

Data Path : Z:\HPCHEM1\BNA_E\Data\BE061616\
 Data File : BE091939.D
 Acq On : 16 Jun 2016 16:41
 Operator : UM/SJ
 Sample : H3357-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KY038PS038-160531

Quant Time: Jun 16 17:40:53 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	25390	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	114650	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	85748	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	175281	5.00	ng	0.00
31) Chrysene-d12	21.76	240	305575	5.00	ng	0.00
40) Perylene-d12	24.16	264	215525	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	12659	2.55	ng	0.00
5) Phenol-d6	7.37	99	9964	1.34	ng	0.02
9) Nitrobenzene-d5	9.36	82	25005	3.16	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	15076	6.77	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	73065	3.36	ng	0.00
34) Terphenyl-d14	20.22	244	149515	4.00	ng	0.00

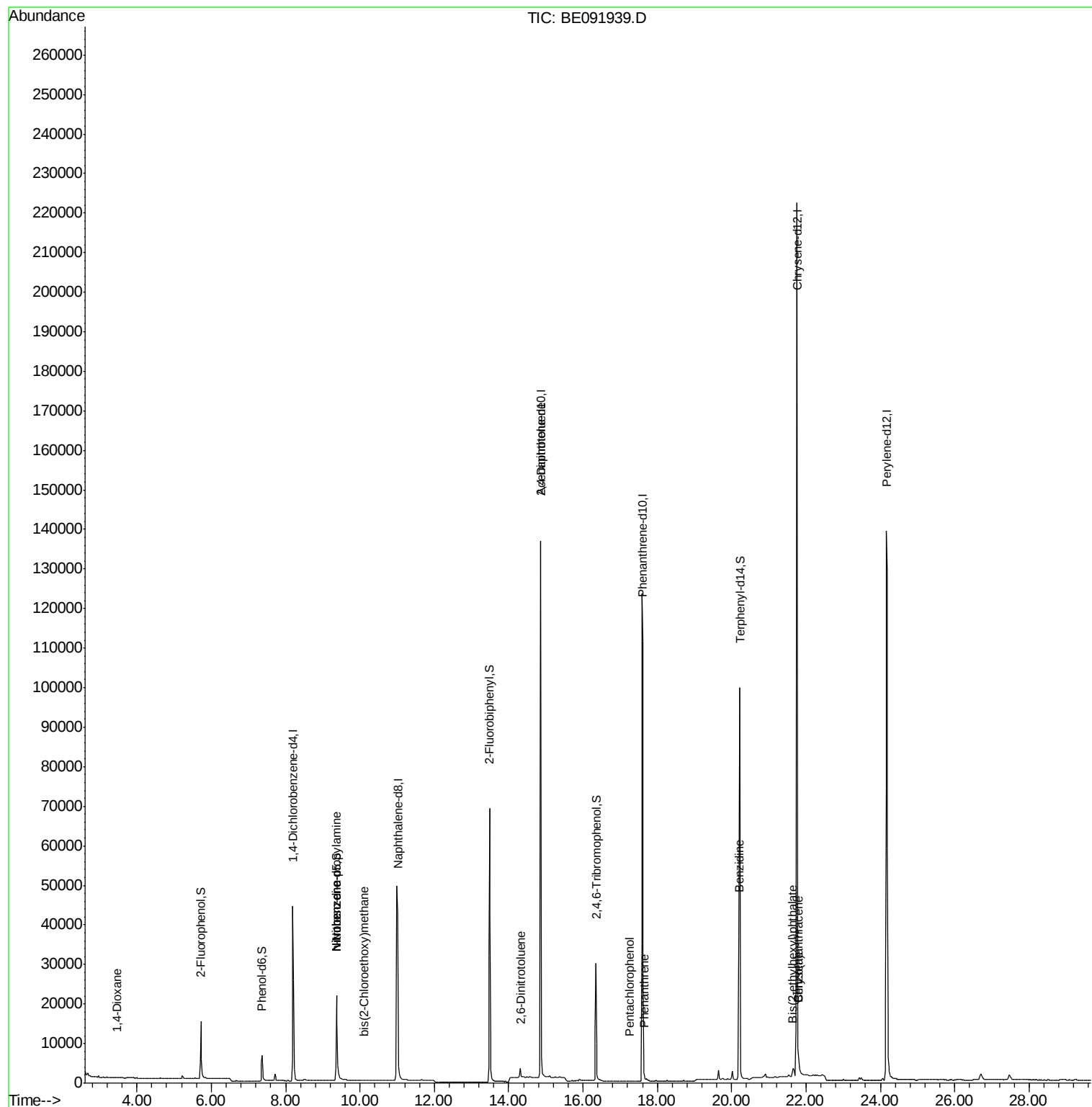
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	175	0.05	ng	# 72
7) n-Nitroso-di-n-propylamine	9.36	70	3054	0.55	ng	# 89
10) Nitrobenzene	9.36	77	122	0.07	ng	# 29
11) bis(2-Chloroethoxy)methane	10.12	93	817	0.08	ng	# 1
19) 2,6-Dinitrotoluene	14.32	165	2243	0.36	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	41835	2.50	ng	# 1
27) Pentachlorophenol	17.26	266	77	0.11	ng	# 81
28) Phenanthrene	17.64	178	913	0.02	ng	# 80
32) Benzidine	20.20	184	2964	0.35	ng	# 92
35) Benzo(a)anthracene	21.79	228	2759	0.06	ng	# 83
37) Chrysene	21.79	228	2794	0.04	ng	# 90
38) Bis(2-ethylhexyl)phthalate	21.64	149	6241	0.12	ng	# 100

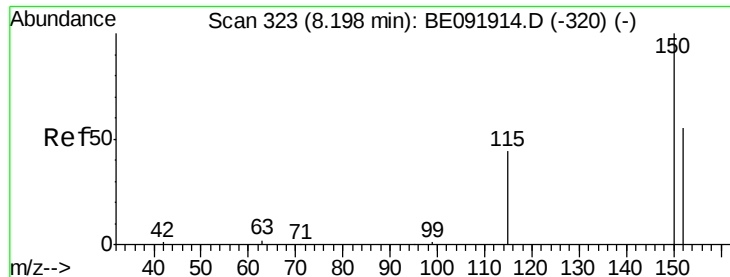
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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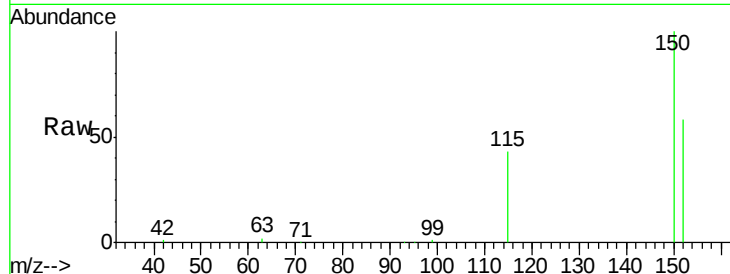




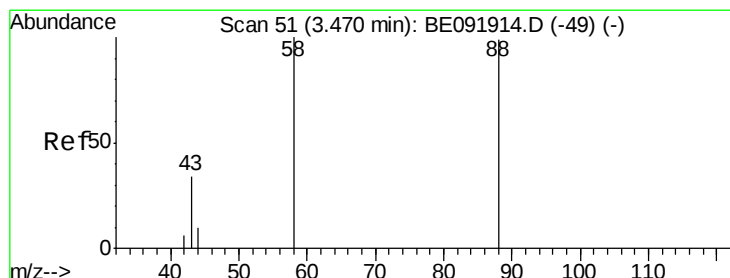
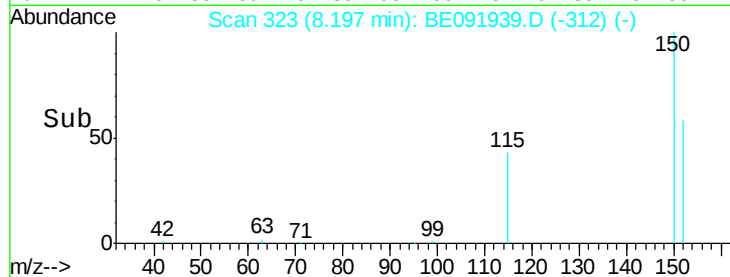
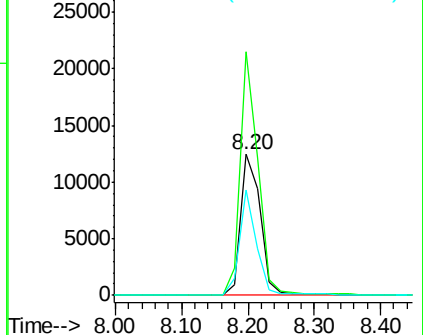
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.20 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: BE091939.D
 Acq: 16 Jun 2016 16:41

Instrument :
 BNA_F
 ClientSampleId :
 KY038PS038-160531

Tgt Ion: 152 Resp: 25390
 Ion Ratio Lower Upper
 152 100
 150 172.5 123.9 185.9
 115 75.0 48.3 72.5#

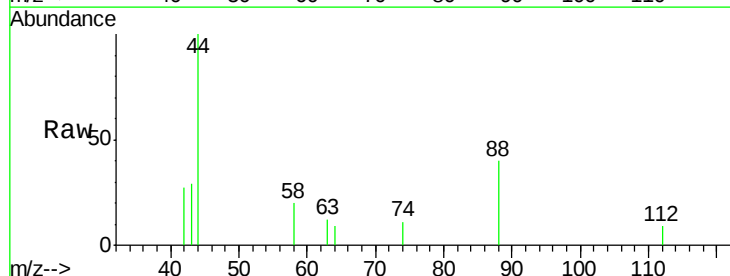


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

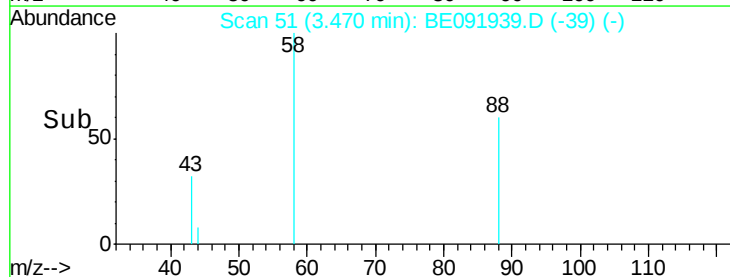
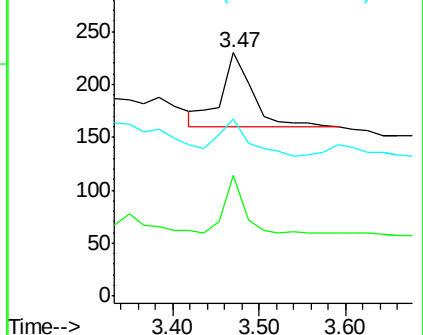


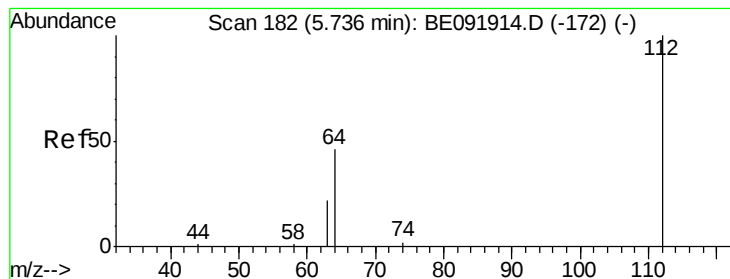
#2
 1,4-Dioxane
 Concen: 0.05 ng
 RT: 3.47 min Scan# 51
 Delta R.T. 0.00 min
 Lab File: BE091939.D
 Acq: 16 Jun 2016 16:41

Tgt Ion: 88 Resp: 175
 Ion Ratio Lower Upper
 88 100
 58 50.9 63.0 94.4#
 43 47.4 29.1 43.7#



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





#4

2-Fluorophenol

Concen: 2.55 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

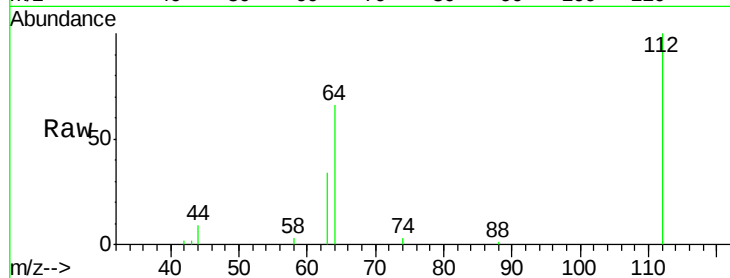
Tgt Ion: 112 Resp: 12659

Ion Ratio Lower Upper

112 100

64 67.4 53.7 80.5

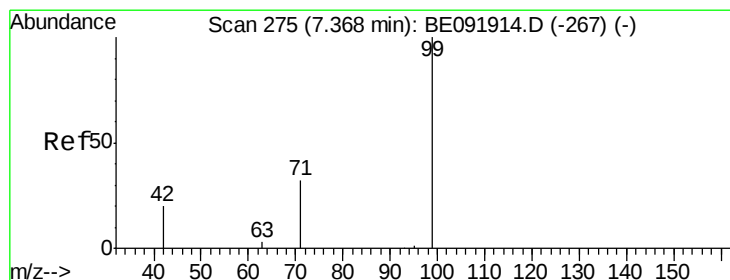
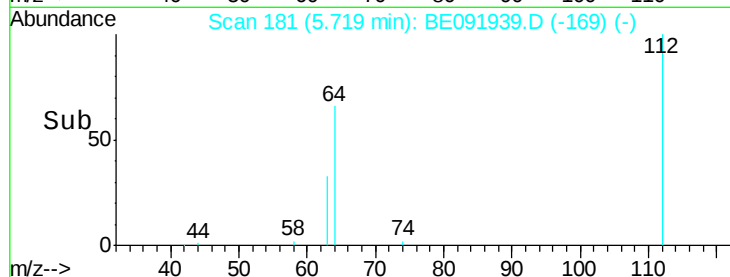
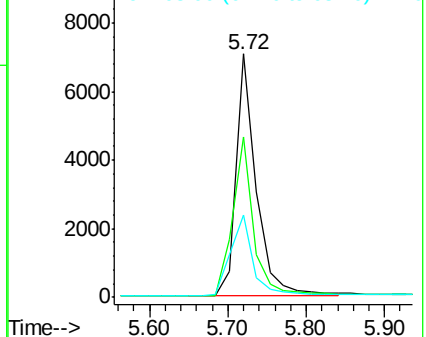
63 36.4 29.5 44.3



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: 1.34 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

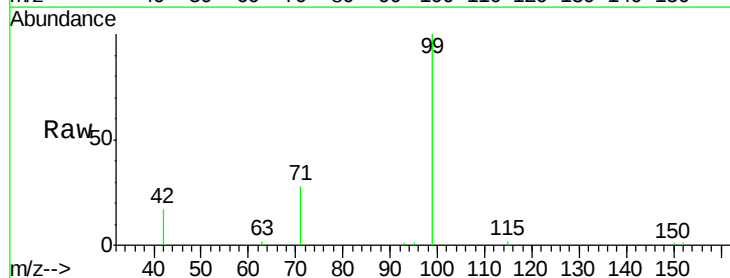
Tgt Ion: 99 Resp: 9964

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

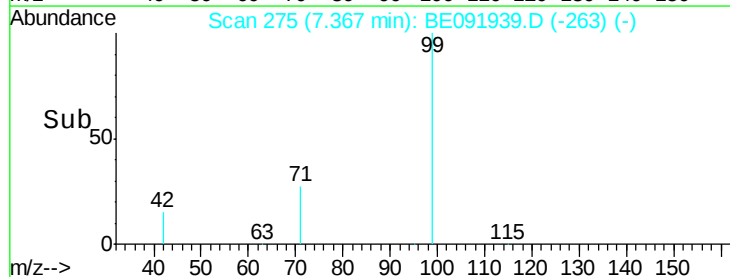
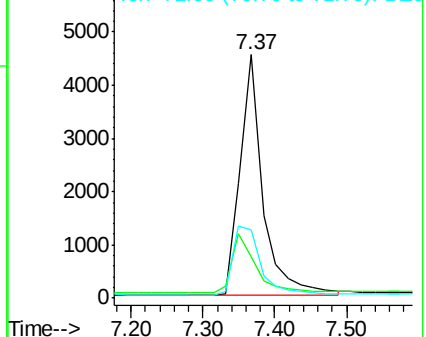
71 35.5 28.1 42.1

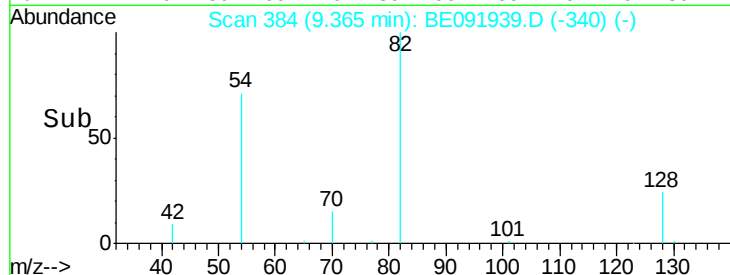
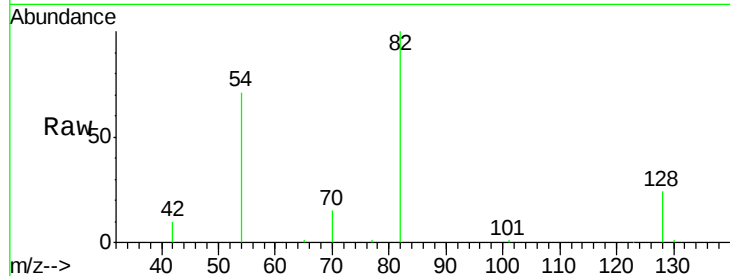
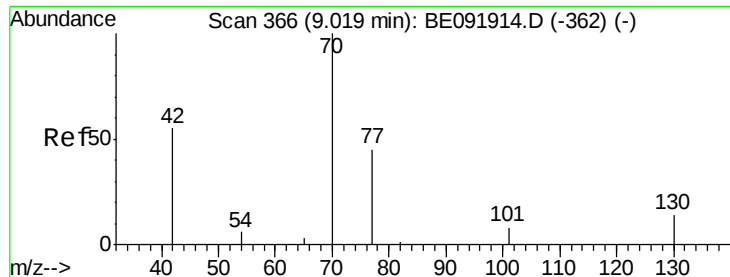


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 0.55 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.36 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

Tgt Ion: 70 Resp: 3054

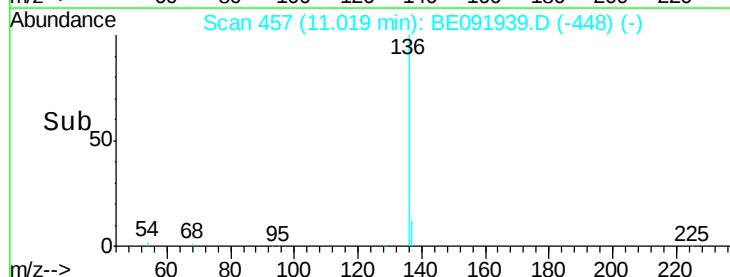
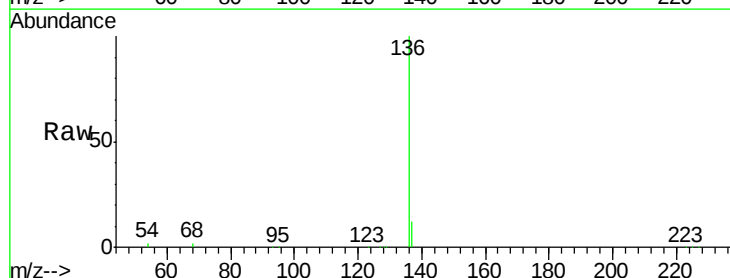
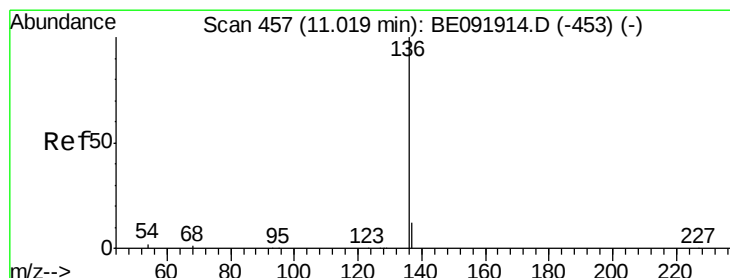
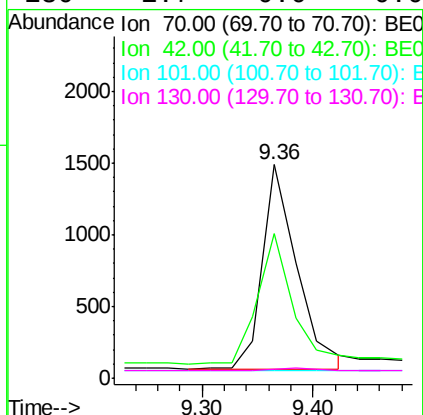
Ion Ratio Lower Upper

70 100

42 65.1 58.4 87.6

101 0.0 6.4 9.6#

130 1.7 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Tgt Ion: 136 Resp: 114650

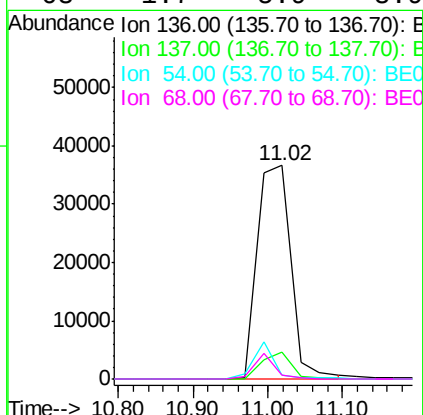
Ion Ratio Lower Upper

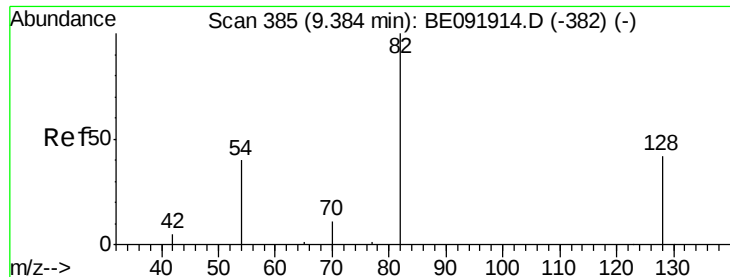
136 100

137 12.5 8.3 12.5

54 2.1 8.2 12.4#

68 1.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.16 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

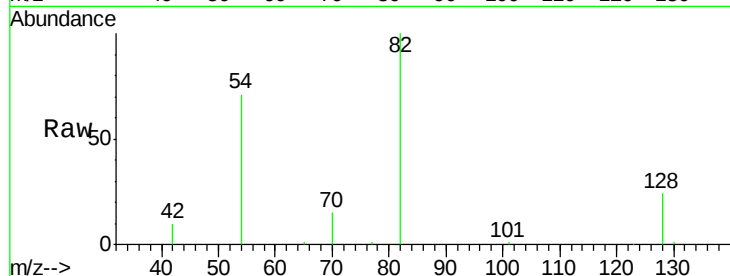
Tgt Ion: 82 Resp: 25005

Ion Ratio Lower Upper

82 100

128 24.0 39.5 59.3#

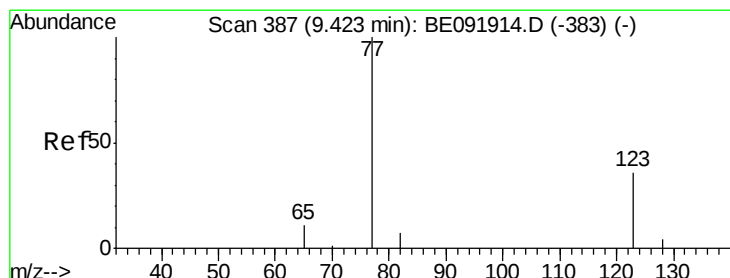
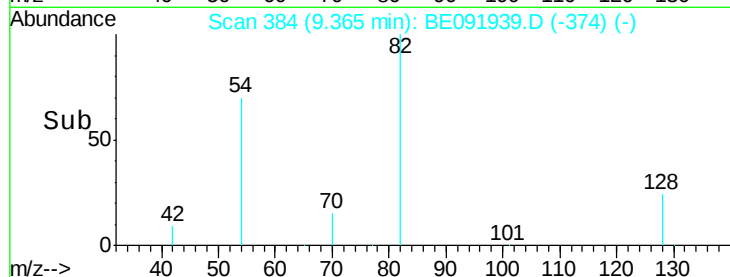
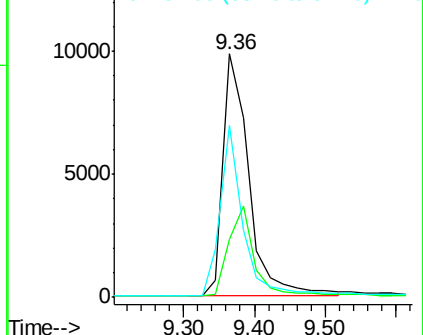
54 70.6 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE091914.D (-382) (-)

Ion 128.00 (127.70 to 128.70): BE091914.D (-382) (-)

Ion 54.00 (53.70 to 54.70): BE091914.D (-382) (-)



#10

Nitrobenzene

Concen: 0.07 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.04 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

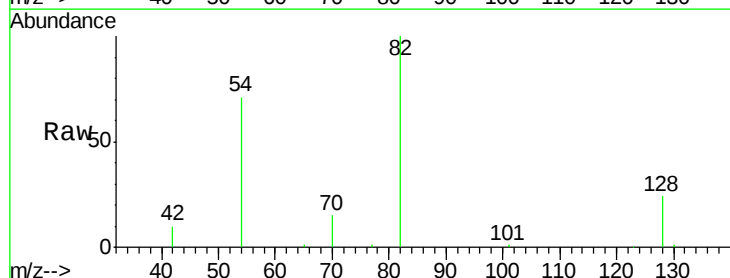
Tgt Ion: 77 Resp: 122

Ion Ratio Lower Upper

77 100

123 6.6 0.0 0.0#

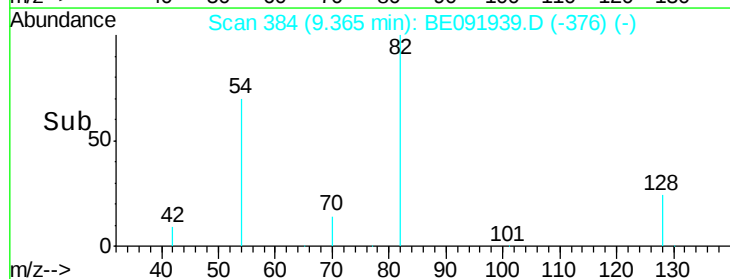
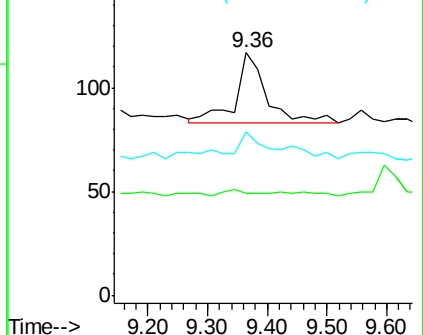
65 42.6 11.1 16.7#

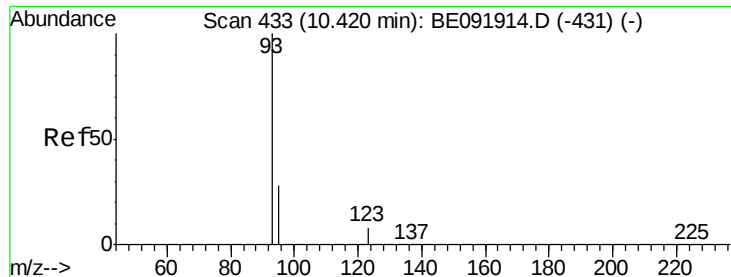


Abundance Ion 77.00 (76.70 to 77.70): BE091914.D (-383) (-)

Ion 123.00 (122.70 to 123.70): BE091914.D (-383) (-)

Ion 65.00 (64.70 to 65.70): BE091914.D (-383) (-)

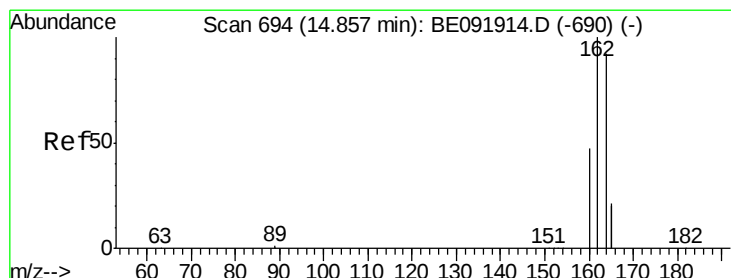
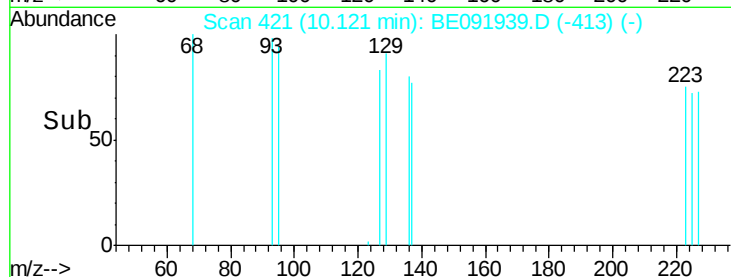
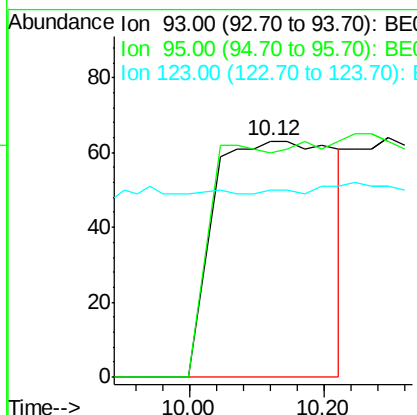
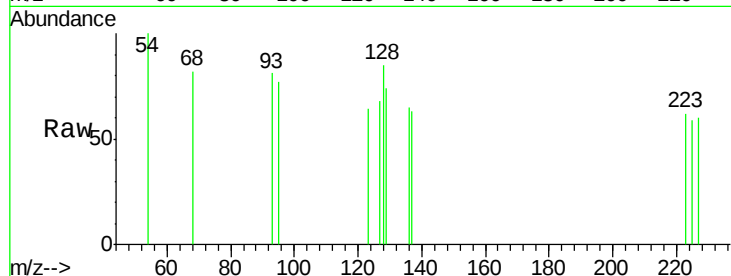




#11
bis(2-Chloroethoxy)methane
Concen: 0.08 ng
RT: 10.12 min Scan# 421
Delta R.T. -0.30 min
Lab File: BE091939.D
Acq: 16 Jun 2016 16:41

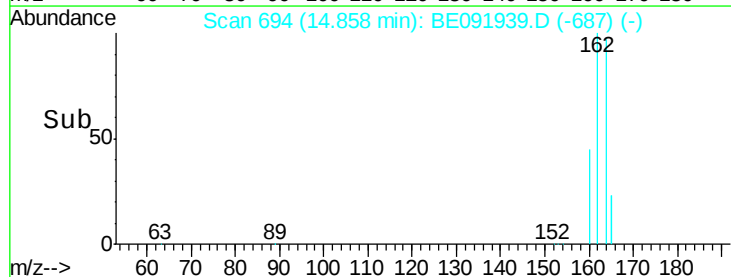
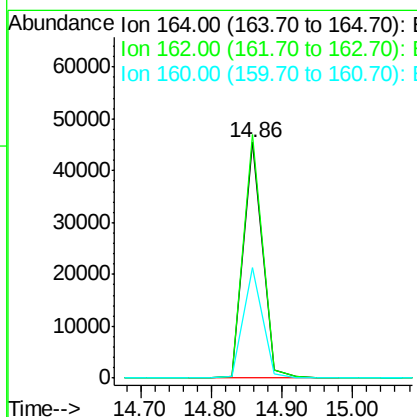
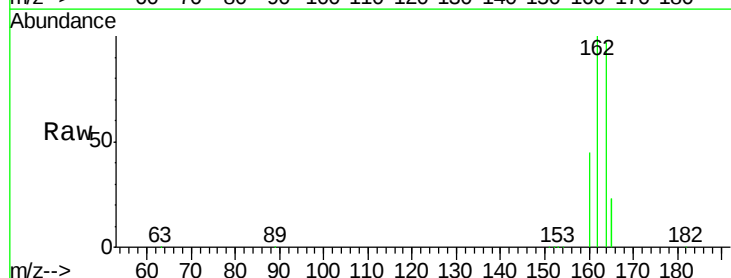
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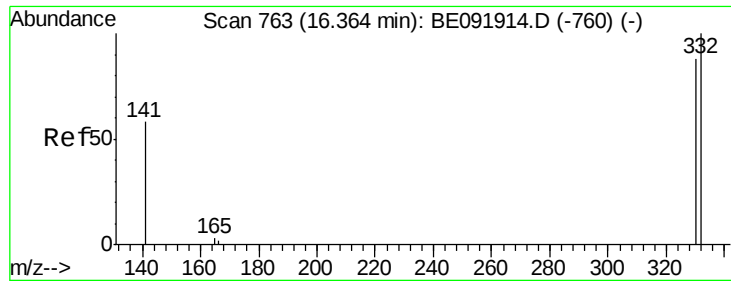
Tgt Ion: 93 Resp: 817
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091939.D
Acq: 16 Jun 2016 16:41

Tgt Ion: 164 Resp: 85748
Ion Ratio Lower Upper
164 100
162 103.5 71.8 107.8
160 46.9 28.0 42.0#

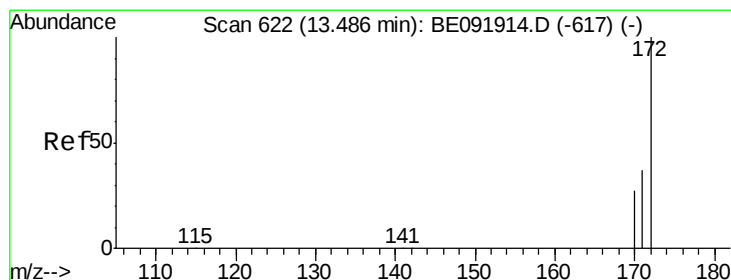
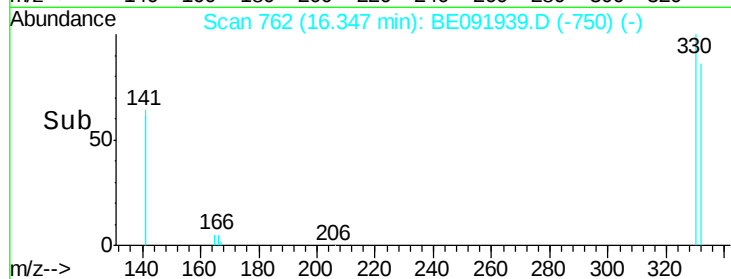
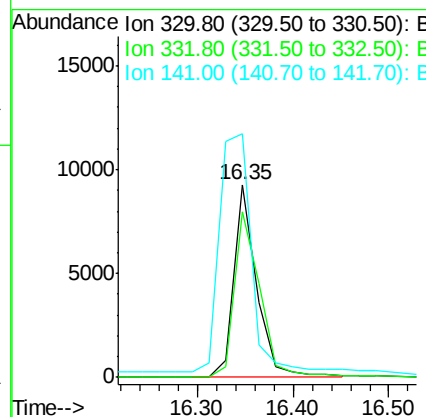
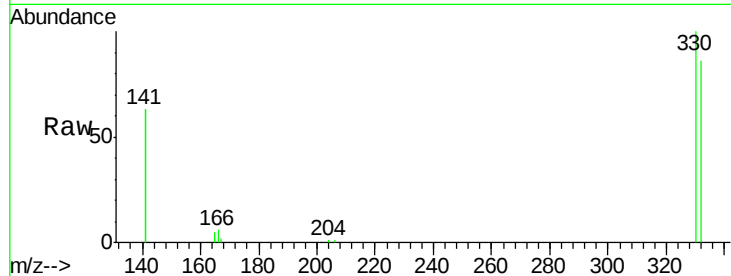




#16
 2,4,6-Tribromophenol
 Concen: 6.77 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091939.D
 Acq: 16 Jun 2016 16:41

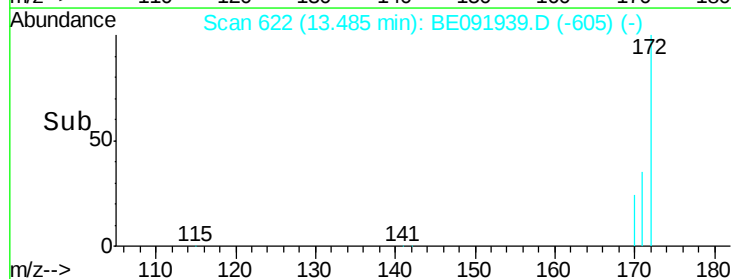
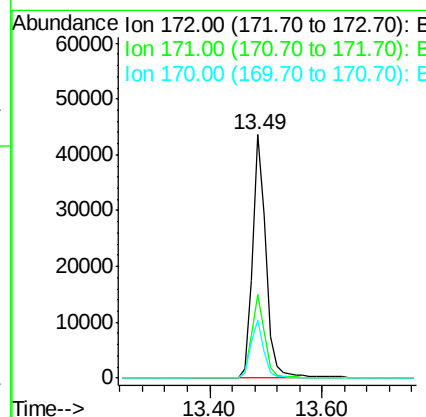
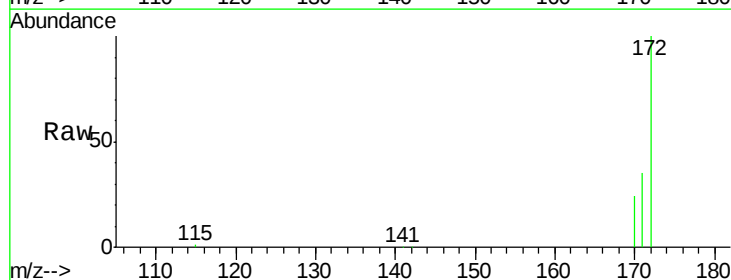
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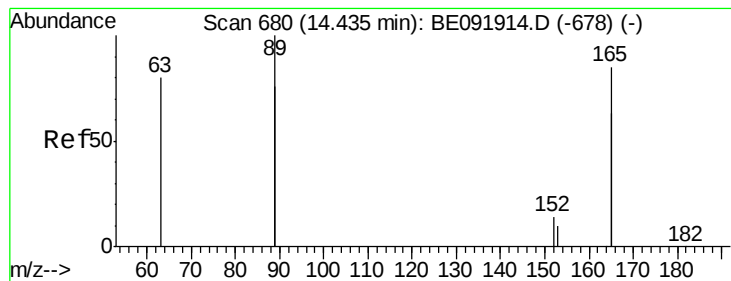
Tgt Ion:330 Resp: 15076
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 174.1 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 3.36 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091939.D
 Acq: 16 Jun 2016 16:41

Tgt Ion:172 Resp: 73065
 Ion Ratio Lower Upper
 172 100
 171 34.6 24.3 36.5
 170 23.9 14.9 22.3#





#19

2,6-Dinitrotoluene

Concen: 0.36 ng

RT: 14.32 min Scan# 676

Delta R.T. -0.12 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

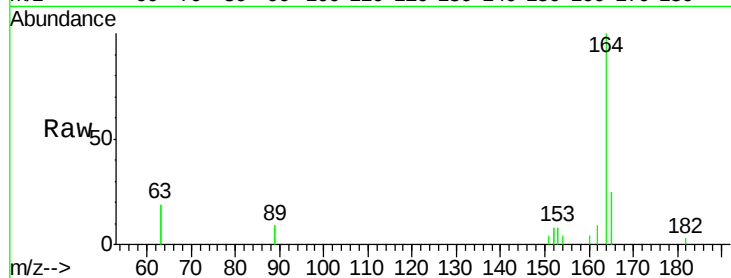
Tgt Ion:165 Resp: 2243

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

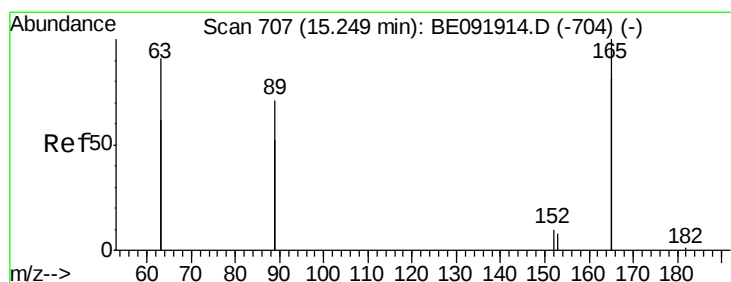
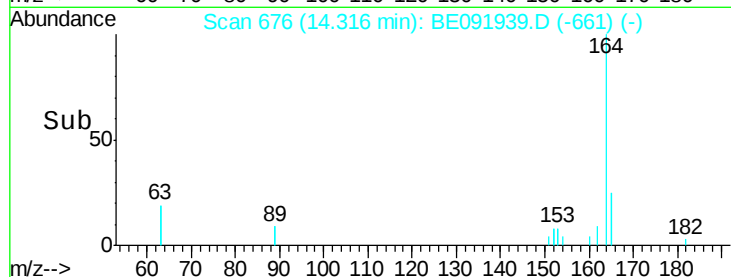
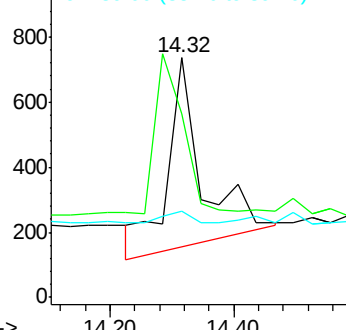
89 0.0 59.1 88.7#



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: 2.50 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.36 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Tgt Ion:165 Resp: 41835

Ion Ratio Lower Upper

165 100

63 1.4 0.0 0.0#

89 1.5 99.8 149.8#

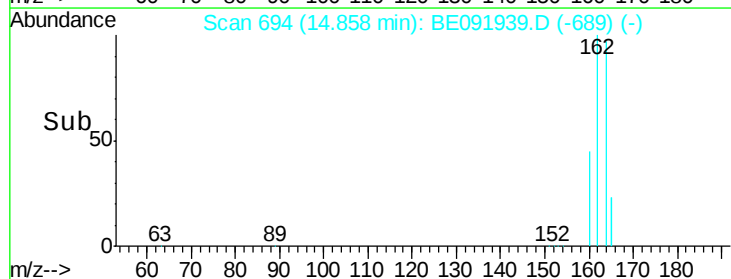
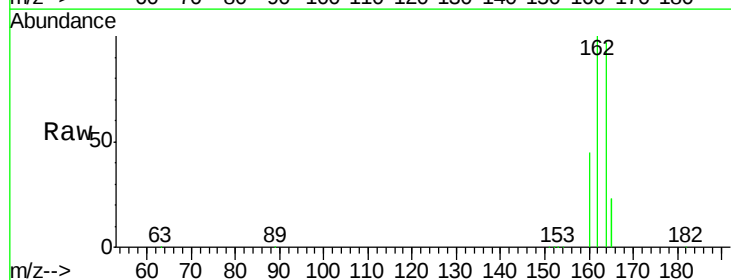
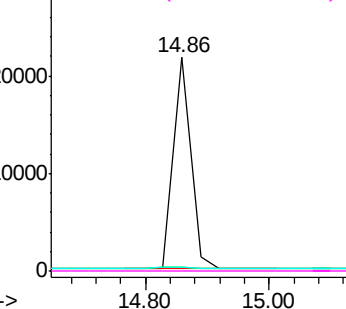
182 0.0 0.0 0.0

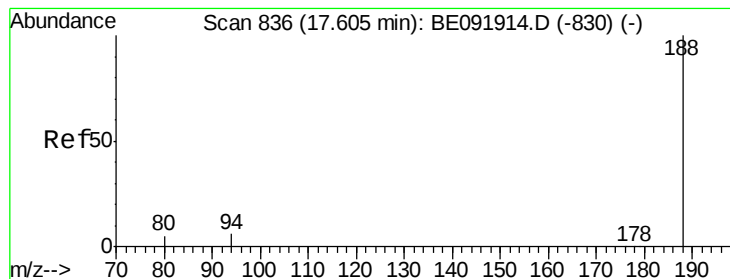
Abundance Ion 165.00 (164.70 to 165.70): E

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





#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.61 min Scan# 837

Delta R.T. 0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

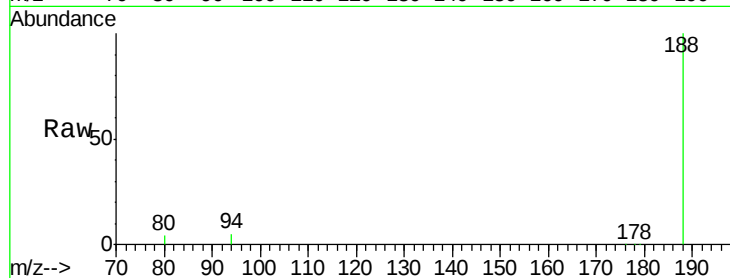
Tgt Ion:188 Resp: 175281

Ion Ratio Lower Upper

188 100

94 4.9 4.1 6.1

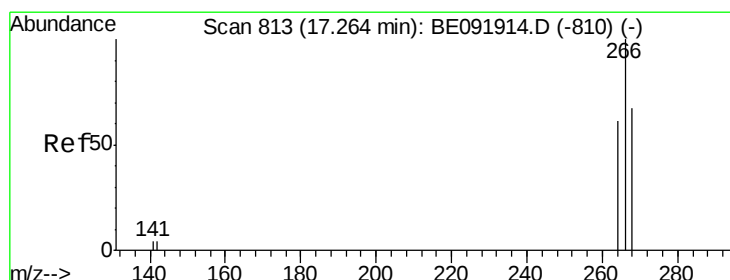
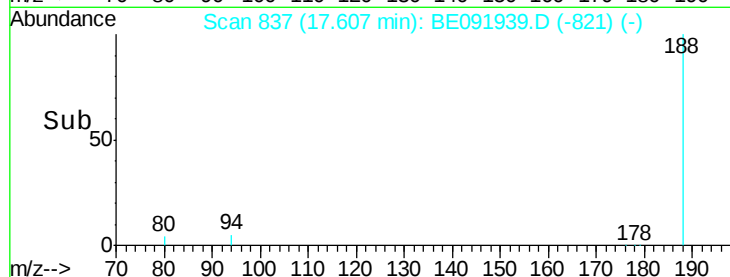
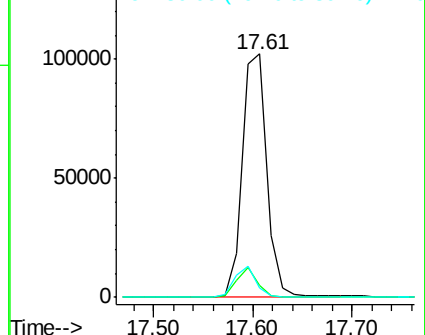
80 4.0 3.4 5.2



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: 0.11 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.02 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

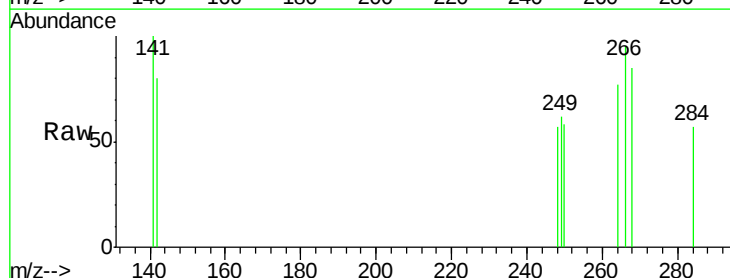
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

268 88.8 60.5 90.7

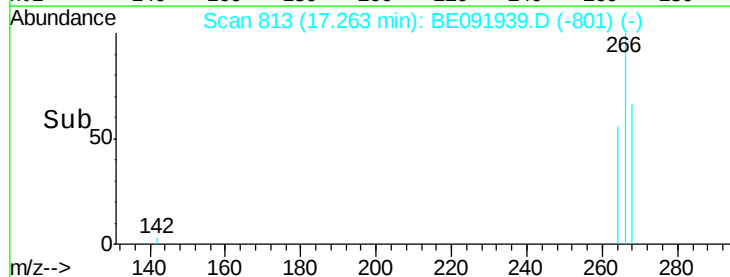
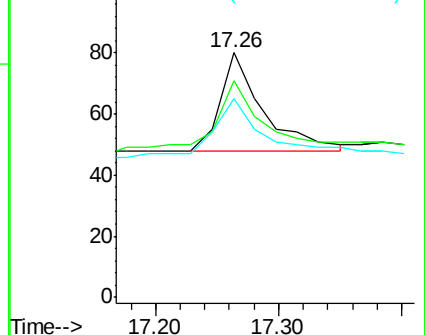
264 81.3 51.0 76.4#

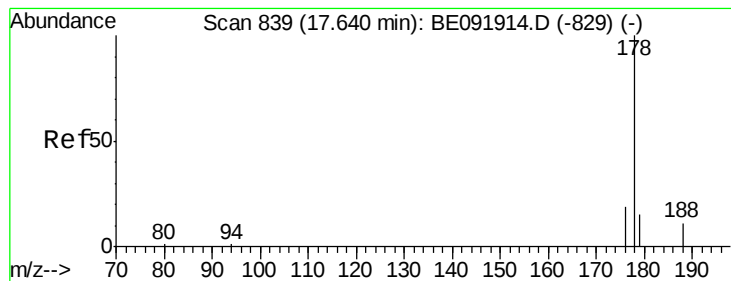


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#28

Phenanthrene

Concen: 0.02 ng

RT: 17.64 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

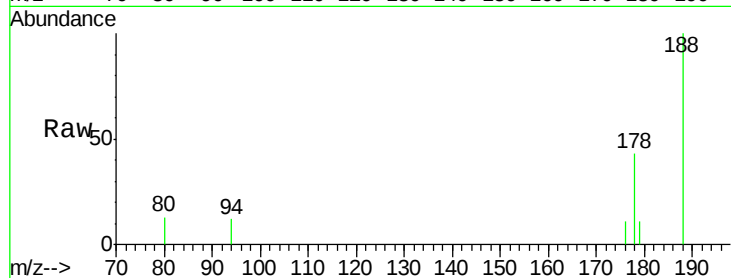
Tgt Ion:178 Resp: 913

Ion Ratio Lower Upper

178 100

176 17.3 15.4 23.2

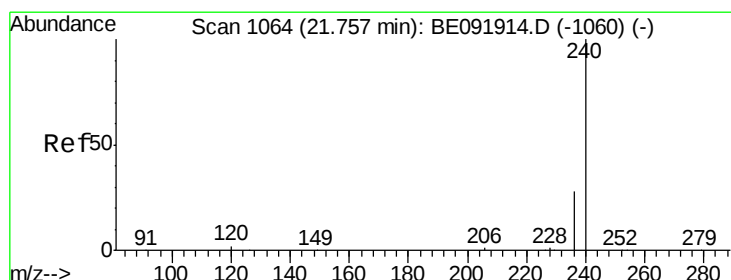
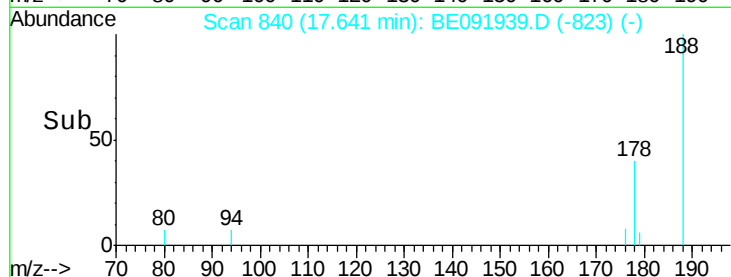
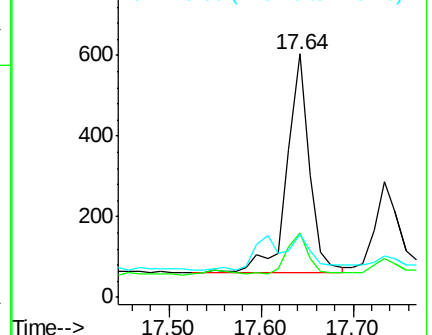
179 0.0 12.9 19.3#



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



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

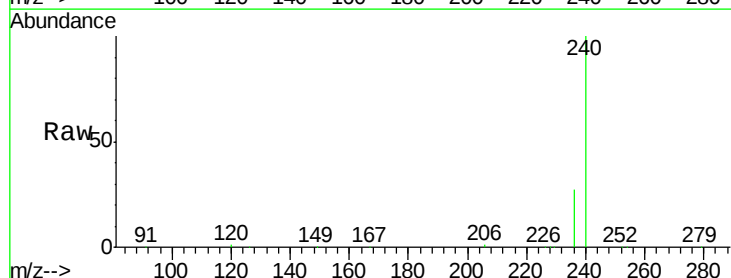
Tgt Ion:240 Resp: 305575

Ion Ratio Lower Upper

240 100

120 1.5 1.2 1.8

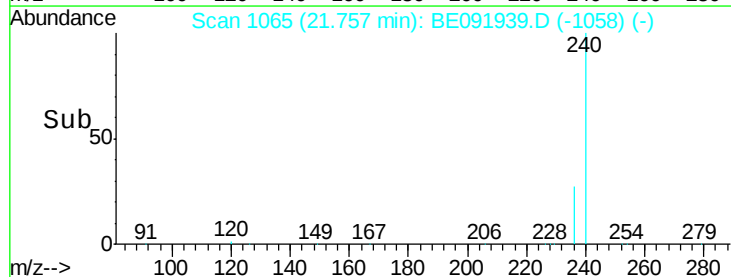
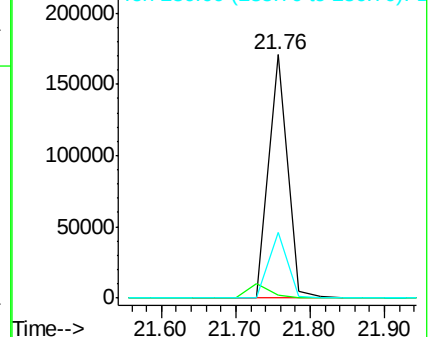
236 27.0 19.8 29.8

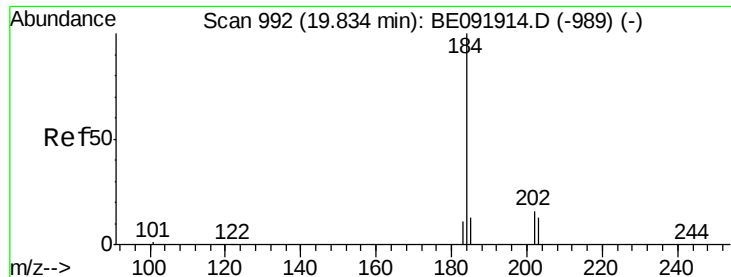


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#32

Benzidine

Concen: 0.35 ng

RT: 20.20 min Scan# 1009

Delta R.T. 0.37 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

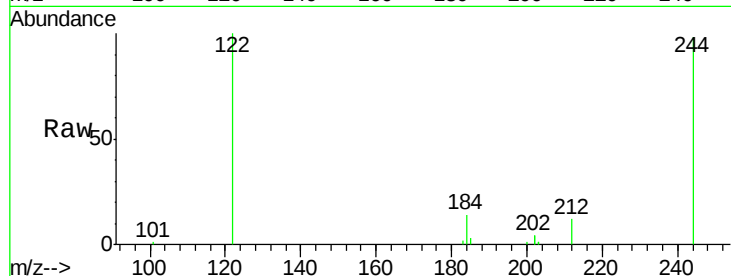
Tgt Ion:184 Resp: 2964

Ion Ratio Lower Upper

184 100

185 19.5 11.4 17.2#

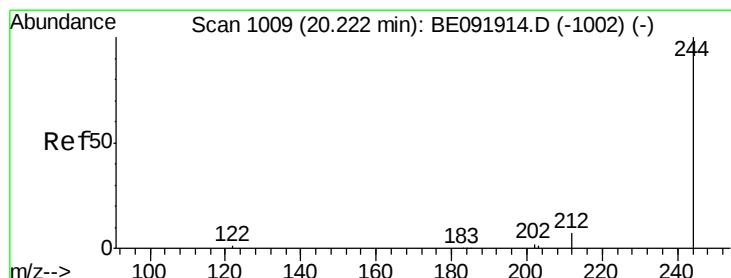
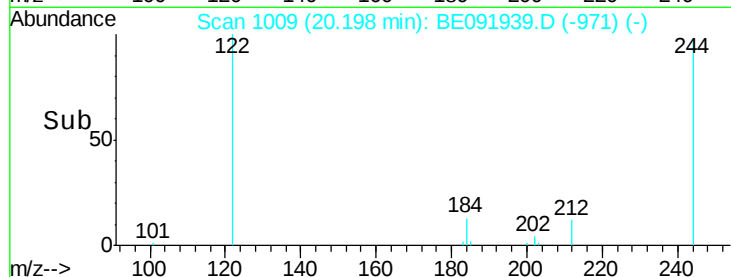
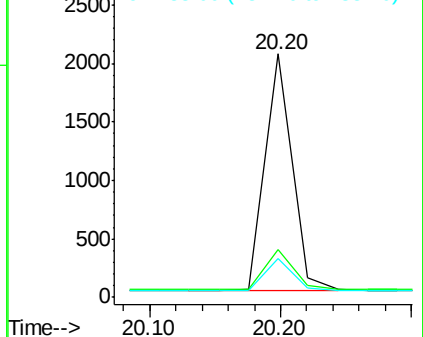
183 16.0 11.8 17.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#34

Terphenyl-d14

Concen: 4.00 ng

RT: 20.22 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

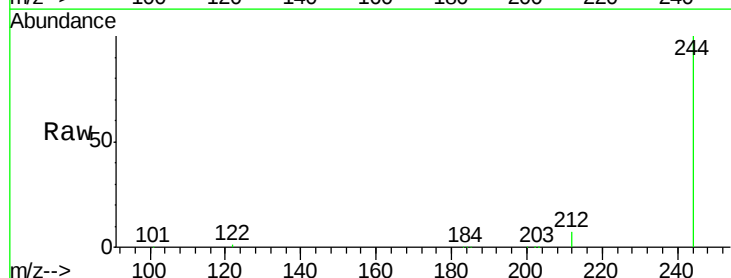
Tgt Ion:244 Resp: 149515

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

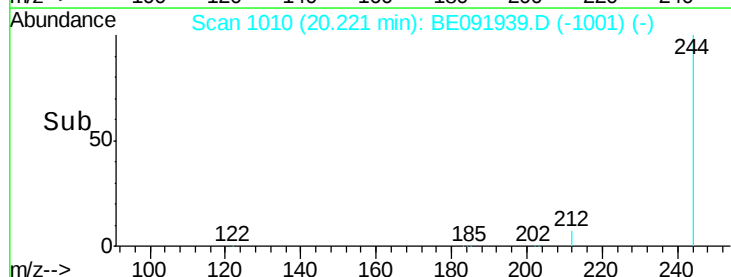
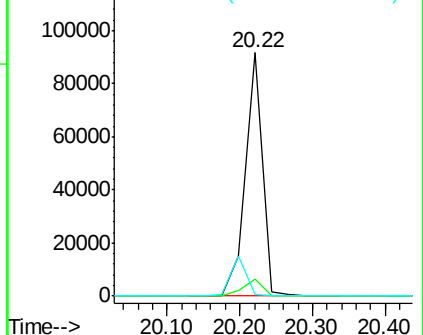
122 0.5 2.9 4.3#

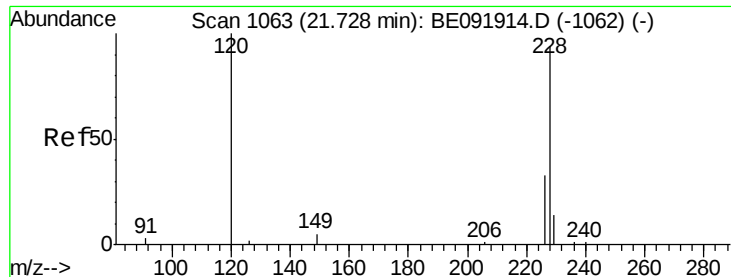


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.79 min Scan# 1066

Delta R.T. 0.06 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

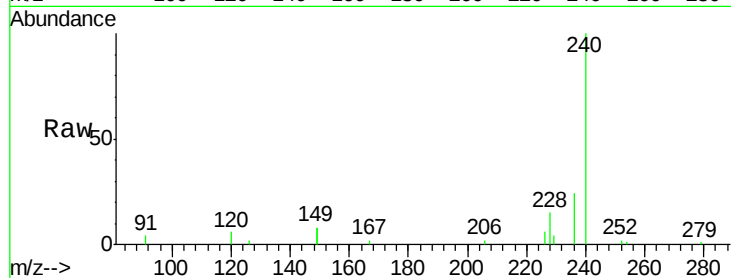
Tgt Ion:228 Resp: 2759

Ion Ratio Lower Upper

228 100

226 37.7 21.0 31.4#

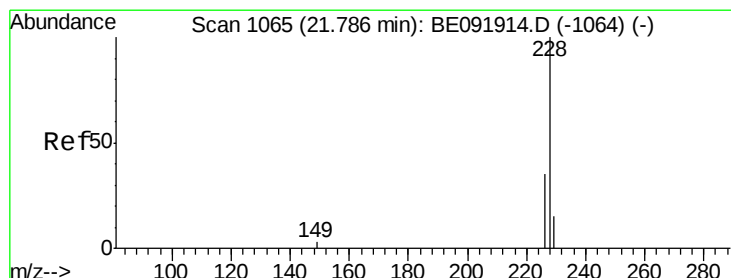
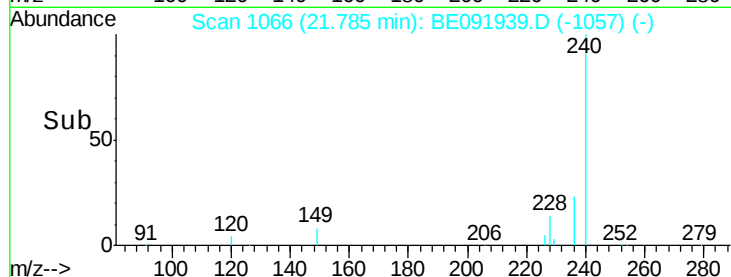
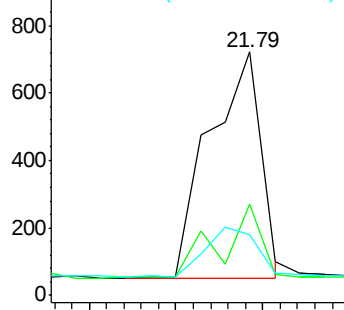
229 24.8 15.8 23.8#



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



#37

Chrysene

Concen: 0.04 ng

RT: 21.79 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

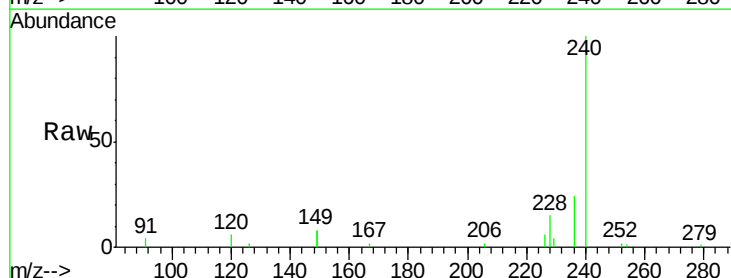
Tgt Ion:228 Resp: 2794

Ion Ratio Lower Upper

228 100

226 37.7 27.0 40.6

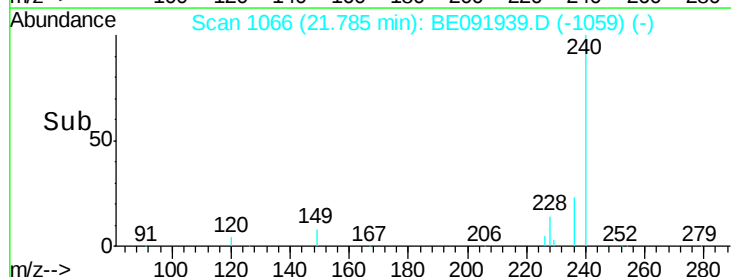
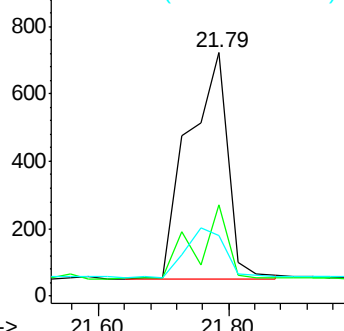
229 24.8 13.8 20.8#

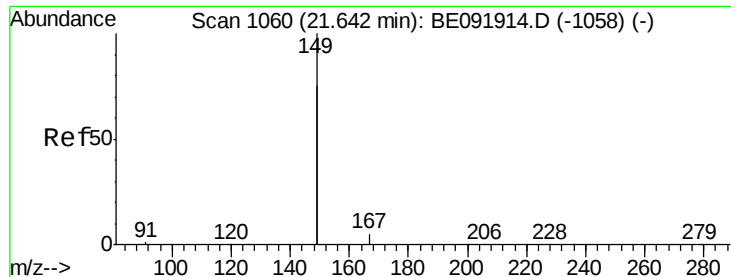


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#38

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.64 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

Instrument :

BNA_F

ClientSampleId :

KY038PS038-160531

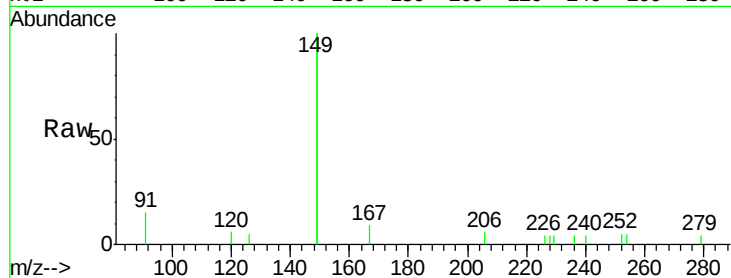
Tgt Ion:149 Resp: 6241

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

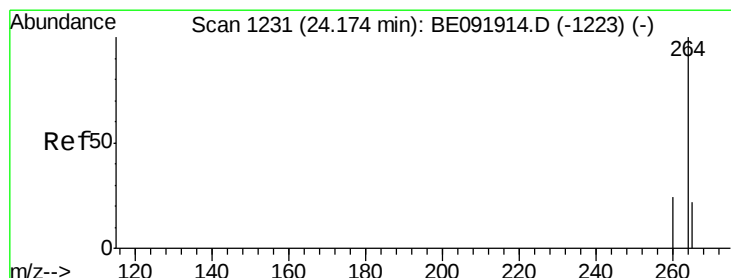
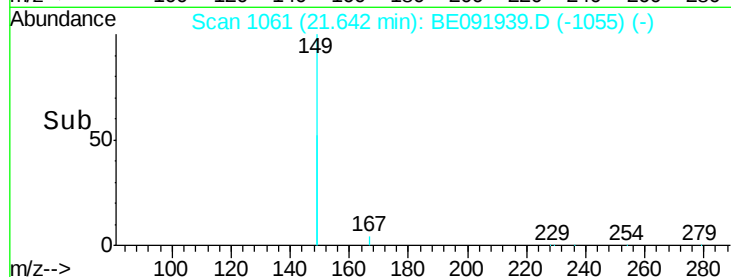
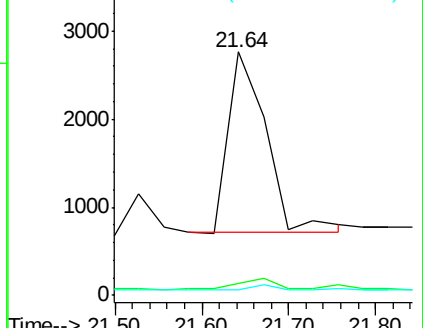
279 0.0 0.0 0.0



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BE091939.D

Acq: 16 Jun 2016 16:41

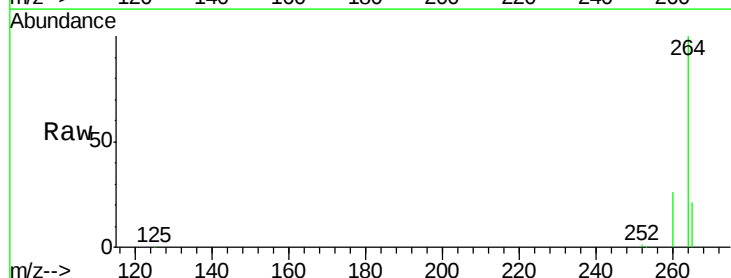
Tgt Ion:264 Resp: 215525

Ion Ratio Lower Upper

264 100

260 26.1 20.3 30.5

265 21.0 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

