

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091887.D
 Acq On : 7 Jun 2016 22:13
 Operator : UM/SJ
 Sample : PB91035BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:17:17 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

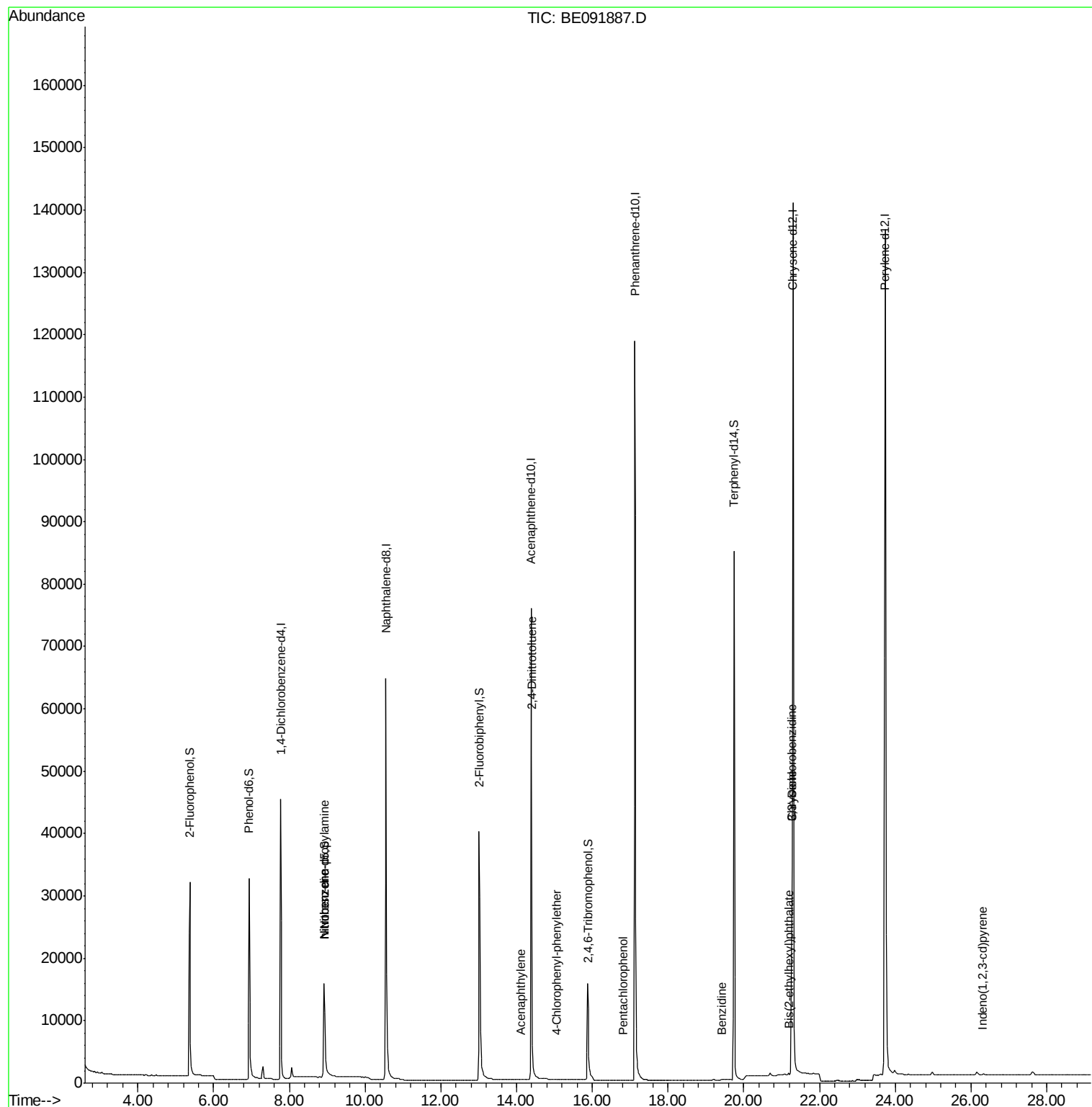
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	25539	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	113030	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	64822	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	202674	5.00	ng	0.00
31) Chrysene-d12	21.30	240	216934	5.00	ng	0.00
40) Perylene-d12	23.73	264	220887	5.00	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	31423	5.77	ng	0.00
5) Phenol-d6	6.94	99	40808	6.05	ng	-0.02
9) Nitrobenzene-d5	8.91	82	21811	2.58	ng	-0.02
16) 2,4,6-Tribromophenol	15.89	330	10752	5.82	ng	0.00
17) 2-Fluorobiphenyl	13.01	172	58652	2.98	ng	0.00
34) Terphenyl-d14	19.74	244	108405	3.01	ng	0.00
Target Compounds						
7) n-Nitroso-di-n-propylamine	8.91	70	2576	0.45	ng	# 85
10) Nitrobenzene	8.91	77	83	0.06	ng	# 36
18) Acenaphthylene	14.10	152	591	0.02	ng	# 55
21) 2,4-Dinitrotoluene	14.40	165	8439	1.79	ng	# 1
23) 4-Chlorophenyl-phenylether	15.06	204	651	0.06	ng	# 1
27) Pentachlorophenol	16.82	266	33	0.05	ng	# 69
32) Benzidine	19.42	184	115	0.11	ng	# 1
35) Benzo(a)anthracene	21.27	228	6173	Below Cal		# 88
36) 3,3'-Dichlorobenzidine	21.27	252	34	0.10	ng	# 42
37) Chrysene	21.27	228	6374	0.03	ng	# 88
38) Bis(2-ethylhexyl)phthalate	21.18	149	518	0.14	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.31	276	245	0.05	ng	# 54

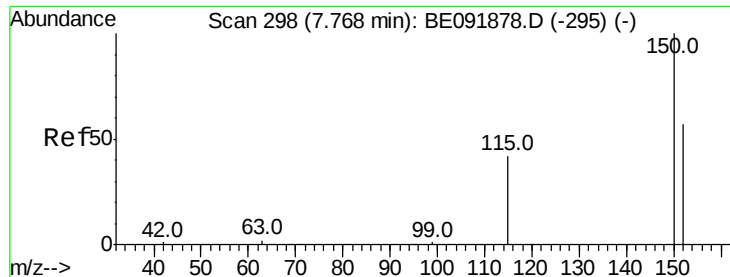
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
Data File : BE091887.D
Acq On : 7 Jun 2016 22:13
Operator : UM/SJ
Sample : PB91035BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jun 08 07:17:17 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

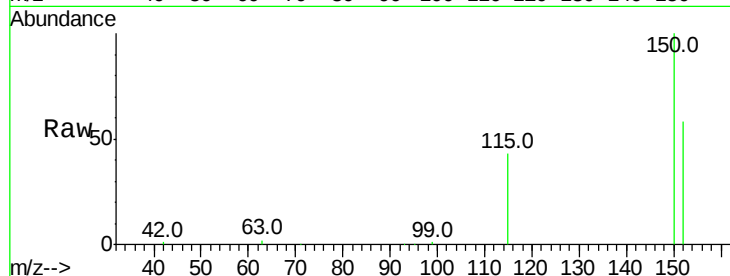
Tot Ion:152 Resp: 25539

Ion Ratio Lower Upper

152 100

150 173.6 123.9 185.9

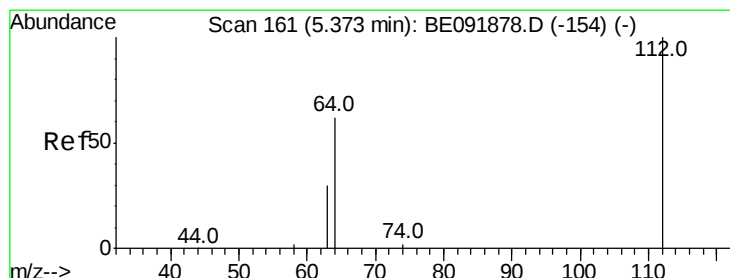
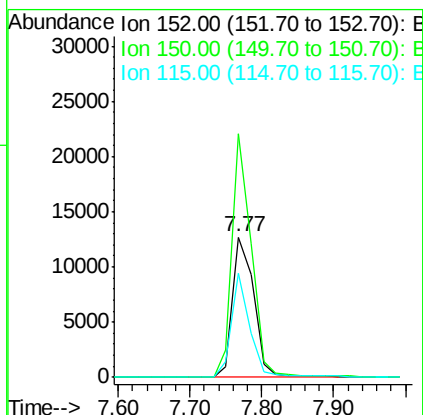
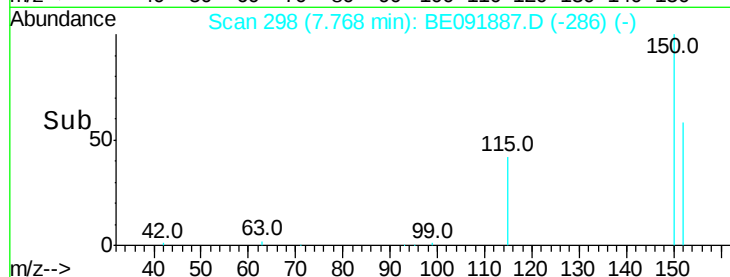
115 74.0 48.3 72.5#



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



#4

2-Fluorophenol

Concen: 5.77 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

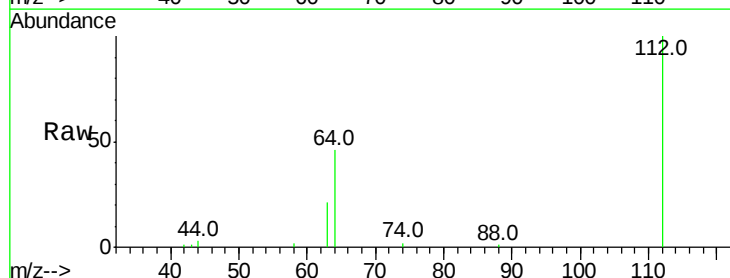
Tgt Ion:112 Resp: 31423

Ion Ratio Lower Upper

112 100

64 66.4 53.7 80.5

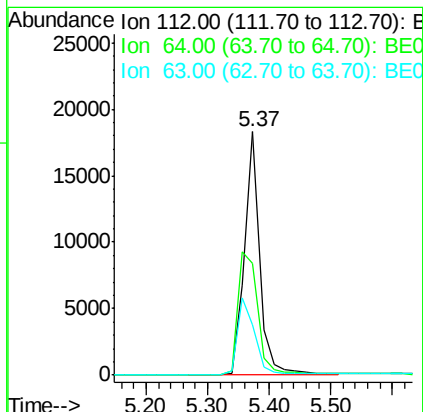
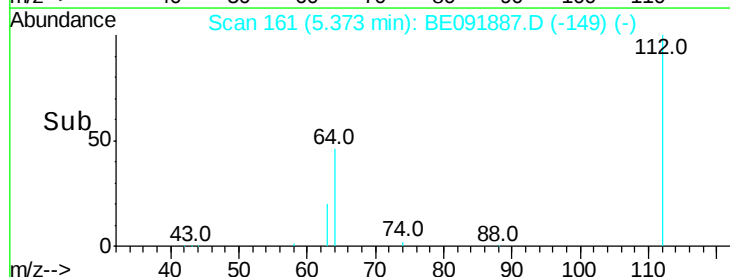
63 35.8 29.5 44.3

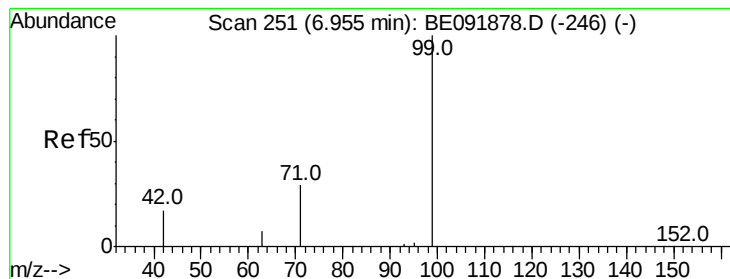


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.05 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampled :

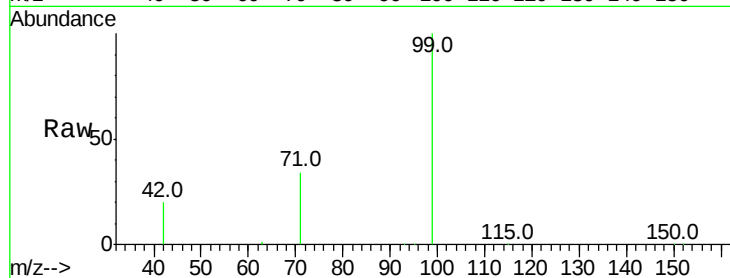
Tot Ion: 99 Resp: 40808

Ion Ratio Lower Upper

99 100

42 24.0 19.6 29.4

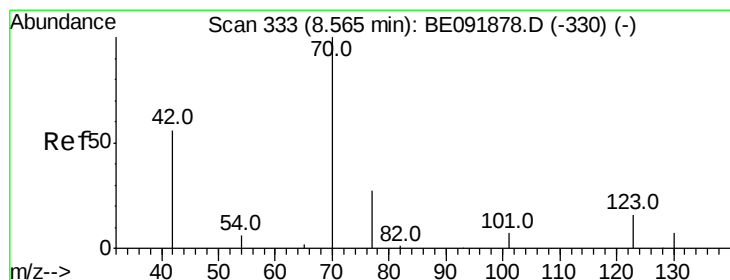
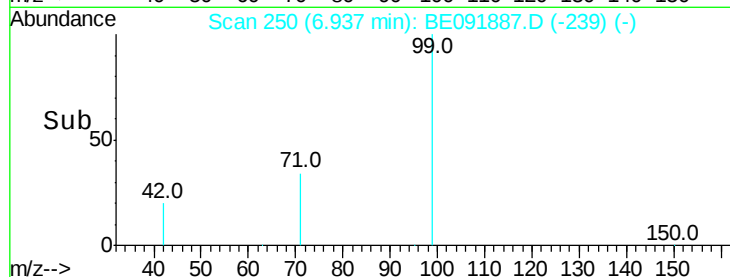
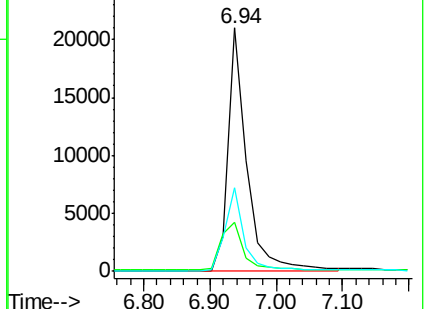
71 35.1 28.1 42.1



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



#7

n-Nitroso-di-n-propylamine

Concen: 0.45 ng

RT: 8.91 min Scan# 347

Delta R.T. 0.35 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Tgt Ion: 70 Resp: 2576

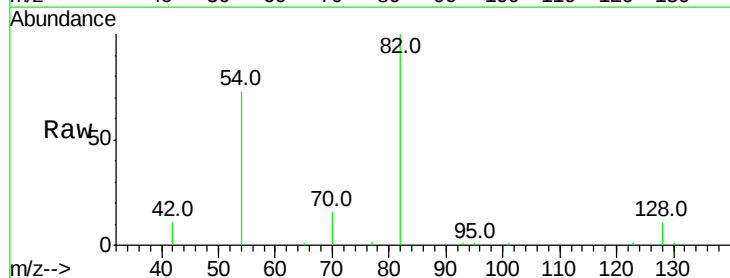
Ion Ratio Lower Upper

70 100

42 60.7 58.4 87.6

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

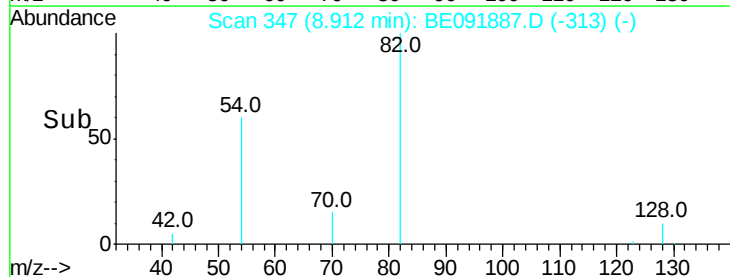
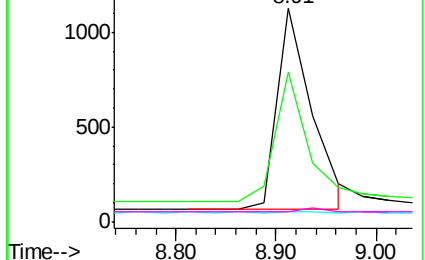


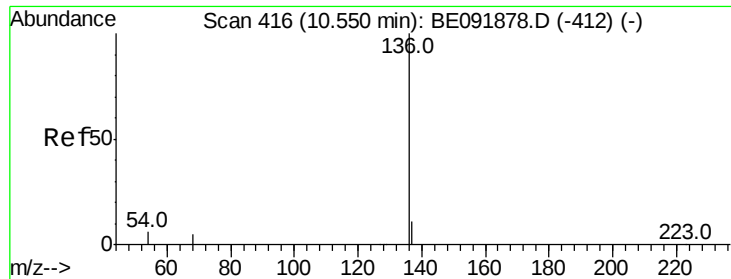
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 113030

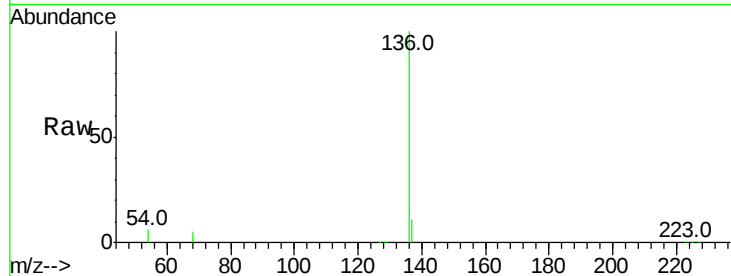
Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 6.3 8.2 12.4#

68 4.8 5.9 8.9#



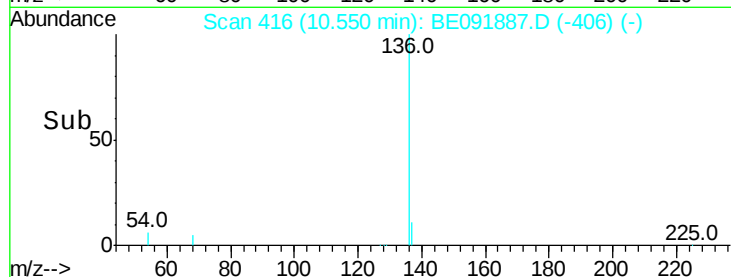
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

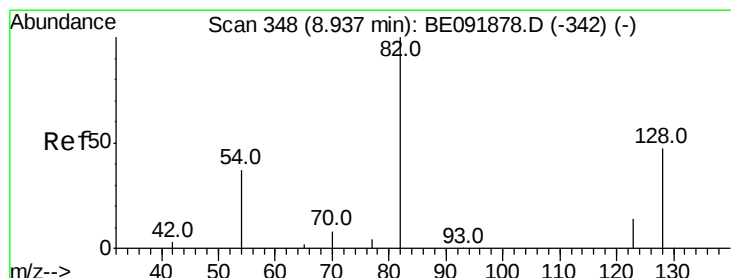
Ion 68.00 (67.70 to 68.70): BE0

Time-->



Abundance

Time-->



#9

Nitrobenzene-d5

Concen: 2.58 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

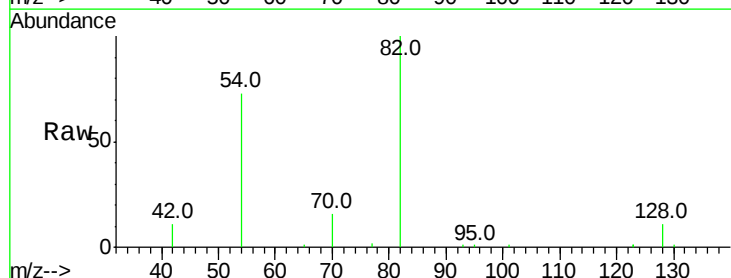
Tgt Ion: 82 Resp: 21811

Ion Ratio Lower Upper

82 100

128 11.1 39.5 59.3#

54 72.9 30.3 45.5#

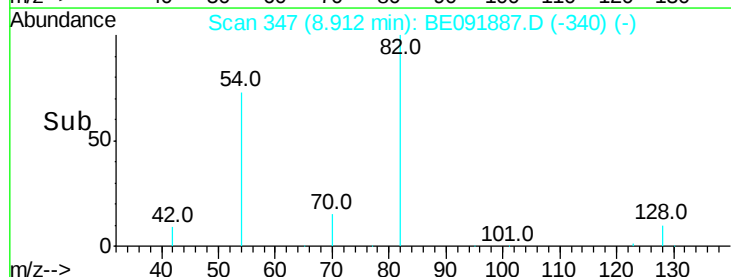


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

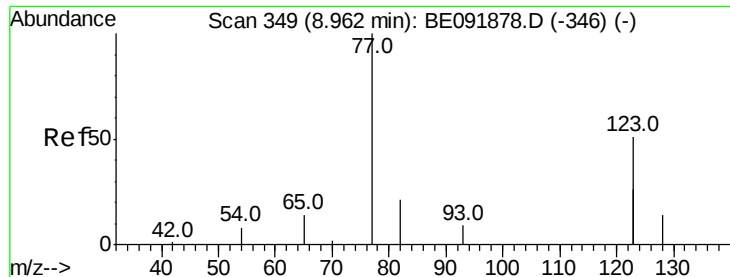
Ion 54.00 (53.70 to 54.70): BE0

Time-->



Abundance

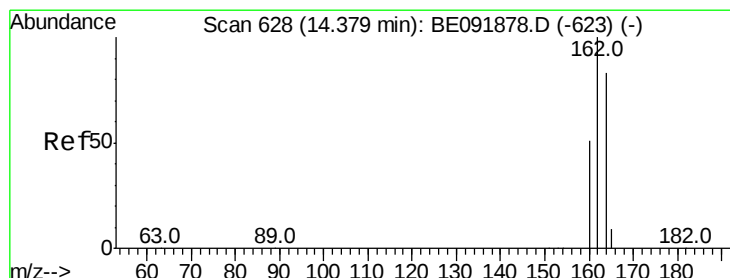
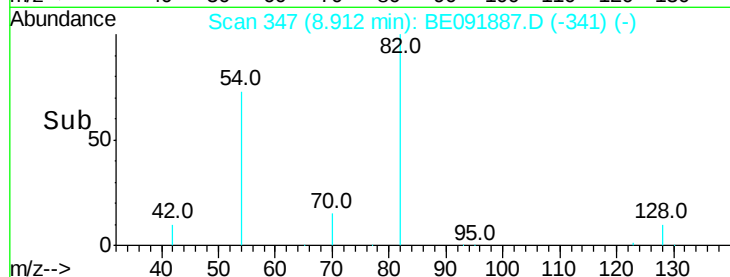
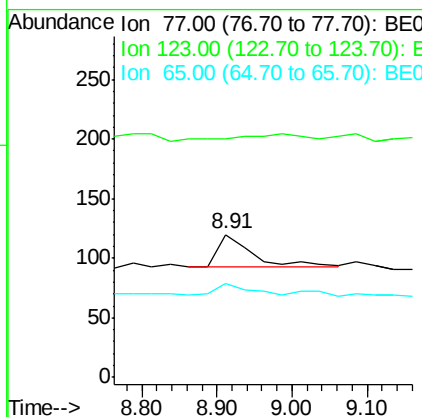
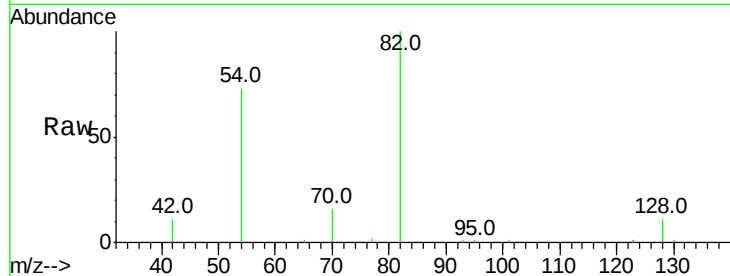
Time-->



#10
Nitrobenzene
Concen: 0.06 ng
RT: 8.91 min Scan# 347
Delta R.T. -0.05 min
Lab File: BE091887.D
Acq: 7 Jun 2016 22:13

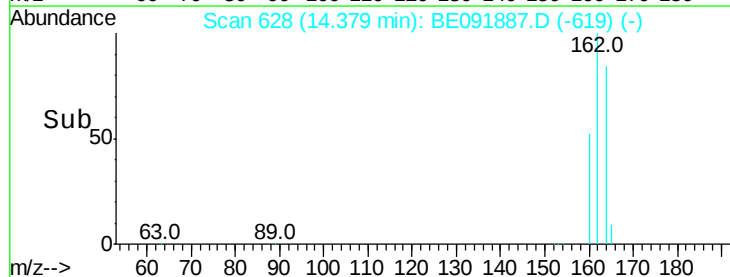
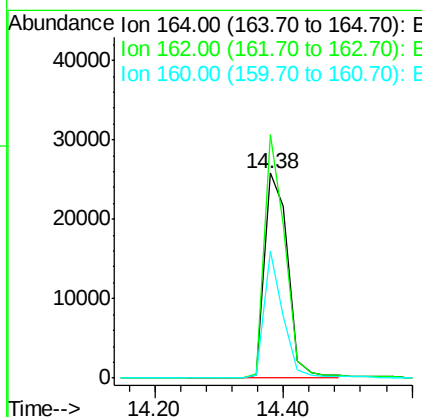
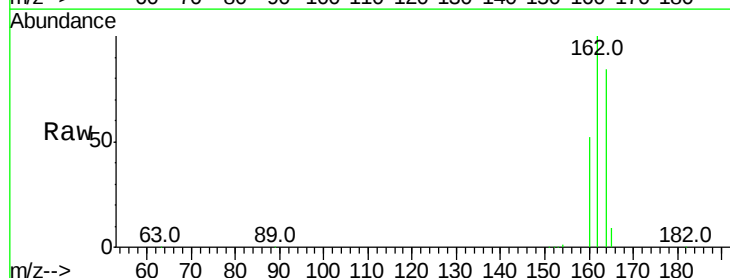
Instrument :
BNA_E
ClientSampleId :

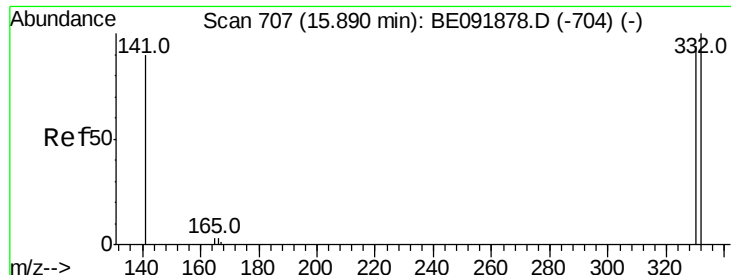
Tot Ion: 77 Resp: 83
Ion Ratio Lower Upper
77 100
123 0.0 0.0 0.0
65 39.8 11.1 16.7#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE091887.D
Acq: 7 Jun 2016 22:13

Tgt Ion: 164 Resp: 64822
Ion Ratio Lower Upper
164 100
162 118.8 71.8 107.8#
160 62.1 28.0 42.0#

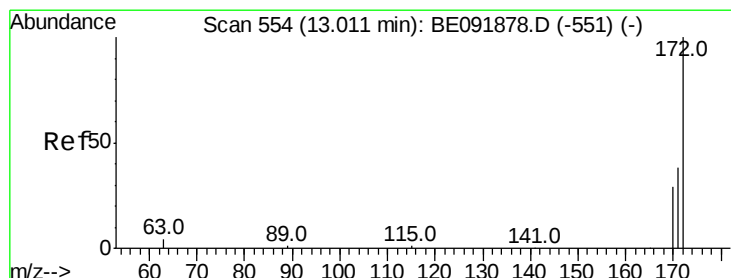
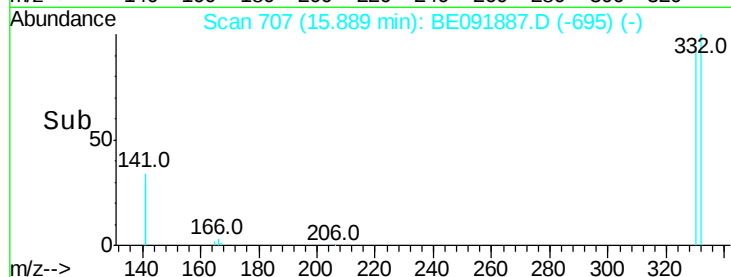
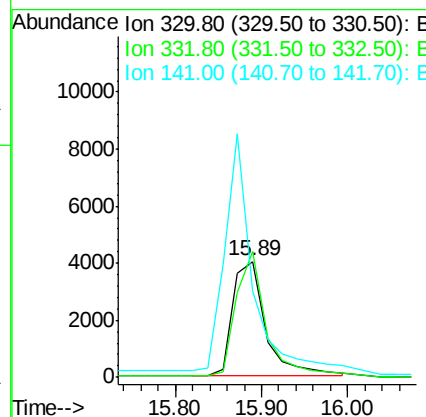
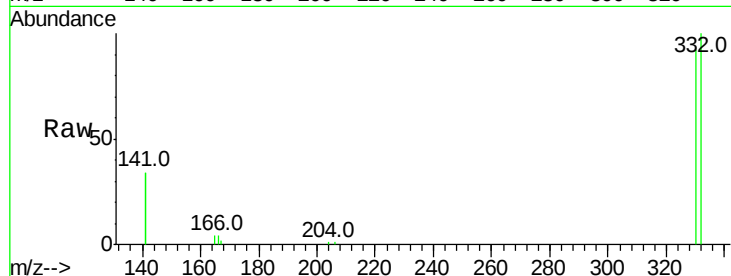




#16
 2,4,6-Tribromophenol
 Concen: 5.82 ng
 RT: 15.89 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091887.D
 Acq: 7 Jun 2016 22:13

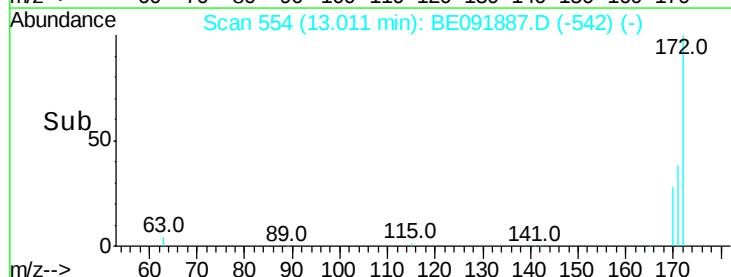
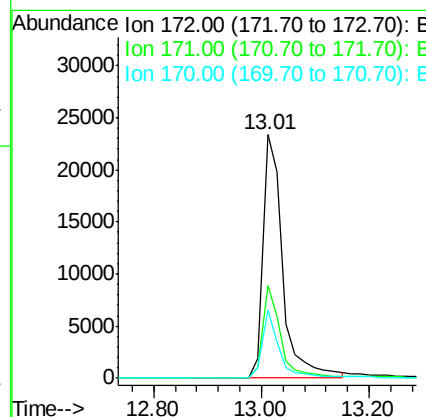
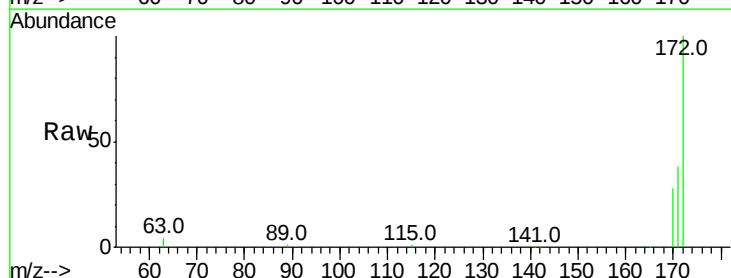
Instrument :
 BNA_E
 ClientSampleId :

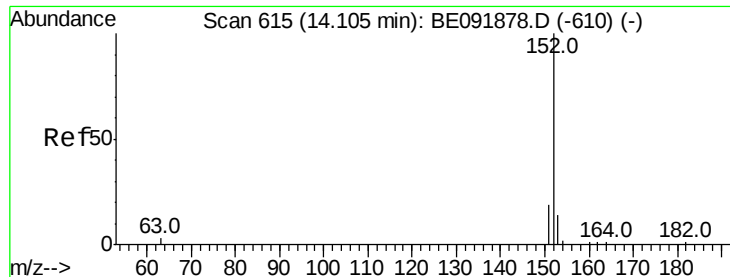
Tot Ion:330 Resp: 10752
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 170.3 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 2.98 ng
 RT: 13.01 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BE091887.D
 Acq: 7 Jun 2016 22:13

Tgt Ion:172 Resp: 58652
 Ion Ratio Lower Upper
 172 100
 171 38.3 24.3 36.5#
 170 28.0 14.9 22.3#





#18

Acenaphthylene

Concen: 0.02 ng

RT: 14.10 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

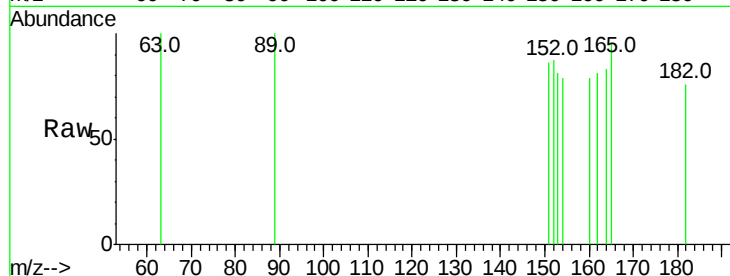
Tot Ion:152 Resp: 591

Ion Ratio Lower Upper

152 100

151 0.0 19.4 29.2#

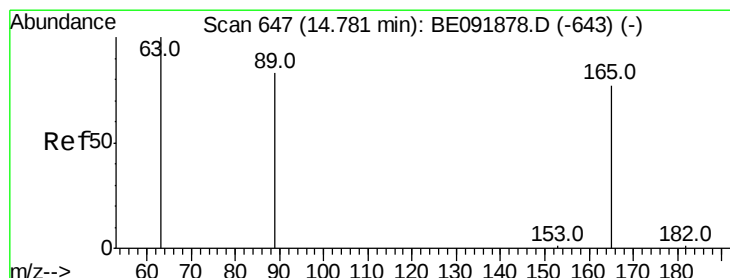
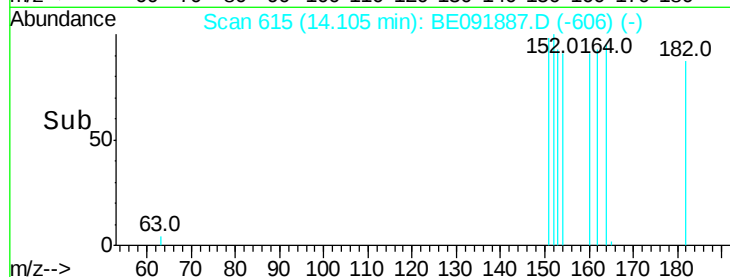
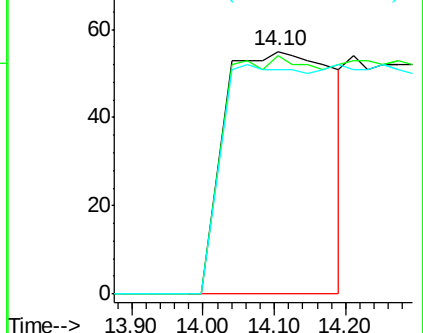
153 0.0 14.4 21.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#21

2,4-Dinitrotoluene

Concen: 1.79 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.38 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Tgt Ion:165 Resp: 8439

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

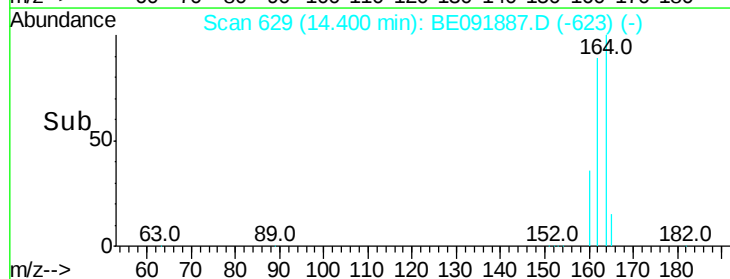
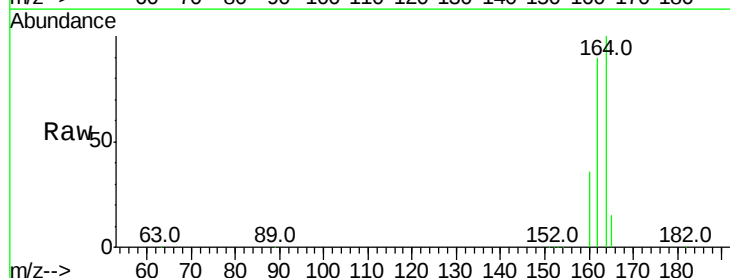
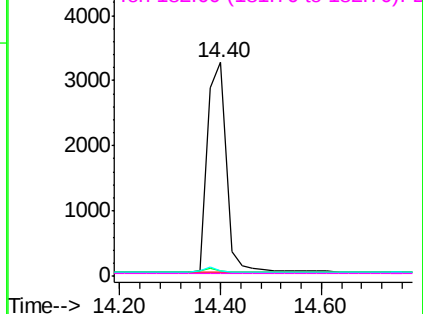
182 0.0 0.0 0.0

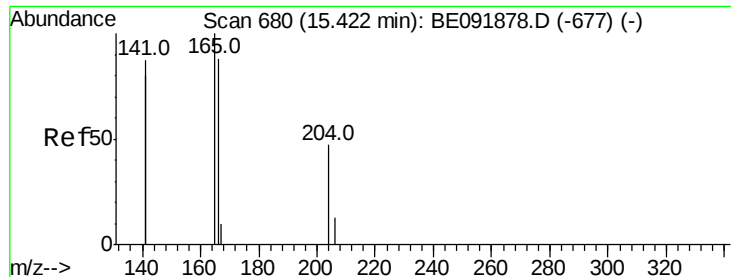
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.06 ng

RT: 15.06 min Scan# 659

Delta R.T. -0.36 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

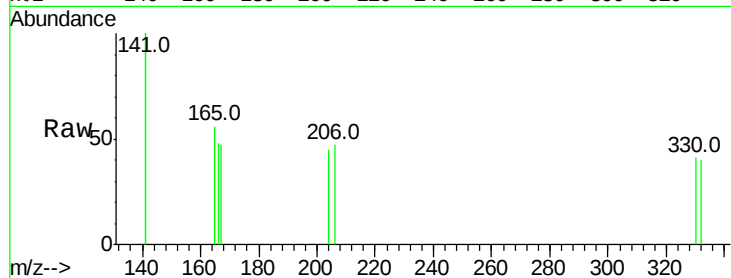
Tot Ion:204 Resp: 651

Ion Ratio Lower Upper

204 100

206 39.3 27.8 41.6

141 0.0 197.6 296.4#

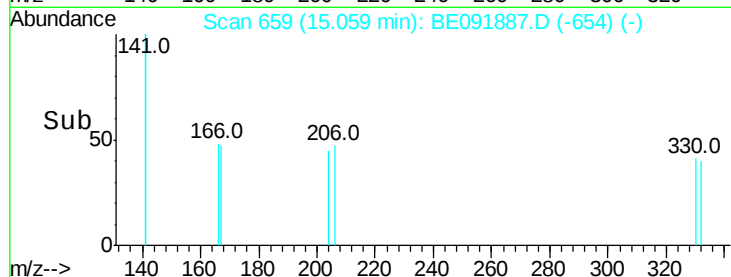


Abundance Ion 204.00 (203.70 to 204.70): E

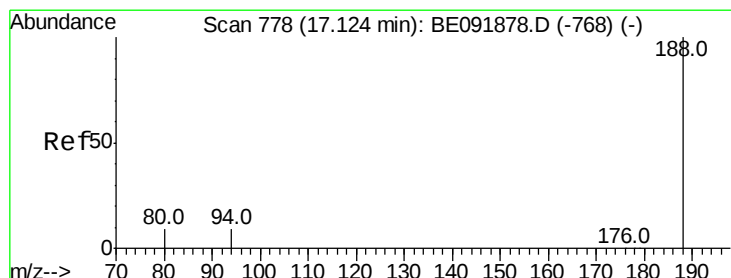
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.13 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

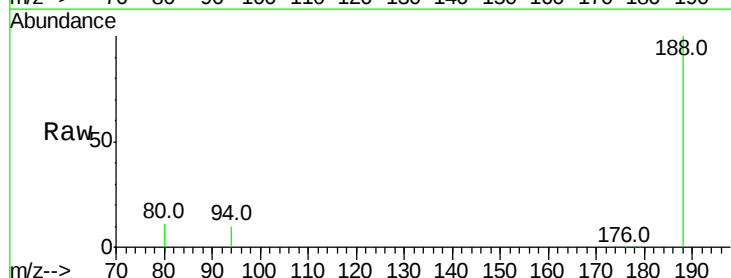
Tgt Ion:188 Resp: 202674

Ion Ratio Lower Upper

188 100

94 10.5 4.1 6.1#

80 10.5 3.4 5.2#

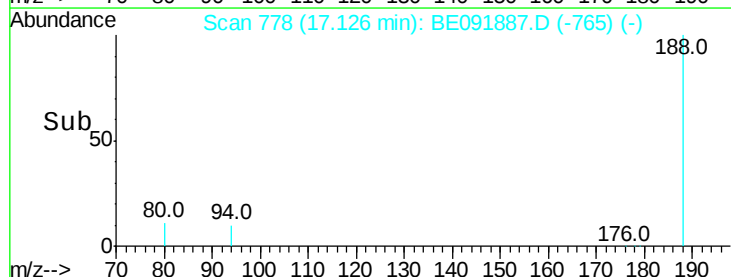


Abundance Ion 188.00 (187.70 to 188.70): E

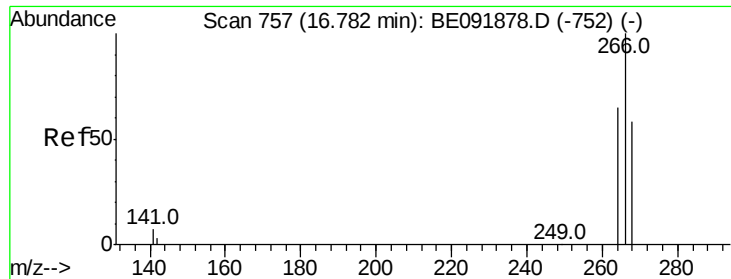
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time-->



Time-->



#27

Pentachlorophenol

Concen: 0.05 ng

RT: 16.82 min Scan# 759

Delta R.T. 0.04 min

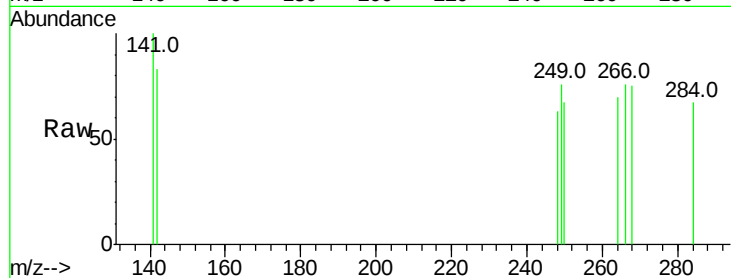
Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

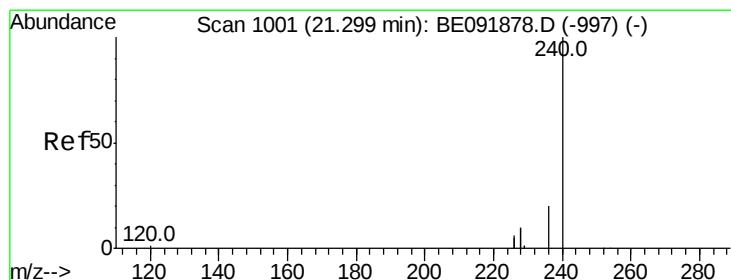
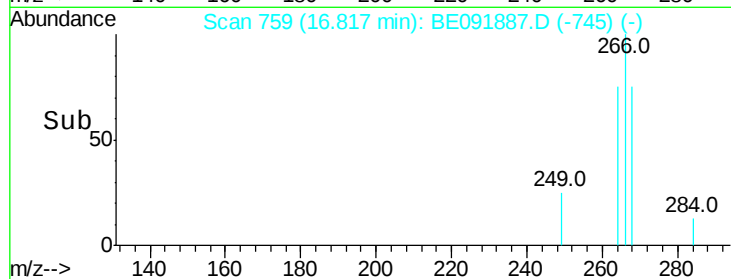
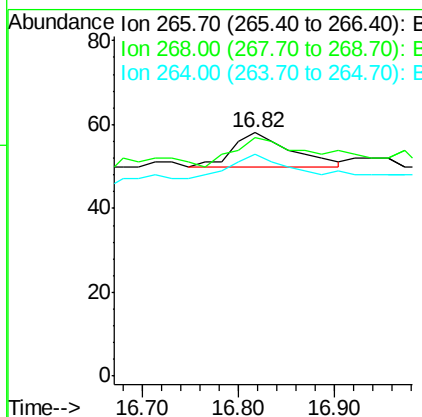
Instrument :

BNA_E

ClientSampleId :



Tot Ion:	266	Resp:	33
Ion	Ratio	Lower	Upper
266	100		
268	98.3	60.5	90.7#
264	91.4	51.0	76.4#



#31

Chrysene-d12

Concen: 5.00 ng

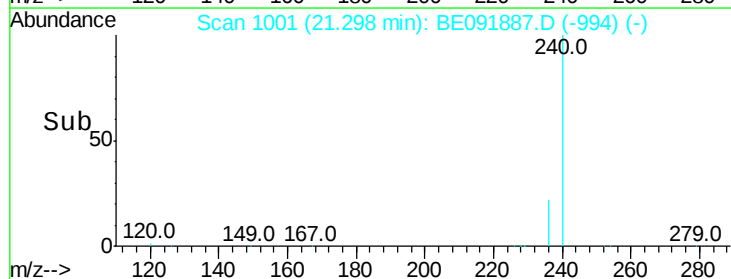
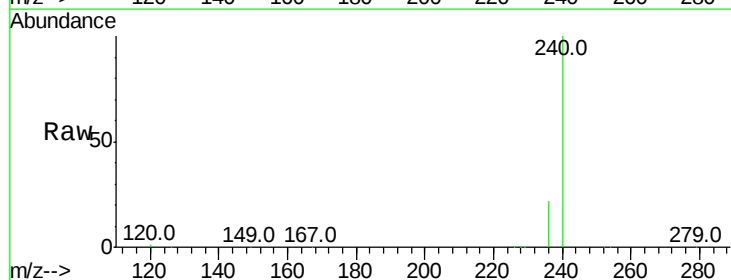
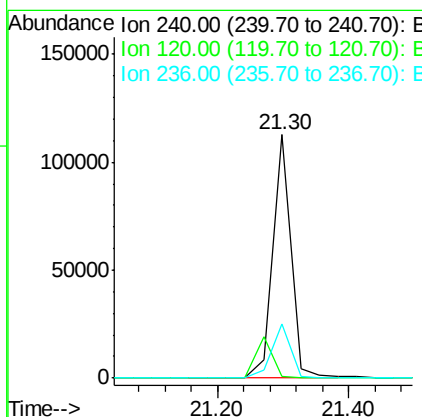
RT: 21.30 min Scan# 1001

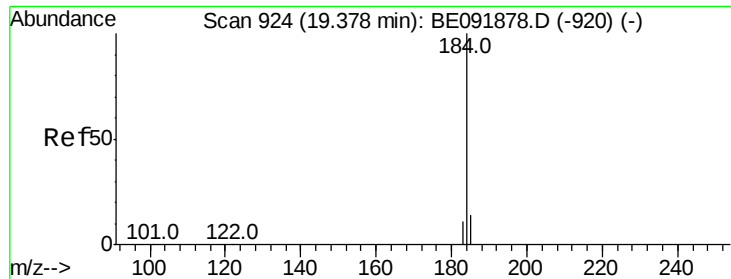
Delta R.T. -0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Tgt Ion:	240	Resp:	216934
Ion	Ratio	Lower	Upper
240	100		
120	0.8	1.2	1.8#
236	22.4	19.8	29.8





#32

Benzidine

Concen: 0.11 ng

RT: 19.42 min Scan# 926

Delta R.T. 0.04 min

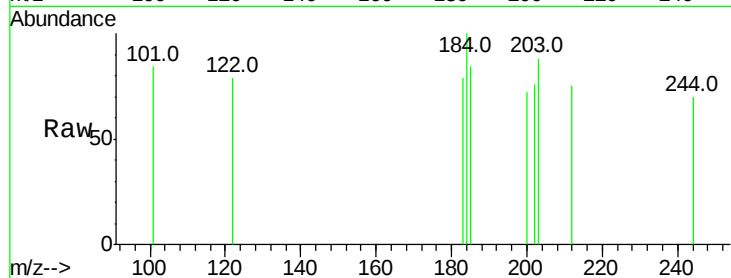
Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :



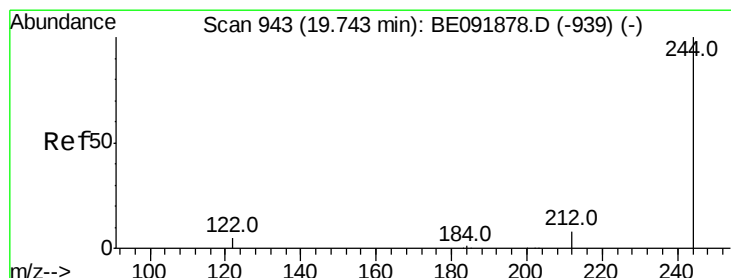
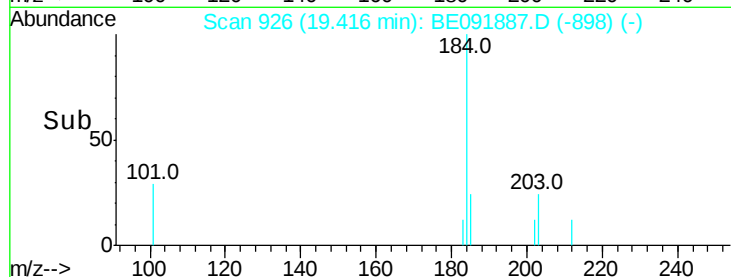
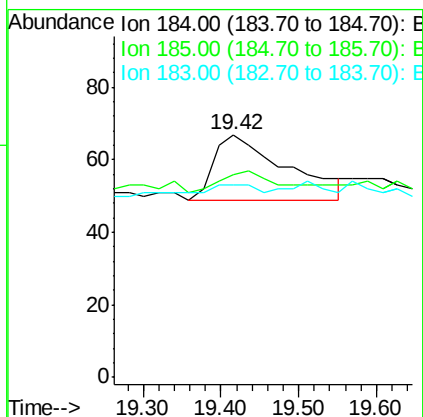
Tot Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

185 83.6 11.4 17.2#

183 79.1 11.8 17.6#



#34

Terphenyl-d14

Concen: 3.01 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

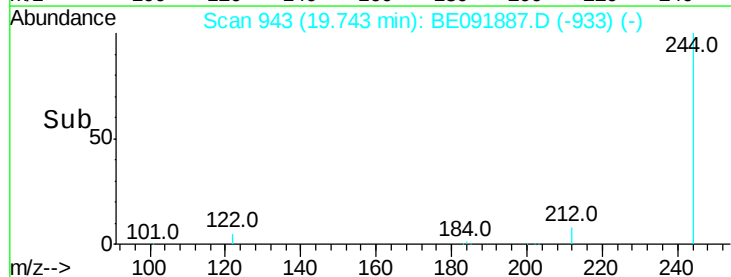
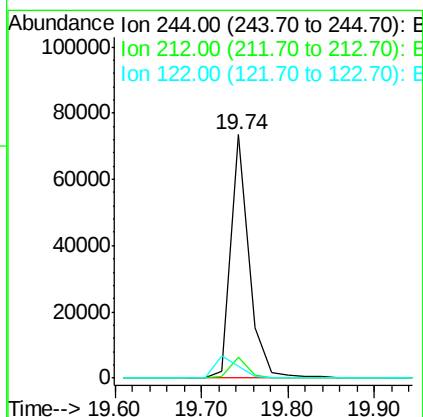
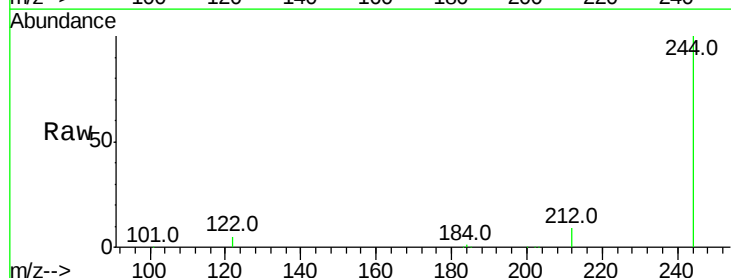
Tgt Ion:244 Resp: 108405

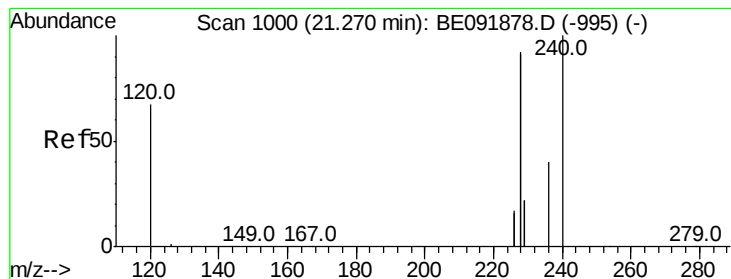
Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

122 5.0 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: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

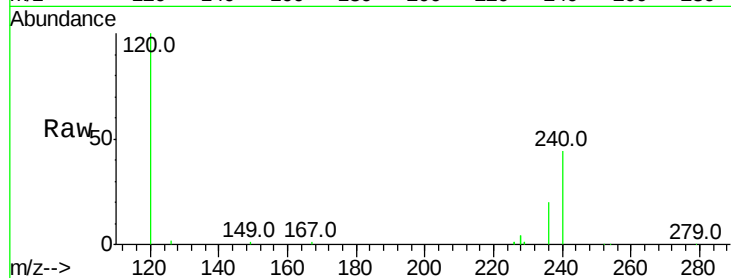
Tot Ion:228 Resp: 6173

Ion Ratio Lower Upper

228 100

226 30.4 21.0 31.4

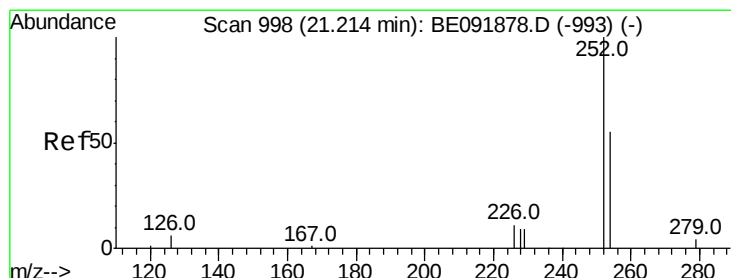
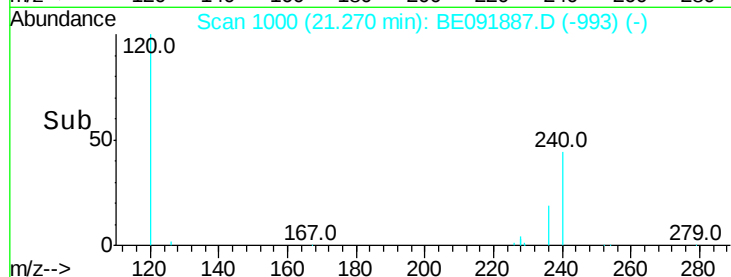
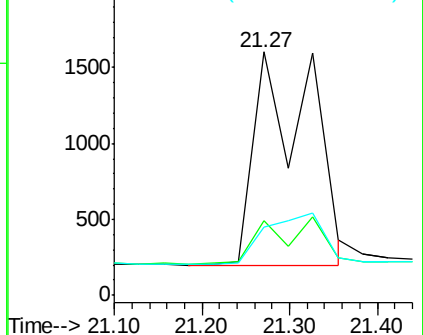
229 27.8 15.8 23.8#



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



#36

3,3'-Dichlorobenzidine

Concen: 0.10 ng

RT: 21.27 min Scan# 1000

Delta R.T. 0.06 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

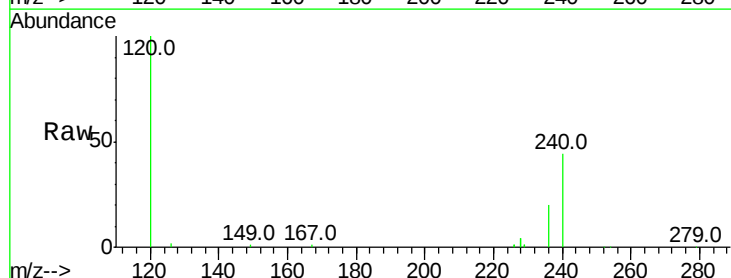
Tgt Ion:252 Resp: 34

Ion Ratio Lower Upper

252 100

254 72.6 61.5 92.3

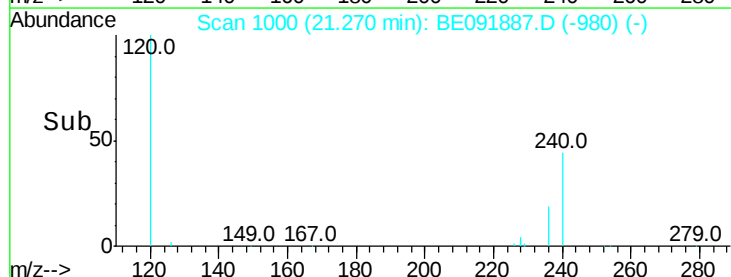
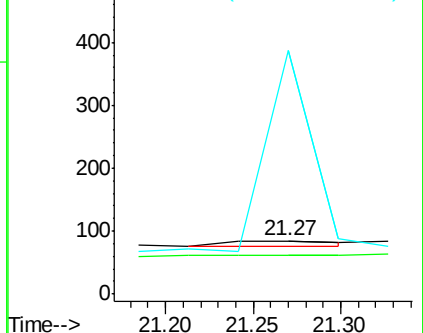
126 460.7 2.5 3.7#

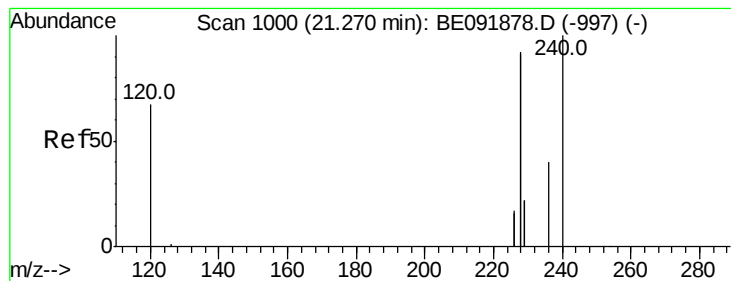


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.03 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

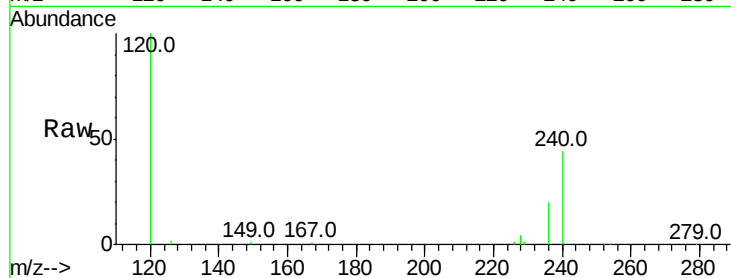
Tot Ion:228 Resp: 6374

Ion Ratio Lower Upper

228 100

226 30.4 27.0 40.6

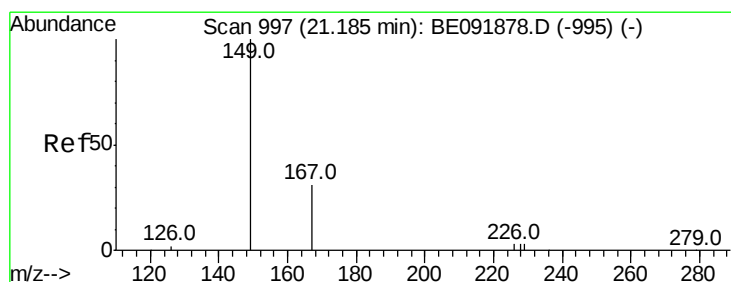
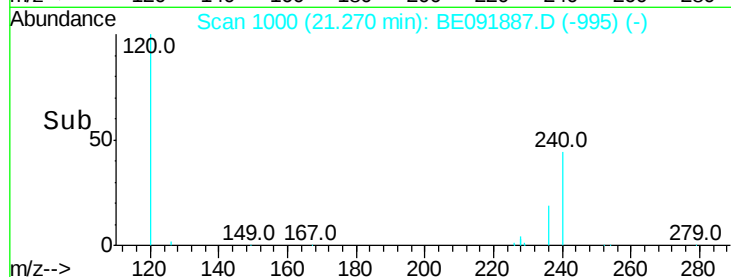
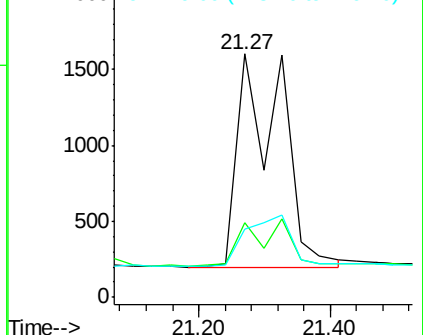
229 27.8 13.8 20.8#



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: 0.14 ng

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

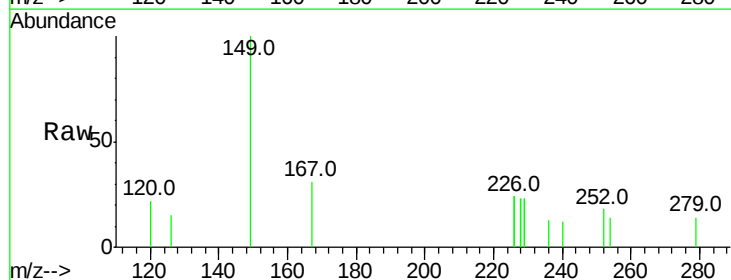
Tgt Ion:149 Resp: 518

Ion Ratio Lower Upper

149 100

167 24.9 0.0 0.0#

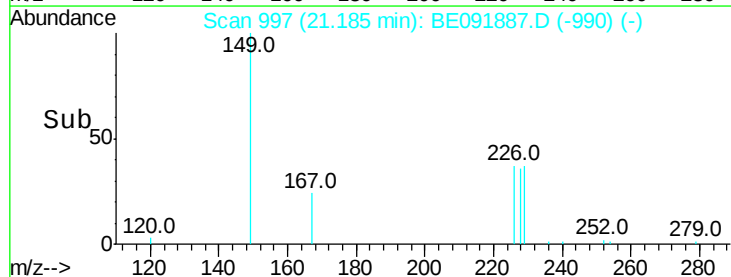
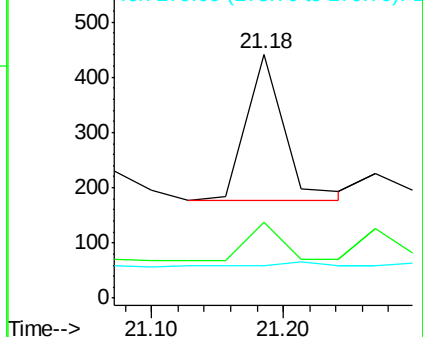
279 0.0 0.0 0.0

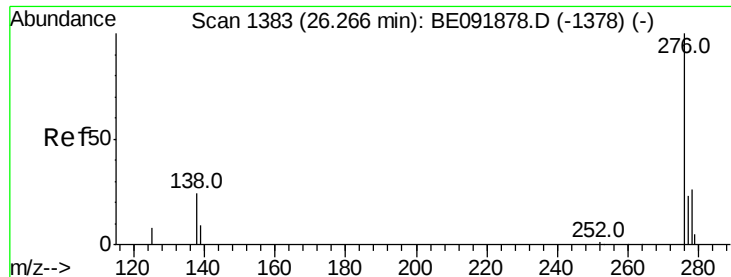


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.31 min Scan# 1385

Delta R.T. 0.05 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

Instrument :

BNA_E

ClientSampleId :

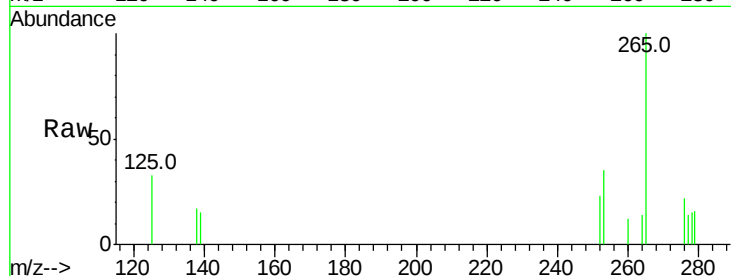
Tot Ion:276 Resp: 245

Ion Ratio Lower Upper

276 100

138 45.3 19.7 29.5#

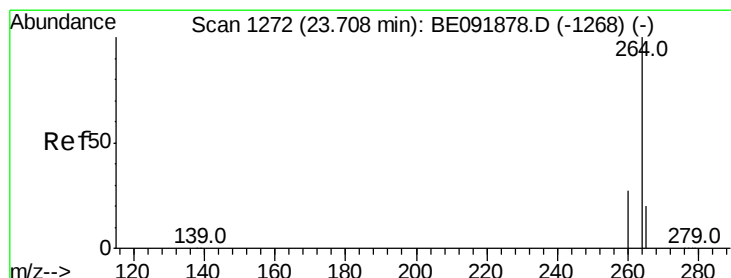
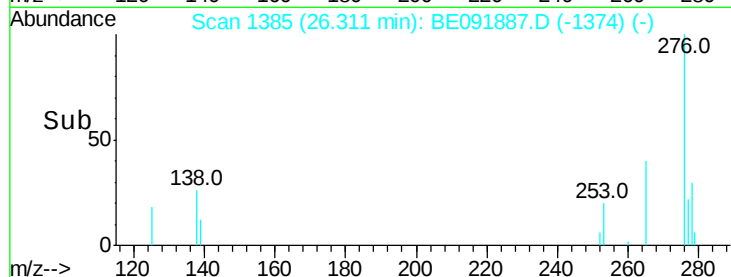
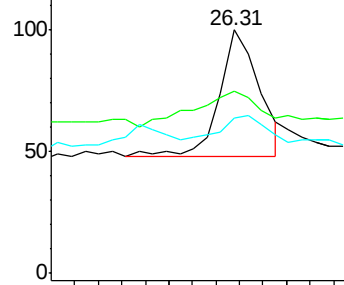
277 0.0 20.1 30.1#



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.73 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE091887.D

Acq: 7 Jun 2016 22:13

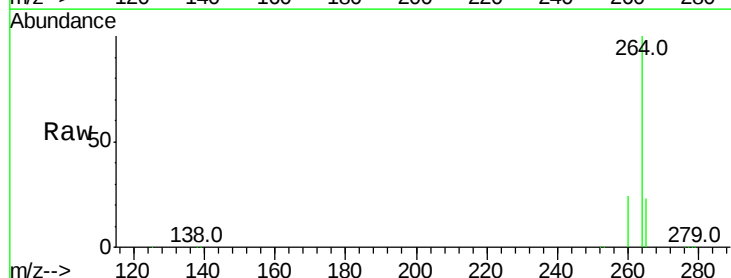
Tgt Ion:264 Resp: 220887

Ion Ratio Lower Upper

264 100

260 23.8 20.3 30.5

265 22.8 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

