

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
 Data File : BE093049.D
 Acq On : 16 May 2017 12:12
 Operator : SJ/MA
 Sample : I3079-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 18 00:53:47 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 13:35:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1147	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	4697	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	10713	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	7192	0.40	ng	0.00
27) Chrysene-d12	21.28	240	6729	0.40	ng	0.00
34) Perylene-d12	23.69	264	5728	0.40	ng	-0.01

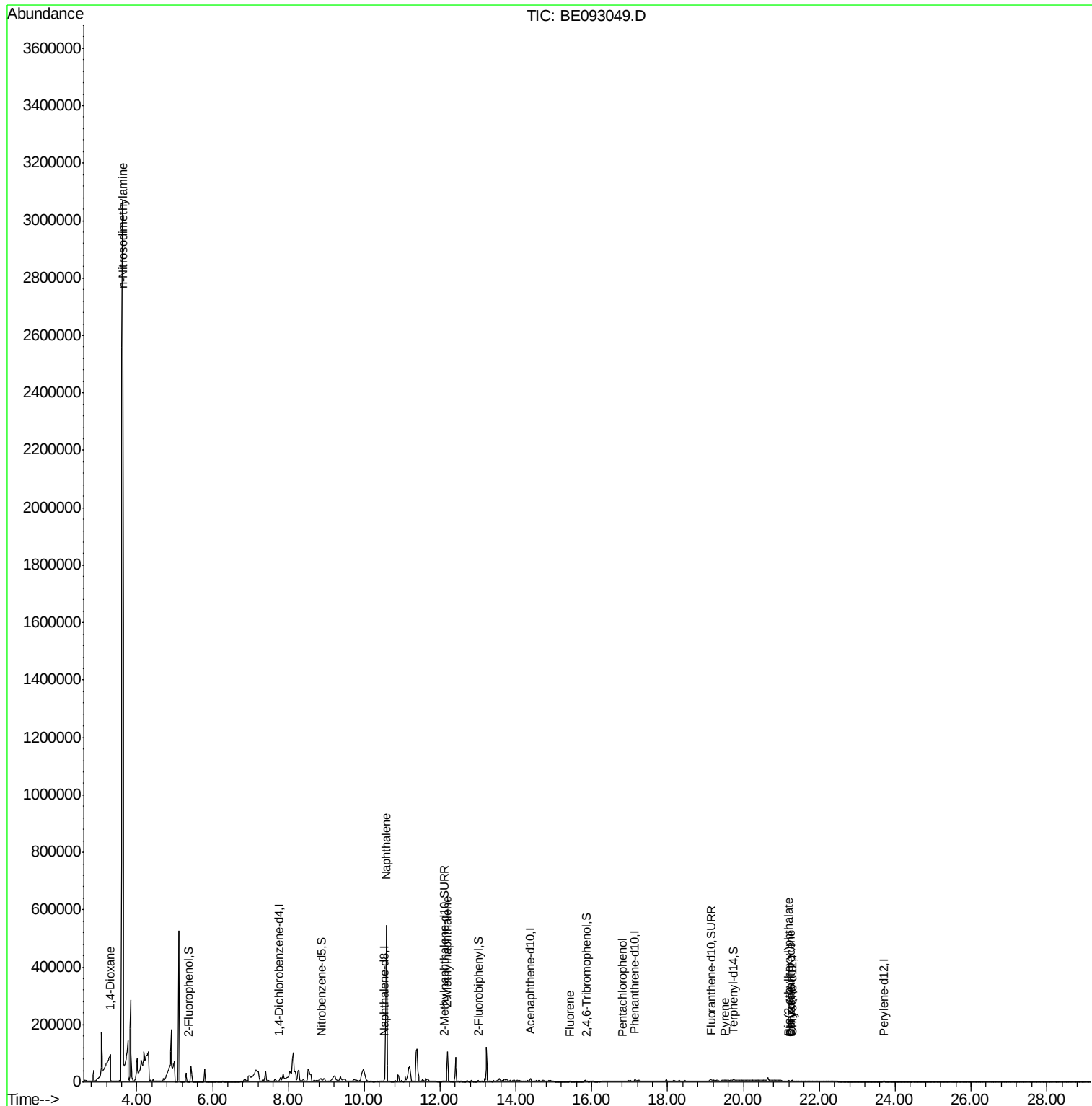
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	792	0.23	ng	0.00
5) Phenol-d6	0.00	99	0	0.00	ng	
8) Nitrobenzene-d5	8.88	82	3074	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2399	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	376	0.12	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	4727	0.11	ng	0.00
25) Fluoranthene-d10	19.14	212	5688	0.30	ng	0.00
29) Terphenyl-d14	19.74	244	6982	0.56	ng	0.00

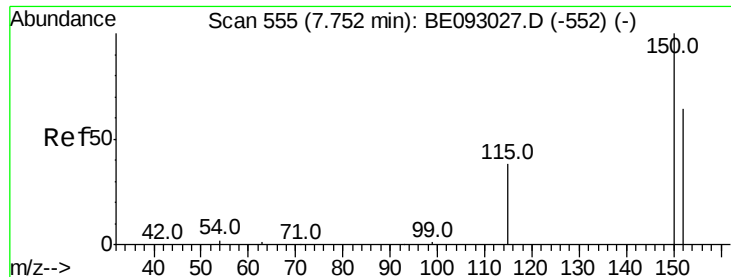
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	349	0.14	ng	# 20
3) n-Nitrosodimethylamine	3.63	42	463906	223.35	ng	# 1
9) Naphthalene	10.58	128	774310	62.58	ng	95
12) 2-Methylnaphthalene	12.19	142	71108	9.27	ng	97
18) Fluorene	15.42	166	1748	0.04	ng	86
21) Hexachlorobenzene	16.47	284	19	Below Cal	#	100
22) Pentachlorophenol	16.82	266	55	0.04	ng	91
23) Phenanthrene	17.16	178	715	Below Cal	#	1
24) Anthracene	17.16	178	903	Below Cal	#	61
28) Pvrene	19.51	202	2658	0.03	ng	# 61
30) Benzo(a)anthracene	21.25	228	402	0.02	ng	# 1
31) Chrysene	21.25	228	402	0.02	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.20	149	2420	0.29	ng	# 77

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampleId :

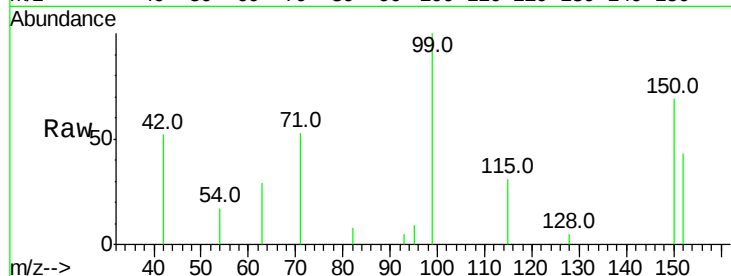
Tot Ion:152 Resp: 1147

Ion Ratio Lower Upper

152 100

150 159.1 125.1 187.7

115 70.8 55.7 83.5

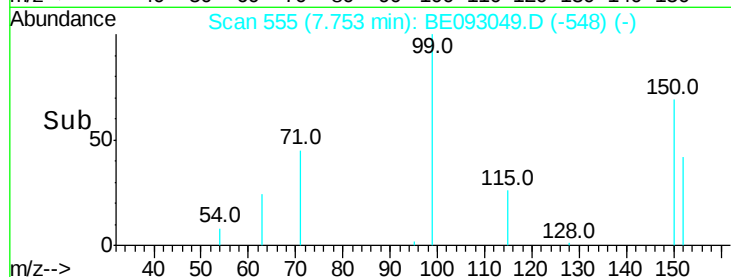


Abundance Ion 152.00 (151.70 to 152.70): E

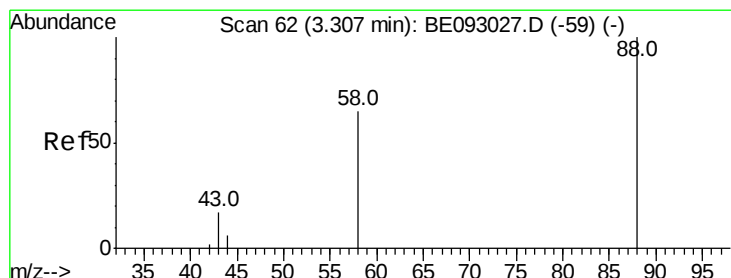
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



Time-->



#2

1,4-Dioxane

Concen: 0.14 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

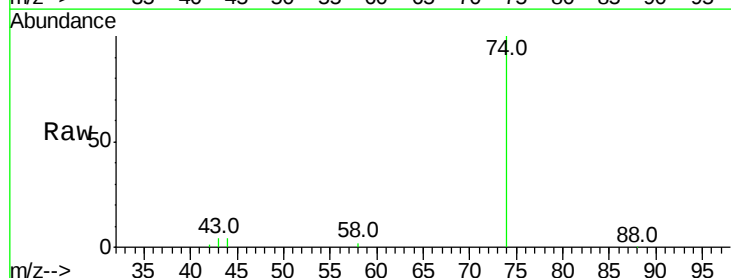
Tgt Ion: 88 Resp: 349

Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

43 0.0 23.2 34.8#

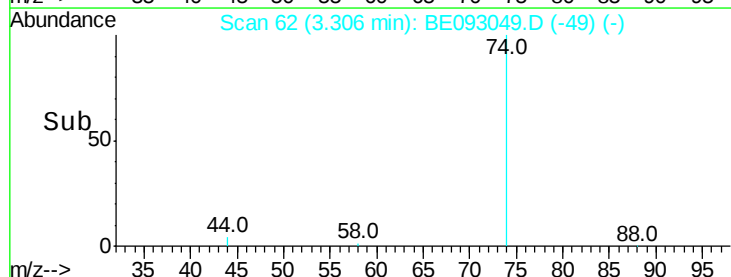


Abundance Ion 88.00 (87.70 to 88.70): BE0

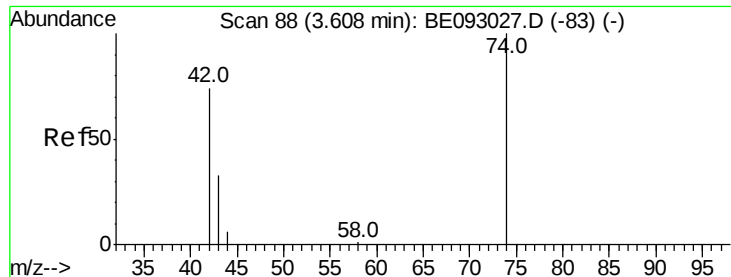
Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->



Time-->



#3

n-Nitrosodimethylamine

Concen: 223.35 ng

RT: 3.63 min Scan# 90

Delta R.T. 0.02 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampleId :

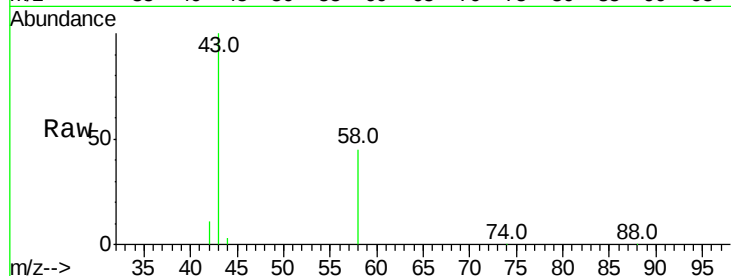
Tot Ion: 42 Resp: 463906

Ion Ratio Lower Upper

42 100

74 0.6 99.1 148.7#

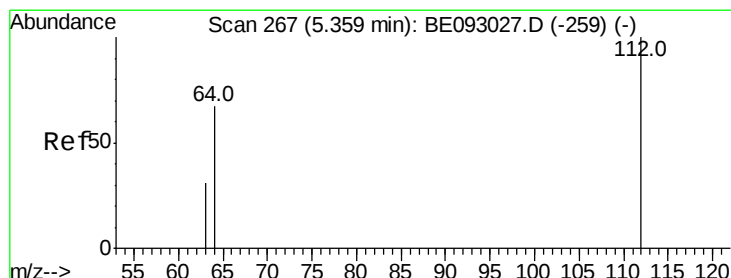
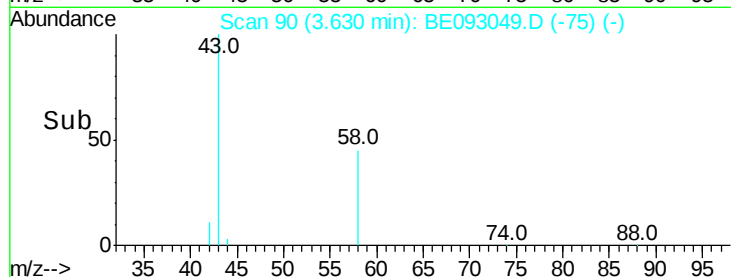
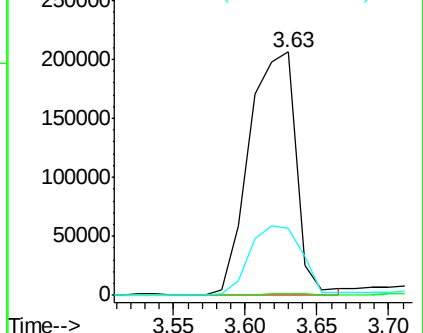
44 0.0 7.4 11.2#



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: 0.23 ng

RT: 5.36 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

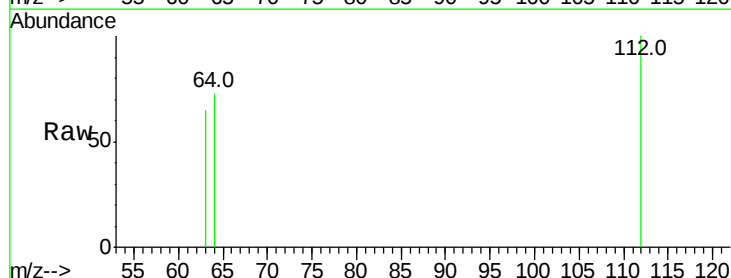
Tgt Ion: 112 Resp: 792

Ion Ratio Lower Upper

112 100

64 0.0 56.4 84.6#

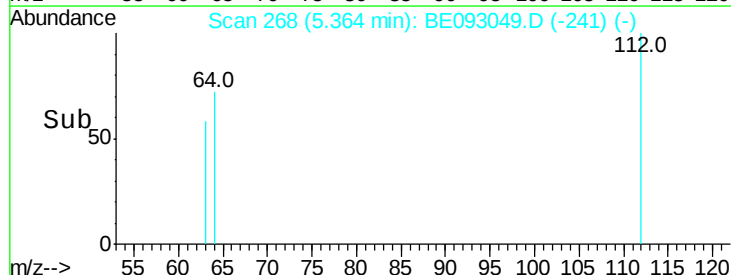
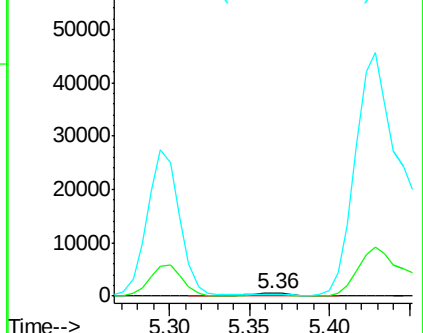
63 0.0 29.3 43.9#

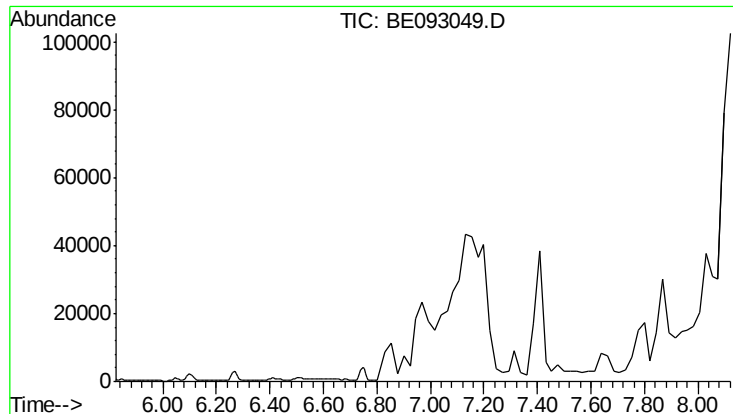


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

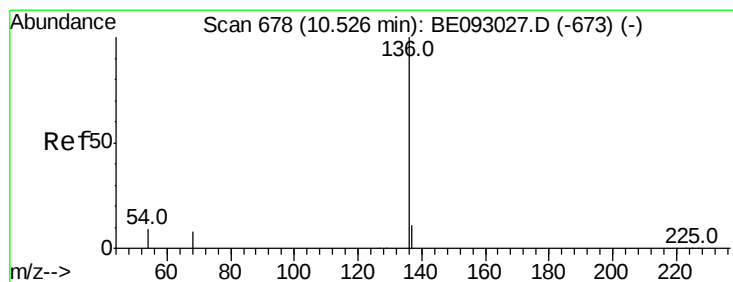
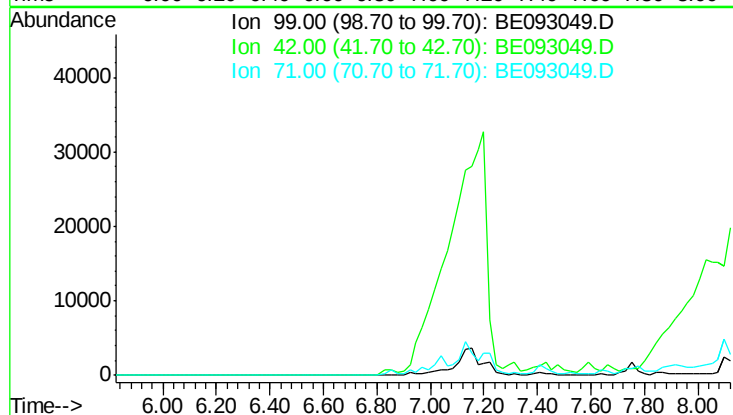




#5
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.92 min
 Lab File: BE093049.D
 Acq: 16 May 2017 12:12

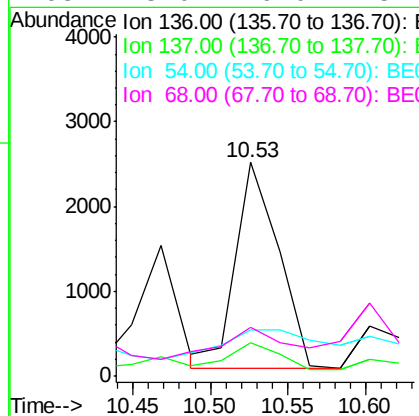
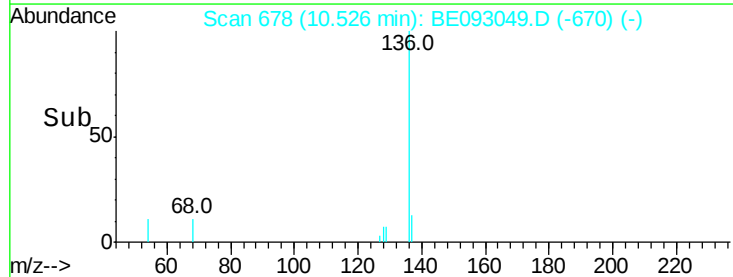
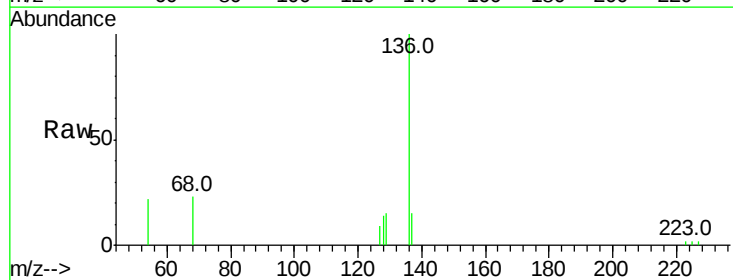
Instrument :
 BNA_E
 ClientSampleId :

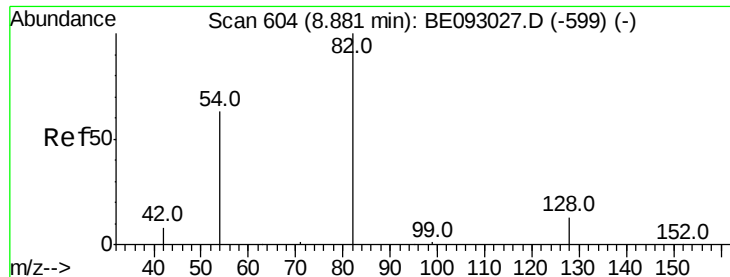
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 0.0
 71 0.0



#7
 Naphthalene-d8
 Concen: 0.40 ng
 RT: 10.53 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BE093049.D
 Acq: 16 May 2017 12:12

Tgt Ion: 136 Resp: 4697
 Ion Ratio Lower Upper
 136 100
 137 15.3 9.8 14.8#
 54 21.6 10.3 15.5#
 68 23.0 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.75 na

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampled :

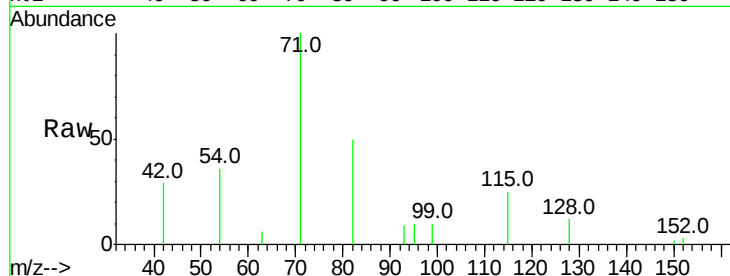
Tot Ion: 82 Resp: 3074

Ion Ratio Lower Upper

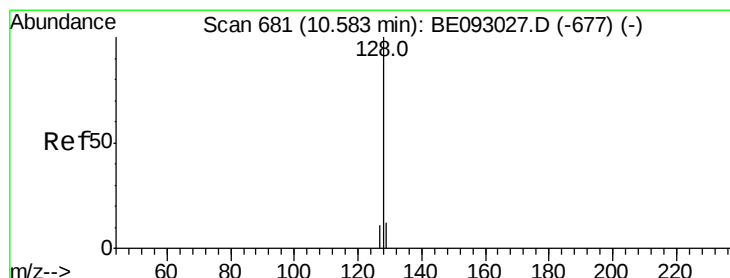
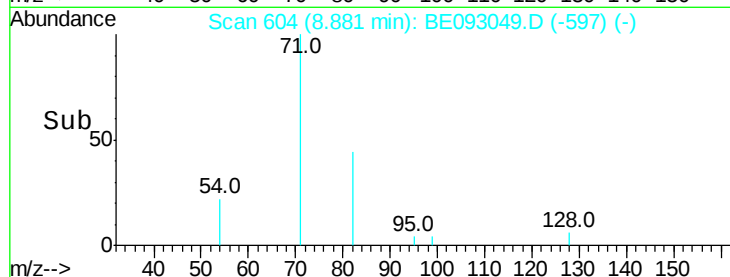
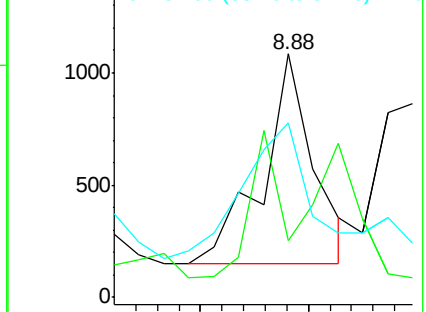
82 100

128 23.4 17.0 25.4

54 71.5 53.8 80.6



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 62.58 ng

RT: 10.58 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

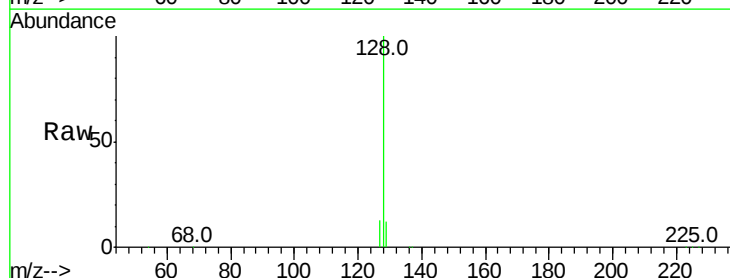
Tgt Ion: 128 Resp: 774310

Ion Ratio Lower Upper

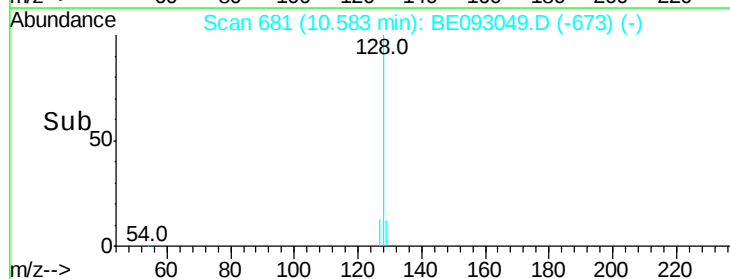
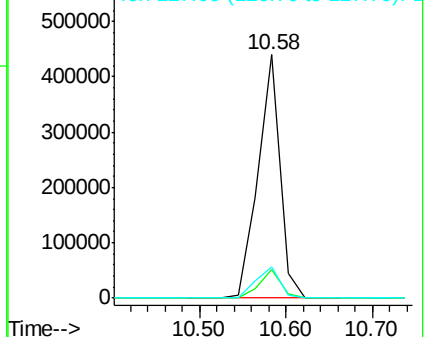
128 100

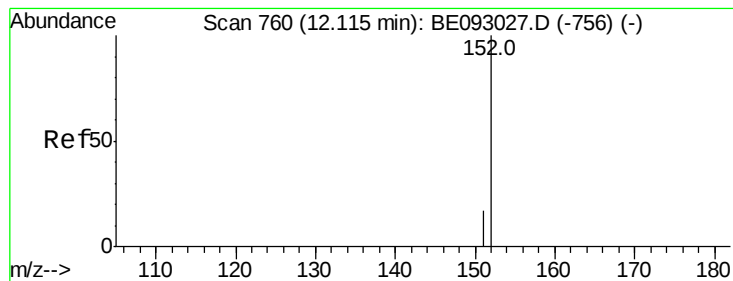
129 11.6 11.4 17.0

127 12.5 11.2 16.8



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





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

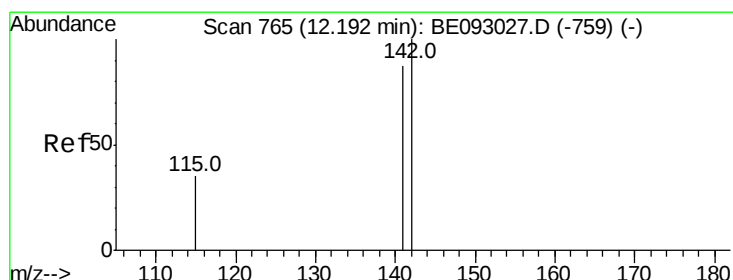
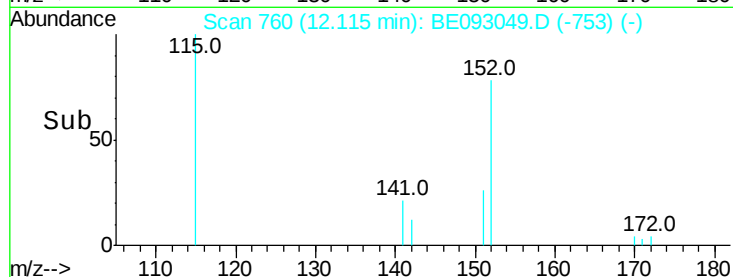
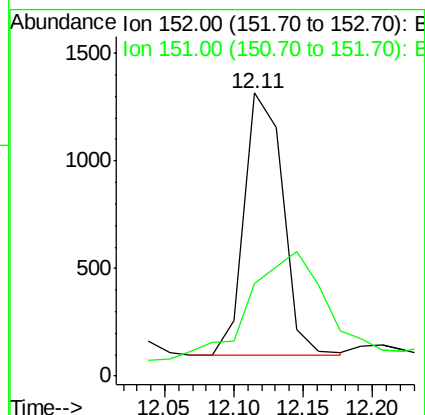
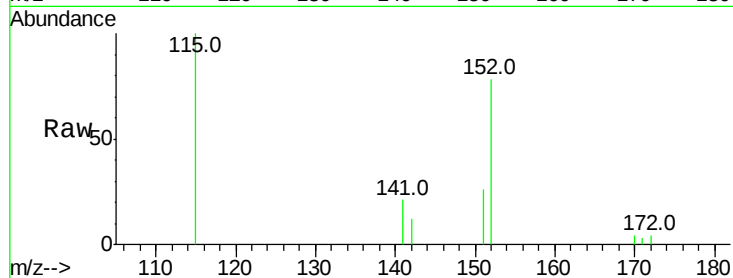
ClientSampleId :

Tot Ion:152 Resp: 2399

Ion Ratio Lower Upper

152 100

151 0.0 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 9.27 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

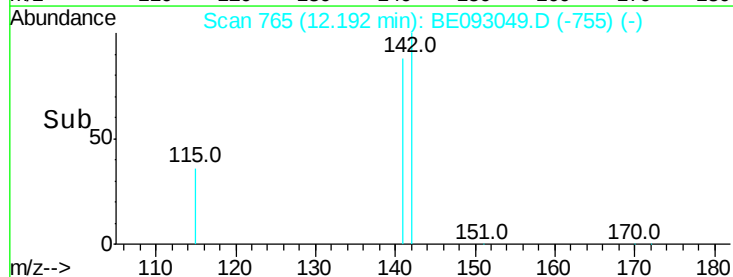
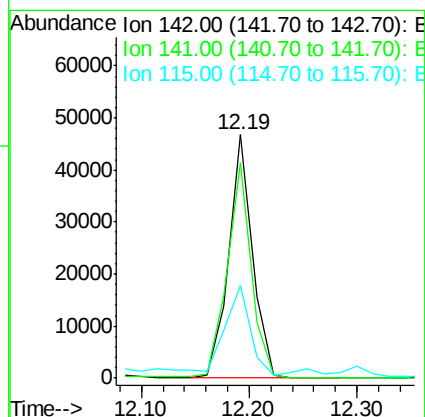
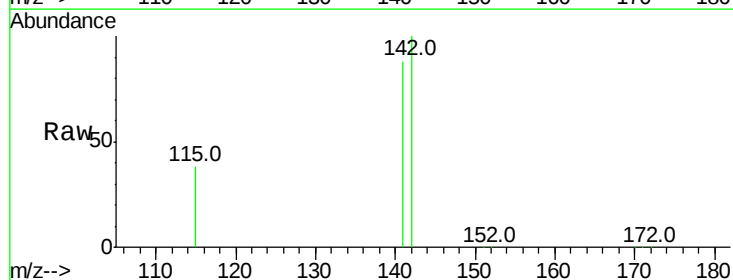
Tgt Ion:142 Resp: 71108

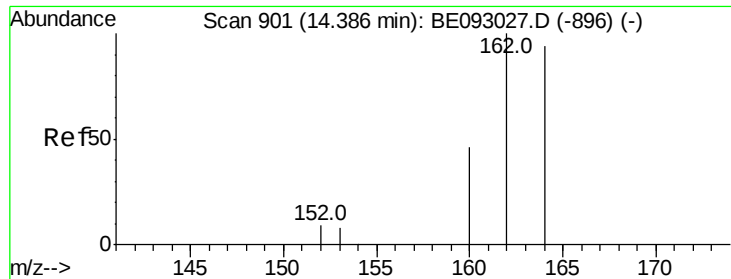
Ion Ratio Lower Upper

142 100

141 88.3 72.6 108.8

115 37.8 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampleId :

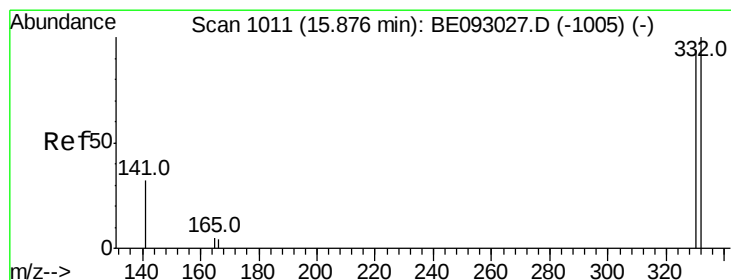
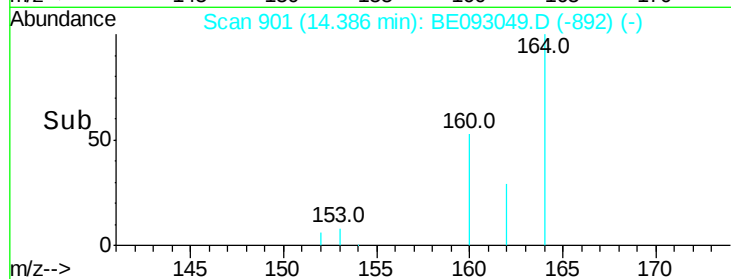
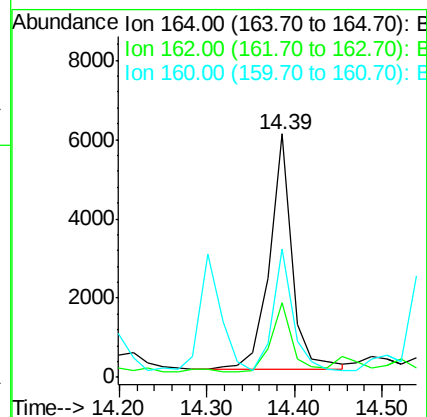
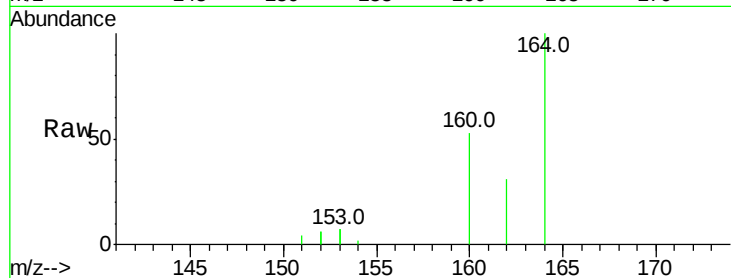
Tot Ion:164 Resp: 10713

Ion Ratio Lower Upper

164 100

162 30.8 84.6 127.0#

160 52.5 41.8 62.6



#14

2,4,6-Tribromophenol

Concen: 0.12 ng

RT: 15.86 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

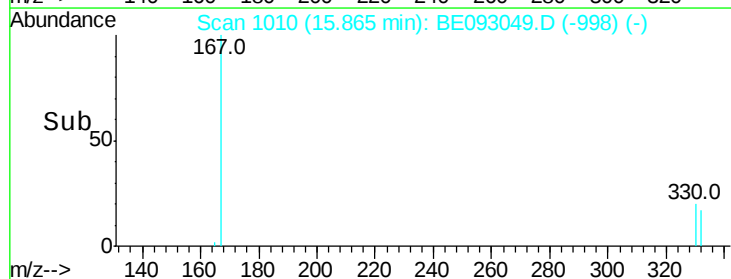
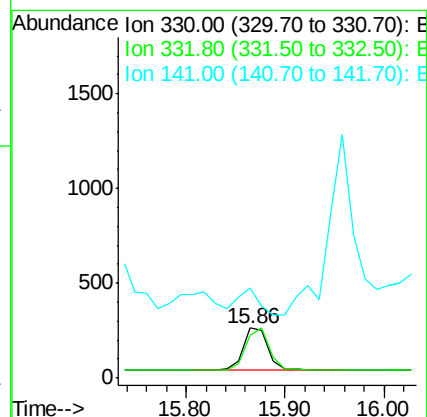
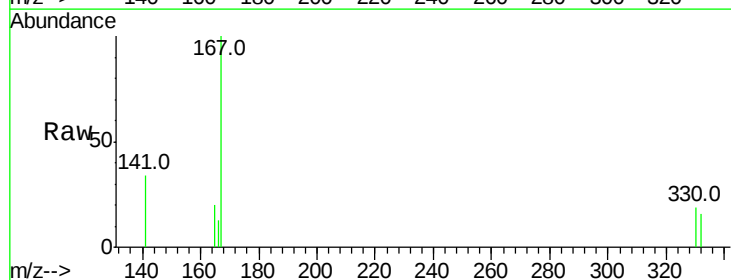
Tgt Ion:330 Resp: 376

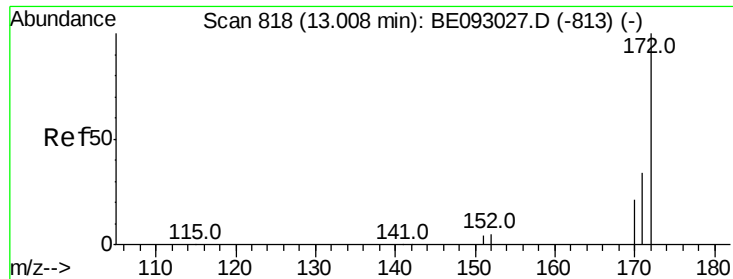
Ion Ratio Lower Upper

330 100

332 95.5 77.7 116.5

141 54.3 56.2 84.4#

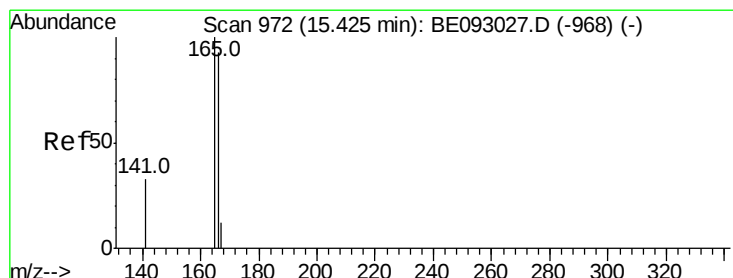
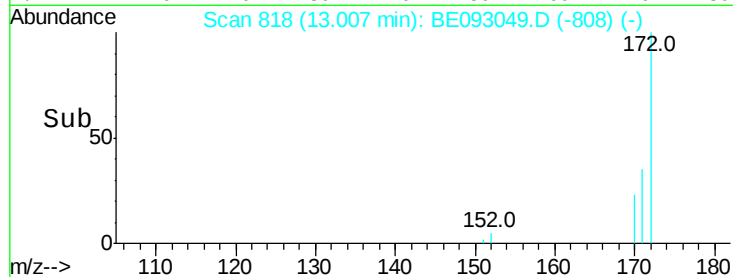
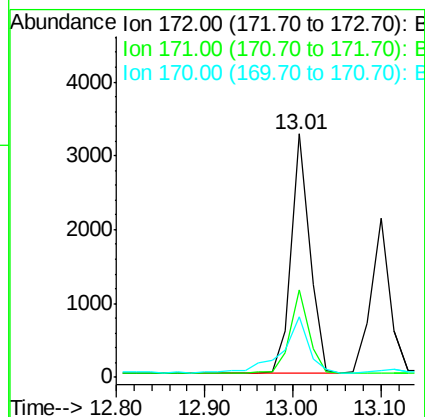
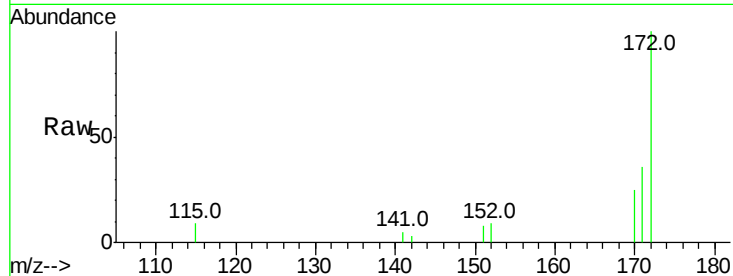




#15
2-Fluorobiphenyl
Concen: 0.11 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093049.D
Acq: 16 May 2017 12:12

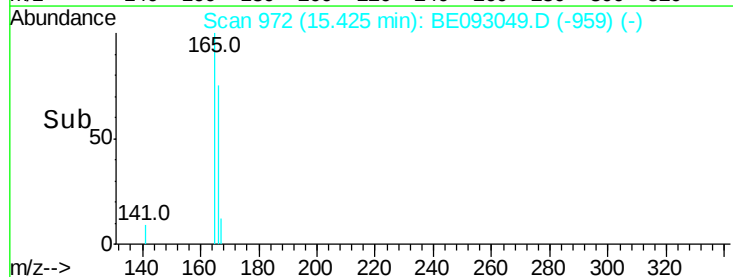
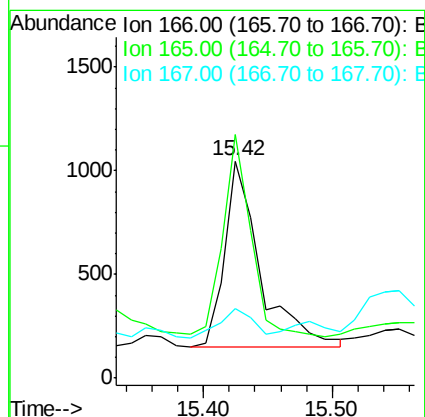
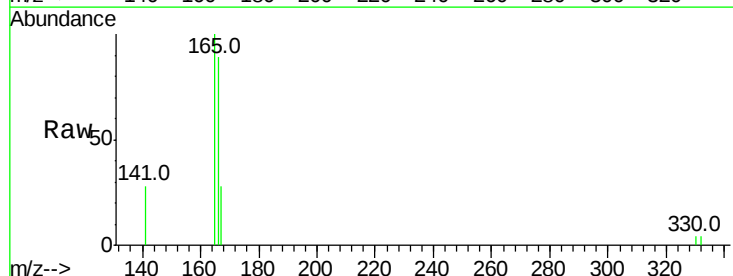
Instrument :
BNA_E
ClientSampleId :

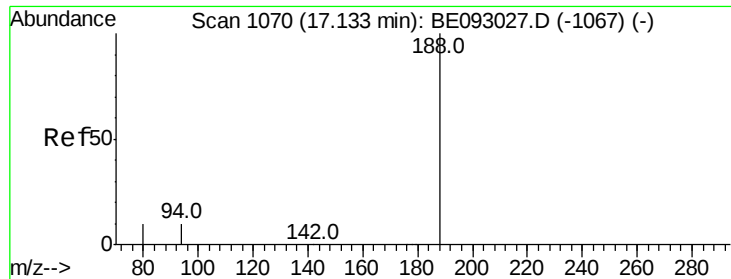
Tot Ion:172 Resp: 4727
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.6
170 24.8 20.7 31.1



#18
Fluorene
Concen: 0.04 ng
RT: 15.42 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE093049.D
Acq: 16 May 2017 12:12

Tgt Ion:166 Resp: 1748
Ion Ratio Lower Upper
166 100
165 83.2 78.6 117.8
167 15.6 11.1 16.7

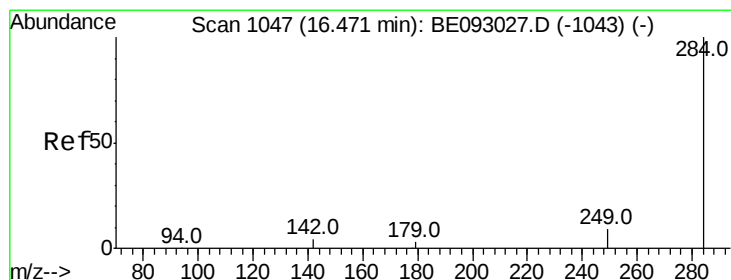
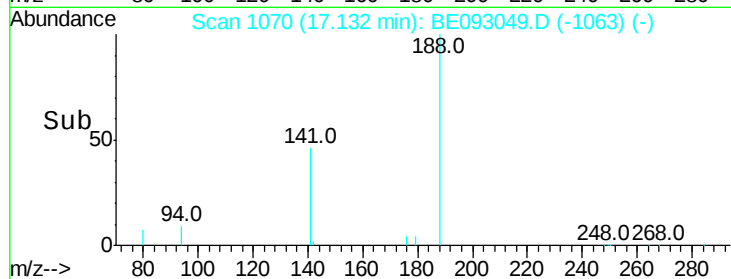
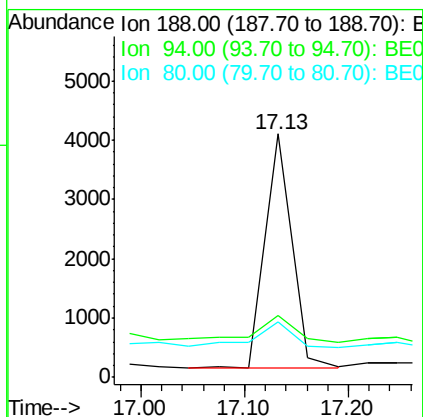
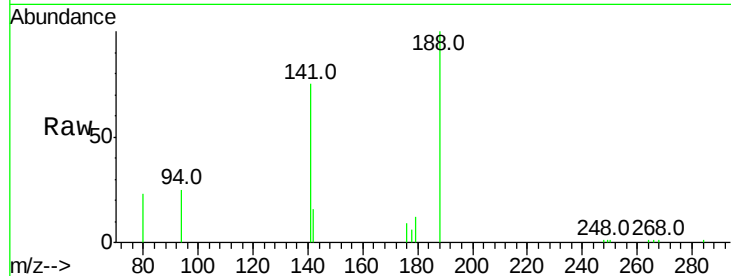




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE093049.D
Acq: 16 May 2017 12:12

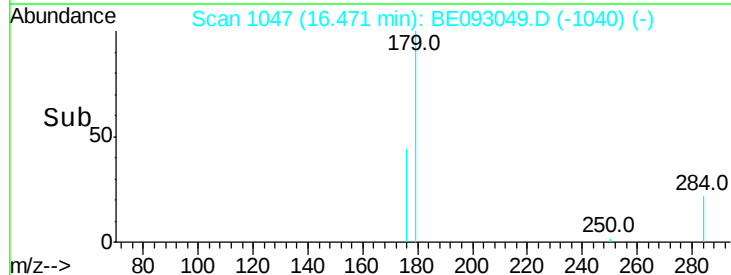
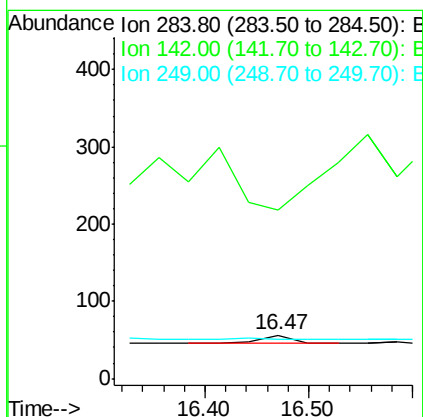
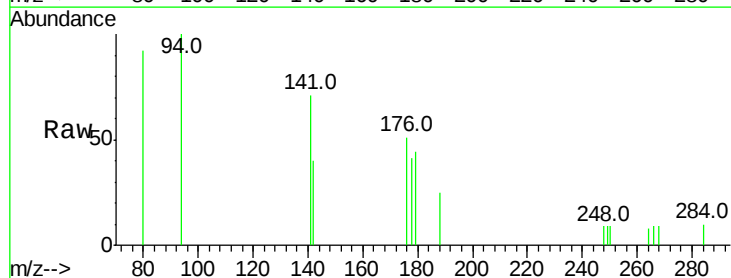
Instrument :
BNA_E
ClientSampled :

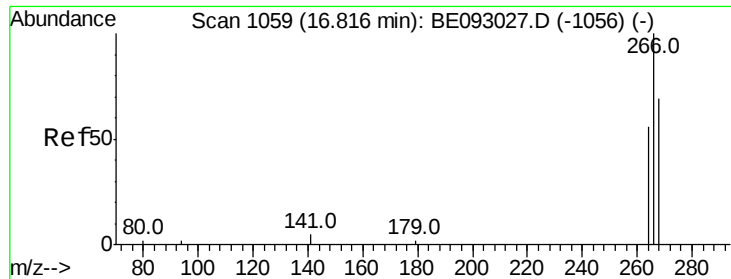
Tot Ion:188 Resp: 7192
Ion Ratio Lower Upper
188 100
94 25.3 11.3 16.9#
80 22.6 11.7 17.5#



#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.47 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BE093049.D
Acq: 16 May 2017 12:12

Tgt Ion:284 Resp: 19
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0





#22

Pentachlorophenol

Concen: 0.04 ng

RT: 16.82 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampleId :

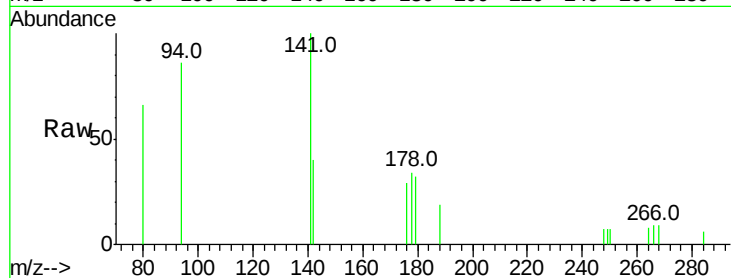
Tot Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

264 83.8 58.2 87.2

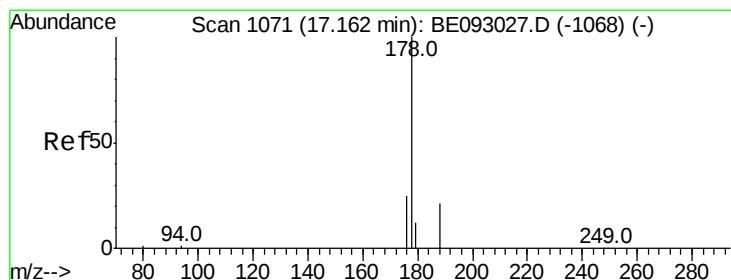
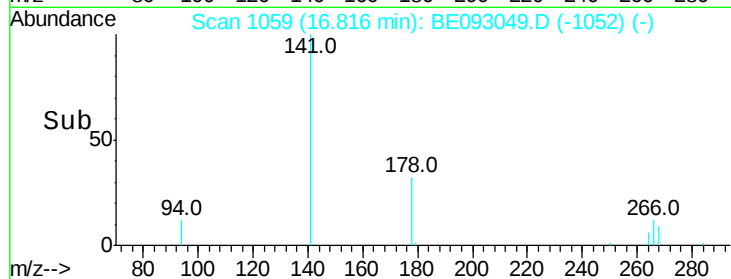
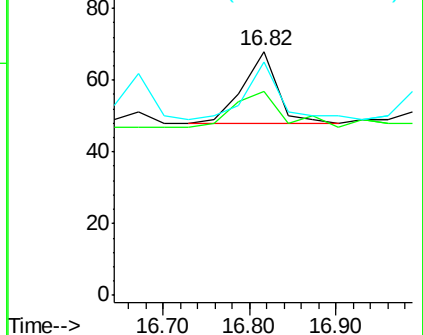
268 95.6 71.9 107.9



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



#23

Phenanthrene

Concen: Below Cal

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

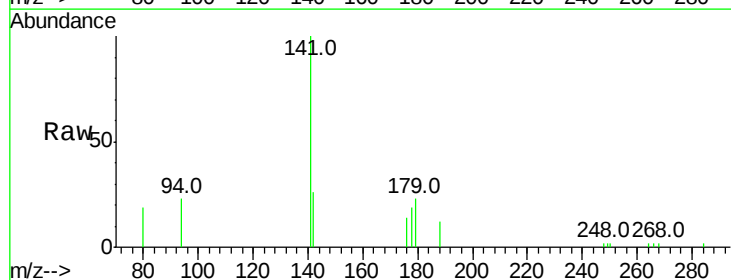
Tgt Ion:178 Resp: 715

Ion Ratio Lower Upper

178 100

176 114.0 15.0 22.4#

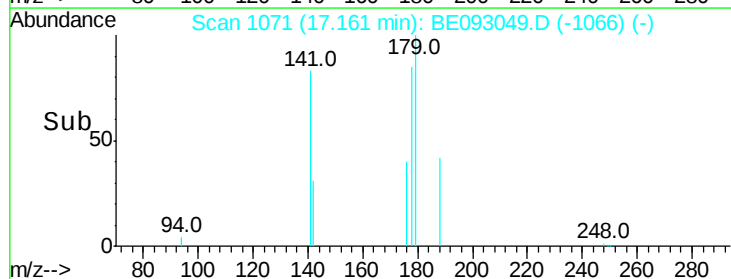
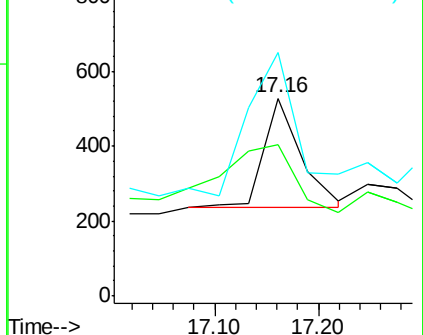
179 178.5 12.7 19.1#

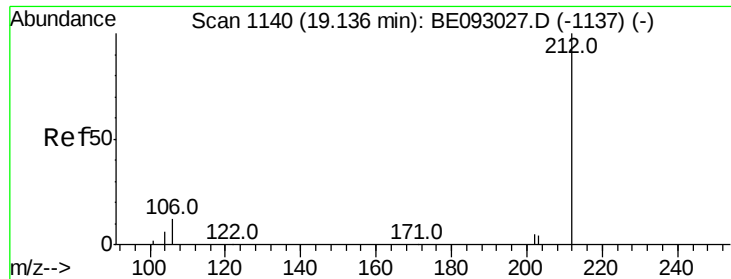


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

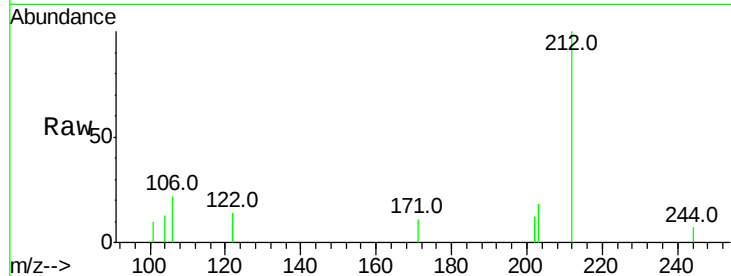




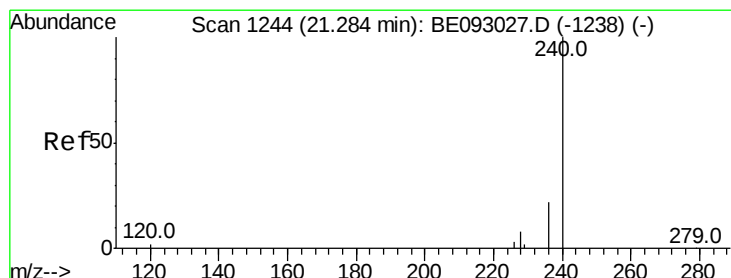
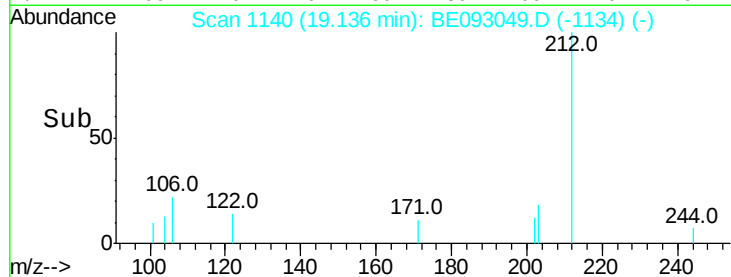
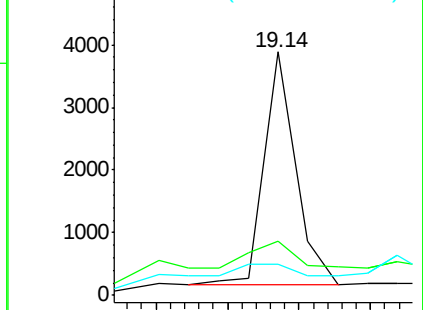
#25
 Fluoranthene-d10
 Concen: 0.30 ng
 RT: 19.14 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BE093049.D
 Acq: 16 May 2017 12:12

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:212 Resp: 5688
 Ion Ratio Lower Upper
 212 100
 106 17.2 0.0 0.0#
 104 8.2 0.0 0.0#

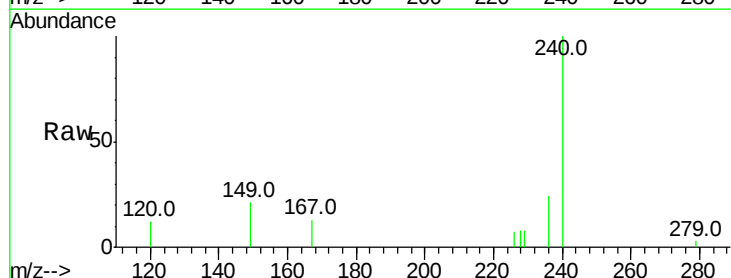


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

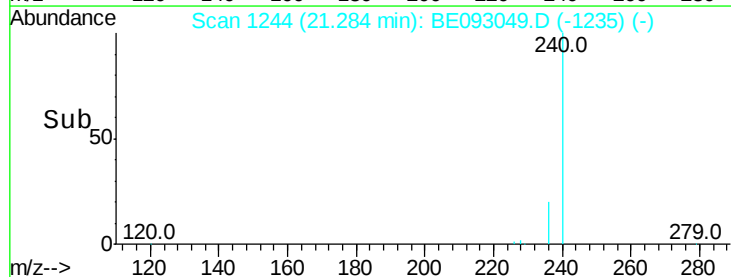
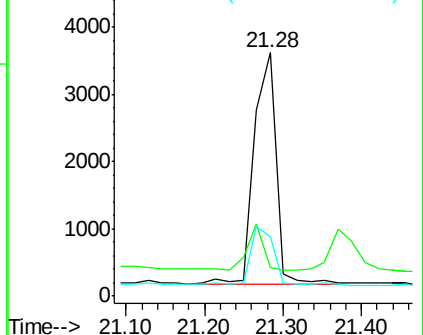


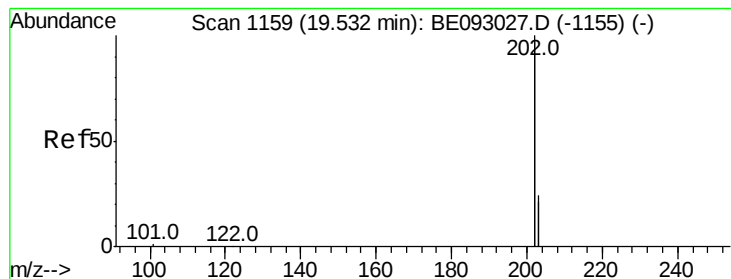
#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.28 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: BE093049.D
 Acq: 16 May 2017 12:12

Tgt Ion:240 Resp: 6729
 Ion Ratio Lower Upper
 240 100
 120 11.8 4.6 7.0#
 236 24.2 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: 0.03 ng

RT: 19.51 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampleId :

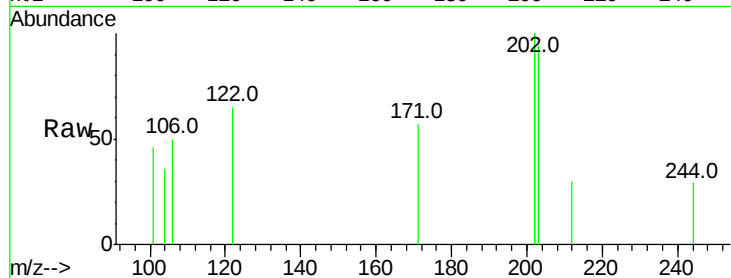
Tot Ion:202 Resp: 2658

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

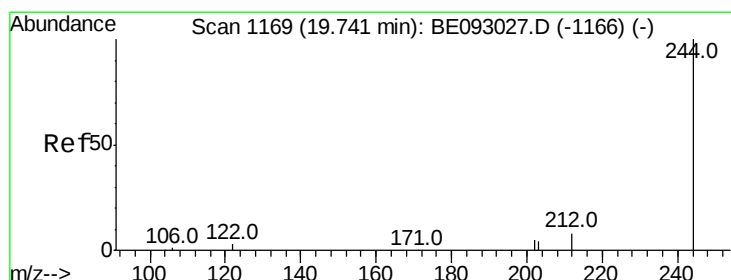
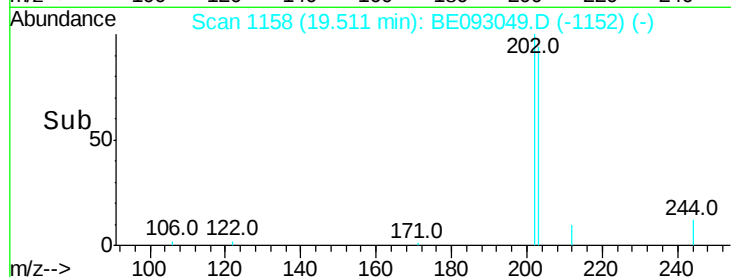
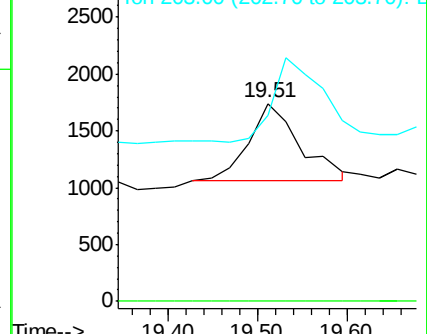
203 0.0 13.7 20.5#



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: 0.56 ng

RT: 19.74 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

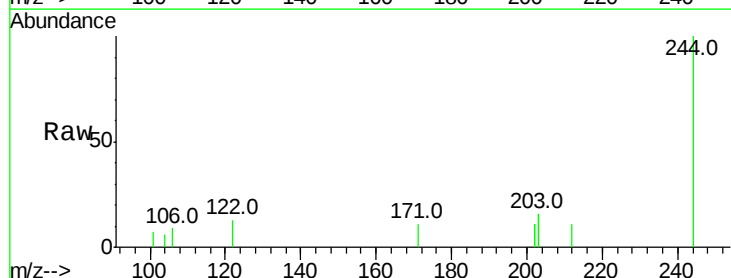
Tgt Ion:244 Resp: 6982

Ion Ratio Lower Upper

244 100

212 10.7 10.6 16.0

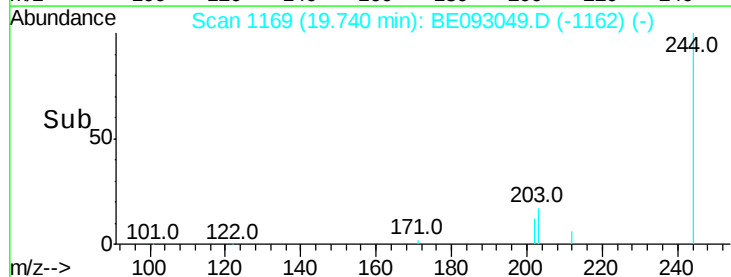
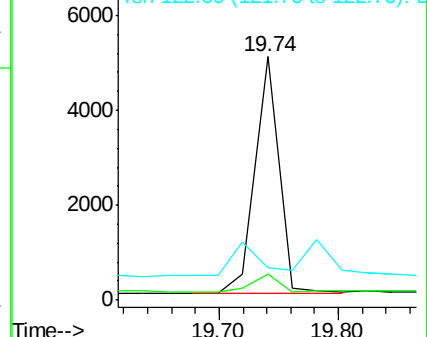
122 13.1 15.4 23.0#

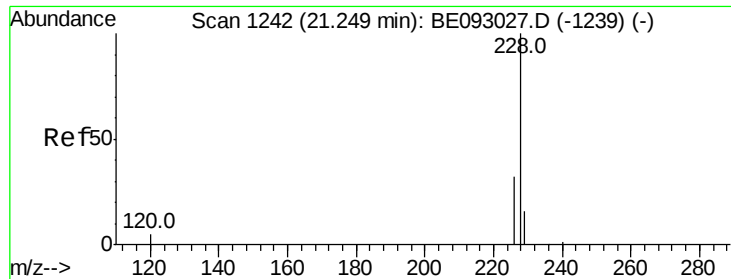


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampled :

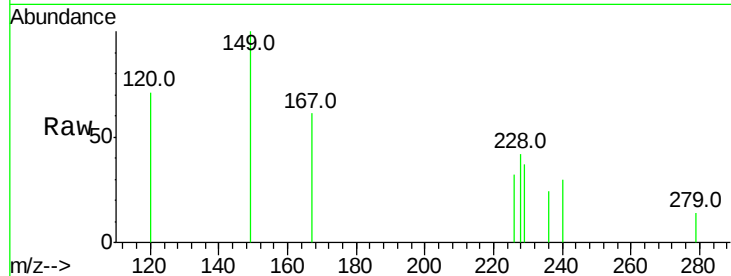
Tot Ion:228 Resp: 402

Ion Ratio Lower Upper

228 100

226 74.3 19.7 29.5#

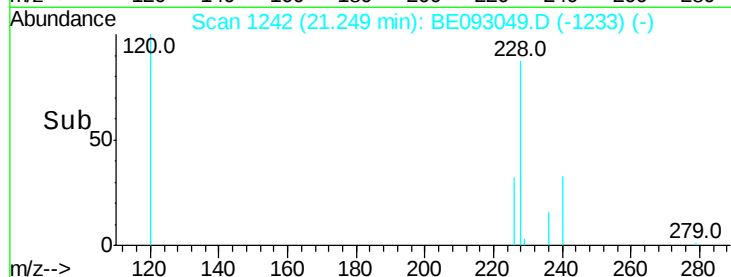
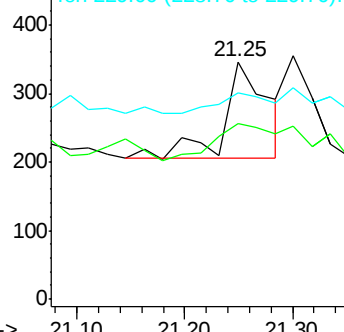
229 87.0 19.2 28.8#



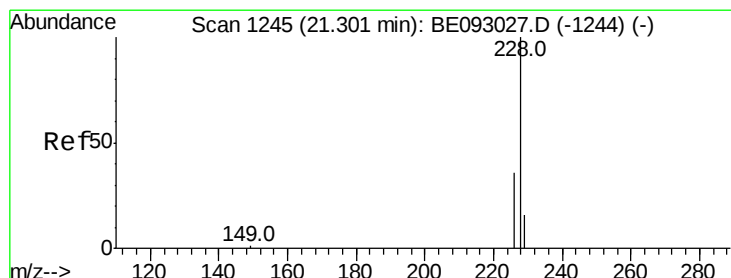
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#31

Chrysene

Concen: 0.02 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.05 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

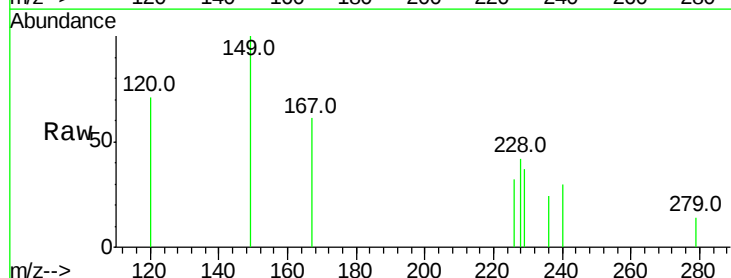
Tgt Ion:228 Resp: 402

Ion Ratio Lower Upper

228 100

226 74.3 21.5 32.3#

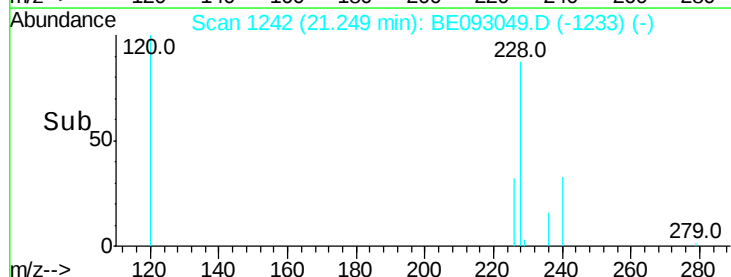
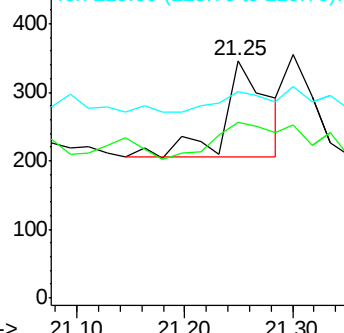
229 87.0 18.6 28.0#



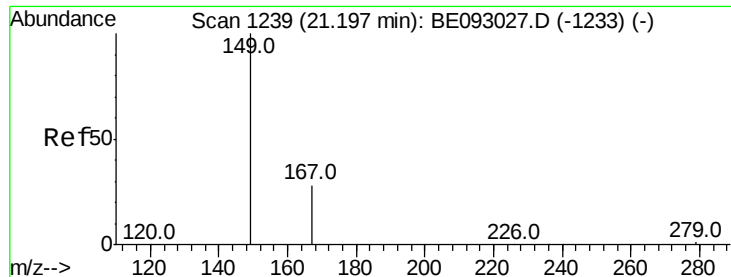
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.29 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Instrument :

BNA_E

ClientSampleId :

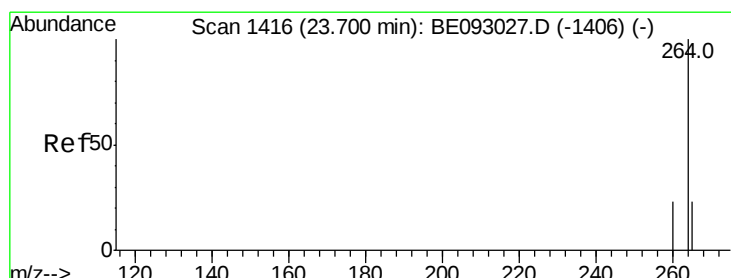
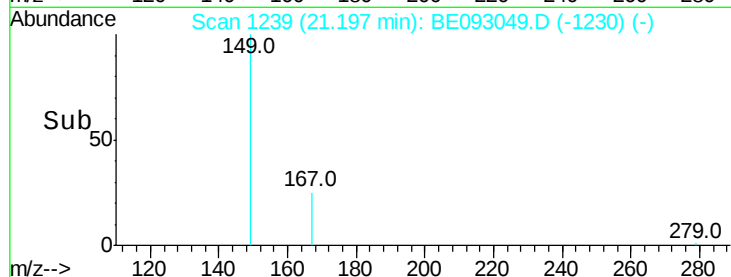
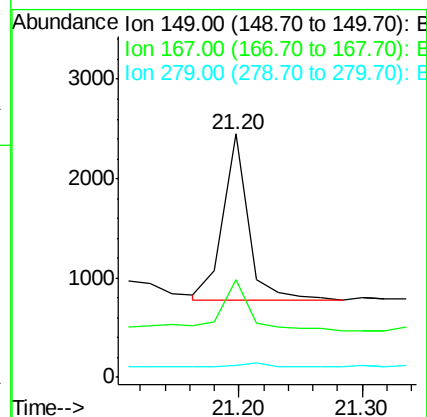
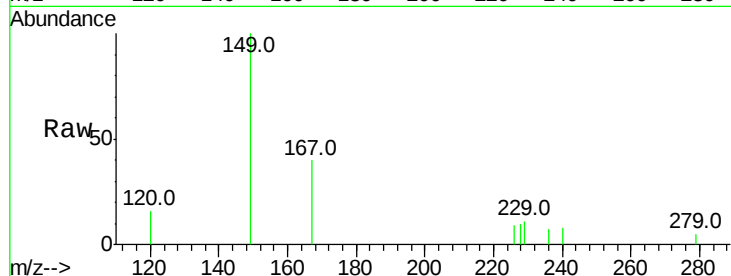
Tot Ion:149 Resp: 2420

Ion Ratio Lower Upper

149 100

167 38.0 20.1 30.1#

279 3.8 2.2 3.4#



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.69 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BE093049.D

Acq: 16 May 2017 12:12

Tgt Ion:264 Resp: 5728

Ion Ratio Lower Upper

264 100

260 27.7 21.0 31.4

265 28.7 24.6 36.8

