Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089431.D
Acq On : 30 Jul 2016 2:11
Operator : UM/SJ
Sample : H4221-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-45-7.8-13.0

Quant Time: Jul 30 03:08:31 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 30 01:00:15 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	42645	20.00	ng	0.00
21) Naphthalene-d8	7.80	136	165641	20.00	ng	0.00
38) Acenaphthene-d10	9.54	164	75615	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	107347	20.00	ng	0.00
75) Chrysene-d12	13.63	240	82700	20.00	ng	0.00
86) Perylene-d12	14.96	264	92443	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	141683	53.05	ng	0.00
7) Phenol-d6	6.17	99	129461	36.68	ng	-0.01
23) Nitrobenzene-d5	7.08	82	263380	93.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	62642	100.03	ng	0.00
44) 2-Fluorobiphenyl	8.88	172	449443	87.23	ng	0.00
78) Terphenyl-d14	12.59	244	275951	78.10	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	58100	48.79	ng	# 26
9) Benzaldehyde	6.28	77	6307	3.66	ng	87
19) n-Nitroso-di-n-propylamine	7.08	70	33502	15.74	ng	# 83
50) 2,6-Dinitrotoluene	9.54	165	9050	7.65	ng	# 24
56) 2,4-Dinitrotoluene	9.54	165	9050	5.81	ng	# 7
66) 4-Bromophenyl-phenylether	10.33	248	4613	4.50	ng	# 1

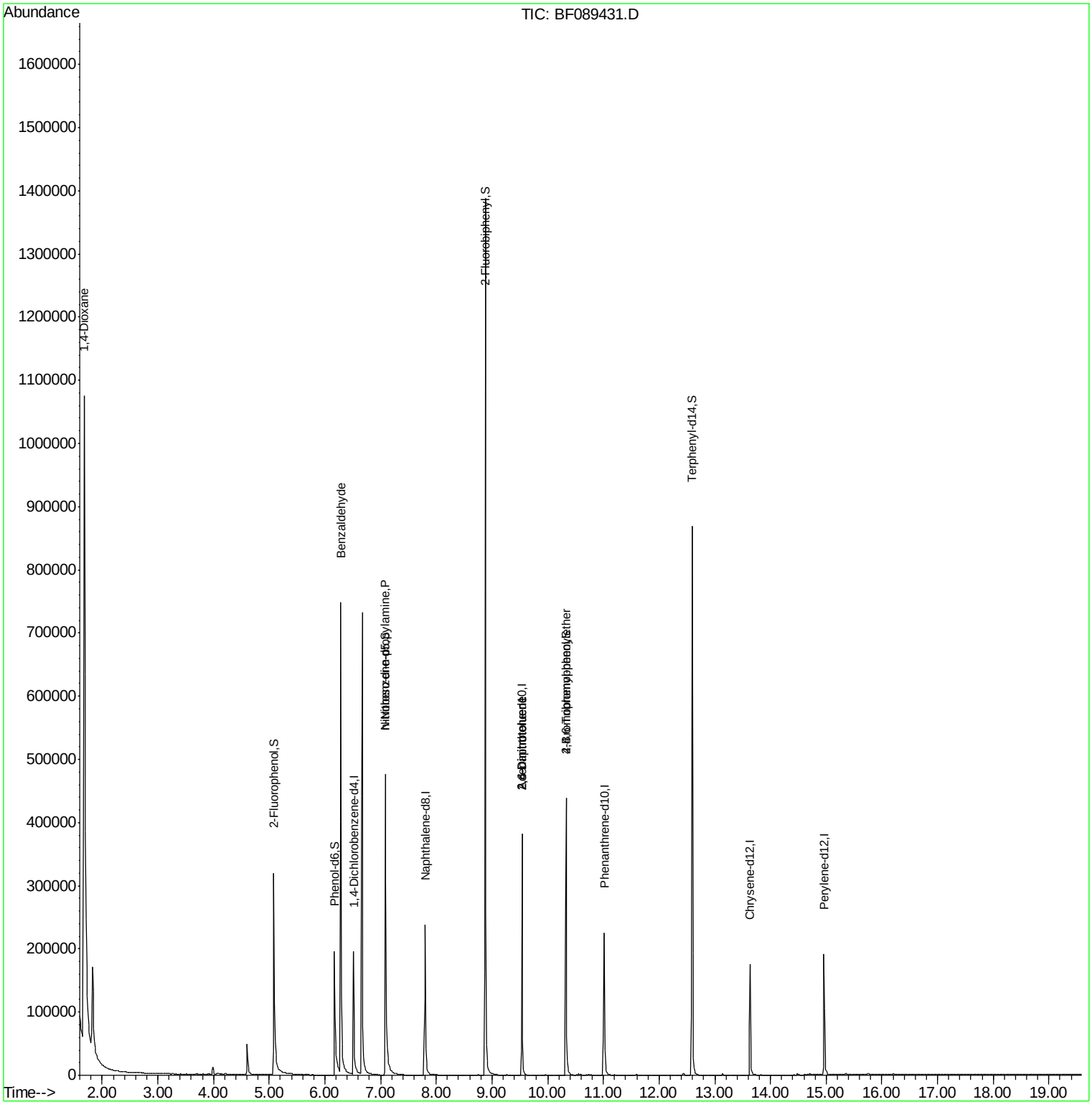
(#) = qualifier out of range (m) = manual integration (+) = signals summed

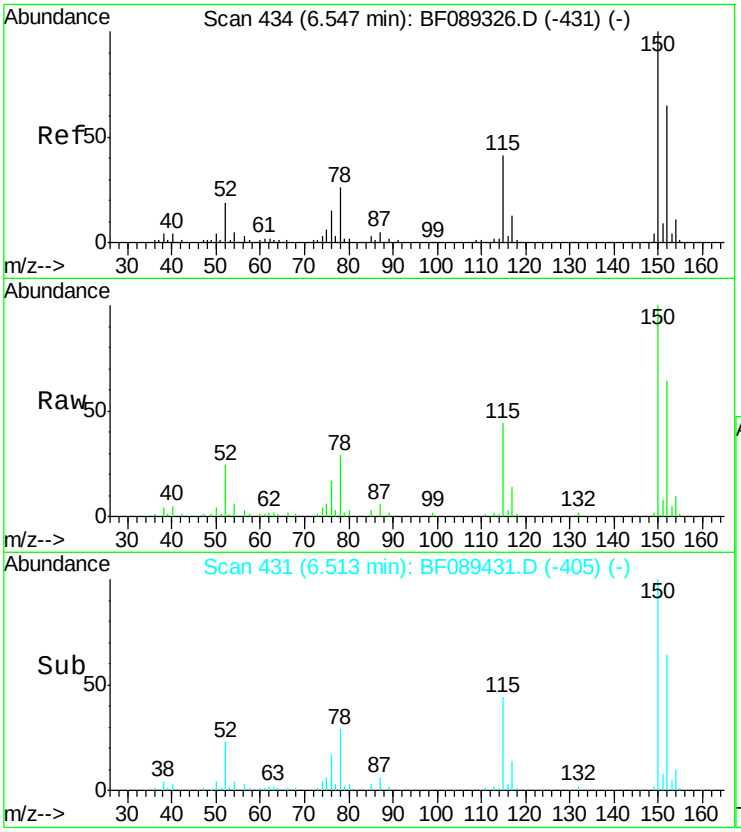
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089431.D
Acq On : 30 Jul 2016 2:11
Operator : UM/SJ
Sample : H4221-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Quant Time: Jul 30 03:08:31 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 30 01:00:15 2016
Response via : Initial Calibration



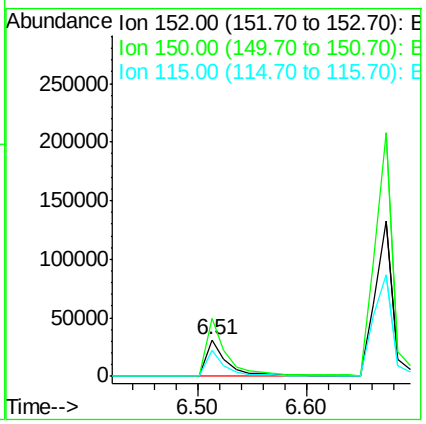


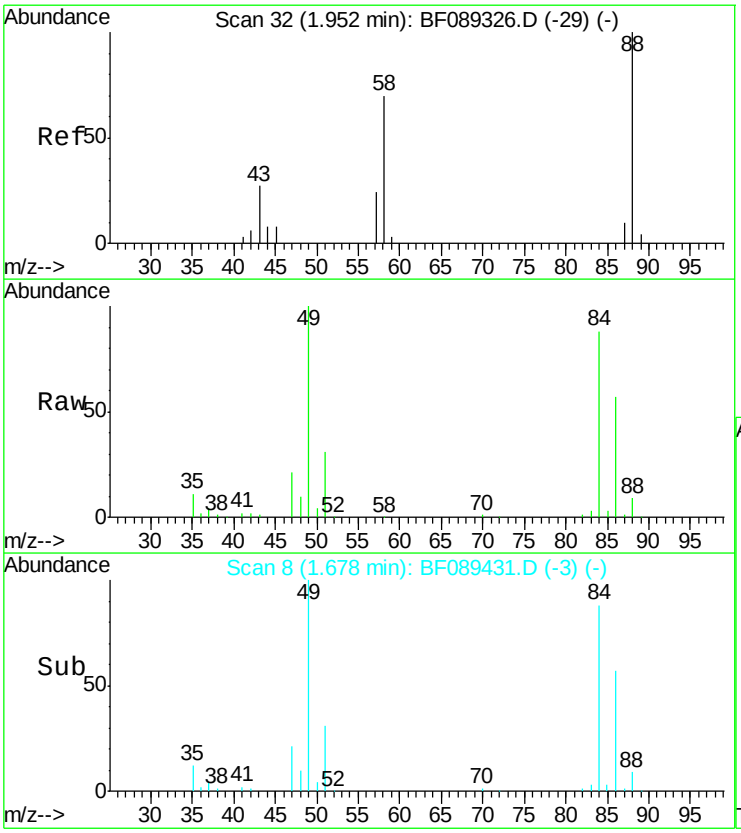
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:152 Resp: 42645

Ion	Ratio	Lower	Upper
152	100		
150	157.5	129.5	194.3
115	69.4	51.4	77.2

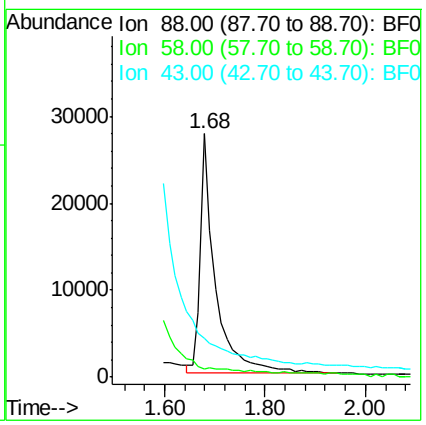


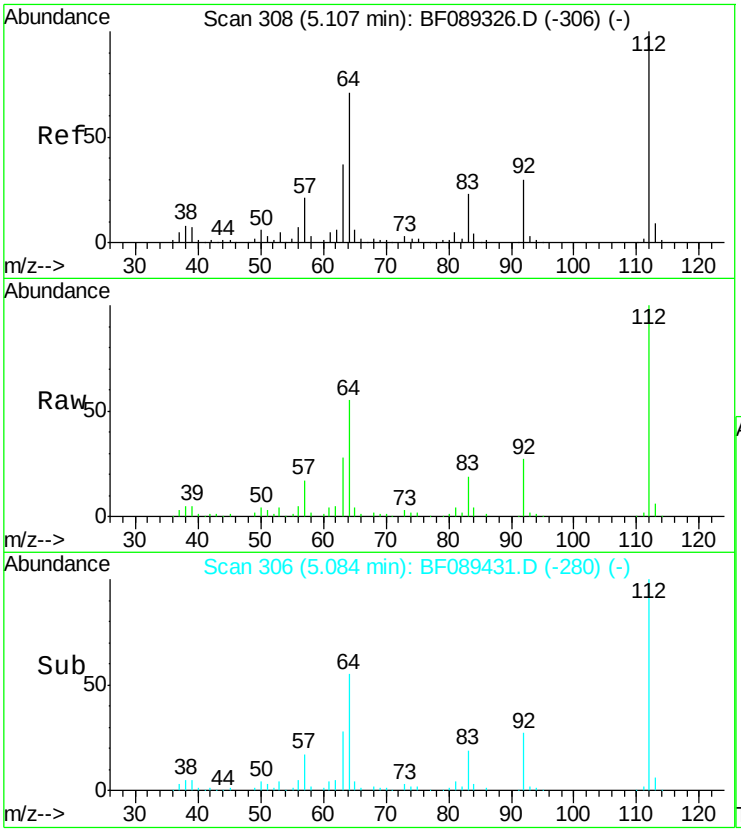


#2
1,4-Dioxane
Concen: 48.79 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.24 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion: 88 Resp: 58100

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



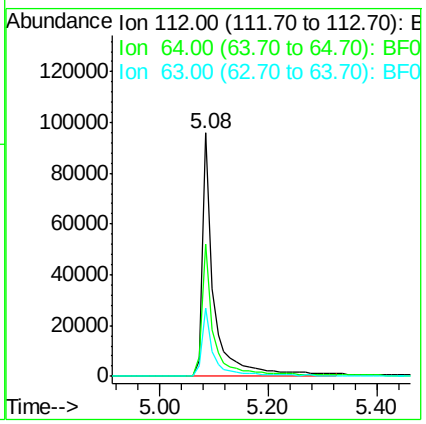


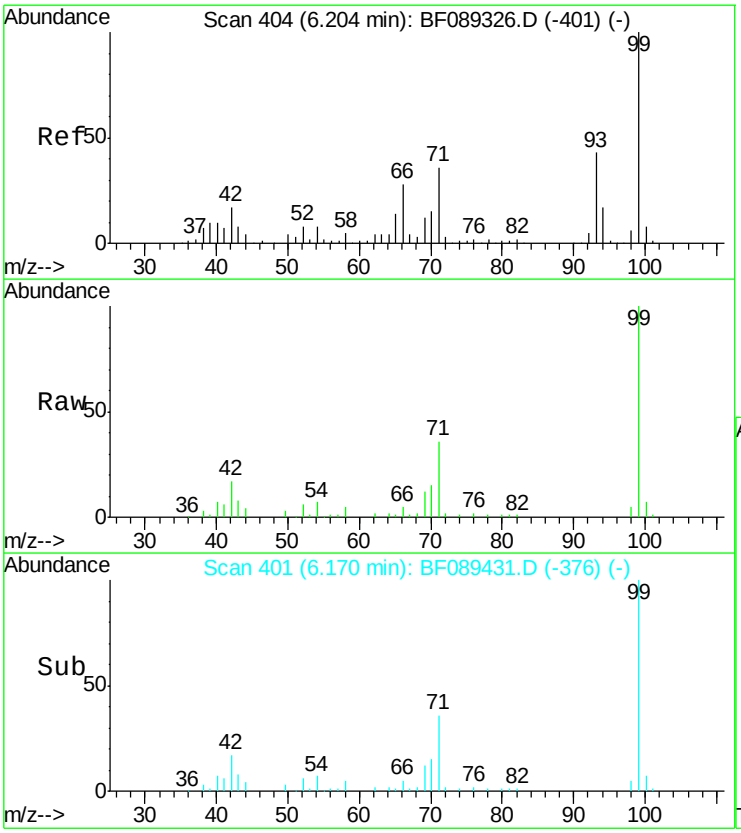
#5
2-Fluorophenol
Concen: 53.05 ng
RT: 5.08 min Scan# 306
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:112 Resp: 141683

Ion	Ratio	Lower	Upper
112	100		
64	54.6	55.0	82.6#
63	28.0	29.4	44.2#

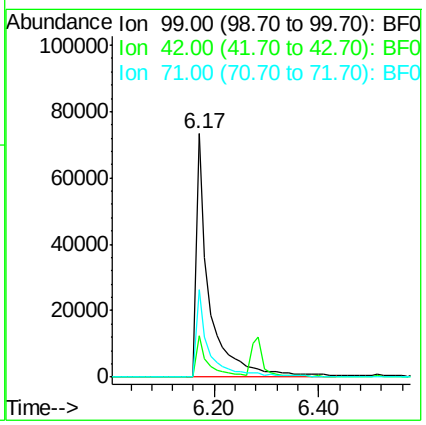


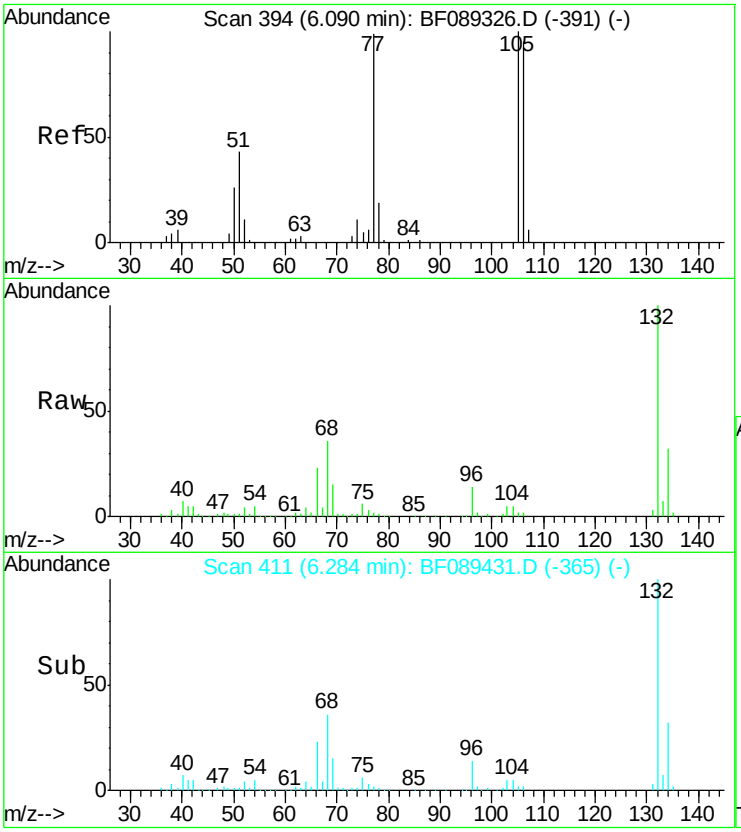


#7
Phenol-d6
Concen: 36.68 ng
RT: 6.17 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion: 99 Resp: 129461

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.6	20.4
71	36.0	29.4	44.2



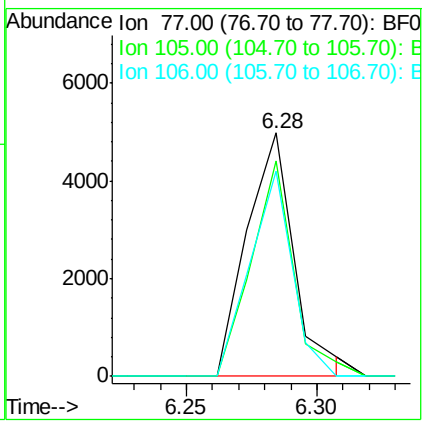


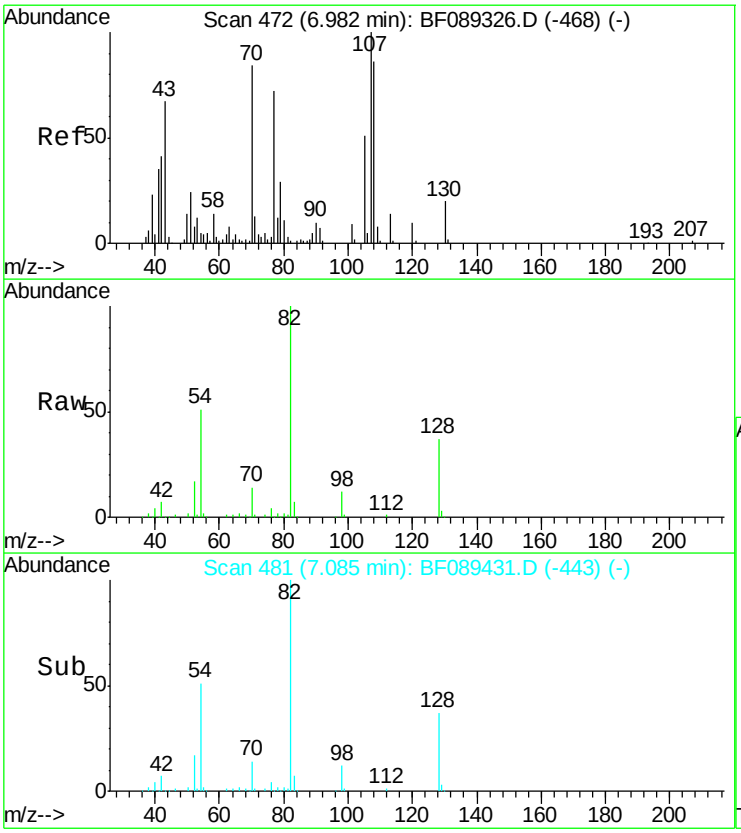
#9
Benzaldehyde
Concen: 3.66 ng
RT: 6.28 min Scan# 411
Delta R.T. 0.23 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion: 77 Resp: 6307

Ion	Ratio	Lower	Upper
77	100		
105	88.6	82.9	122.9
106	84.5	75.9	115.9

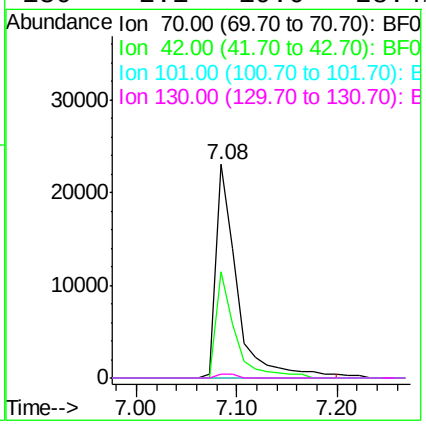


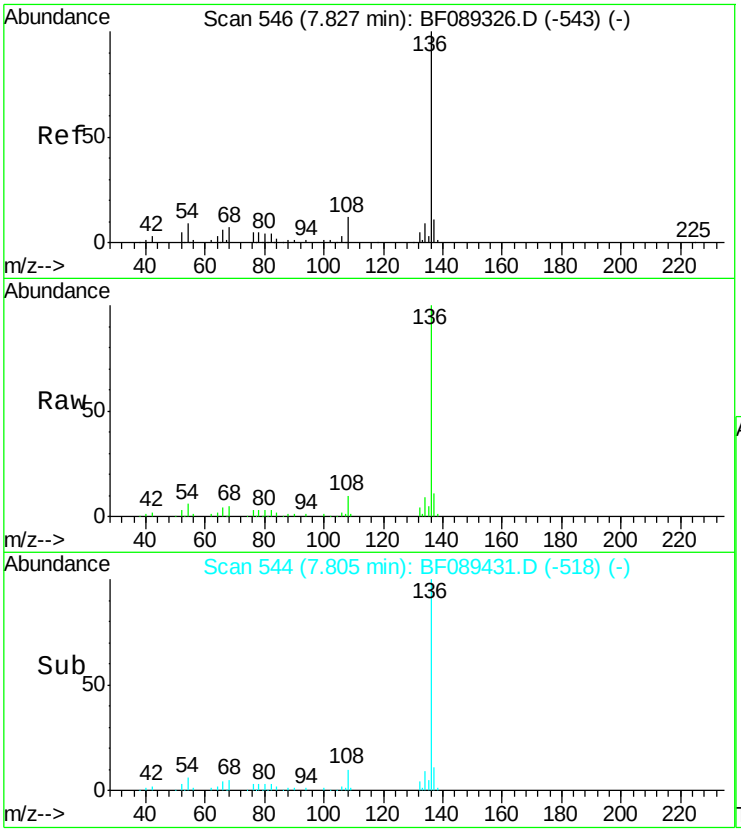


#19
n-Nitroso-di-n-propylamine
Concen: 15.74 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.14 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion: 70 Resp: 33502

Ion	Ratio	Lower	Upper
70	100		
42	49.6	38.6	57.8
101	0.0	8.3	12.5#
130	2.1	19.0	28.4#



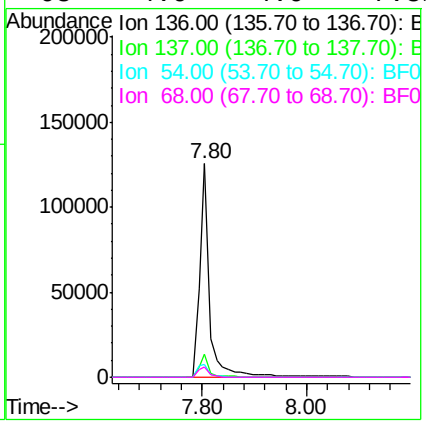


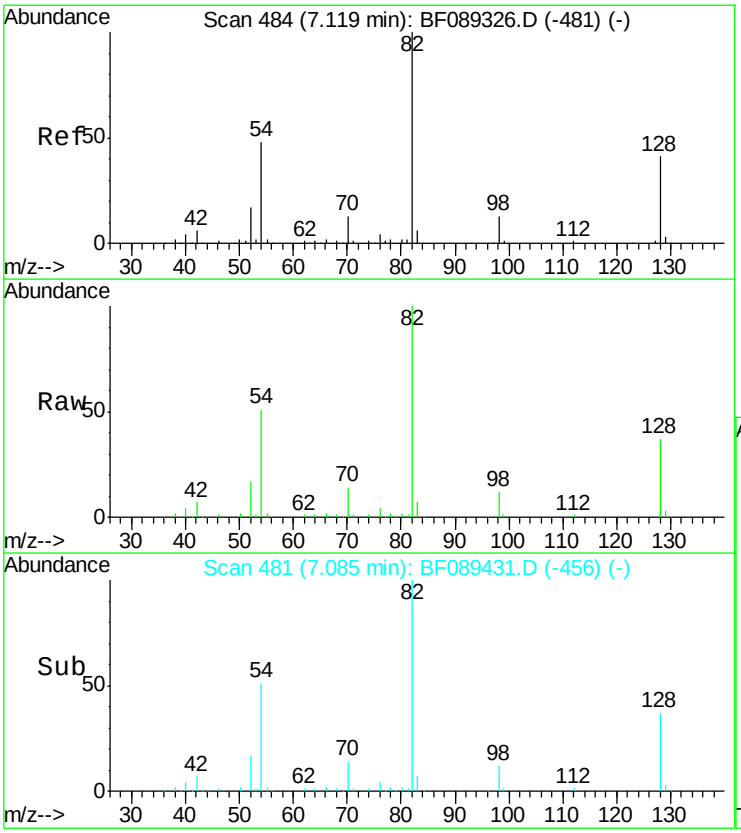
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:136 Resp: 165641

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	5.8	7.0	10.4#
68	4.9	4.9	7.3#

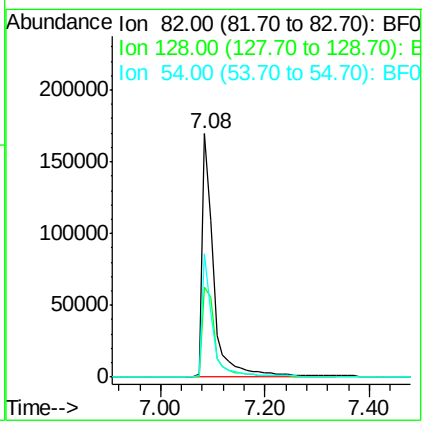


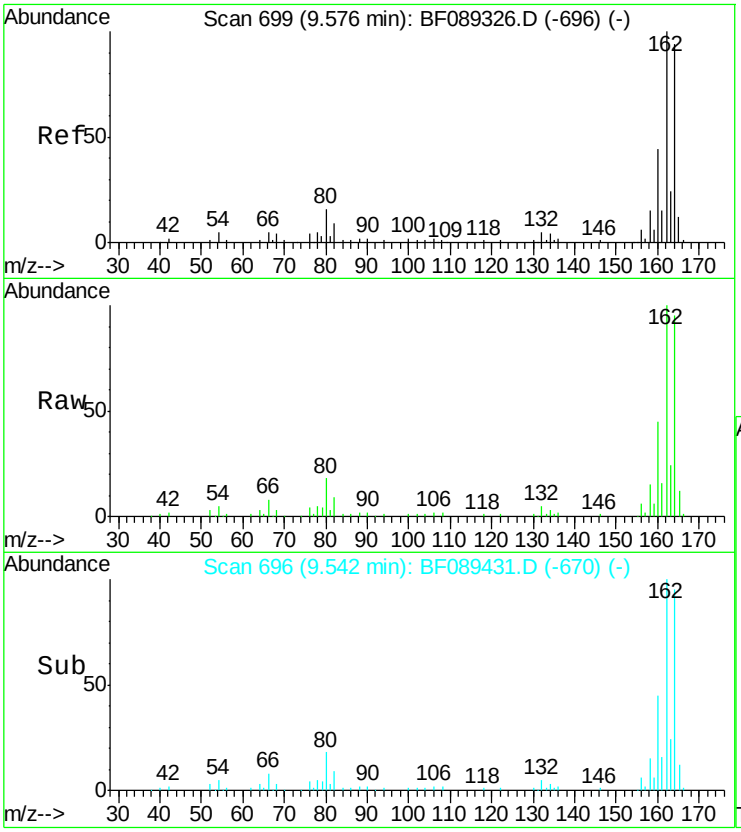


#23
Nitrobenzene-d5
Concen: 93.85 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion: 82 Resp: 263380

Ion	Ratio	Lower	Upper
82	100		
128	37.0	32.5	48.7
54	50.8	38.8	58.2



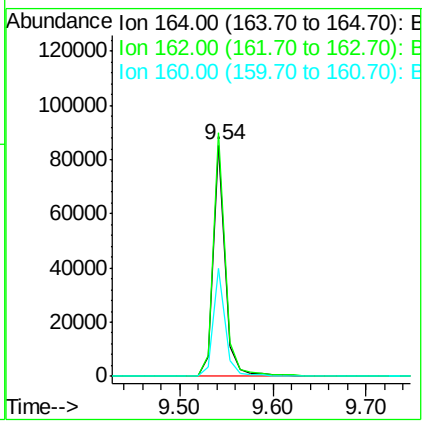


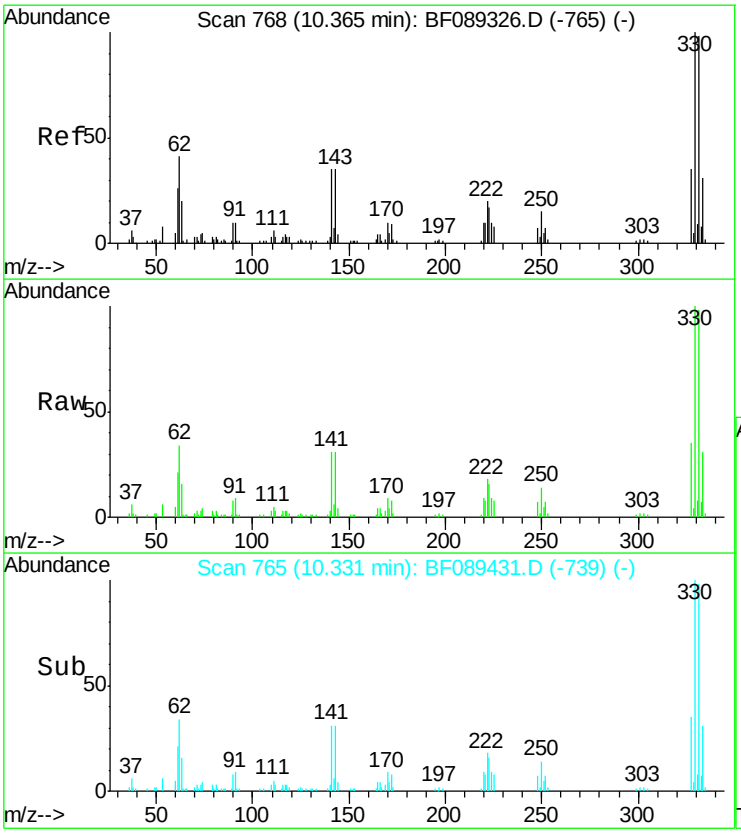
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:164 Resp: 75615

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.7	125.5
160	46.9	37.8	56.6

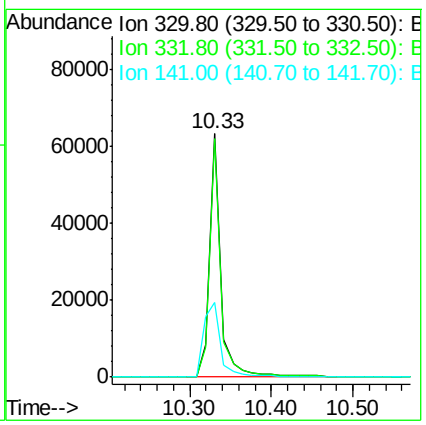


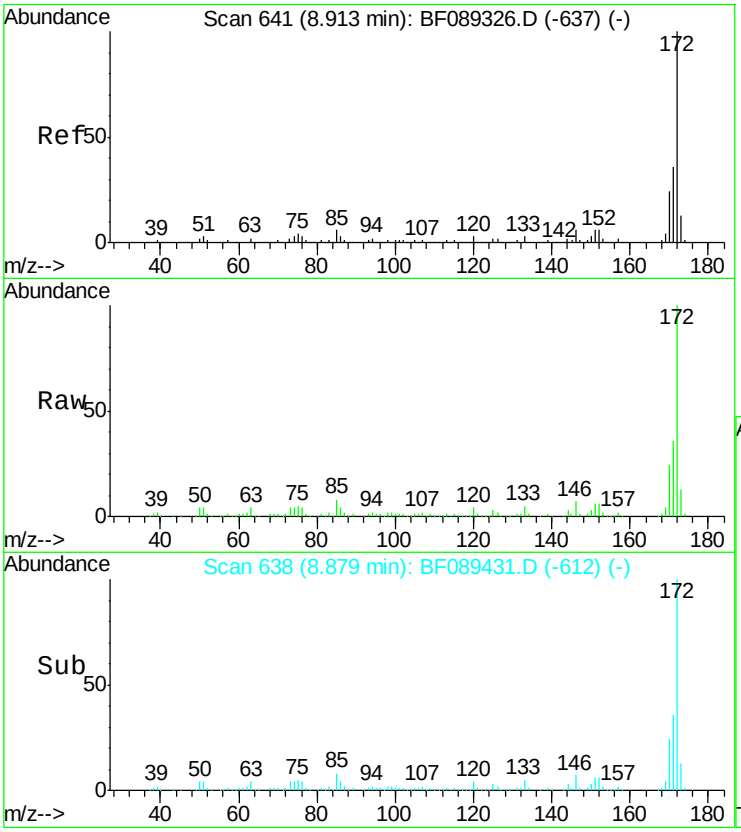


#41
2,4,6-Tribromophenol
Concen: 100.03 ng
RT: 10.33 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion:330 Resp: 62642

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.8	115.2
141	45.7	37.3	55.9



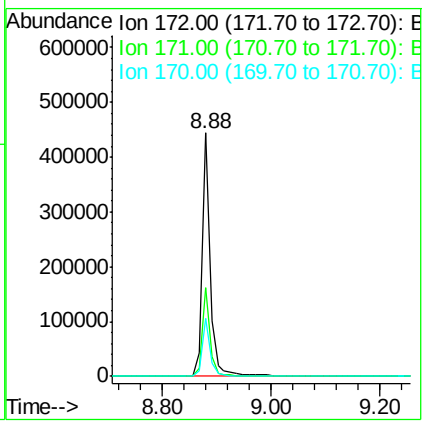


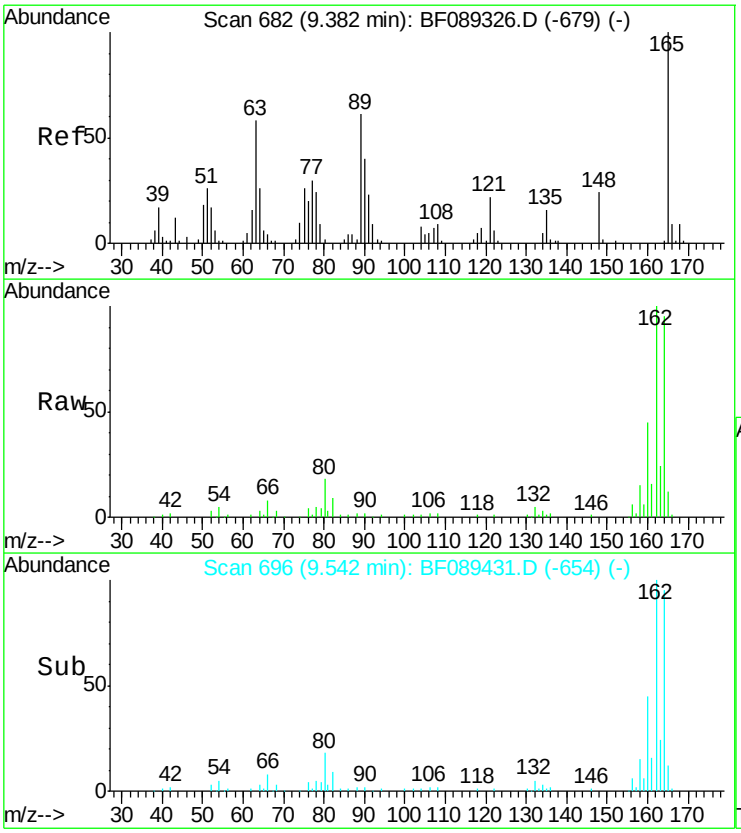
#44
2-Fluorobiphenyl
Concen: 87.23 ng
RT: 8.88 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:172 Resp: 449443

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.2	43.8
170	24.0	19.2	28.8

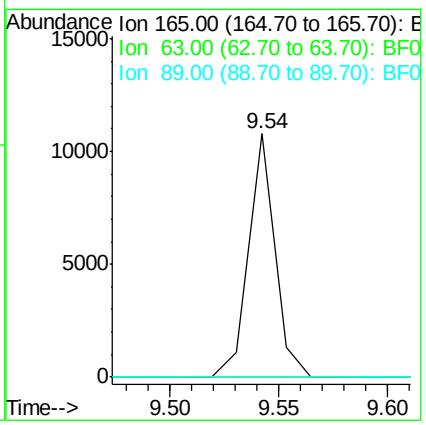


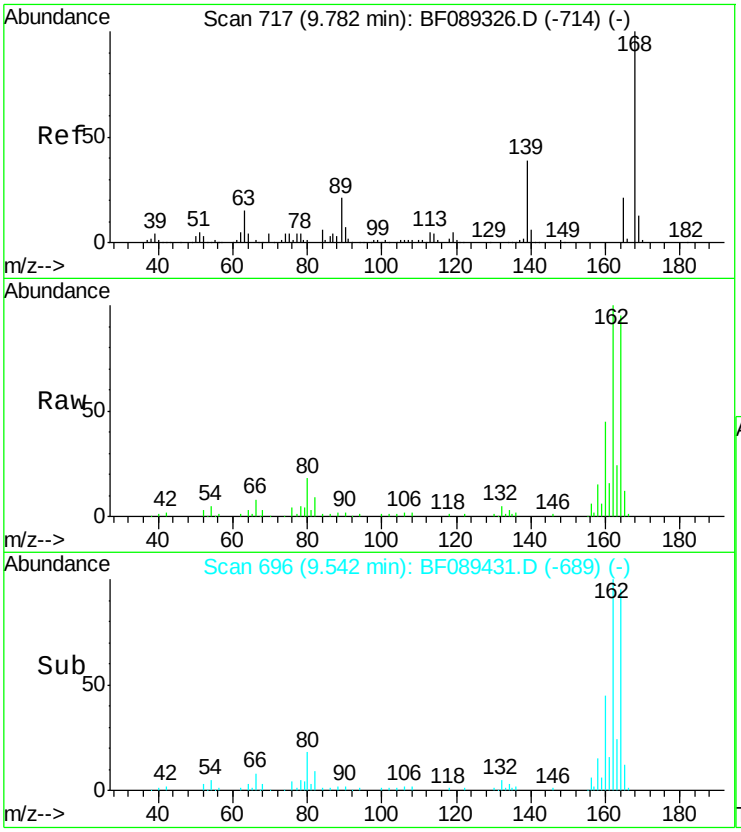


#50
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 9.54 min Scan# 696
Delta R.T. 0.18 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion:165 Resp: 9050

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



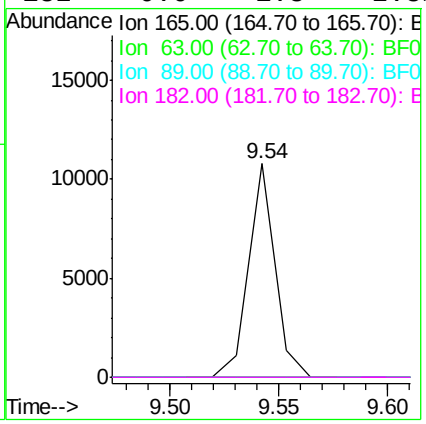


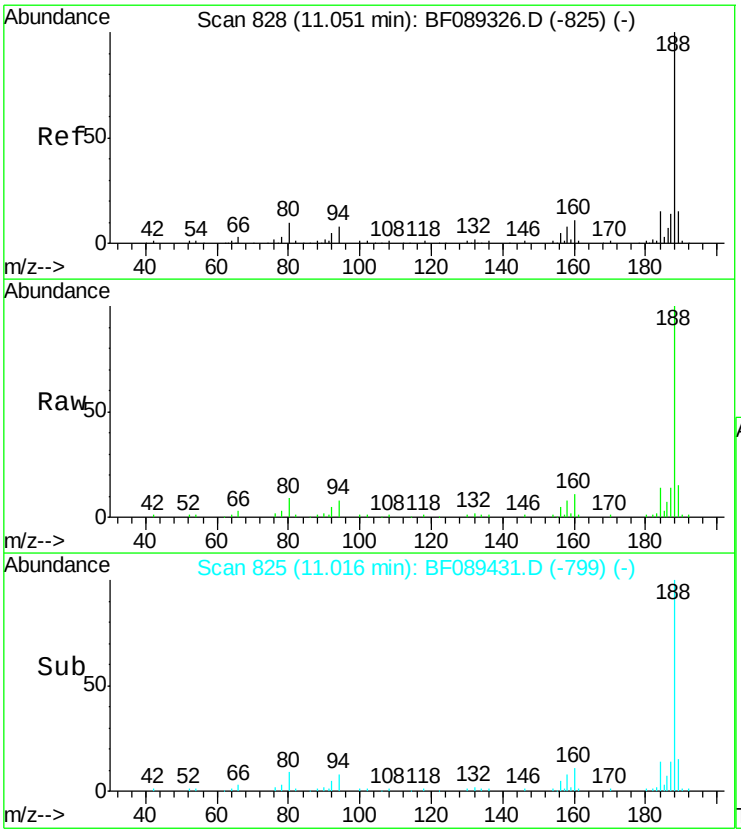
#56
2,4-Dinitrotoluene
Concen: 5.81 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.22 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:165 Resp: 9050

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#

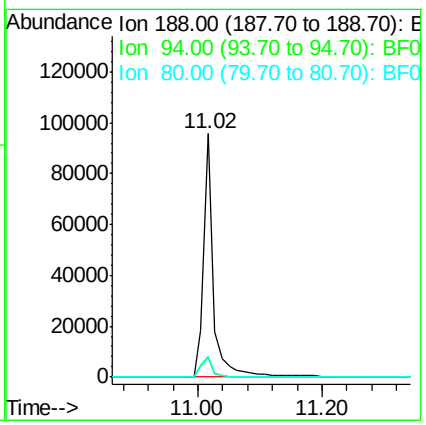


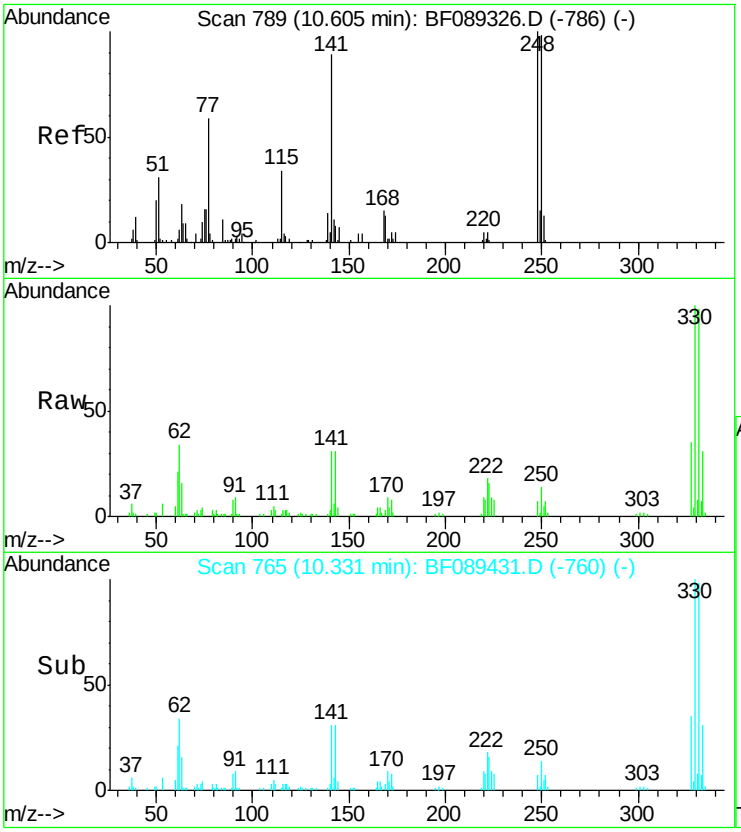


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion:188 Resp: 107347

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.5	9.7
80	8.8	7.2	10.8



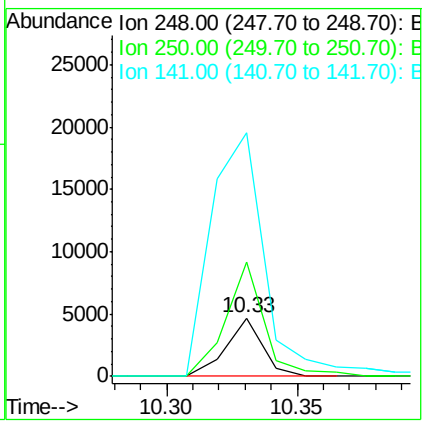


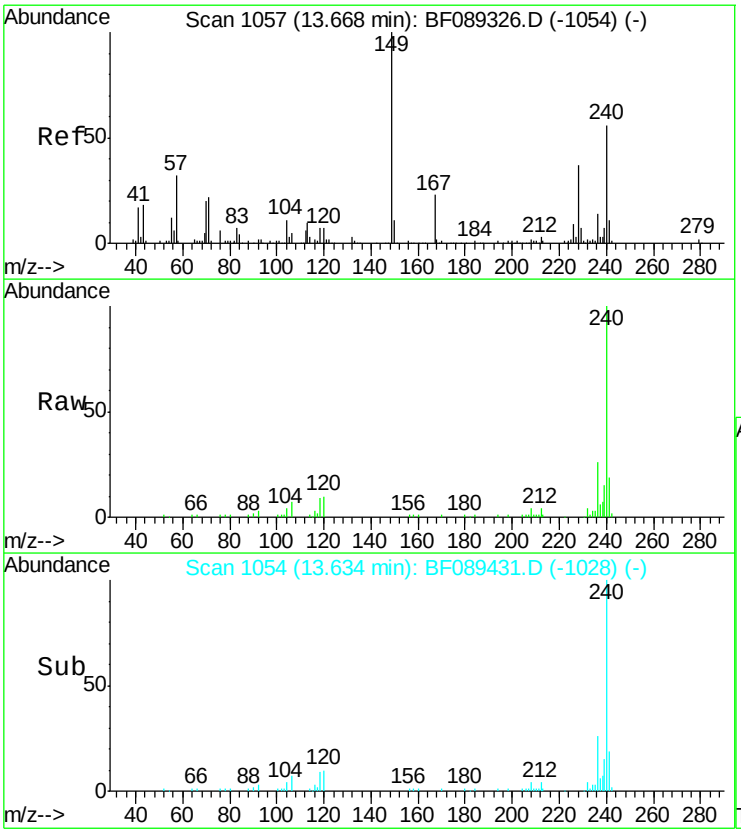
#66
4-Bromophenyl-phenylether
Concen: 4.50 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.24 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:248 Resp: 4613

Ion	Ratio	Lower	Upper
248	100		
250	196.5	78.2	117.2#
141	419.5	62.0	93.0#

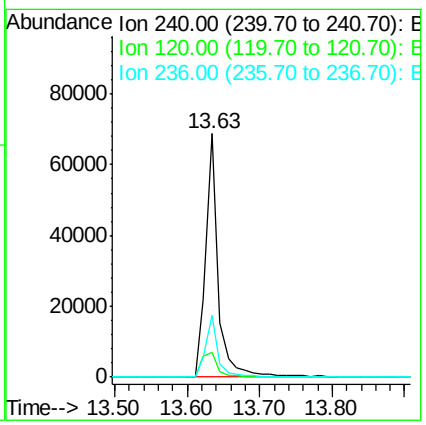


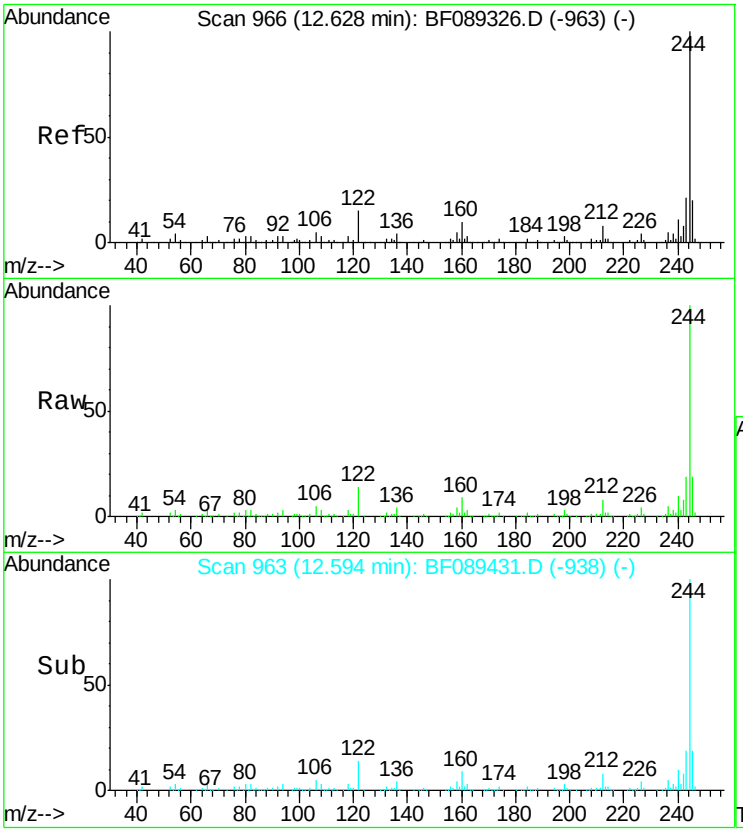


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion:240 Resp: 82700

Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.1	13.7
236	25.5	20.6	30.8



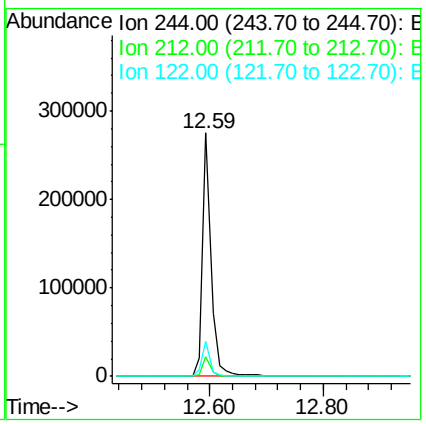


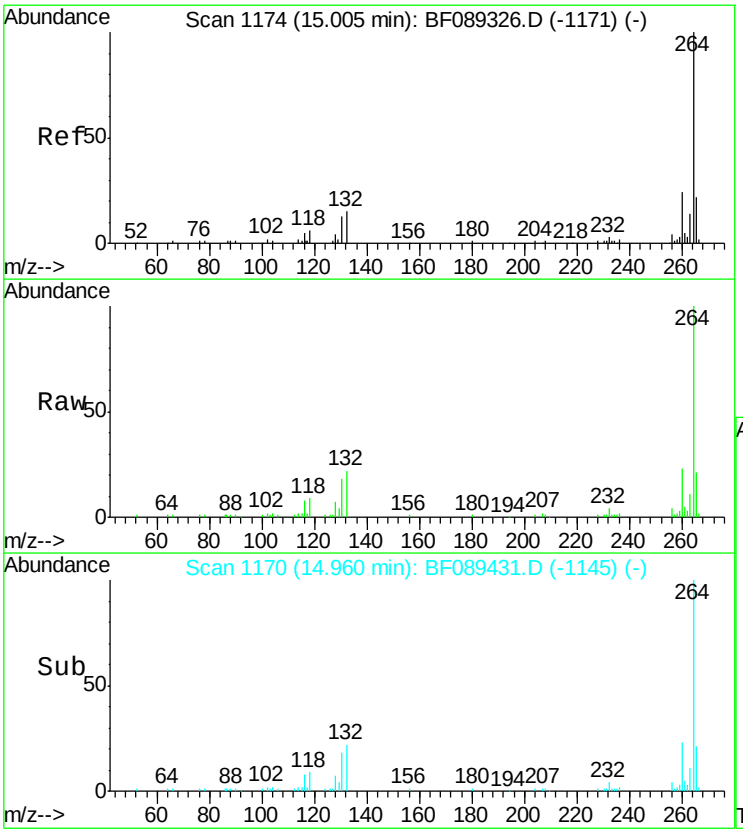
#78
Terphenyl-d14
Concen: 78.10 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Instrument :
BNA_F
ClientSampleId :
GW-45-7.8-13.0

Tgt Ion:244 Resp: 275951

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	14.5	11.4	17.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF089431.D
Acq: 30 Jul 2016 2:11

Tgt Ion:264 Resp: 92443

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	21.1	17.5	26.3