Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
Data File : BE091992.D
Acq On : 9 Jul 2016 10:55
Operator : UM/SJ
Sample : PB91976BL
Misc : 4X internal std added
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB91976BL

Quant Time: Jul 11 08:57:44 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	21855	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	98901	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	71090	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	153246	5.00	ng	0.00
31) Chrysene-d12	21.76	240	260304	5.00	ng	0.00
40) Perylene-d12	24.18	264	189551	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	23869	4.57	ng	0.00
5) Phenol-d6	7.35	99	32806	4.52	ng	-0.02
9) Nitrobenzene-d5	9.37	82	18033	2.68	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	10717	4.28	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	51120	2.95	ng	0.00
34) Terphenyl-d14	20.22	244	106424	3.47	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.85	42	21	0.04	ng	# 1
7) n-Nitroso-di-n-propylamine	9.37	70	2217	0.37	ng	# 88
11) bis(2-Chloroethoxy)methane	10.05	93	629	0.08	ng	# 1
19) 2,6-Dinitrotoluene	14.07	165	1955	0.22	ng	# 81
21) 2,4-Dinitrotoluene	14.86	165	37325	1.77	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	320	0.03	ng	# 1
32) Benzidine	19.88	184	191	0.22	ng	# 1
35) Benzo(a)anthracene	21.76	228	1084	0.02	ng	# 71
36) 3,3'-Dichlorobenzidine	21.70	252	64	Below Cal		# 84

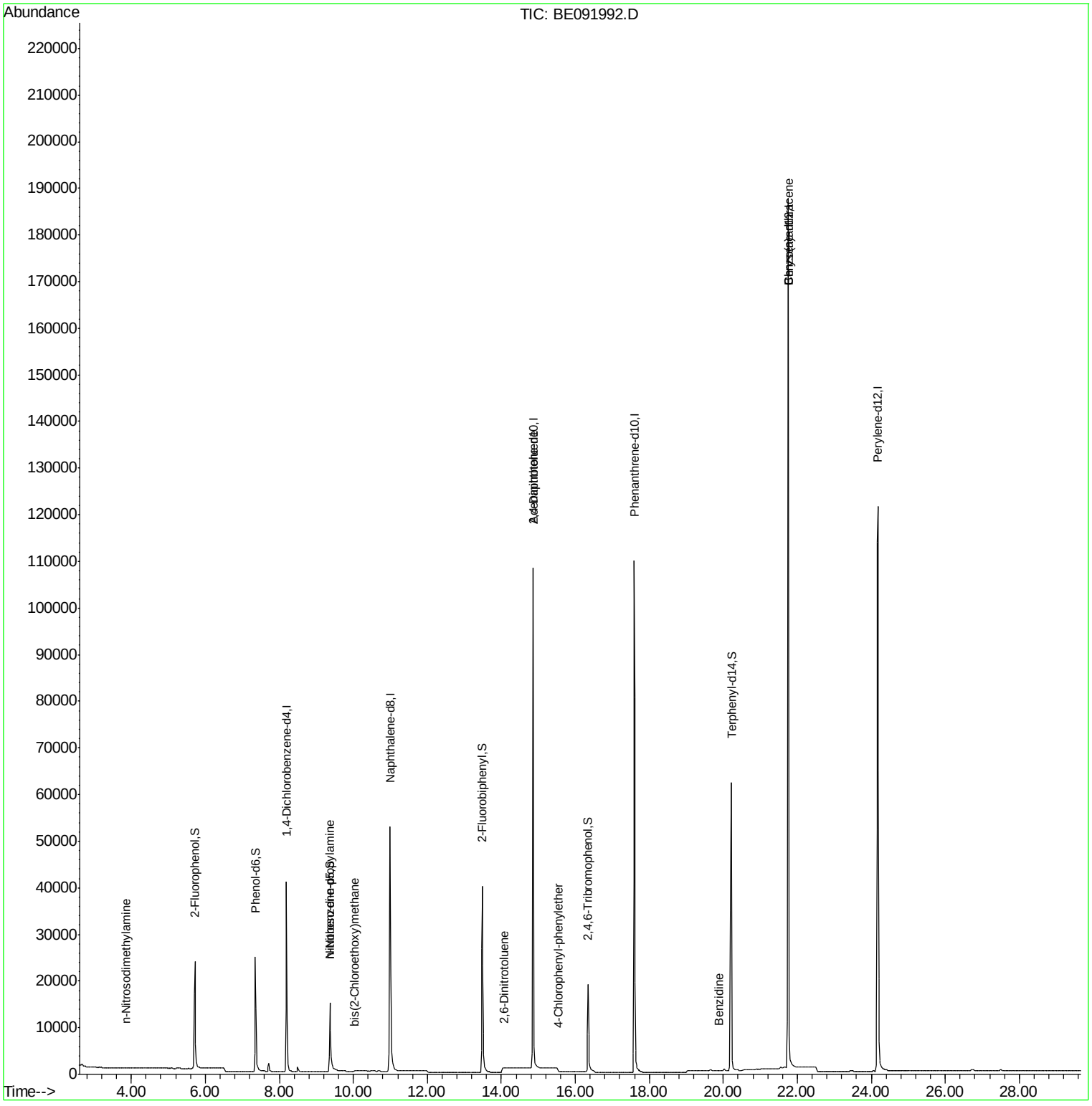
(#) = qualifier out of range (m) = manual integration (+) = signals summed

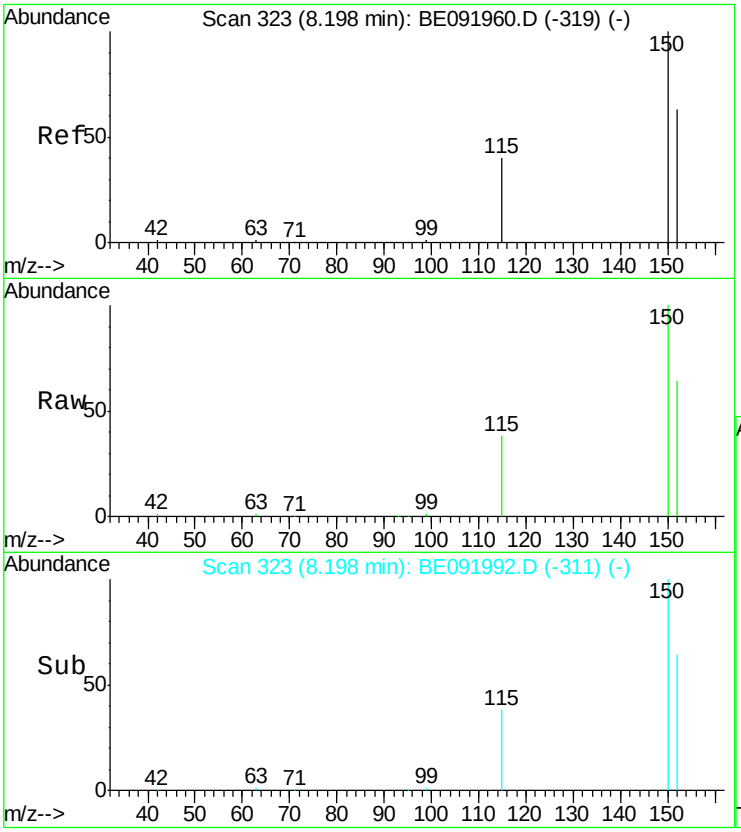
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070916\
Data File : BE091992.D
Acq On : 9 Jul 2016 10:55
Operator : UM/SJ
Sample : PB91976BL
Misc : 4X internal std added
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Quant Time: Jul 11 08:57:44 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 16:14:58 2016
Response via : Initial Calibration



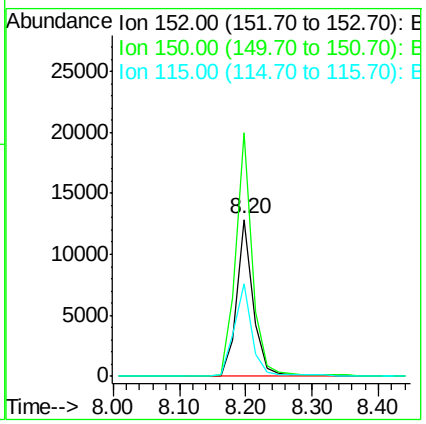


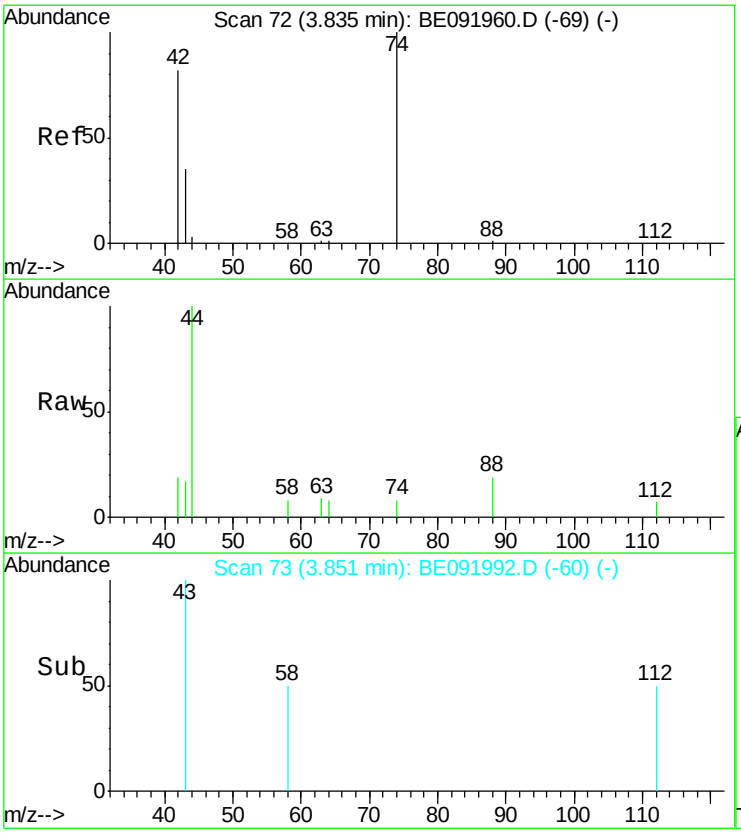
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:152 Resp: 21855

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.9	185.9
115	59.4	48.3	72.5

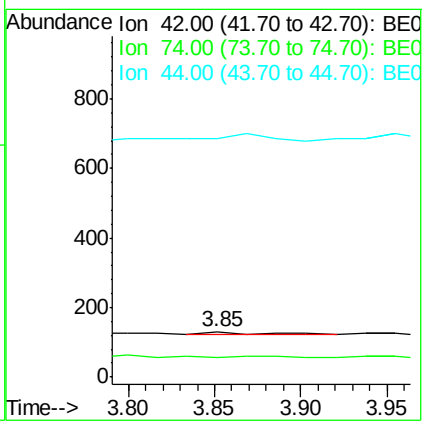


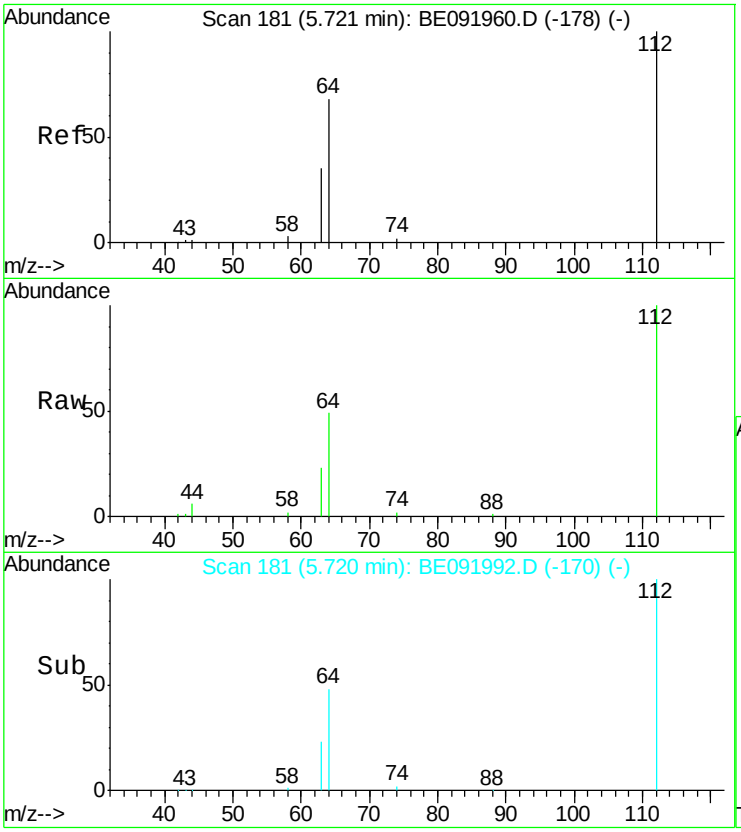


#3
n-Nitrosodimethylamine
Concen: 0.04 ng
RT: 3.85 min Scan# 73
Delta R.T. 0.02 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion: 42 Resp: 21

Ion	Ratio	Lower	Upper
42	100		
74	0.0	93.4	140.0#
44	0.0	5.0	7.6#



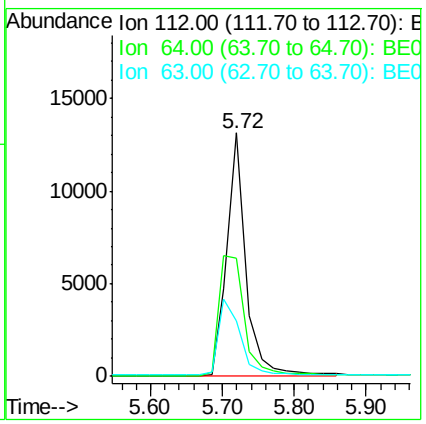


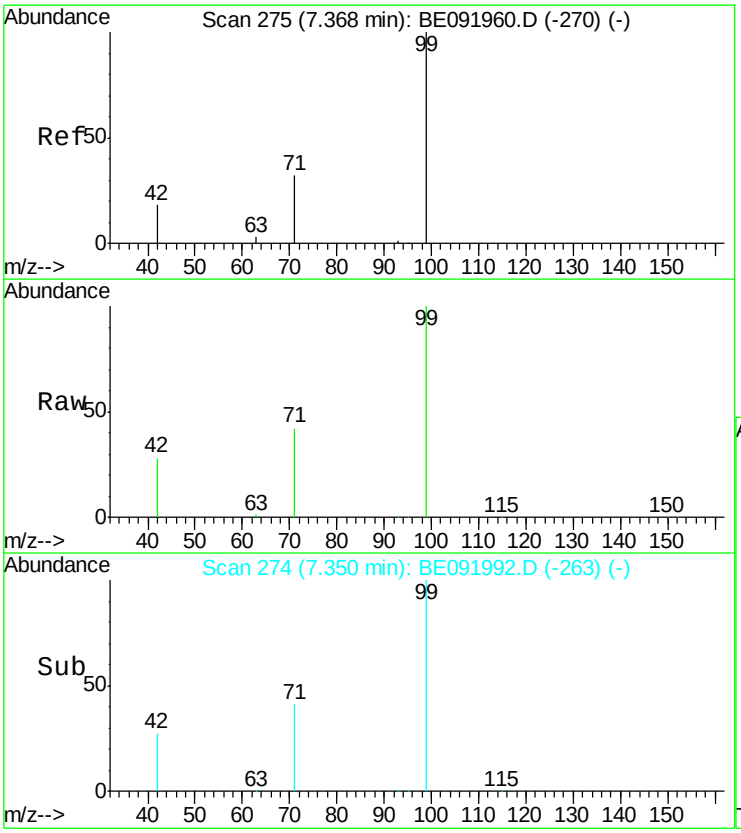
#4
2-Fluorophenol
Concen: 4.57 ng
RT: 5.72 min Scan# 181
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:112 Resp: 23869

Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.7	80.5
63	36.4	29.5	44.3

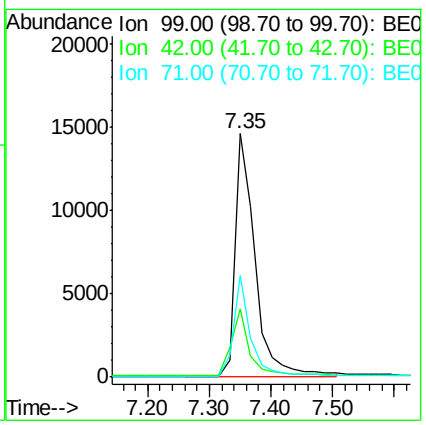


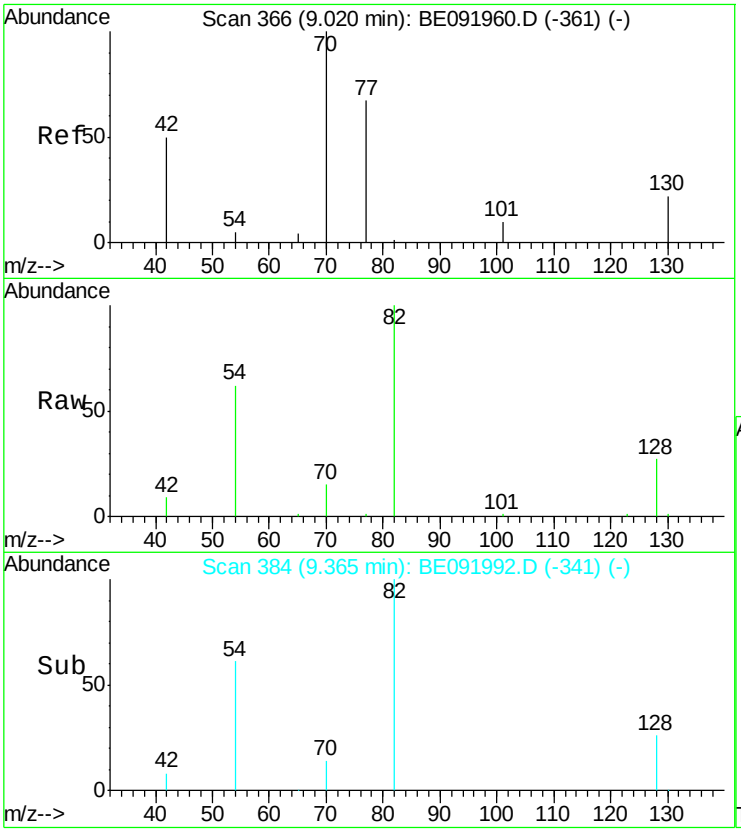


#5
Phenol-d6
Concen: 4.52 ng
RT: 7.35 min Scan# 274
Delta R.T. -0.02 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion: 99 Resp: 32806

Ion	Ratio	Lower	Upper
99	100		
42	25.2	19.6	29.4
71	35.6	28.1	42.1



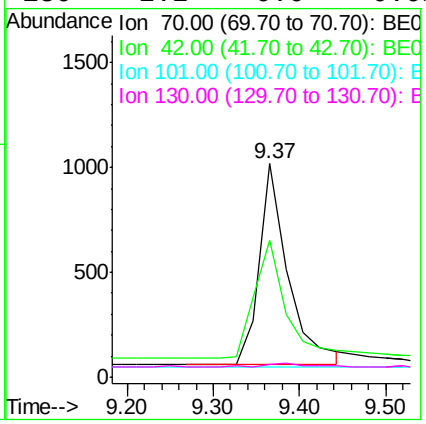


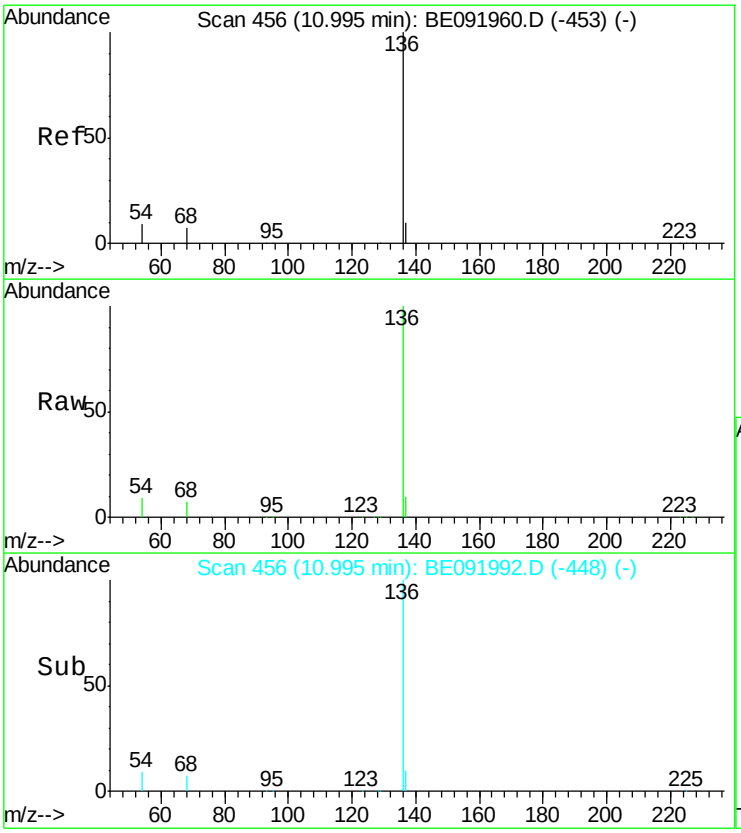
#7
n-Nitroso-di-n-propylamine
Concen: 0.37 ng
RT: 9.37 min Scan# 384
Delta R.T. 0.35 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion: 70 Resp: 2217

Ion	Ratio	Lower	Upper
70	100		
42	64.3	58.4	87.6
101	0.0	6.4	9.6#
130	2.2	0.0	0.0#

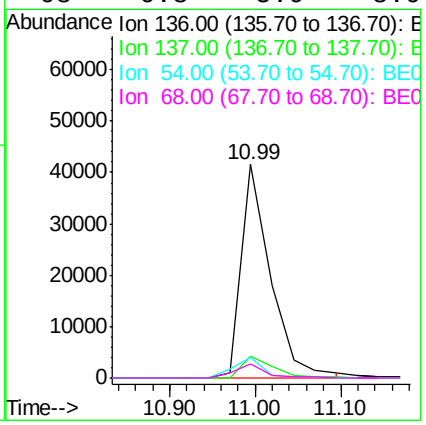


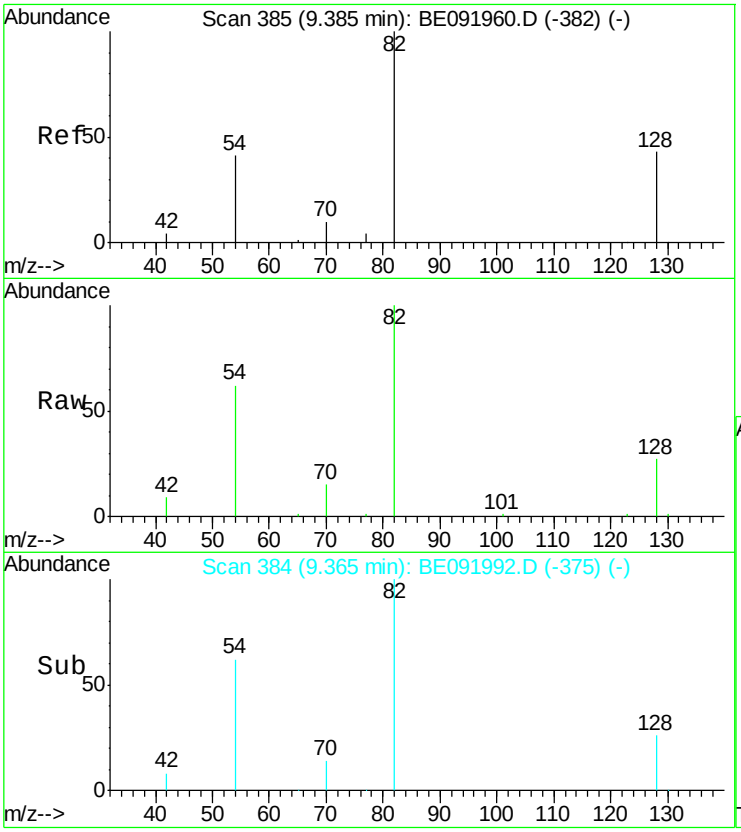


#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 456
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:136 Resp: 98901

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.3	12.5
54	9.4	8.2	12.4
68	6.8	5.9	8.9



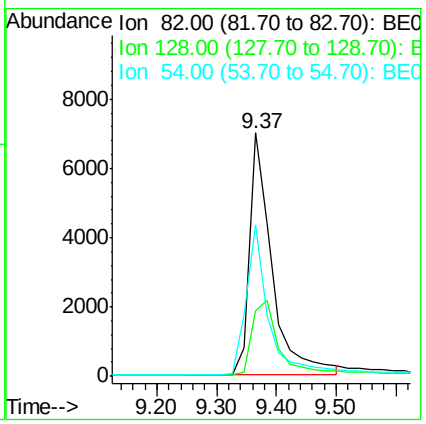


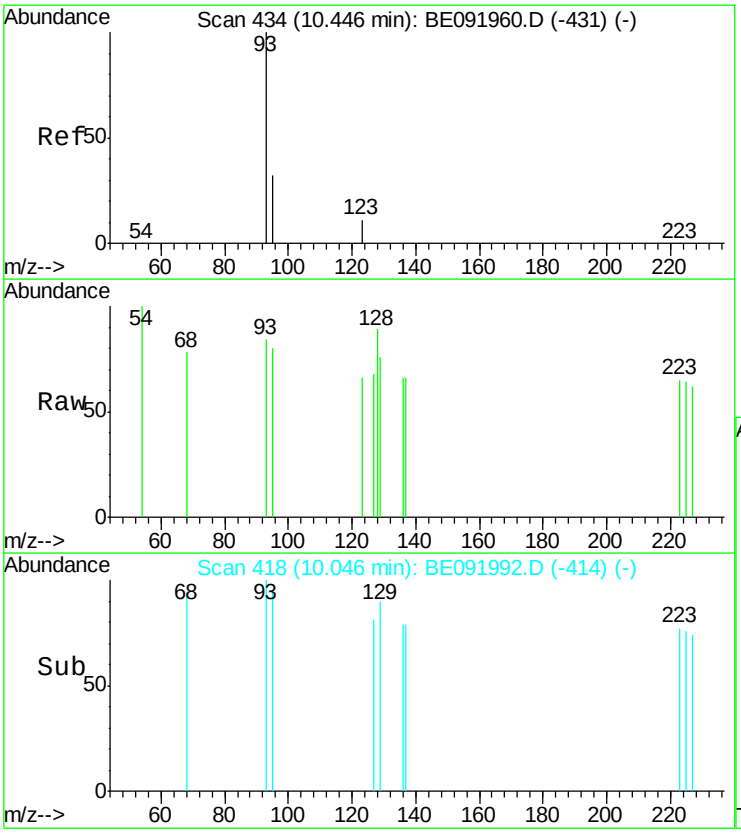
#9
Nitrobenzene-d5
Concen: 2.68 ng
RT: 9.37 min Scan# 384
Delta R.T. -0.02 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion: 82 Resp: 18033

Ion	Ratio	Lower	Upper
82	100		
128	27.0	39.5	59.3#
54	62.1	30.3	45.5#

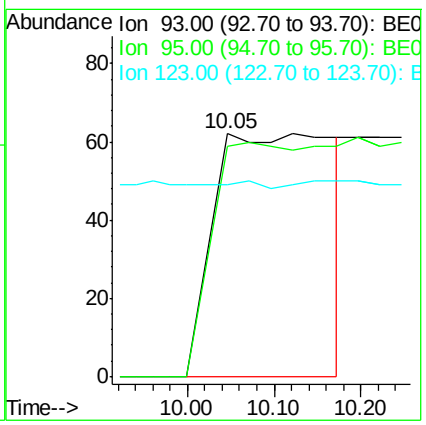


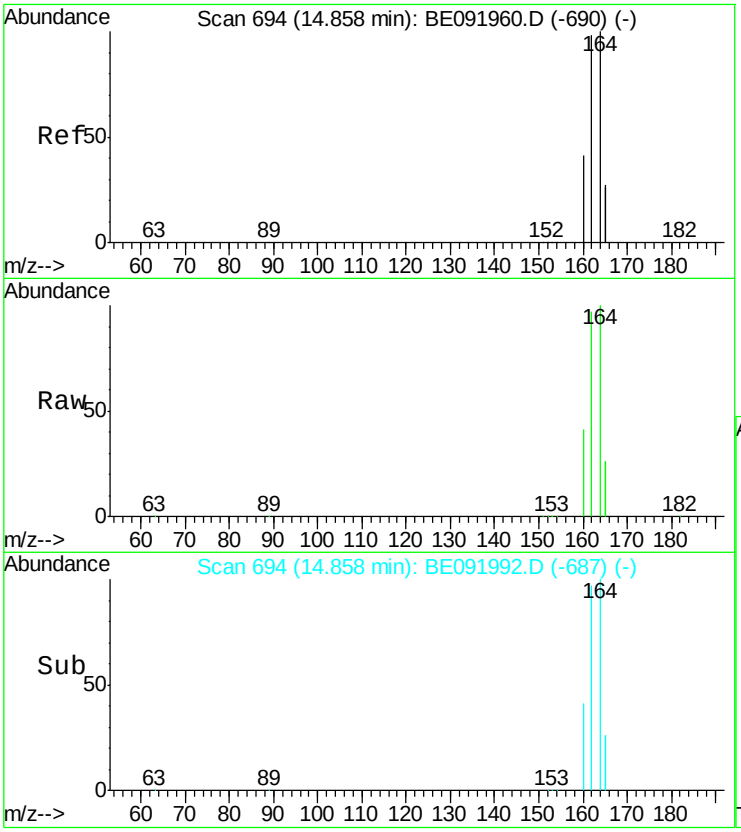


#11
bis(2-Chloroethoxy)methane
Concen: 0.08 ng
RT: 10.05 min Scan# 418
Delta R.T. -0.40 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion: 93 Resp: 629

Ion	Ratio	Lower	Upper
93	100		
95	0.0	57.6	86.4#
123	0.0	100.2	150.4#



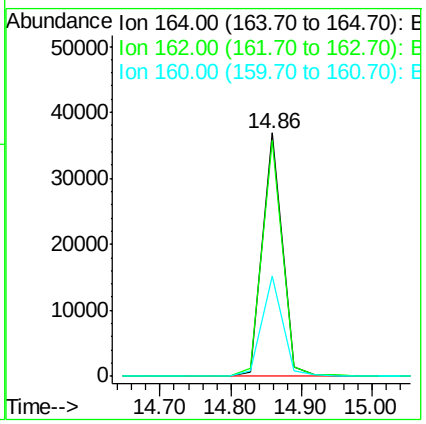


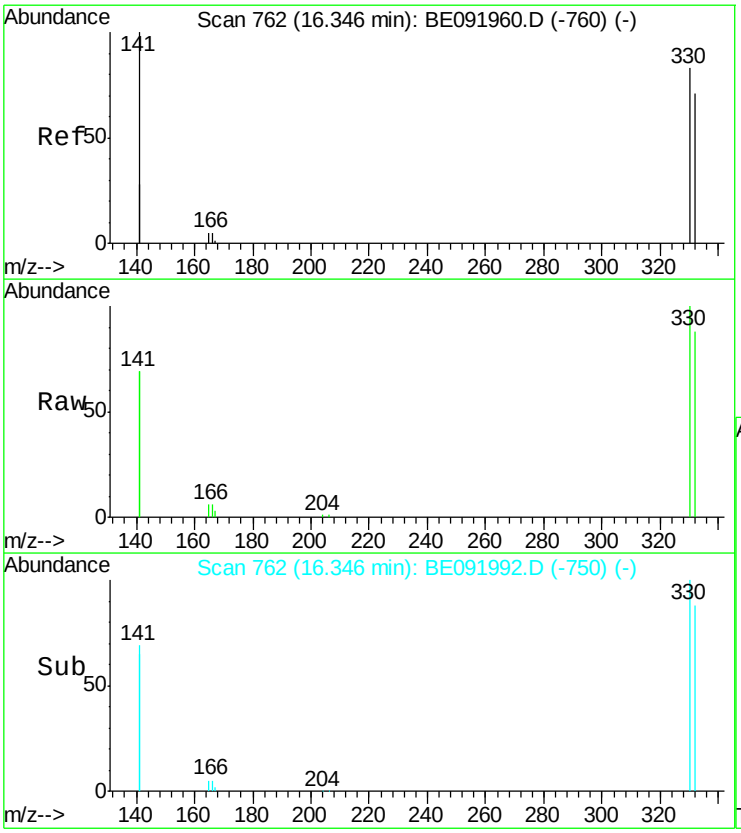
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:164 Resp: 71090

Ion	Ratio	Lower	Upper
164	100		
162	96.7	71.8	107.8
160	41.2	28.0	42.0

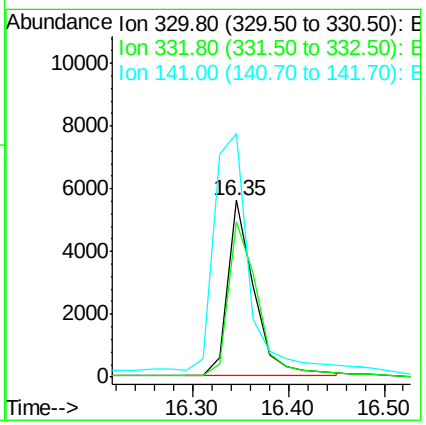


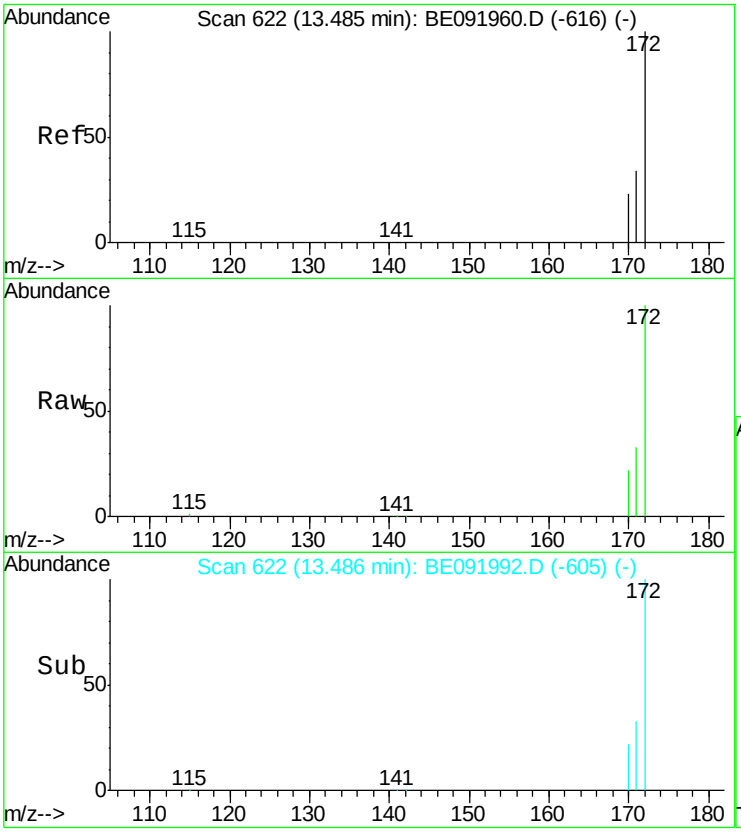


#16
2,4,6-Tribromophenol
Concen: 4.28 ng
RT: 16.35 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:330 Resp: 10717

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	172.5	138.4	207.6



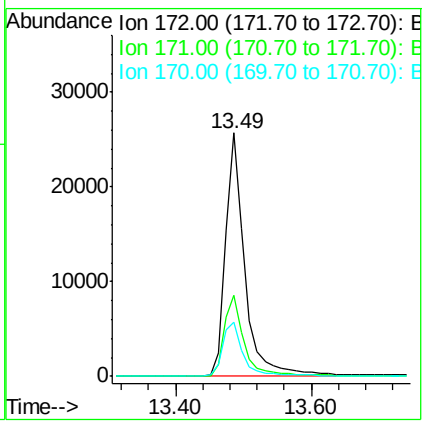


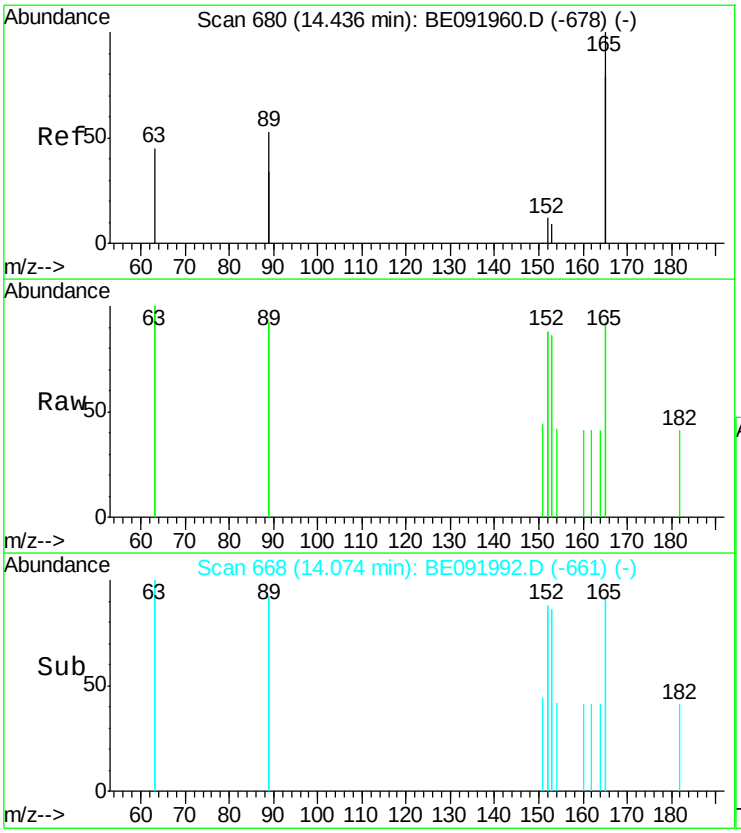
#17
2-Fluorobiphenyl
Concen: 2.95 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:172 Resp: 51120

Ion	Ratio	Lower	Upper
172	100		
171	33.4	24.3	36.5
170	22.1	14.9	22.3

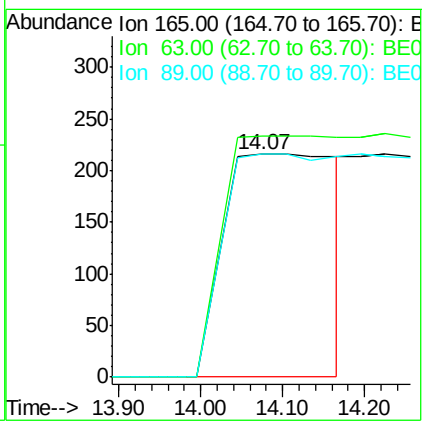


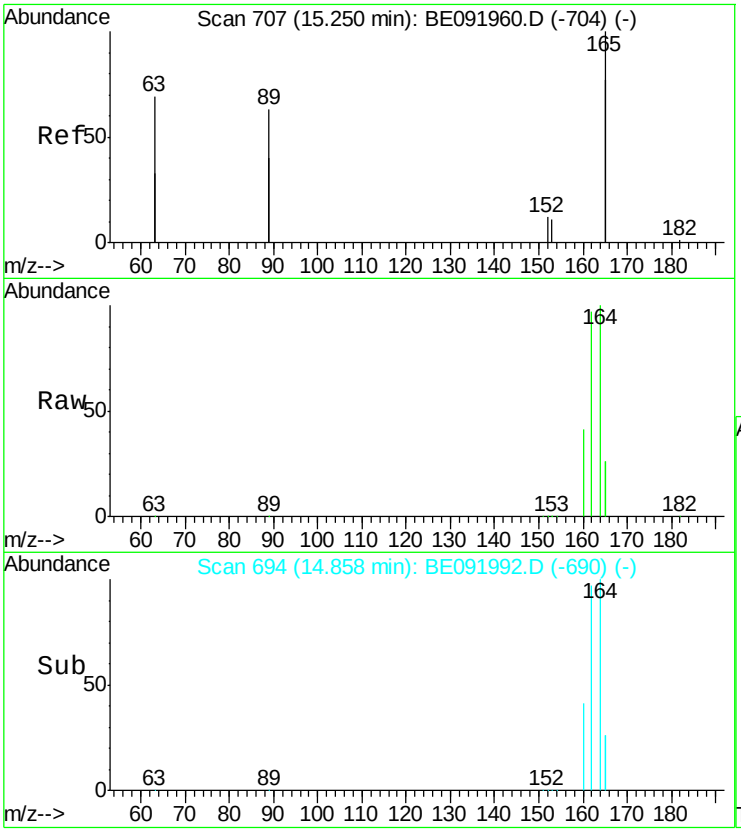


#19
2,6-Dinitrotoluene
Concen: 0.22 ng
RT: 14.07 min Scan# 668
Delta R.T. -0.36 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:165 Resp: 1955

Ion	Ratio	Lower	Upper
165	100		
63	108.5	65.9	98.9#
89	79.6	59.1	88.7



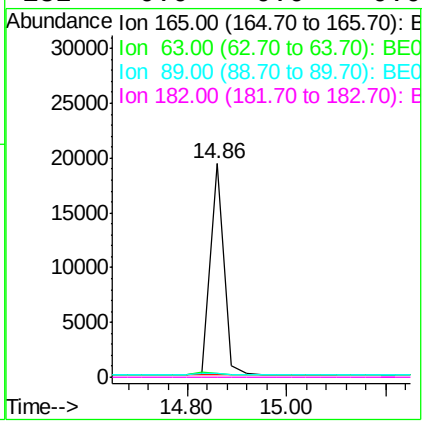


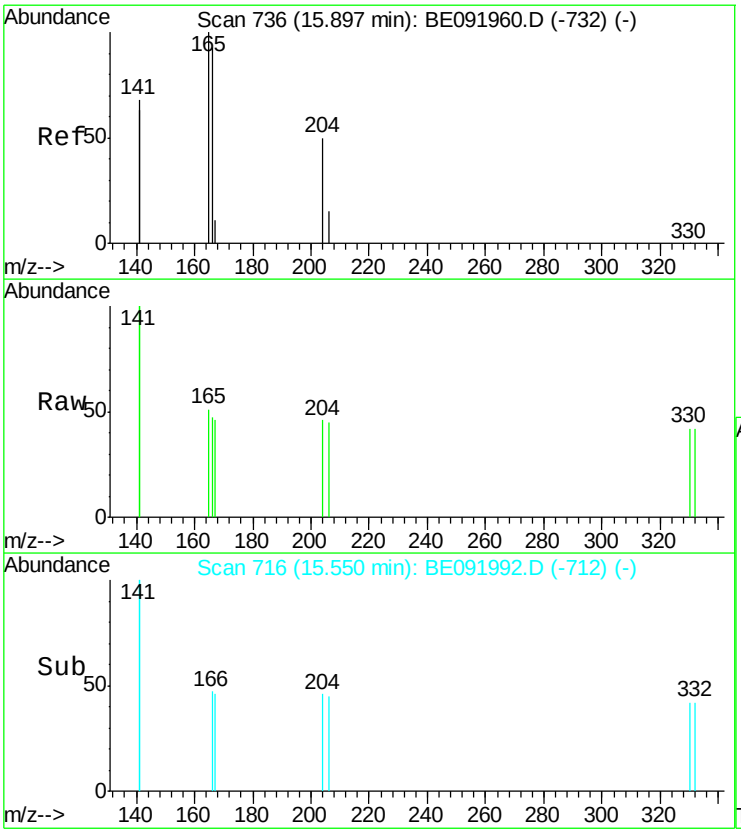
#21
2,4-Dinitrotoluene
Concen: 1.77 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:165 Resp: 37325

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

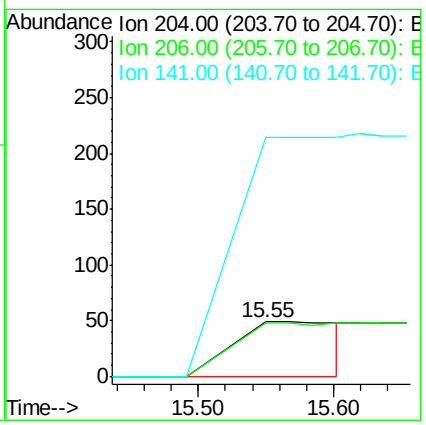


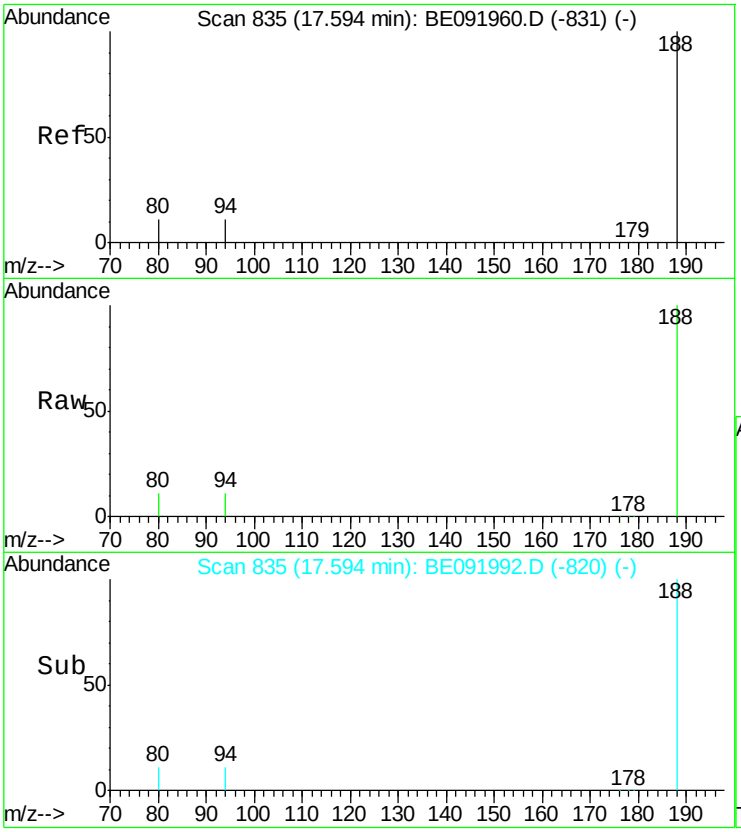


#23
4-Chlorophenyl-phenylether
Concen: 0.03 ng
RT: 15.55 min Scan# 716
Delta R.T. -0.35 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:204 Resp: 320

Ion	Ratio	Lower	Upper
204	100		
206	82.2	27.8	41.6#
141	0.0	197.6	296.4#



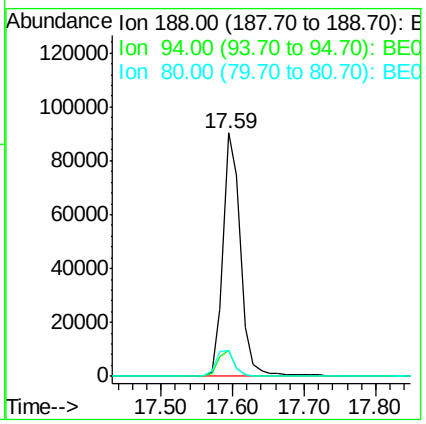


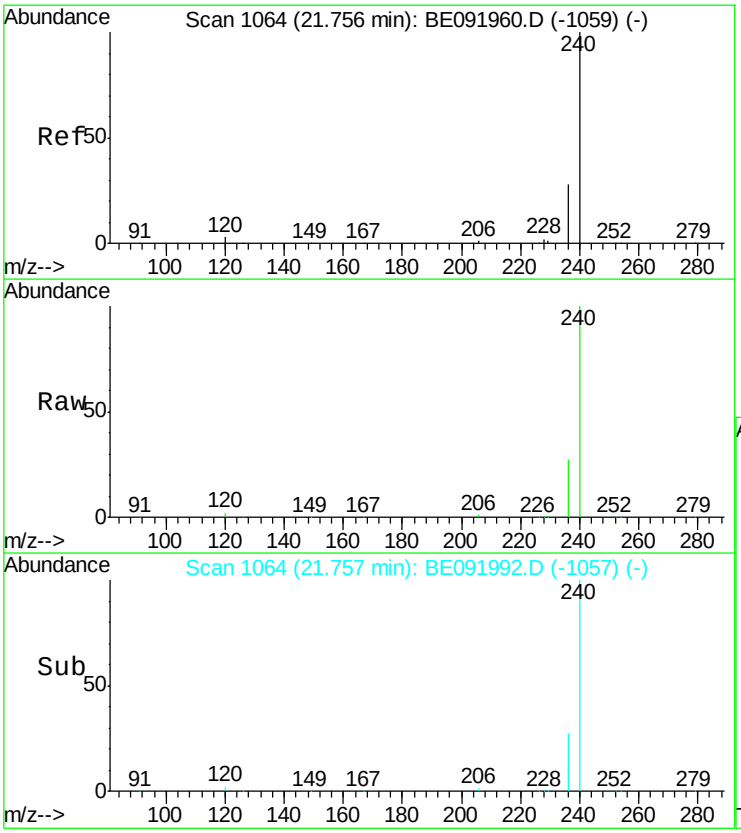
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:188 Resp: 153246

Ion	Ratio	Lower	Upper
188	100		
94	10.9	4.1	6.1#
80	10.7	3.4	5.2#

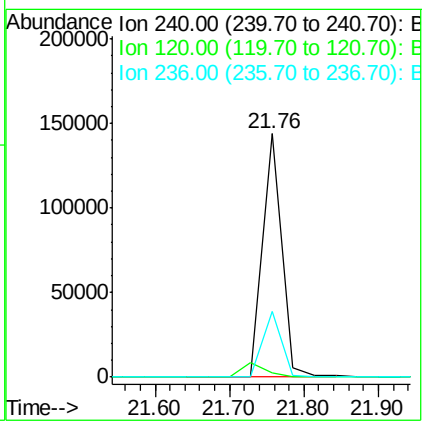


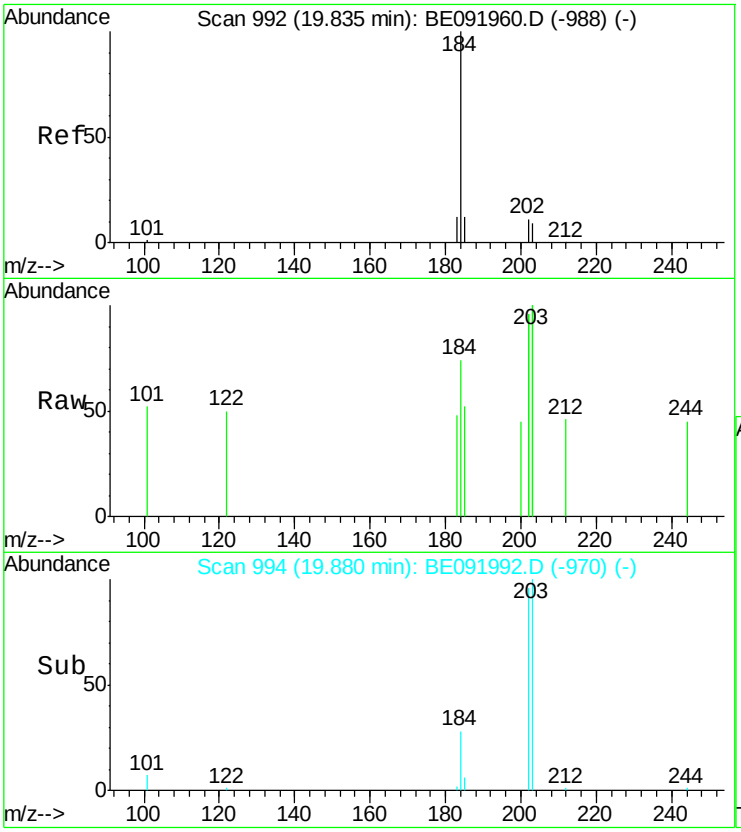


#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:240 Resp: 260304

Ion	Ratio	Lower	Upper
240	100		
120	1.6	1.2	1.8
236	27.0	19.8	29.8



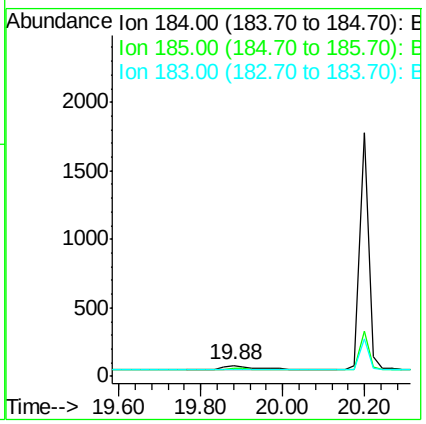


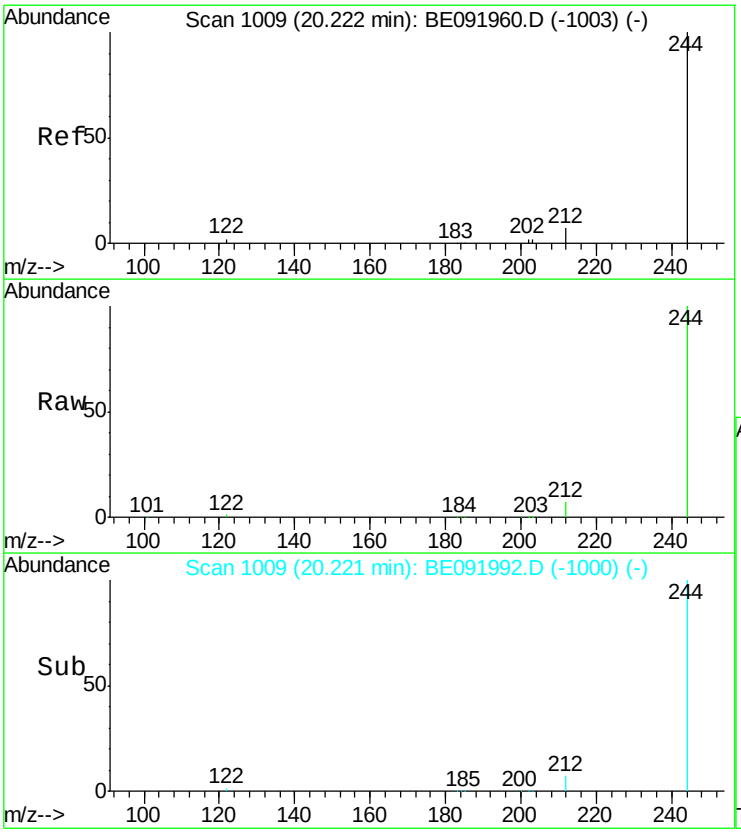
#32
Benzidine
Concen: 0.22 ng
RT: 19.88 min Scan# 994
Delta R.T. 0.05 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:184 Resp: 191

Ion	Ratio	Lower	Upper
184	100		
185	70.5	11.4	17.2#
183	64.1	11.8	17.6#

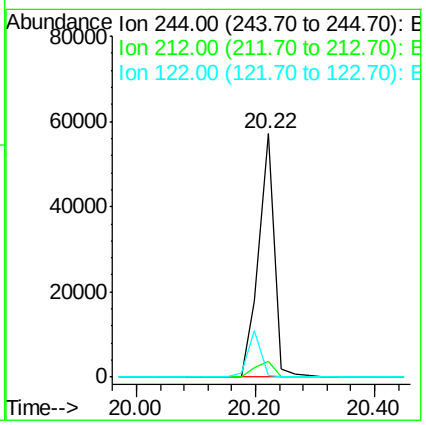


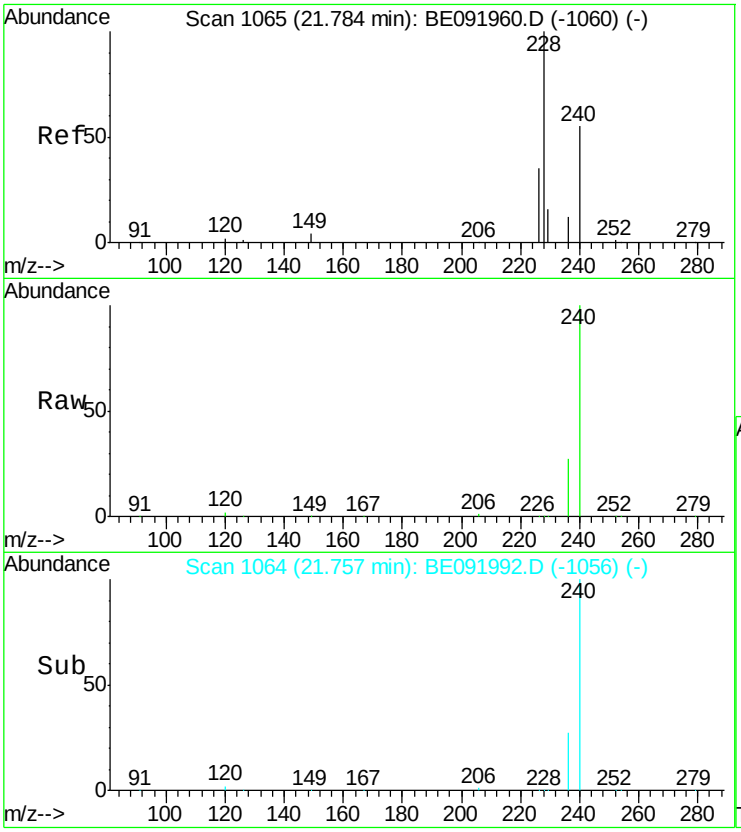


#34
Terphenyl-d14
Concen: 3.47 ng
RT: 20.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:244 Resp: 106424

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.5	9.7
122	0.8	2.9	4.3#



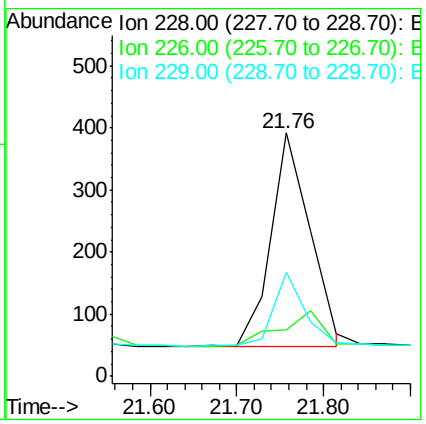


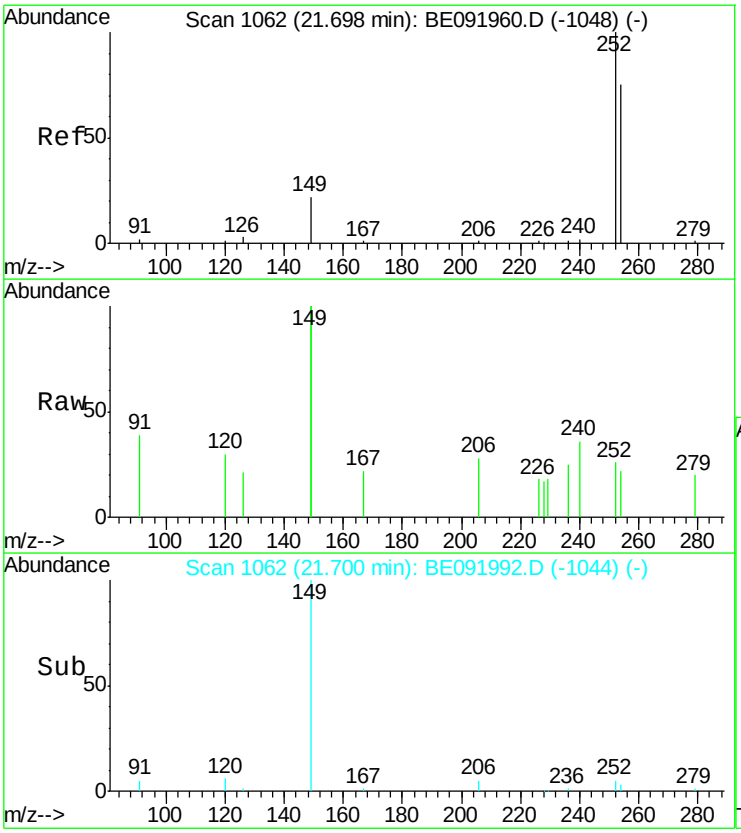
#35
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.03 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:228 Resp: 1084

Ion	Ratio	Lower	Upper
228	100		
226	19.1	21.0	31.4#
229	42.6	15.8	23.8#

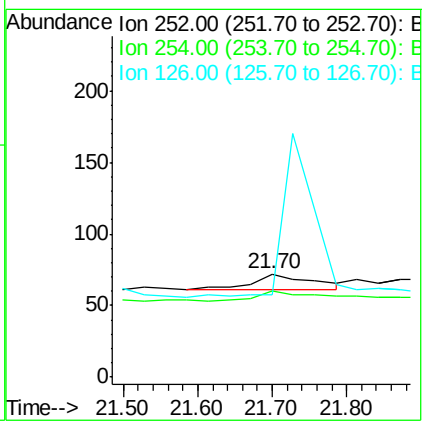


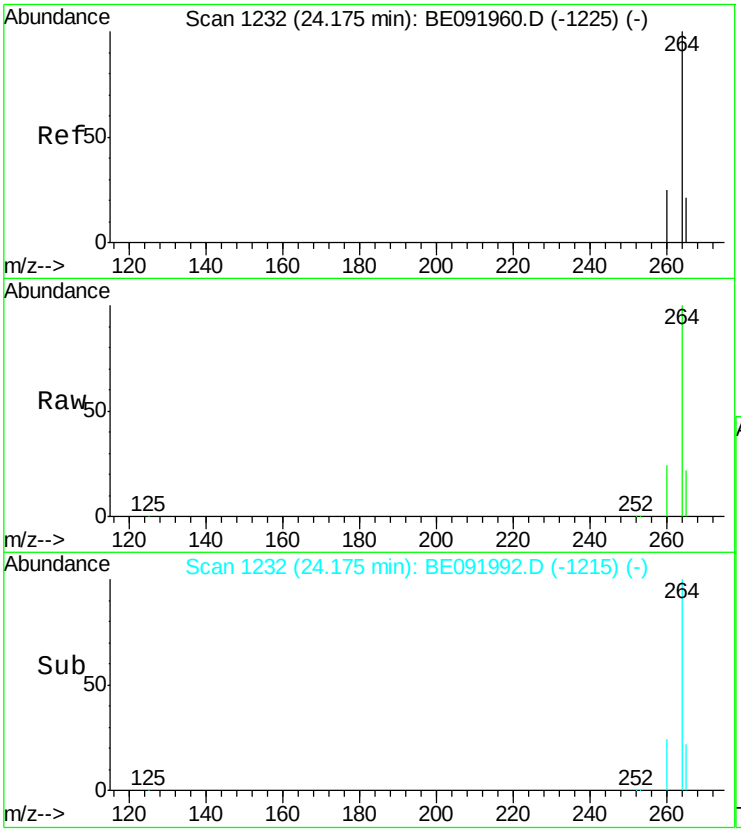


#36
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 21.70 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Tgt Ion:252 Resp: 64

Ion	Ratio	Lower	Upper
252	100		
254	83.3	61.5	92.3
126	80.6	2.5	3.7#





#40
Perylene-d12
Concen: 5.00 ng
RT: 24.18 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE091992.D
Acq: 9 Jul 2016 10:55

Instrument :
BNA_E
ClientSampleId :
PB91976BL

Tgt Ion:264 Resp: 189551

Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	22.3	17.6	26.4