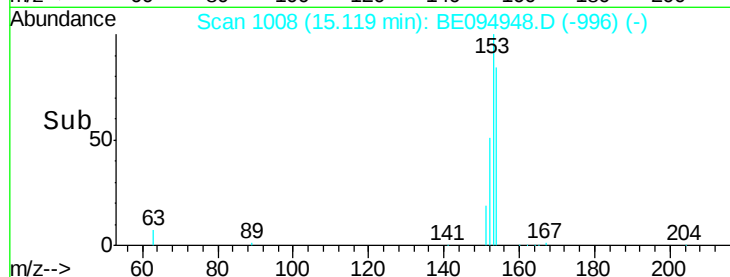
152 58.3 42.0 63.0



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: 0.389 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

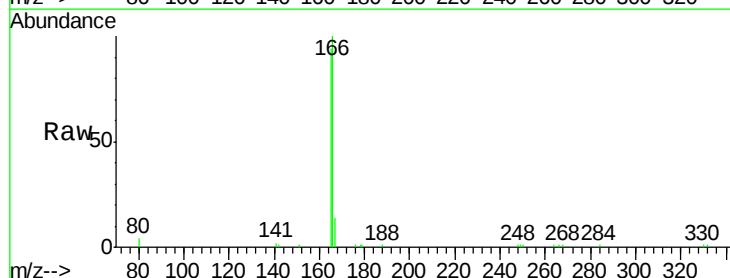
Tgt Ion:166 Resp: 15453

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.6

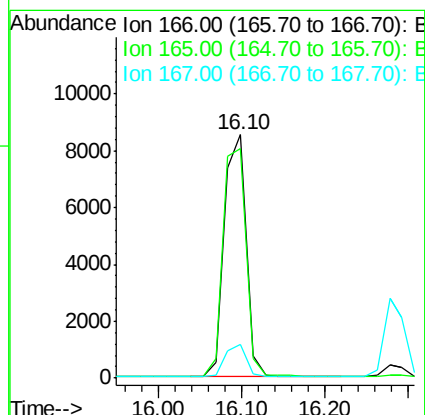
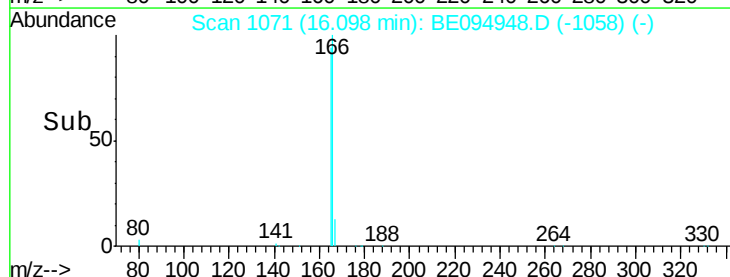
167 13.4 42.4 63.6#

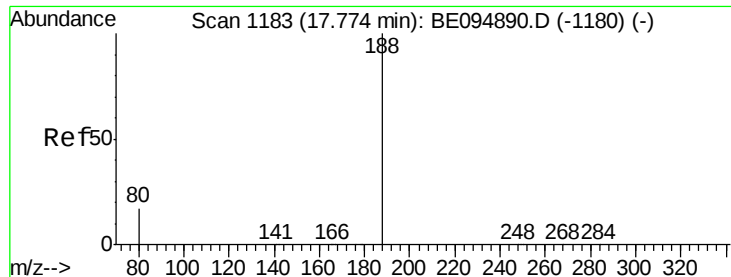


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

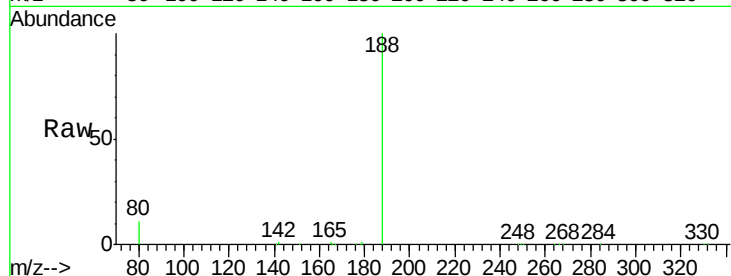
Tot Ion:188 Resp: 21616

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

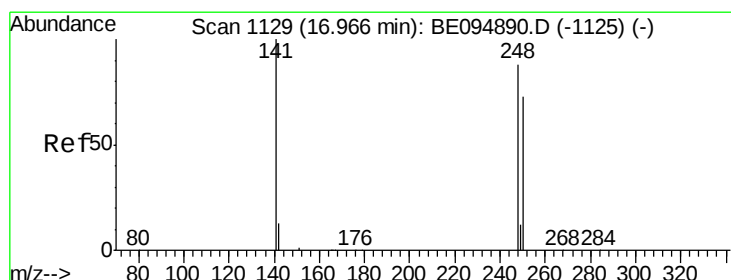
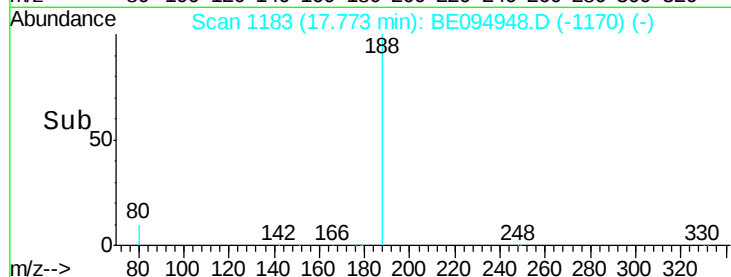
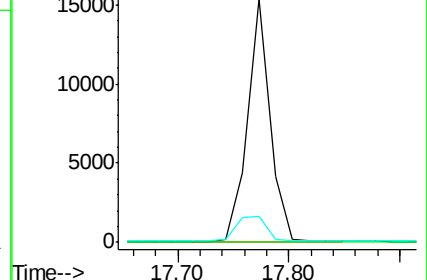
80 10.5 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.396 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

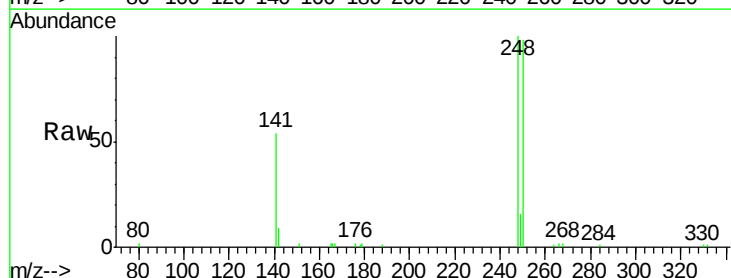
Tgt Ion:248 Resp: 4779

Ion Ratio Lower Upper

248 100

250 97.7 62.7 94.1#

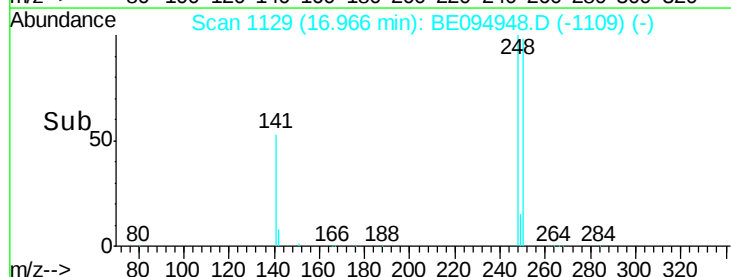
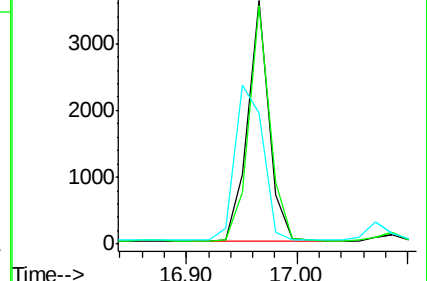
141 54.0 48.2 72.2

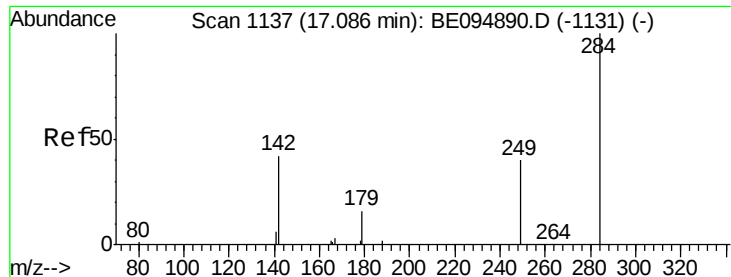


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.407 ng

RT: 17.09 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

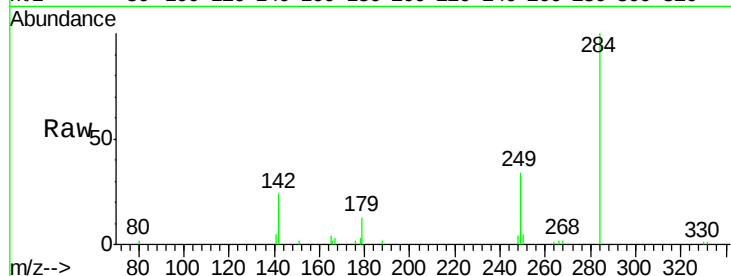
Tot Ion:284 Resp: 4785

Ion Ratio Lower Upper

284 100

142 46.0 22.1 33.1#

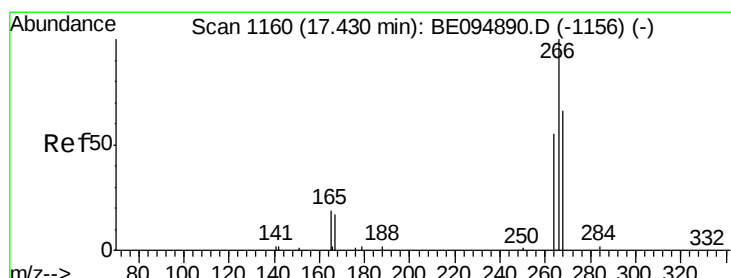
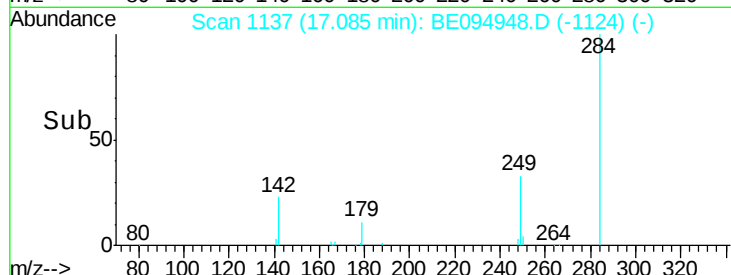
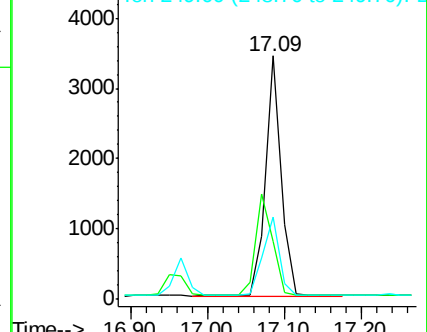
249 34.2 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.427 ng

RT: 17.41 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

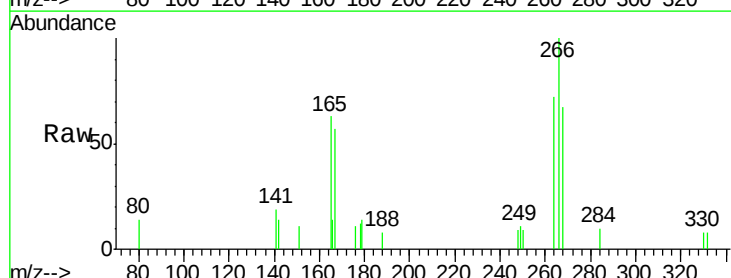
Tgt Ion:266 Resp: 1143

Ion Ratio Lower Upper

266 100

264 72.4 72.5 108.7#

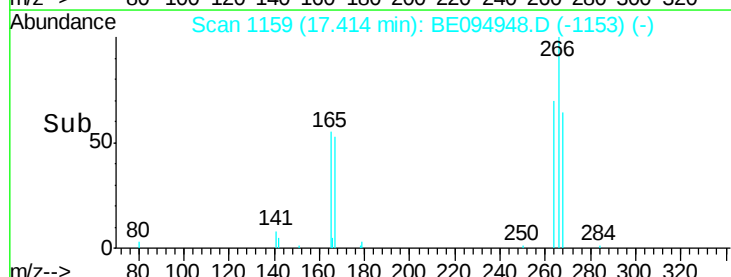
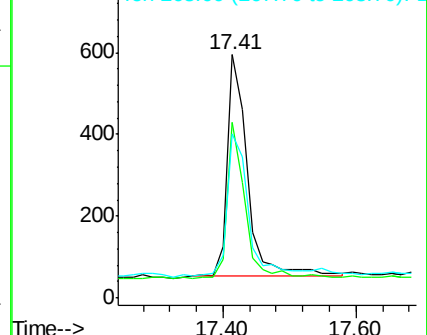
268 67.4 73.8 110.6#

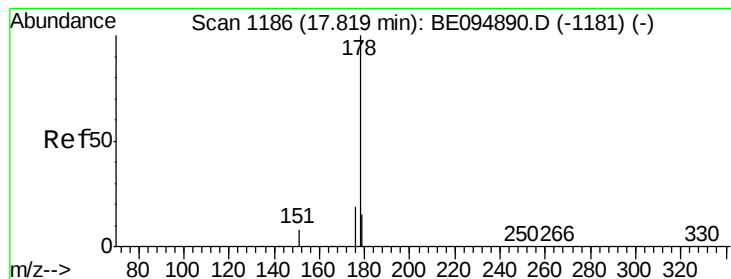


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.383 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

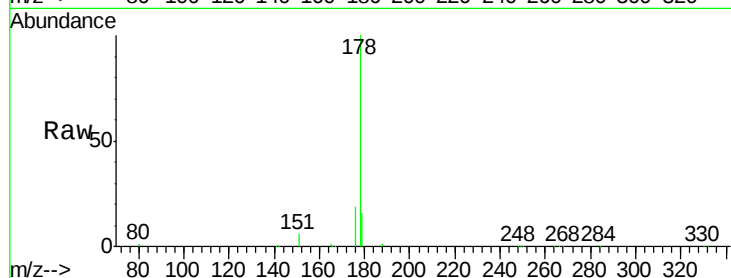
Tot Ion:178 Resp: 26359

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

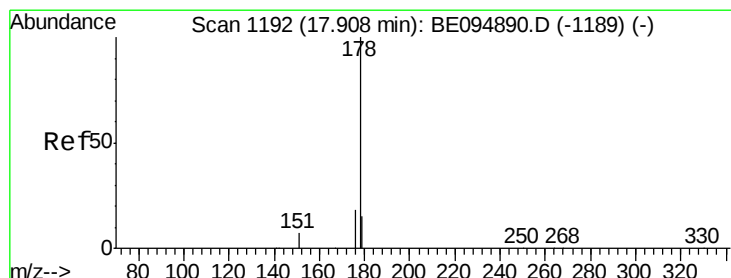
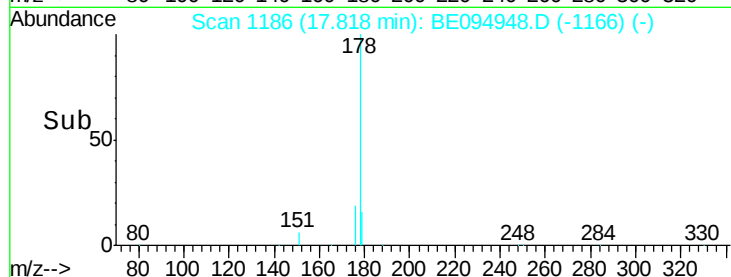
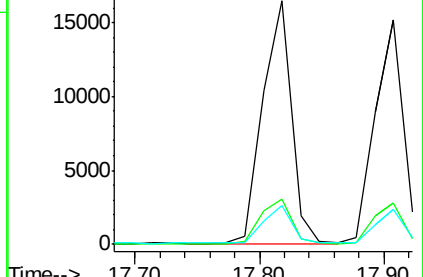
179 15.7 11.8 17.6



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: 0.375 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

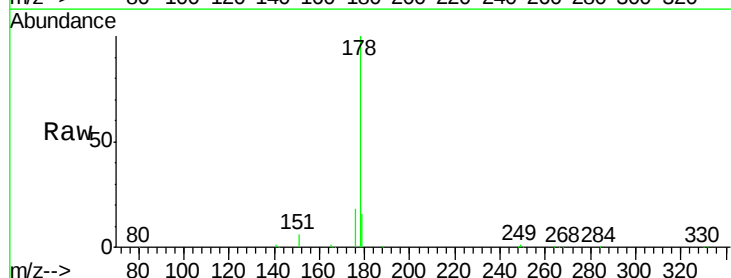
Tgt Ion:178 Resp: 27416

Ion Ratio Lower Upper

178 100

176 20.8 12.8 19.2#

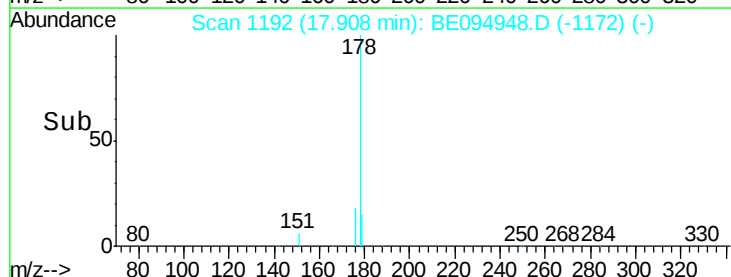
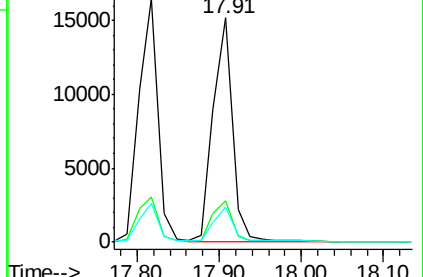
179 17.3 13.0 19.6

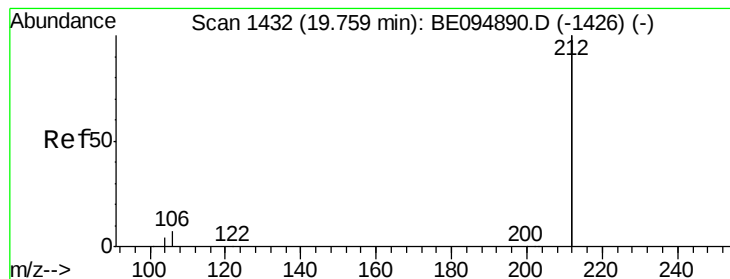


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

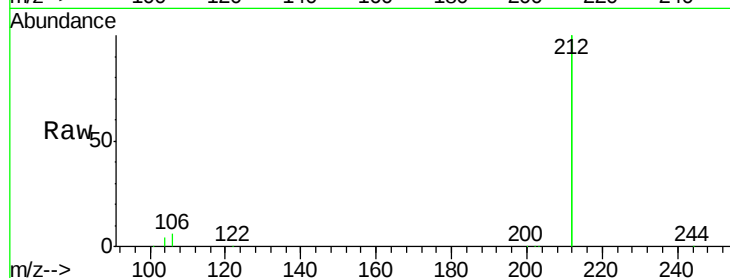
Tot Ion:212 Resp: 107475

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

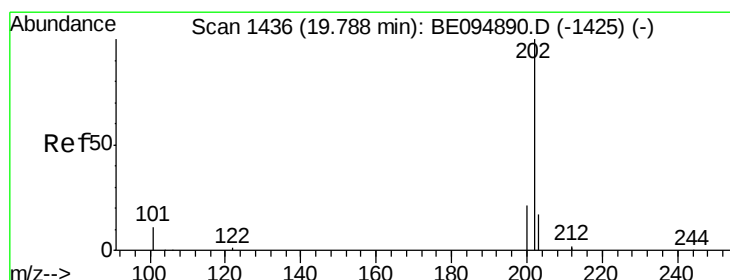
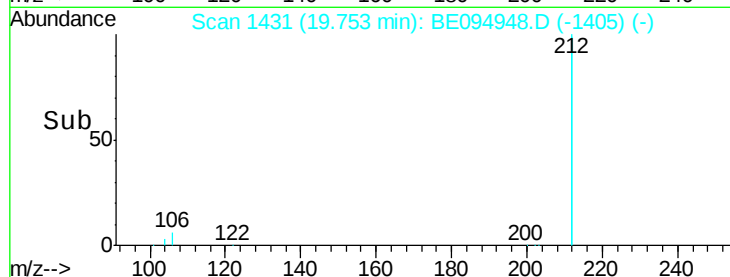
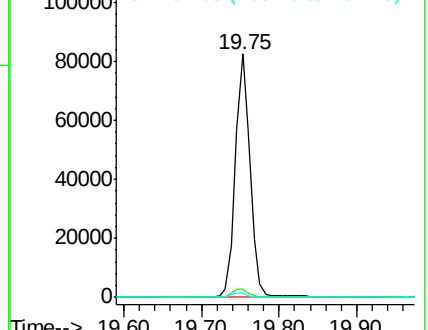
104 2.0 1.6 2.4



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: 0.364 ng

RT: 19.78 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

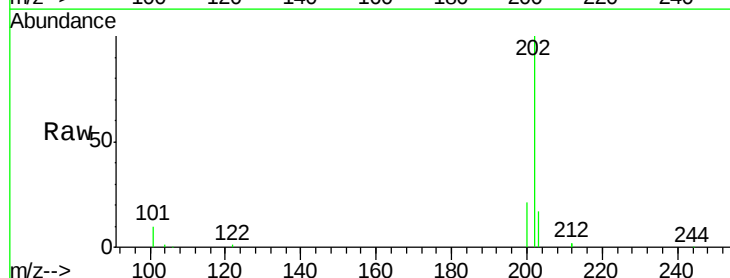
Tgt Ion:202 Resp: 32251

Ion Ratio Lower Upper

202 100

101 11.7 9.8 14.8

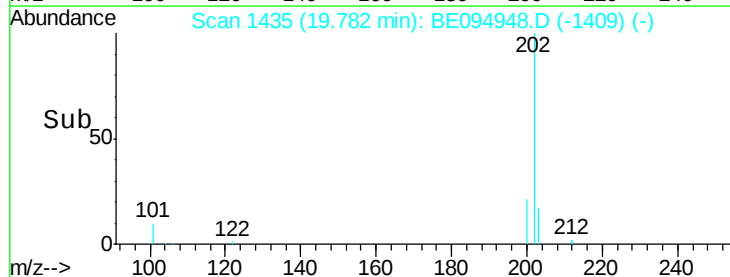
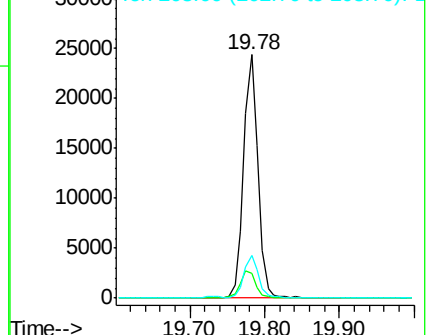
203 17.1 13.7 20.5

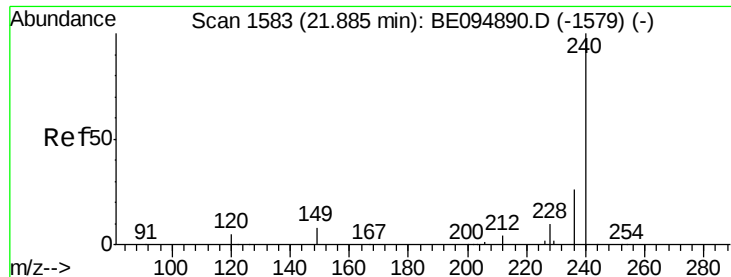


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

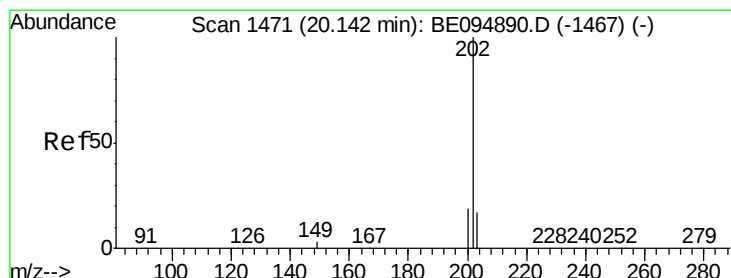
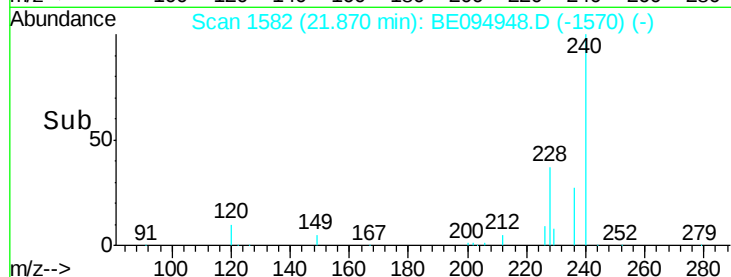
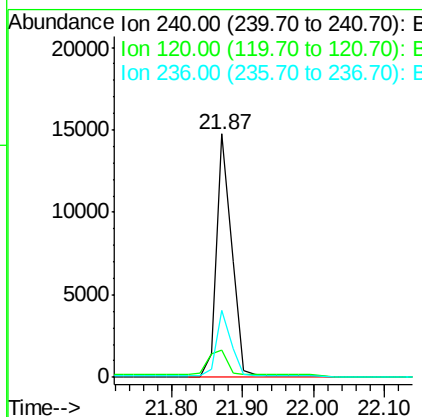
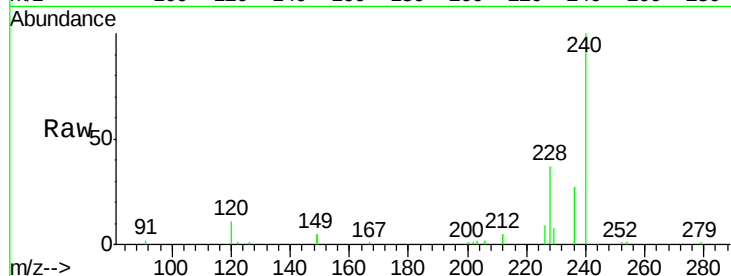




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.87 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BE094948.D
 Acq: 6 Dec 2017 12:43

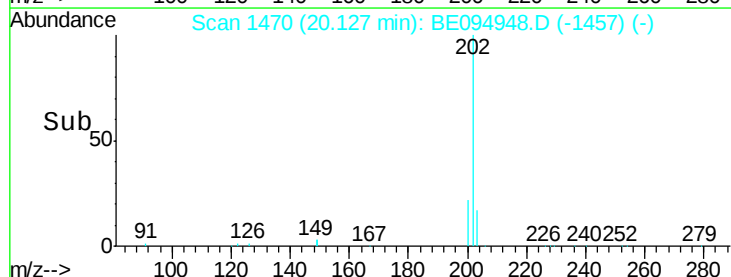
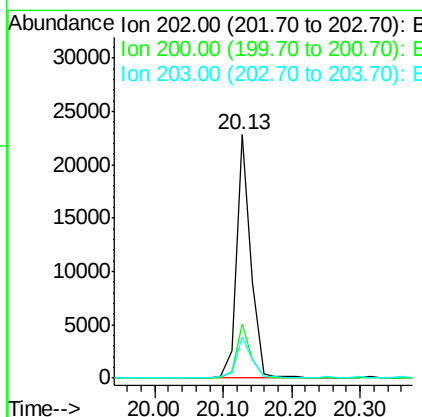
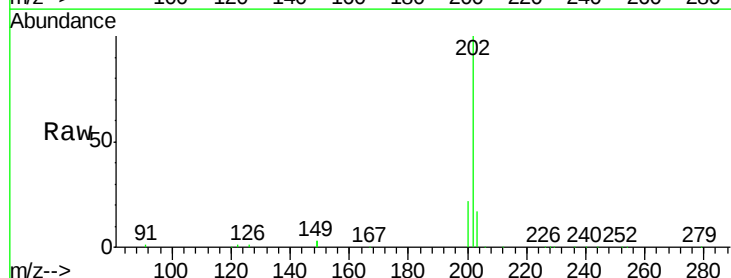
Instrument :
 BNA_E
 ClientSampleId :

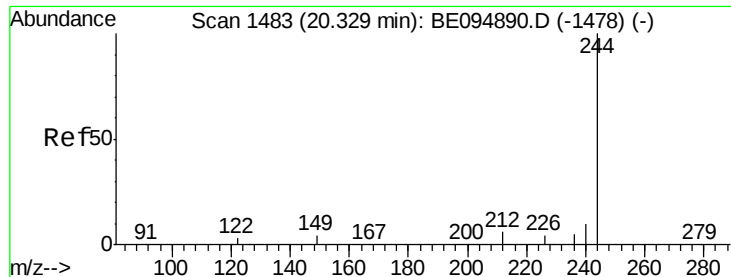
Tot Ion:240 Resp: 23737
 Ion Ratio Lower Upper
 240 100
 120 11.4 5.5 8.3#
 236 27.4 20.7 31.1



#28
 Pyrene
 Concen: 0.396 ng
 RT: 20.13 min Scan# 1470
 Delta R.T. -0.01 min
 Lab File: BE094948.D
 Acq: 6 Dec 2017 12:43

Tgt Ion:202 Resp: 32453
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.6 25.0
 203 17.2 13.8 20.8





#29

Terphenyl-d14

Concen: 0.402 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

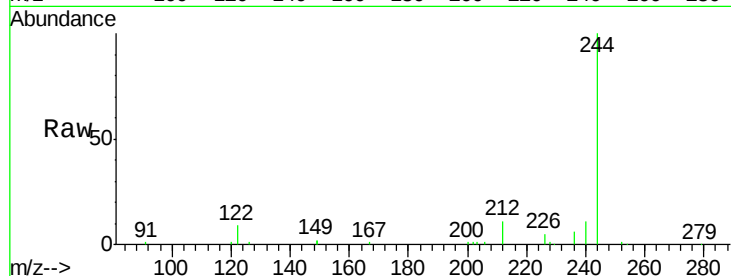
Tot Ion:244 Resp: 17603

Ion Ratio Lower Upper

244 100

212 10.5 25.4 38.0#

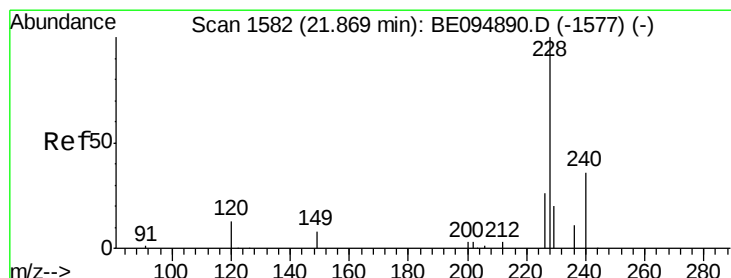
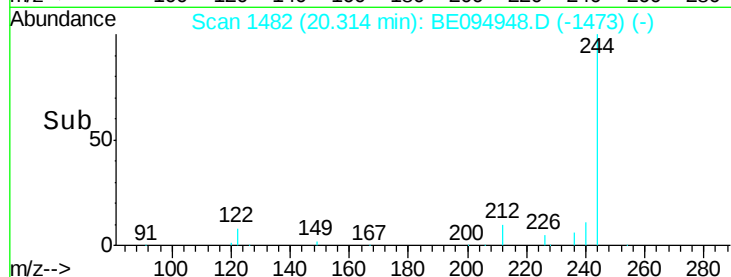
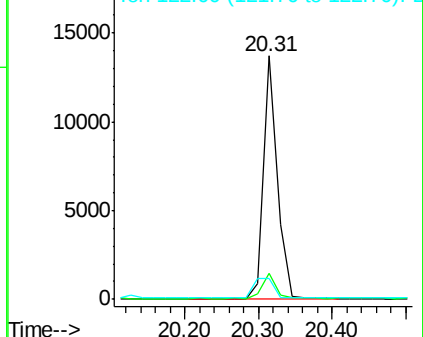
122 8.6 8.1 12.1



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: 0.386 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

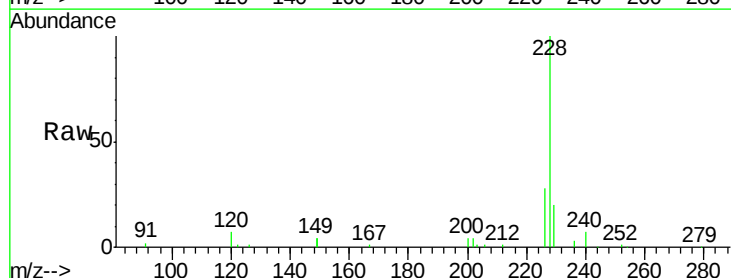
Tgt Ion:228 Resp: 28062

Ion Ratio Lower Upper

228 100

226 27.5 40.0 60.0#

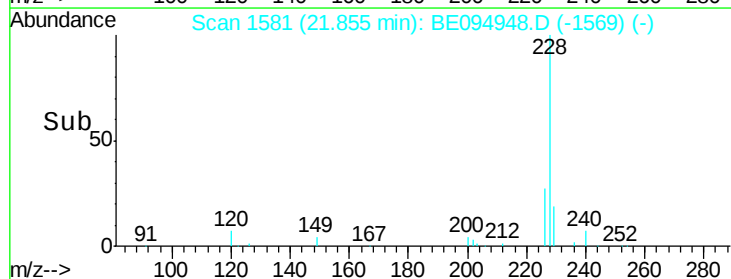
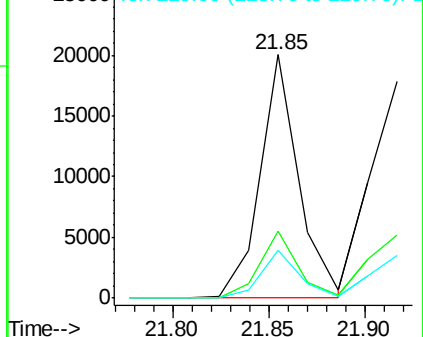
229 19.6 40.0 60.0#

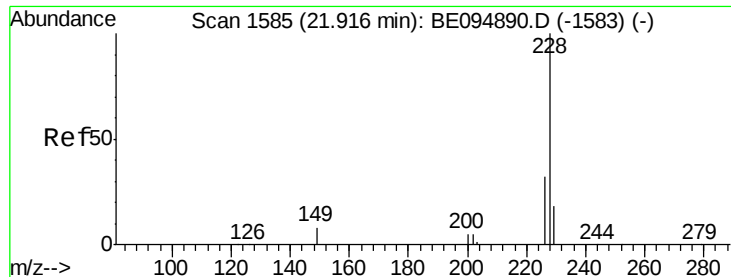


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.377 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

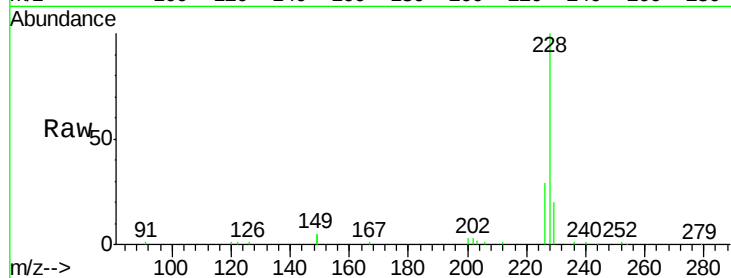
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 30294

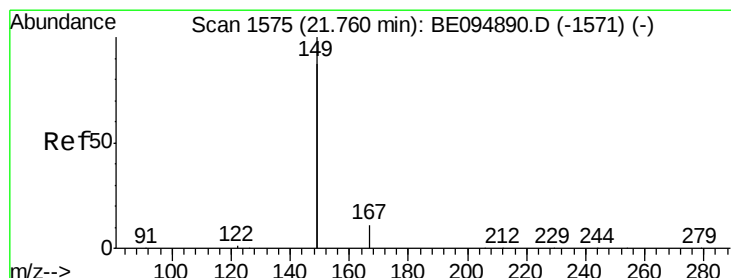
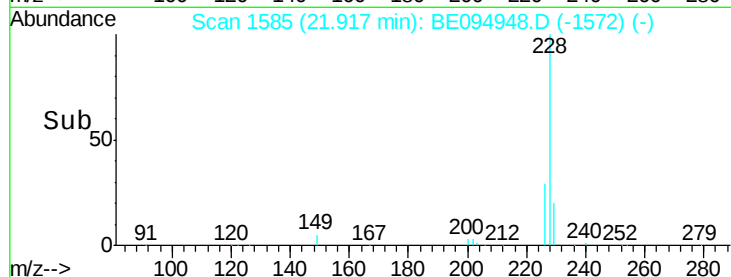
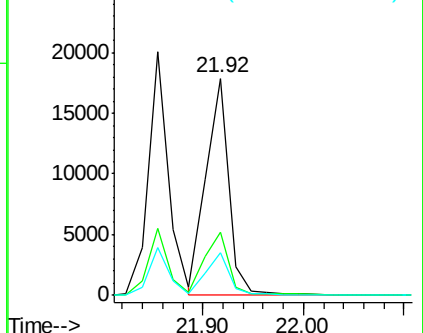
Ion	Ratio	Lower	Upper
228	100		
226	28.9	40.0	60.0#
229	19.9	40.0	60.0#



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: 0.371 ng

RT: 21.75 min Scan# 1574

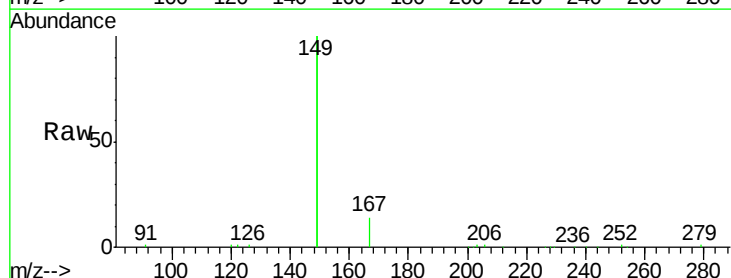
Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Tgt Ion:149 Resp: 44773

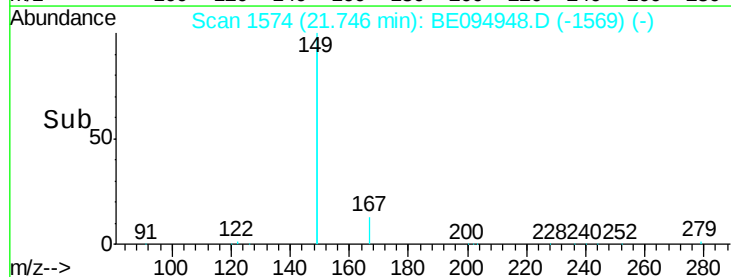
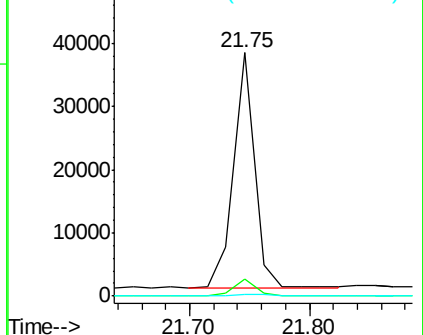
Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.8	0.7	1.1

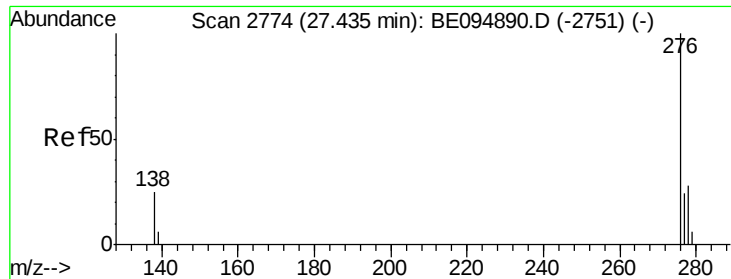


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

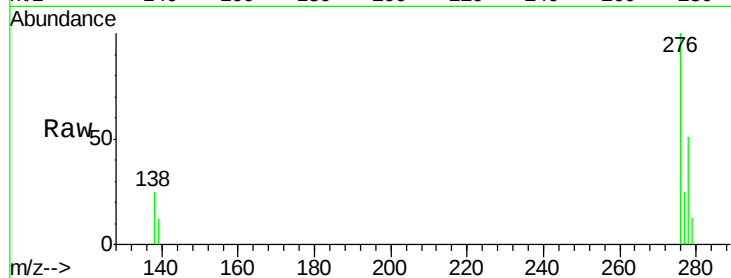




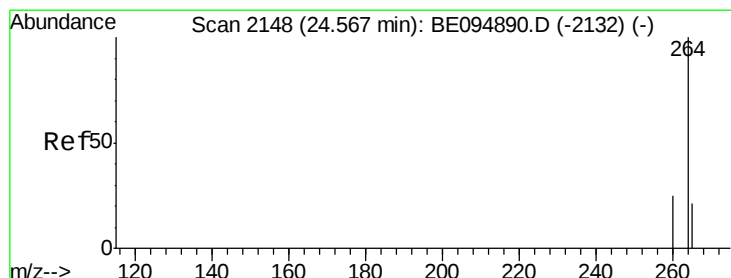
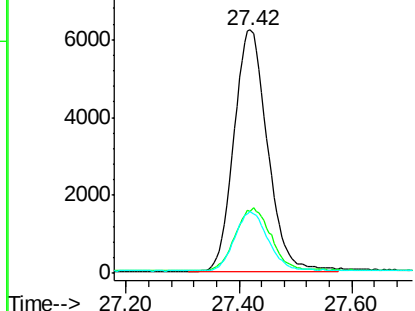
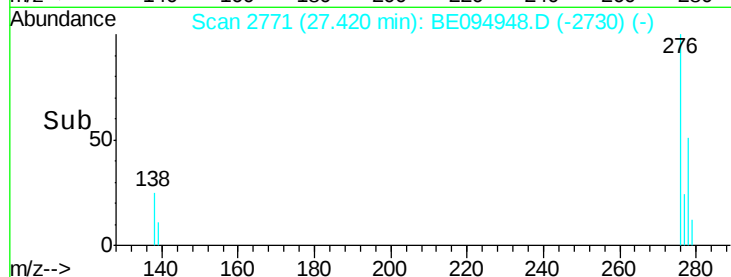
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.378 ng
 RT: 27.42 min Scan# 2771
 Delta R.T. -0.01 min
 Lab File: BE094948.D
 Acq: 6 Dec 2017 12:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 24879
 Ion Ratio Lower Upper
 276 100
 138 27.4 22.5 33.7
 277 24.5 19.9 29.9

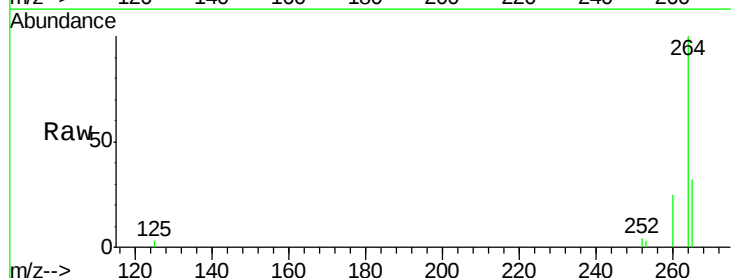


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

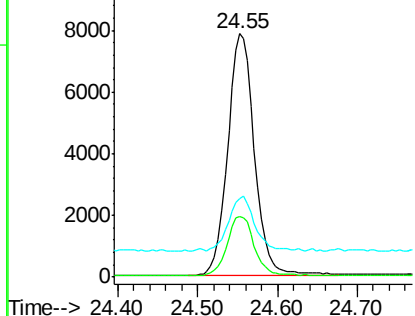
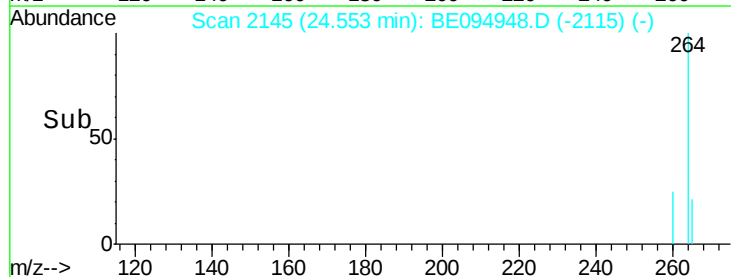


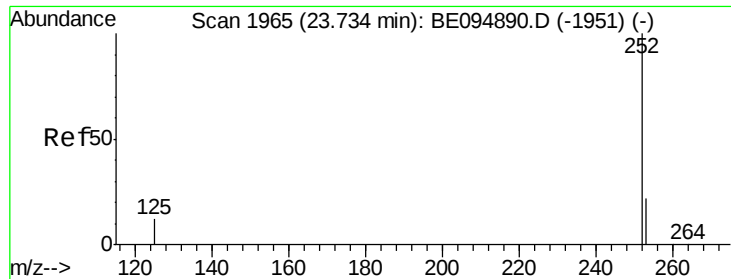
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.55 min Scan# 2145
 Delta R.T. -0.01 min
 Lab File: BE094948.D
 Acq: 6 Dec 2017 12:43

Tgt Ion:264 Resp: 18178
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.5 30.7
 265 32.3 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: 0.391 ng

RT: 23.72 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

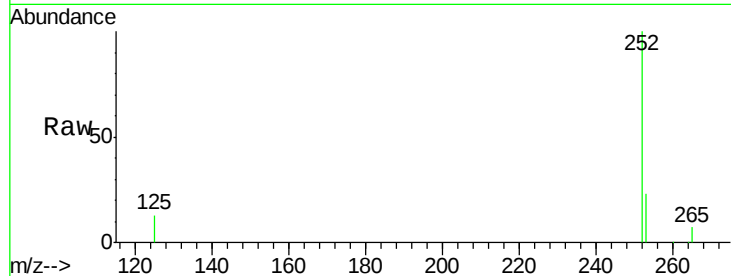
Tot Ion:252 Resp: 25974

Ion Ratio Lower Upper

252 100

253 23.4 48.0 72.0#

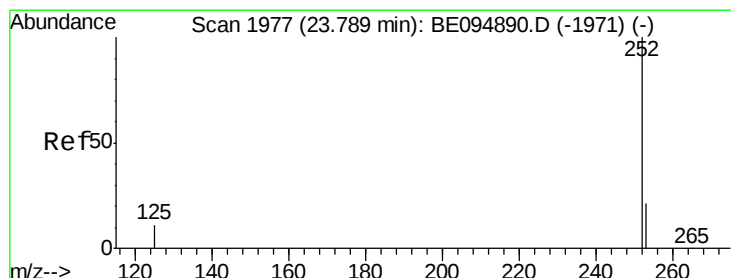
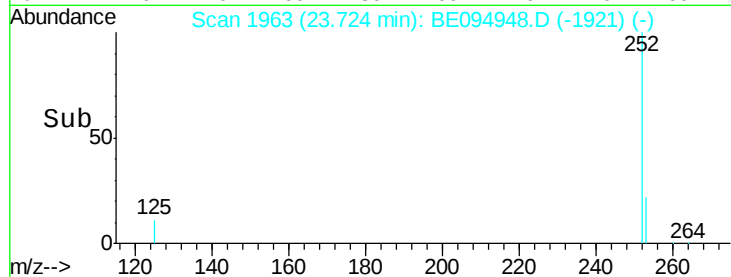
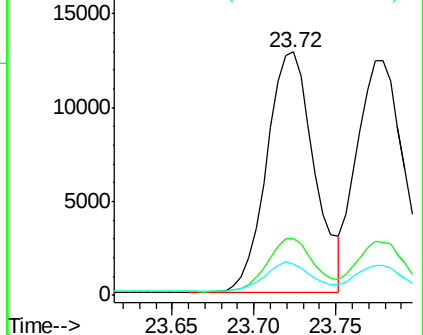
125 12.8 56.0 84.0#



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: 0.367 ng

RT: 23.78 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

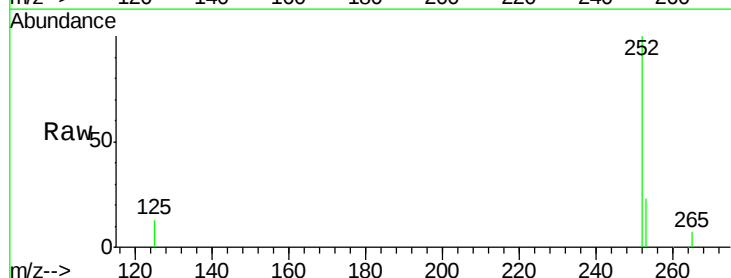
Tgt Ion:252 Resp: 24825

Ion Ratio Lower Upper

252 100

253 22.6 48.0 72.0#

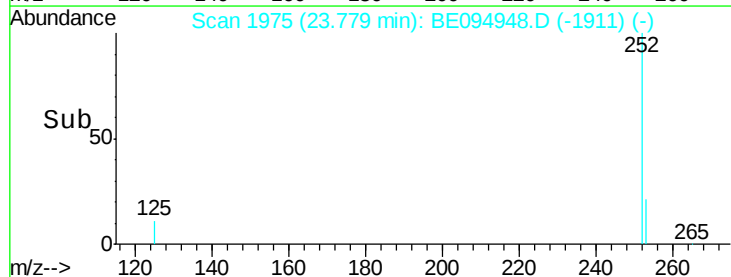
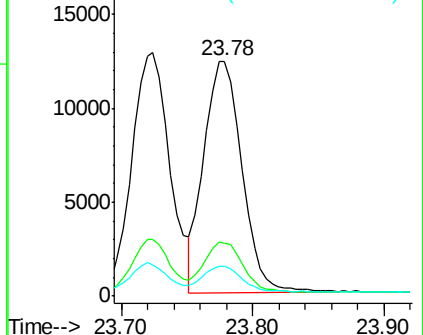
125 13.0 56.0 84.0#

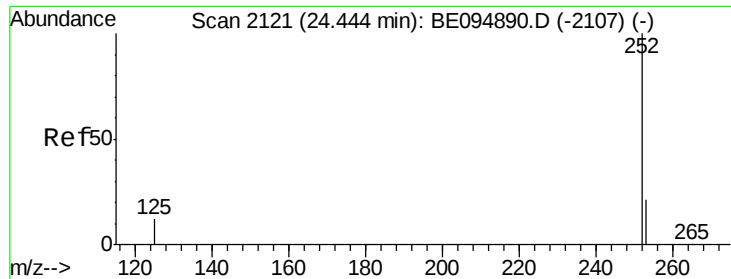


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.386 ng

RT: 24.43 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :

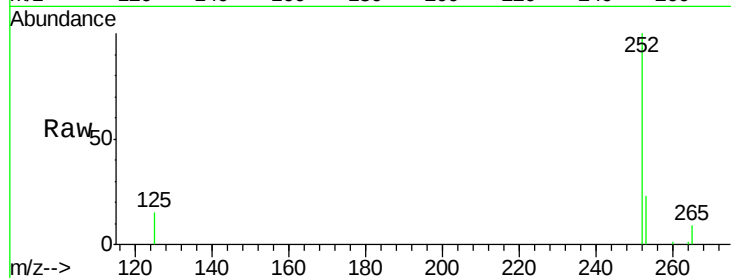
Tot Ion:252 Resp: 22466

Ion Ratio Lower Upper

252 100

253 22.6 52.0 78.0#

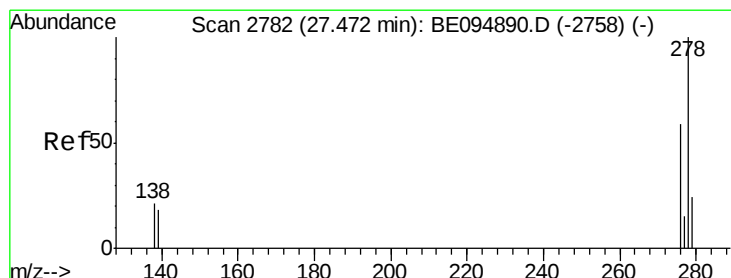
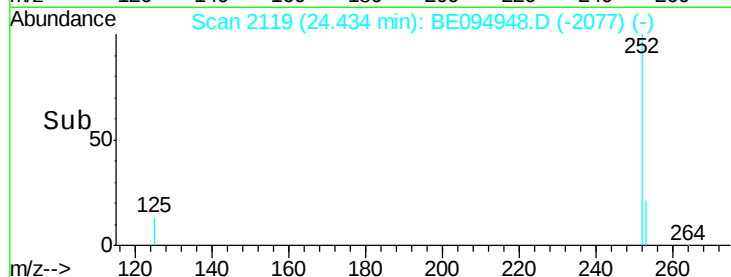
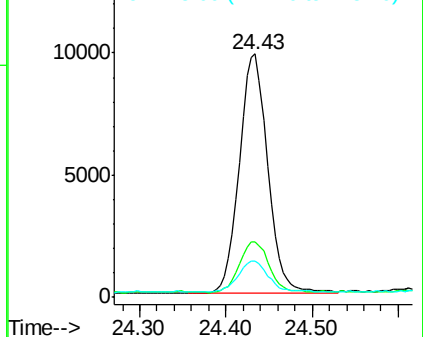
125 15.1 68.0 102.0#



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: 0.390 ng

RT: 27.44 min Scan# 2776

Delta R.T. -0.03 min

Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

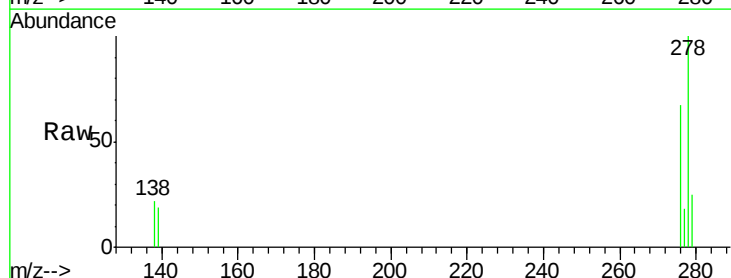
Tgt Ion:278 Resp: 20937

Ion Ratio Lower Upper

278 100

139 19.3 56.0 84.0#

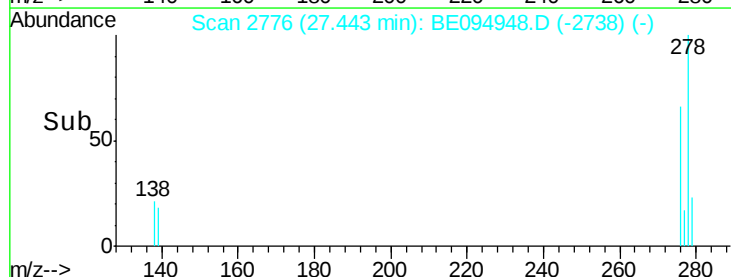
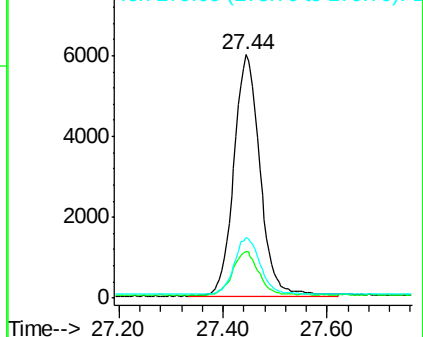
279 24.7 52.0 78.0#

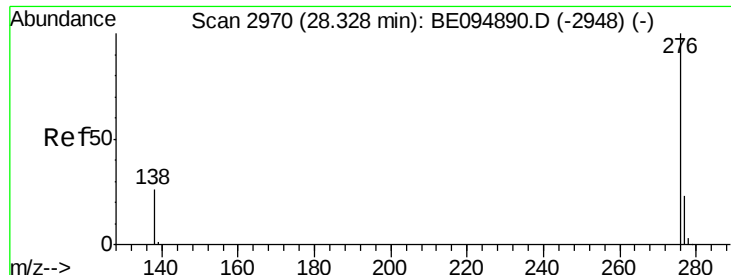


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.387 ng

RT: 28.30 min Scan# 2965

Delta R.T. -0.02 min

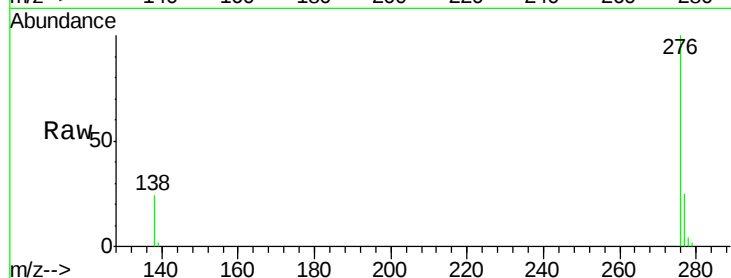
Lab File: BE094948.D

Acq: 6 Dec 2017 12:43

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 20775

Ion Ratio Lower Upper

276 100

277 24.8 52.0 78.0#

138 24.3 44.0 66.0#

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

