

Data Path : Z:\HPCHEM1\BNA E\Data\BE051917\
 Data File : BE093056.D
 Acq On : 19 May 2017 12:09
 Operator : SJ/MA
 Sample : PB99051BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 19 17:52:56 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	880	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3391	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	1412	0.40	ng	0.02
19) Phenanthrene-d10	17.16	188	2979	0.40	ng	0.03
27) Chrysene-d12	21.28	240	3984	0.40	ng	0.00
34) Perylene-d12	23.70	264	3727	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	636	0.24	ng	0.00
5) Phenol-d6	6.92	99	861	0.24	ng	0.00
8) Nitrobenzene-d5	8.88	82	708	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	1102	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	115	0.28	ng	0.01
15) 2-Fluorobiphenyl	13.01	172	1503	0.26	ng	0.00
25) Fluoranthene-d10	19.14	212	2199	0.28	ng	0.00
29) Terphenyl-d14	19.74	244	2014	0.27	ng	0.00

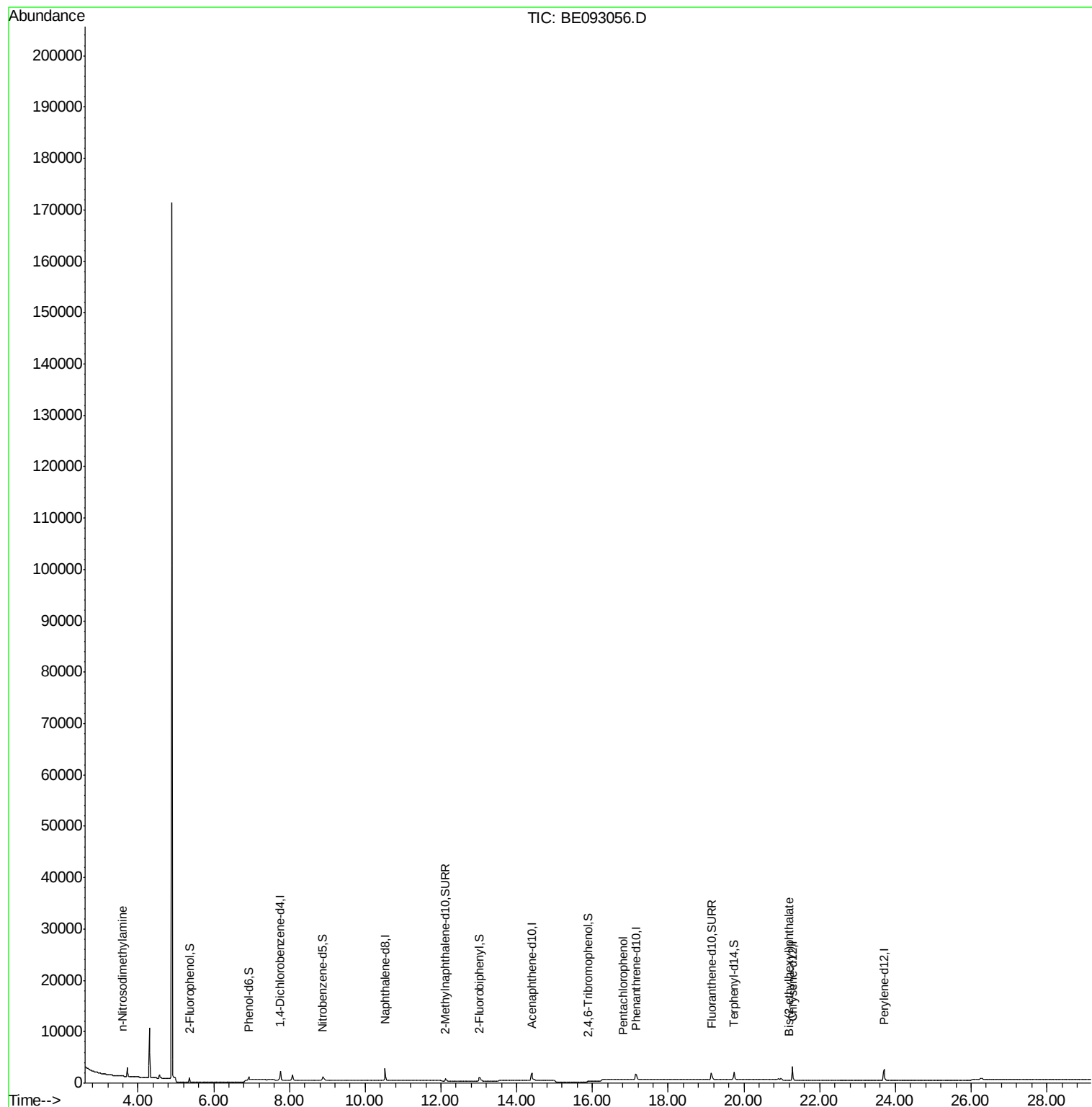
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	3	Below Cal	#	20
3) n-Nitrosodimethylamine	3.60	42	33	0.02 ng	#	8
21) Hexachlorobenzene	16.50	284	2	Below Cal	#	100
22) Pentachlorophenol	16.82	266	35	0.08 ng	#	85
23) Phenanthrene	17.19	178	17	Below Cal	#	74
24) Anthracene	17.28	178	5	Below Cal	#	61
32) Bis(2-ethylhexyl)phthalate	21.20	149	66	0.08 ng	#	84

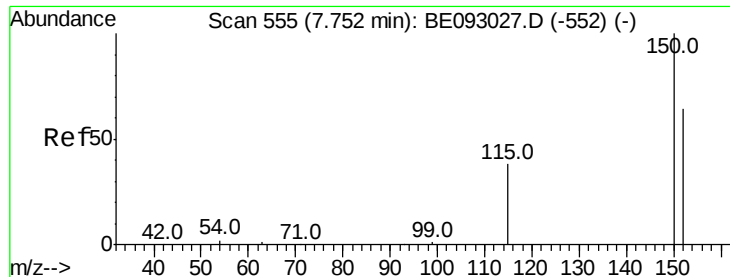
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

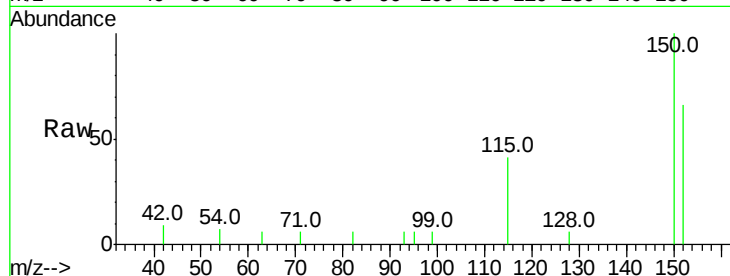
Tot Ion:152 Resp: 880

Ion Ratio Lower Upper

152 100

150 151.2 125.1 187.7

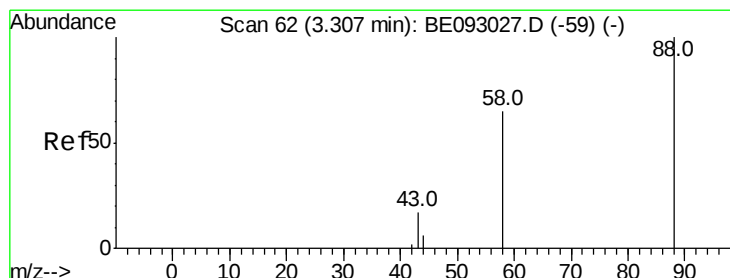
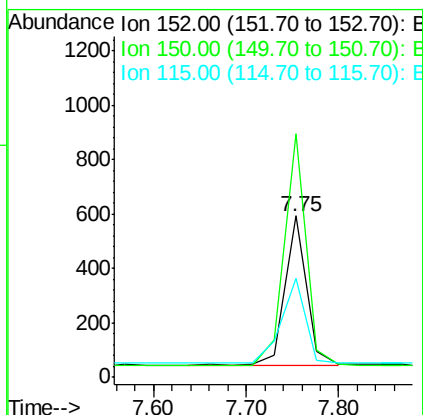
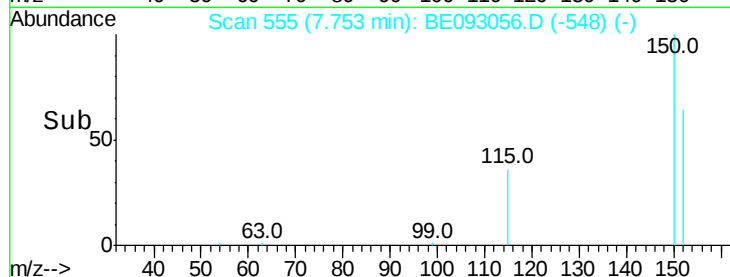
115 61.3 55.7 83.5



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: Below Cal

RT: 3.39 min Scan# 69

Delta R.T. 0.08 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

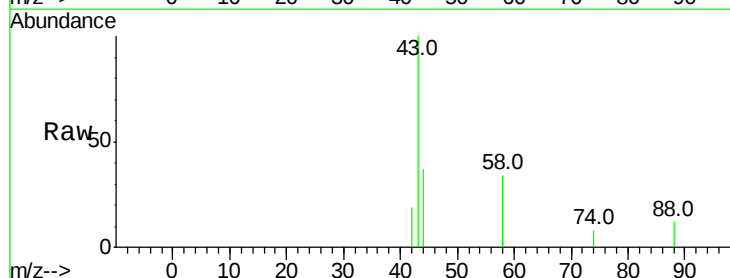
Tgt Ion: 88 Resp: 3

Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

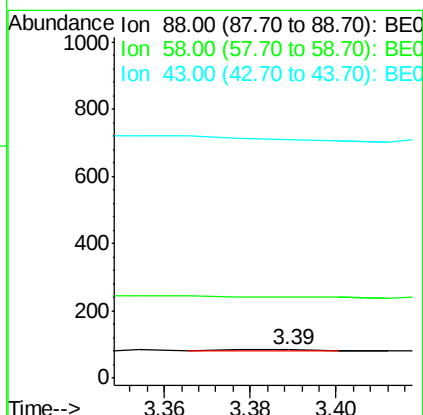
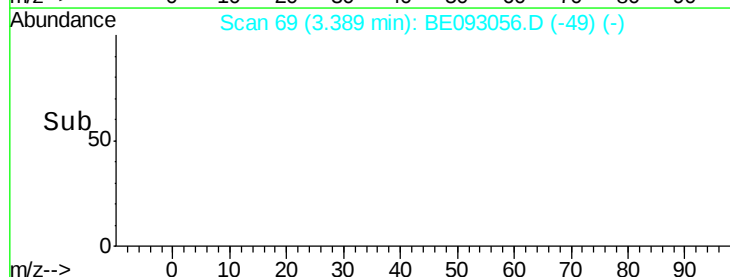
43 0.0 23.2 34.8#

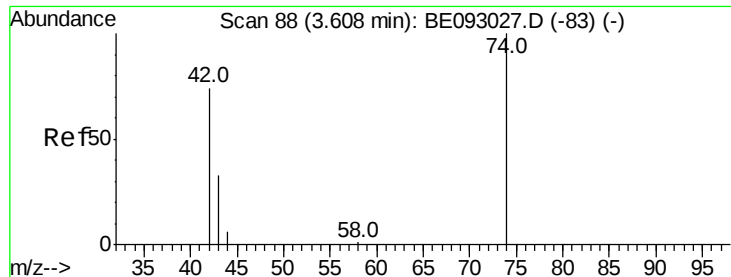


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

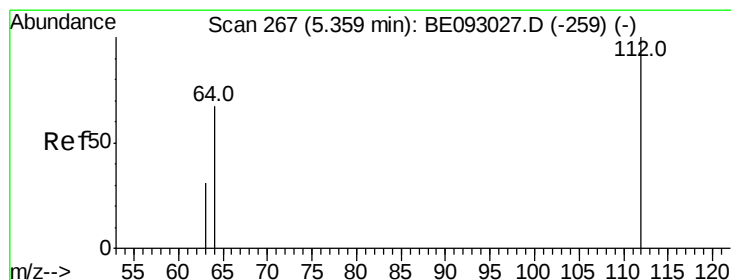
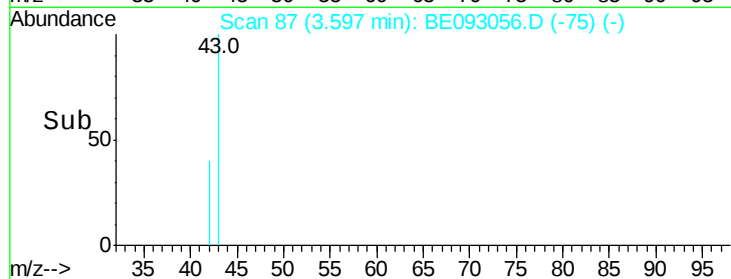
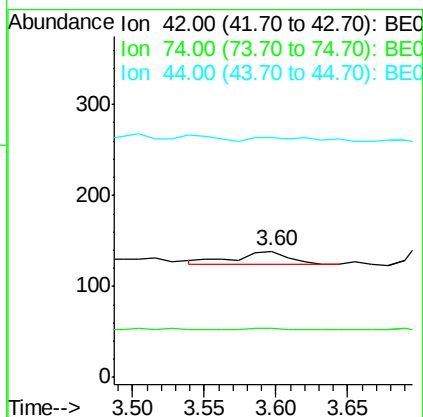
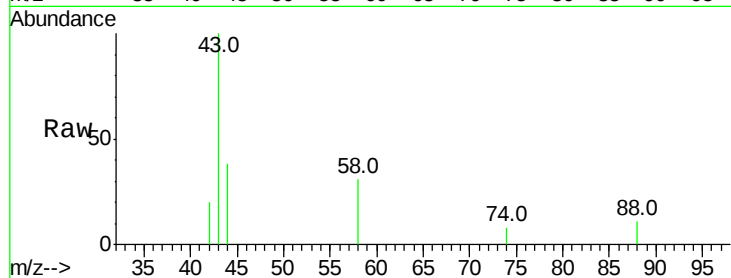




#3
n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 3.60 min Scan# 87
Delta R.T. -0.01 min
Lab File: BE093056.D
Acq: 19 May 2017 12:09

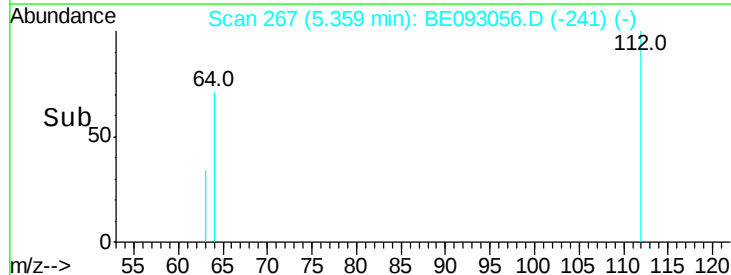
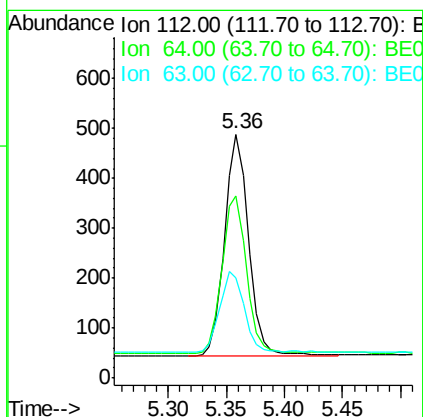
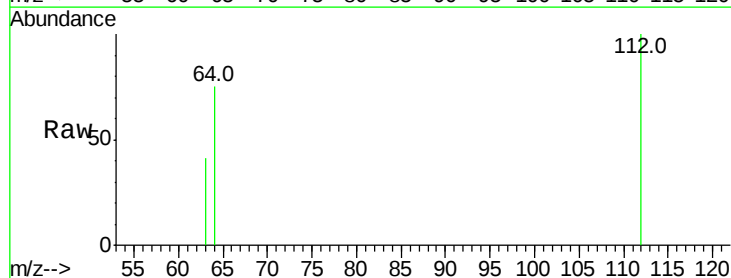
Instrument :
BNA_E
ClientSampleId :

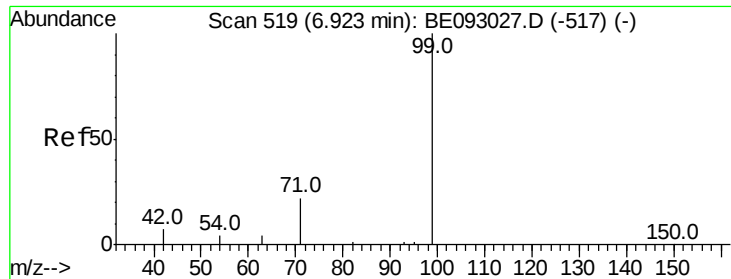
Tot Ion: 42 Resp: 33
Ion Ratio Lower Upper
42 100
74 21.2 99.1 148.7#
44 51.5 7.4 11.2#



#4
2-Fluorophenol
Concen: 0.24 ng
RT: 5.36 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE093056.D
Acq: 19 May 2017 12:09

Tgt Ion: 112 Resp: 636
Ion Ratio Lower Upper
112 100
64 72.6 56.4 84.6
63 36.3 29.3 43.9





#5

Phenol-d6

Concen: 0.24 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

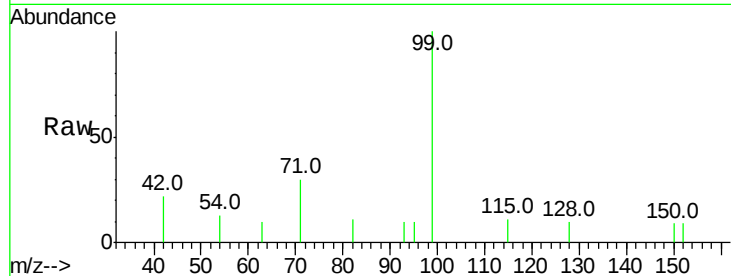
Tot Ion: 99 Resp: 861

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

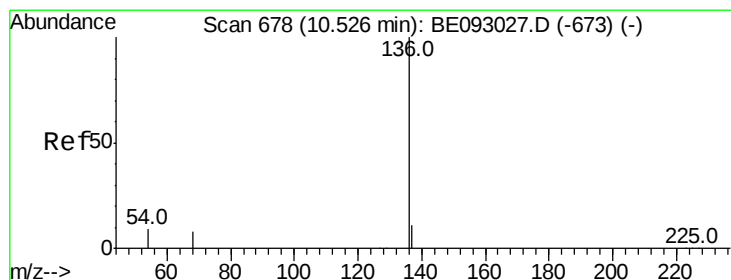
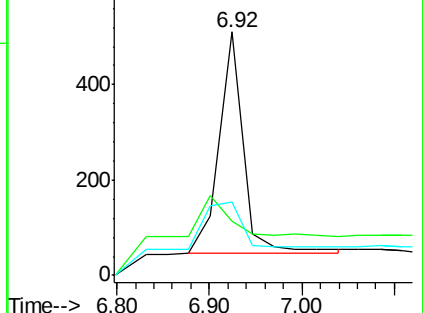
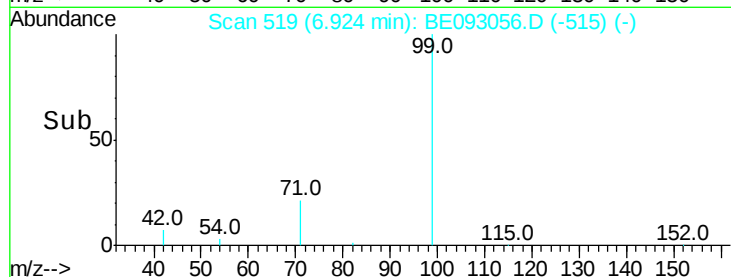
71 33.9 0.0 0.0#



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



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Tgt Ion: 136 Resp: 3391

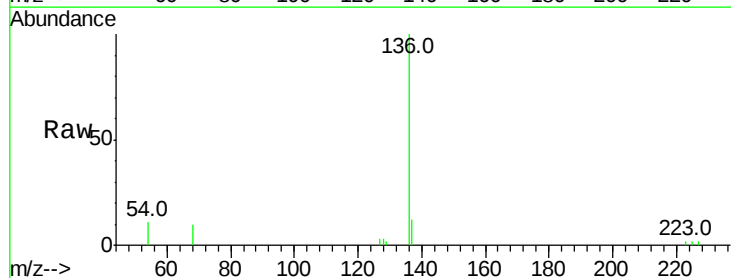
Ion Ratio Lower Upper

136 100

137 12.4 9.8 14.8

54 10.7 10.3 15.5

68 9.7 9.0 13.4

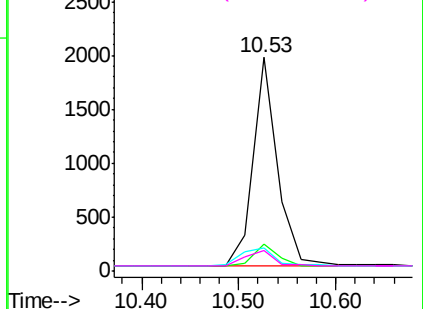
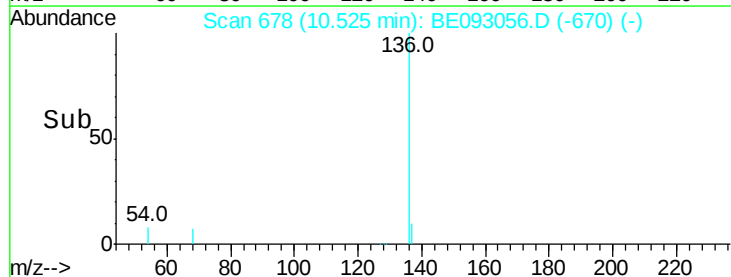


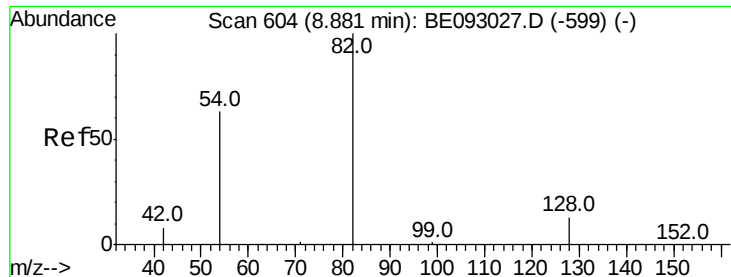
Abundance Ion 136.00 (135.70 to 136.70): E

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

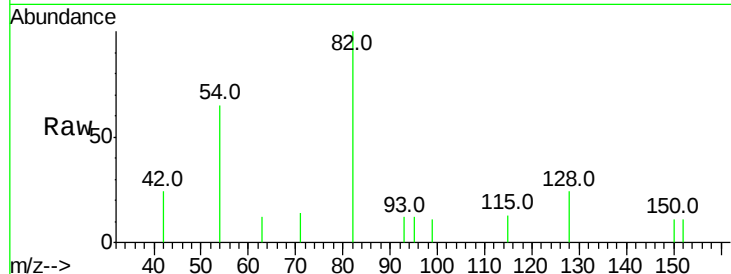




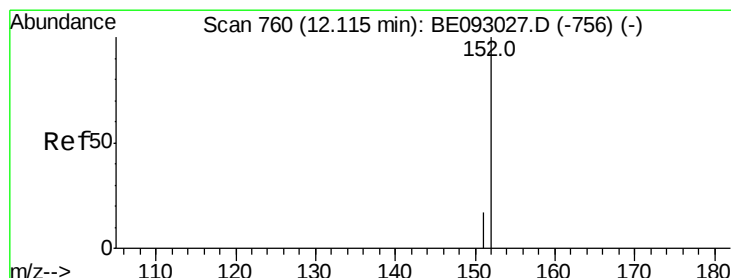
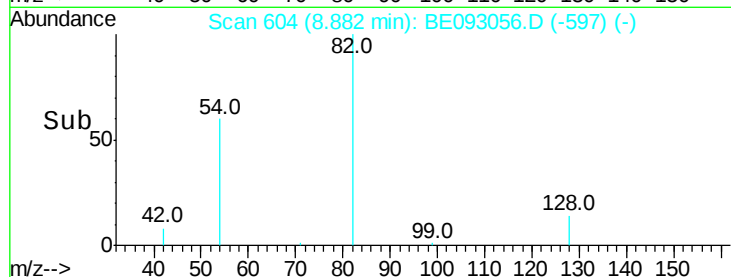
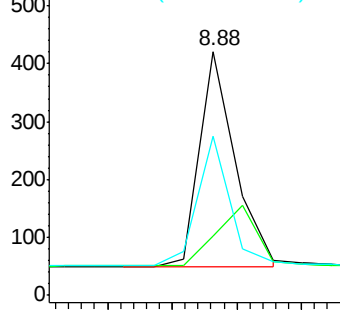
#8
 Nitrobenzene-d5
 Concen: 0.24 ng
 RT: 8.88 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BE093056.D
 Acq: 19 May 2017 12:09

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 82 Resp: 708
 Ion Ratio Lower Upper
 82 100
 128 24.5 17.0 25.4
 54 65.3 53.8 80.6

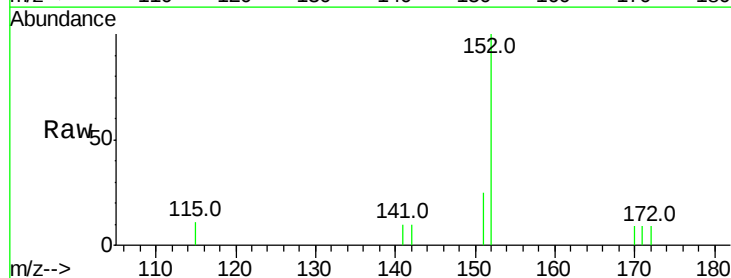


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

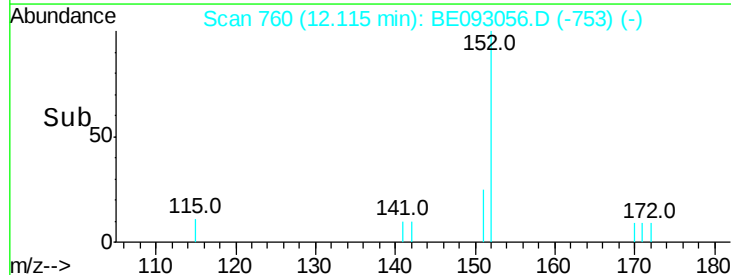
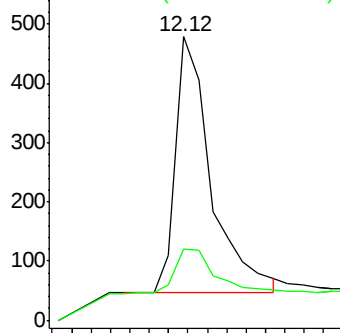


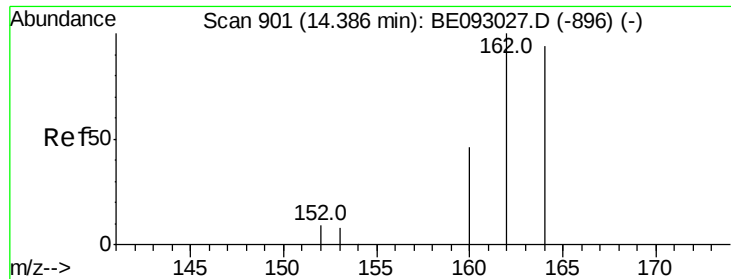
#11
 2-Methylnaphthalene-d10
 Concen: 0.22 ng
 RT: 12.12 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BE093056.D
 Acq: 19 May 2017 12:09

Tgt Ion: 152 Resp: 1102
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE
 Ion 151.00 (150.70 to 151.70): BE





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.40 min Scan# 902

Delta R.T. 0.02 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

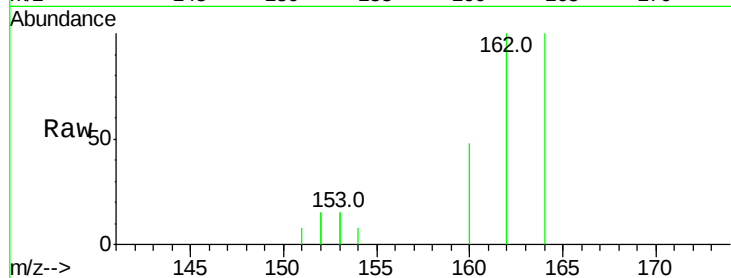
Tot Ion:164 Resp: 1412

Ion Ratio Lower Upper

164 100

162 100.3 84.6 127.0

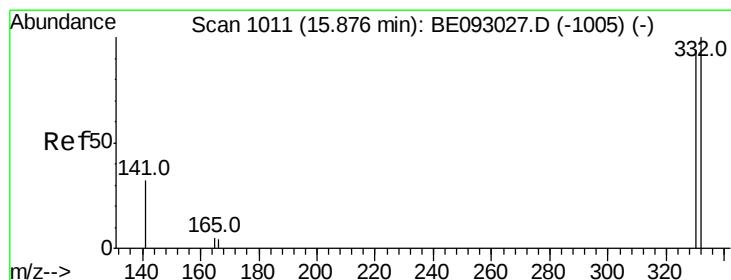
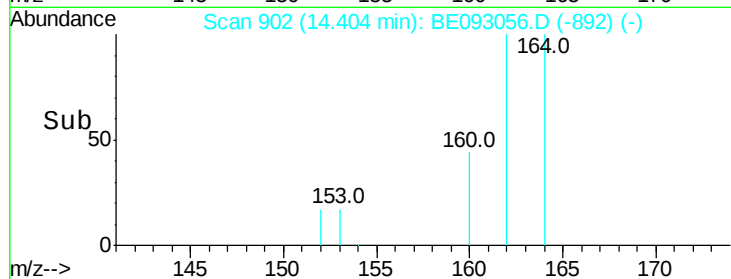
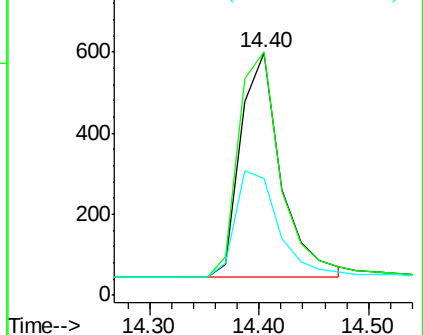
160 48.2 41.8 62.6



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: 0.28 ng

RT: 15.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

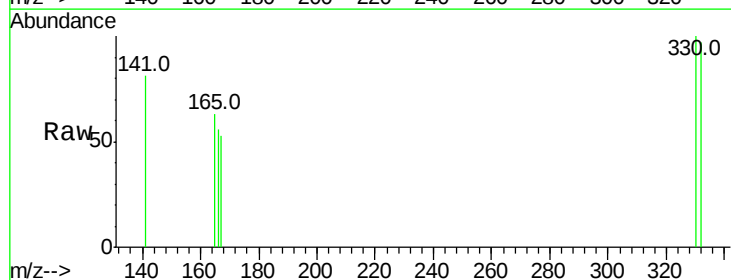
Tgt Ion:330 Resp: 115

Ion Ratio Lower Upper

330 100

332 93.9 77.7 116.5

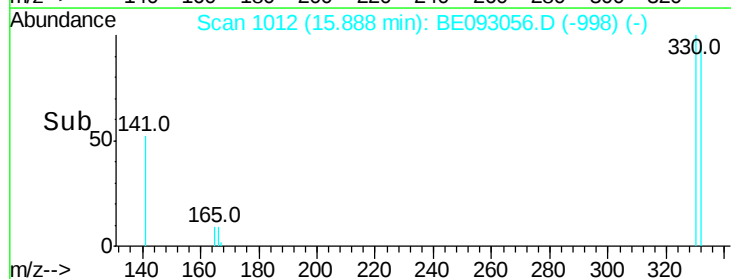
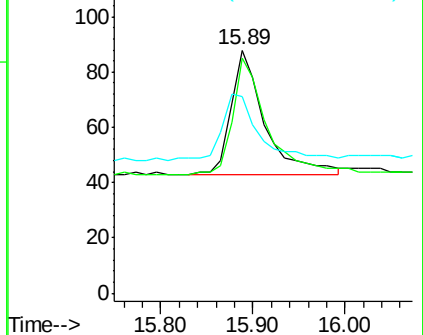
141 60.0 56.2 84.4

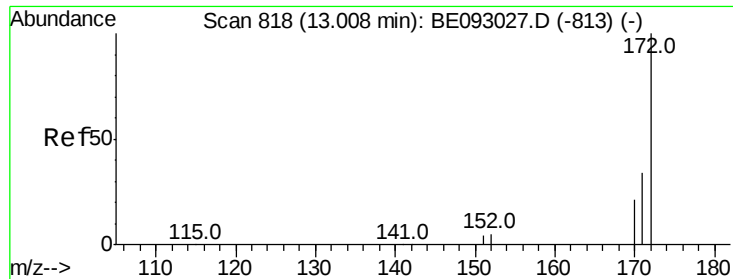


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.26 ng

RT: 13.01 min Scan# 818

Delta R.T. 0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

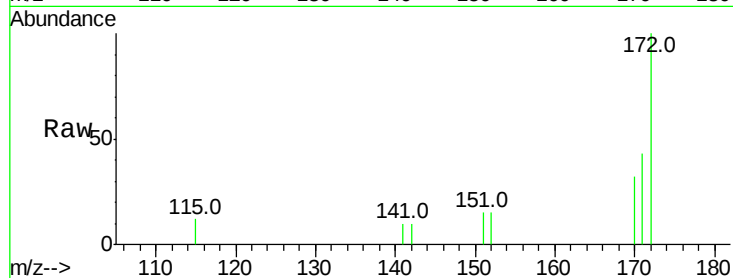
Tot Ion:172 Resp: 1503

Ion Ratio Lower Upper

172 100

171 42.8 29.8 44.6

170 31.6 20.7 31.1#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

13.01

400

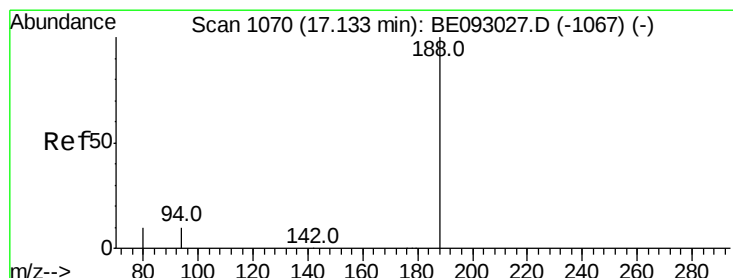
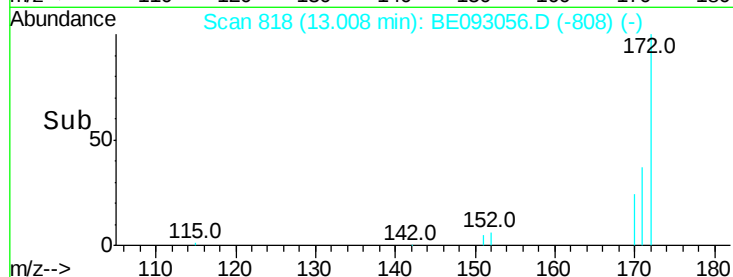
300

200

100

0

Time--> 12.90 13.00 13.10



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.16 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

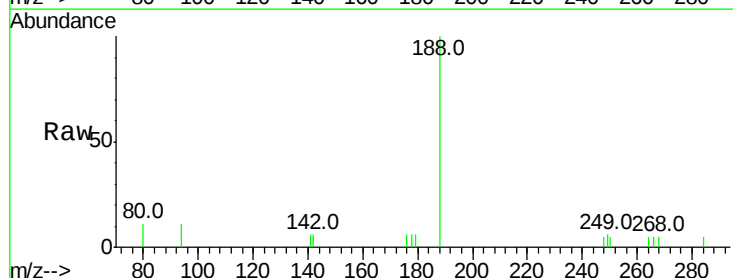
Tgt Ion:188 Resp: 2979

Ion Ratio Lower Upper

188 100

94 10.7 11.3 16.9#

80 10.8 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

17.16

1200

1000

800

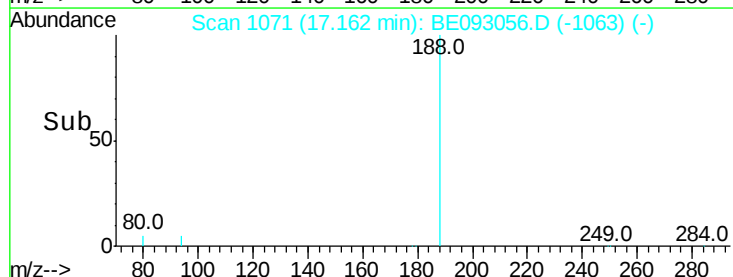
600

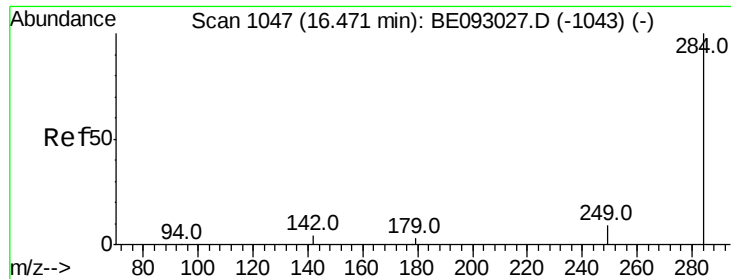
400

200

0

Time--> 17.00 17.10 17.20 17.30

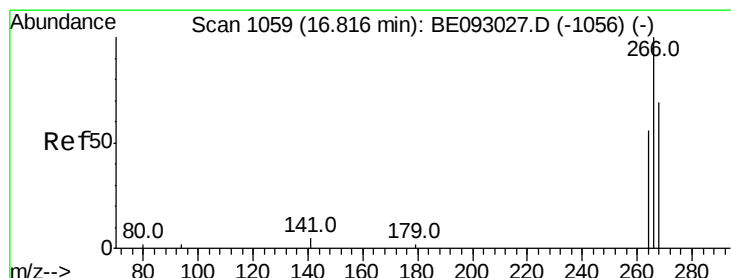
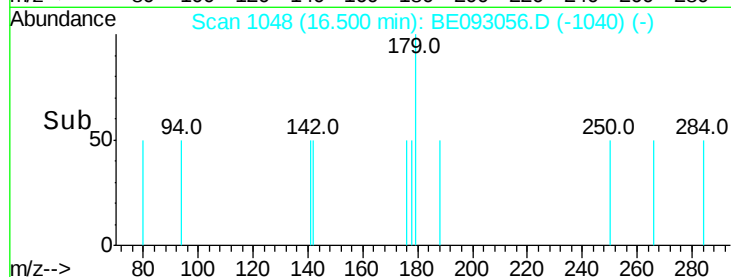
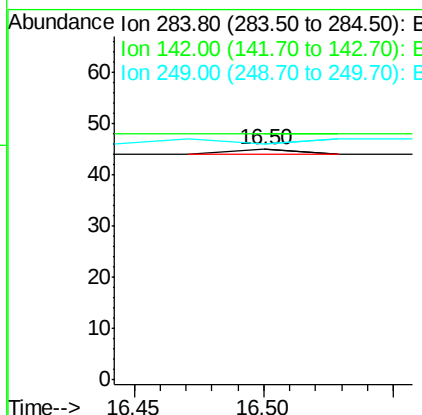
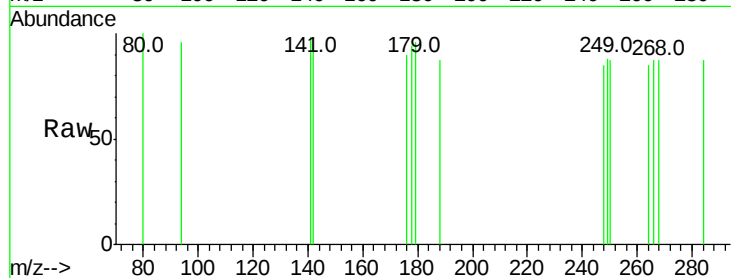




#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.50 min Scan# 1048
Delta R.T. 0.03 min
Lab File: BE093056.D
Acq: 19 May 2017 12:09

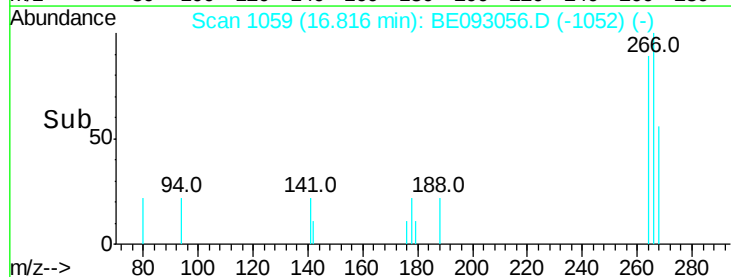
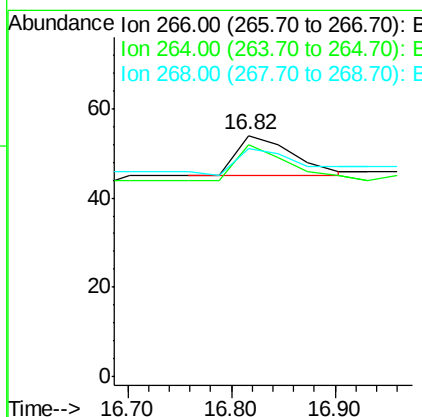
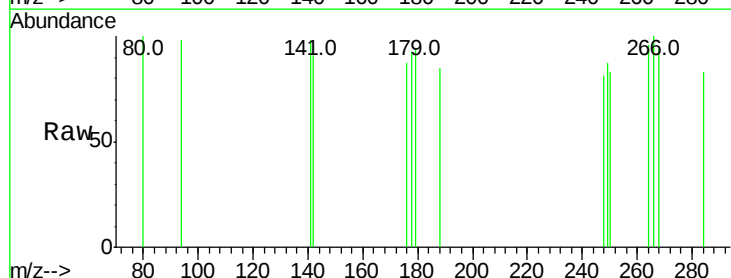
Instrument :
BNA_E
ClientSampleId :

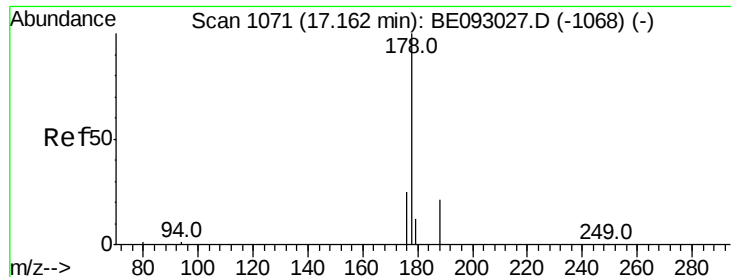
Tot Ion:284 Resp: 2
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 0.08 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE093056.D
Acq: 19 May 2017 12:09

Tgt Ion:266 Resp: 35
Ion Ratio Lower Upper
266 100
264 96.3 58.2 87.2#
268 94.4 71.9 107.9





#23

Phenanthrene

Concen: Below Cal

RT: 17.19 min Scan# 1072

Delta R.T. 0.03 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

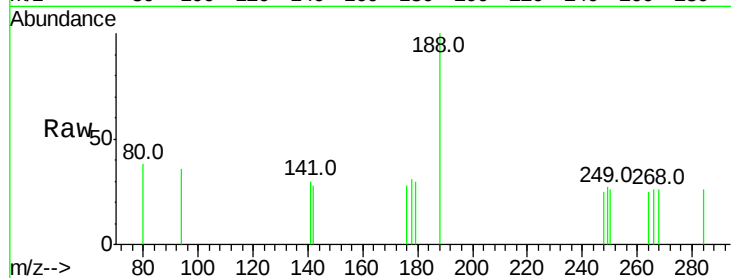
Tot Ion:178 Resp: 17

Ion Ratio Lower Upper

178 100

176 11.8 15.0 22.4#

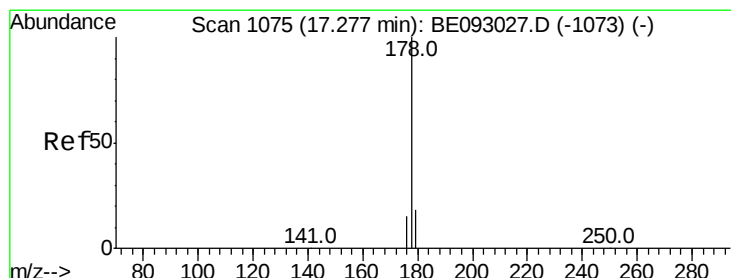
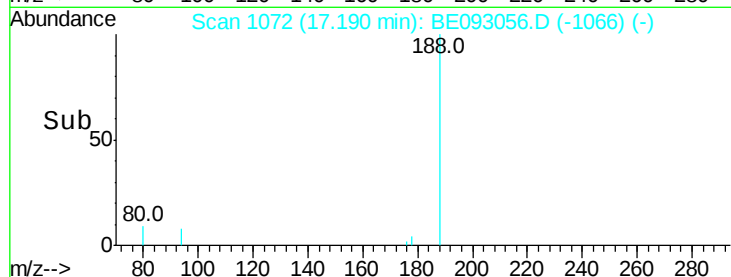
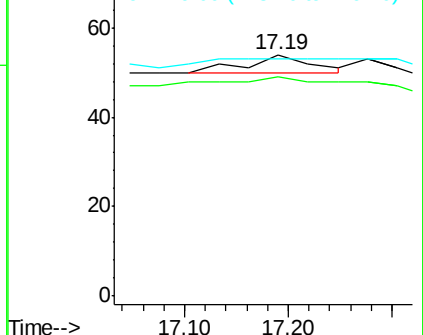
179 0.0 12.7 19.1#



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



#24

Anthracene

Concen: Below Cal

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

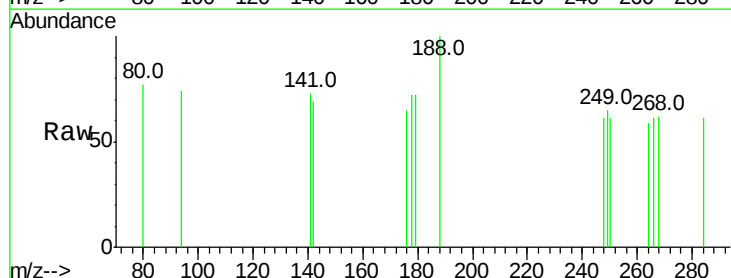
Tgt Ion:178 Resp: 5

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

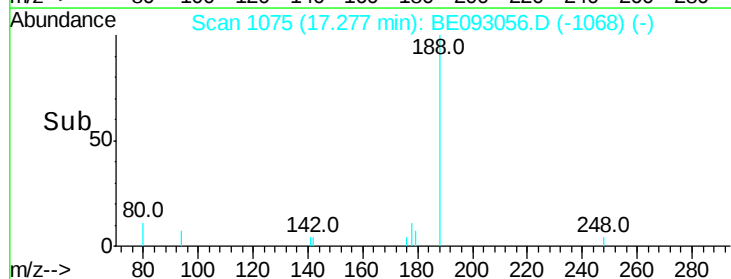
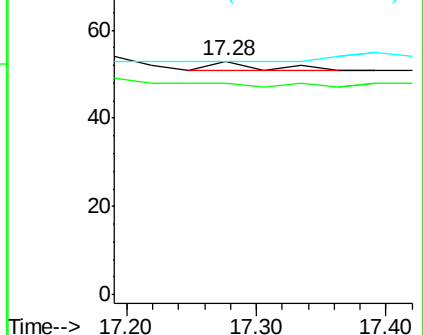
179 0.0 12.0 18.0#

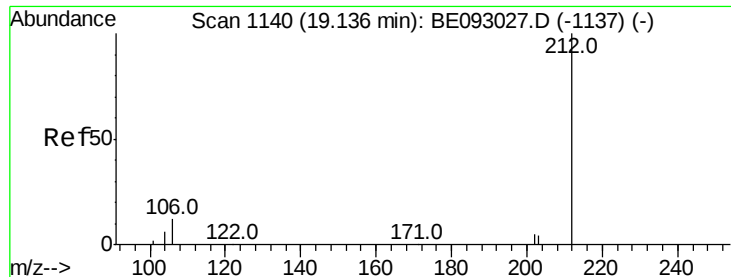


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.28 ng

RT: 19.14 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

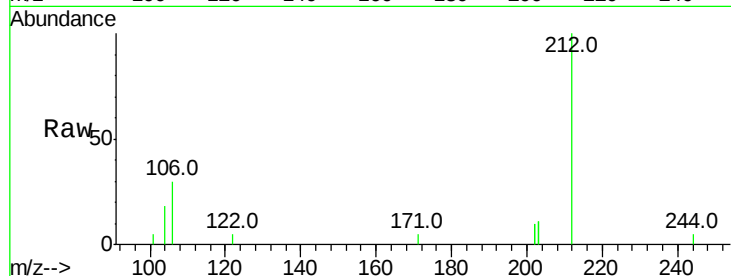
Tot Ion:212 Resp: 2199

Ion Ratio Lower Upper

212 100

106 18.1 0.0 0.0#

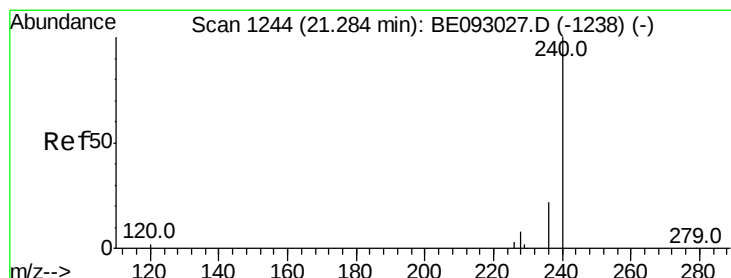
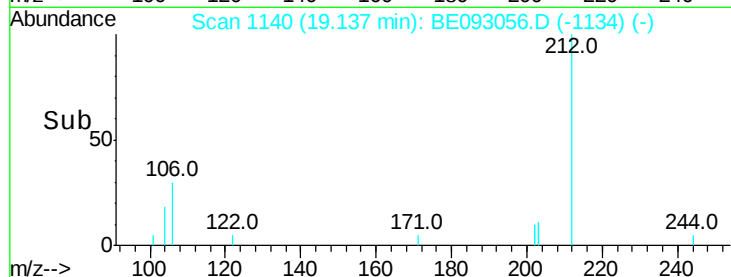
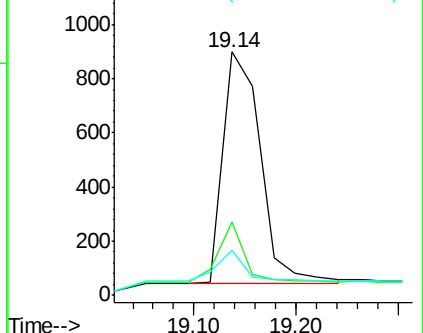
104 9.5 0.0 0.0#



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: BE093056.D

Acq: 19 May 2017 12:09

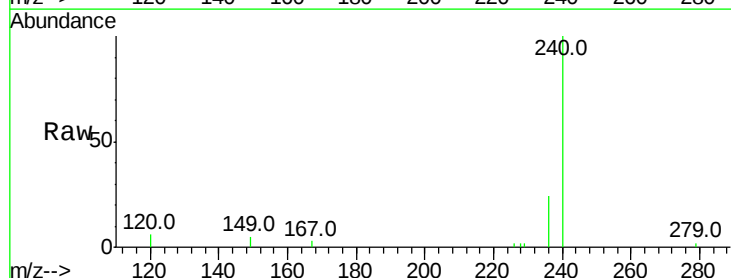
Tgt Ion:240 Resp: 3984

Ion Ratio Lower Upper

240 100

120 5.8 4.6 7.0

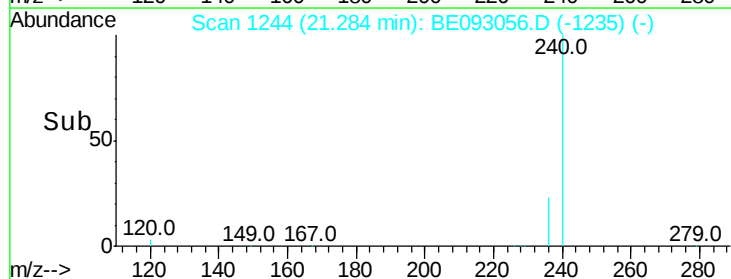
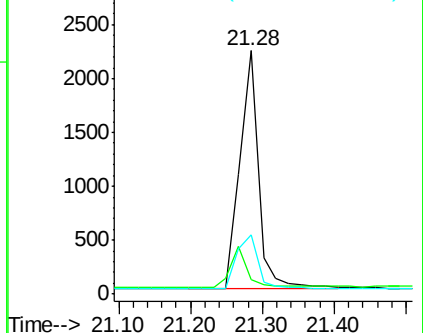
236 24.5 20.8 31.2

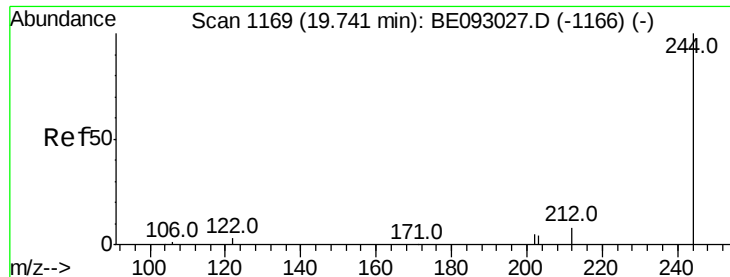


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.27 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

Instrument :

BNA_E

ClientSampleId :

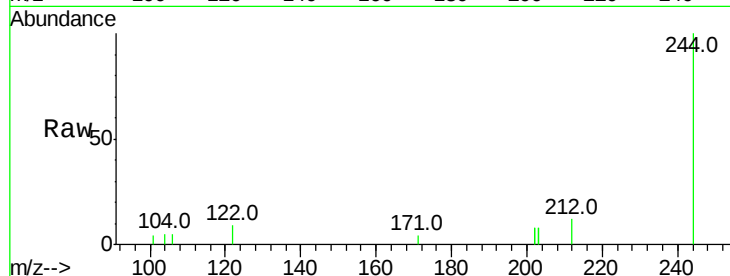
Tot Ion:244 Resp: 2014

Ion Ratio Lower Upper

244 100

212 11.5 10.6 16.0

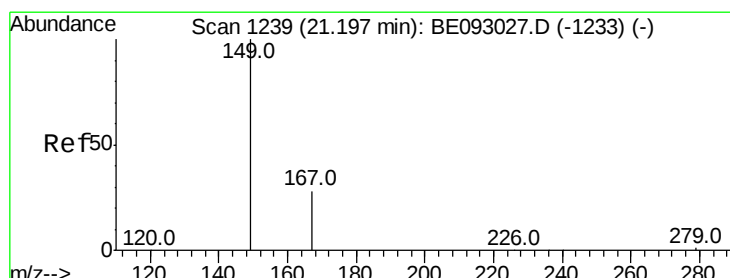
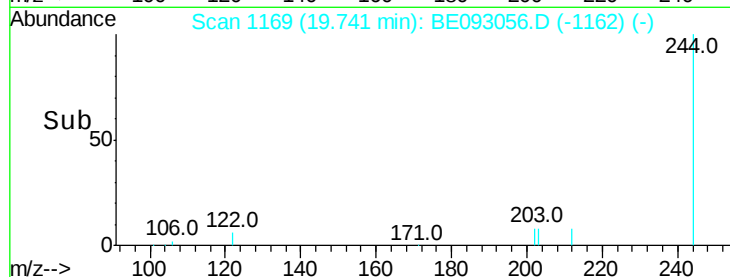
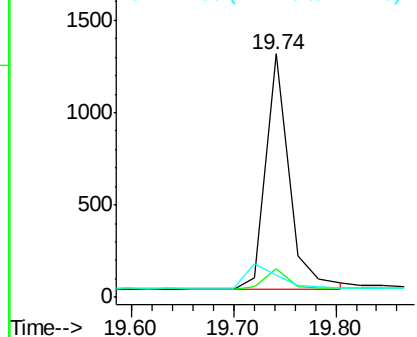
122 9.2 15.4 23.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093056.D

Acq: 19 May 2017 12:09

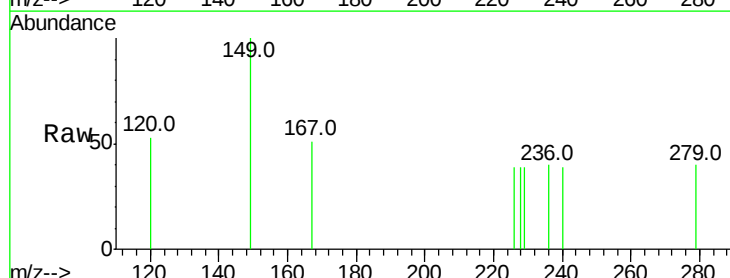
Tgt Ion:149 Resp: 66

Ion Ratio Lower Upper

149 100

167 33.3 20.1 30.1#

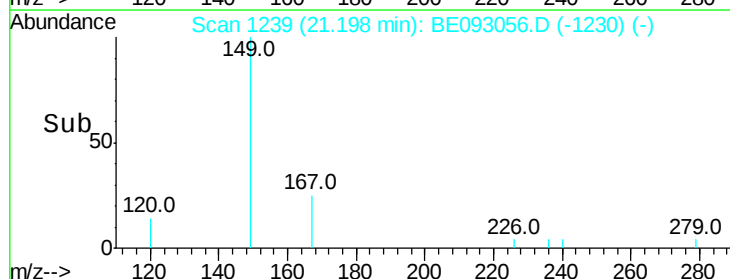
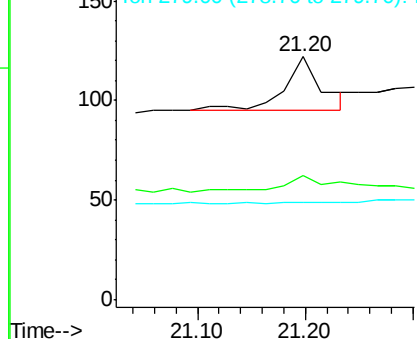
279 0.0 2.2 3.4#

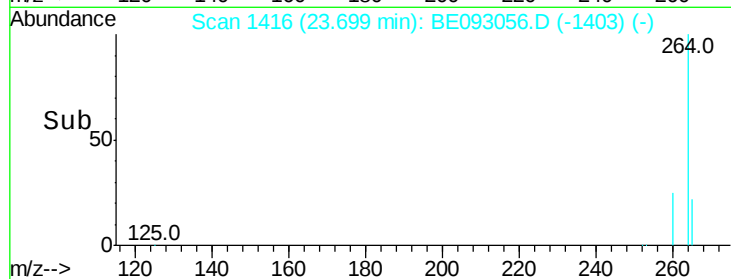
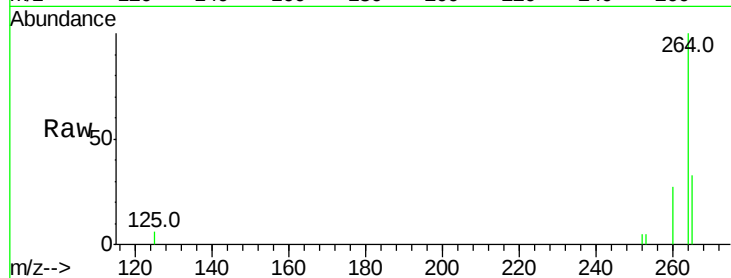
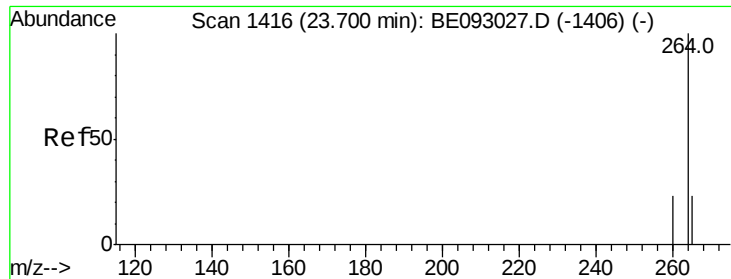


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
Pervlene-d12
Concen: 0.40 ng
RT: 23.70 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BE093056.D
Acq: 19 May 2017 12:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:	264	Resp:	3727
Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.0	31.4
265	32.6	24.6	36.8

