

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091894.D
 Acq On : 8 Jun 2016 2:36
 Operator : UM/SJ
 Sample : H3359-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OM-SPN-001-160531MSD

Quant Time: Jun 08 14:37:47 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:06:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	35362	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	163816	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	101055	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	253608	5.00	ng	0.00
31) Chrysene-d12	21.27	240	231361	5.00	ng	-0.03
40) Perylene-d12	23.71	264	333296	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	42060	5.58	ng	0.00
5) Phenol-d6	6.94	99	61913	6.63	ng	-0.02
9) Nitrobenzene-d5	8.91	82	37510	3.05	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	20637	7.17	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	87010	2.84	ng	0.00
34) Terphenyl-d14	19.74	244	145996	-5.00	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	9216	1.94	ng	89
3) n-Nitrosodimethylamine	3.61	42	14773	2.50	ng	99
6) bis(2-Chloroethyl)ether	7.20	93	26625	2.63	ng	97
7) n-Nitroso-di-n-propylamine	8.54	70	21443	2.68	ng	# 92
10) Nitrobenzene	8.96	77	30282	2.71	ng	# 66
11) bis(2-Chloroethoxy)methane	9.95	93	45368	2.73	ng	# 38
12) Naphthalene	10.59	128	91706	2.59	ng	97
13) Hexachlorobutadiene	10.88	225	13323	2.53	ng	100
14) 2-Methylnaphthalene	12.20	142	64665	2.84	ng	99
18) Acenaphthylene	14.10	152	114769	2.51	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	18642	2.77	ng	94
20) Acenaphthene	14.44	154	73261	2.62	ng	96
21) 2,4-Dinitrotoluene	14.76	165	19835	2.61	ng	# 1
22) Fluorene	15.42	166	91035	2.66	ng	99
23) 4-Chlorophenyl-phenylether	15.42	204	42984	2.56	ng	96
25) 4-Bromophenyl-phenylether	16.31	248	25677	2.82	ng	97
26) Hexachlorobenzene	16.44	284	26284	2.82	ng	99
27) Pentachlorophenol	16.76	266	26389	5.81	ng	# 81
28) Phenanthrene	17.16	178	162702	2.77	ng	99
29) Anthracene	17.25	178	156453	2.99	ng	100
30) Fluoranthene	19.17	202	206859	3.26	ng	98
33) Pyrene	19.53	202	220227	3.77	ng	99
35) Benzo(a)anthracene	21.27	228	958375m	3.49	ng	
36) 3,3'-Dichlorobenzidine	21.21	252	34962	1.93	ng	# 96
37) Chrysene	21.30	228	310778m	1.32	ng	
38) Bis(2-ethylhexyl)phthalate	21.18	149	103704	2.50	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	239739	3.40	ng	# 75
41) Benzo(b)fluoranthene	22.97	252	226858	2.79	ng	97
42) Benzo(k)fluoranthene	23.02	252	231344	2.74	ng	95
43) Benzo(a)pyrene	23.59	252	215765	2.83	ng	# 95
44) Dibenzo(a,h)anthracene	26.29	278	202397	2.84	ng	# 94
45) Benzo(a,h,i)perylene	27.05	276	206856	2.77	ng	# 94

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
Data File : BE091894.D
Acq On : 8 Jun 2016 2:36
Operator : UM/SJ
Sample : H3359-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

Quant Time: Jun 08 14:37:47 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:06:06 2016
Response via : Initial Calibration

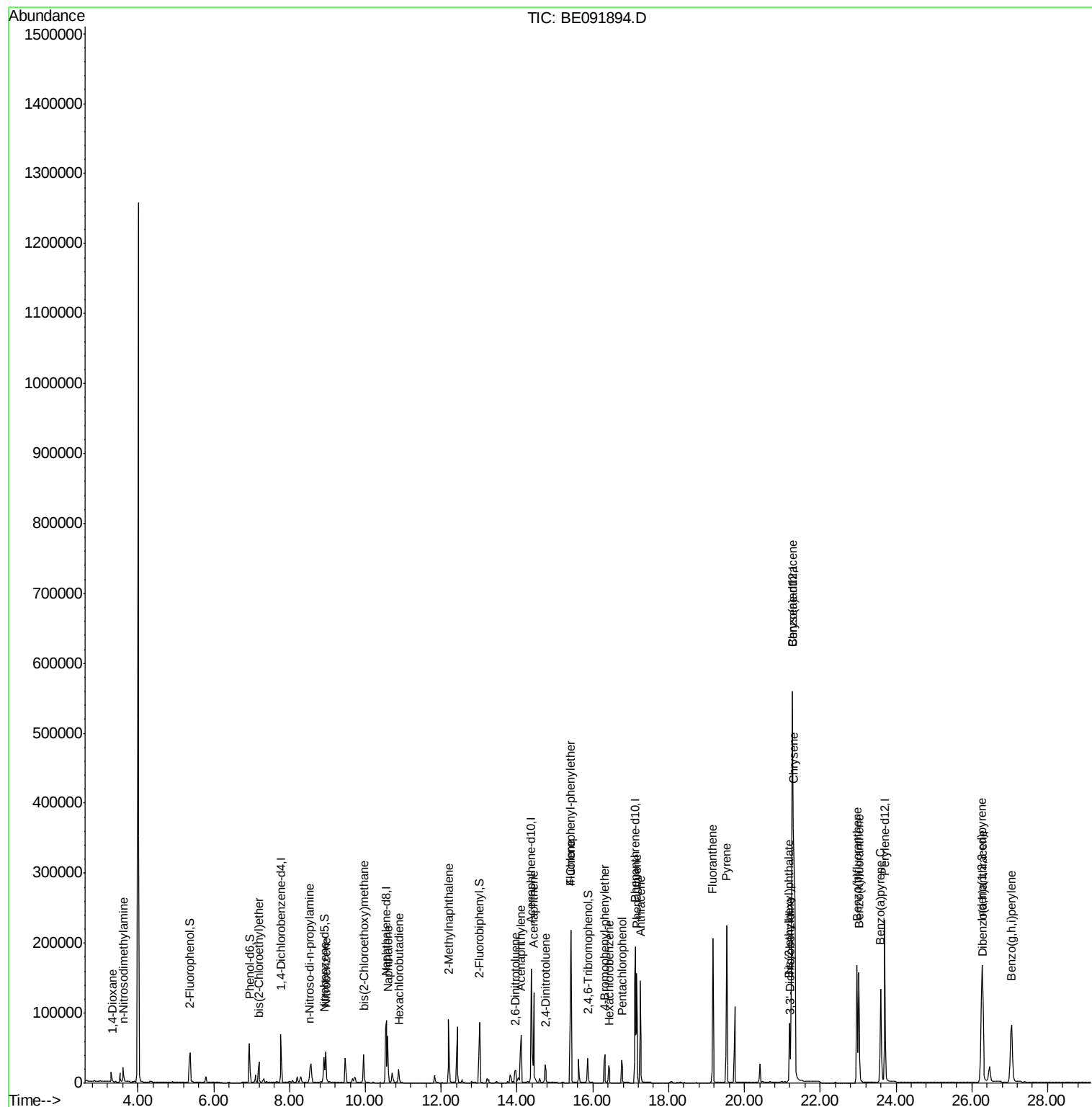
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

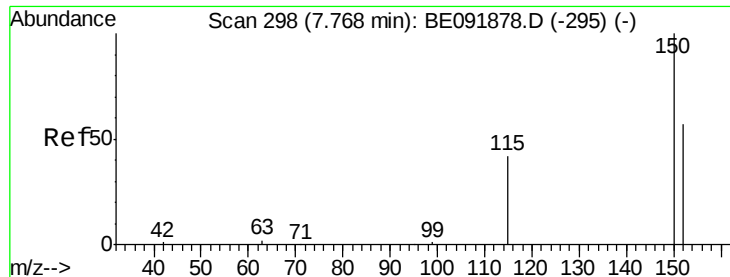
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
Data File : BE091894.D
Acq On : 8 Jun 2016 2:36
Operator : UM/SJ
Sample : H3359-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

Quant Time: Jun 08 14:37:47 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:06:06 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: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

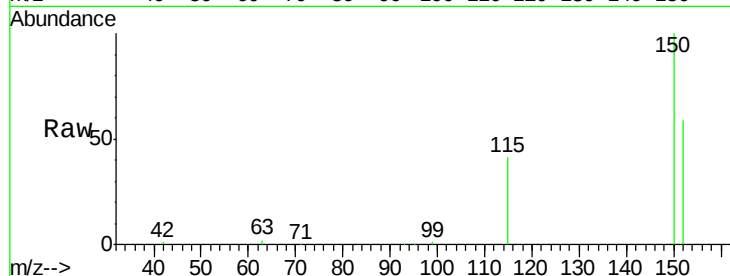
Tot Ion:152 Resp: 35362

Ion Ratio Lower Upper

152 100

150 169.8 123.9 185.9

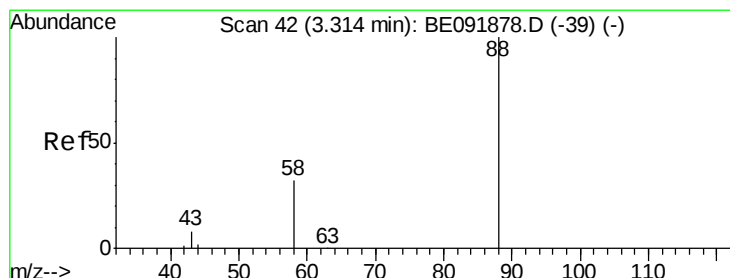
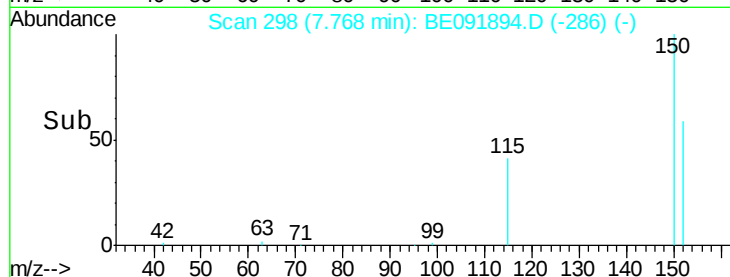
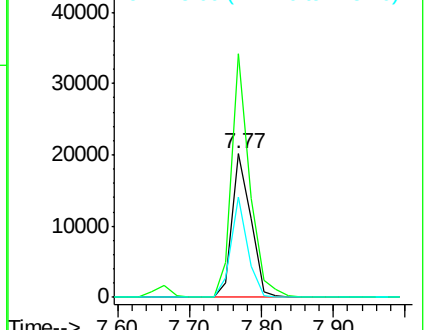
115 70.3 48.3 72.5



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: 1.94 ng

RT: 3.31 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

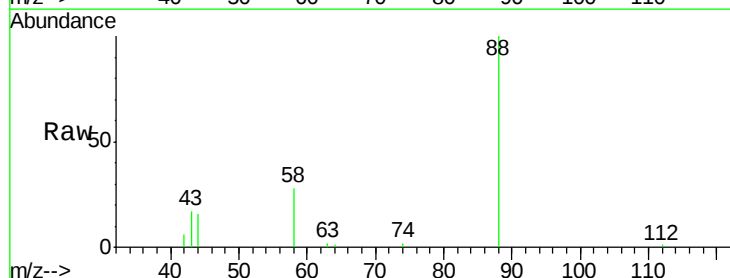
Tgt Ion: 88 Resp: 9216

Ion Ratio Lower Upper

88 100

58 92.3 63.0 94.4

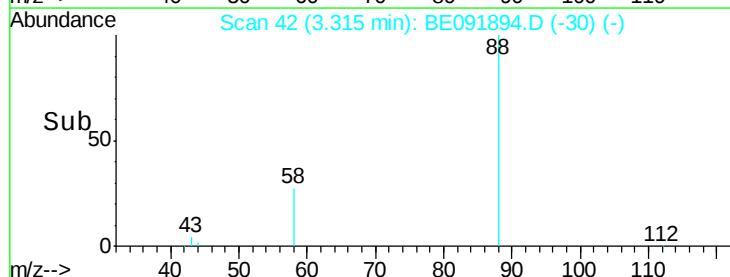
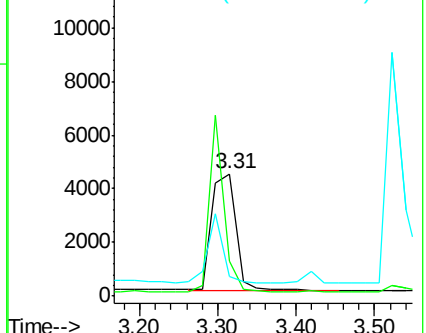
43 37.8 29.1 43.7

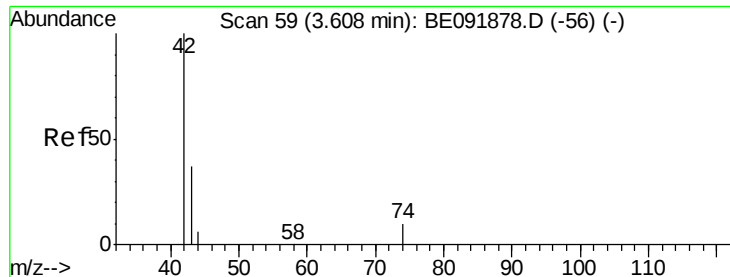


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 2.50 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

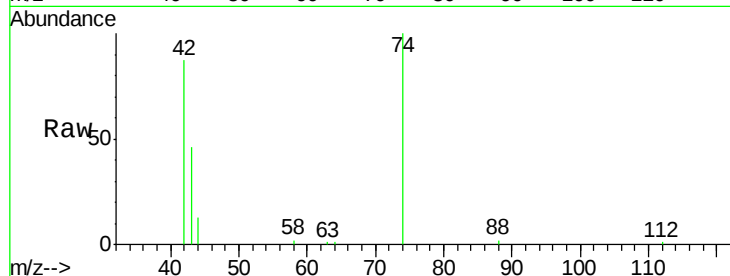
Tot Ion: 42 Resp: 14773

Ion Ratio Lower Upper

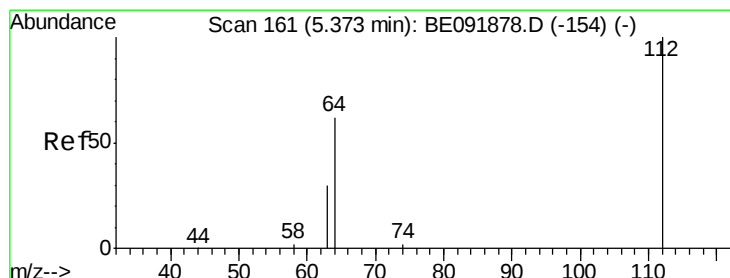
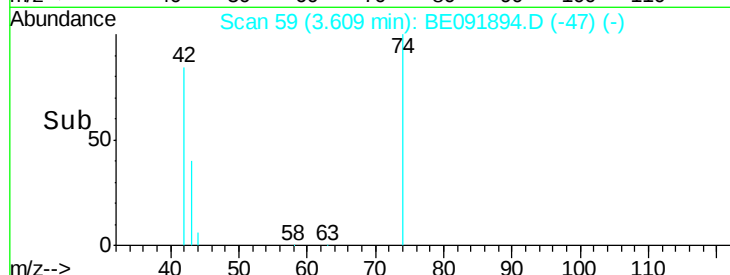
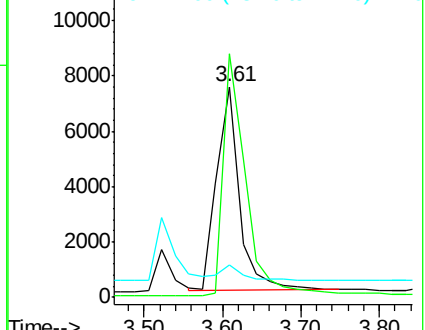
42 100

74 116.0 93.4 140.0

44 7.4 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: 5.58 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

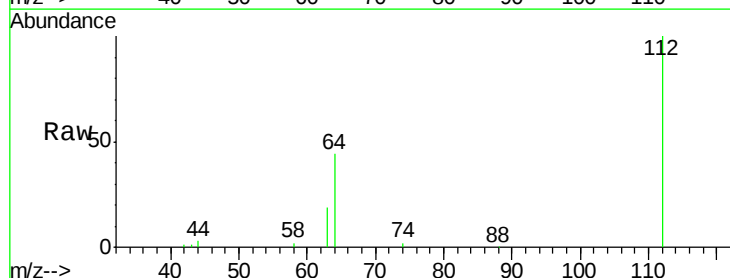
Tgt Ion: 112 Resp: 42060

Ion Ratio Lower Upper

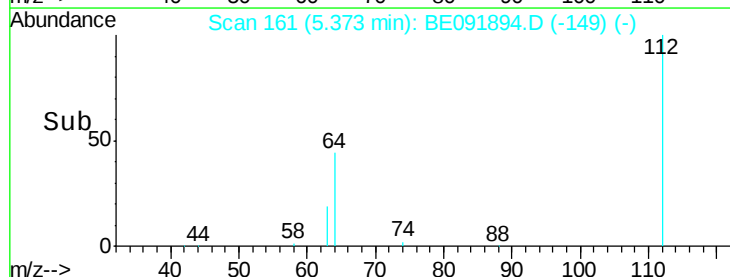
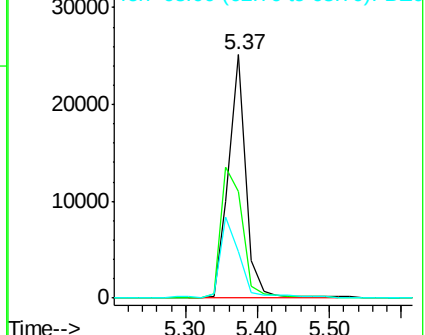
112 100

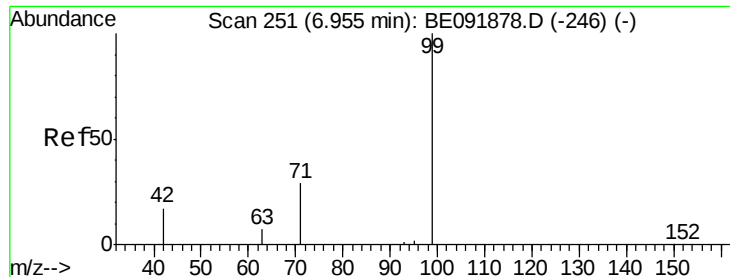
64 66.6 53.7 80.5

63 37.2 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: 6.63 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

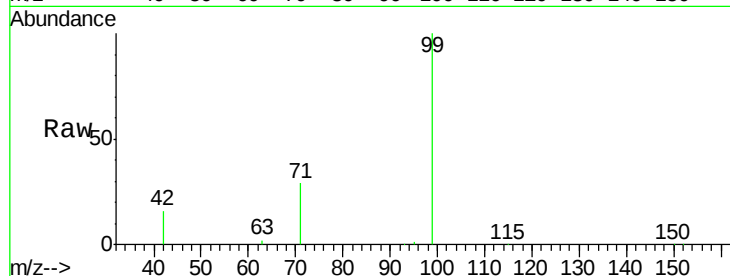
Tot Ion: 99 Resp: 61913

Ion Ratio Lower Upper

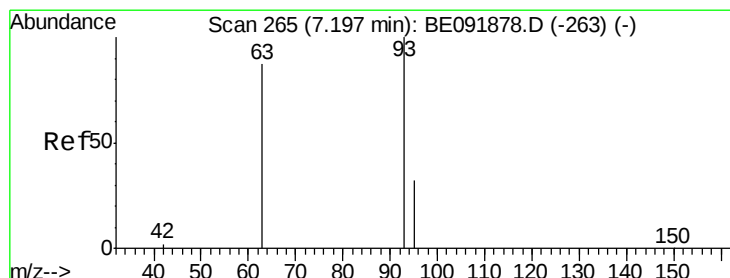
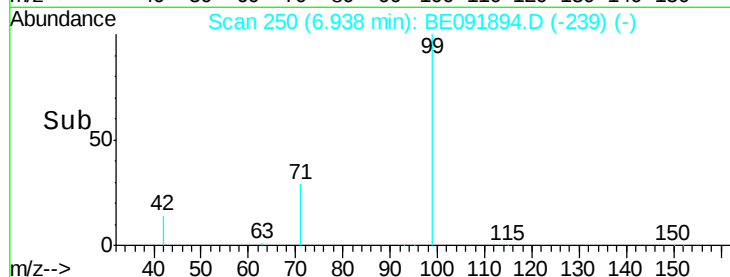
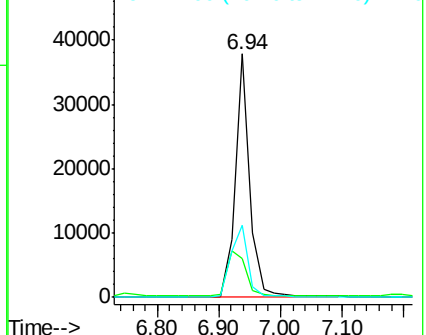
99 100

42 24.5 19.6 29.4

71 35.0 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



#6

bis(2-Chloroethyl)ether

Concen: 2.63 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

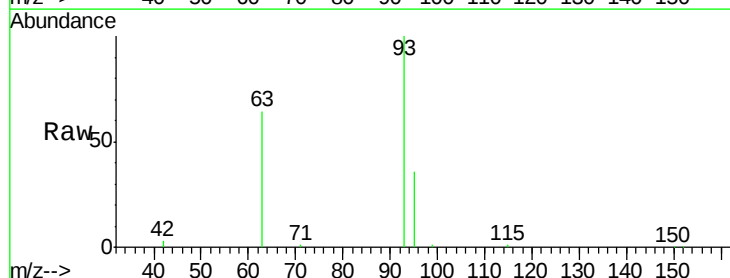
Tgt Ion: 93 Resp: 26625

Ion Ratio Lower Upper

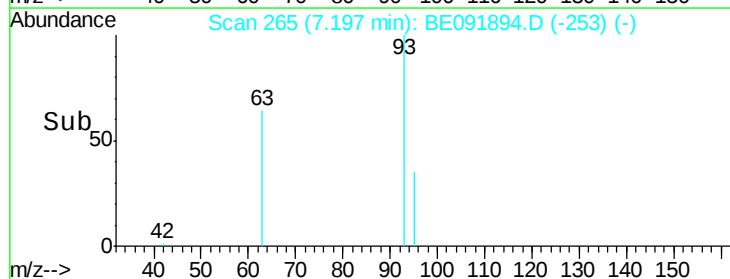
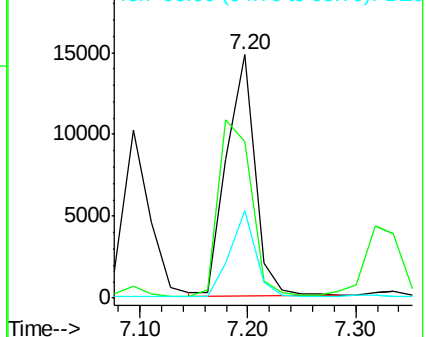
93 100

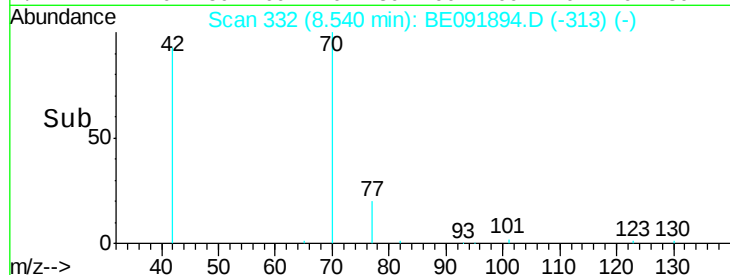
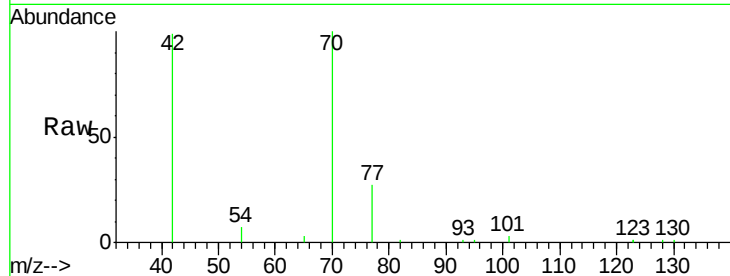
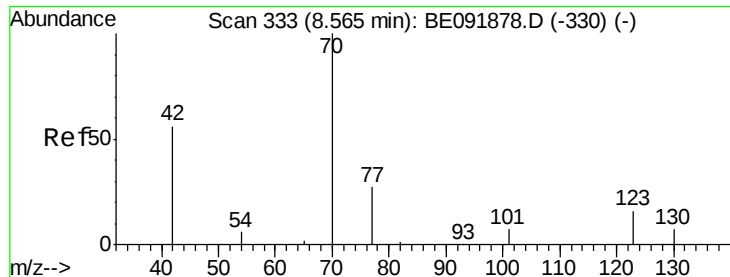
63 85.8 66.2 99.4

95 32.6 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 2.68 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

Tot Ion: 70 Resp: 21443

Ion Ratio Lower Upper

70 100

42 78.5 58.4 87.6

101 0.0 6.4 9.6#

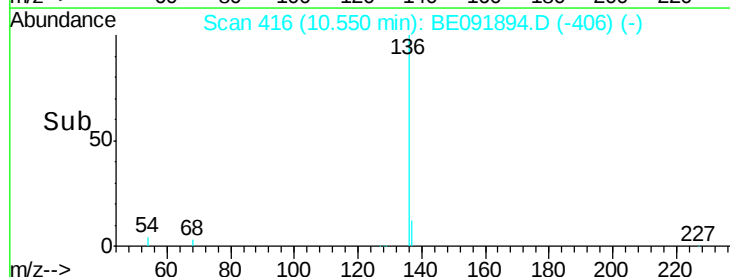
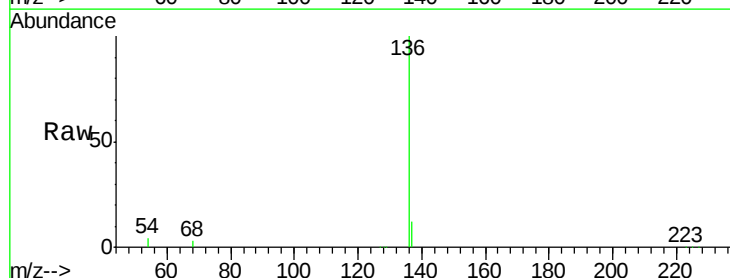
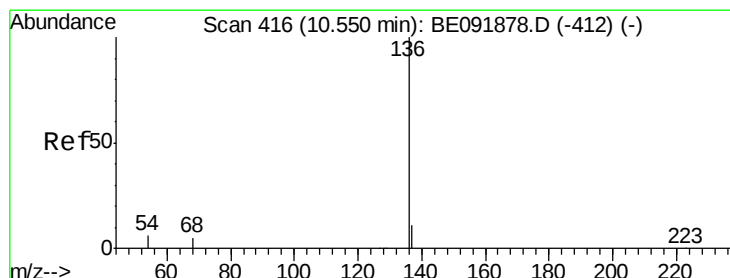
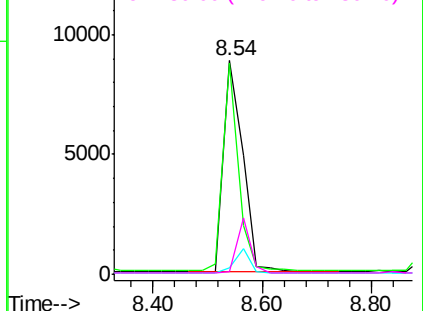
130 0.0 0.0 0.0

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): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Tgt Ion: 136 Resp: 163816

Ion Ratio Lower Upper

136 100

137 12.1 8.3 12.5

54 3.8 8.2 12.4#

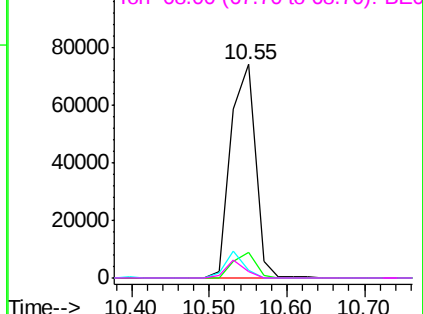
68 3.3 5.9 8.9#

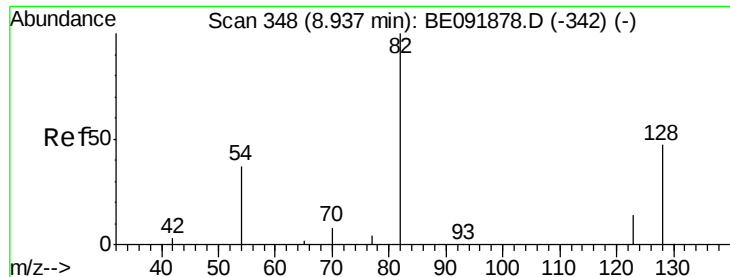
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 3.05 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

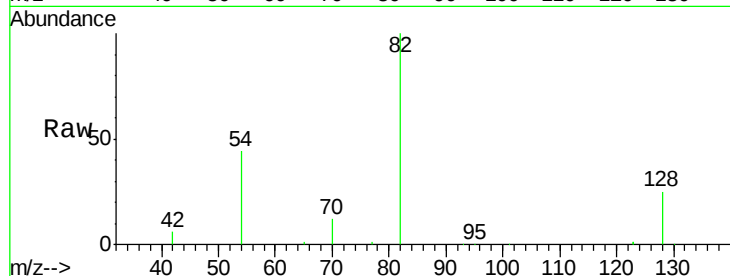
Tot Ion: 82 Resp: 37510

Ion Ratio Lower Upper

82 100

128 24.9 39.5 59.3#

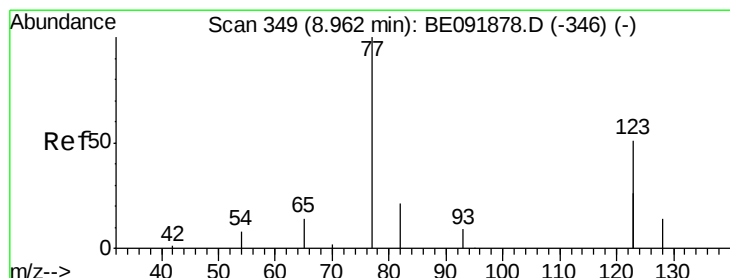
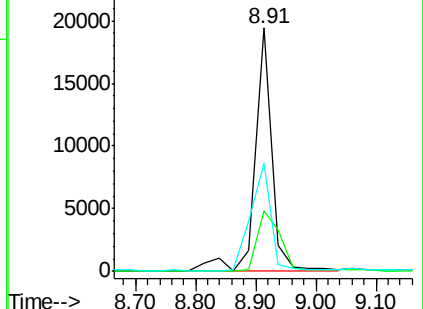
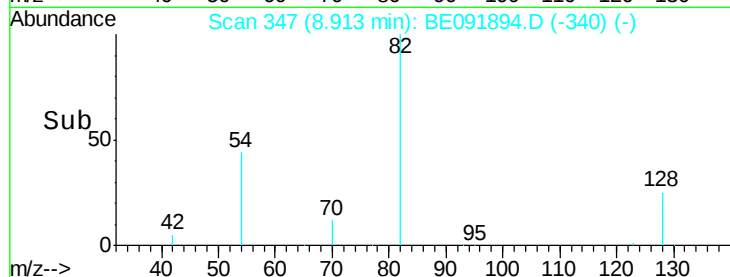
54 44.4 30.3 45.5



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



#10

Nitrobenzene

Concen: 2.71 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

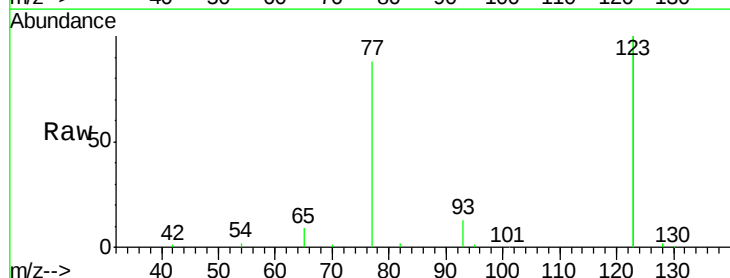
Tgt Ion: 77 Resp: 30282

Ion Ratio Lower Upper

77 100

123 168.8 0.0 0.0#

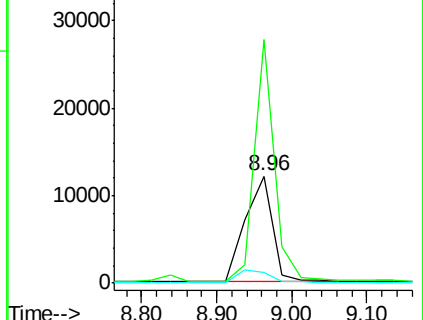
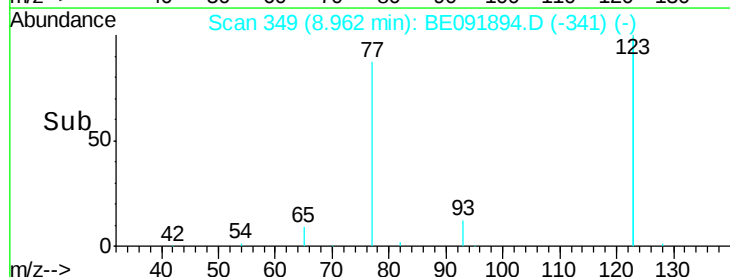
65 0.0 11.1 16.7#

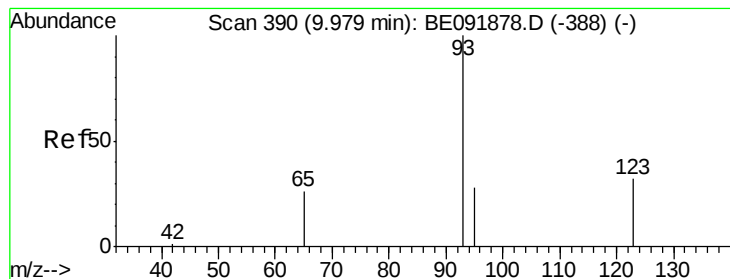


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 2.73 ng

RT: 9.95 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

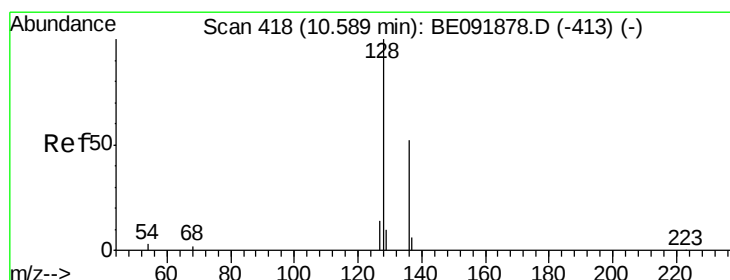
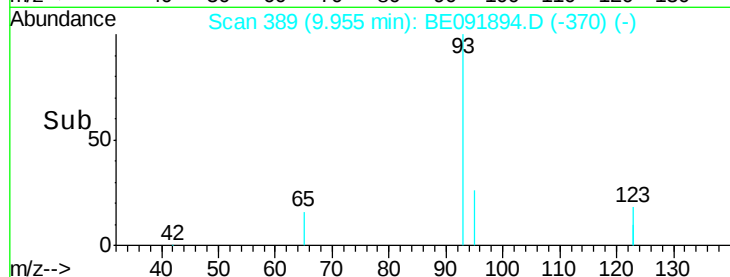
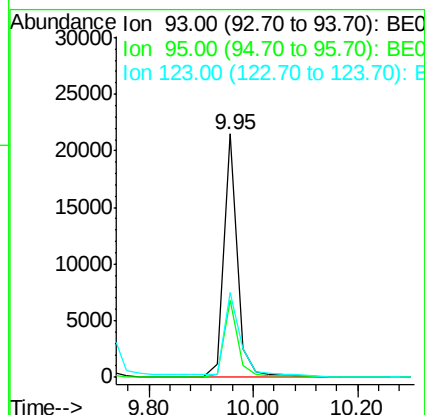
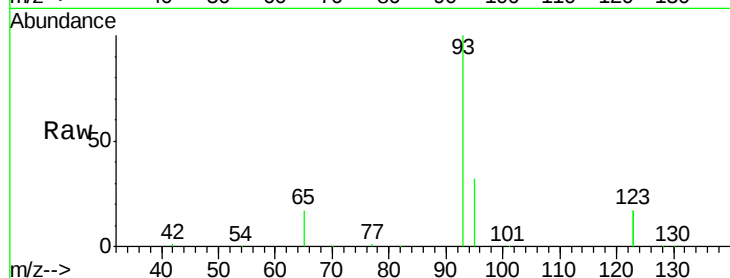
Tot Ion: 93 Resp: 45368

Ion Ratio Lower Upper

93 100

95 33.5 57.6 86.4#

123 44.4 100.2 150.4#



#12

Naphthalene

Concen: 2.59 ng

RT: 10.59 min Scan# 418

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

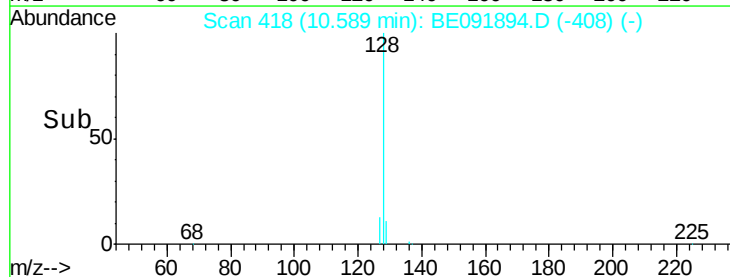
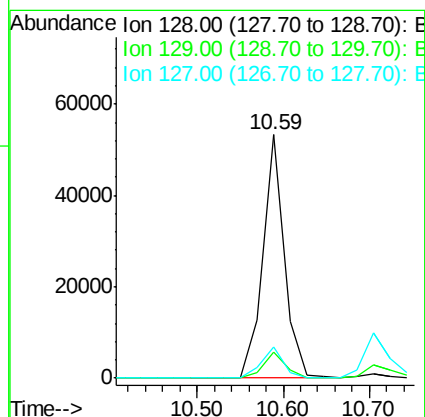
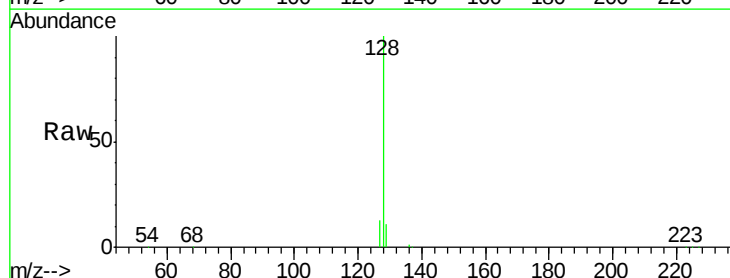
Tgt Ion: 128 Resp: 91706

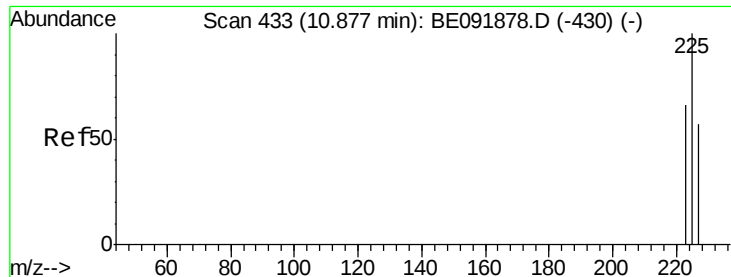
Ion Ratio Lower Upper

128 100

129 10.9 10.4 15.6

127 12.8 10.2 15.2

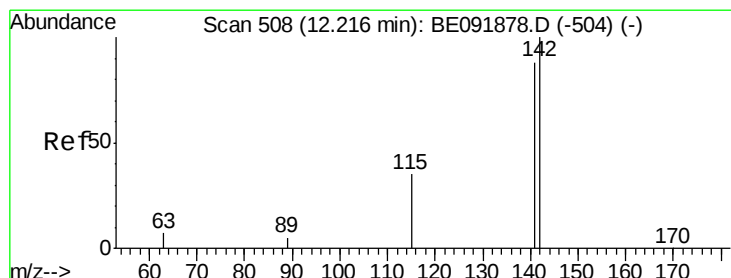
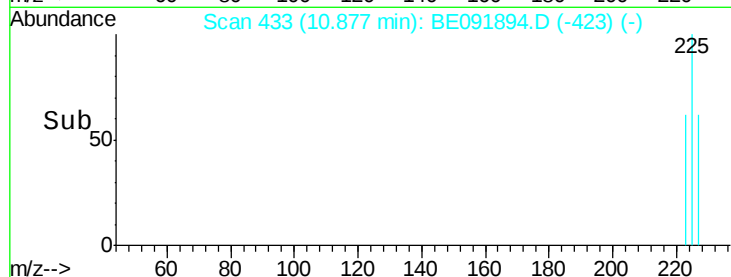
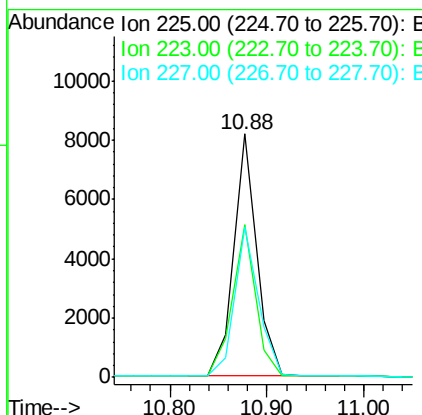
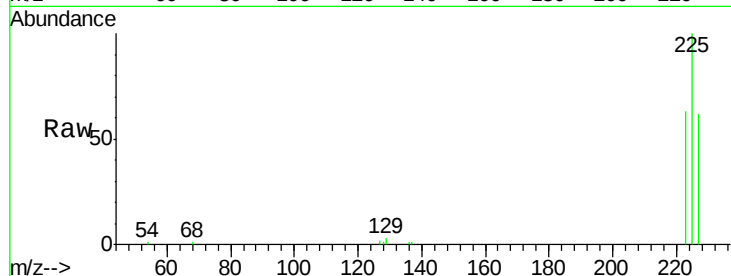




#13
Hexachlorobutadiene
Concen: 2.53 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

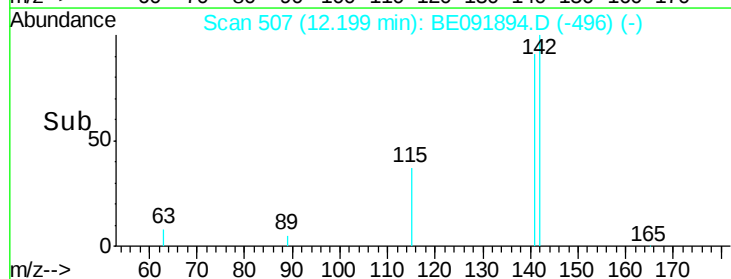
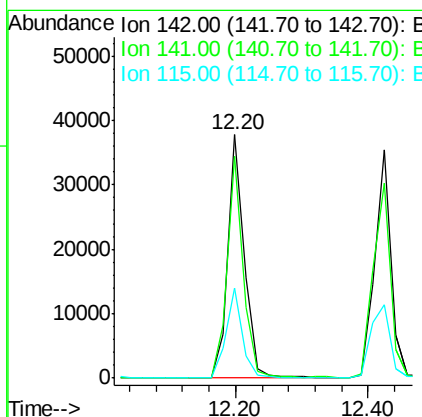
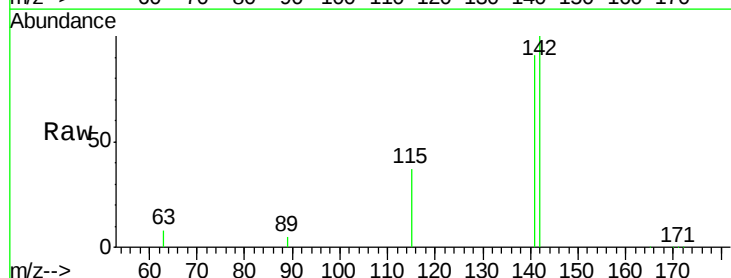
Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

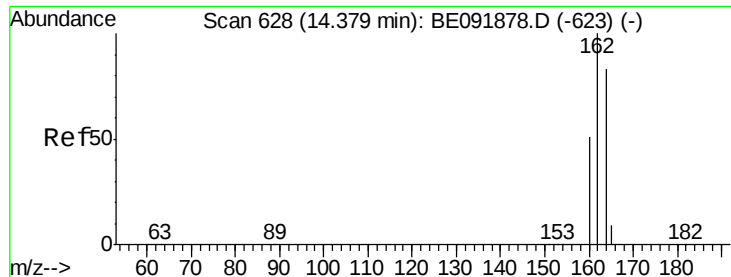
Tot Ion:225 Resp: 13323
Ion Ratio Lower Upper
225 100
223 62.7 49.8 74.8
227 63.5 50.6 75.8



#14
2-Methylnaphthalene
Concen: 2.84 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

Tgt Ion:142 Resp: 64665
Ion Ratio Lower Upper
142 100
141 91.1 71.9 107.9
115 37.1 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

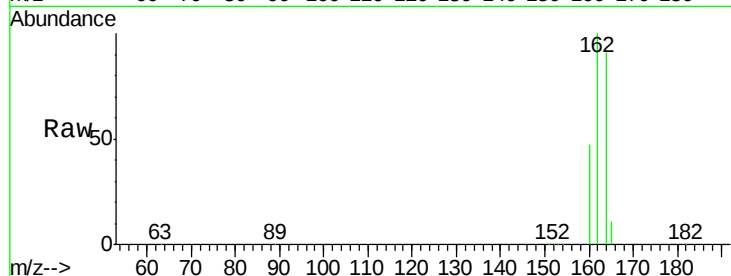
Tot Ion:164 Resp: 101055

Ion Ratio Lower Upper

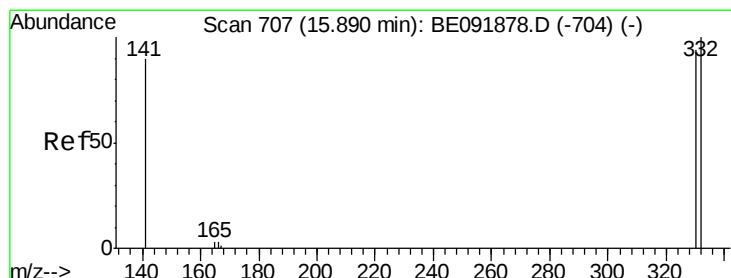
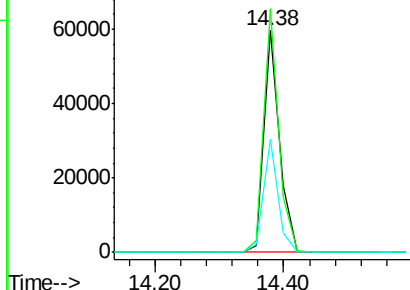
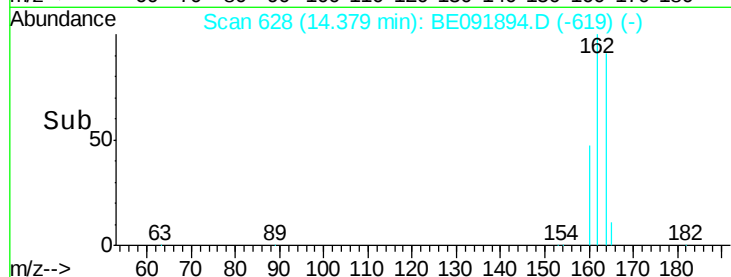
164 100

162 109.8 71.8 107.8#

160 51.2 28.0 42.0#



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



#16

2,4,6-Tribromophenol

Concen: 7.17 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

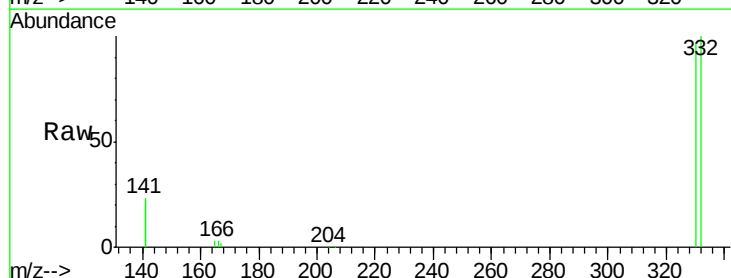
Tgt Ion:330 Resp: 20637

Ion Ratio Lower Upper

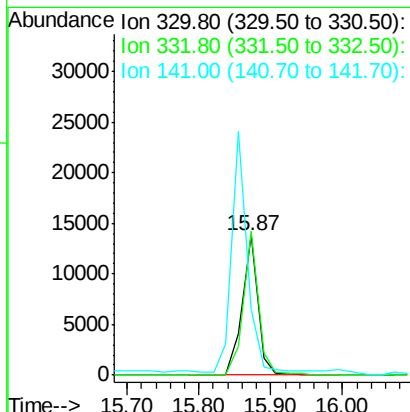
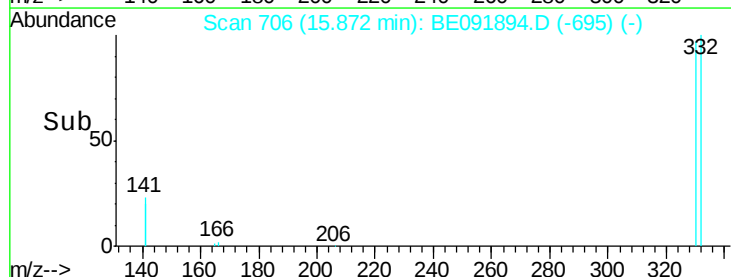
330 100

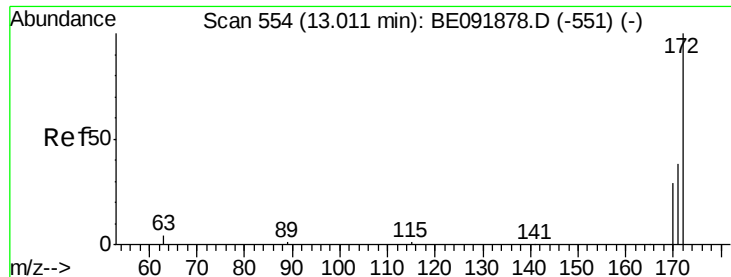
332 98.2 77.0 115.6

141 169.0 138.4 207.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

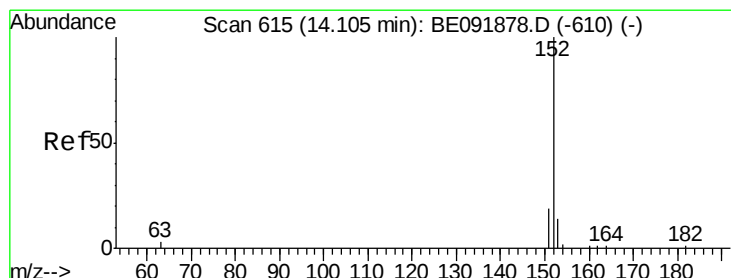
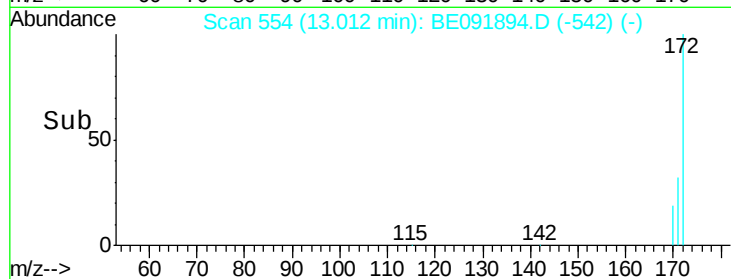
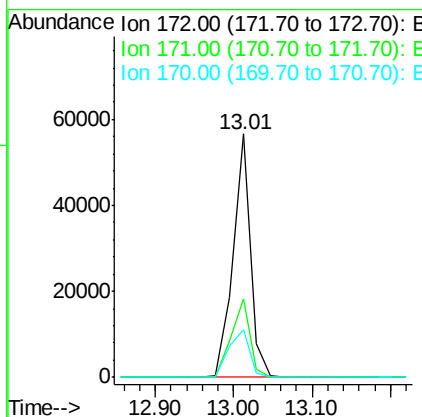
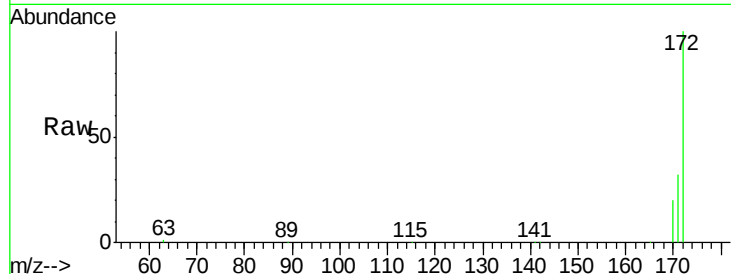




#17
 2-Fluorobiphenyl
 Concen: 2.84 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091894.D
 Acq: 8 Jun 2016 2:36

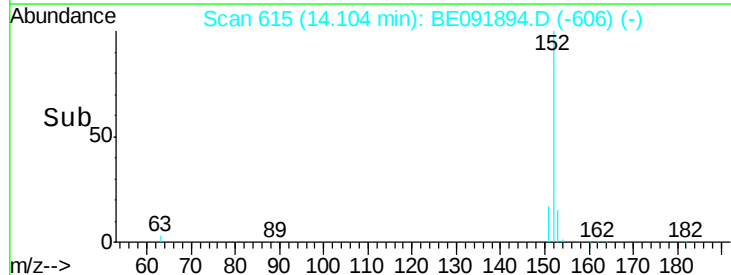
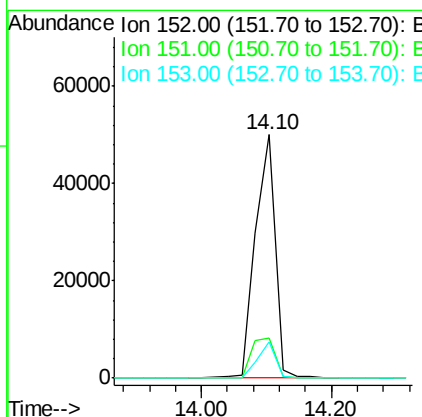
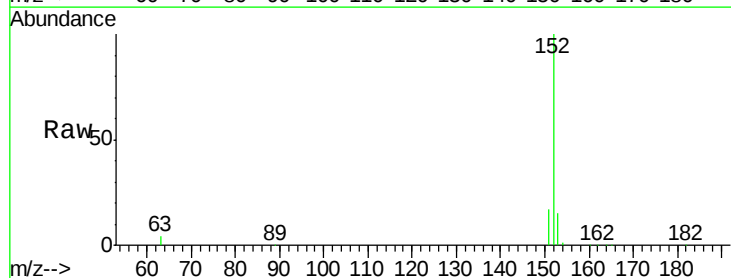
Instrument :
 BNA_E
 ClientSampleId :
 OM-SPN-001-160531MSD

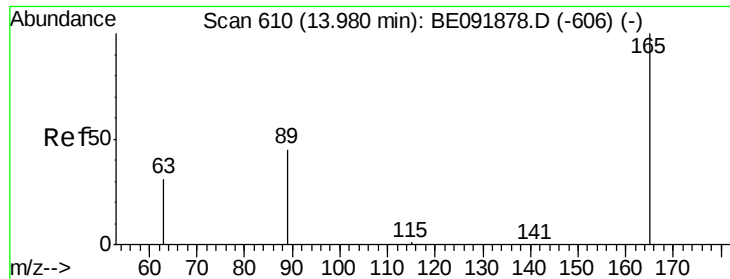
Tot Ion:172 Resp: 87010
 Ion Ratio Lower Upper
 172 100
 171 32.2 24.3 36.5
 170 19.6 14.9 22.3



#18
 Acenaphthylene
 Concen: 2.51 ng
 RT: 14.10 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BE091894.D
 Acq: 8 Jun 2016 2:36

Tgt Ion:152 Resp: 114769
 Ion Ratio Lower Upper
 152 100
 151 20.2 19.4 29.2
 153 13.6 14.4 21.6#

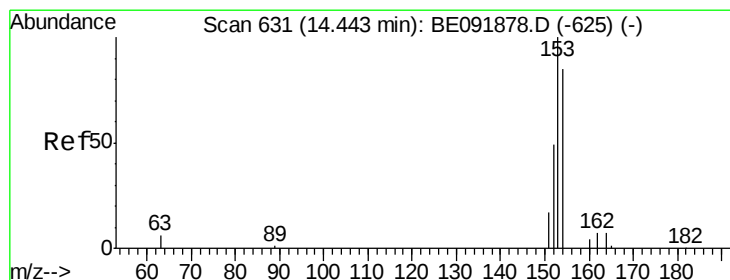
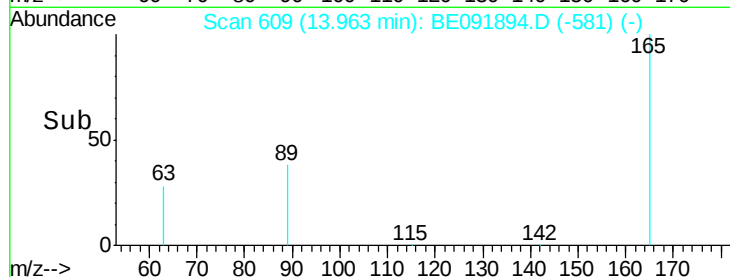
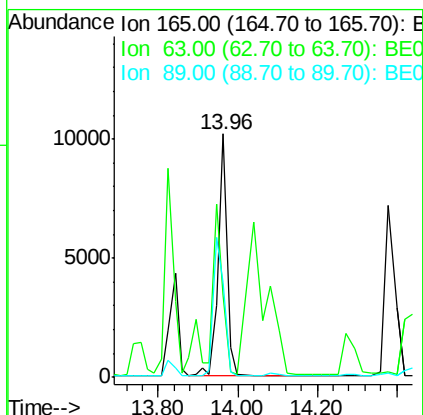
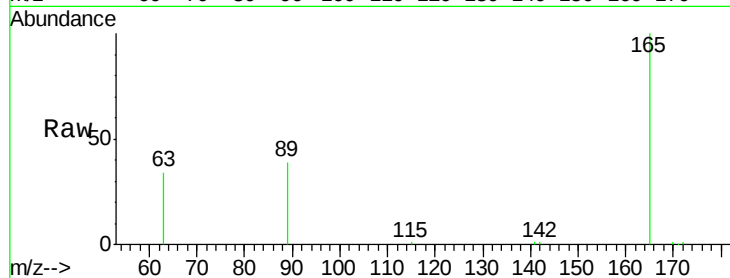




#19
2,6-Dinitrotoluene
Concen: 2.77 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

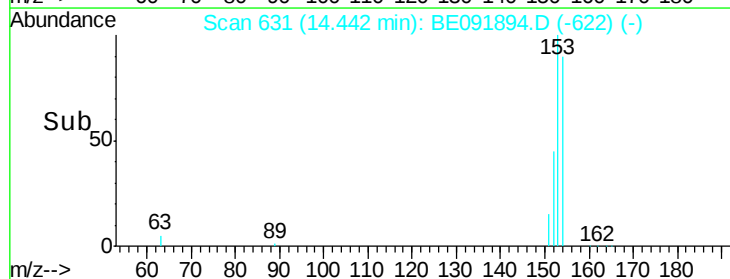
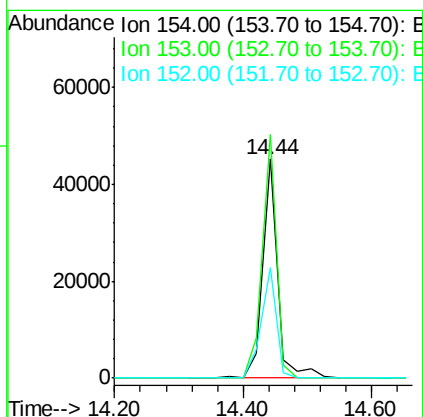
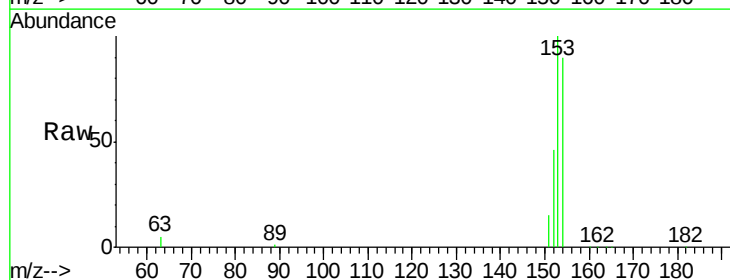
Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

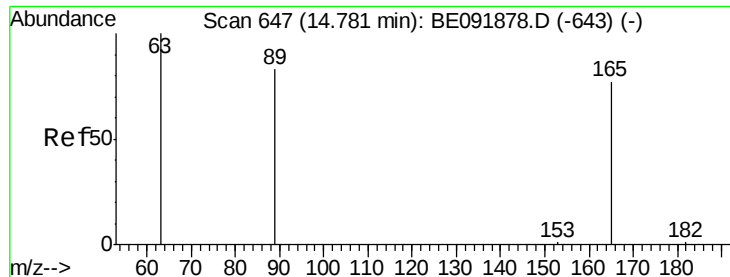
Tot Ion:165 Resp: 18642
Ion Ratio Lower Upper
165 100
63 77.7 65.9 98.9
89 68.0 59.1 88.7



#20
Acenaphthene
Concen: 2.62 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

Tgt Ion:154 Resp: 73261
Ion Ratio Lower Upper
154 100
153 106.5 88.1 132.1
152 51.3 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 2.61 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

Tot Ion:165 Resp: 19835

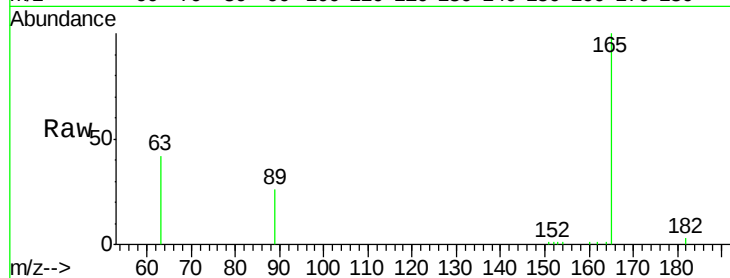
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.3 0.0 0.0#

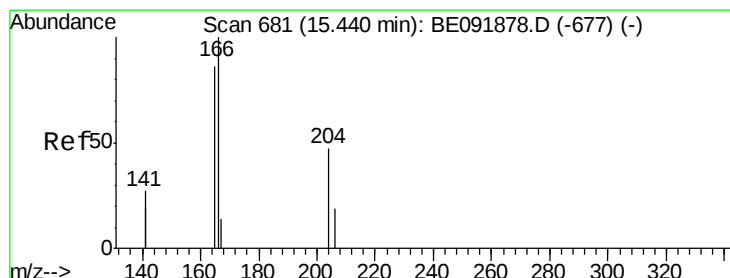
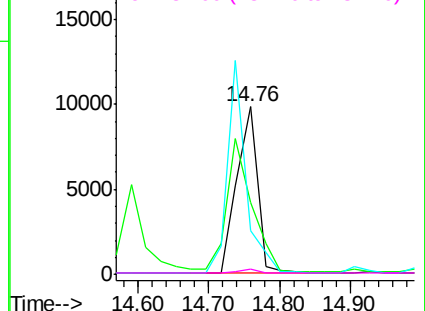
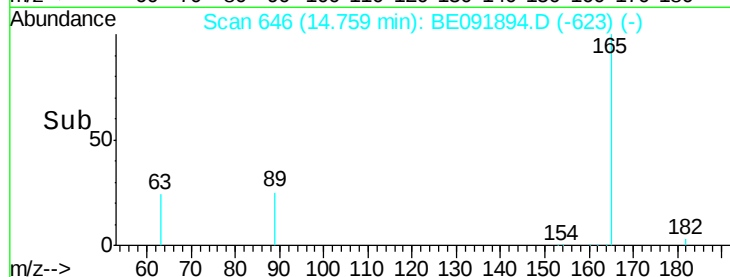


Abundance Ion 165.00 (164.70 to 165.70): E

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



#22

Fluorene

Concen: 2.66 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

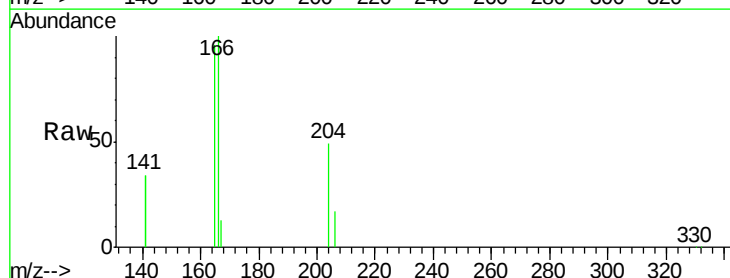
Tgt Ion:166 Resp: 91035

Ion Ratio Lower Upper

166 100

165 97.0 78.6 117.8

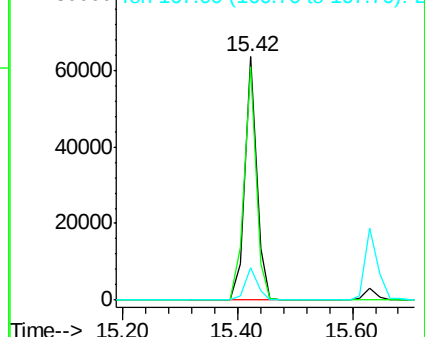
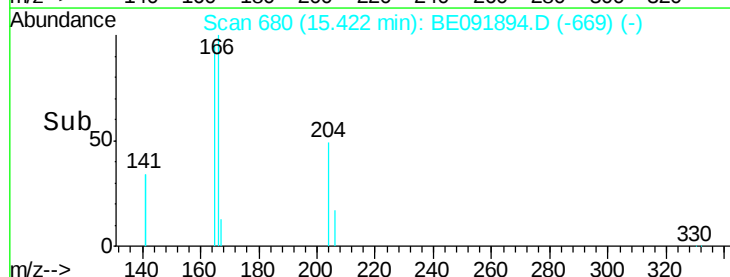
167 13.6 10.8 16.2

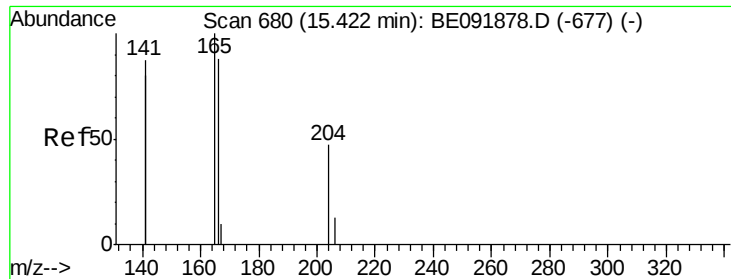


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

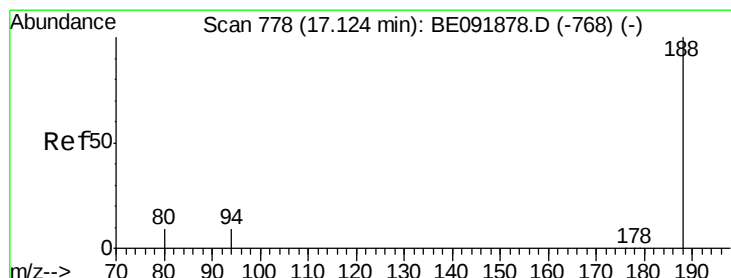
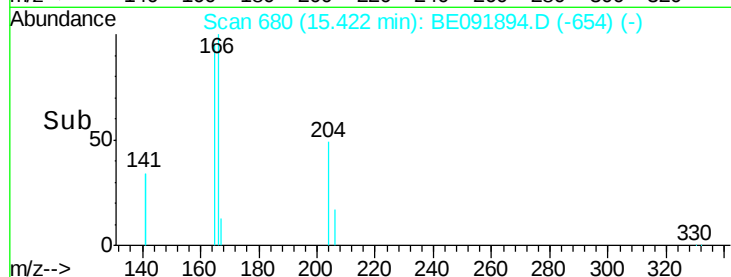
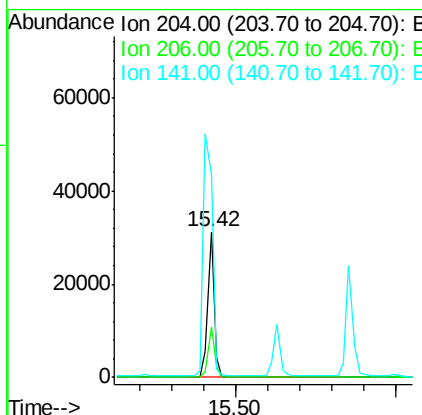
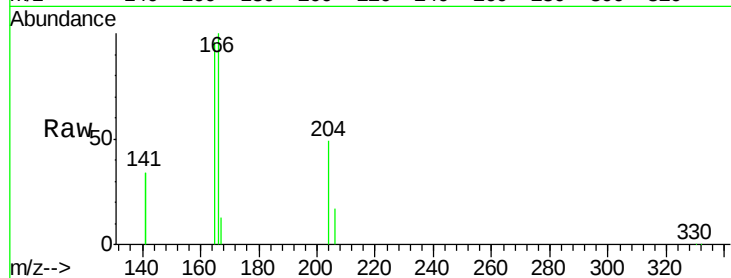




#23
4-Chlorophenyl-phenylether
Concen: 2.56 ng
RT: 15.42 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

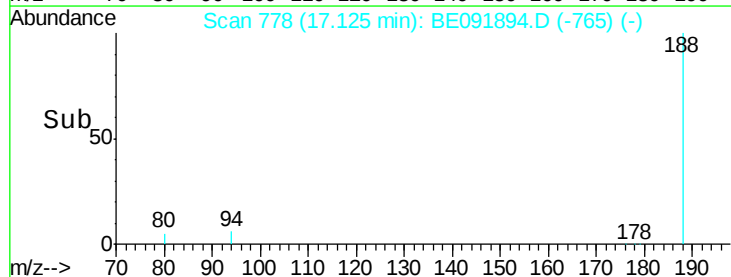
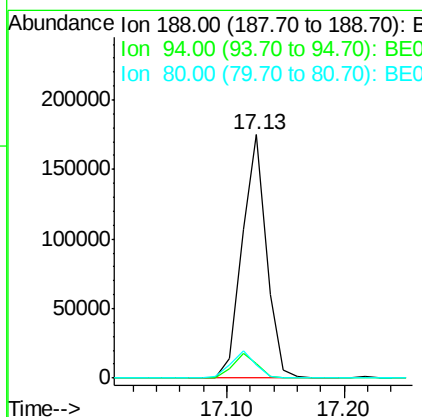
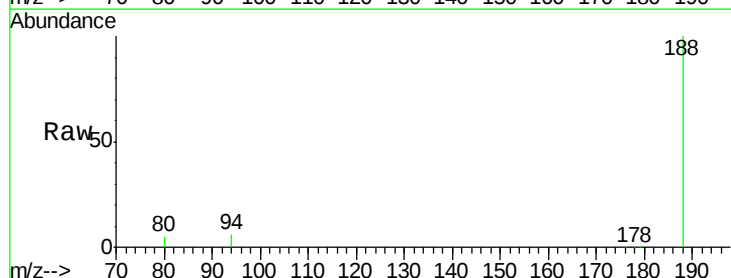
Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

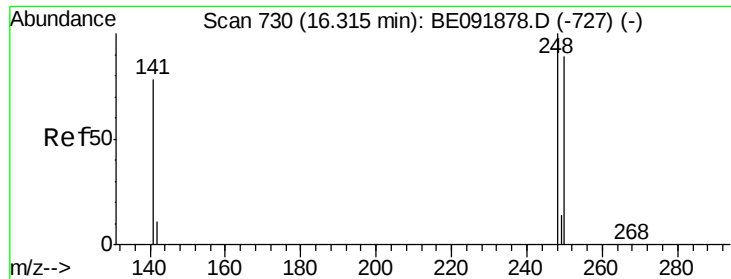
Tot Ion:204 Resp: 42984
Ion Ratio Lower Upper
204 100
206 34.5 27.8 41.6
141 239.2 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

Tgt Ion:188 Resp: 253608
Ion Ratio Lower Upper
188 100
94 6.0 4.1 6.1
80 5.2 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 2.82 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

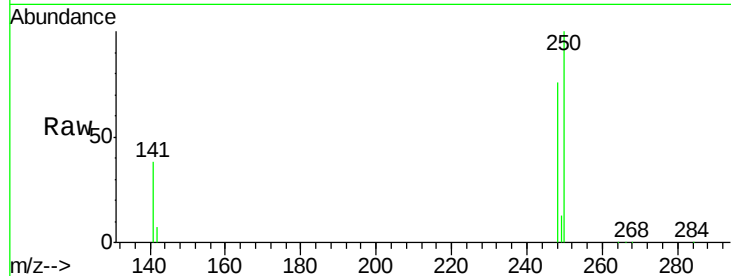
Tot Ion:248 Resp: 25677

Ion Ratio Lower Upper

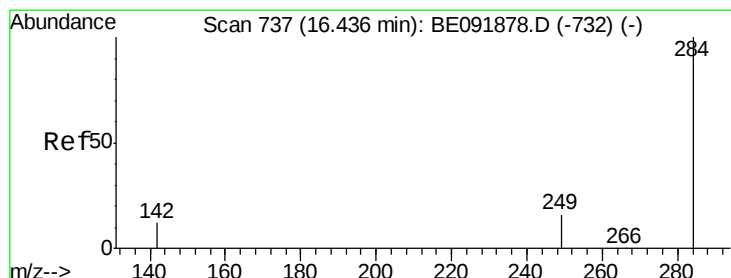
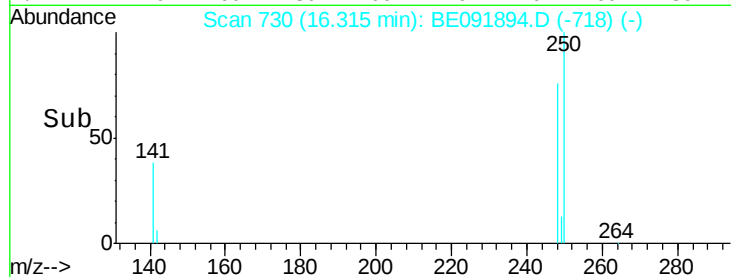
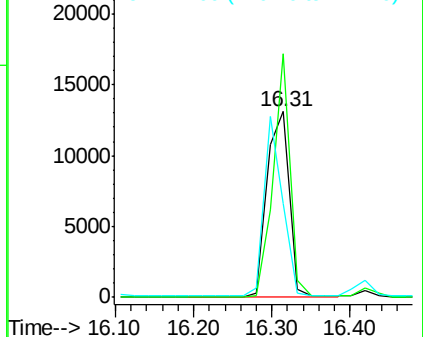
248 100

250 99.7 75.7 113.5

141 81.3 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 2.82 ng

RT: 16.44 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

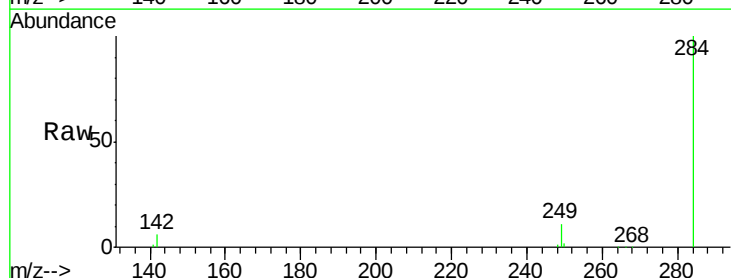
Tgt Ion:284 Resp: 26284

Ion Ratio Lower Upper

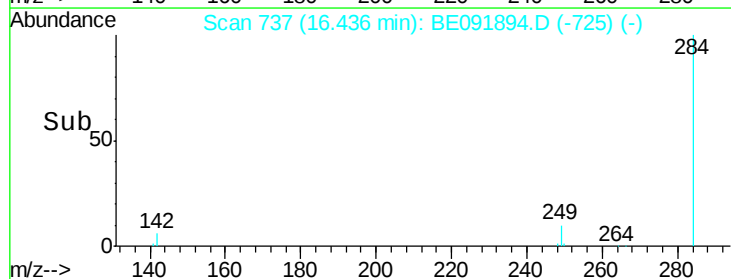
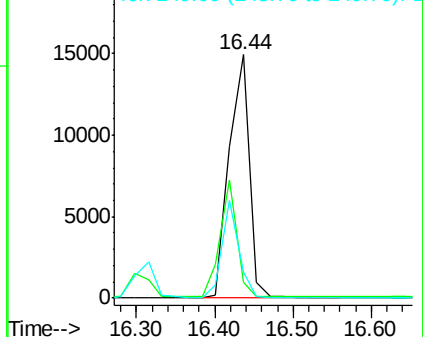
284 100

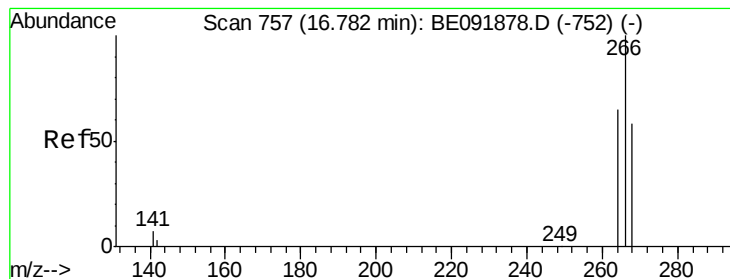
142 39.8 31.4 47.2

249 32.5 25.3 37.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 5.81 ng

RT: 16.76 min Scan# 756

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

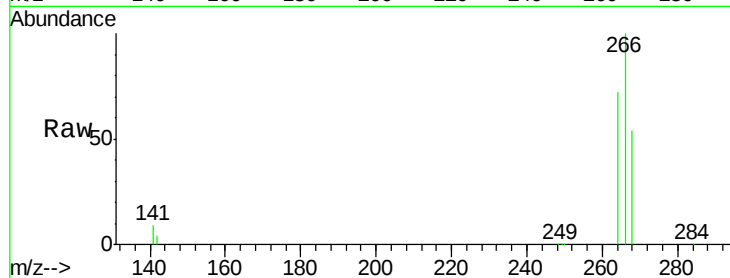
Tot Ion:266 Resp: 26389

Ion Ratio Lower Upper

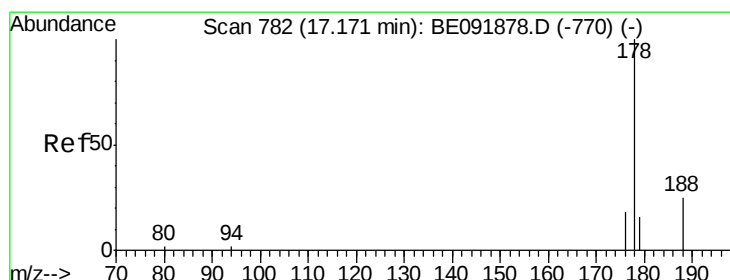
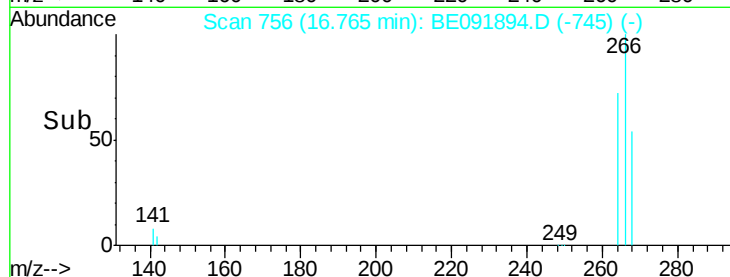
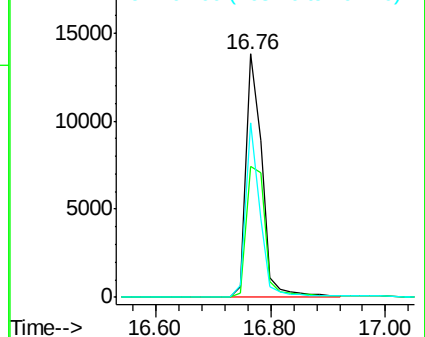
266 100

268 53.9 60.5 90.7#

264 71.9 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: 2.77 ng

RT: 17.16 min Scan# 781

Delta R.T. -0.01 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

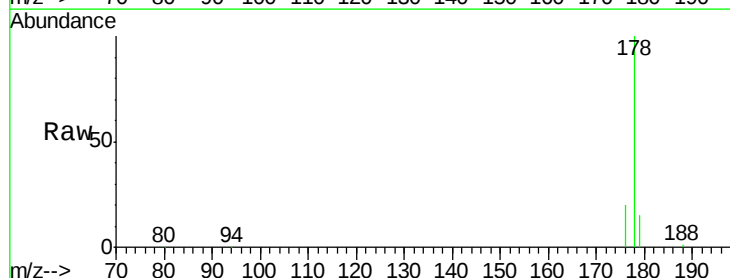
Tgt Ion:178 Resp: 162702

Ion Ratio Lower Upper

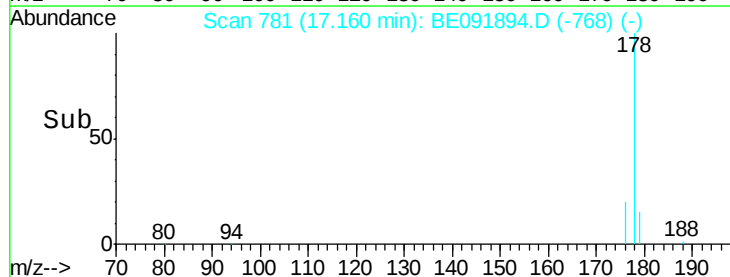
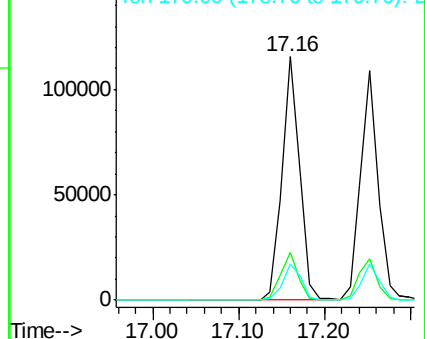
178 100

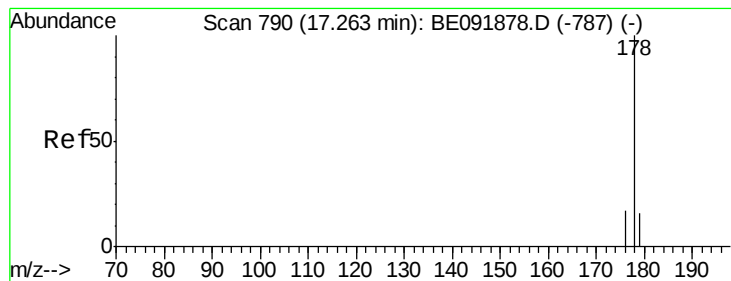
176 19.5 15.4 23.2

179 15.6 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





#29

Anthracene

Concen: 2.99 ng

RT: 17.25 min Scan# 789

Delta R.T. -0.01 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

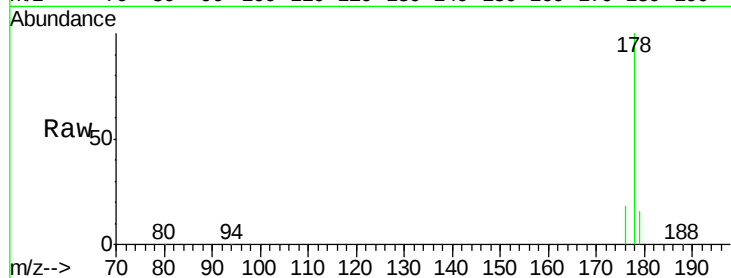
Tot Ion:178 Resp: 156453

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

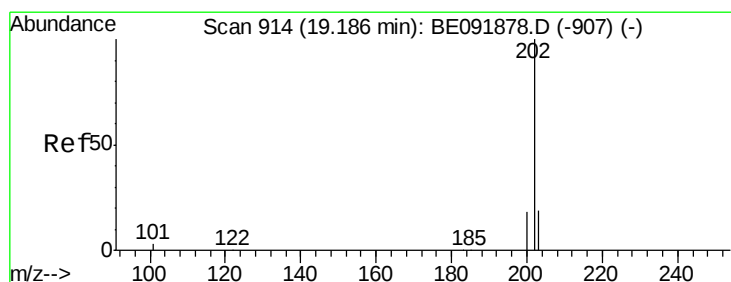
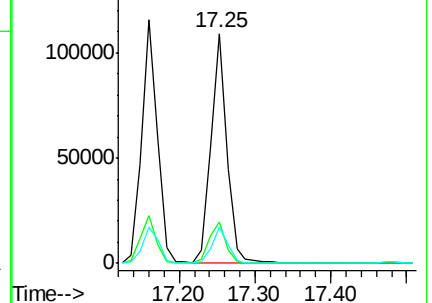
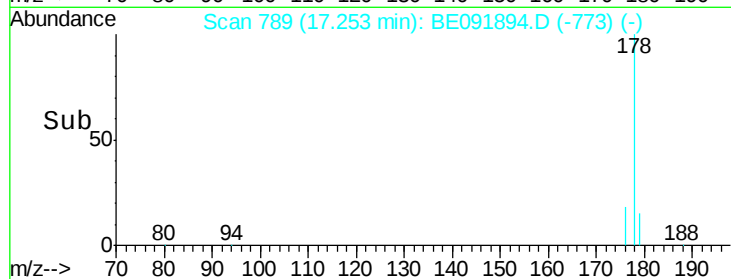
179 15.4 12.1 18.1



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



#30

Fluoranthene

Concen: 3.26 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

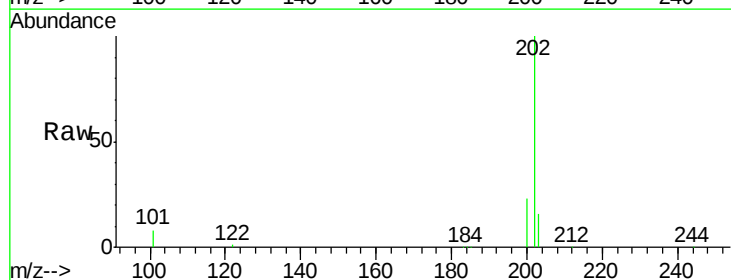
Tgt Ion:202 Resp: 206859

Ion Ratio Lower Upper

202 100

101 10.3 9.4 14.0

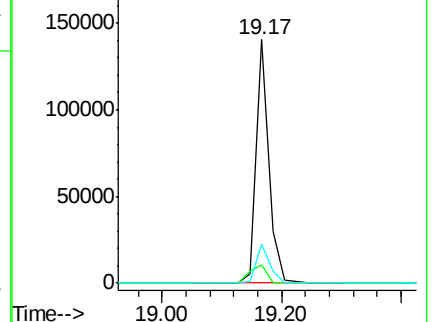
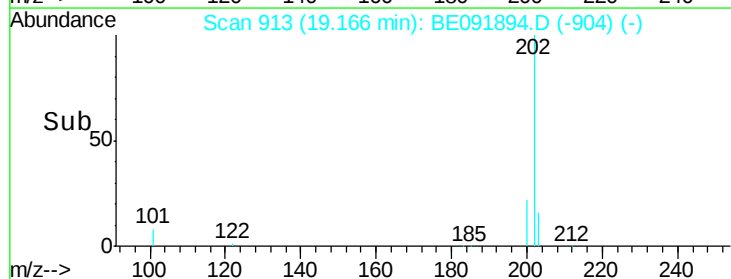
203 17.2 14.3 21.5

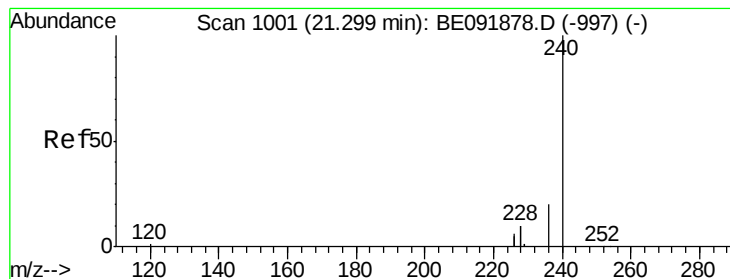


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.03 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

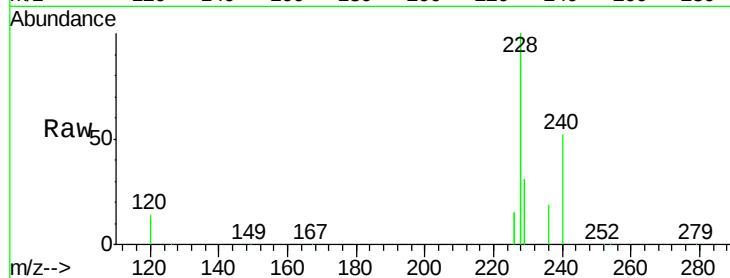
Tot Ion:240 Resp: 231361

Ion Ratio Lower Upper

240 100

120 26.8 1.2 1.8#

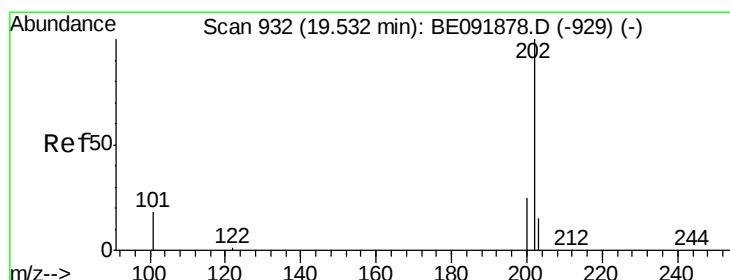
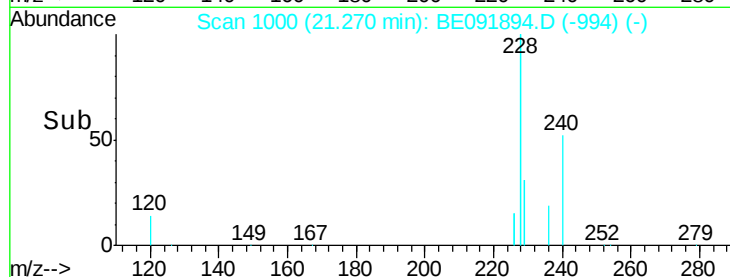
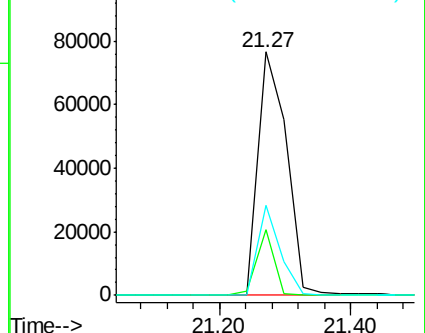
236 37.1 19.8 29.8#



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



#33

Pyrene

Concen: 3.77 ng

RT: 19.53 min Scan# 932

Delta R.T. -0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

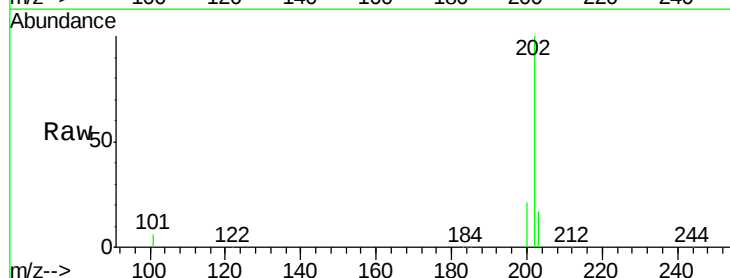
Tgt Ion:202 Resp: 220227

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

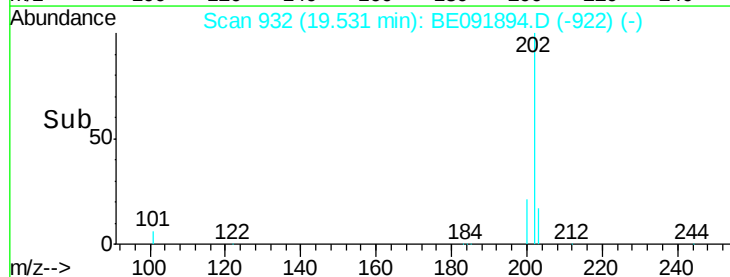
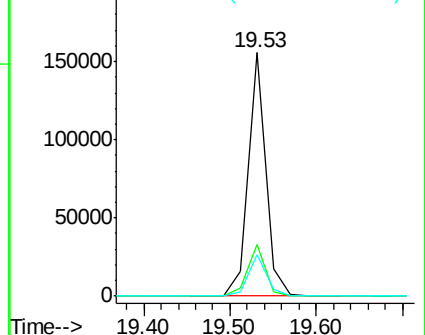
203 17.7 14.1 21.1

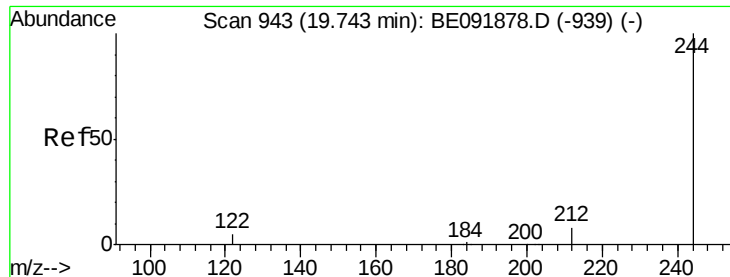


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

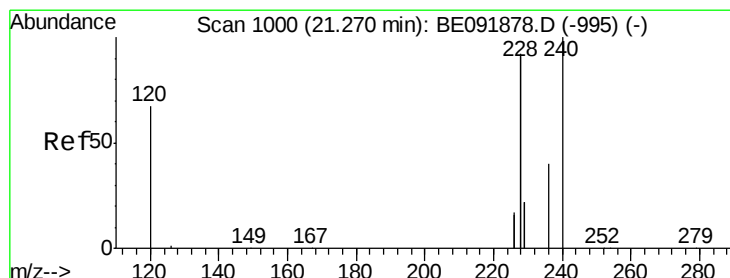
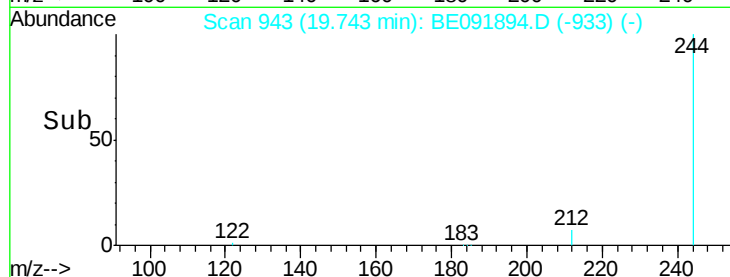
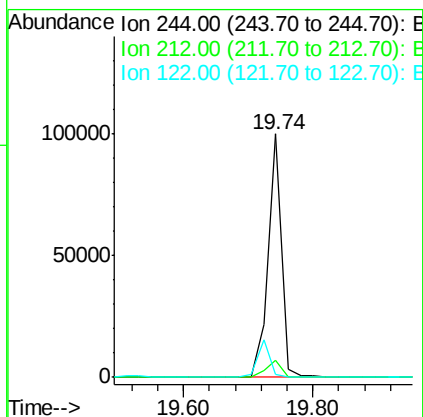
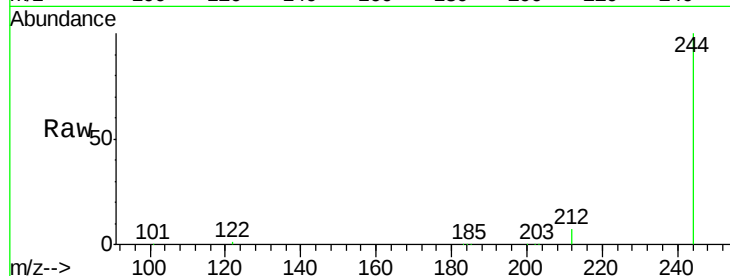




#34
 Terphenyl-d14
 Concen: -5.00 ng
 RT: 19.74 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BE091894.D
 Acq: 8 Jun 2016 2:36

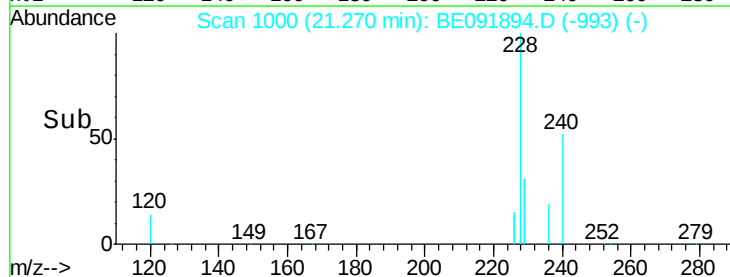
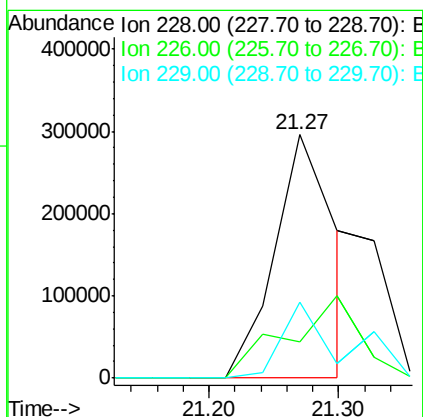
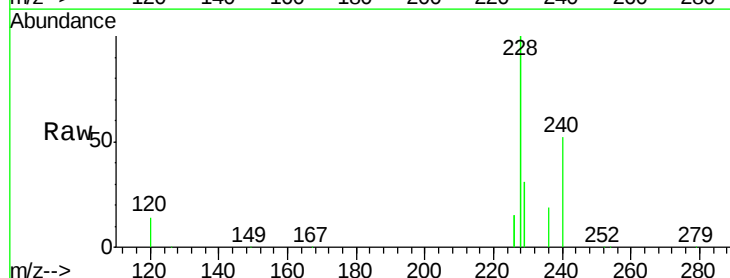
Instrument :
 BNA_E
 ClientSampleId :
 OM-SPN-001-160531MSD

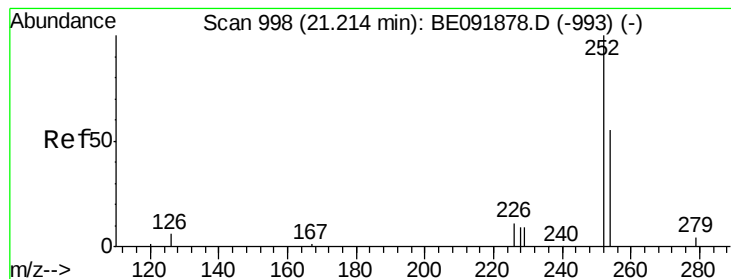
Tot Ion:244 Resp: 145996
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 1.0 2.9 4.3#



#35
 Benzo(a)anthracene
 Concen: 3.49 ng m
 RT: 21.27 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE091894.D
 Acq: 8 Jun 2016 2:36

Tgt Ion:228 Resp: 958375
 Ion Ratio Lower Upper
 228 100
 226 14.7 21.0 31.4#
 229 31.2 15.8 23.8#

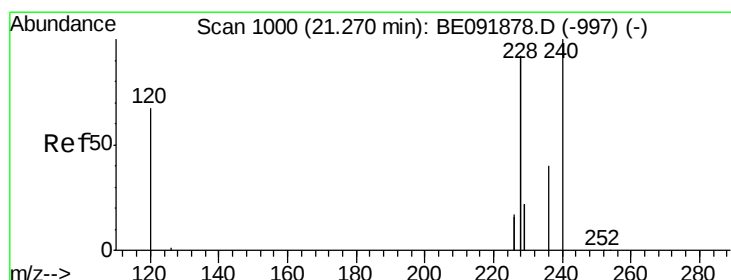
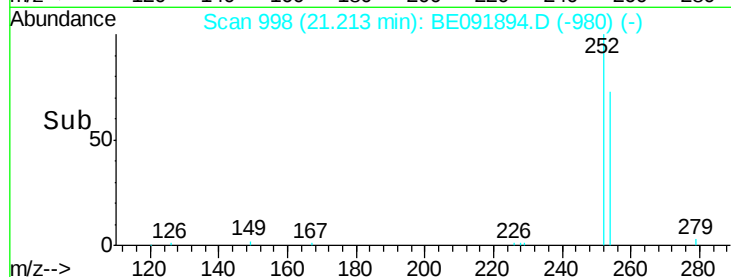
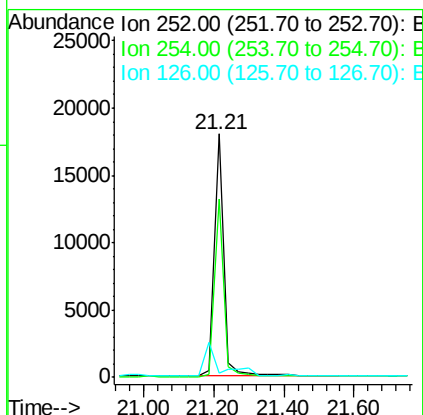
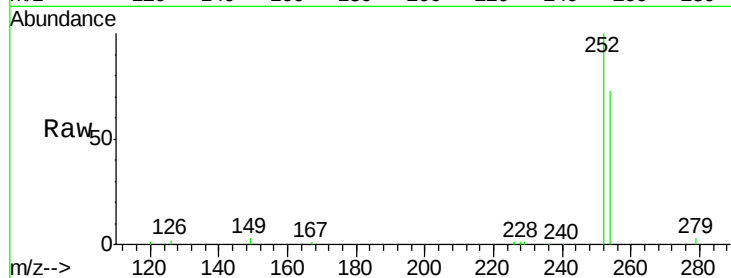




#36
 3,3'-Dichlorobenzidine
 Concen: 1.93 ng
 RT: 21.21 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: BE091894.D
 Acq: 8 Jun 2016 2:36

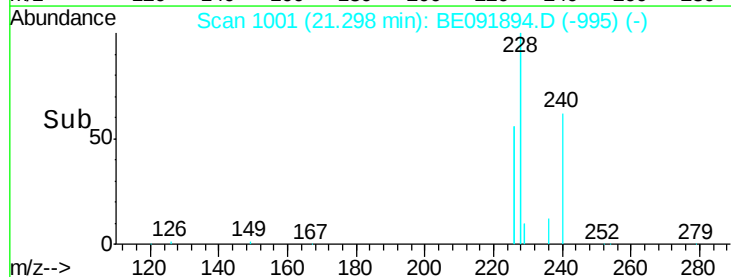
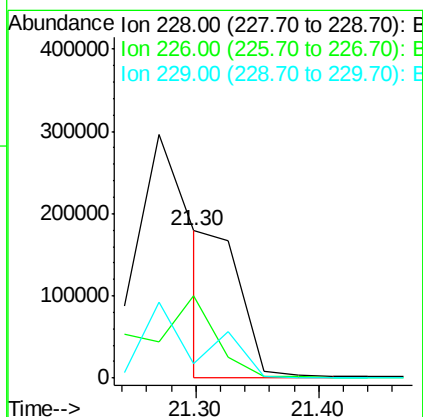
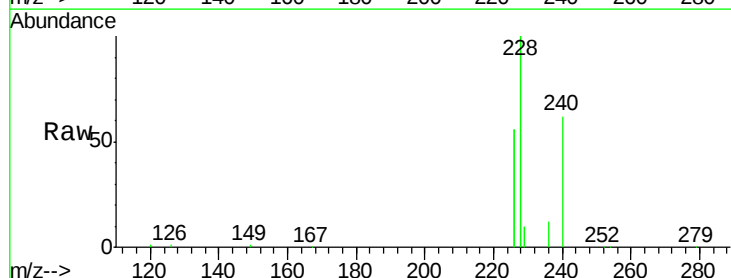
Instrument :
 BNA_E
 ClientSampleId :
 OM-SPN-001-160531MSD

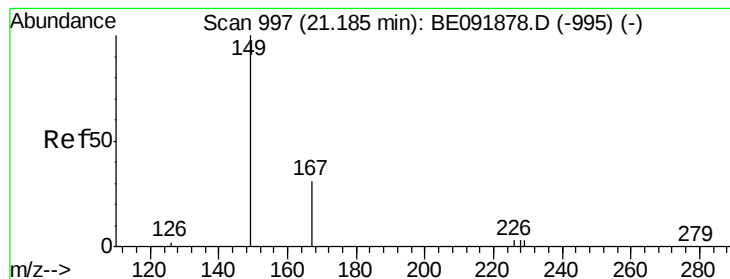
Tot Ion:252 Resp: 34962
 Ion Ratio Lower Upper
 252 100
 254 73.4 61.5 92.3
 126 1.6 2.5 3.7#



#37
 Chrysene
 Concen: 1.32 ng m
 RT: 21.30 min Scan# 1001
 Delta R.T. -0.03 min
 Lab File: BE091894.D
 Acq: 8 Jun 2016 2:36

Tgt Ion:228 Resp: 310778
 Ion Ratio Lower Upper
 228 100
 226 56.1 27.0 40.6#
 229 10.0 13.8 20.8#





#38

Bis(2-ethylhexyl)phthalate

Concen: 2.50 ng

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

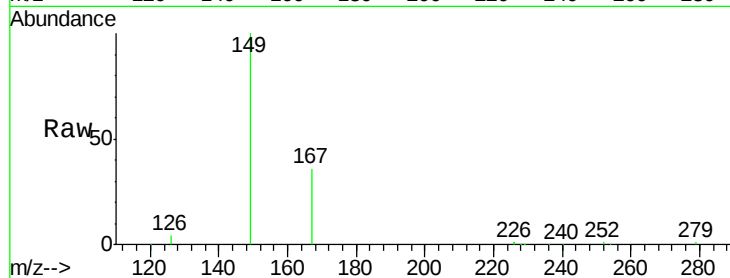
Tot Ion:149 Resp: 103704

Ion Ratio Lower Upper

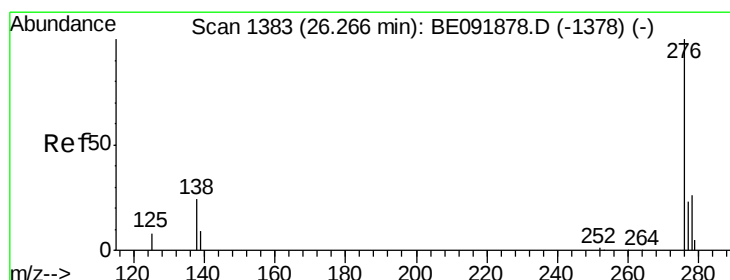
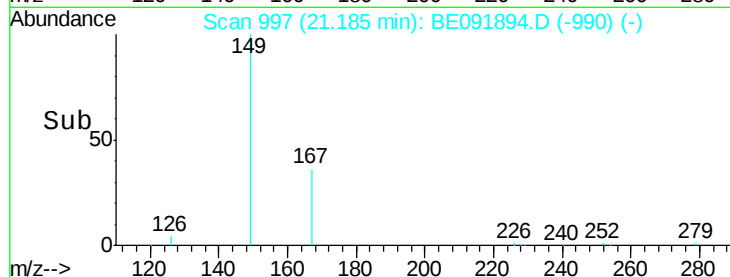
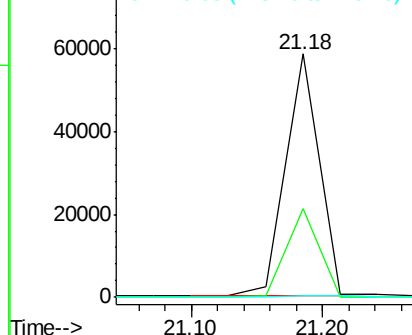
149 100

167 35.4 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: 3.40 ng

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

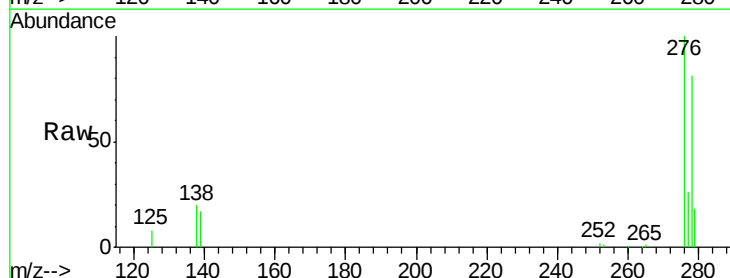
Tgt Ion:276 Resp: 239739

Ion Ratio Lower Upper

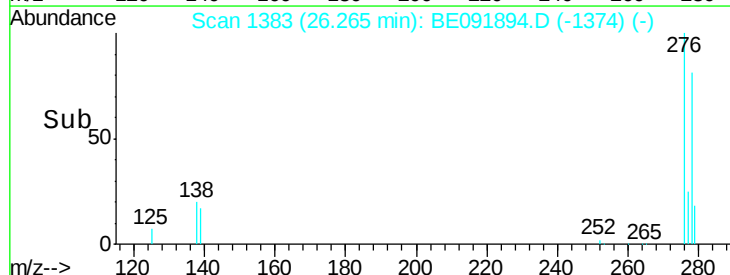
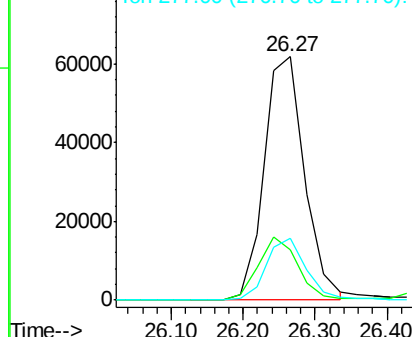
276 100

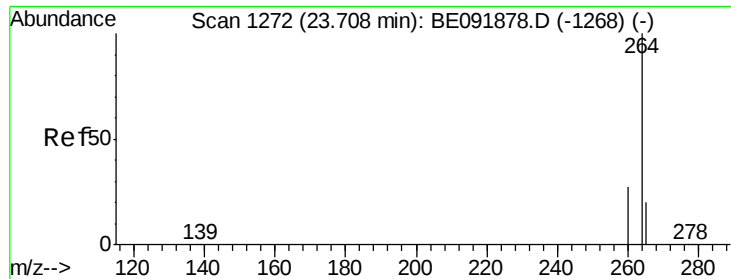
138 0.0 19.7 29.5#

277 24.8 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

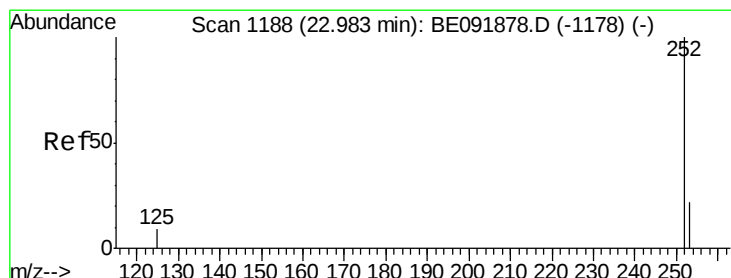
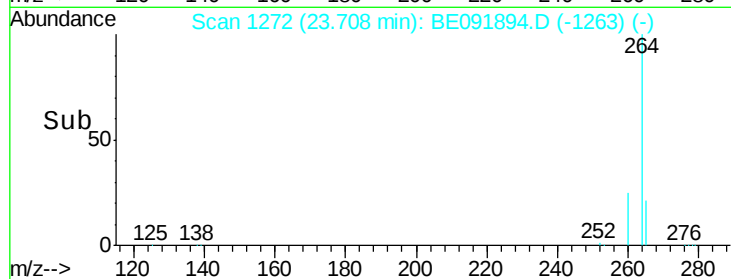
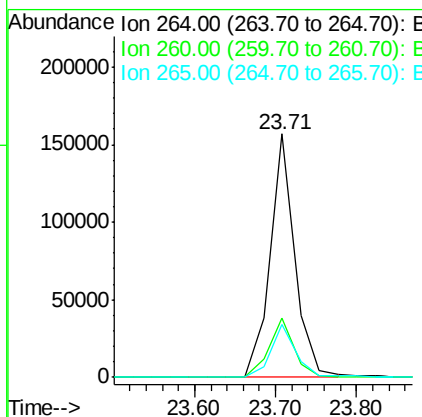
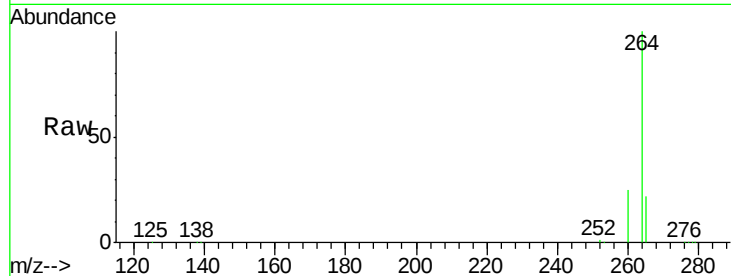




#40
Pervlene-d12
Concen: 5.00 ng
RT: 23.71 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

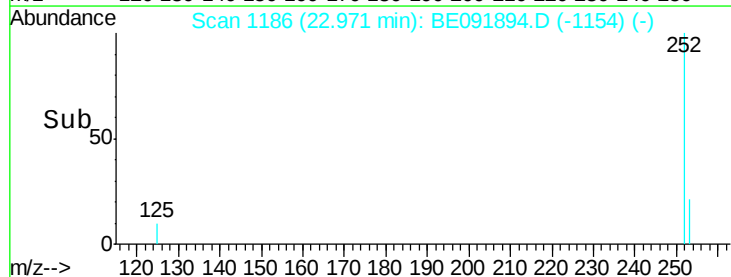
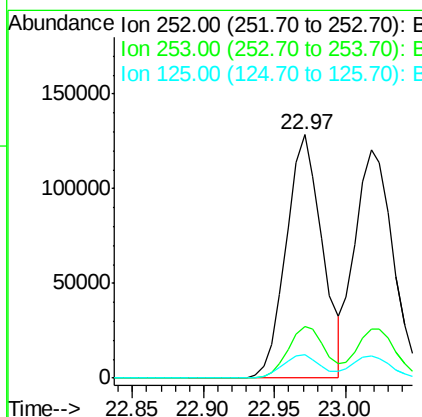
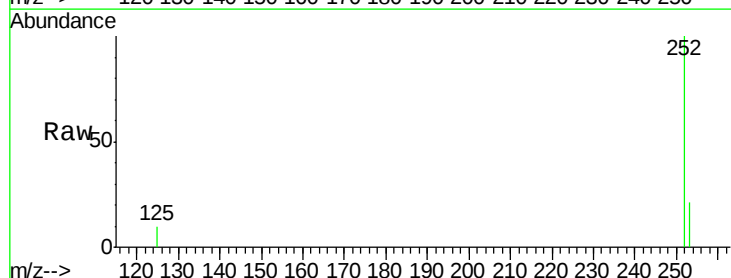
Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

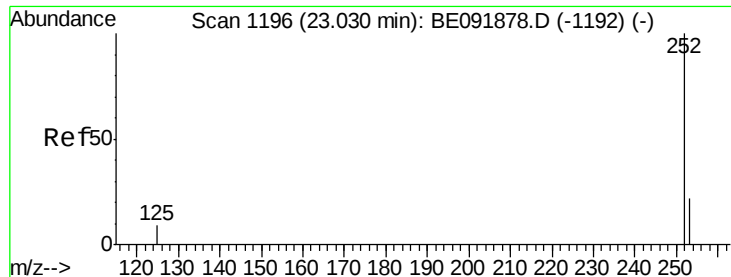
Tot Ion:264 Resp: 333296
Ion Ratio Lower Upper
264 100
260 24.6 20.3 30.5
265 21.6 17.6 26.4



#41
Benzo(b)fluoranthene
Concen: 2.79 ng
RT: 22.97 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

Tgt Ion:252 Resp: 226858
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 9.6 9.4 14.2

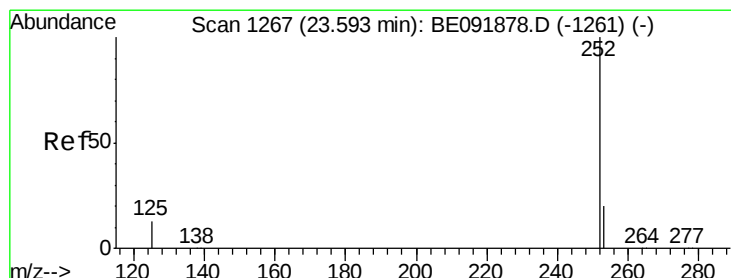
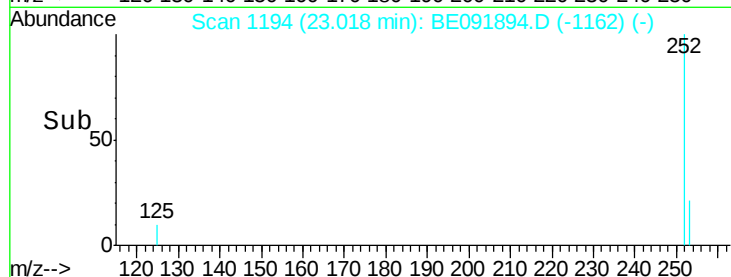
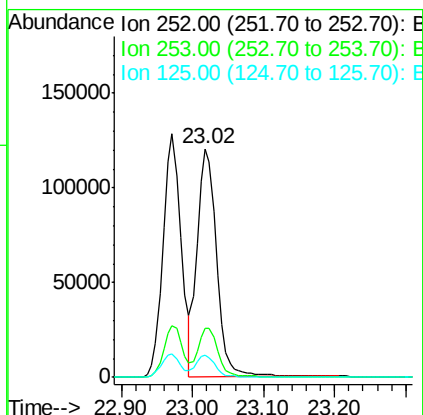
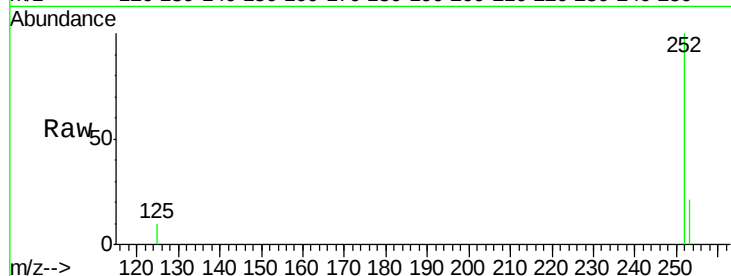




#42
Benzo(k)fluoranthene
Concen: 2.74 ng
RT: 23.02 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

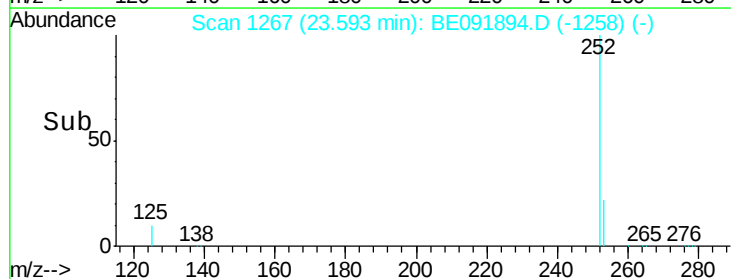
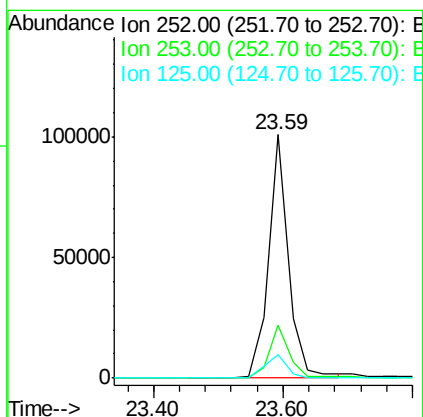
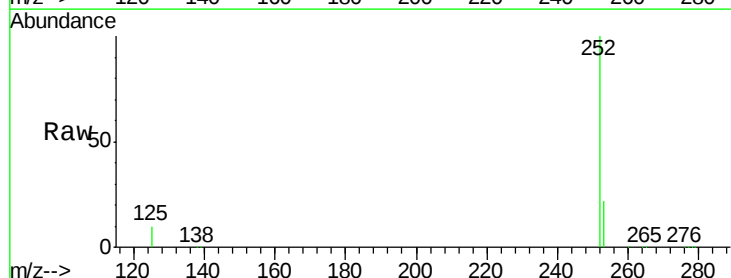
Instrument :
BNA_E
ClientSampleId :
OM-SPN-001-160531MSD

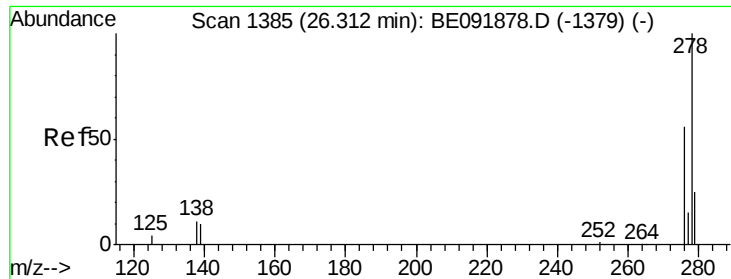
Tot Ion:252 Resp: 231344
Ion Ratio Lower Upper
252 100
253 21.4 19.4 29.2
125 9.8 8.3 12.5



#43
Benzo(a)pyrene
Concen: 2.83 ng
RT: 23.59 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BE091894.D
Acq: 8 Jun 2016 2:36

Tgt Ion:252 Resp: 215765
Ion Ratio Lower Upper
252 100
253 21.8 18.9 28.3
125 9.8 10.5 15.7#





#44

Dibenzo(a,h)anthracene

Concen: 2.84 ng

RT: 26.29 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

Instrument :

BNA_E

ClientSampleId :

OM-SPN-001-160531MSD

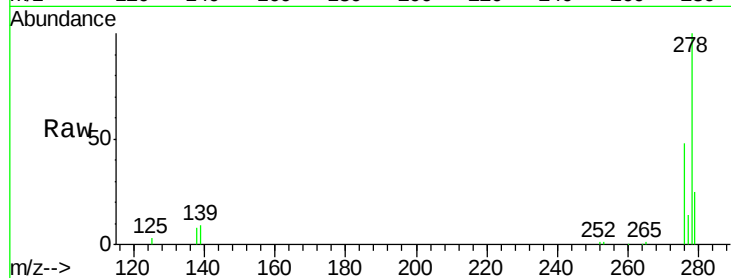
Tot Ion:278 Resp: 202397

Ion Ratio Lower Upper

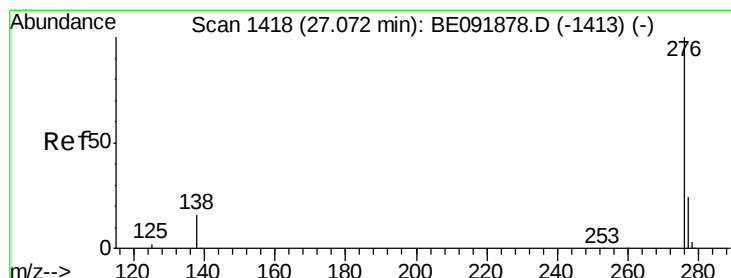
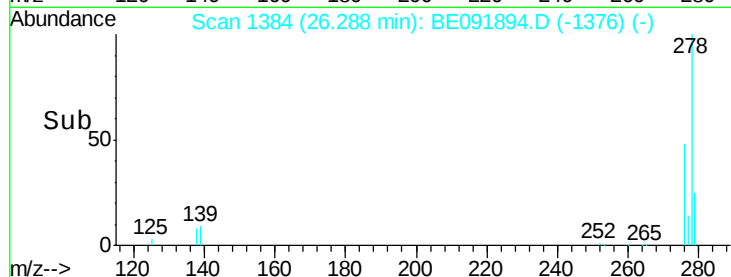
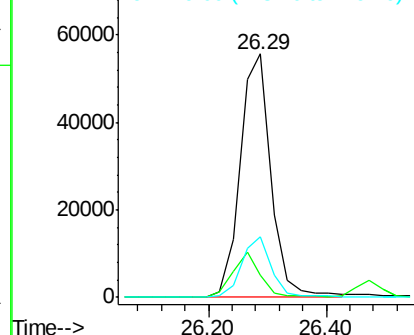
278 100

139 9.1 12.6 18.8#

279 24.8 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#45

Benzo(g,h,i)perylene

Concen: 2.77 ng

RT: 27.05 min Scan# 1417

Delta R.T. -0.02 min

Lab File: BE091894.D

Acq: 8 Jun 2016 2:36

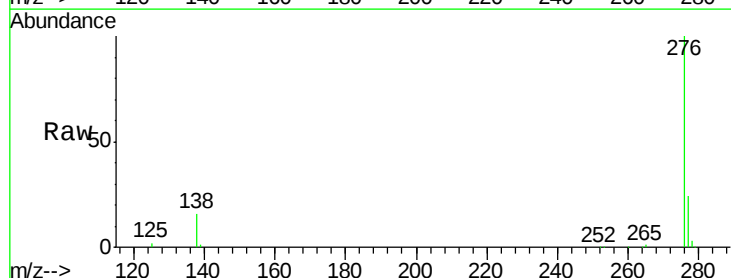
Tgt Ion:276 Resp: 206856

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 15.8 17.7 26.5#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

