

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093028.D
 Acq On : 15 May 2017 11:03
 Operator : SJ/MA
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 15 11:50:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 11:48:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	746	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	3251	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1623	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4277	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4501	0.40	ng	0.00
34) Perylene-d12	23.69	264	3721	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	1881	0.92	ng	0.00
5) Phenol-d6	6.92	99	2571	1.00	ng	0.00
8) Nitrobenzene-d5	8.88	82	2330	0.92	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	3971	0.86	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	413	0.93	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	5548	0.86	ng	0.00
25) Fluoranthene-d10	19.14	212	9038	0.80	ng	0.00
29) Terphenyl-d14	19.74	244	6857	0.86	ng	0.00

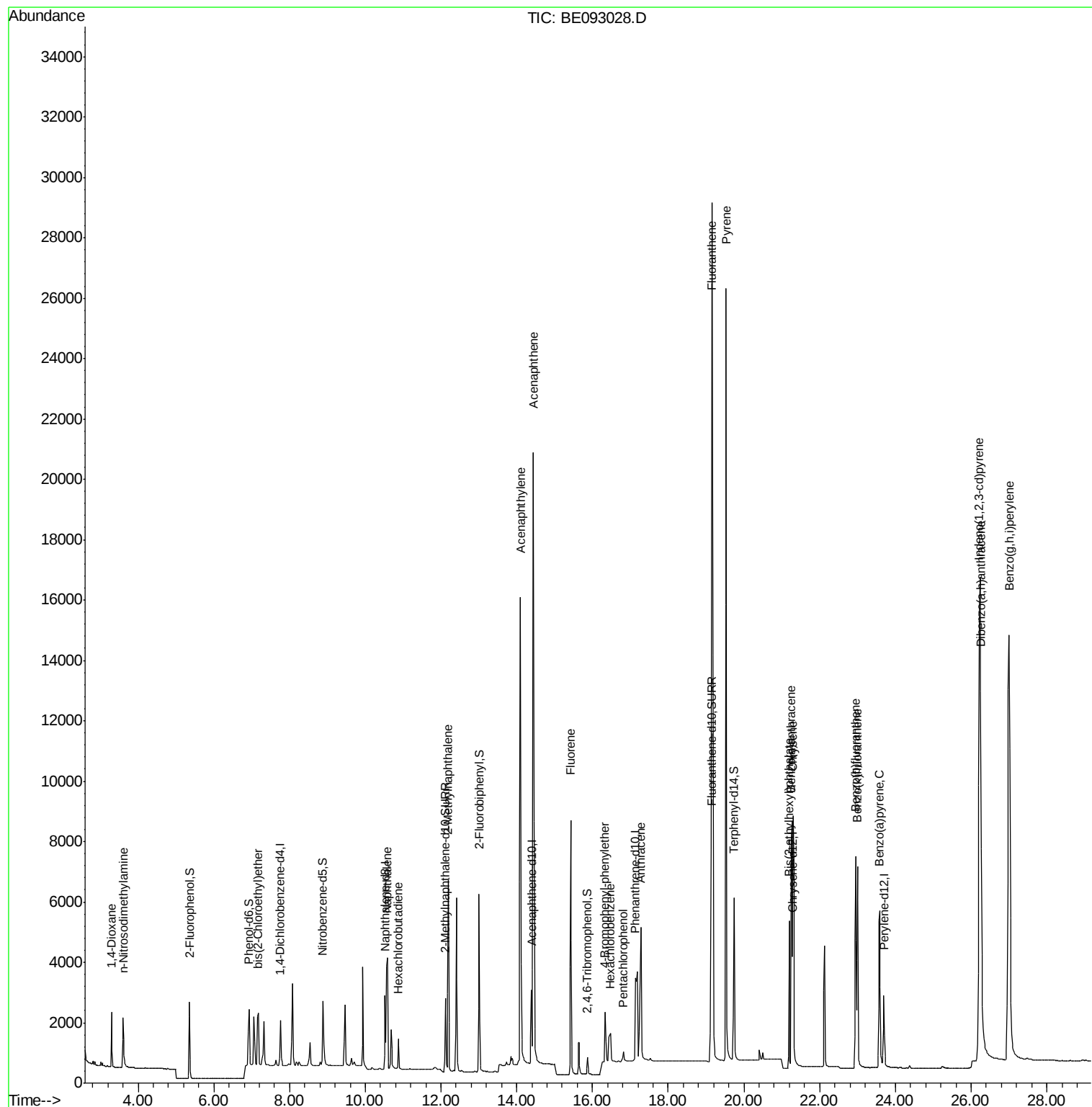
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	1166	0.78	ng	97
3) n-Nitrosodimethylamine	3.61	42	1150	0.90	ng	# 99
6) bis(2-Chloroethyl)ether	7.18	93	2109	0.84	ng	# 99
9) Naphthalene	10.58	128	6993	0.81	ng	97
10) Hexachlorobutadiene	10.87	225	924	0.78	ng	99
12) 2-Methylnaphthalene	12.19	142	4472	0.88	ng	95
16) Acenaphthylene	14.10	152	23375	0.85	ng	100
17) Acenaphthene	14.44	154	4076	0.81	ng	98
18) Fluorene	15.43	166	5205	0.83	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	1075	0.78	ng	# 1
21) Hexachlorobenzene	16.47	284	1450	0.71	ng	# 100
22) Pentachlorophenol	16.82	266	368	0.71	ng	90
24) Anthracene	17.28	178	7244	0.82	ng	98
26) Fluoranthene	19.16	202	43747	0.80	ng	# 59
28) Pyrene	19.53	202	43294	0.77	ng	# 98
30) Benzo(a)anthracene	21.25	228	9760	0.88	ng	# 84
31) Chrysene	21.30	228	10648	0.77	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.20	149	4574	0.94	ng	98
33) Indeno(1,2,3-cd)pyrene	26.22	276	38975	0.88	ng	99
35) Benzo(b)fluoranthene	22.95	252	9616	0.80	ng	97
36) Benzo(k)fluoranthene	23.00	252	9620	0.80	ng	95
37) Benzo(a)pyrene	23.59	252	8742	0.84	ng	96
38) Dibenzo(a,h)anthracene	26.25	278	8290	0.88	ng	94
39) Benzo(g,h,i)perylene	27.00	276	35582	0.83	ng	97

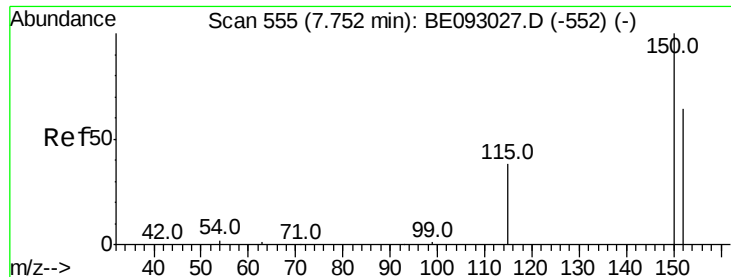
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 11:50:00 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 15 11:48:00 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

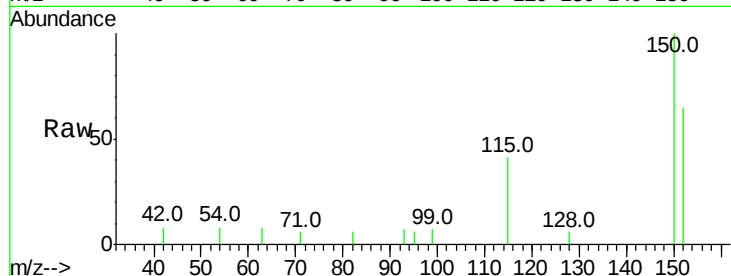
Tot Ion:152 Resp: 746

Ion Ratio Lower Upper

152 100

150 152.7 125.1 187.7

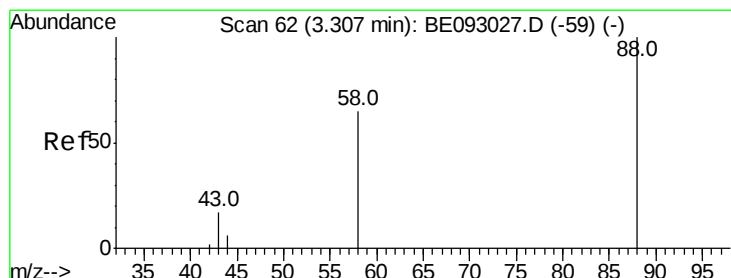
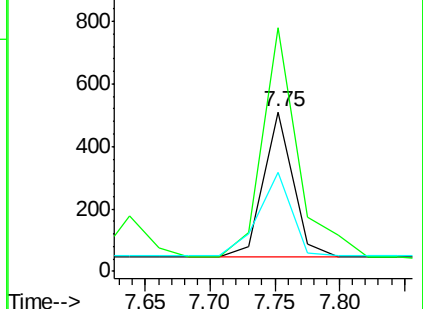
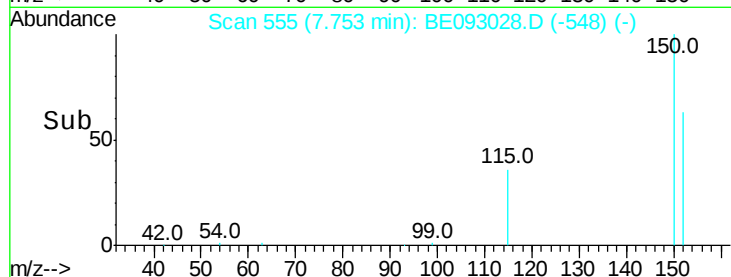
115 62.5 55.7 83.5



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: 0.78 ng

RT: 3.30 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

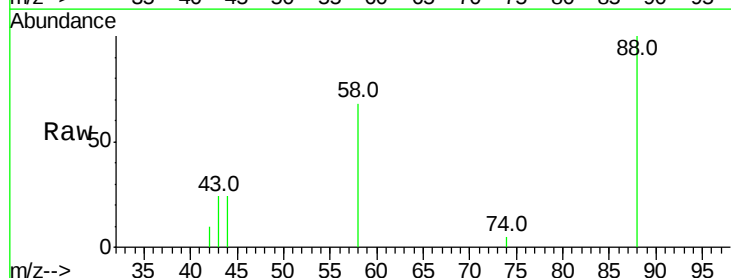
Tgt Ion: 88 Resp: 1166

Ion Ratio Lower Upper

88 100

58 80.0 62.2 93.4

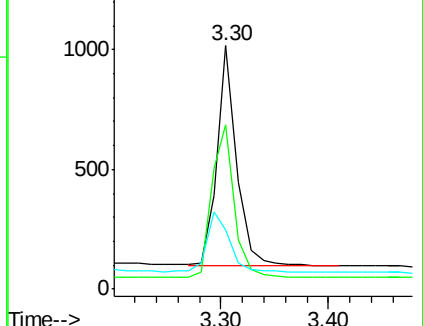
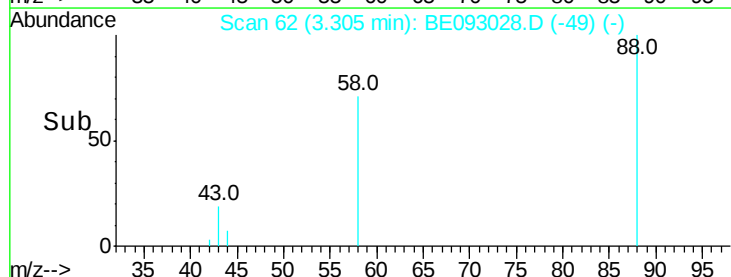
43 31.8 23.2 34.8

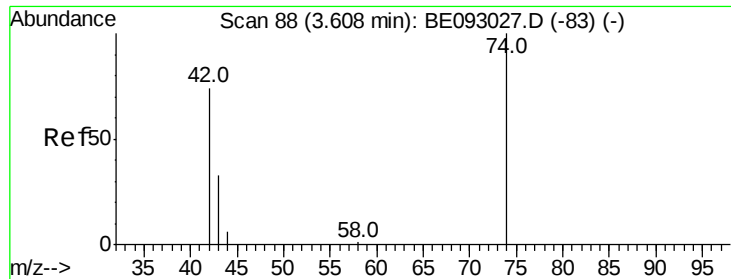


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.90 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

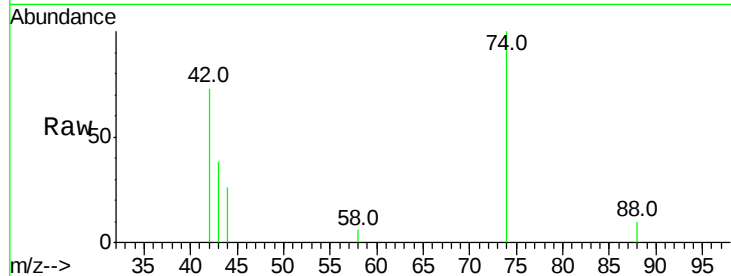
Tot Ion: 42 Resp: 1150

Ion Ratio Lower Upper

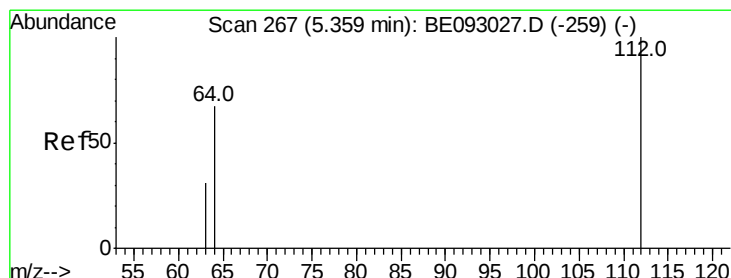
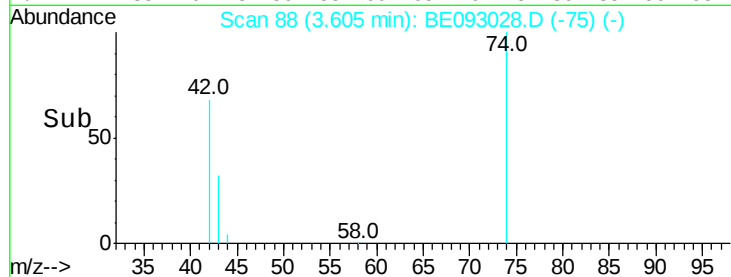
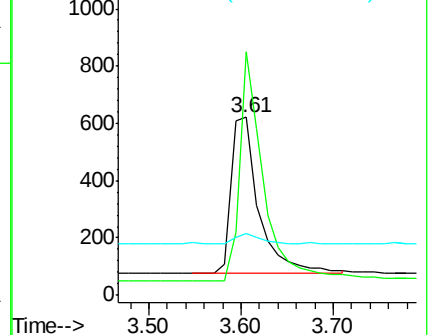
42 100

74 123.2 99.1 148.7

44 6.4 7.4 11.2#



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: 0.92 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

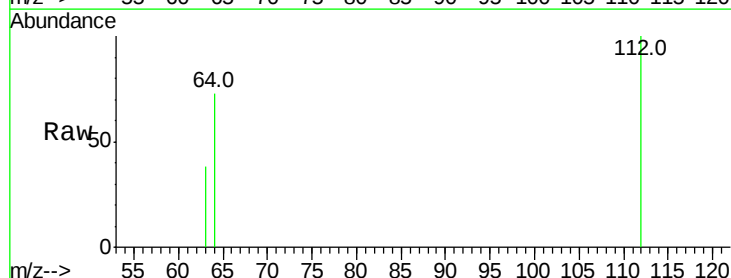
Tgt Ion: 112 Resp: 1881

Ion Ratio Lower Upper

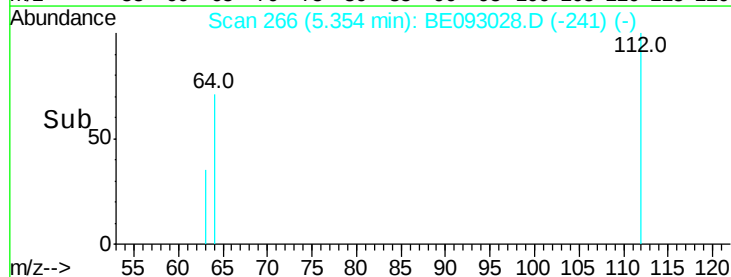
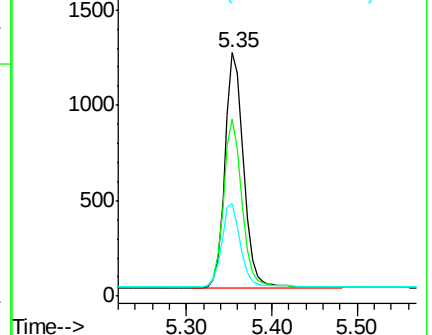
112 100

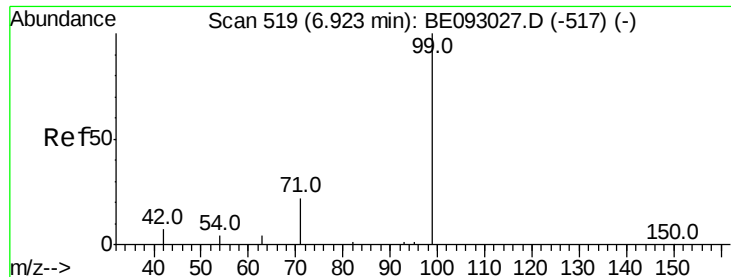
64 70.6 56.4 84.6

63 35.7 29.3 43.9



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: 1.00 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

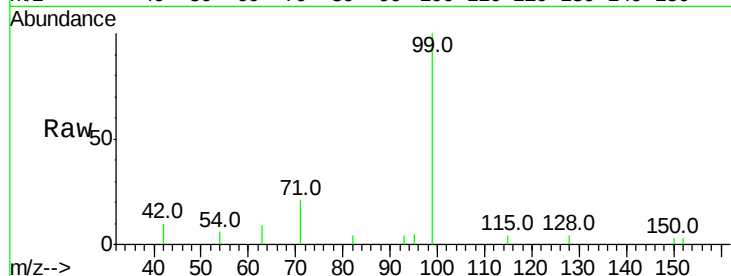
Tot Ion: 99 Resp: 2571

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

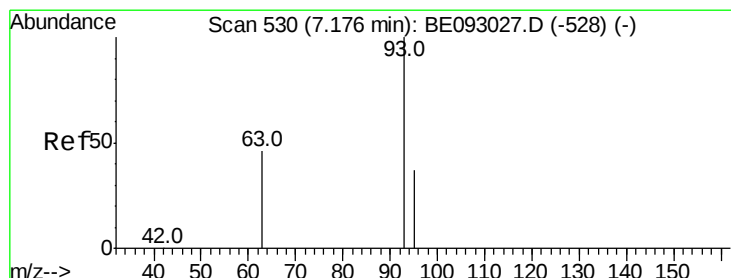
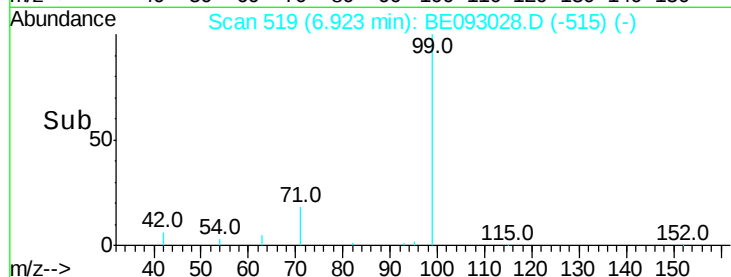
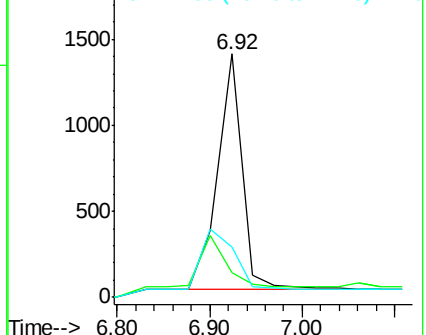
71 0.0 0.0 0.0



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: 0.84 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

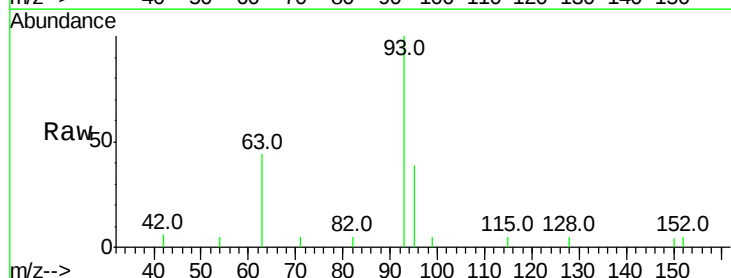
Tgt Ion: 93 Resp: 2109

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

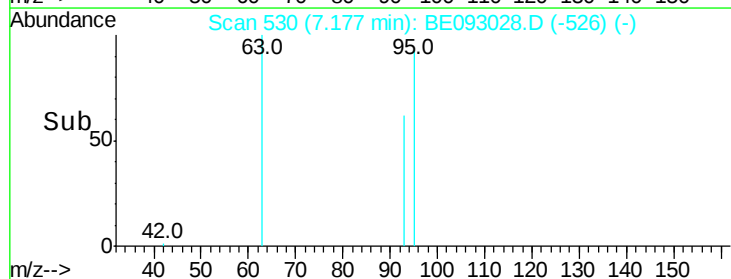
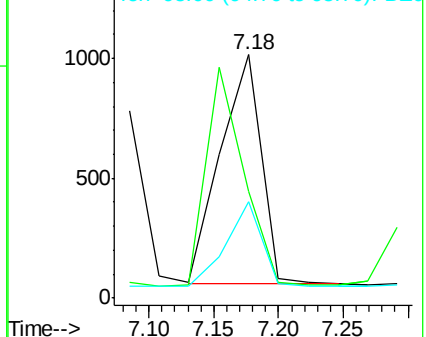
95 32.1 25.4 38.0

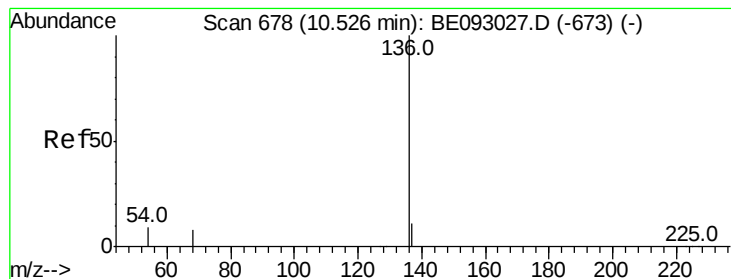


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3251

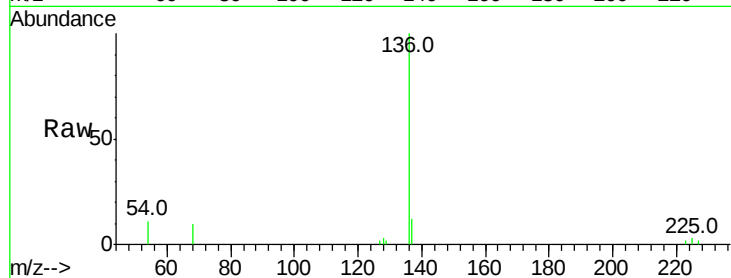
Ion Ratio Lower Upper

136 100

137 12.4 9.8 14.8

54 11.1 10.3 15.5

68 10.1 9.0 13.4

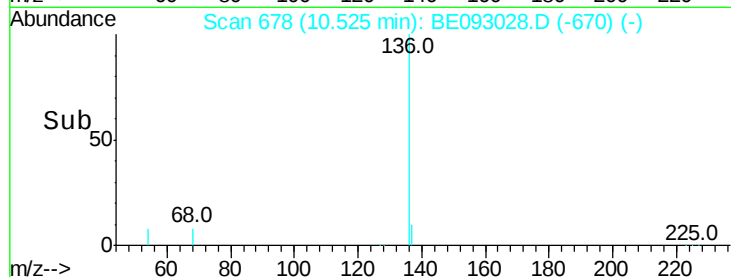


Abundance Ion 136.00 (135.70 to 136.70): E

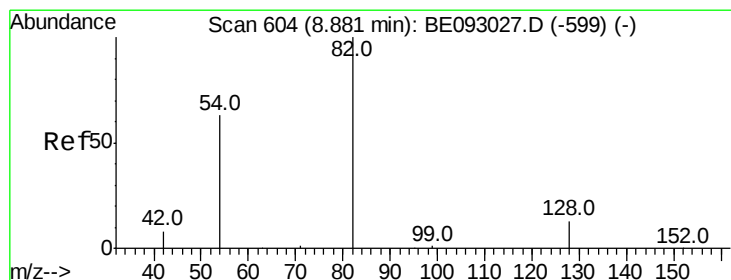
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.92 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

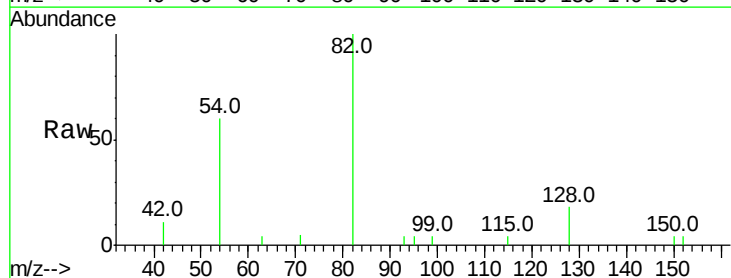
Tgt Ion: 82 Resp: 2330

Ion Ratio Lower Upper

82 100

128 18.0 17.0 25.4

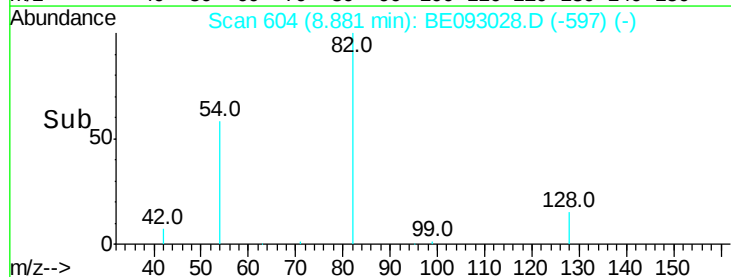
54 60.0 53.8 80.6



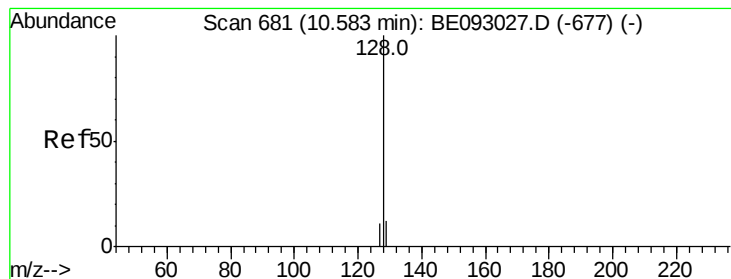
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.81 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

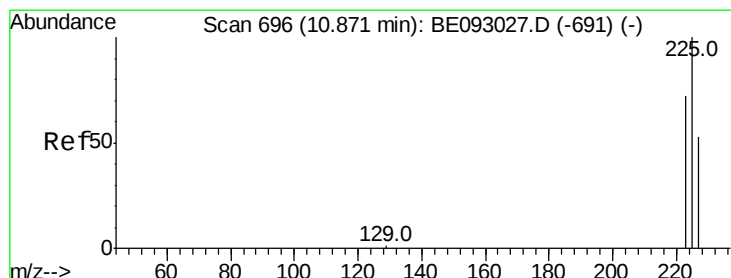
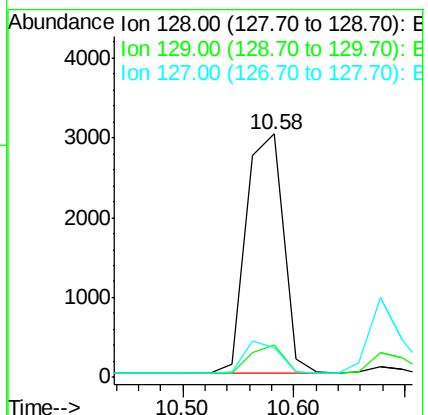
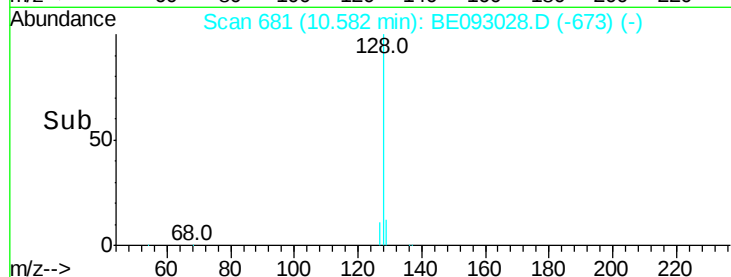
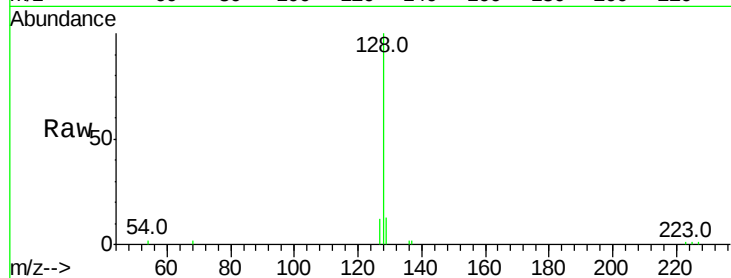
Tot Ion:128 Resp: 6993

Ion Ratio Lower Upper

128 100

129 13.3 11.4 17.0

127 12.4 11.2 16.8



#10

Hexachlorobutadiene

Concen: 0.78 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

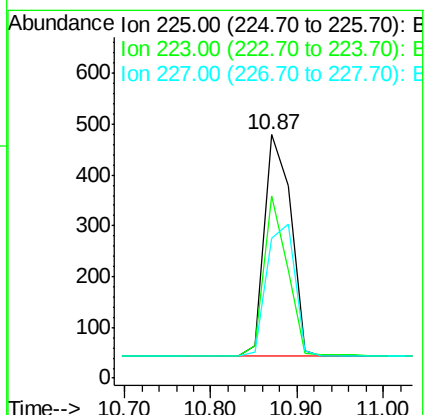
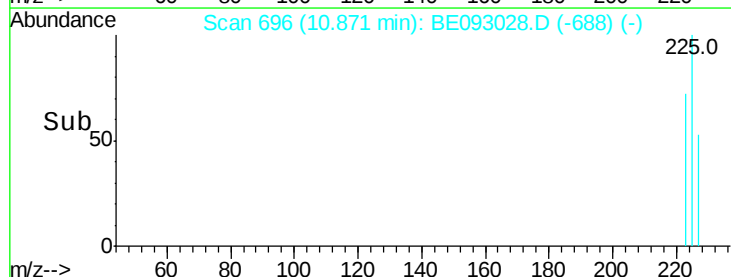
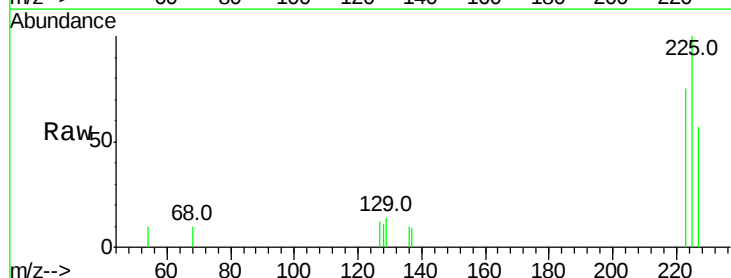
Tgt Ion:225 Resp: 924

Ion Ratio Lower Upper

225 100

223 63.1 49.7 74.5

227 63.3 50.3 75.5





#11

2-Methylnaphthalene-d10

Concen: 0.86 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

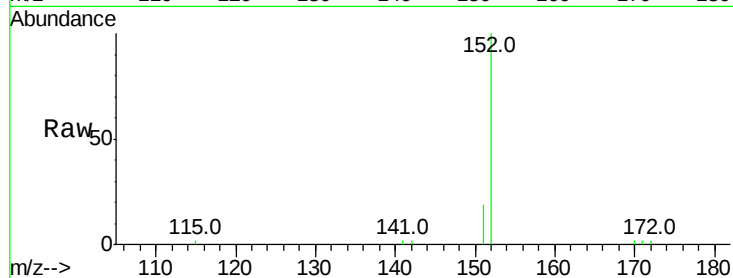
ClientSampleId :

Tot Ion:152 Resp: 3971

Ion Ratio Lower Upper

152 100

151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.11

2500

2000

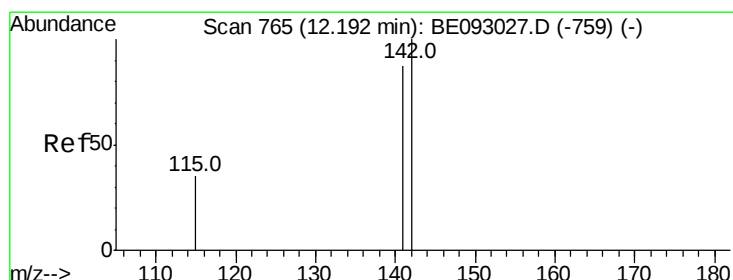
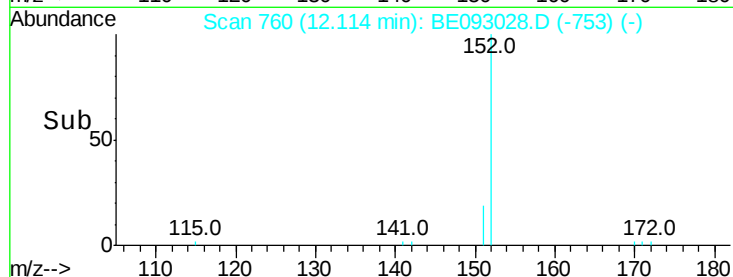
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.88 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

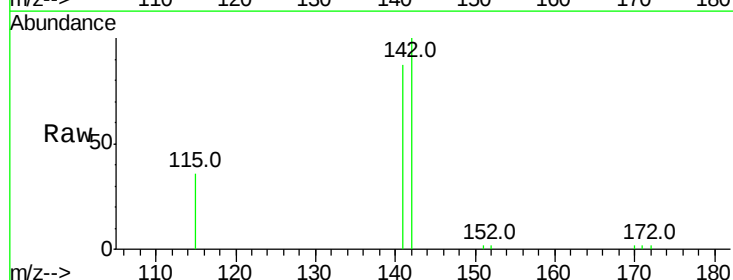
Tgt Ion:142 Resp: 4472

Ion Ratio Lower Upper

142 100

141 86.7 72.6 108.8

115 36.1 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.19

4000

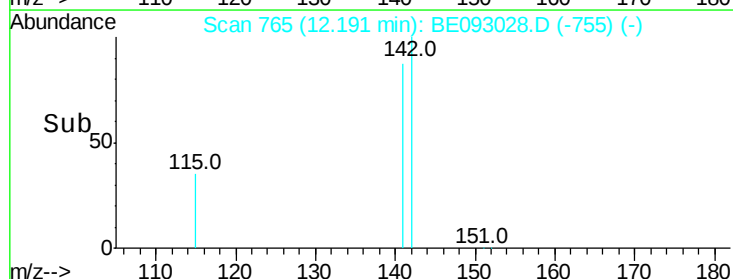
3000

2000

1000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

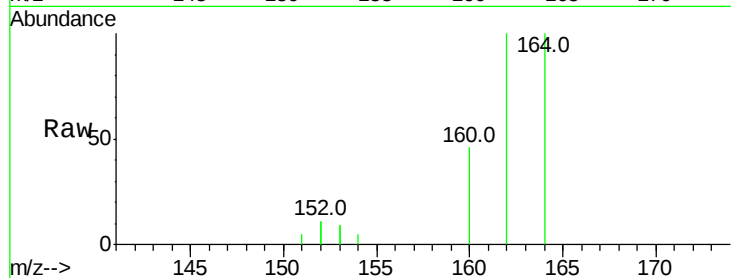
Tot Ion:164 Resp: 1623

Ion Ratio Lower Upper

164 100

162 99.7 84.6 127.0

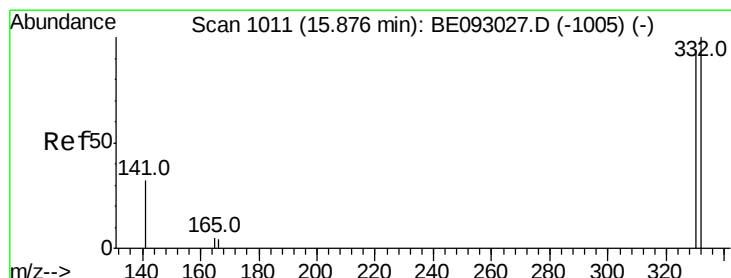
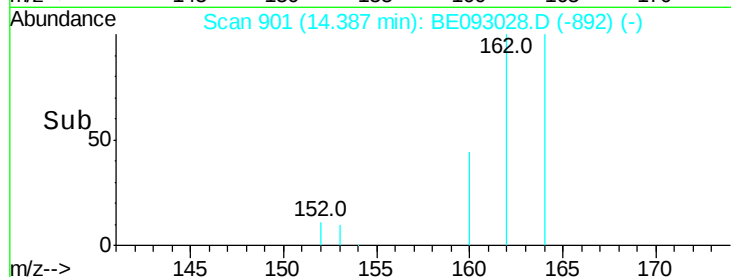
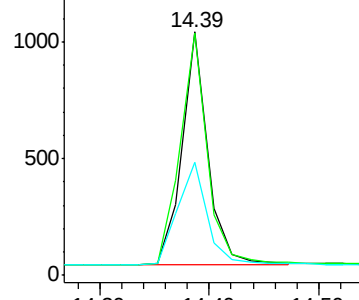
160 46.4 41.8 62.6



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: 0.93 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

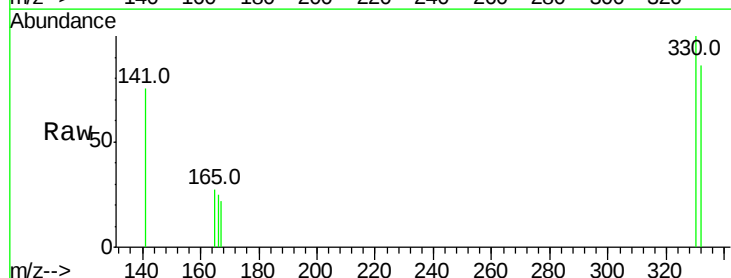
Tgt Ion:330 Resp: 413

Ion Ratio Lower Upper

330 100

332 93.9 77.7 116.5

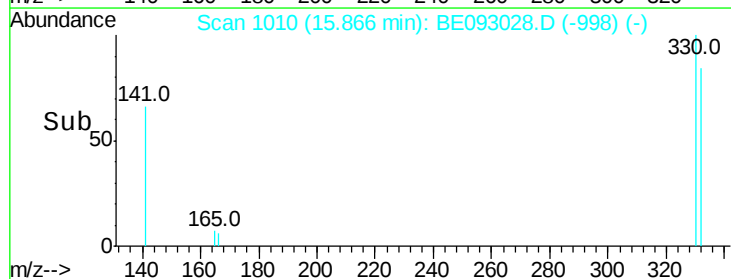
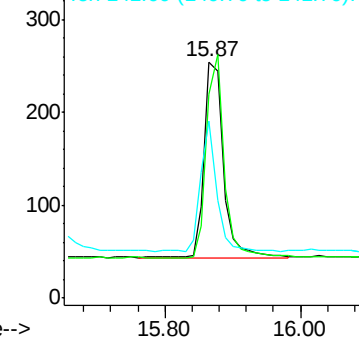
141 55.4 56.2 84.4#

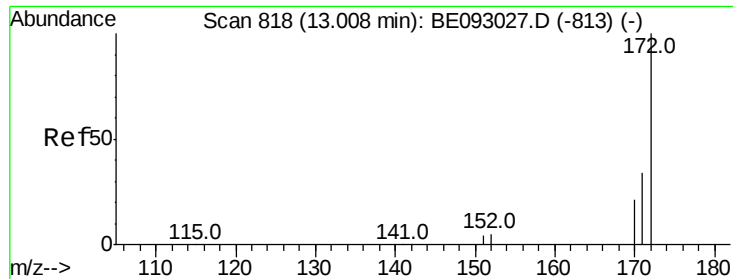


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

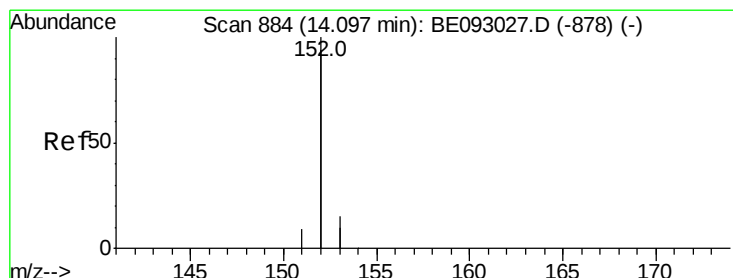
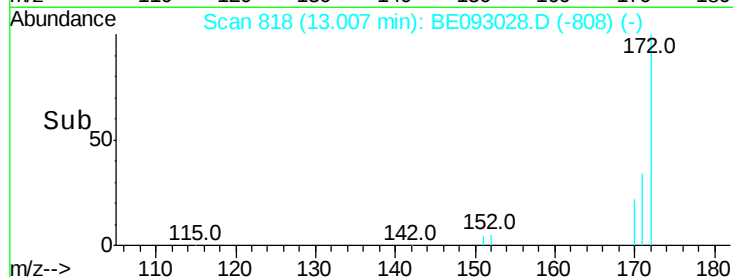
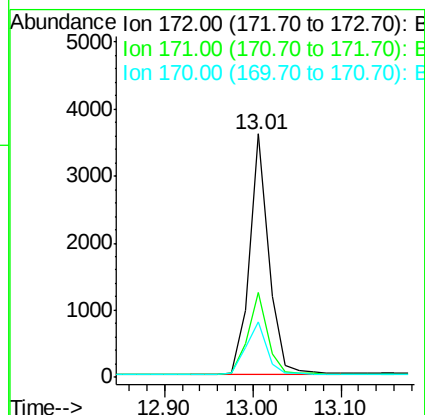
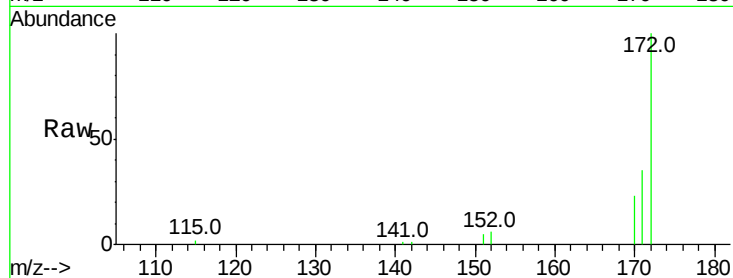




#15
2-Fluorobiphenyl
Concen: 0.86 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093028.D
Acq: 15 May 2017 11:03

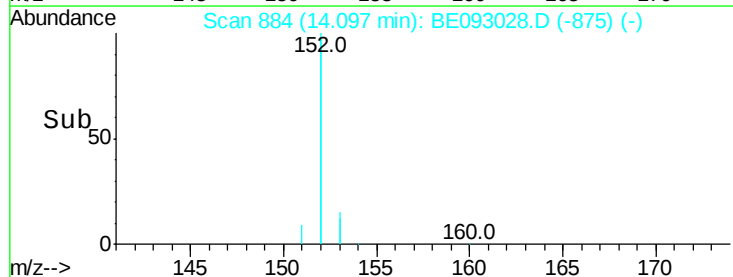
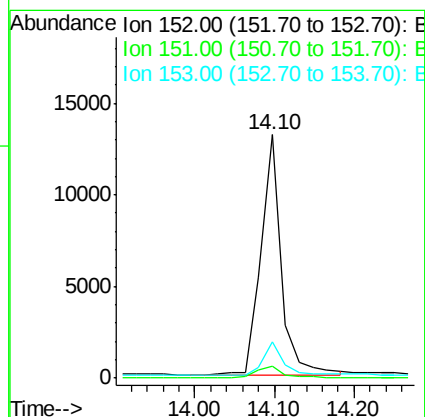
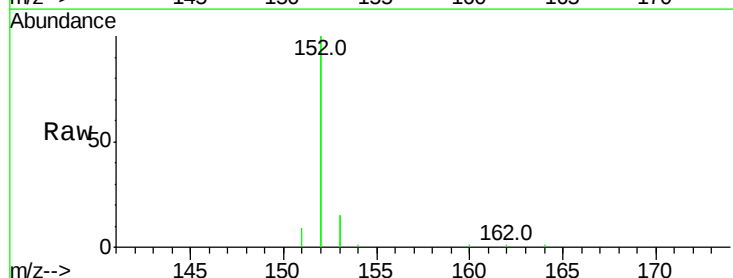
Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 5548
Ion Ratio Lower Upper
172 100
171 34.6 29.8 44.6
170 22.7 20.7 31.1



#16
Acenaphthylene
Concen: 0.85 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093028.D
Acq: 15 May 2017 11:03

Tgt Ion:152 Resp: 23375
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.81 ng

RT: 14.44 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

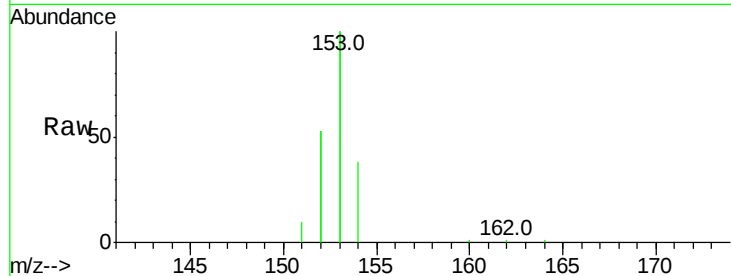
Tot Ion:154 Resp: 4076

Ion Ratio Lower Upper

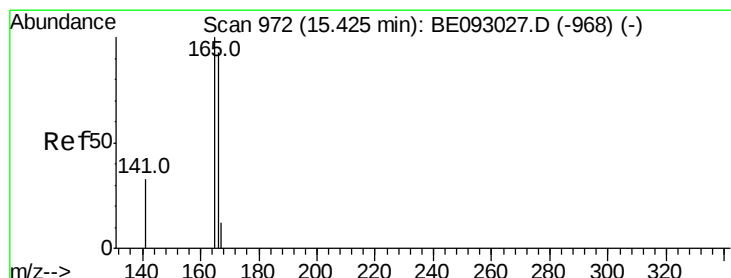
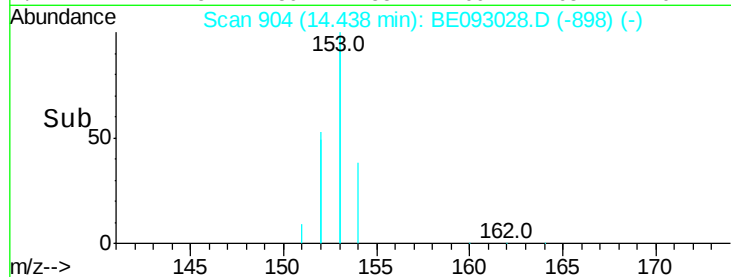
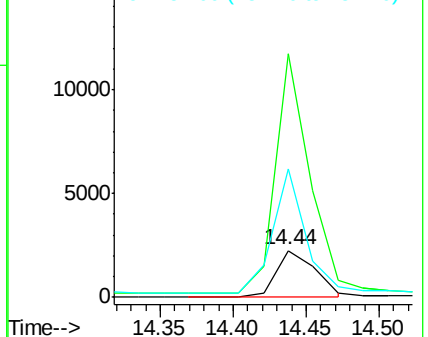
154 100

153 461.5 367.8 551.6

152 228.9 188.2 282.2



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: 0.83 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

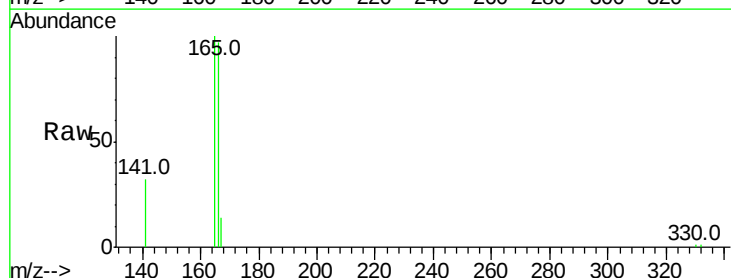
Tgt Ion:166 Resp: 5205

Ion Ratio Lower Upper

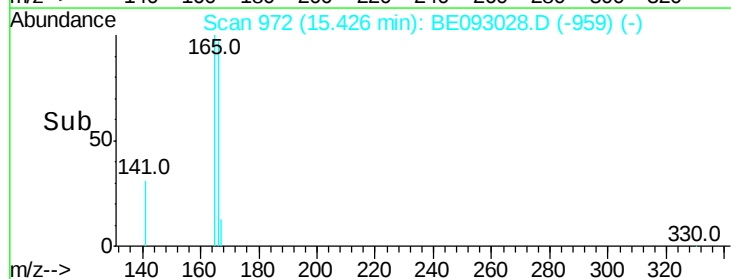
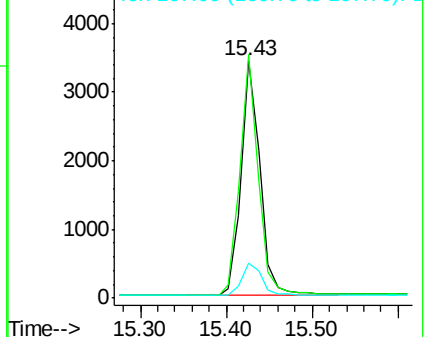
166 100

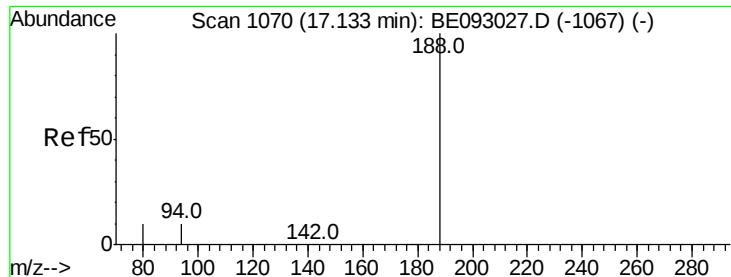
165 99.2 78.6 117.8

167 14.2 11.1 16.7



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: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

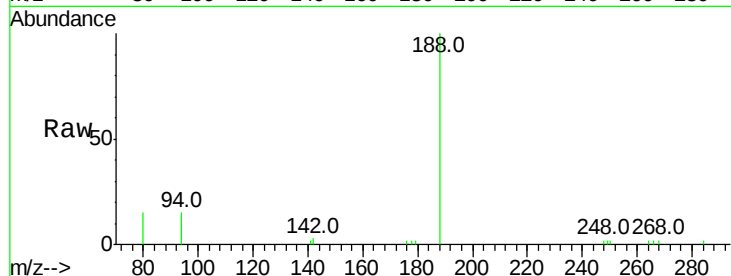
Tot Ion:188 Resp: 4277

Ion Ratio Lower Upper

188 100

94 14.5 11.3 16.9

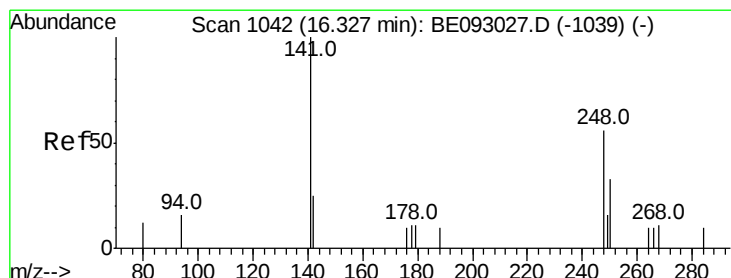
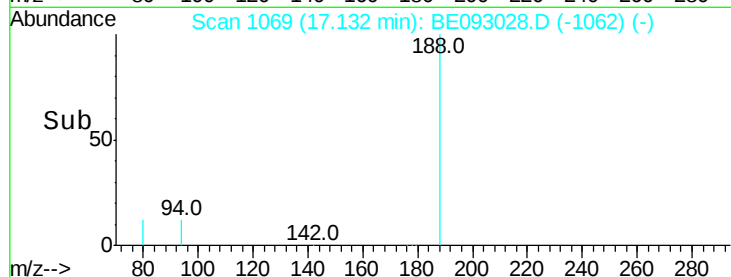
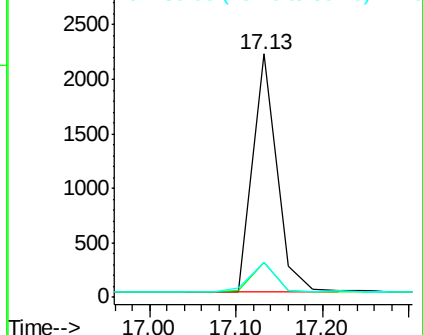
80 14.6 11.7 17.5



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: 0.78 ng

RT: 16.33 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

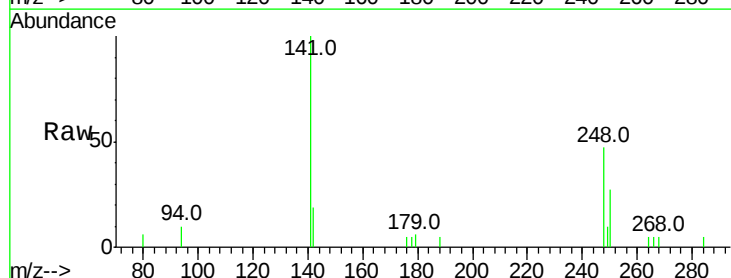
Tgt Ion:248 Resp: 1075

Ion Ratio Lower Upper

248 100

250 55.9 100.0 150.0#

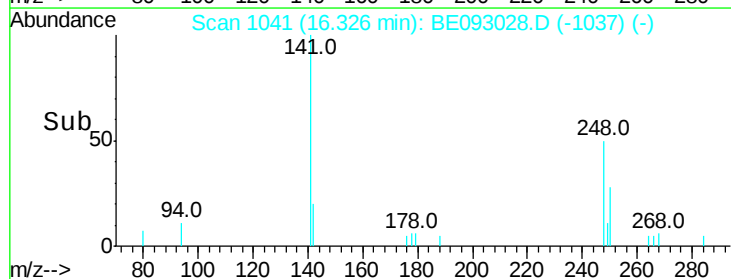
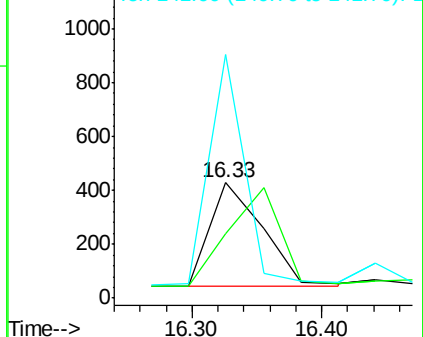
141 210.7 40.0 60.0#



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

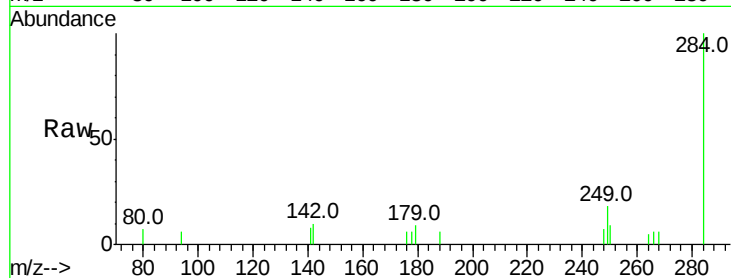




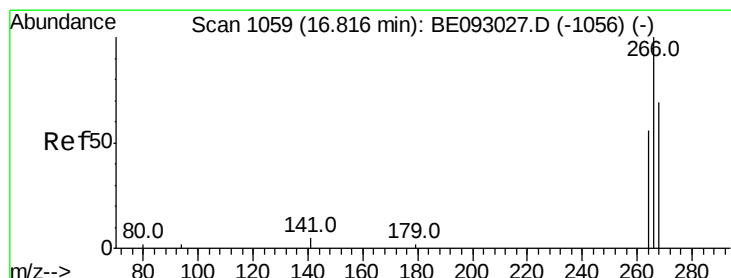
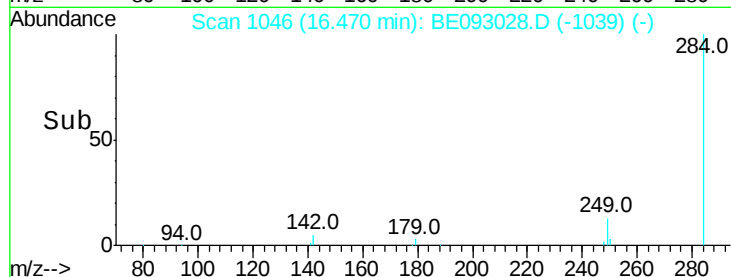
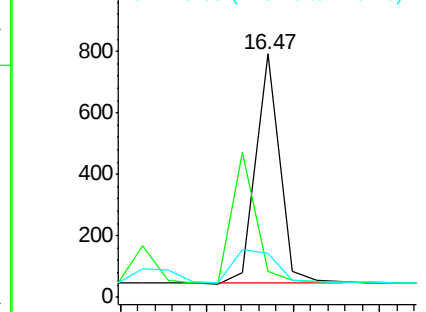
#21
Hexachlorobenzene
Concen: 0.71 ng
RT: 16.47 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE093028.D
Acq: 15 May 2017 11:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1450
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

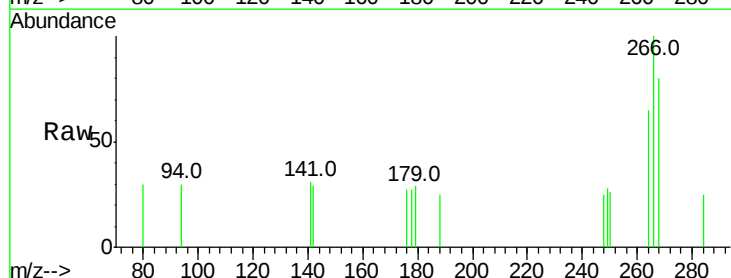


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

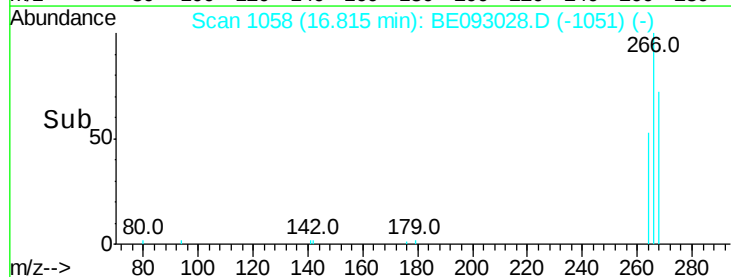
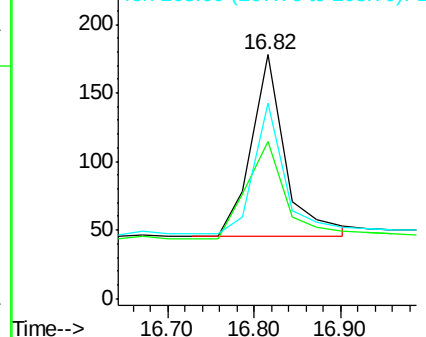


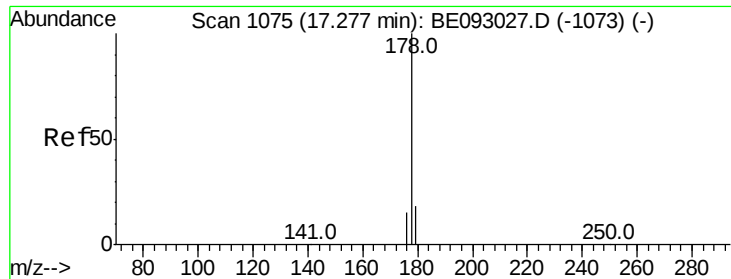
#22
Pentachlorophenol
Concen: 0.71 ng
RT: 16.82 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE093028.D
Acq: 15 May 2017 11:03

Tgt Ion:266 Resp: 368
Ion Ratio Lower Upper
266 100
264 64.6 58.2 87.2
268 80.3 71.9 107.9



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





#24

Anthracene

Concen: 0.82 ng

RT: 17.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

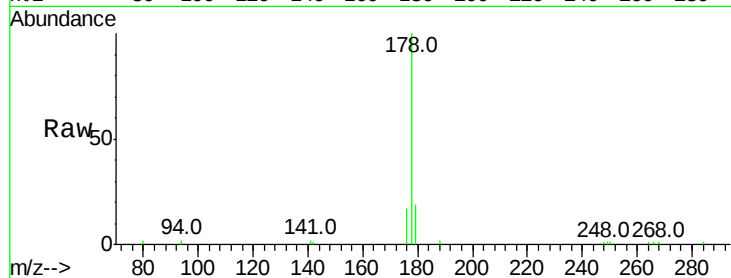
Tot Ion:178 Resp: 7244

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

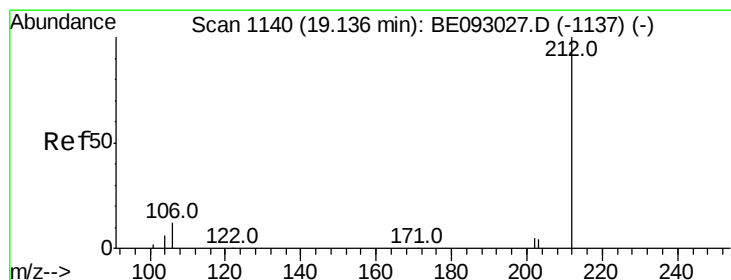
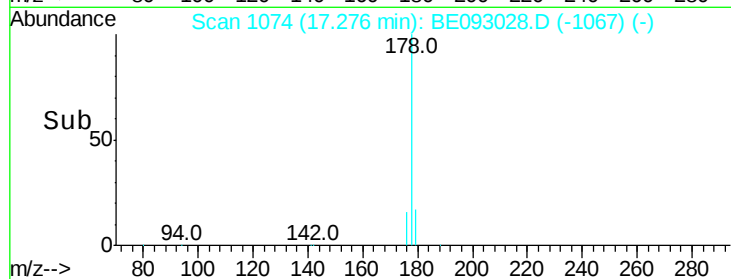
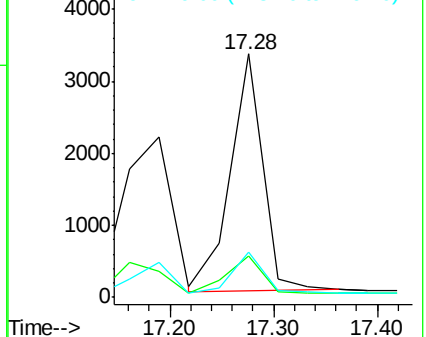
179 16.2 12.0 18.0



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: 0.80 ng

RT: 19.14 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

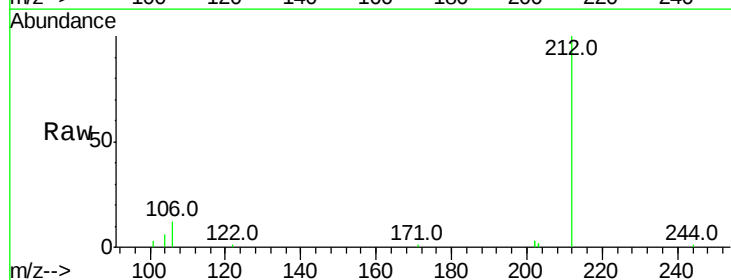
Tgt Ion:212 Resp: 9038

Ion Ratio Lower Upper

212 100

106 15.5 0.0 0.0#

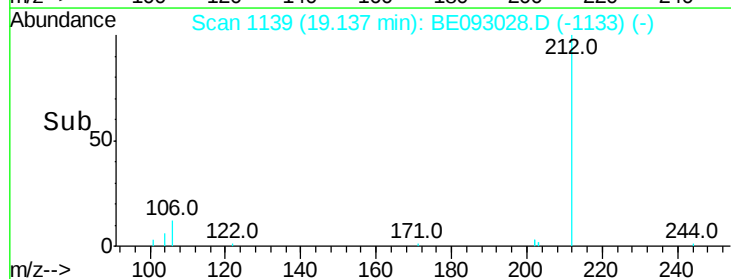
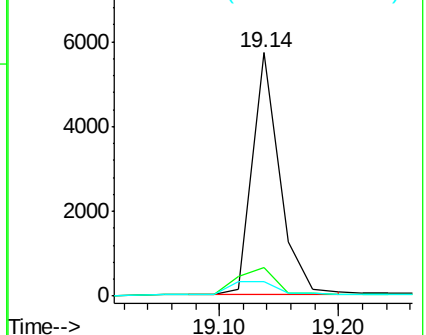
104 0.0 0.0 0.0

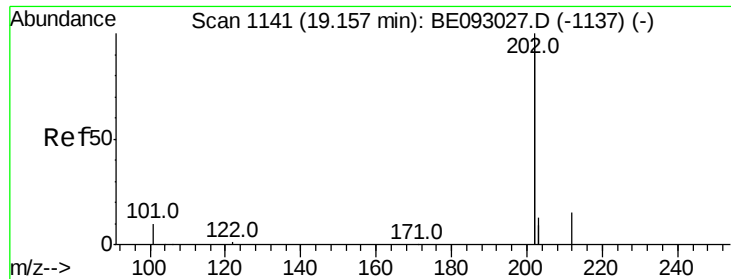


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

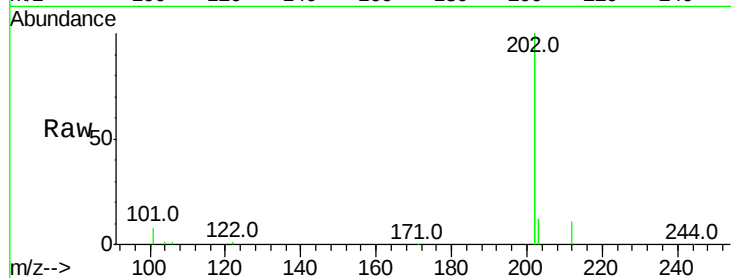




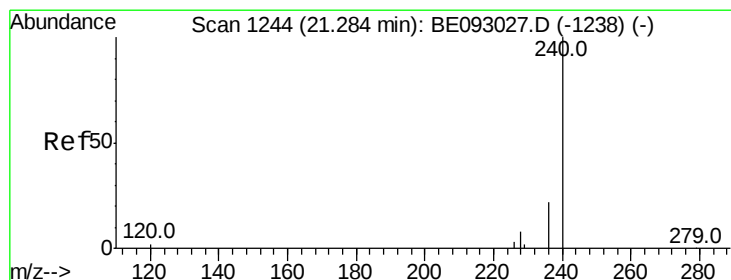
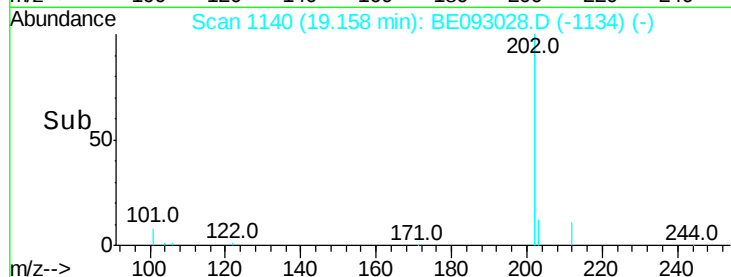
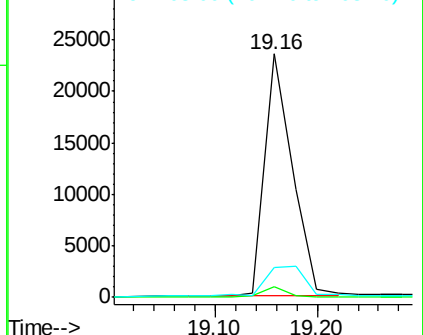
#26
 Fluoranthene
 Concen: 0.80 ng
 RT: 19.16 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BE093028.D
 Acq: 15 May 2017 11:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 43747
 Ion Ratio Lower Upper
 202 100
 101 3.4 0.0 0.0#
 203 0.0 14.4 21.6#

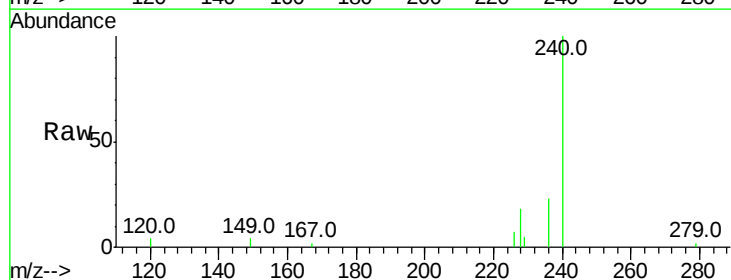


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

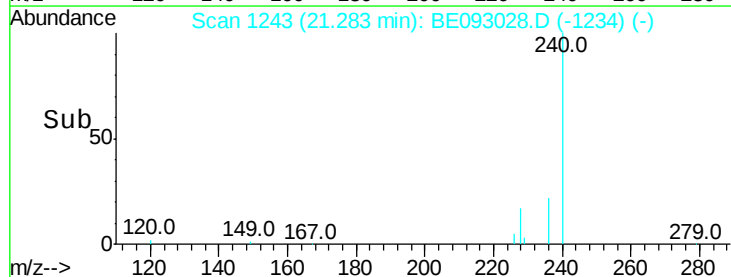
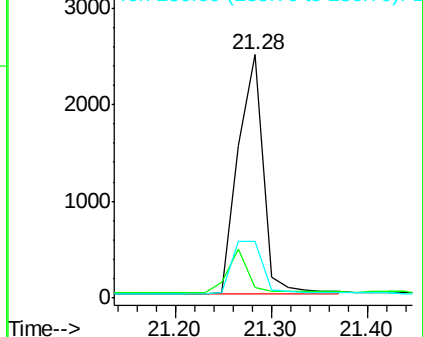


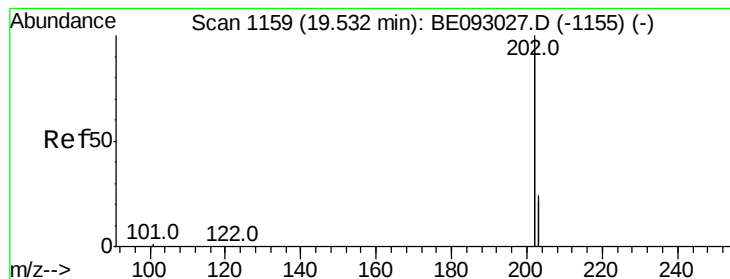
#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.28 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BE093028.D
 Acq: 15 May 2017 11:03

Tgt Ion:240 Resp: 4501
 Ion Ratio Lower Upper
 240 100
 120 4.3 4.6 7.0#
 236 23.3 20.8 31.2



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

Pvrene

Concen: 0.77 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampled :

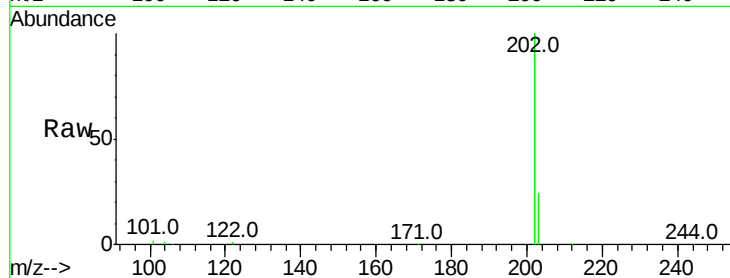
Tot Ion:202 Resp: 43294

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

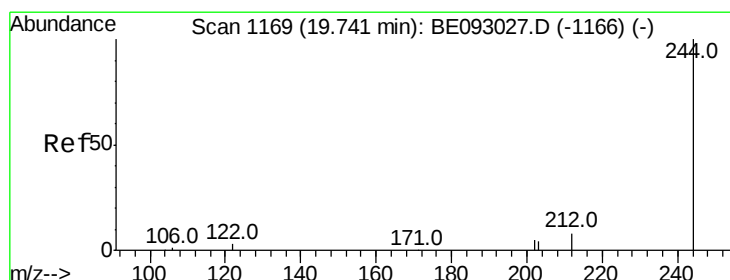
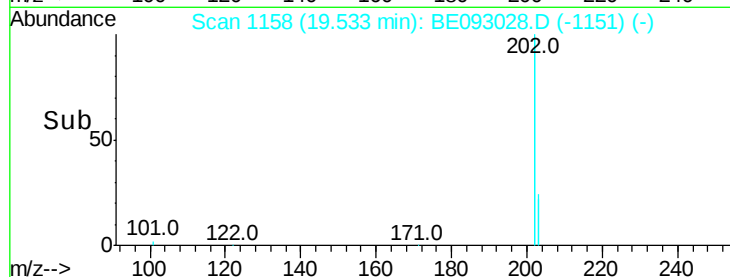
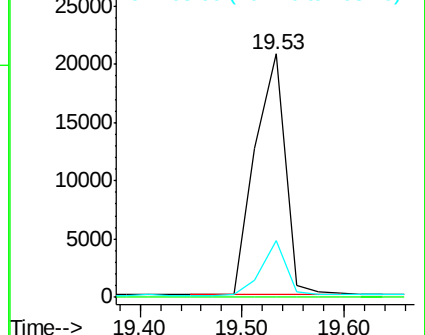
203 18.1 13.7 20.5



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: 0.86 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

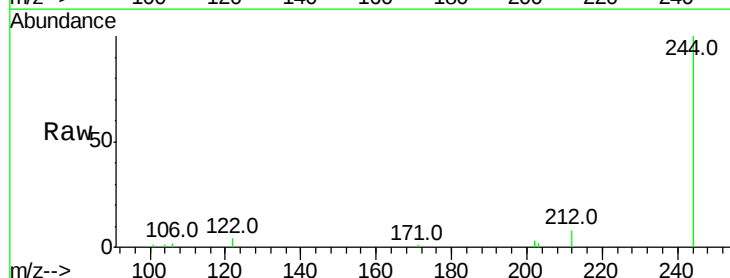
Tgt Ion:244 Resp: 6857

Ion Ratio Lower Upper

244 100

212 8.4 10.6 16.0#

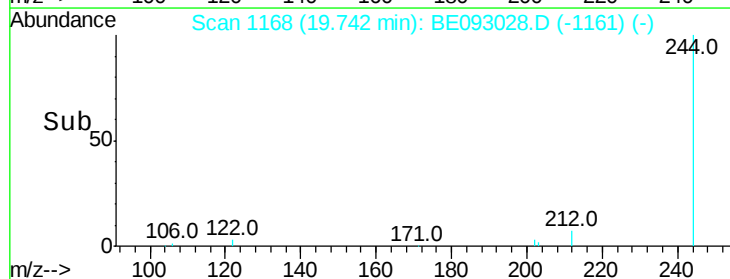
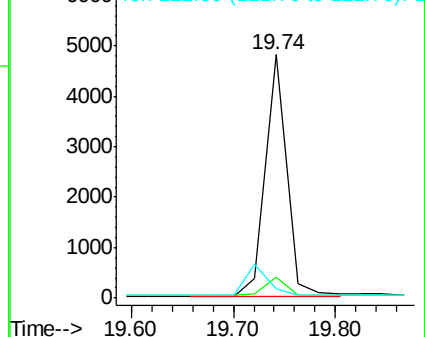
122 3.8 15.4 23.0#

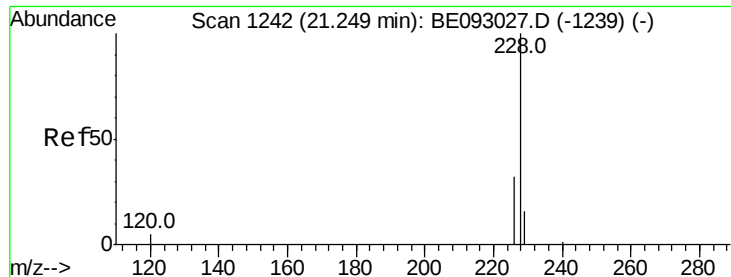


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

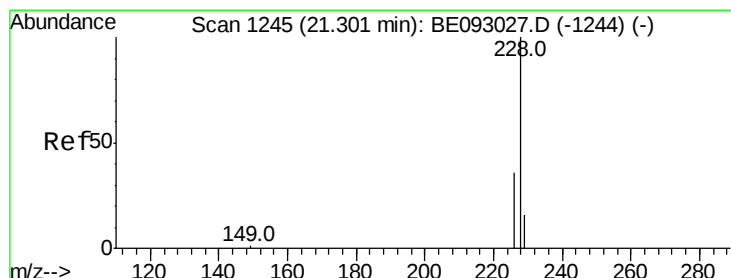
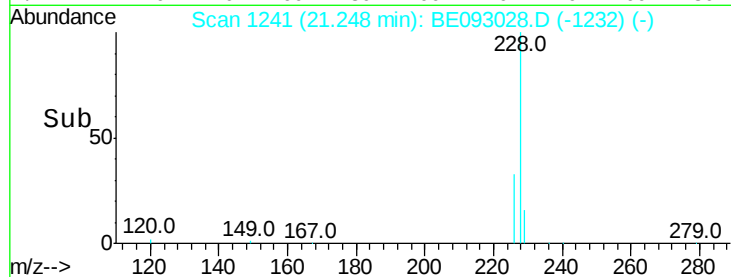
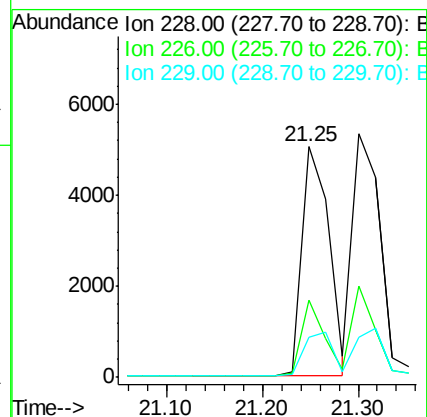
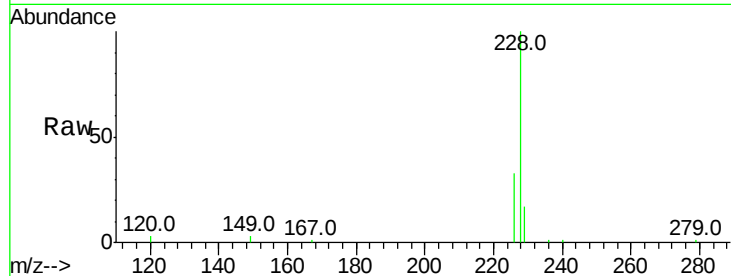




#30
Benzo(a)anthracene
Concen: 0.88 ng
RT: 21.25 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BE093028.D
Acq: 15 May 2017 11:03

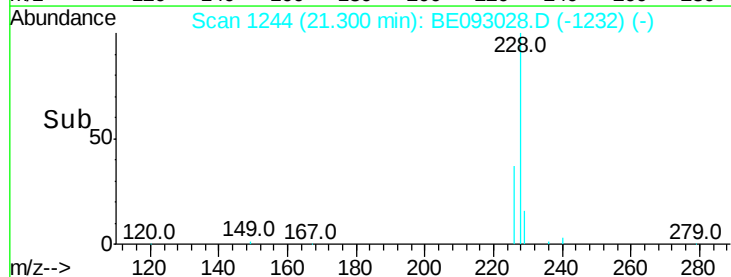
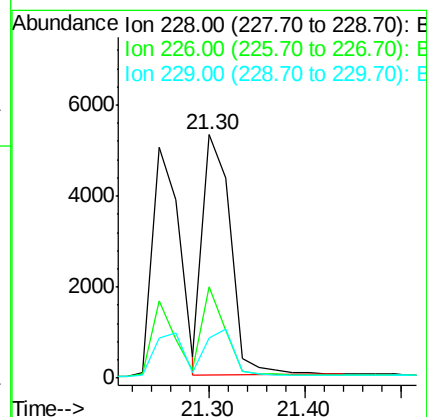
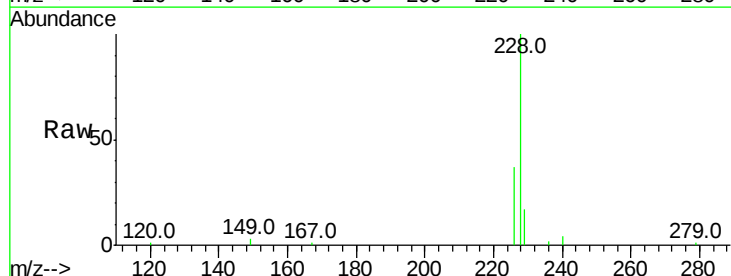
Instrument :
BNA_E
ClientSampleId :

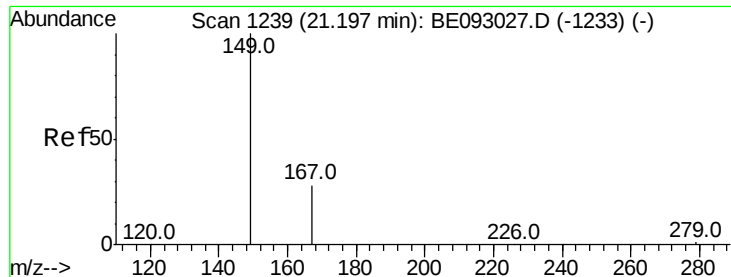
Tot Ion:228 Resp: 9760
Ion Ratio Lower Upper
228 100
226 33.2 19.7 29.5#
229 17.2 19.2 28.8#



#31
Chrysene
Concen: 0.77 ng
RT: 21.30 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093028.D
Acq: 15 May 2017 11:03

Tgt Ion:228 Resp: 10648
Ion Ratio Lower Upper
228 100
226 37.3 21.5 32.3#
229 16.6 18.6 28.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.94 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

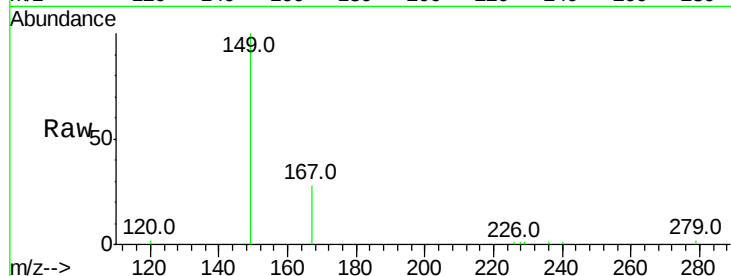
Tot Ion:149 Resp: 4574

Ion Ratio Lower Upper

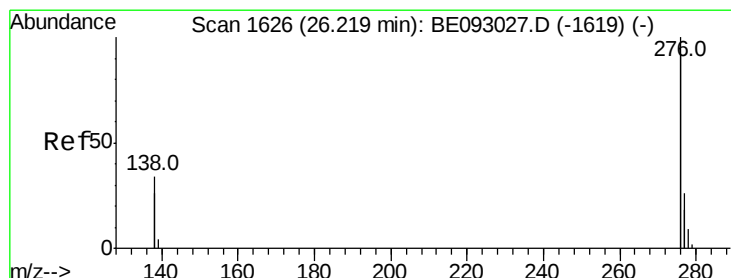
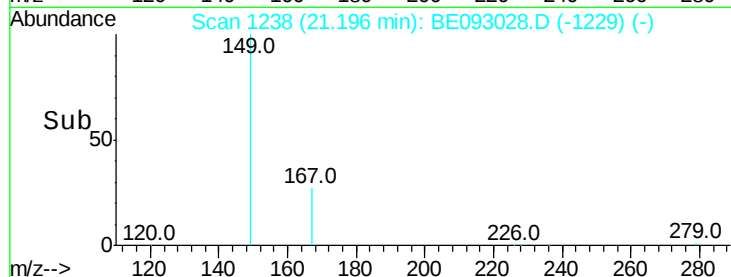
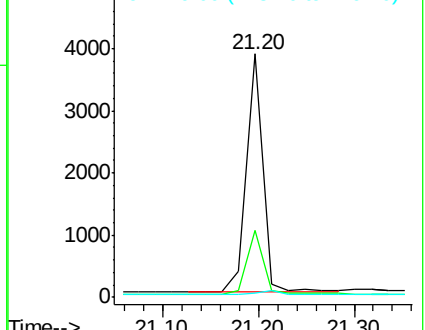
149 100

167 26.3 20.1 30.1

279 2.3 2.2 3.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.88 ng

RT: 26.22 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

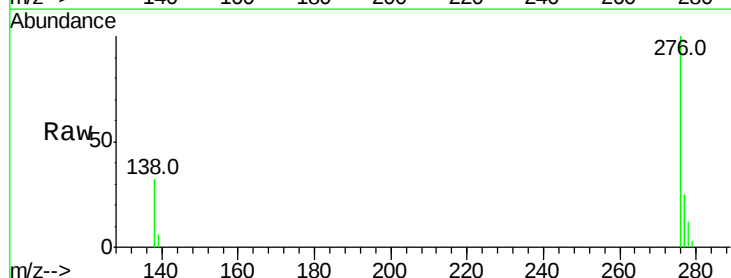
Tgt Ion:276 Resp: 38975

Ion Ratio Lower Upper

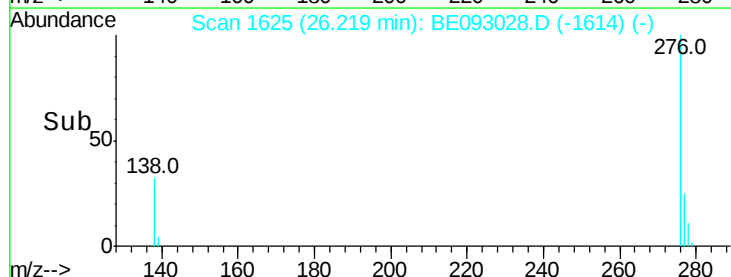
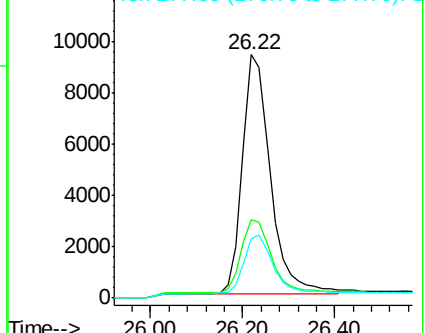
276 100

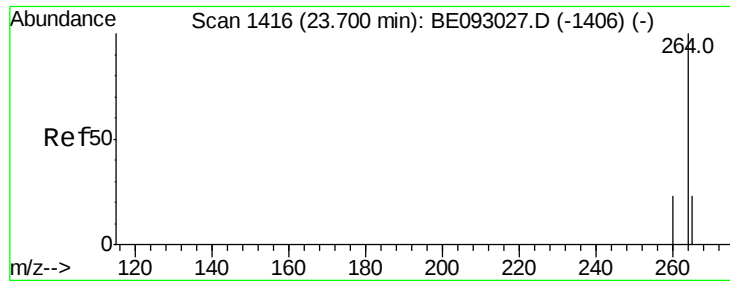
138 33.3 27.4 41.2

277 25.0 20.1 30.1



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

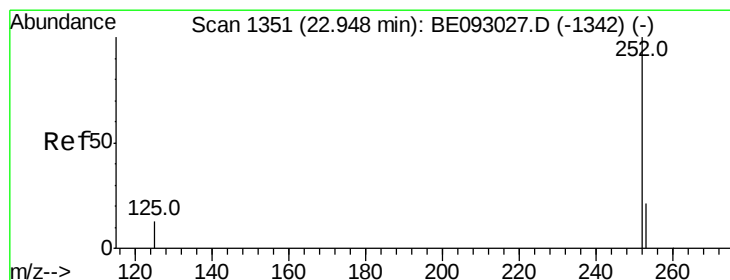
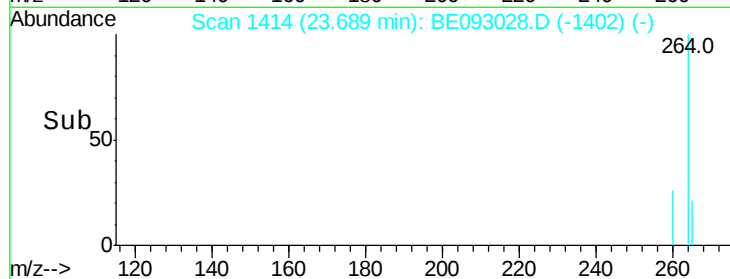
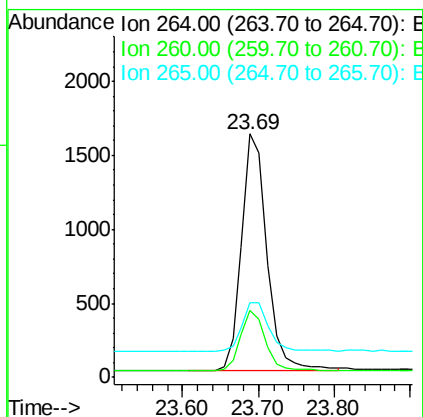
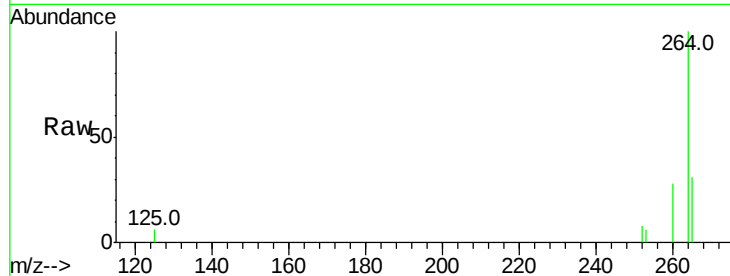




#34
 Pervlene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BE093028.D
 Acq: 15 May 2017 11:03

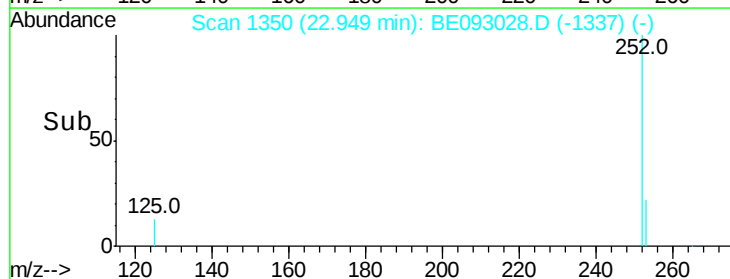
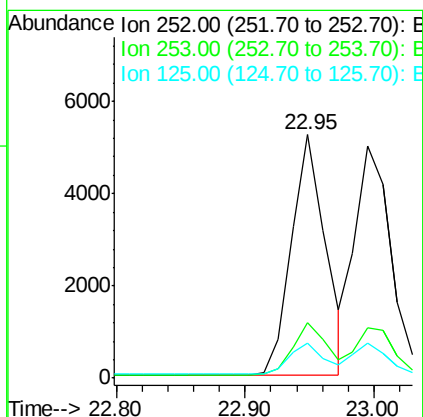
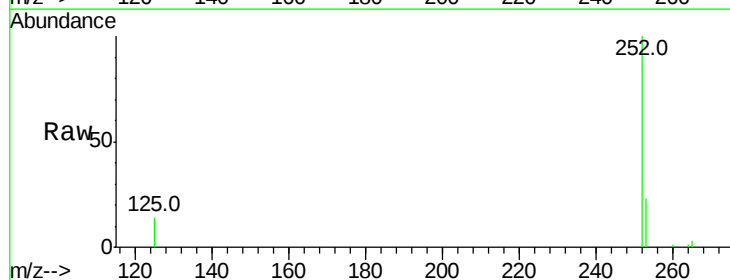
Instrument :
 BNA_E
 ClientSampleId :

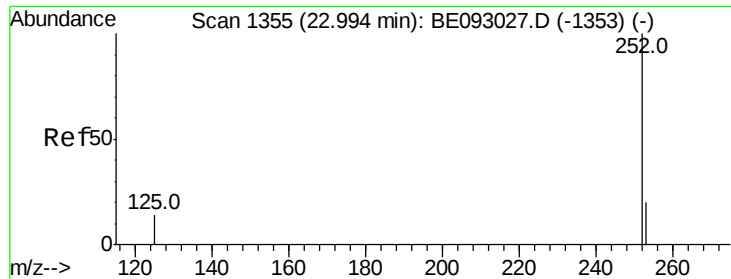
Tot Ion:264 Resp: 3721
 Ion Ratio Lower Upper
 264 100
 260 27.5 21.0 31.4
 265 30.7 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.80 ng
 RT: 22.95 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BE093028.D
 Acq: 15 May 2017 11:03

Tgt Ion:252 Resp: 9616
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.5 27.7
 125 14.3 13.4 20.0





#36

Benzo(k)fluoranthene

Concen: 0.80 ng

RT: 23.00 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :

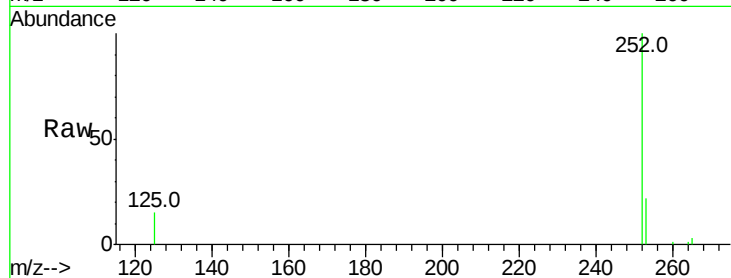
Tot Ion:252 Resp: 9620

Ion Ratio Lower Upper

252 100

253 21.8 20.3 30.5

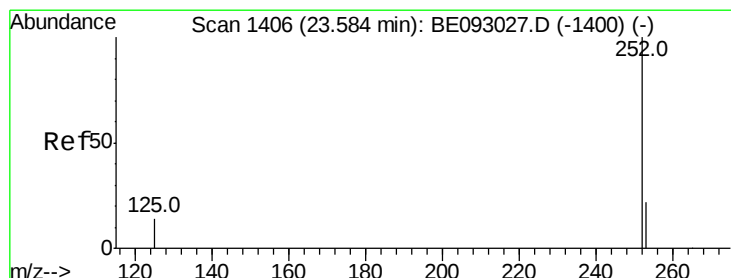
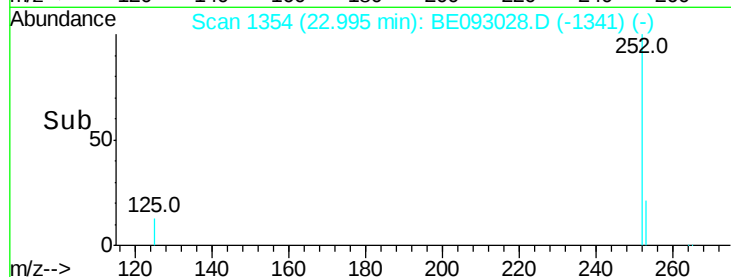
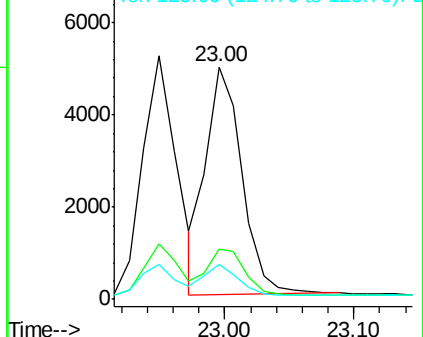
125 14.9 12.2 18.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.84 ng

RT: 23.59 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

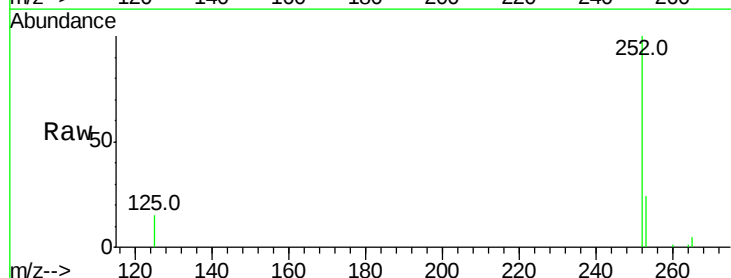
Tgt Ion:252 Resp: 8742

Ion Ratio Lower Upper

252 100

253 24.1 19.9 29.9

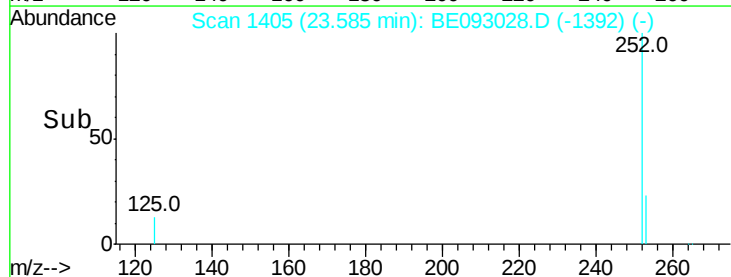
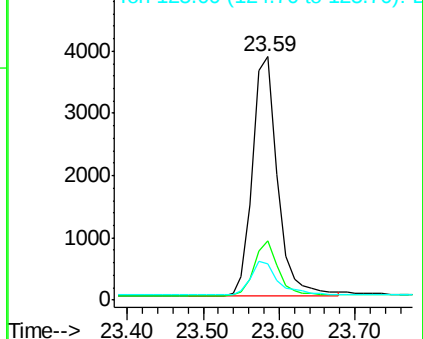
125 15.0 14.6 21.8

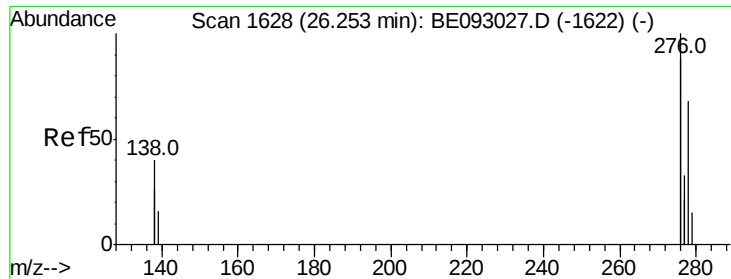


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.88 ng

RT: 26.25 min Scan# 1627

Delta R.T. 0.00 min

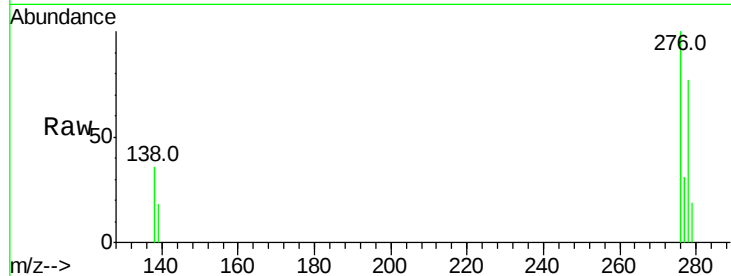
Lab File: BE093028.D

Acq: 15 May 2017 11:03

Instrument :

BNA_E

ClientSampleId :



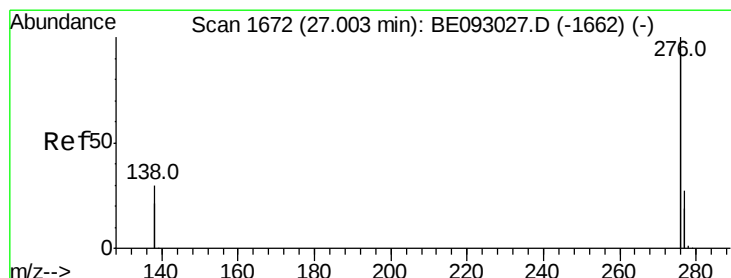
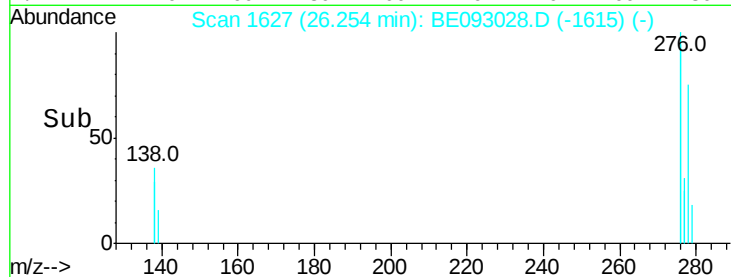
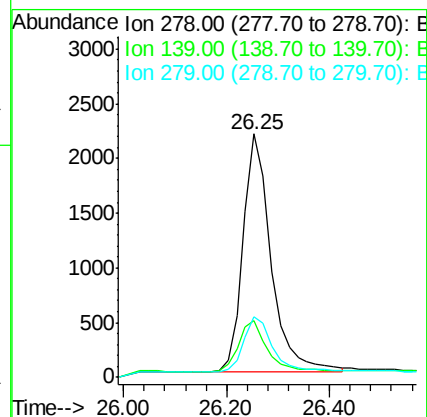
Tot Ion:278 Resp: 8290

Ion Ratio Lower Upper

278 100

139 23.3 21.4 32.0

279 25.1 22.2 33.2



#39

Benzo(g,h,i)perylene

Concen: 0.83 ng

RT: 27.00 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE093028.D

Acq: 15 May 2017 11:03

Tgt Ion:276 Resp: 35582

Ion Ratio Lower Upper

276 100

277 26.0 21.2 31.8

138 28.5 24.5 36.7

