Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
Data File : BF089350.D
Acq On : 28 Jul 2016 6:57
Operator : UM/SJ
Sample : H4157-23
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : I-20

Quant Time: Jul 28 07:28:18 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:12:17 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	43284	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	196149	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	65110	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	176811	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	95080	20.00	ng	0.00
86) Perylene-d12	15.01	264	10749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	366109	135.06	ng	0.03
7) Phenol-d6	6.20	99	404142	112.81	ng	0.00
23) Nitrobenzene-d5	7.12	82	346805	104.36	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	114871	213.02	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	619468	139.63	ng	0.00
78) Terphenyl-d14	12.63	244	531029	130.72	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	29834	22.78	ng	# 26
4) n-Nitrosodimethylamine	2.48	42	213	7.90	ng	# 1
9) Benzaldehyde	6.32	77	9468	5.41	ng	86
15) Benzyl Alcohol	6.70	79	5161	2.32	ng	# 50
19) n-Nitroso-di-n-propylamine	7.12	70	45247	20.95	ng	# 79
25) Isophorone	7.12	82	257105	38.41	ng	# 67
50) 2,6-Dinitrotoluene	9.56	165	7346	7.21	ng	# 24
56) 2,4-Dinitrotoluene	9.56	165	7346	5.48	ng	# 7
66) 4-Bromophenyl-phenylether	10.35	248	8060	4.77	ng	# 1
76) Benzidine	12.63	184	8400	2.39	ng	# 95

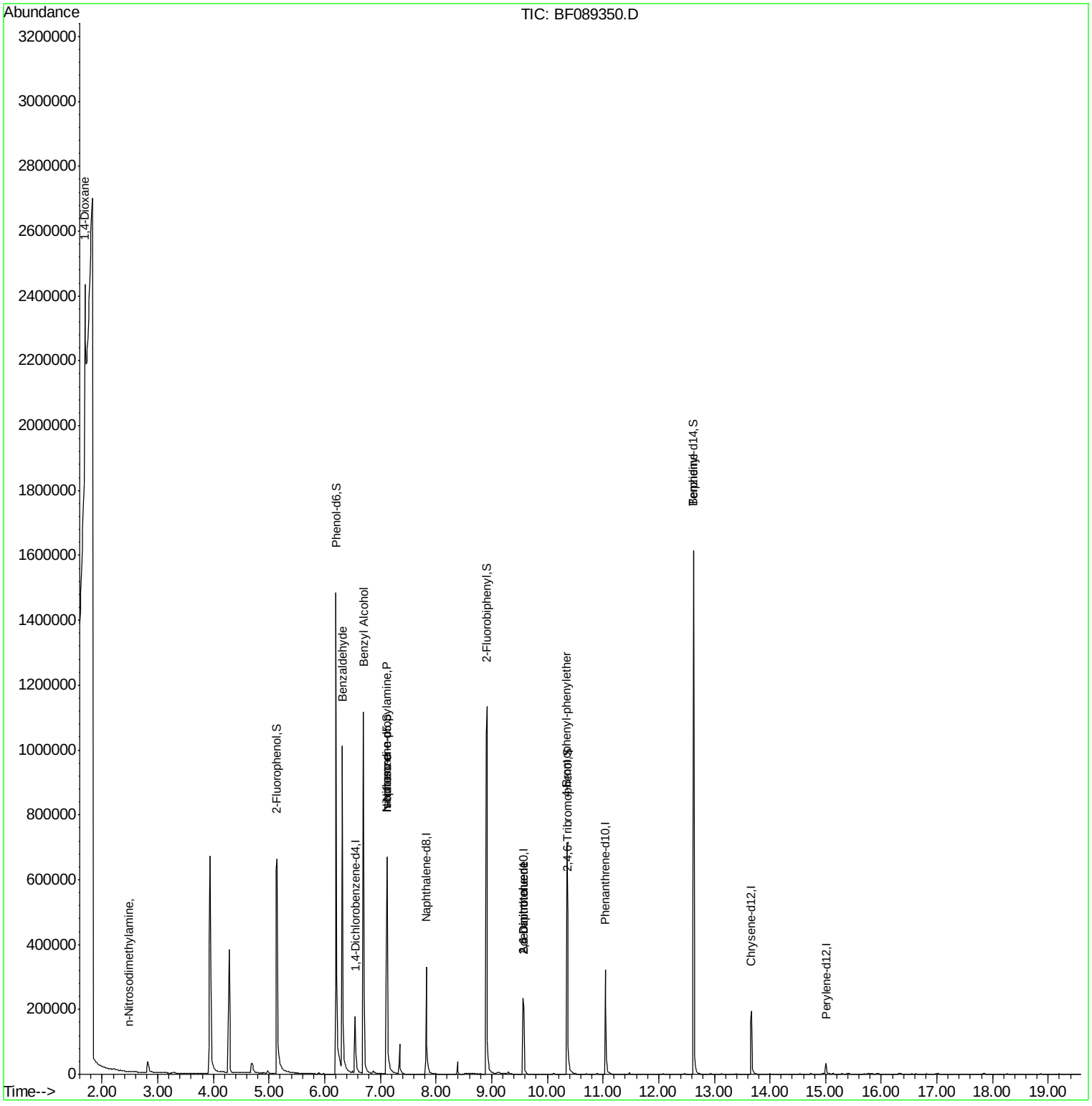
(#) = qualifier out of range (m) = manual integration (+) = signals summed

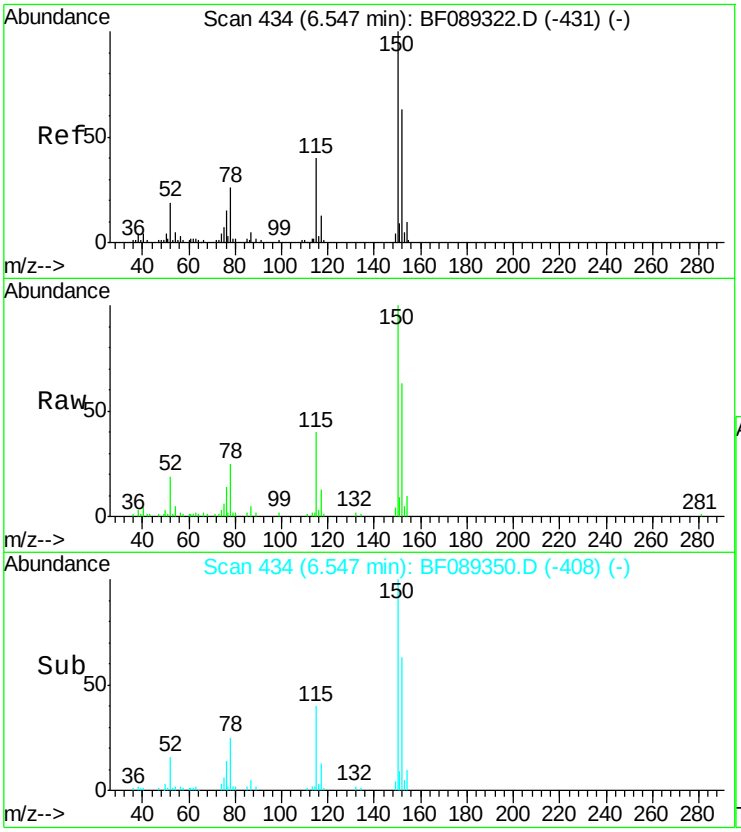
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
Data File : BF089350.D
Acq On : 28 Jul 2016 6:57
Operator : UM/SJ
Sample : H4157-23
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
I-20

Quant Time: Jul 28 07:28:18 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:12:17 2016
Response via : Initial Calibration



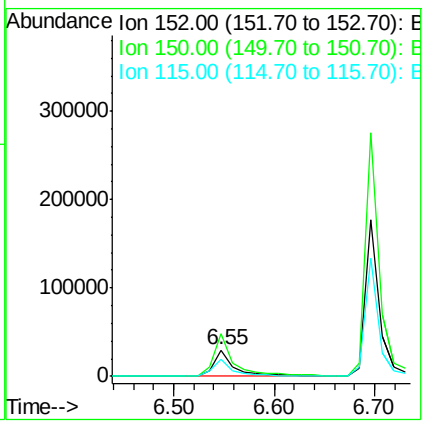


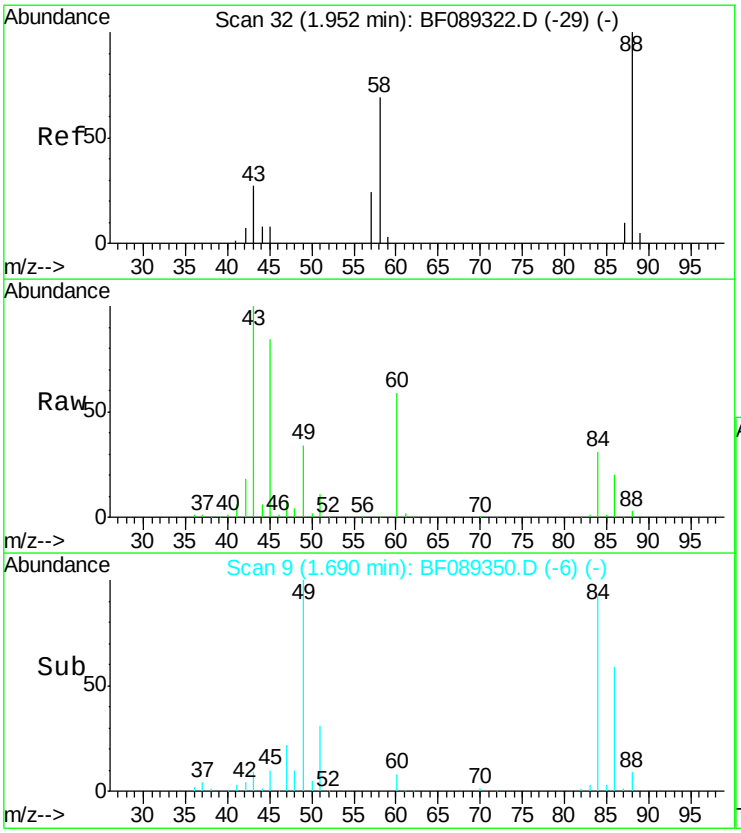
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:152 Resp: 43284

Ion	Ratio	Lower	Upper
152	100		
150	159.5	129.5	194.3
115	63.5	51.4	77.2

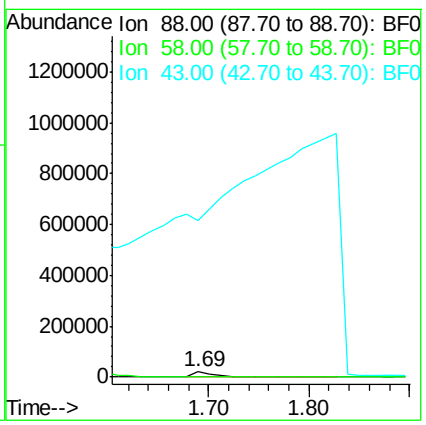


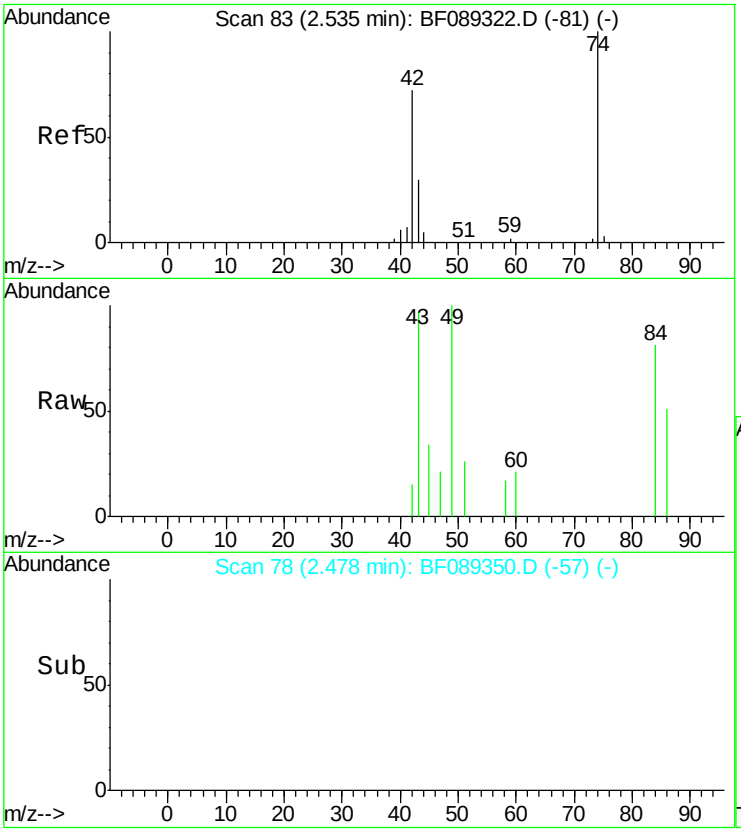


#2
1,4-Dioxane
Concen: 22.78 ng
RT: 1.69 min Scan# 9
Delta R.T. -0.26 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion: 88 Resp: 29834

Ion	Ratio	Lower	Upper
88	100		
58	0.0	53.2	79.8#
43	0.0	20.6	31.0#



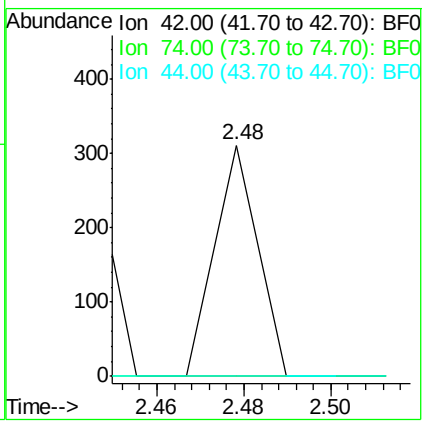


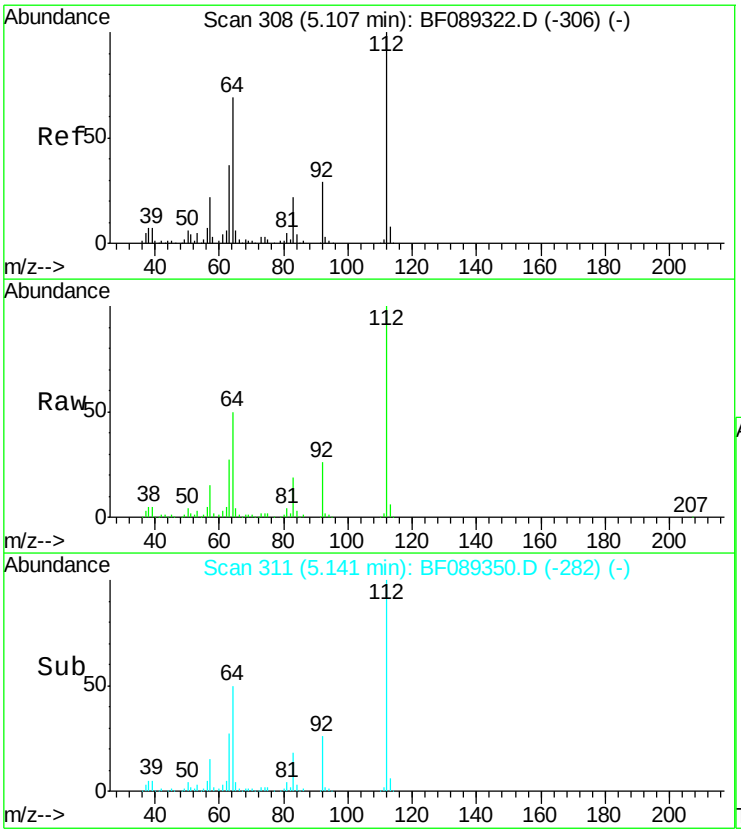
#4
n-Nitrosodimethylamine
Concen: 7.90 ng
RT: 2.48 min Scan# 78
Delta R.T. -0.06 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion: 42 Resp: 213

Ion	Ratio	Lower	Upper
42	100		
74	0.0	110.8	166.2#
44	0.0	5.2	7.8#

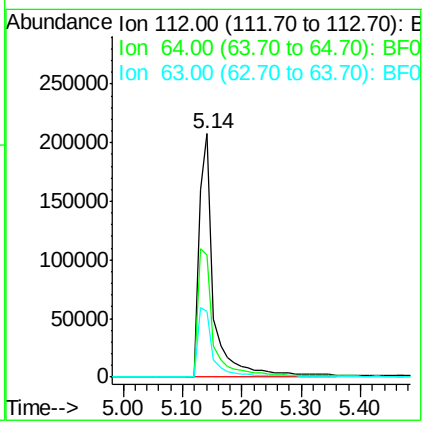


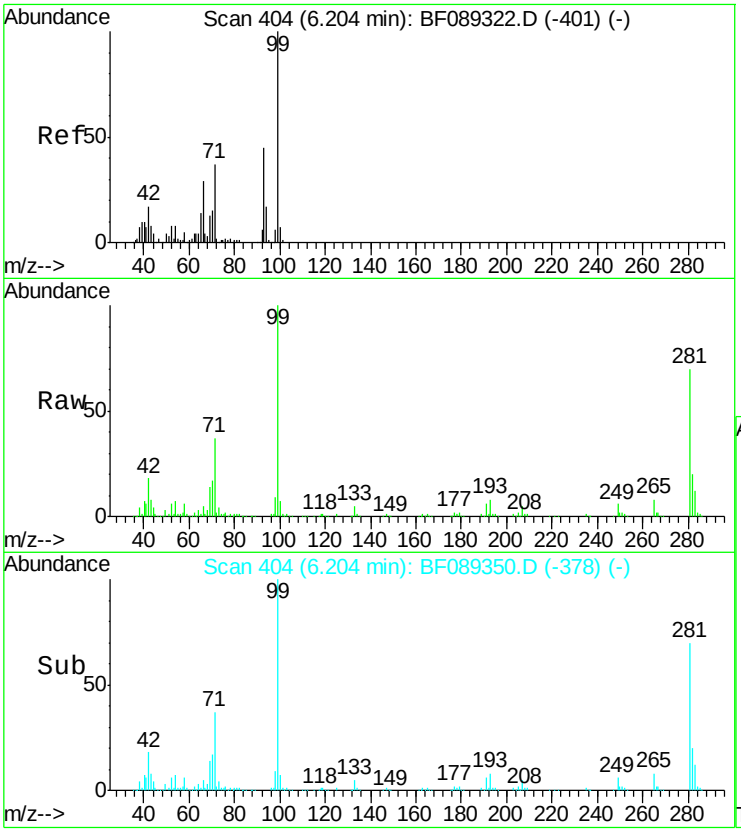


#5
2-Fluorophenol
Concen: 135.06 ng
RT: 5.14 min Scan# 311
Delta R.T. 0.03 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:112 Resp: 366109

Ion	Ratio	Lower	Upper
112	100		
64	50.0	55.0	82.6#
63	26.9	29.4	44.2#



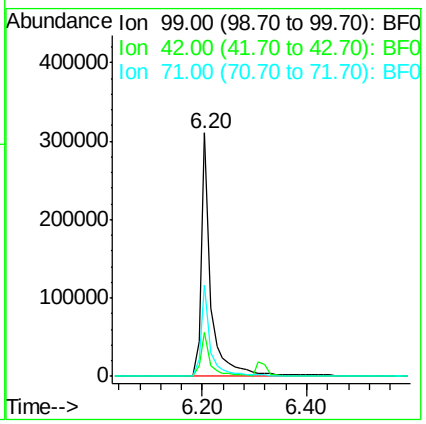


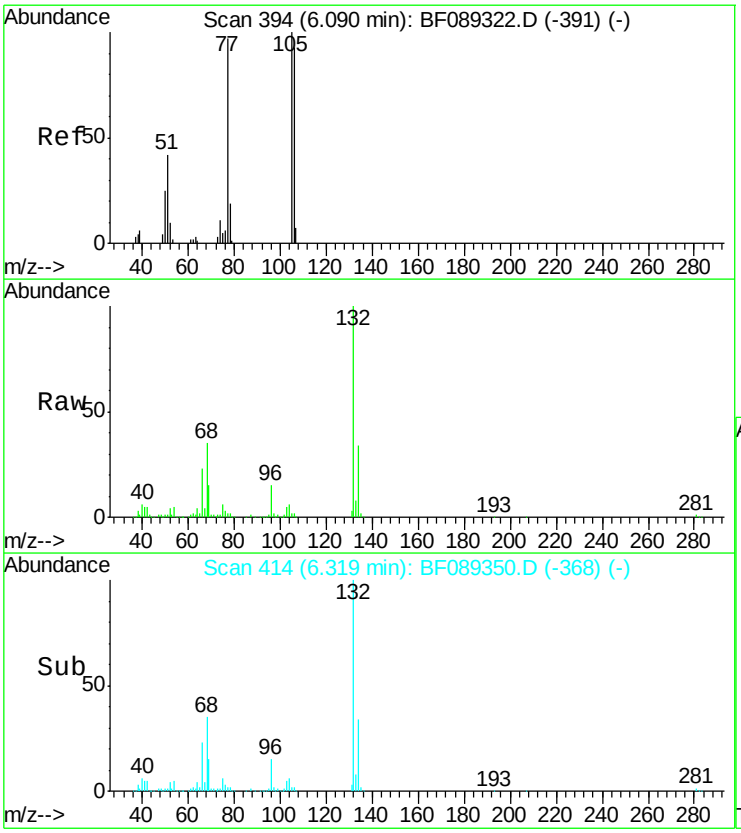
#7
Phenol-d6
Concen: 112.81 ng
RT: 6.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion: 99 Resp: 404142

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.6	20.4
71	37.4	29.4	44.2

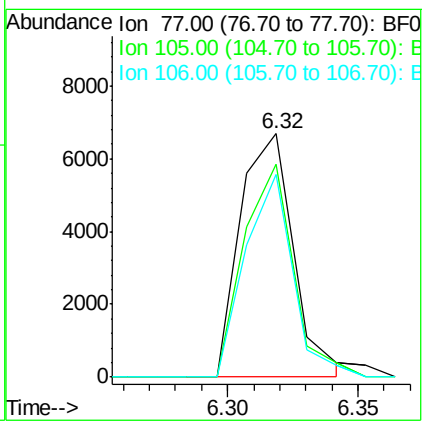


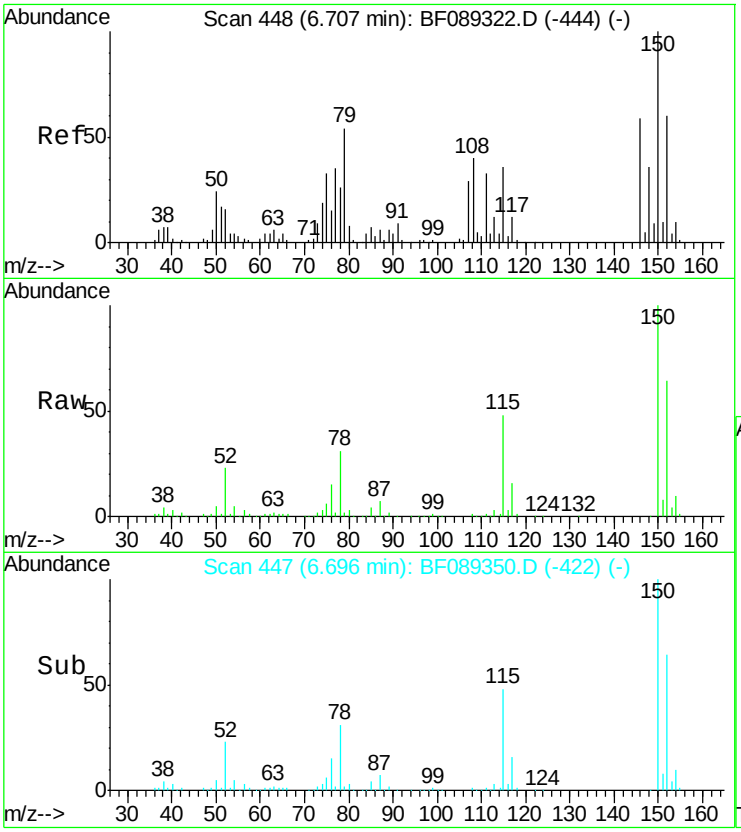


#9
Benzaldehyde
Concen: 5.41 ng
RT: 6.32 min Scan# 414
Delta R.T. 0.23 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion: 77 Resp: 9468

Ion	Ratio	Lower	Upper
77	100		
105	87.5	82.9	122.9
106	83.3	75.9	115.9



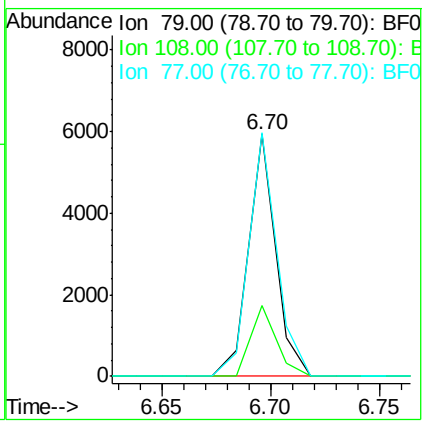


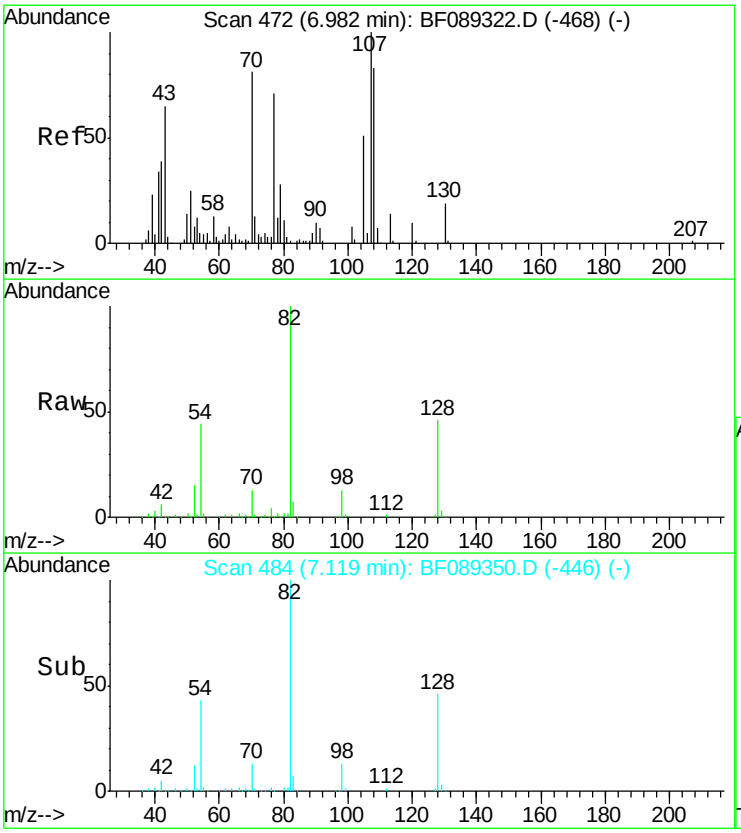
#15
Benzyl Alcohol
Concen: 2.32 ng
RT: 6.70 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion: 79 Resp: 5161

Ion	Ratio	Lower	Upper
79	100		
108	29.4	59.8	89.6#
77	100.5	51.7	77.5#

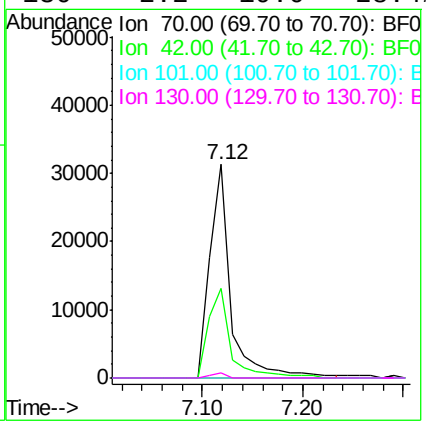


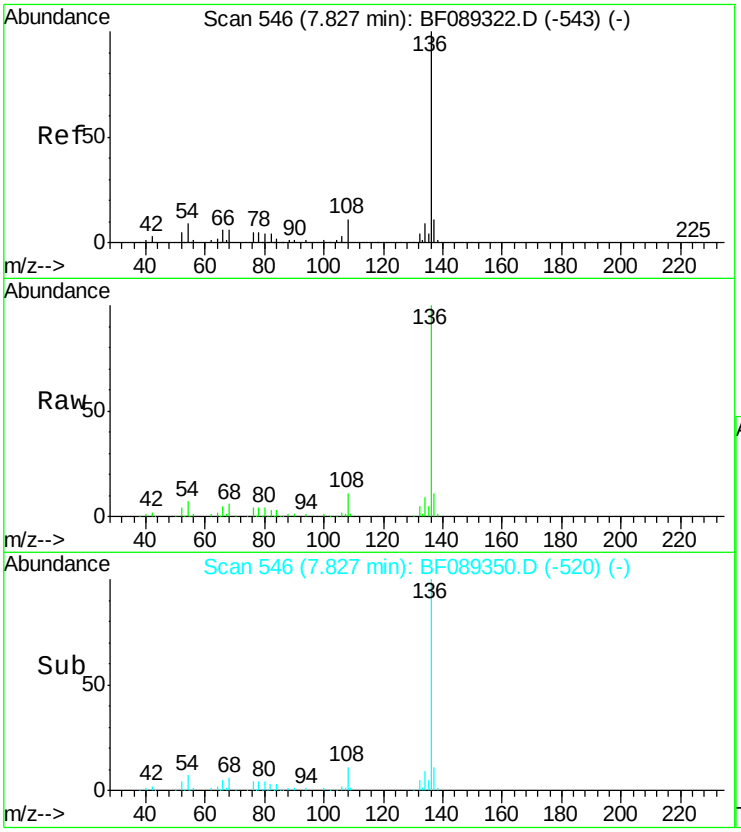


#19
n-Nitroso-di-n-propylamine
Concen: 20.95 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.14 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion: 70 Resp: 45247

Ion	Ratio	Lower	Upper
70	100		
42	42.1	38.6	57.8
101	0.0	8.3	12.5#
130	2.2	19.0	28.4#



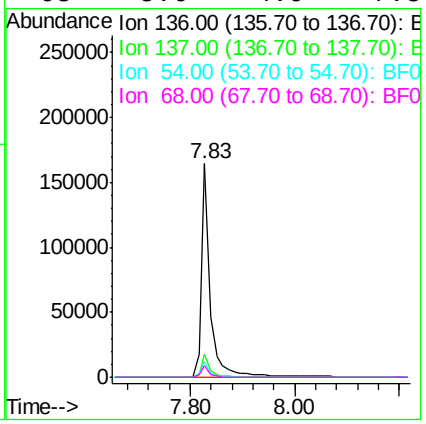


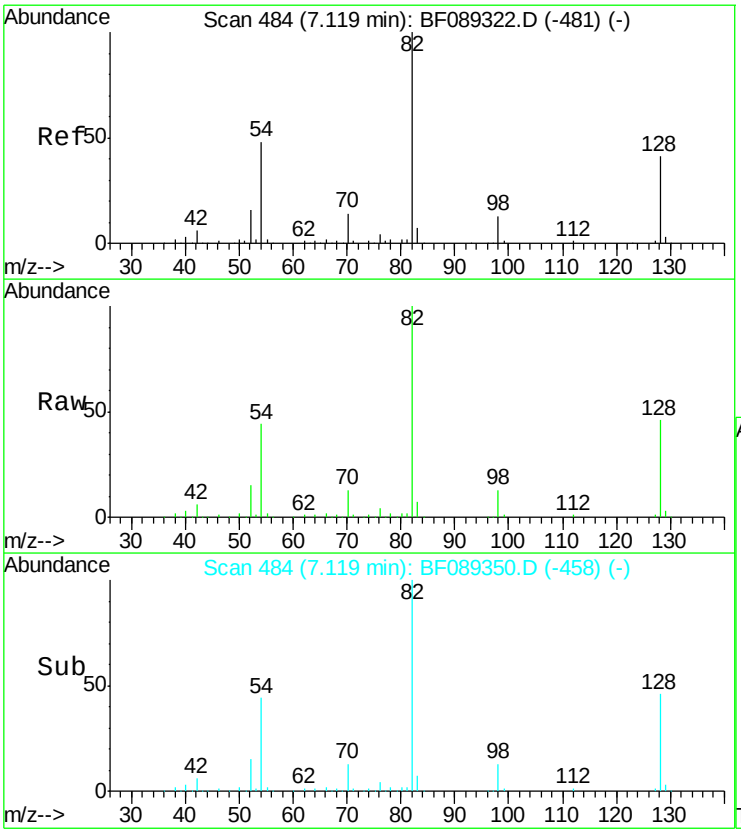
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:136 Resp: 196149

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.2	7.0	10.4
68	5.6	4.9	7.3

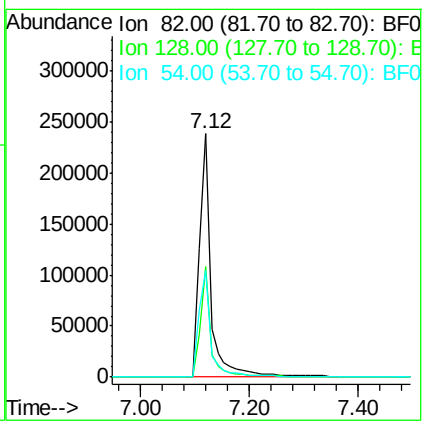


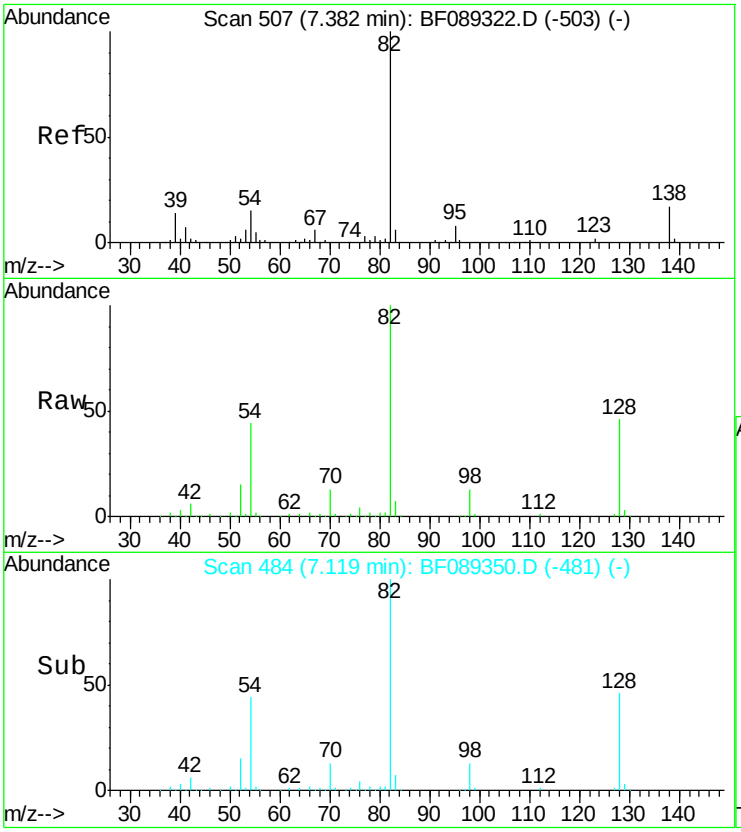


#23
Nitrobenzene-d5
Concen: 104.36 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion: 82 Resp: 346805

Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.5	48.7
54	43.8	38.8	58.2



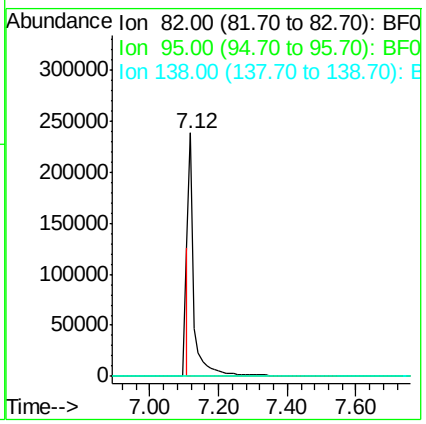


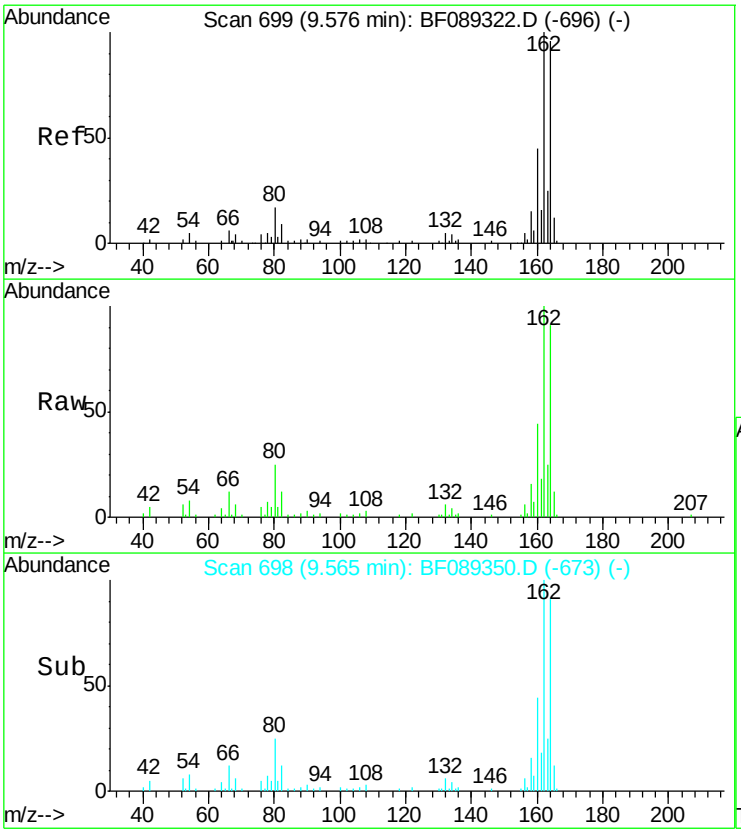
#25
Isophorone
Concen: 38.41 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.26 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion: 82 Resp: 257105

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	13.3	19.9#

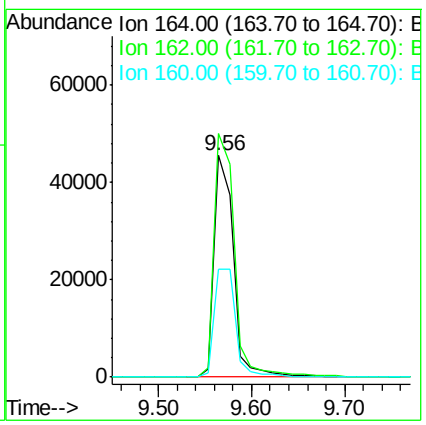


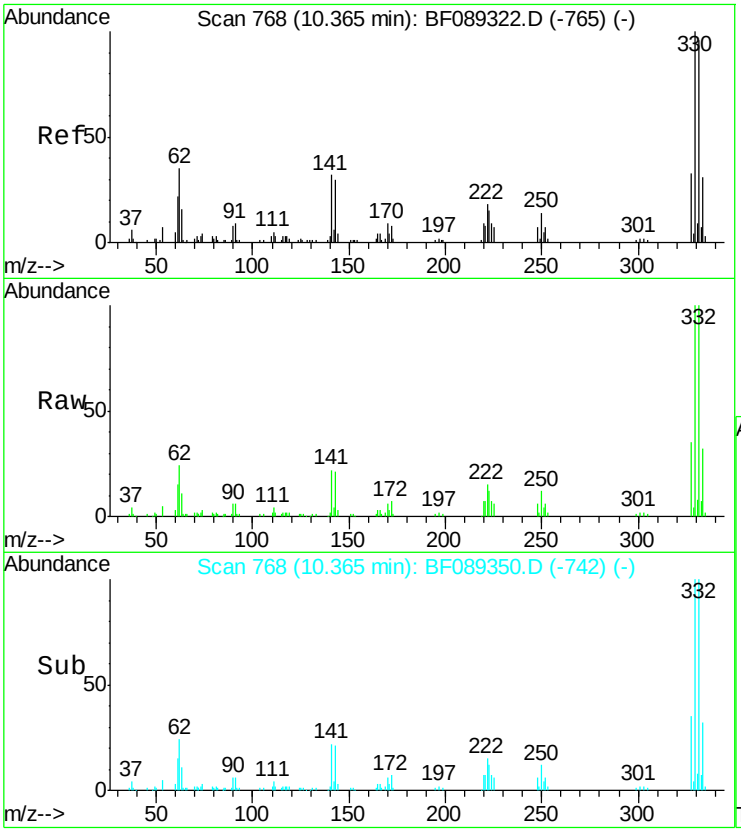


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:164 Resp: 65110

Ion	Ratio	Lower	Upper
164	100		
162	109.9	83.7	125.5
160	48.6	37.8	56.6



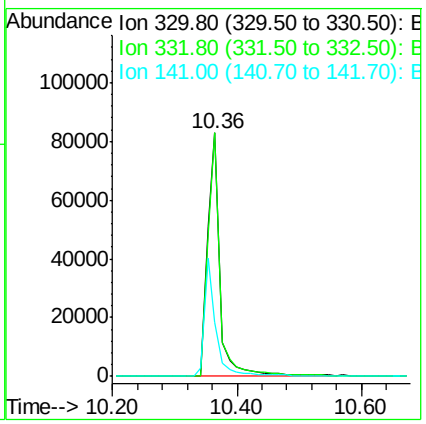


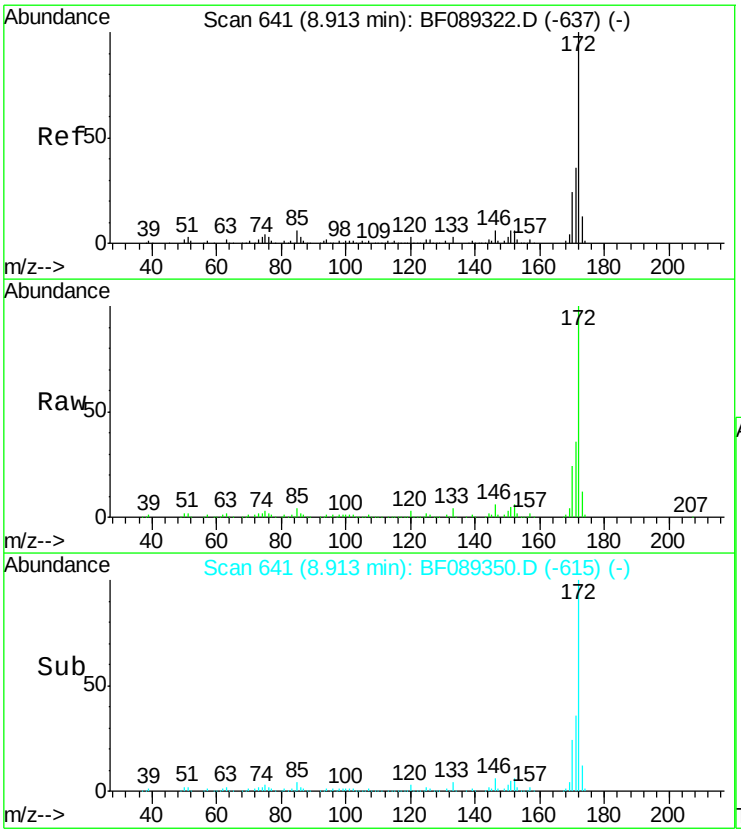
#41
2,4,6-Tribromophenol
Concen: 213.02 ng
RT: 10.36 min Scan# 768
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:330 Resp: 114871

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.8	115.2
141	44.2	37.3	55.9

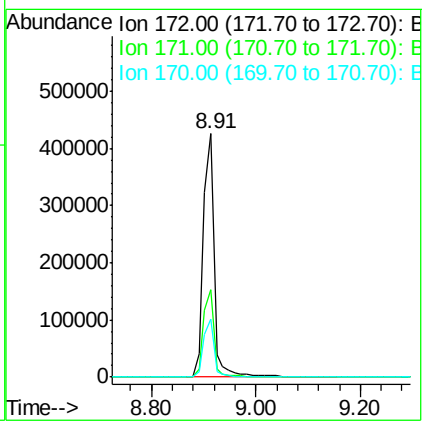


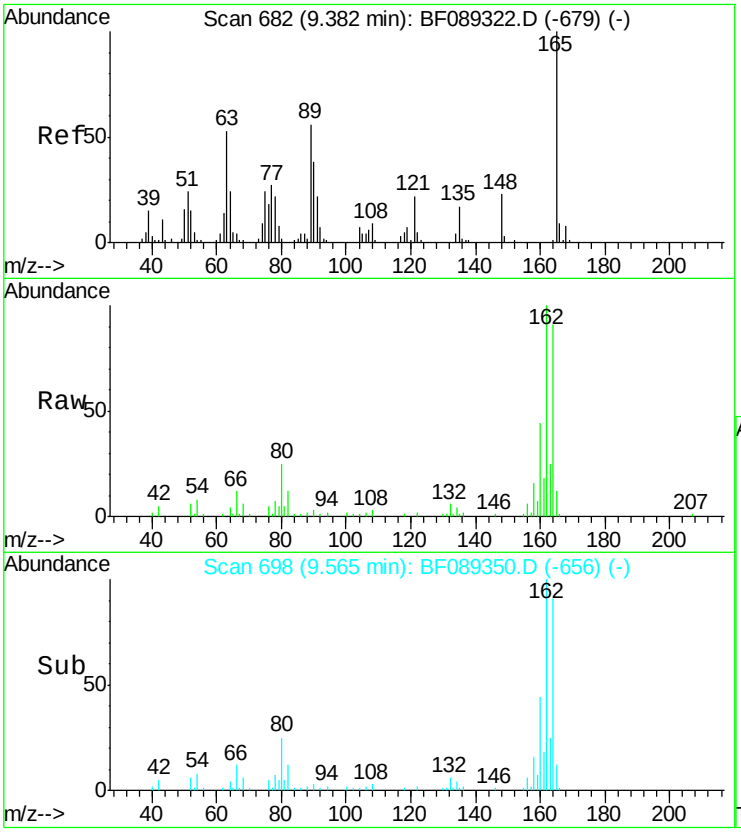


#44
2-Fluorobiphenyl
Concen: 139.63 ng
RT: 8.91 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:172 Resp: 619468

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	23.6	19.2	28.8



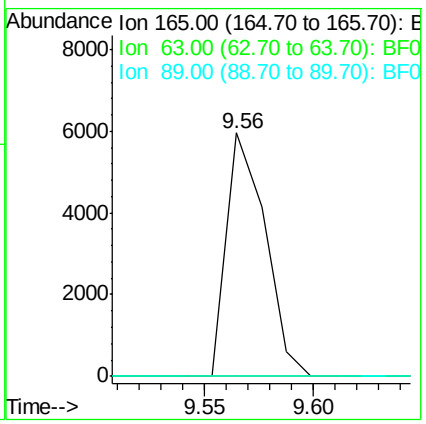


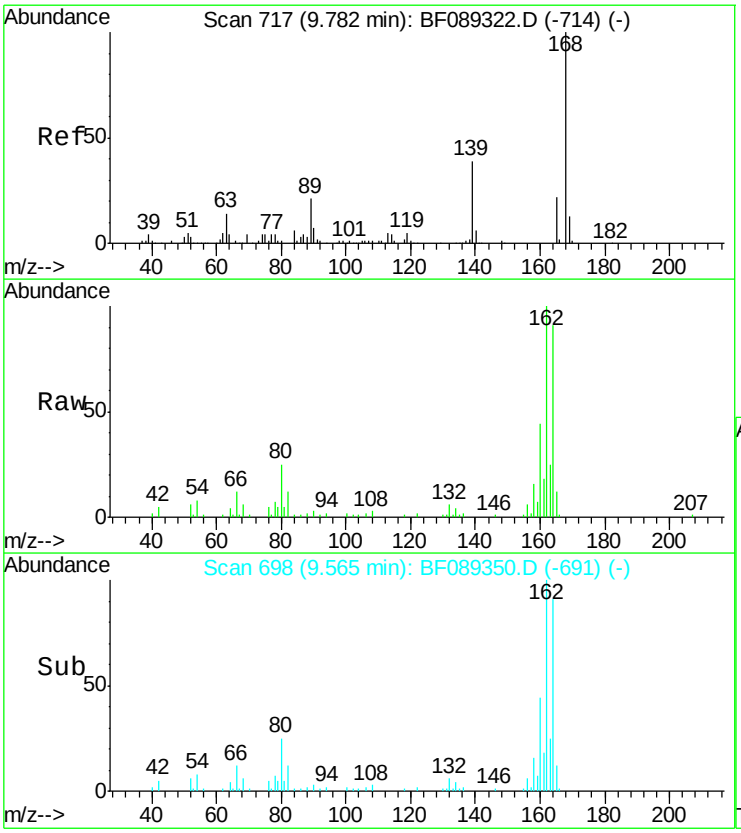
#50
2,6-Dinitrotoluene
Concen: 7.21 ng
RT: 9.56 min Scan# 698
Delta R.T. 0.18 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:165 Resp: 7346

Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#

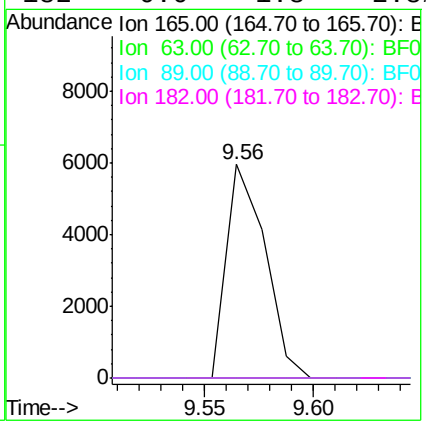


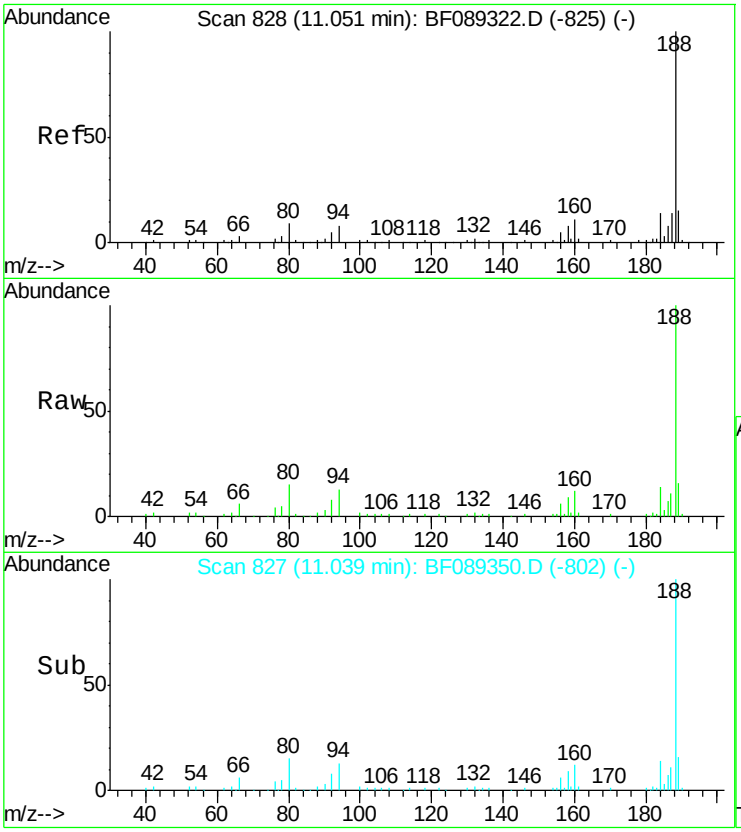


#56
2,4-Dinitrotoluene
Concen: 5.48 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.22 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:165 Resp: 7346

Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#



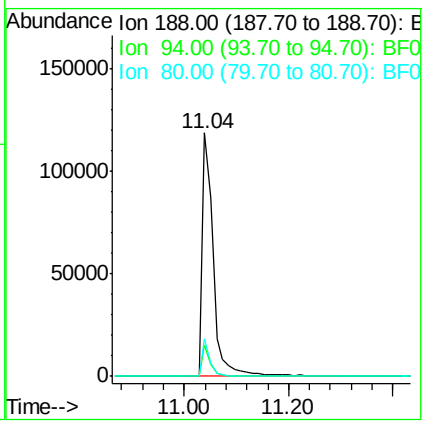


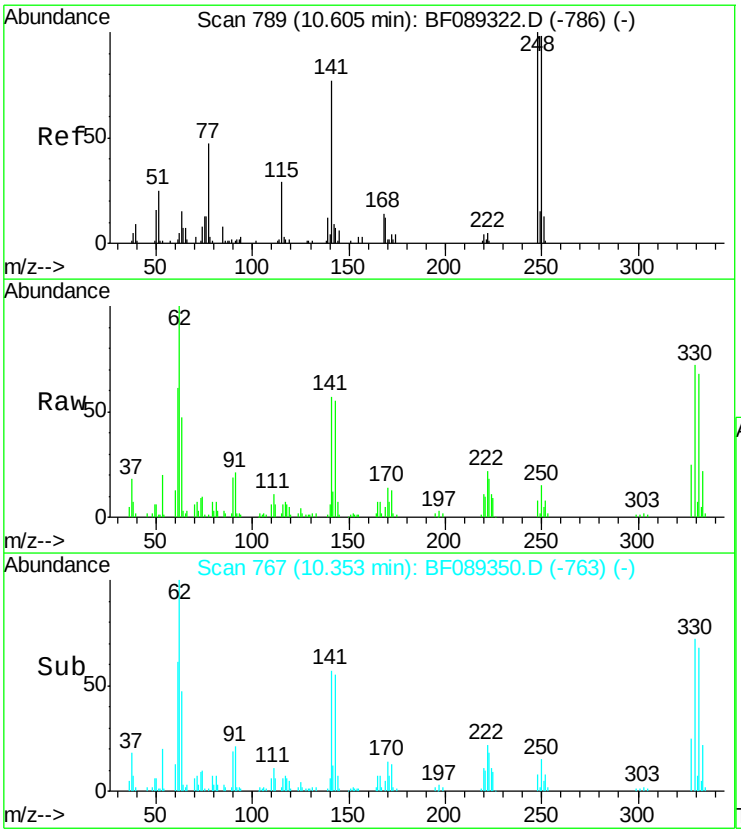
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:188 Resp: 176811

Ion	Ratio	Lower	Upper
188	100		
94	12.8	6.5	9.7#
80	15.2	7.2	10.8#

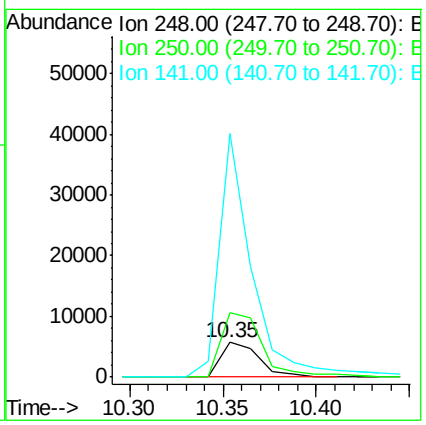


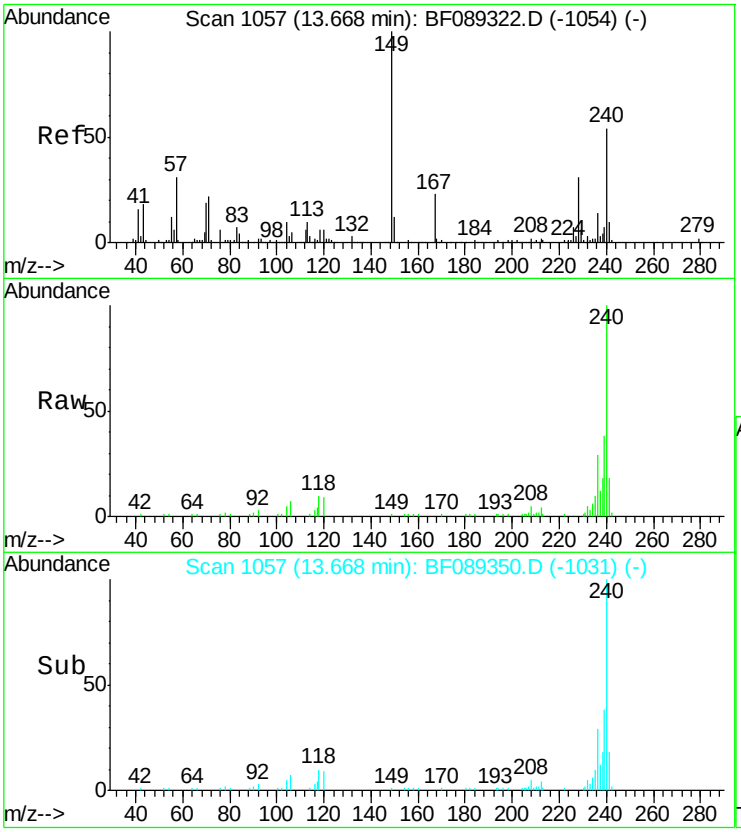


#66
4-Bromophenyl-phenylether
Concen: 4.77 ng
RT: 10.35 min Scan# 767
Delta R.T. -0.25 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:248 Resp: 8060

Ion	Ratio	Lower	Upper
248	100		
250	185.0	78.2	117.2#
141	702.4	62.0	93.0#



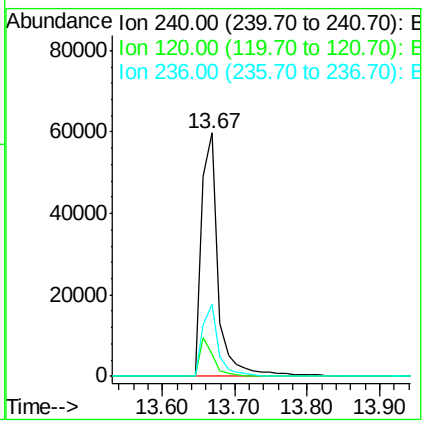


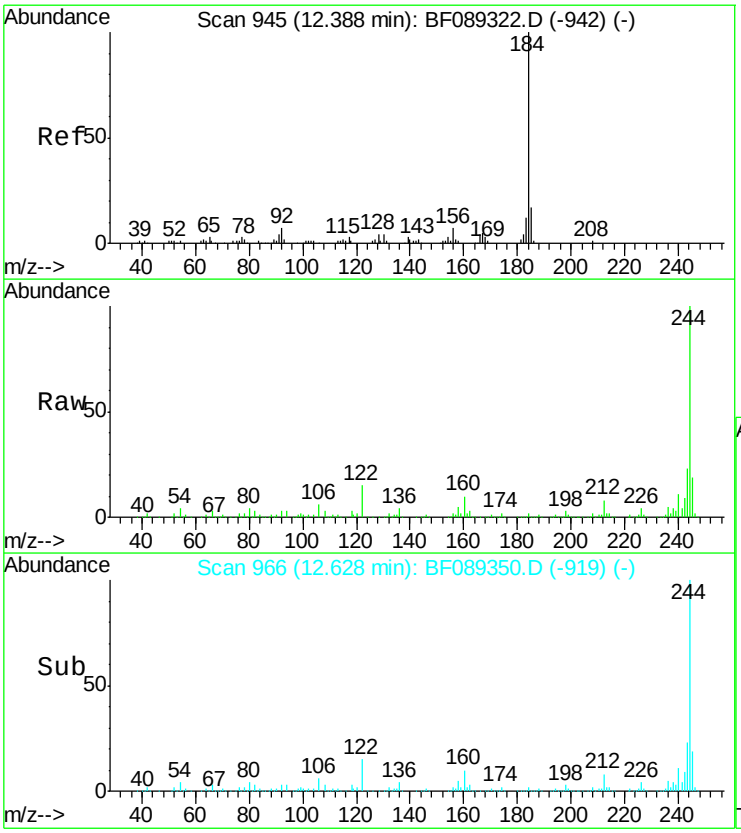
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:240 Resp: 95080

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.1	13.7
236	29.4	20.6	30.8

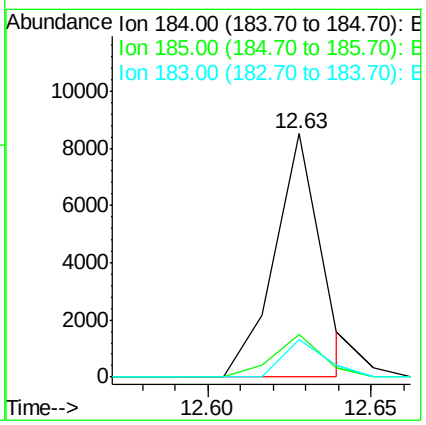


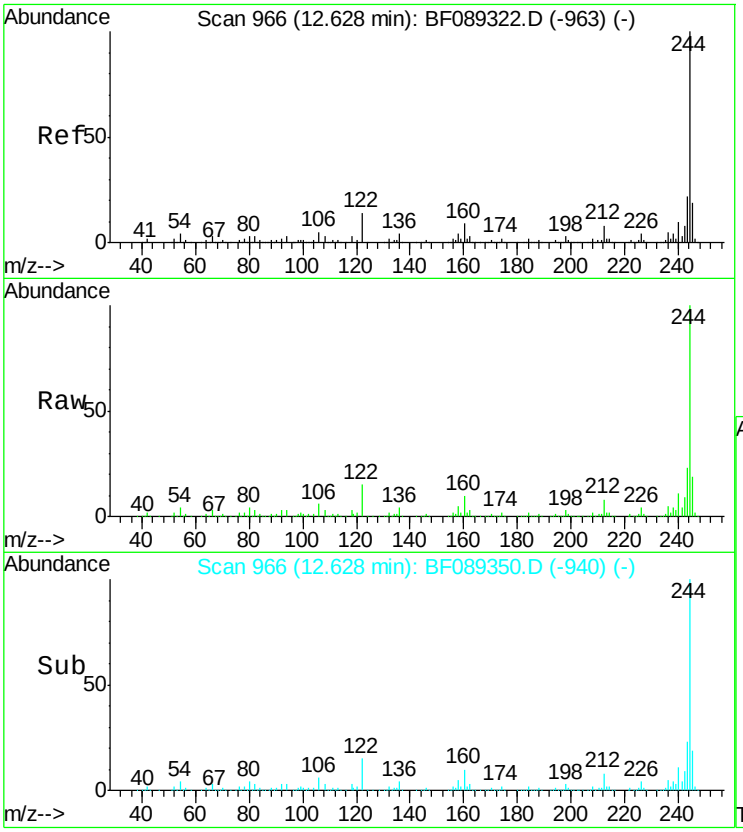


#76
Benzidine
Concen: 2.39 ng
RT: 12.63 min Scan# 966
Delta R.T. 0.24 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:184 Resp: 8400

Ion	Ratio	Lower	Upper
184	100		
185	17.5	13.5	20.3
183	15.6	9.8	14.6#



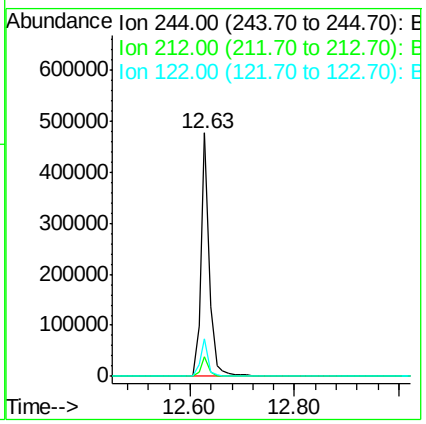


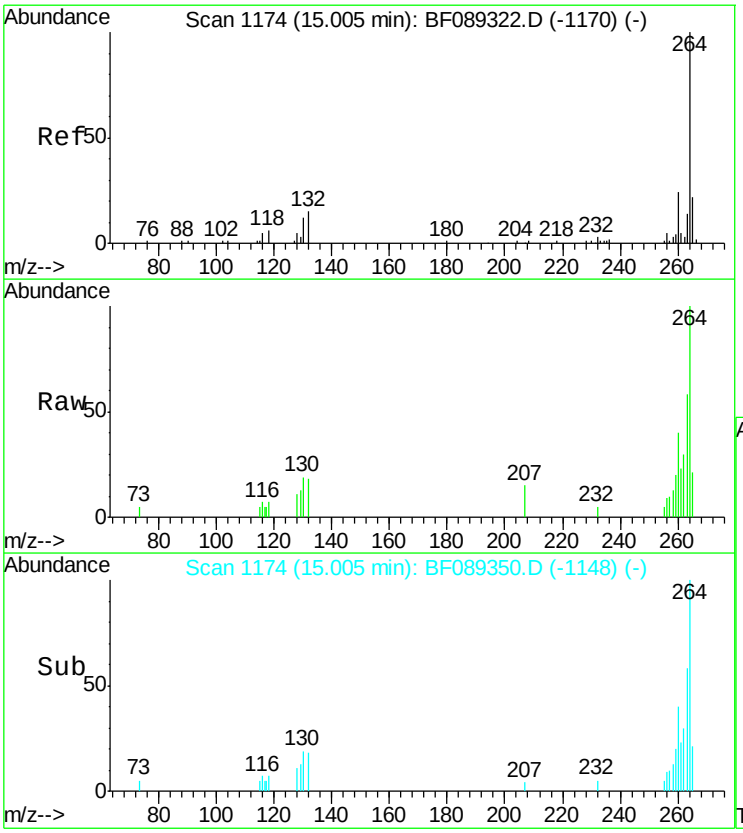
#78
Terphenyl-d14
Concen: 130.72 ng
RT: 12.63 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Instrument :
BNA_F
ClientSampleId :
I-20

Tgt Ion:244 Resp: 531029

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	15.3	11.4	17.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:264 Resp: 10749

Ion	Ratio	Lower	Upper
264	100		
260	40.3	19.0	28.4#
265	21.4	17.5	26.3