

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091896.D
 Acq On : 8 Jun 2016 3:50
 Operator : UM/SJ
 Sample : H3359-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:20:06 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 17:14:38 2016
 Response via : Initial Calibration

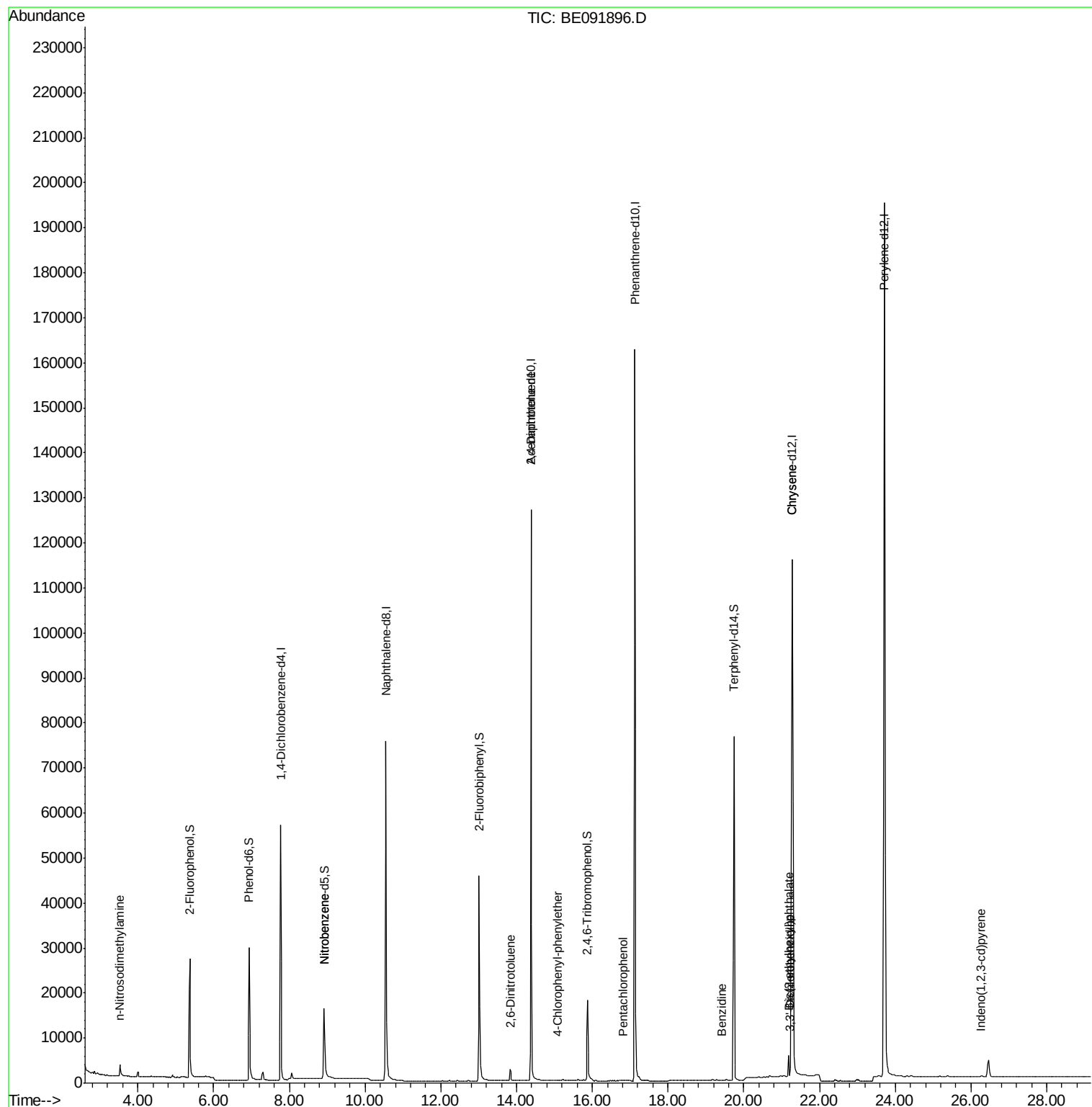
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	30605	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	135905	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	81187	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	248887	5.00	ng	0.00
31) Chrysene-d12	21.27	240	208747	5.00	ng	-0.03
40) Perylene-d12	23.71	264	290189	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	26583	4.07	ng	0.00
5) Phenol-d6	6.94	99	36578	4.53	ng	-0.02
9) Nitrobenzene-d5	8.91	82	19961	1.97	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	10579	4.57	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	53001	2.15	ng	0.00
34) Terphenyl-d14	19.74	244	101119	2.86	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.52	42	905	0.18	ng	# 1
10) Nitrobenzene	8.91	77	110	0.06	ng	# 58
19) 2,6-Dinitrotoluene	13.84	165	1779	0.45	ng	# 1
21) 2,4-Dinitrotoluene	14.38	165	10349	1.76	ng	# 1
23) 4-Chlorophenyl-phenylether	15.08	204	720	0.05	ng	# 1
27) Pentachlorophenol	16.80	266	77	0.07	ng	# 75
32) Benzydine	19.42	184	59	0.10	ng	# 1
35) Benzo(a)anthracene	21.27	228	7582	Below Cal		# 84
36) 3,3'-Dichlorobenzidine	21.21	252	70	0.10	ng	# 88
37) Chrysene	21.27	228	7882	0.04	ng	# 75
38) Bis(2-ethylhexyl)phthalate	21.19	149	6263	0.28	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	312	0.05	ng	# 88

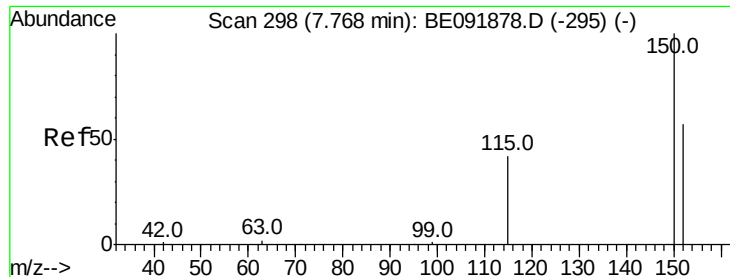
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampleId :

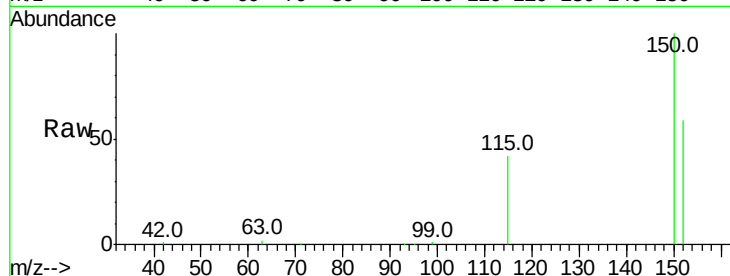
Tot Ion:152 Resp: 30605

Ion Ratio Lower Upper

152 100

150 169.6 123.9 185.9

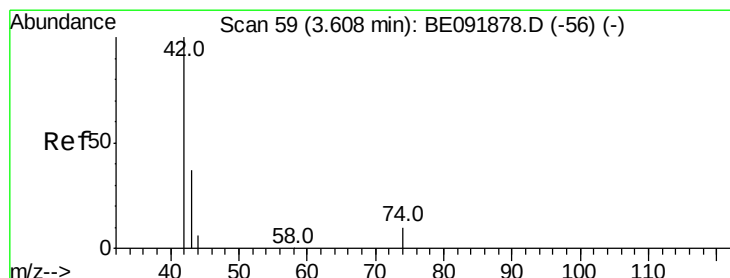
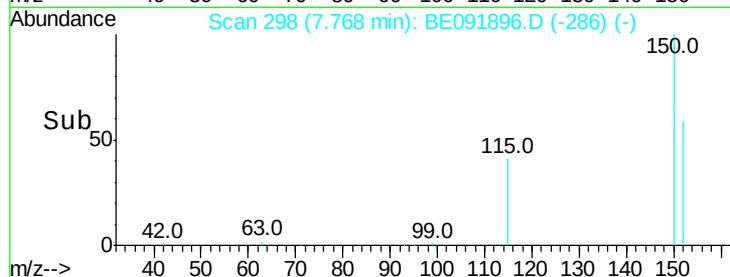
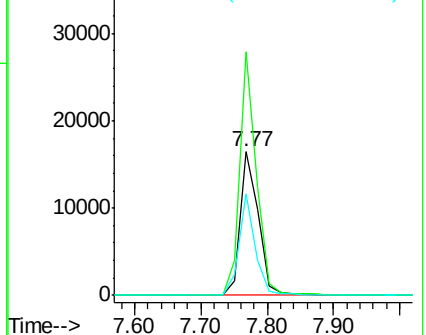
115 70.4 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.52 min Scan# 54

Delta R.T. -0.09 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

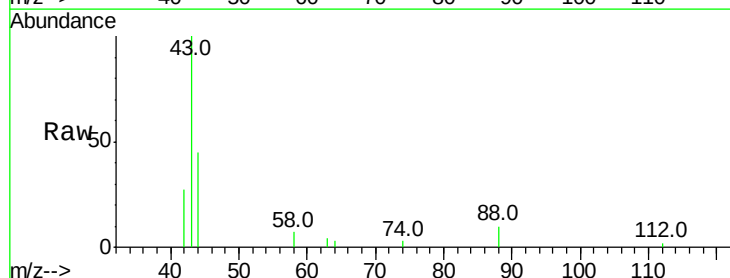
Tgt Ion: 42 Resp: 905

Ion Ratio Lower Upper

42 100

74 2.1 93.4 140.0#

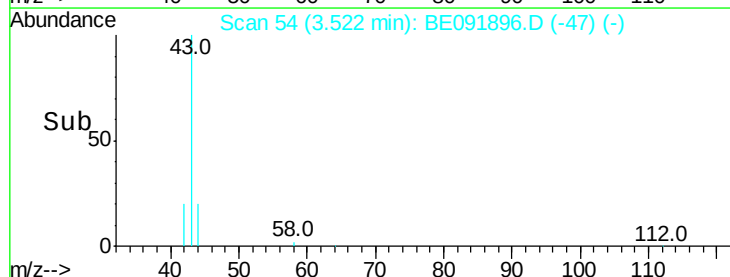
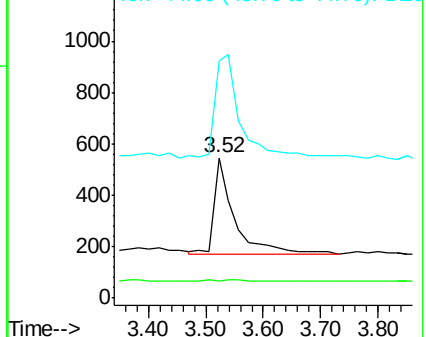
44 143.2 5.0 7.6#

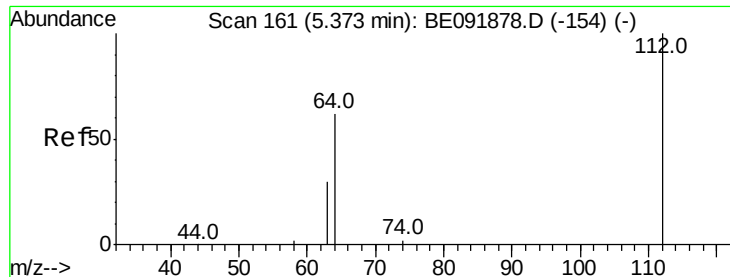


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 4.07 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampleId :

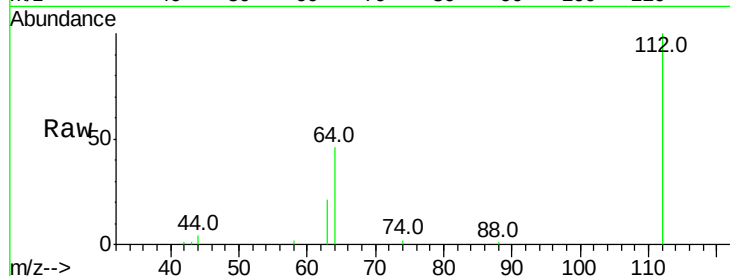
Tot Ion:112 Resp: 26583

Ion Ratio Lower Upper

112 100

64 66.7 53.7 80.5

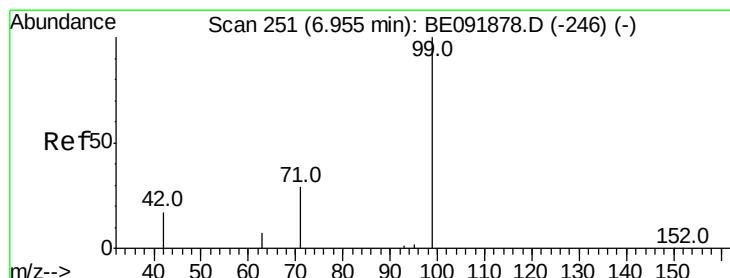
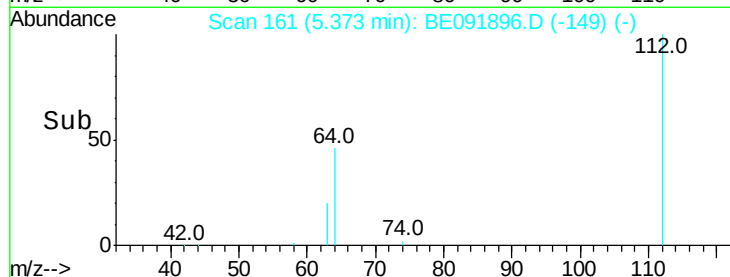
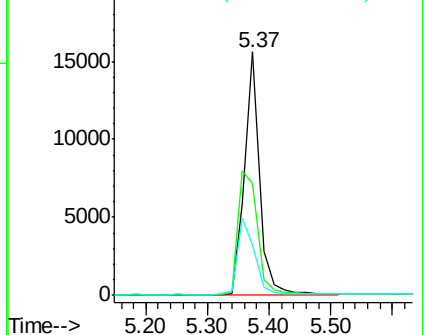
63 35.7 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 4.53 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

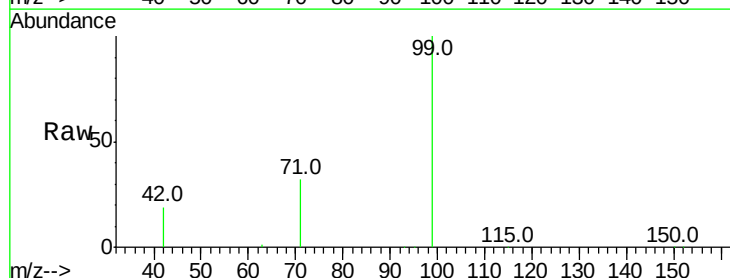
Tgt Ion: 99 Resp: 36578

Ion Ratio Lower Upper

99 100

42 24.0 19.6 29.4

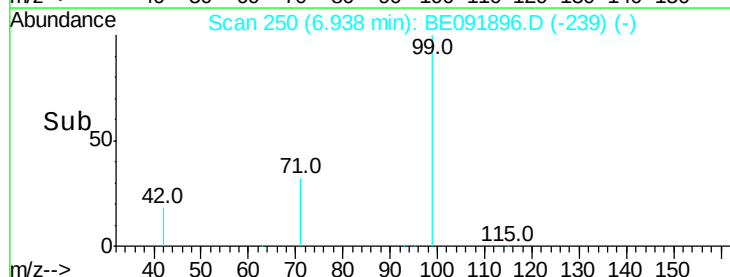
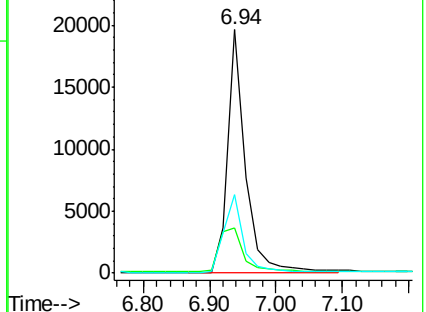
71 34.9 28.1 42.1

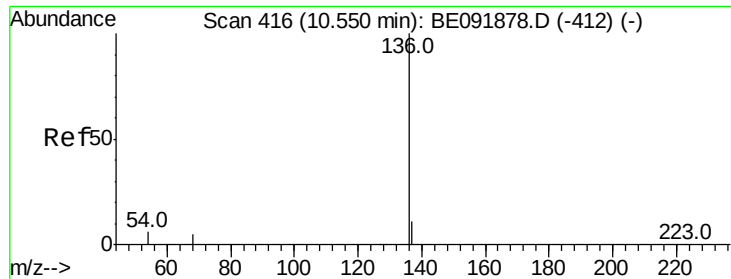


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091896.D

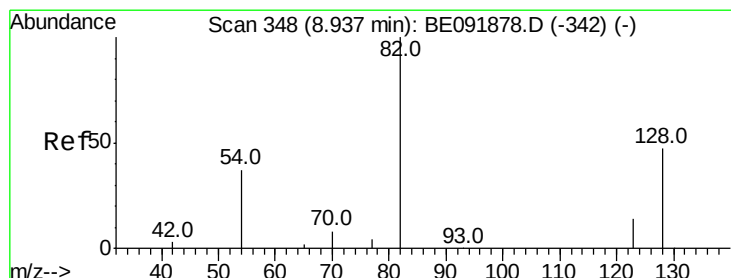
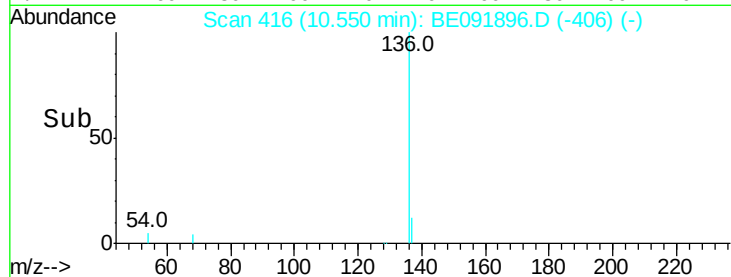
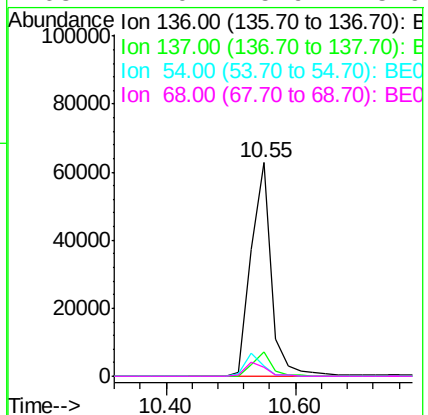
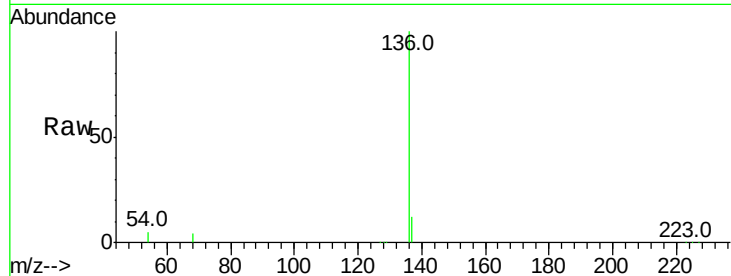
Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	135905
Ion Ratio	Lower	Upper
136	100	
137	11.6	8.3 12.5
54	5.0	8.2 12.4#
68	4.0	5.9 8.9#



#9

Nitrobenzene-d5

Concen: 1.97 ng

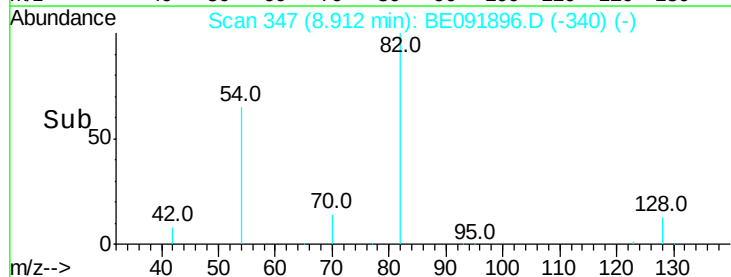
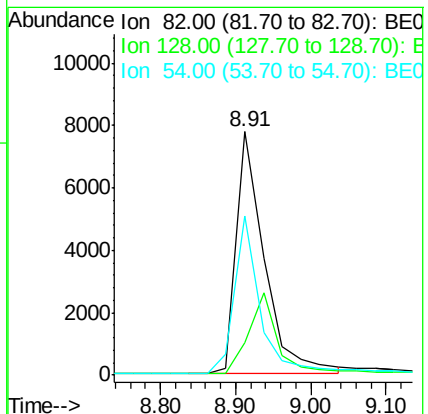
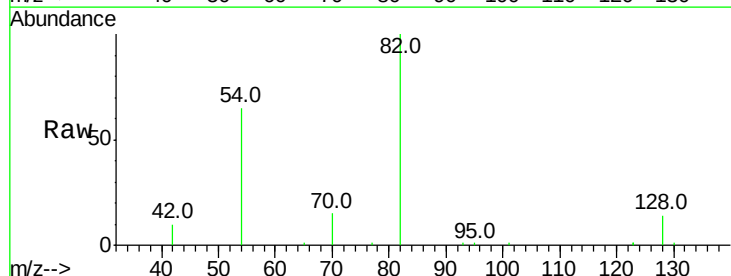
RT: 8.91 min Scan# 347

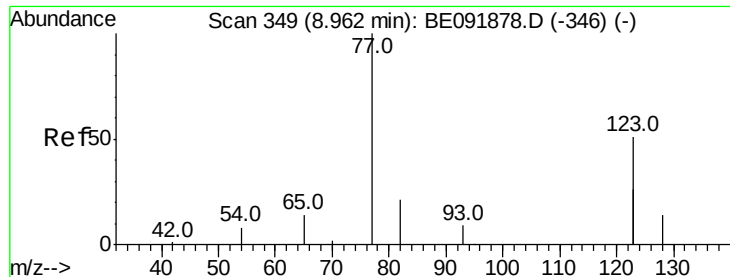
Delta R.T. -0.02 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Tgt Ion: 82	Resp:	19961
Ion Ratio	Lower	Upper
82	100	
128	13.6	39.5 59.3#
54	65.5	30.3 45.5#

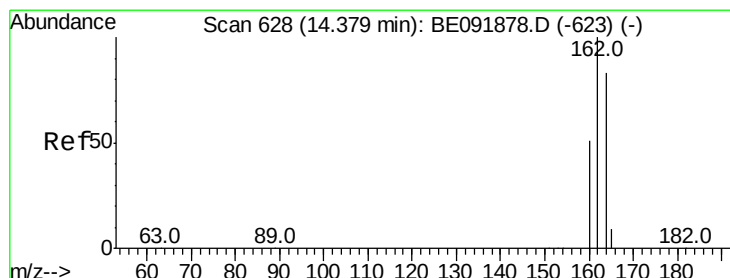
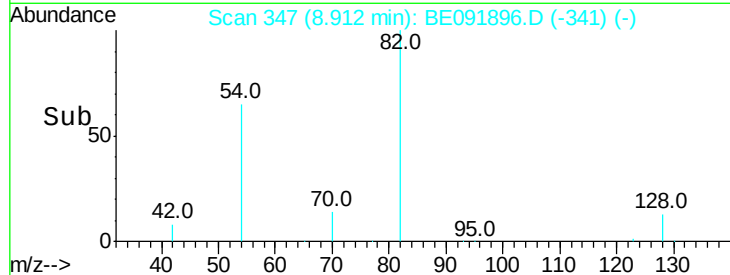
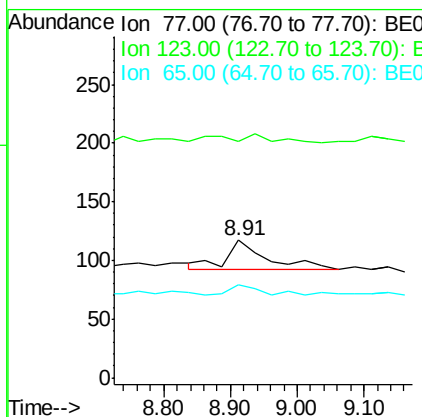
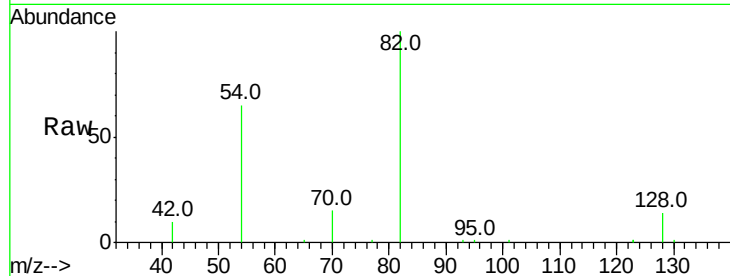




#10
 Nitrobenzene
 Concen: 0.06 ng
 RT: 8.91 min Scan# 347
 Delta R.T. -0.05 min
 Lab File: BE091896.D
 Acq: 8 Jun 2016 3:50

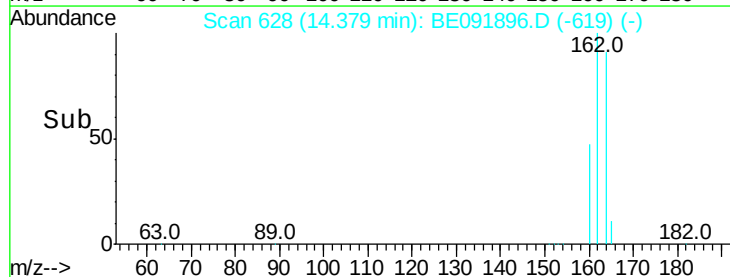
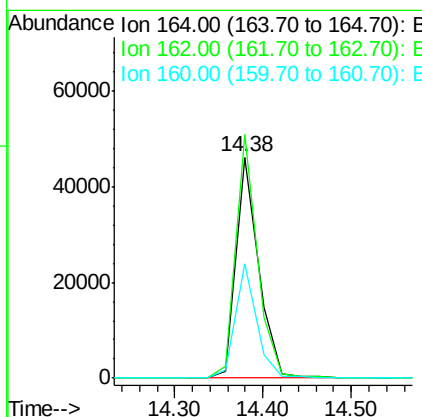
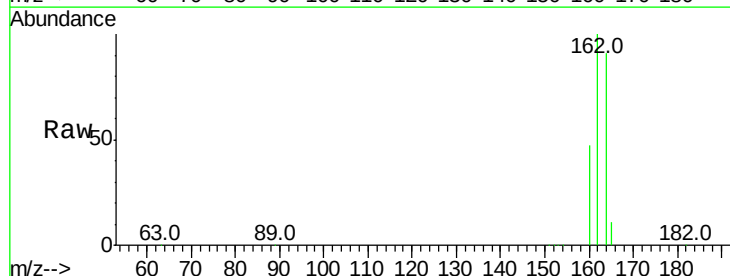
Instrument :
 BNA_E
 ClientSampleId :

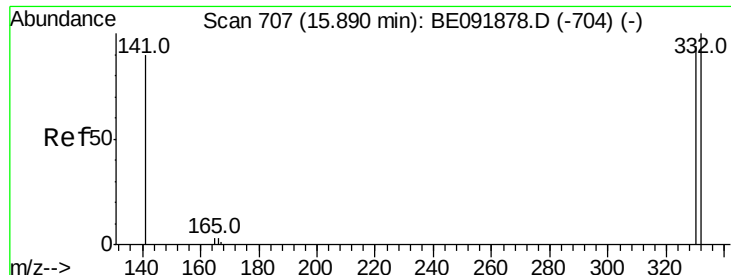
Tot Ion: 77 Resp: 110
 Ion Ratio Lower Upper
 77 100
 123 0.0 0.0 0.0
 65 30.9 11.1 16.7#



#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.38 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BE091896.D
 Acq: 8 Jun 2016 3:50

Tgt Ion: 164 Resp: 81187
 Ion Ratio Lower Upper
 164 100
 162 110.1 71.8 107.8#
 160 51.9 28.0 42.0#

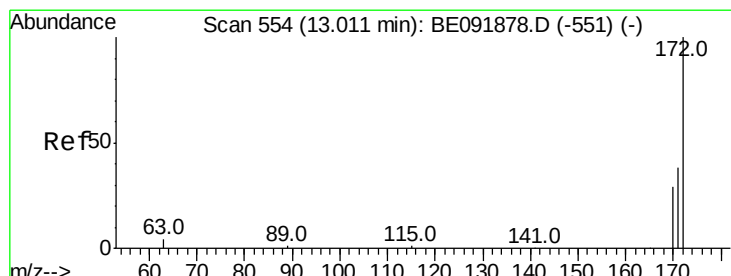
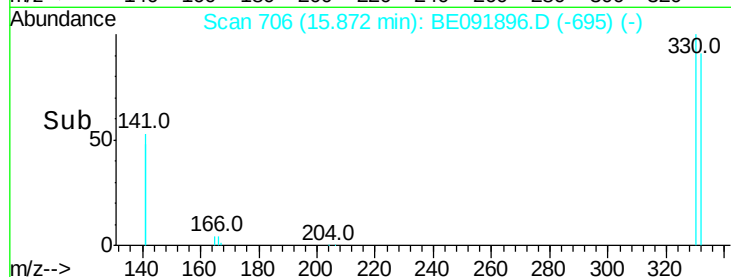
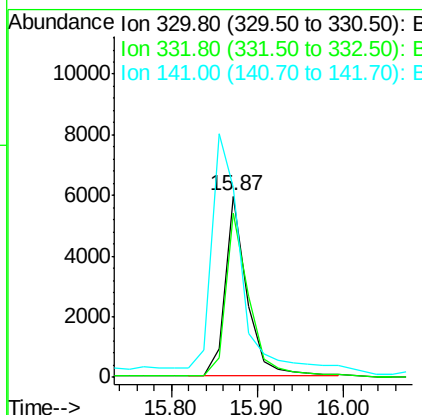
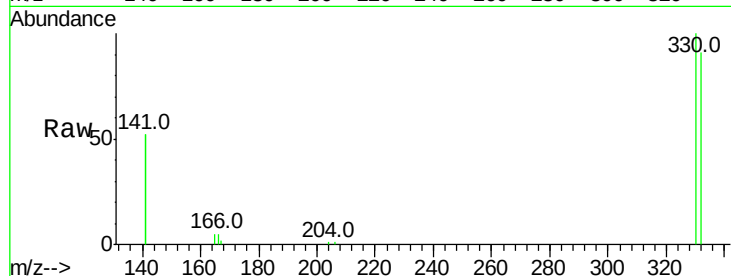




#16
 2,4,6-Tribromophenol
 Concen: 4.57 ng
 RT: 15.87 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BE091896.D
 Acq: 8 Jun 2016 3:50

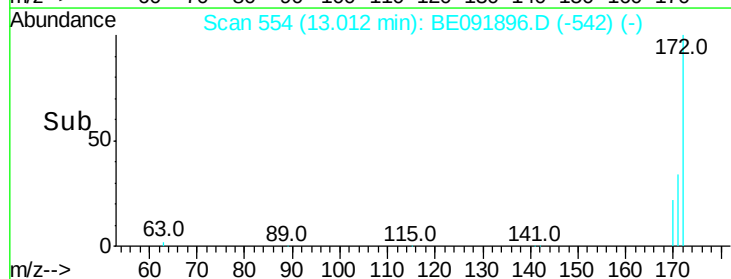
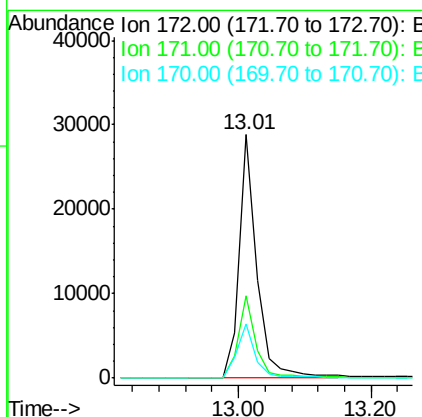
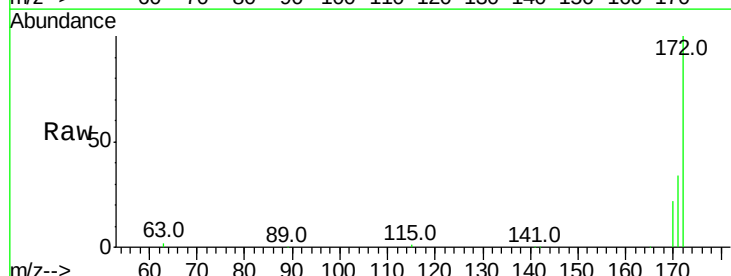
Instrument :
 BNA_E
 ClientSampleId :

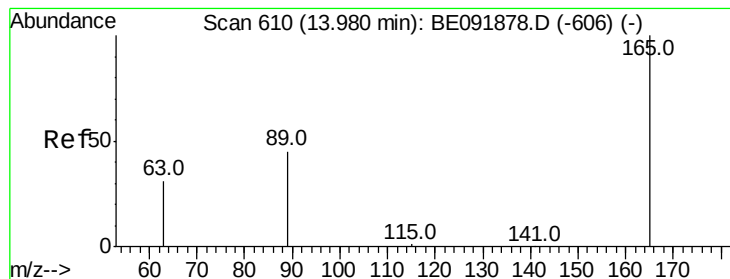
Tot Ion:330 Resp: 10579
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 164.6 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 2.15 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091896.D
 Acq: 8 Jun 2016 3:50

Tgt Ion:172 Resp: 53001
 Ion Ratio Lower Upper
 172 100
 171 33.8 24.3 36.5
 170 22.2 14.9 22.3





#19

2,6-Dinitrotoluene

Concen: 0.45 ng

RT: 13.84 min Scan# 602

Delta R.T. -0.14 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampleId :

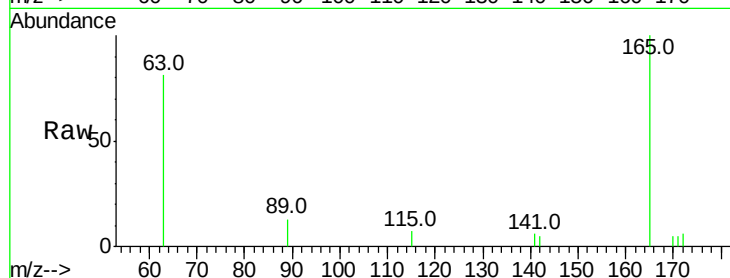
Tot Ion:165 Resp: 1779

Ion Ratio Lower Upper

165 100

63 214.9 65.9 98.9#

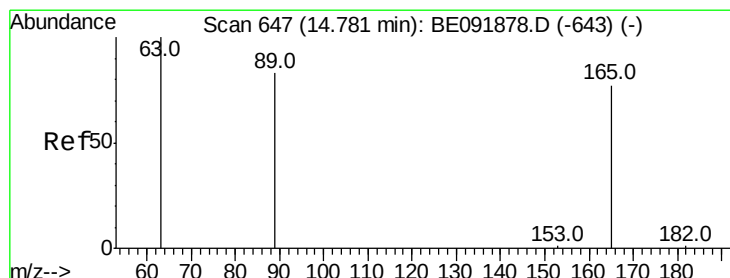
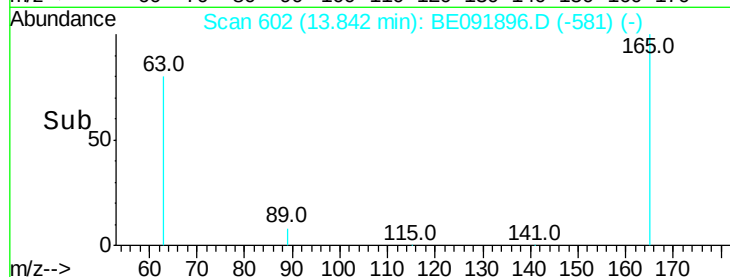
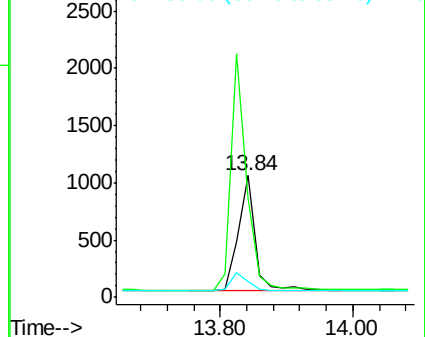
89 16.6 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#21

2,4-Dinitrotoluene

Concen: 1.76 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.40 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Tgt Ion:165 Resp: 10349

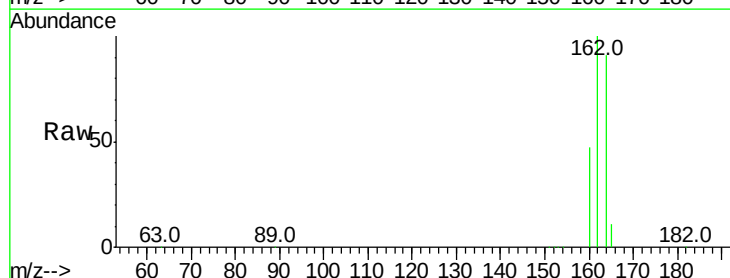
Ion Ratio Lower Upper

165 100

63 1.6 0.0 0.0#

89 2.0 99.8 149.8#

182 0.0 0.0 0.0

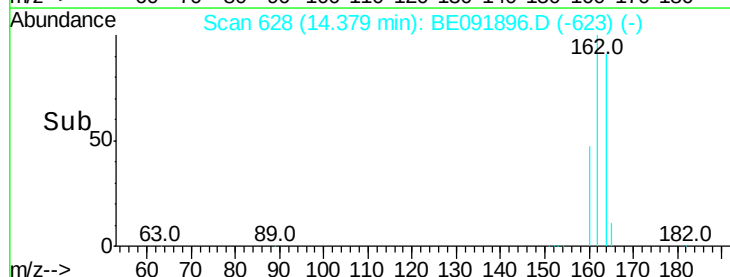
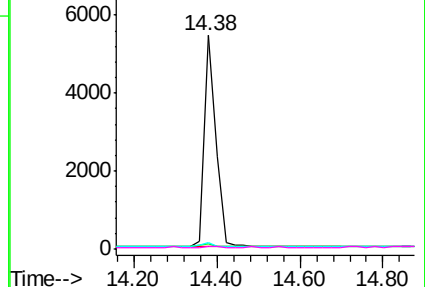


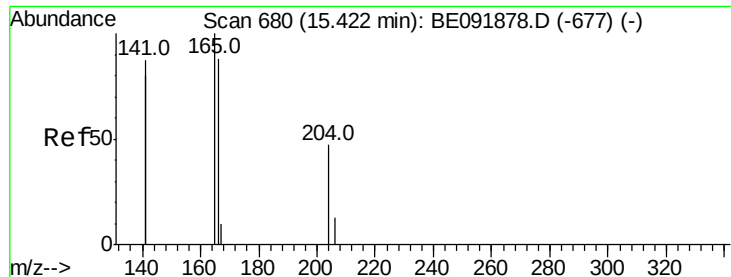
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

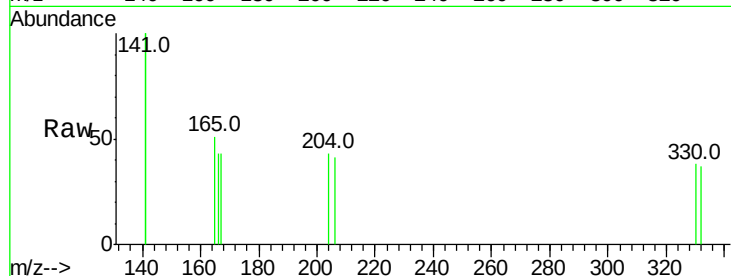




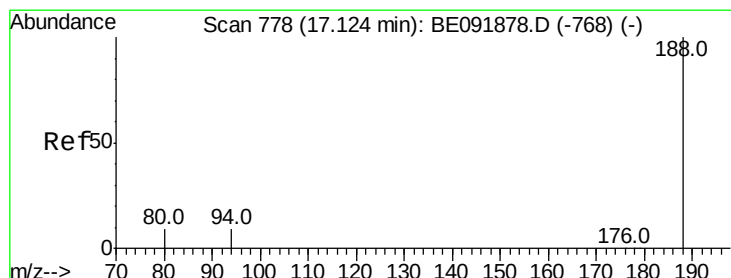
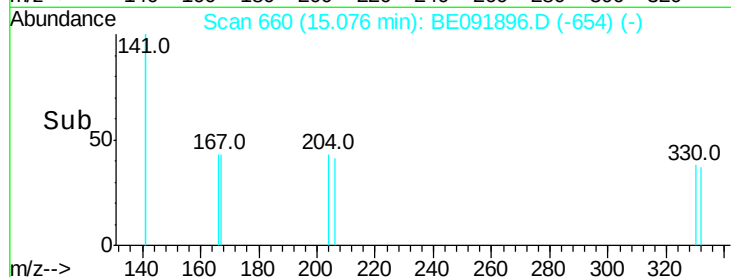
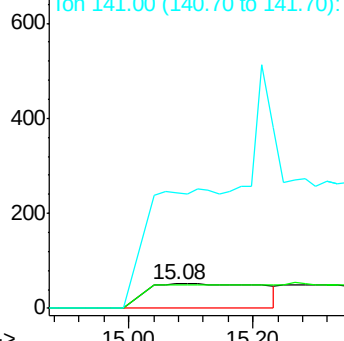
#23
4-Chlorophenyl-phenylether
Concen: 0.05 ng
RT: 15.08 min Scan# 660
Delta R.T. -0.35 min
Lab File: BE091896.D
Acq: 8 Jun 2016 3:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:204 Resp: 720
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 0.0 197.6 296.4#

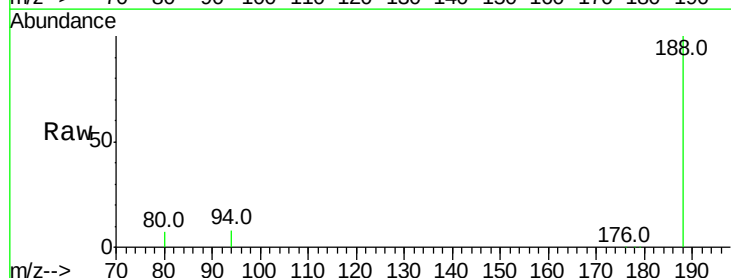


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

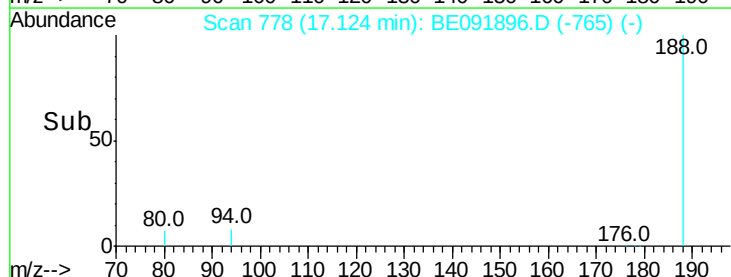
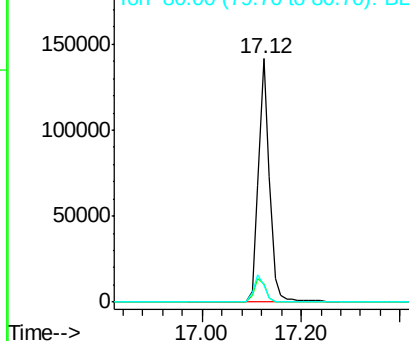


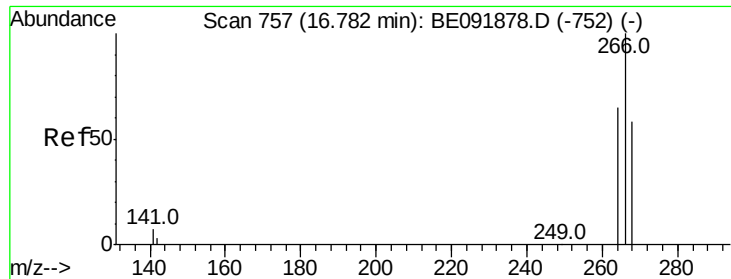
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE091896.D
Acq: 8 Jun 2016 3:50

Tgt Ion:188 Resp: 248887
Ion Ratio Lower Upper
188 100
94 7.7 4.1 6.1#
80 7.1 3.4 5.2#



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





#27

Pentachlorophenol

Concen: 0.07 ng

RT: 16.80 min Scan# 758

Delta R.T. 0.02 min

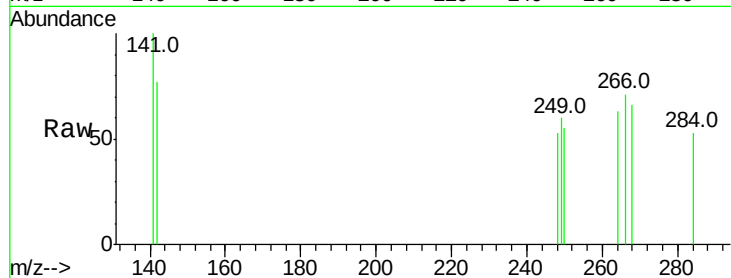
Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampled :



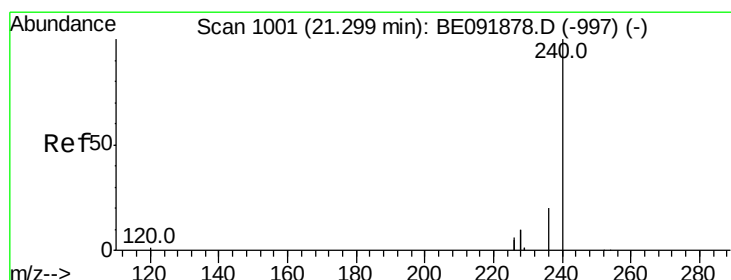
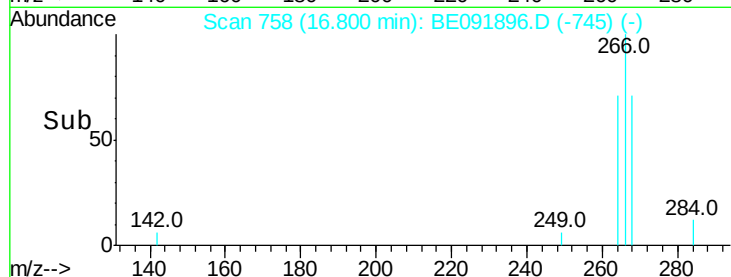
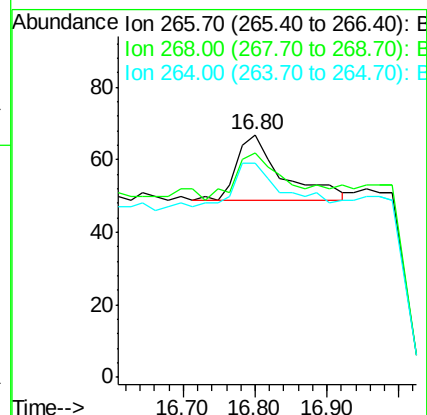
Tot Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

268 92.5 60.5 90.7#

264 88.1 51.0 76.4#



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.03 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

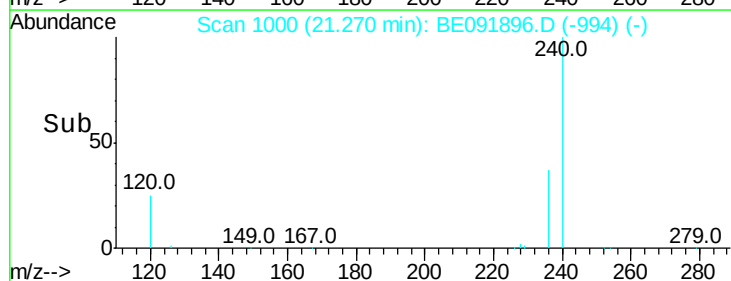
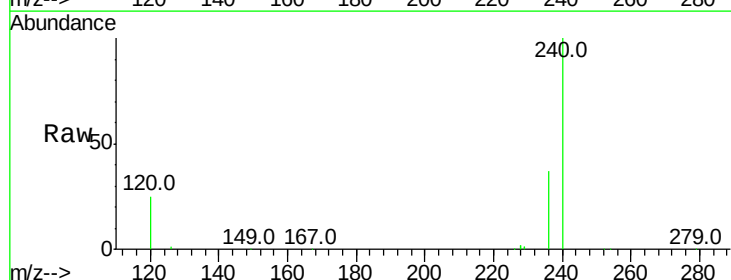
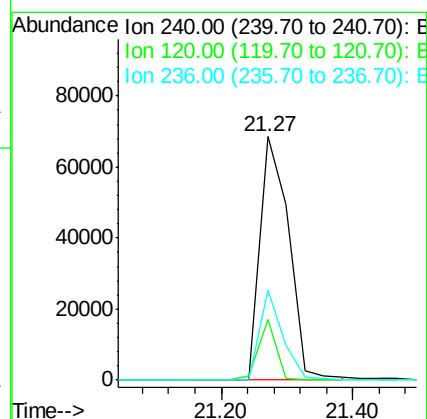
Tgt Ion:240 Resp: 208747

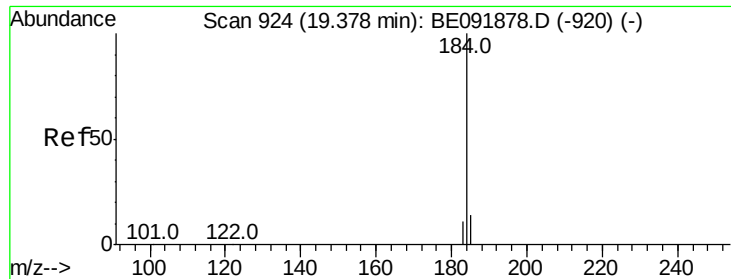
Ion Ratio Lower Upper

240 100

120 24.9 1.2 1.8#

236 36.8 19.8 29.8#





#32

Benzidine

Concen: 0.10 ng

RT: 19.42 min Scan# 926

Delta R.T. 0.04 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampled :

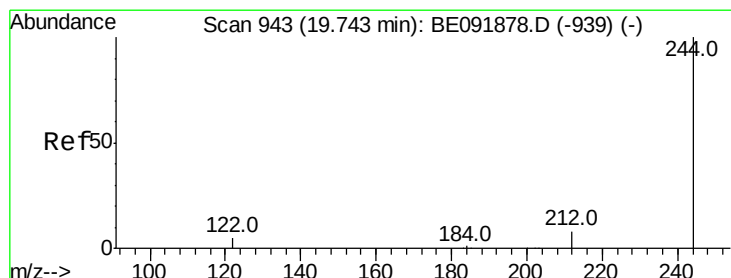
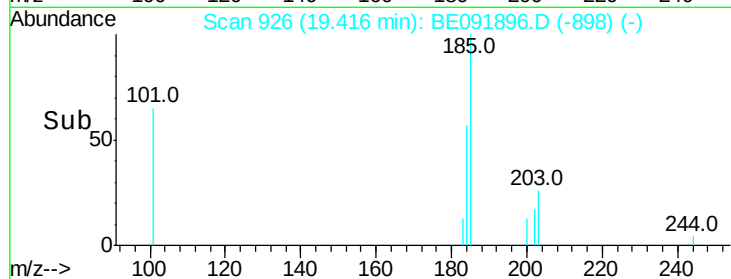
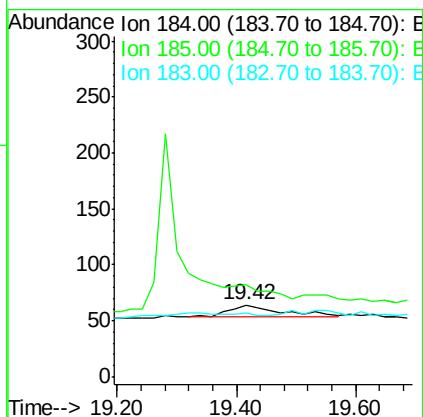
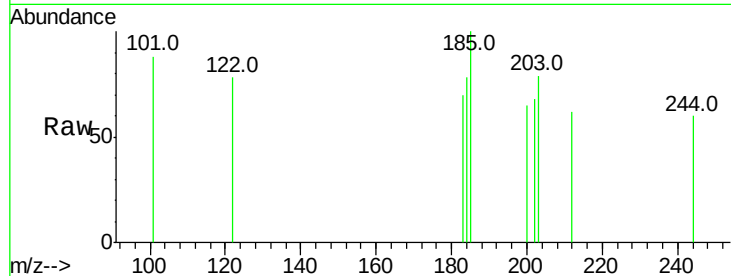
Tot Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

185 128.1 11.4 17.2#

183 89.1 11.8 17.6#



#34

Terphenyl-d14

Concen: 2.86 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

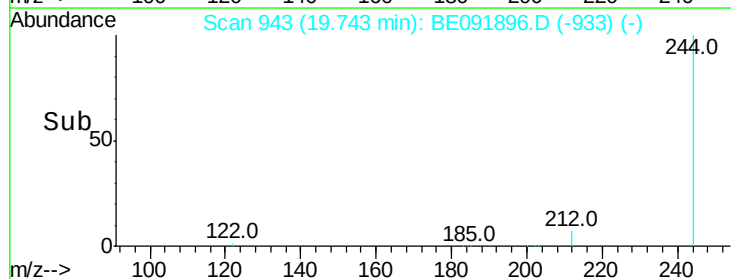
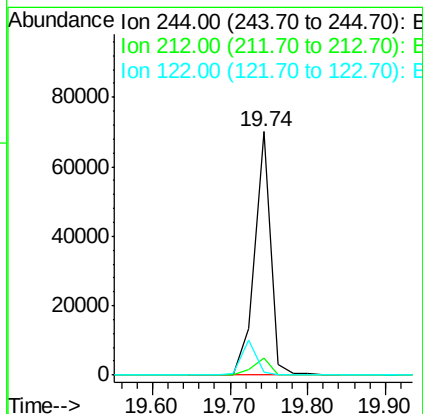
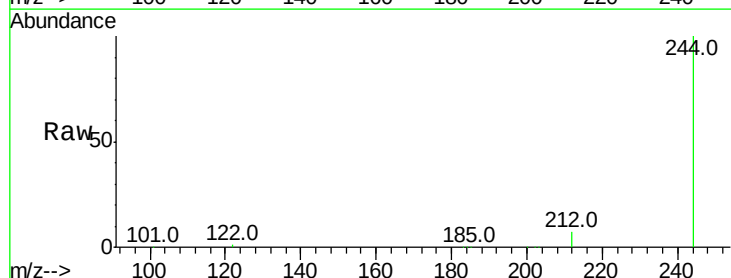
Tgt Ion:244 Resp: 101119

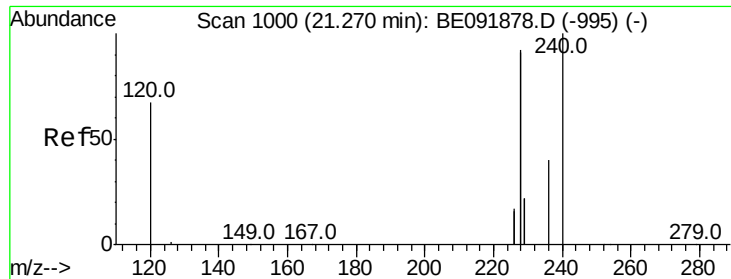
Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

122 1.3 2.9 4.3#

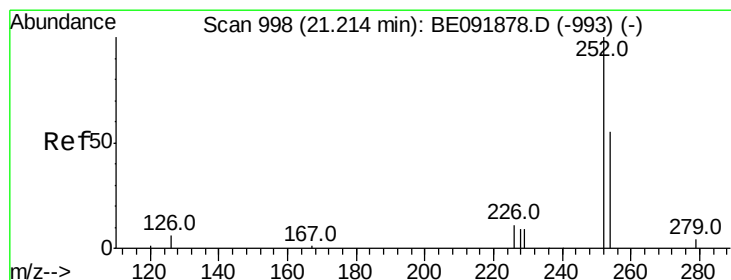
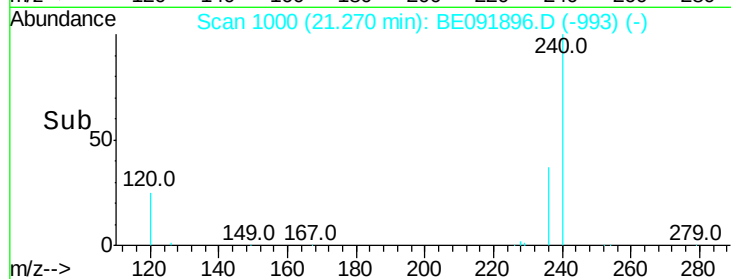
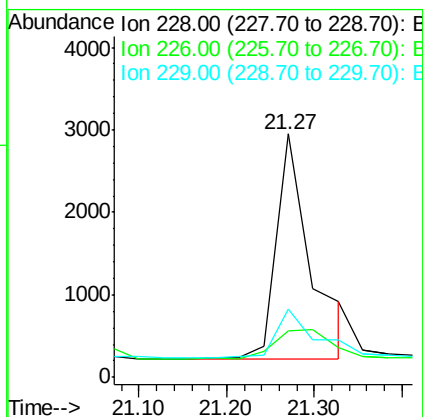
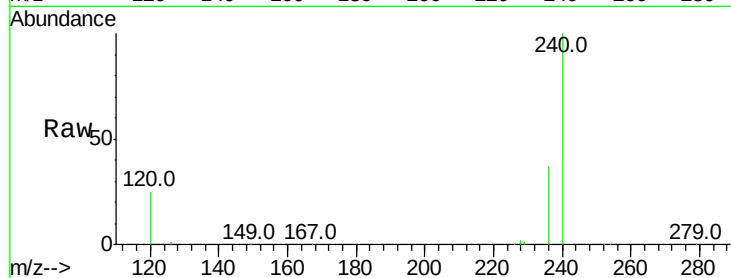




#35
Benzo(a)anthracene
Concen: Below Cal
RT: 21.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091896.D
Acq: 8 Jun 2016 3:50

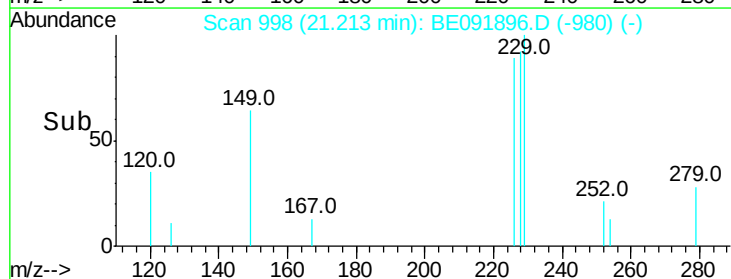
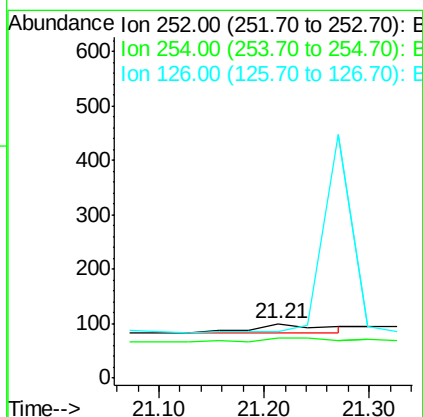
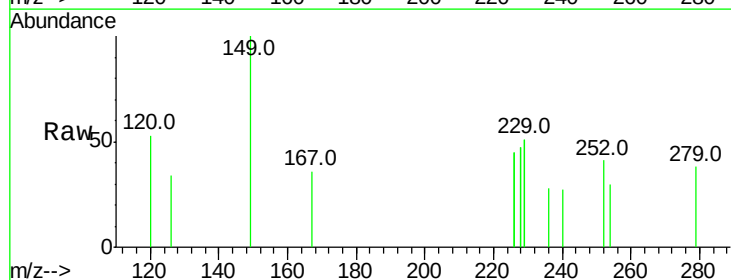
Instrument :
BNA_E
ClientSampleId :

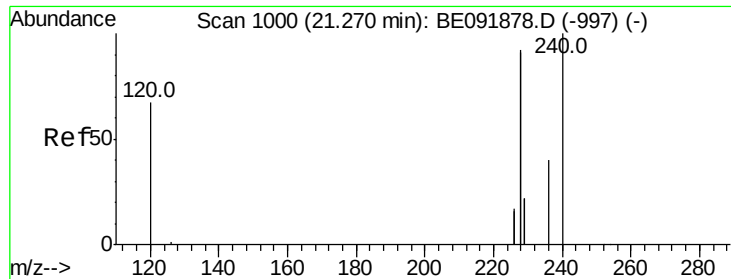
Tot Ion:228 Resp: 7582
Ion Ratio Lower Upper
228 100
226 19.0 21.0 31.4#
229 28.0 15.8 23.8#



#36
3,3'-Dichlorobenzidine
Concen: 0.10 ng
RT: 21.21 min Scan# 998
Delta R.T. 0.00 min
Lab File: BE091896.D
Acq: 8 Jun 2016 3:50

Tgt Ion:252 Resp: 70
Ion Ratio Lower Upper
252 100
254 74.3 61.5 92.3
126 84.2 2.5 3.7#





#37

Chrysene

Concen: 0.04 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampleId :

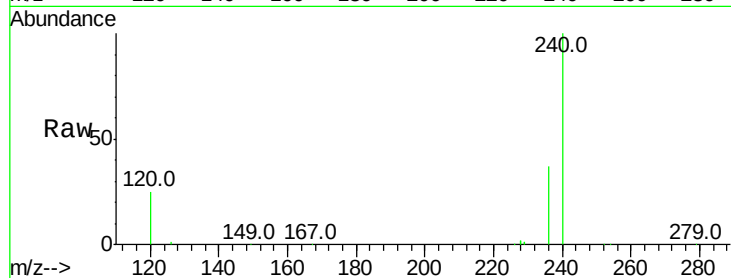
Tot Ion:228 Resp: 7882

Ion Ratio Lower Upper

228 100

226 19.0 27.0 40.6#

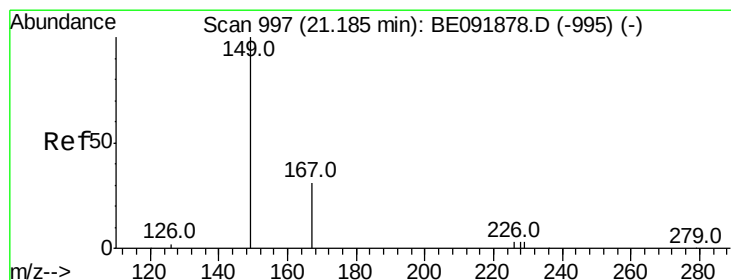
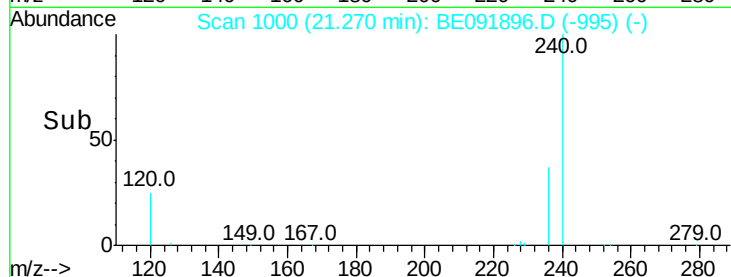
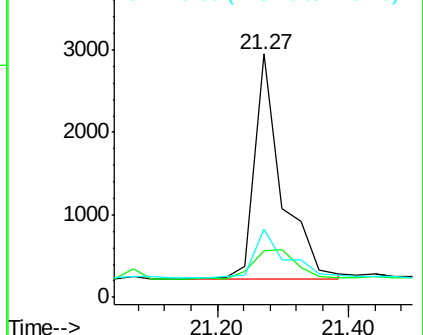
229 28.0 13.8 20.8#



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

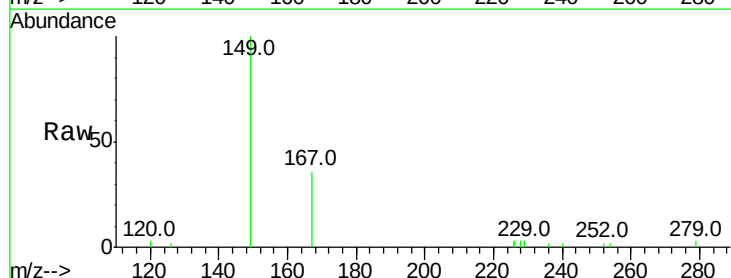
Tgt Ion:149 Resp: 6263

Ion Ratio Lower Upper

149 100

167 34.1 0.0 0.0#

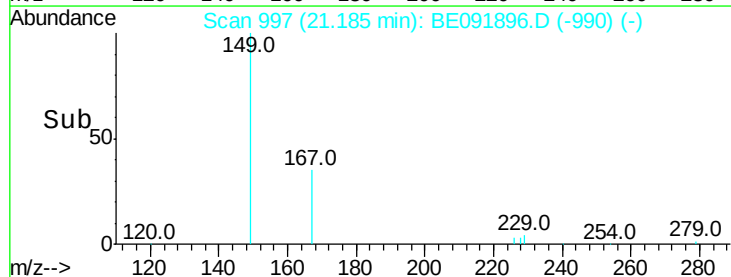
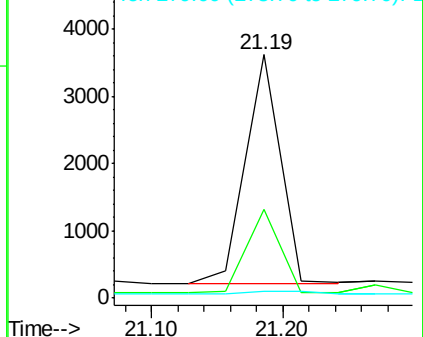
279 2.4 0.0 0.0#

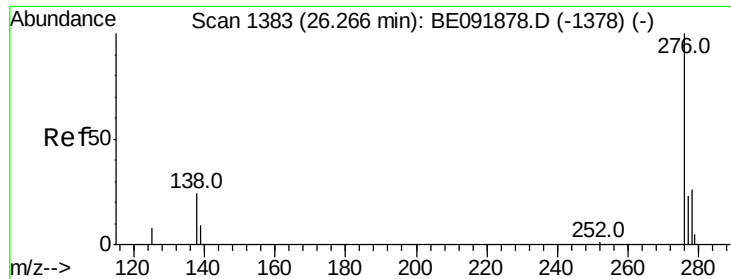


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

Instrument :

BNA_E

ClientSampleId :

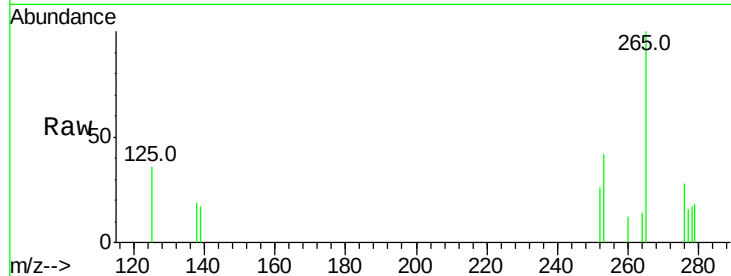
Tot Ion:276 Resp: 312

Ion Ratio Lower Upper

276 100

138 33.7 19.7 29.5#

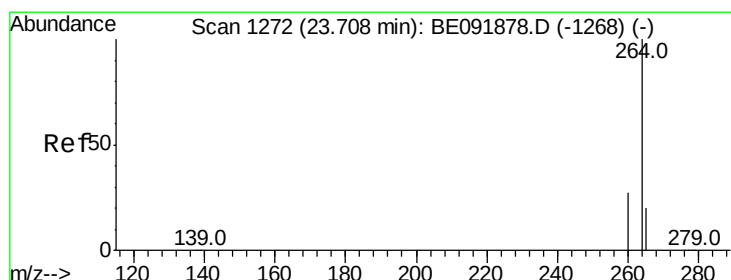
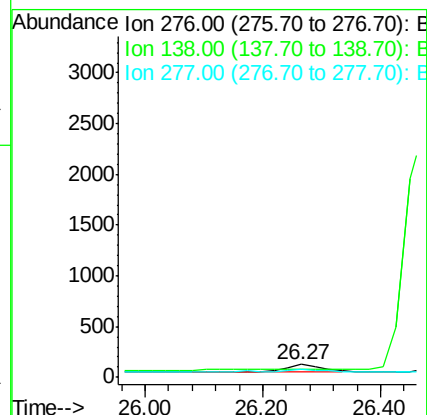
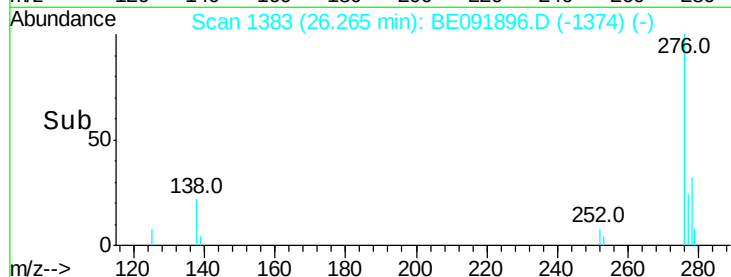
277 28.2 20.1 30.1



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE091896.D

Acq: 8 Jun 2016 3:50

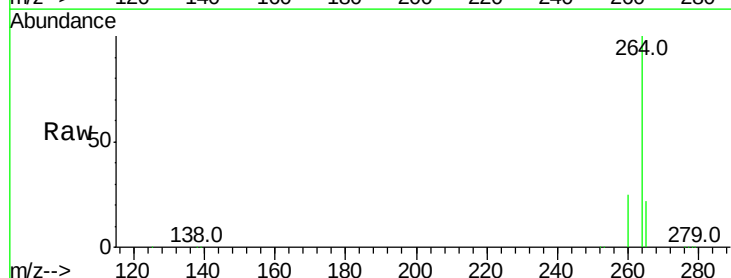
Tgt Ion:264 Resp: 290189

Ion Ratio Lower Upper

264 100

260 24.9 20.3 30.5

265 21.6 17.6 26.4



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

