Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089376.D
Acq On : 28 Jul 2016 21:45
Operator : UM/SJ
Sample : H4205-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-37-0.5-1.0

Quant Time: Jul 29 01:17:29 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	47086	20.00	ng		-0.02
21) Naphthalene-d8	7.82	136	189089	20.00	ng		-0.01
38) Acenaphthene-d10	9.55	164	92145	20.00	ng		-0.02
63) Phenanthrene-d10	11.03	188	148643	20.00	ng		-0.02
75) Chrysene-d12	13.65	240	92364	20.00	ng		-0.02
86) Perylene-d12	14.98	264	87835	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	333140	112.97	ng		-0.01
7) Phenol-d6	6.18	99	443520	113.81	ng		-0.02
23) Nitrobenzene-d5	7.10	82	283682	88.55	ng		-0.02
41) 2,4,6-Tribromophenol	10.34	330	81885	107.30	ng		-0.02
44) 2-Fluorobiphenyl	8.89	172	518928	82.65	ng		-0.02
78) Terphenyl-d14	12.61	244	327265	82.93	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	62150	47.14	ng	#	26
9) Benzaldehyde	6.30	77	8186	4.30	ng		86
17) 2-Methylphenol	6.99	107	5225	2.03	ng	#	61
19) n-Nitroso-di-n-propylamine	7.10	70	37458	15.94	ng	#	82
49) Dimethylphthalate	9.29	163	137298	19.58	ng		99
55) 4-Nitrophenol	9.77	139	322	6.58	ng	#	4
56) 2,4-Dinitrotoluene	9.55	165	11553	6.09	ng	#	7
64) 4,6-Dinitro-2-methylphenol	10.34	198	206	4.54	ng	#	1
66) 4-Bromophenyl-phenylether	10.34	248	6546	4.61	ng	#	1
70) Phenanthrene	11.05	178	46039	6.01	ng		99
73) Di-n-butylphthalate	11.61	149	23587	2.45	ng	#	96
74) Fluoranthene	12.23	202	79789	9.89	ng		97
77) Pyrene	12.46	202	69484	9.93	ng		99
80) Benzo(a)anthracene	13.63	228	32888	6.31	ng		95
82) Chrysene	13.67	228	27964	5.04	ng		98
85) Indeno(1,2,3-cd)pyrene	16.17	276	22918	5.81	ng	#	93
87) Benzo(b)fluoranthene	14.64	252	58834	10.79	ng		98
88) Benzo(k)fluoranthene	14.64	252	58834	11.73	ng		99
89) Benzo(a)pyrene	14.88	252	22124	4.52	ng		93
91) Benzo(g,h,i)perylene	16.53	276	22903	6.04	ng		96

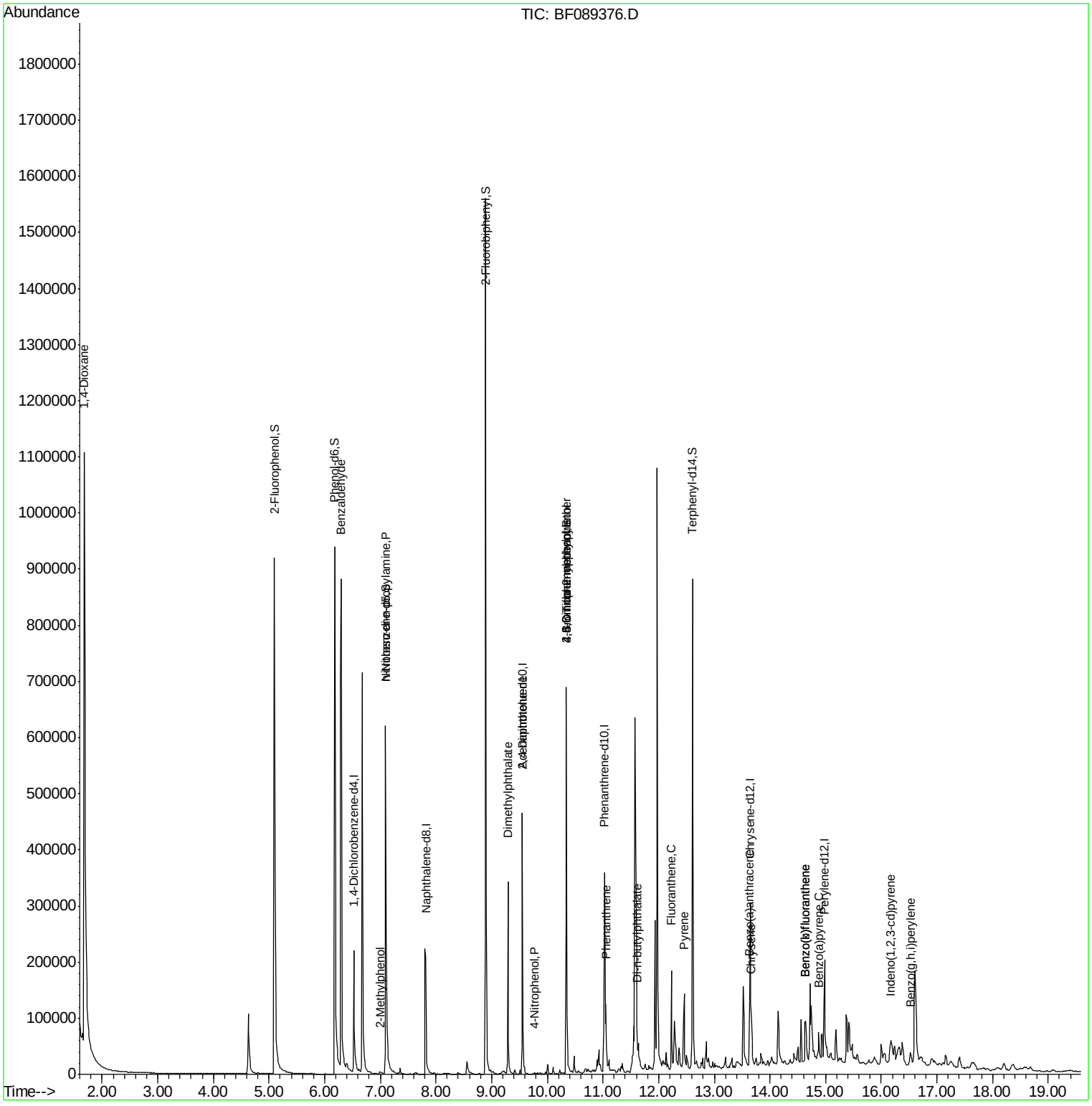
(#) = qualifier out of range (m) = manual integration (+) = signals summed

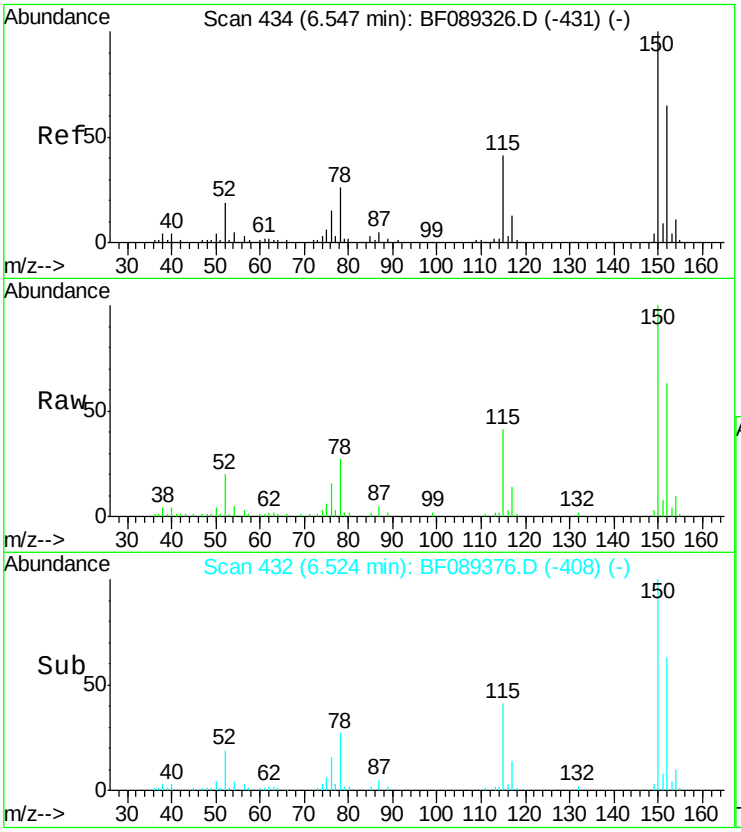
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089376.D
Acq On : 28 Jul 2016 21:45
Operator : UM/SJ
Sample : H4205-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Quant Time: Jul 29 01:17:29 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration



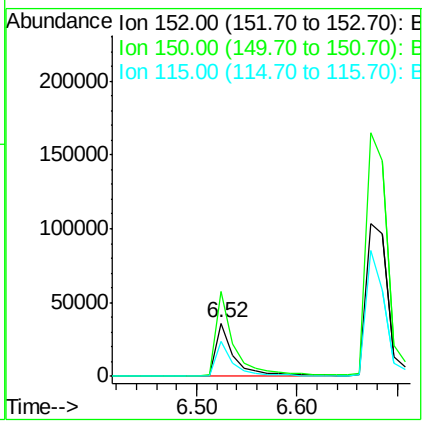


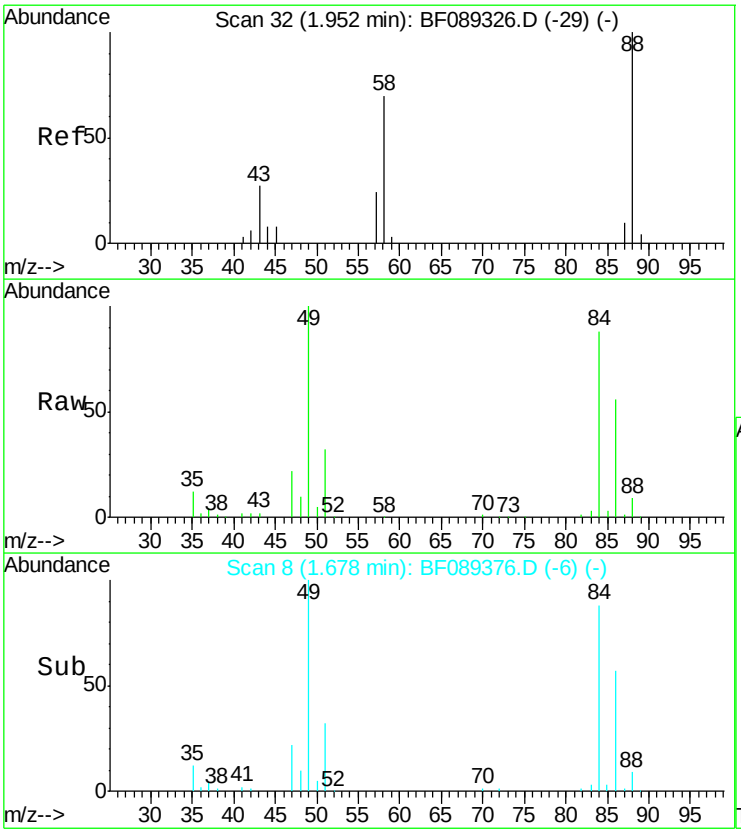
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:152 Resp: 47086

Ion	Ratio	Lower	Upper
152	100		
150	160.0	129.5	194.3
115	65.7	51.4	77.2

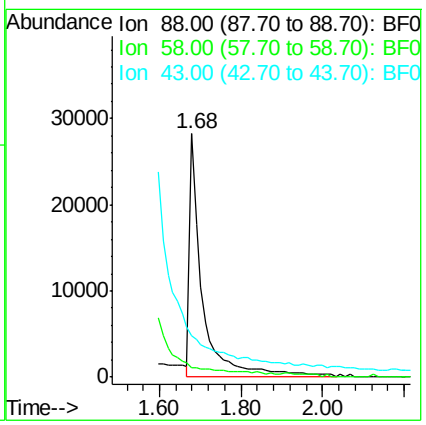


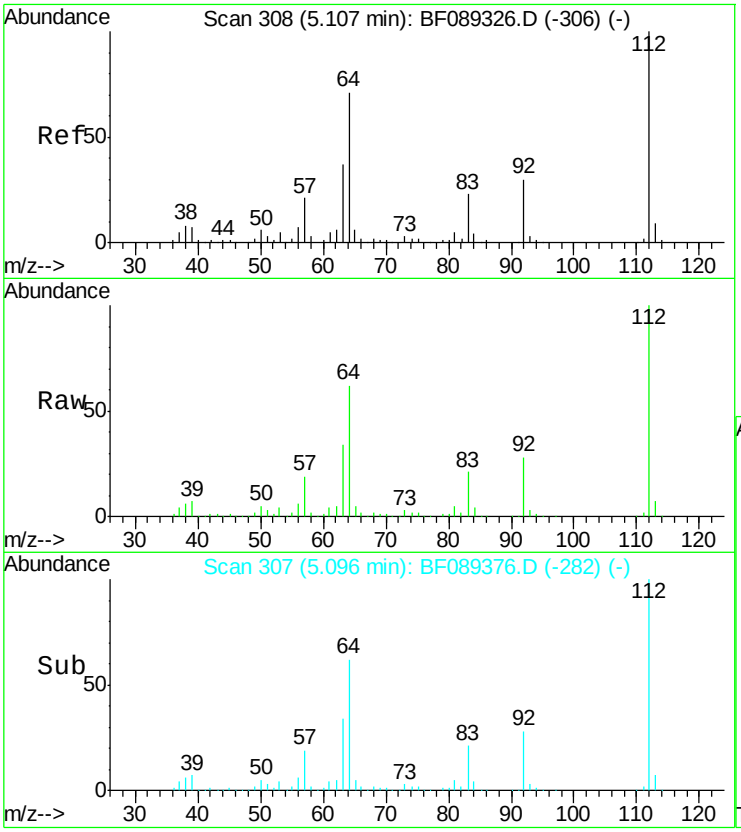


#2
1,4-Dioxane
Concen: 47.14 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion: 88 Resp: 62150

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



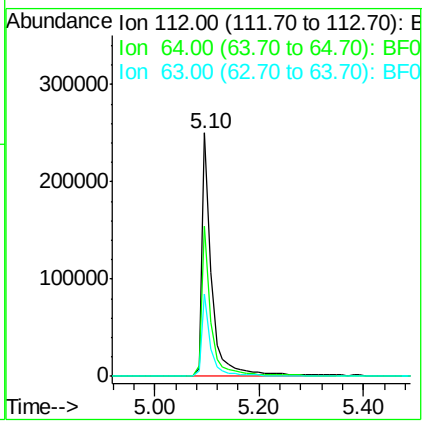


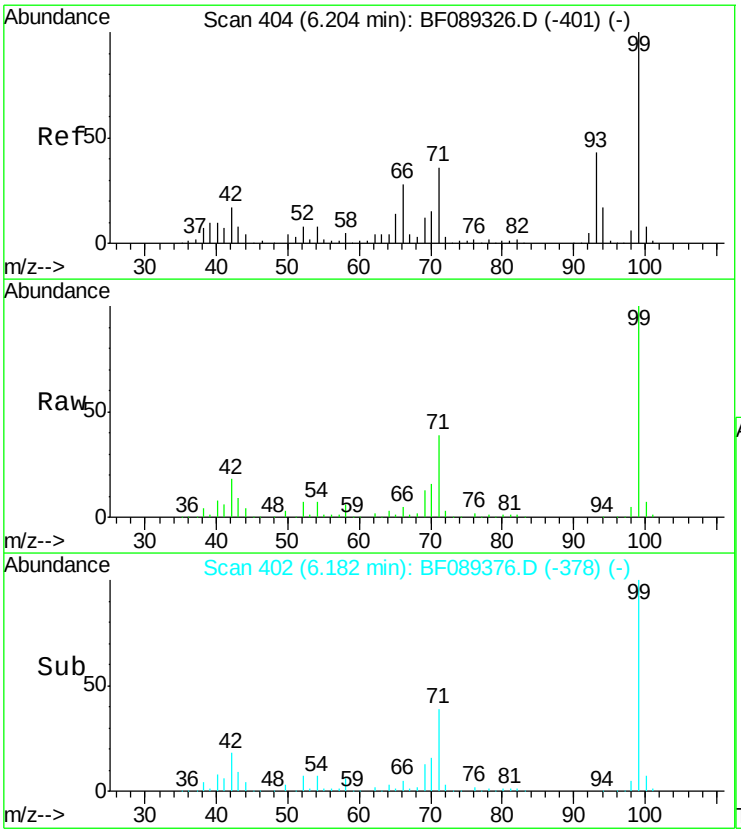
#5
2-Fluorophenol
Concen: 112.97 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:112 Resp: 333140

Ion	Ratio	Lower	Upper
112	100		
64	61.9	55.0	82.6
63	33.6	29.4	44.2

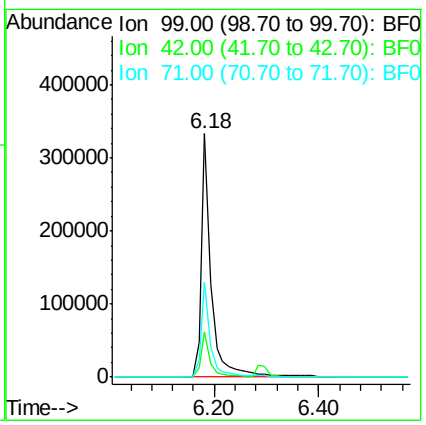


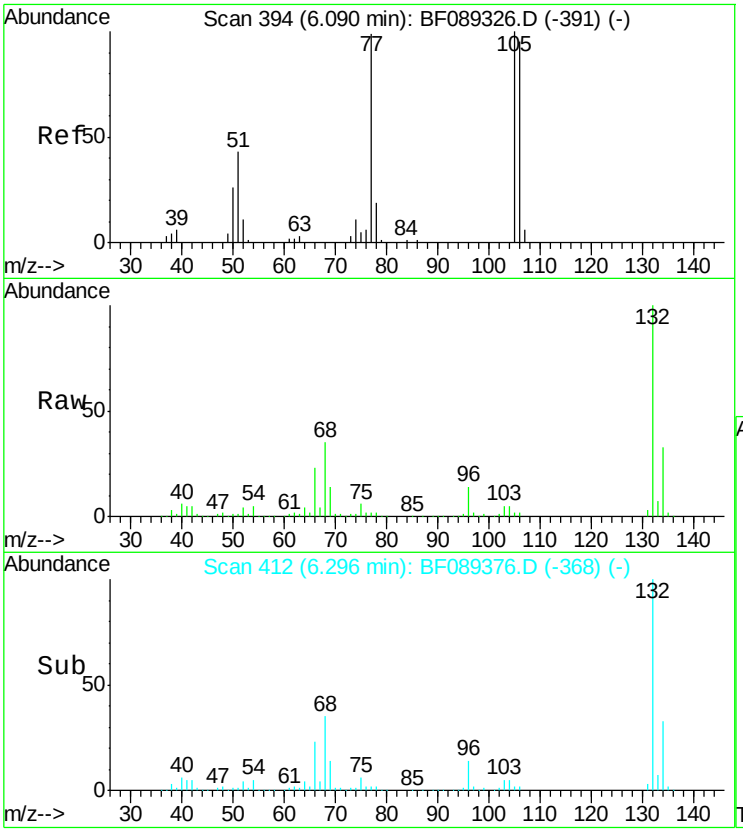


#7
Phenol-d6
Concen: 113.81 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion: 99 Resp: 443520

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.6	20.4
71	39.0	29.4	44.2



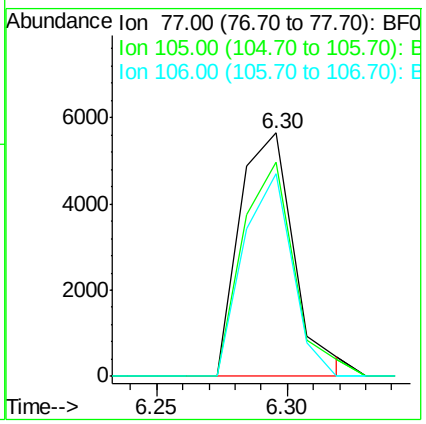


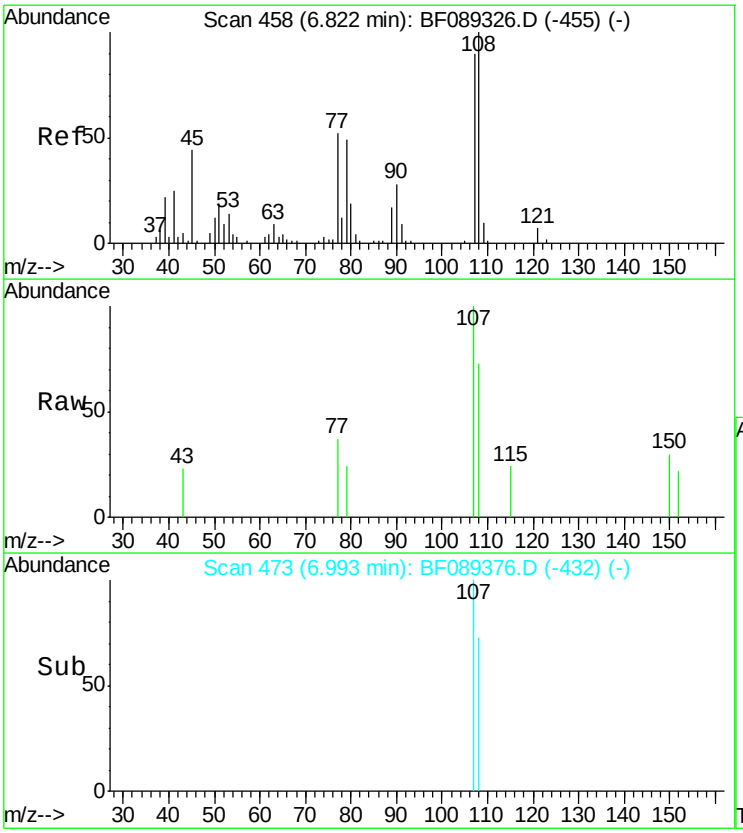
#9
Benzaldehyde
Concen: 4.30 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.21 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion: 77 Resp: 8186

Ion	Ratio	Lower	Upper
77	100		
105	87.9	82.9	122.9
106	83.2	75.9	115.9

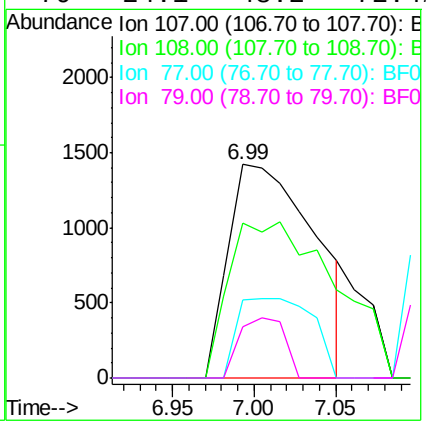


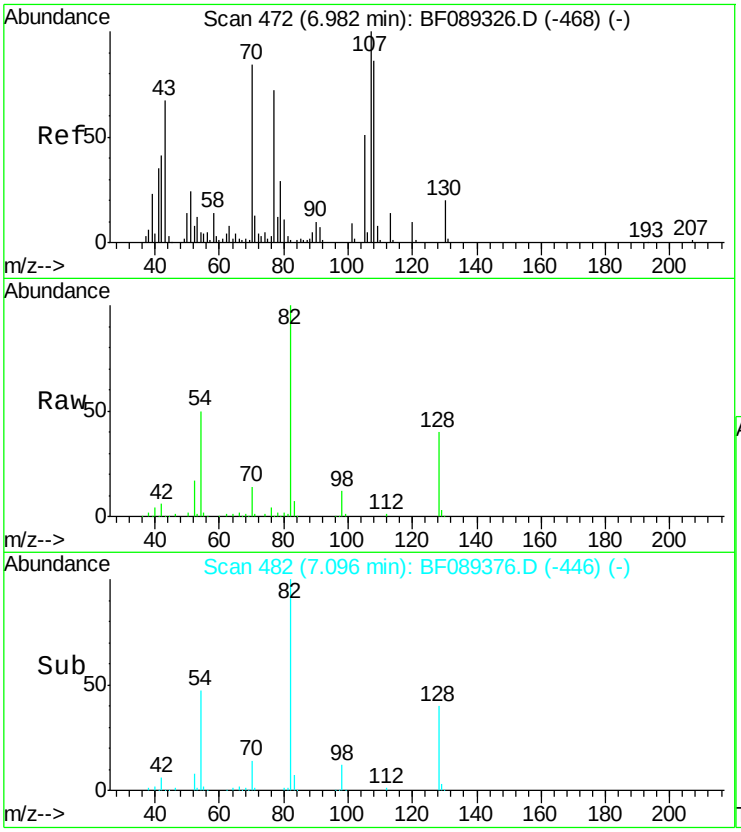


#17
2-Methylphenol
Concen: 2.03 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.17 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:107 Resp: 5225

Ion	Ratio	Lower	Upper
107	100		
108	72.5	91.4	137.0#
77	36.8	48.6	73.0#
79	24.1	48.2	72.4#



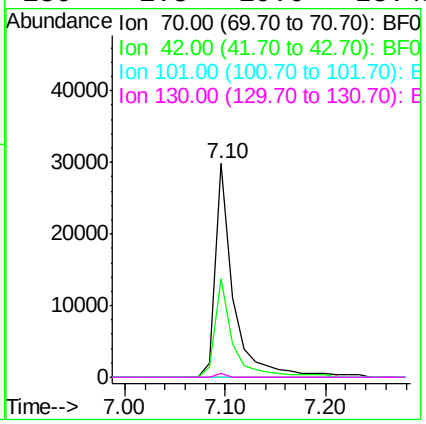


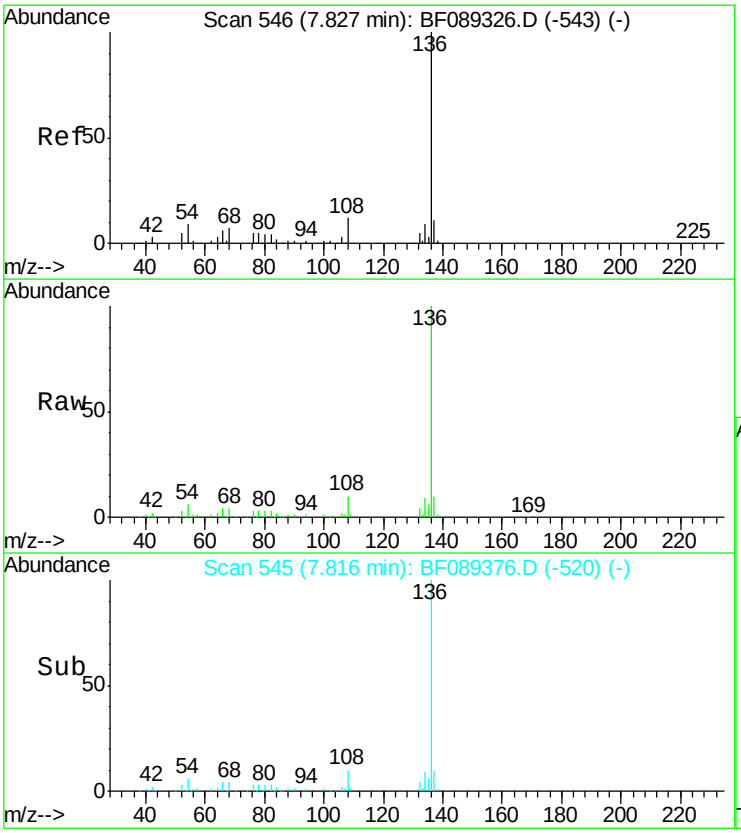
#19
n-Nitroso-di-n-propylamine
Concen: 15.94 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion: 70 Resp: 37458

Ion	Ratio	Lower	Upper
70	100		
42	46.3	38.6	57.8
101	0.0	8.3	12.5#
130	1.8	19.0	28.4#

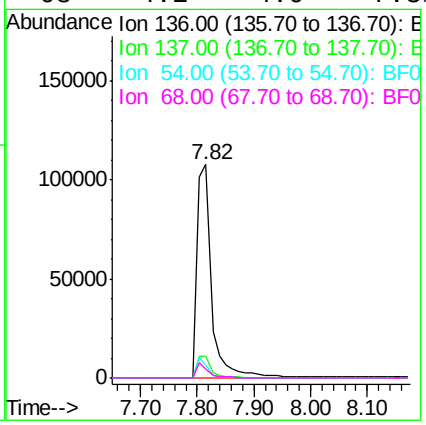


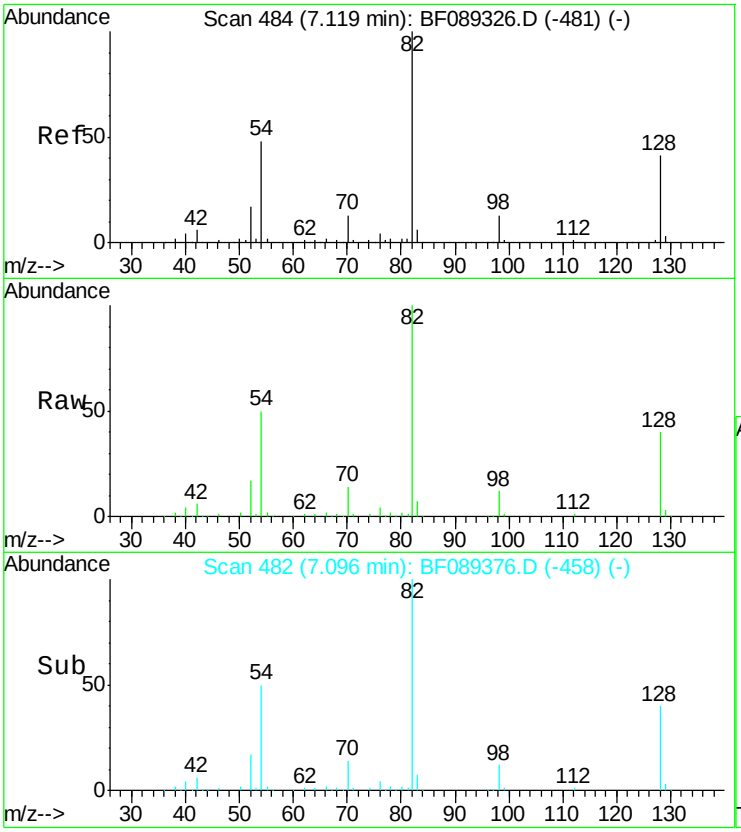


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:136 Resp: 189089

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	5.9	7.0	10.4#
68	4.2	4.9	7.3#



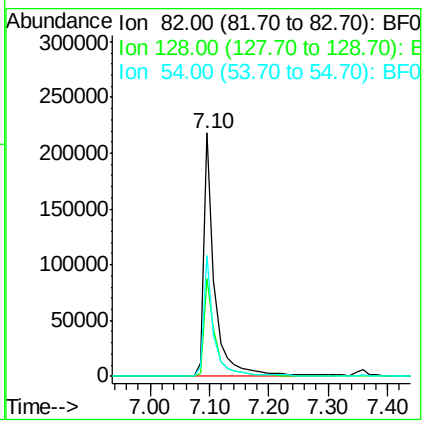


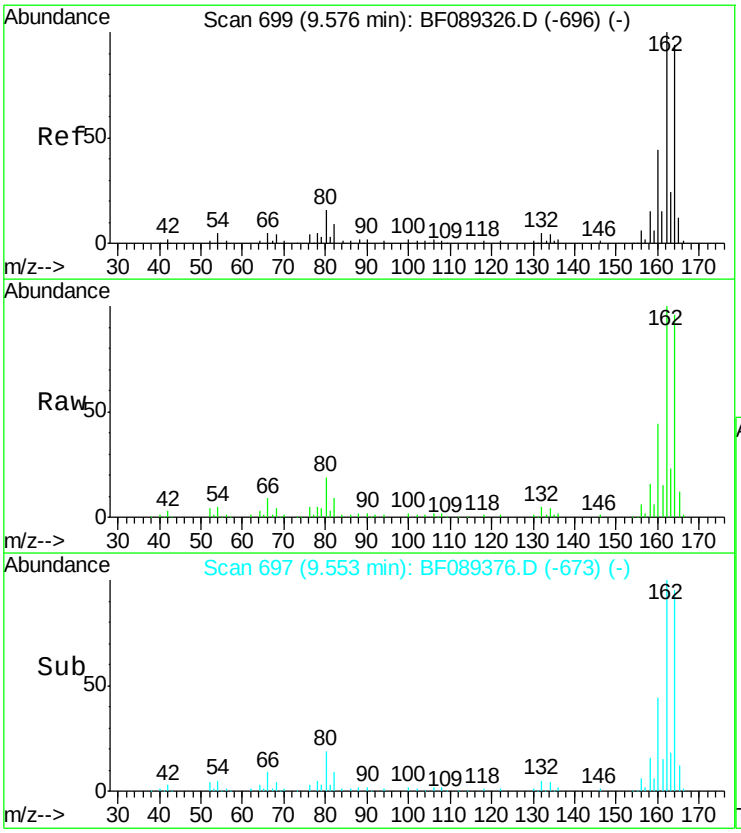
#23
Nitrobenzene-d5
Concen: 88.55 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion: 82 Resp: 283682

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.5	48.7
54	49.5	38.8	58.2

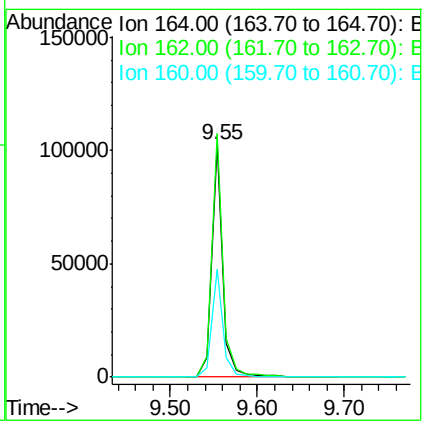


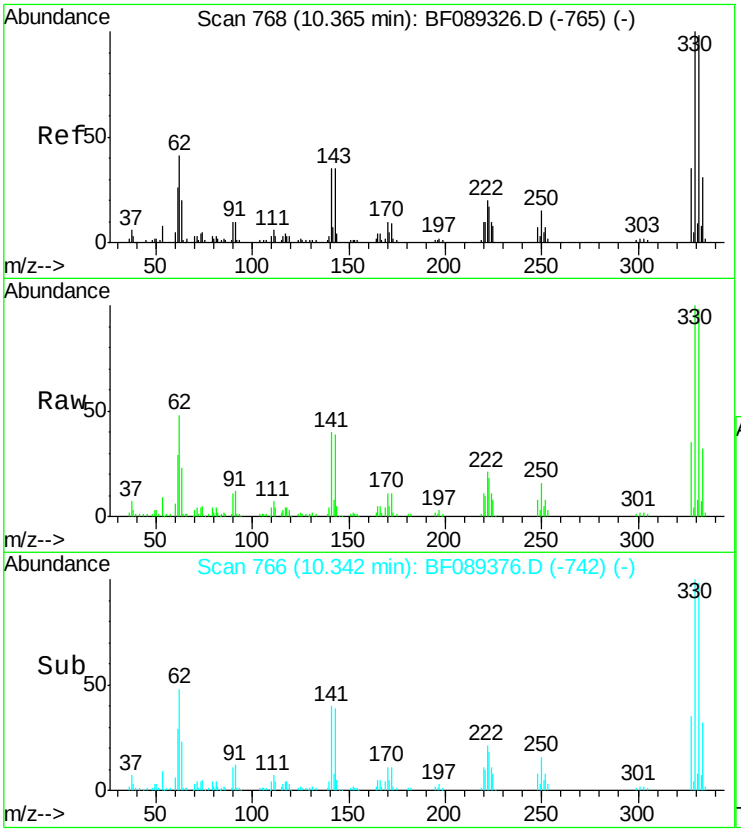


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:164 Resp: 92145

Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.7	125.5
160	46.2	37.8	56.6



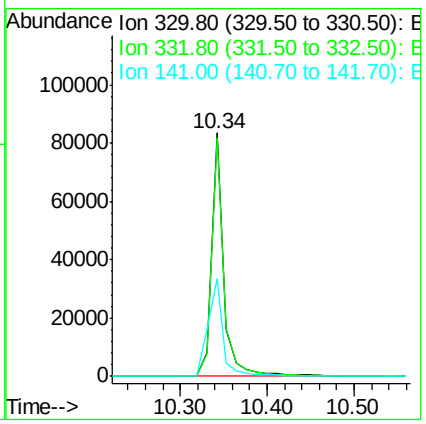


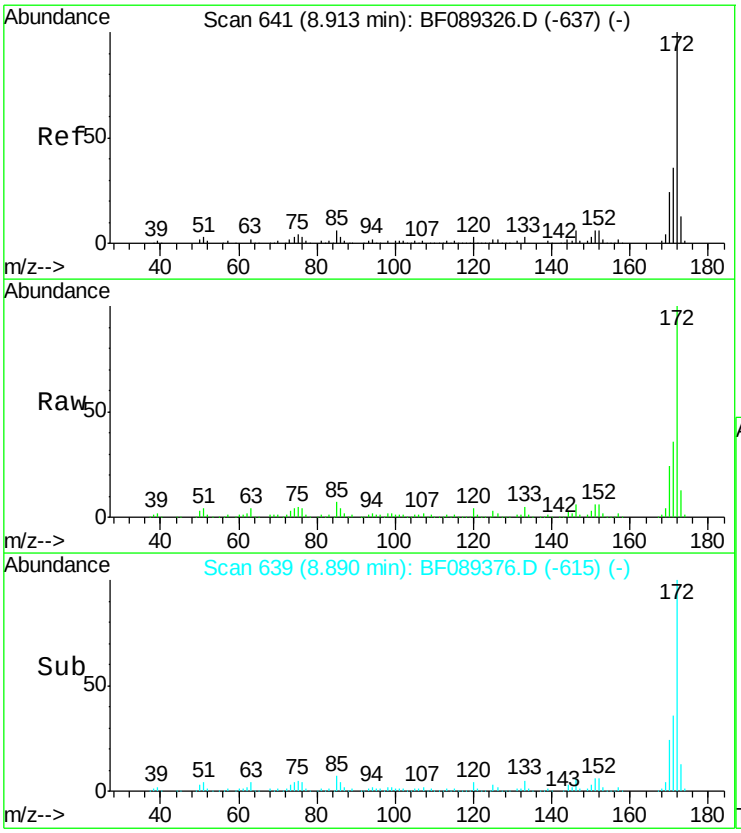
#41
2,4,6-Tribromophenol
Concen: 107.30 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:330 Resp: 81885

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.8	115.2
141	49.6	37.3	55.9

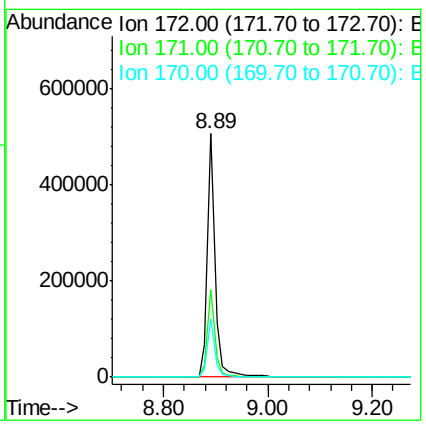


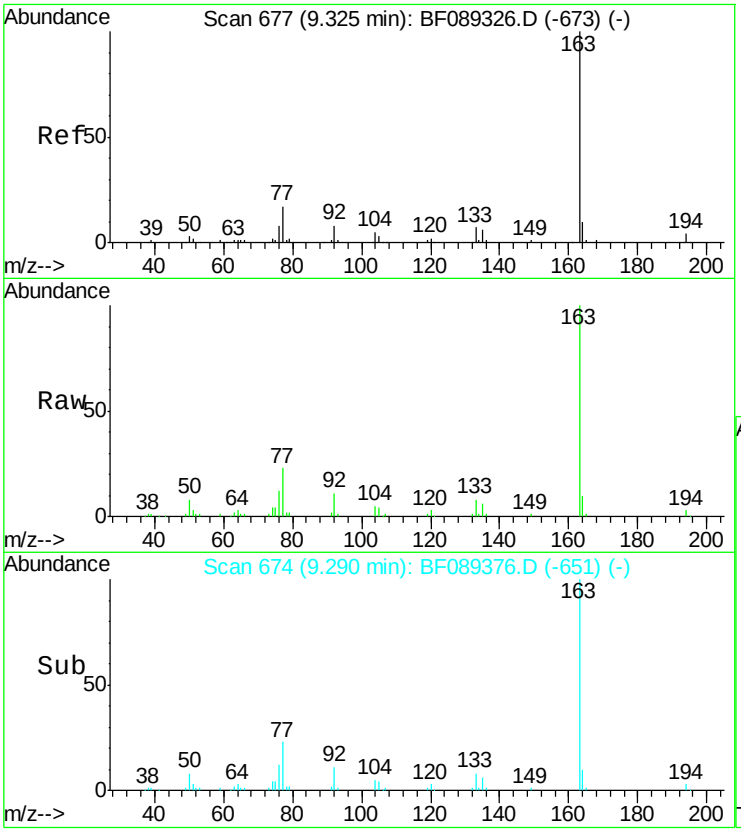


#44
2-Fluorobiphenyl
Concen: 82.65 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:172 Resp: 518928

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



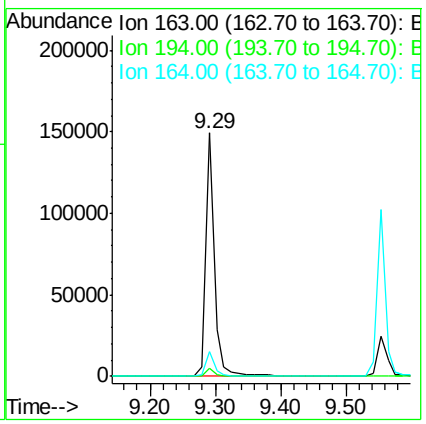


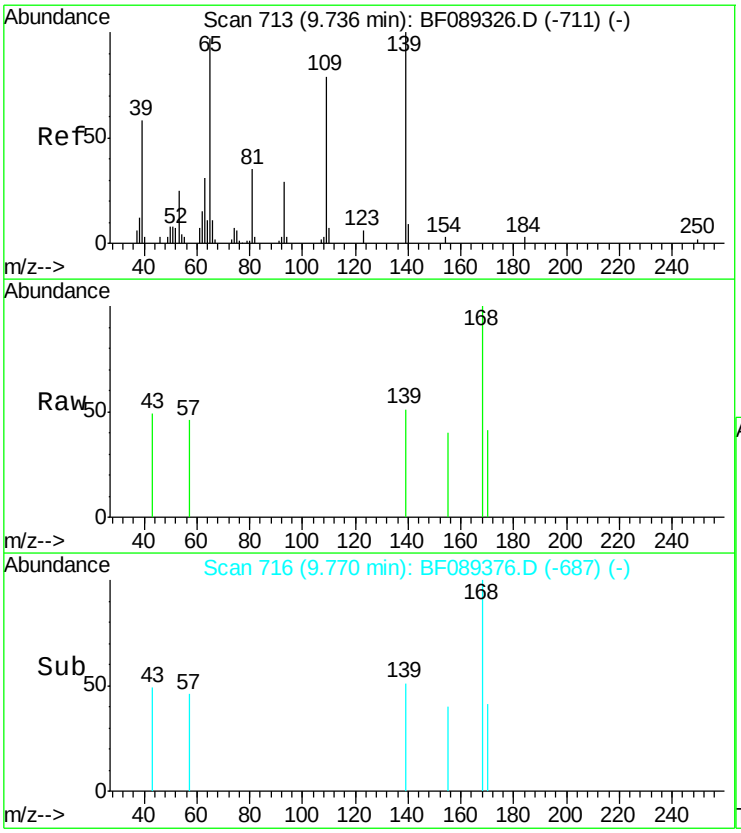
#49
Dimethylphthalate
Concen: 19.58 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:163 Resp: 137298

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.0	7.8	11.8

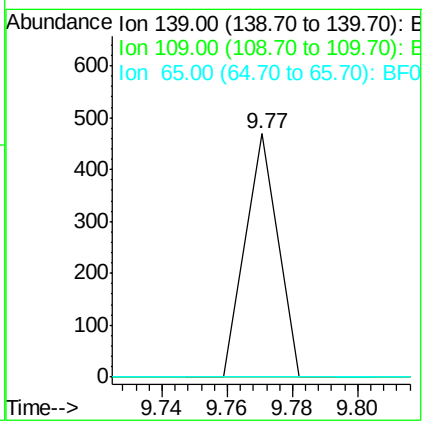


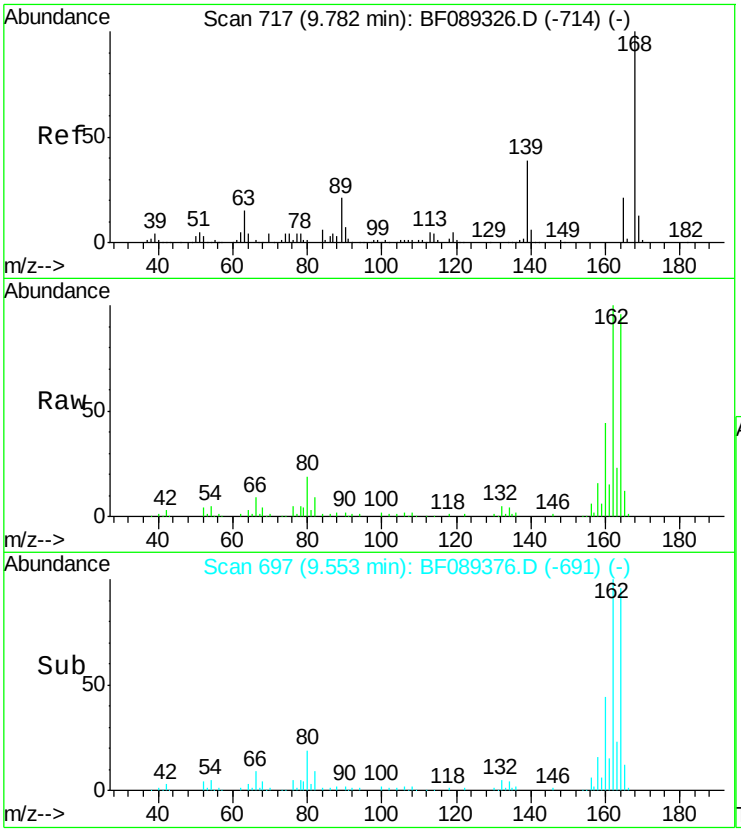


#55
4-Nitrophenol
Concen: 6.58 ng
RT: 9.77 min Scan# 716
Delta R.T. 0.03 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:139 Resp: 322

Ion	Ratio	Lower	Upper
139	100		
109	0.0	57.8	97.8#
65	0.0	81.7	121.7#



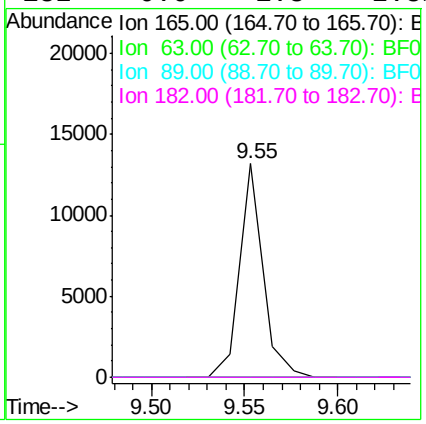


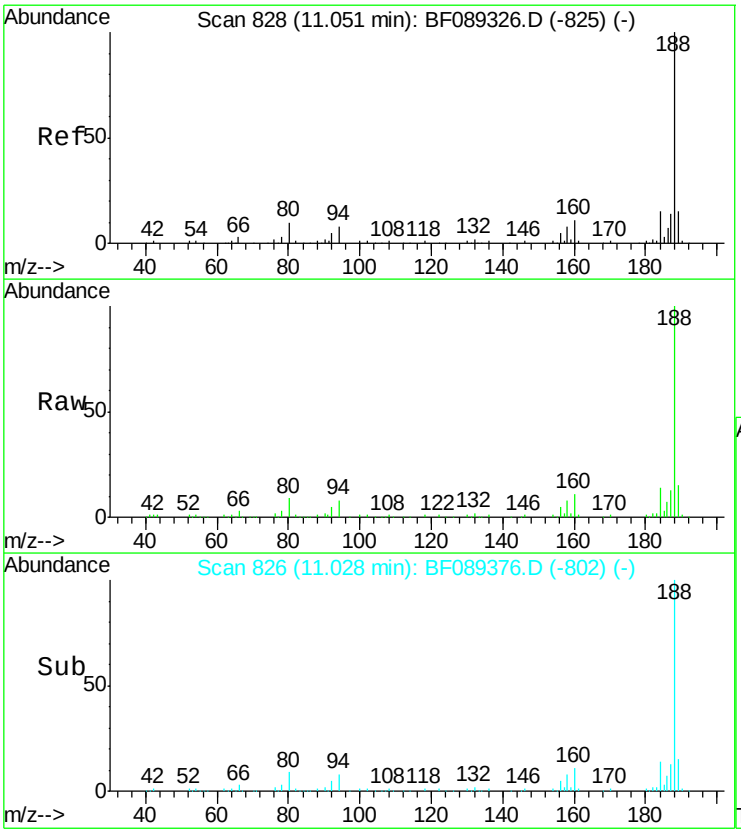
#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:165 Resp: 11553

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#

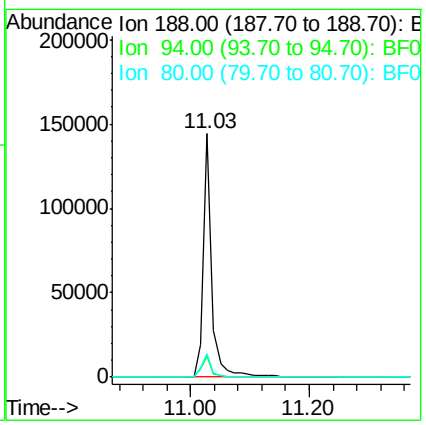


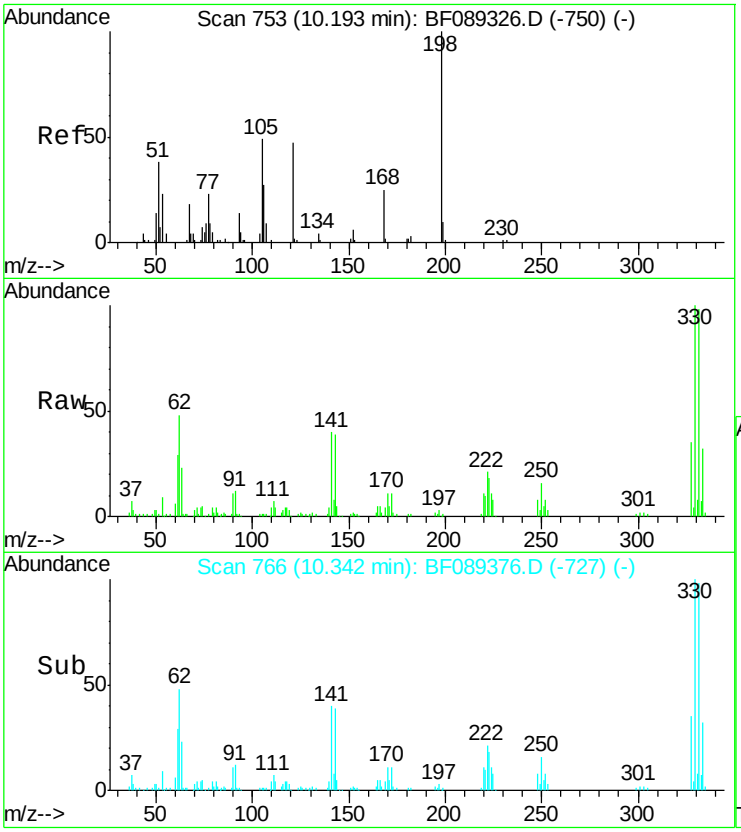


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:188 Resp: 148643

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.5	9.7
80	9.4	7.2	10.8



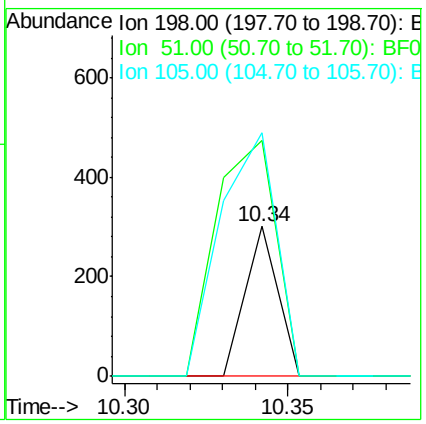


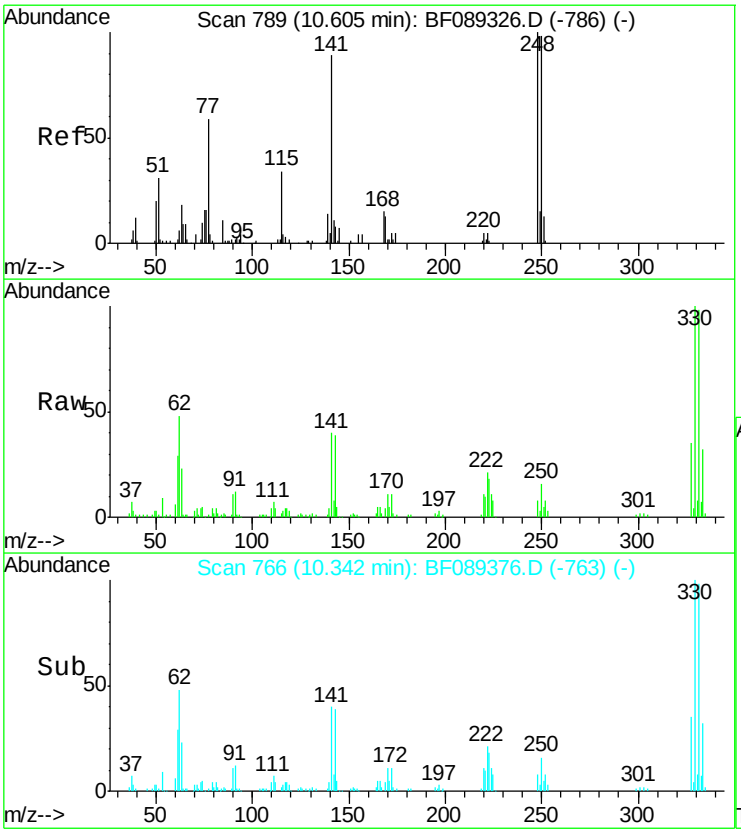
#64
4,6-Dinitro-2-methylphenol
Concen: 4.54 ng
RT: 10.34 min Scan# 766
Delta R.T. 0.15 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:198 Resp: 206

Ion	Ratio	Lower	Upper
198	100		
51	157.8	23.0	63.0#
105	162.5	28.3	68.3#

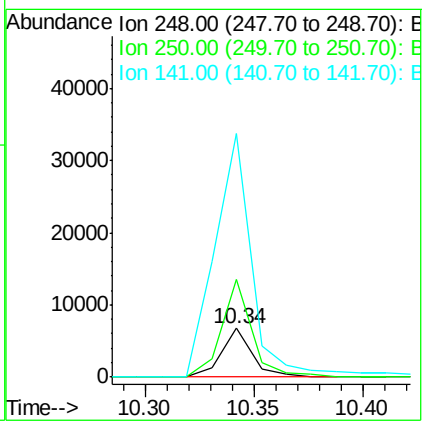


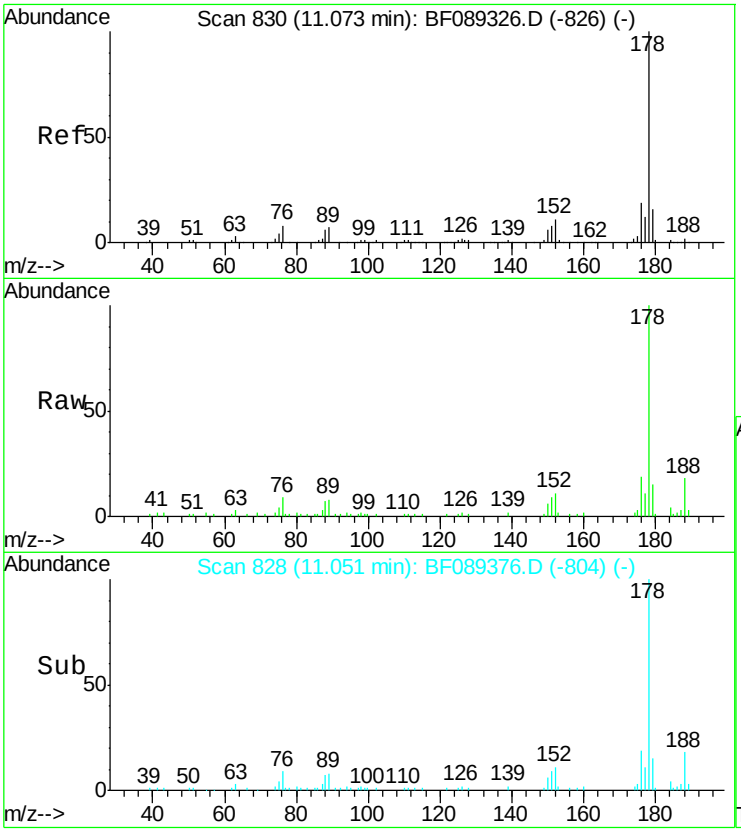


#66
4-Bromophenyl-phenylether
Concen: 4.61 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:248 Resp: 6546

Ion	Ratio	Lower	Upper
248	100		
250	200.9	78.2	117.2#
141	497.9	62.0	93.0#



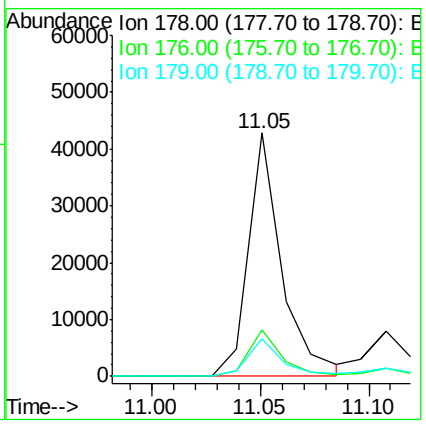


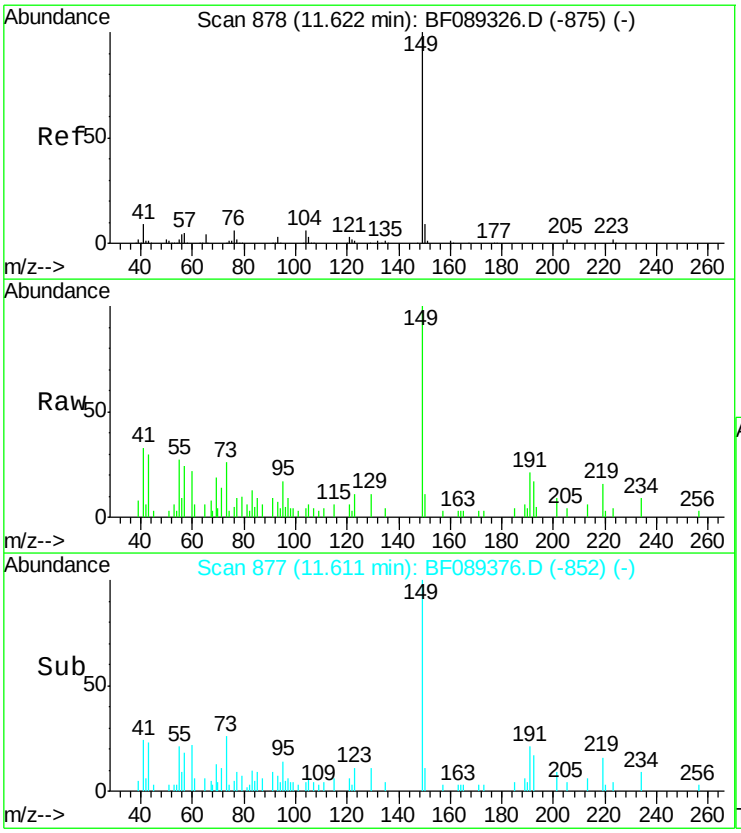
#70
Phenanthrene
Concen: 6.01 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:178 Resp: 46039

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.3	18.5

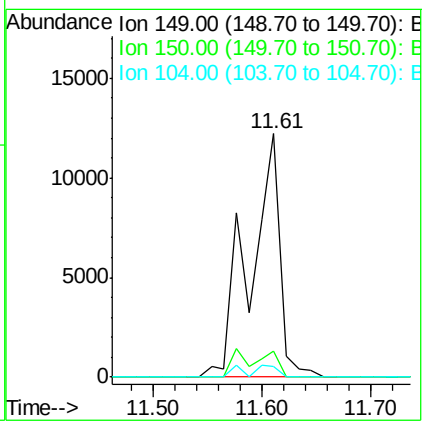


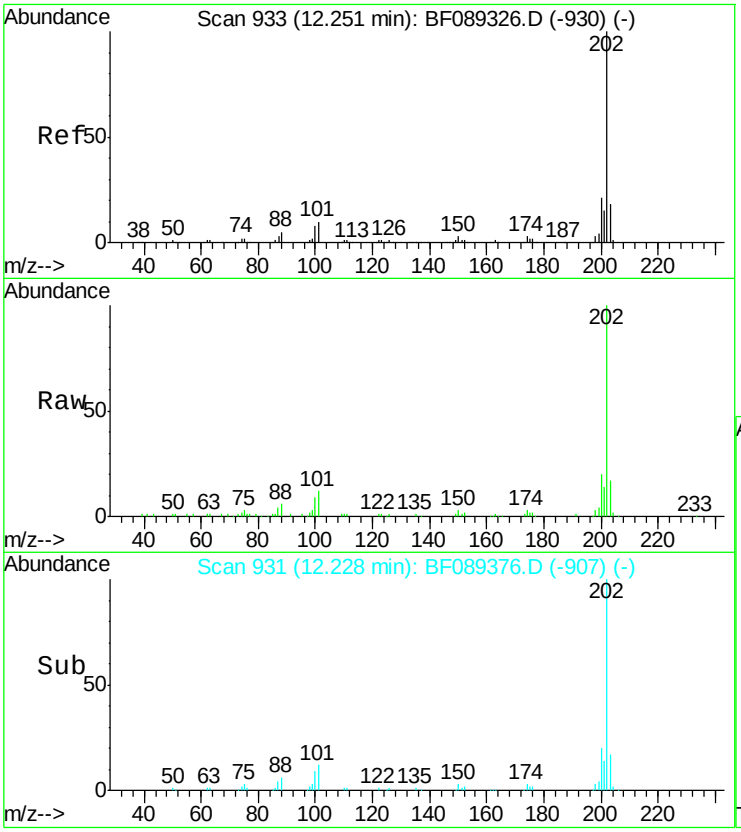


#73
Di-n-butylphthalate
Concen: 2.45 ng
RT: 11.61 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:149 Resp: 23587

Ion	Ratio	Lower	Upper
149	100		
150	10.8	7.4	11.0
104	4.5	4.7	7.1#



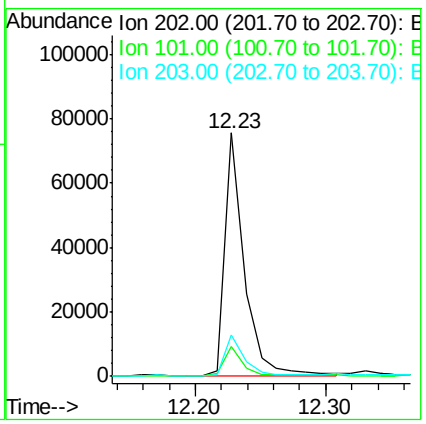


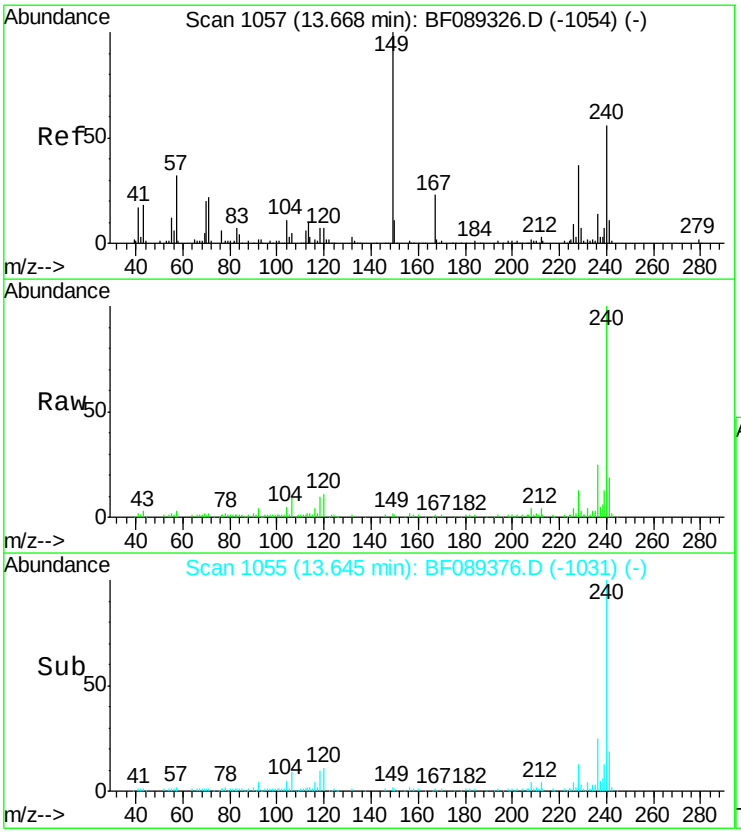
#74
Fluoranthene
Concen: 9.89 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:202 Resp: 79789

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	29.9
203	17.1	0.0	37.3

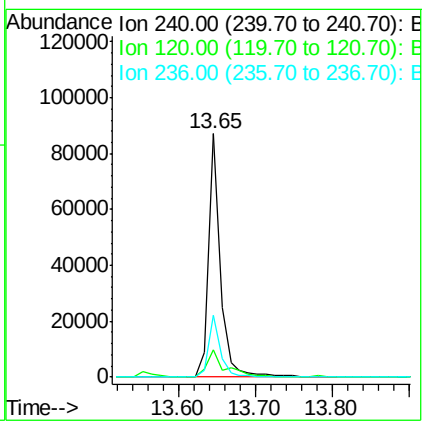


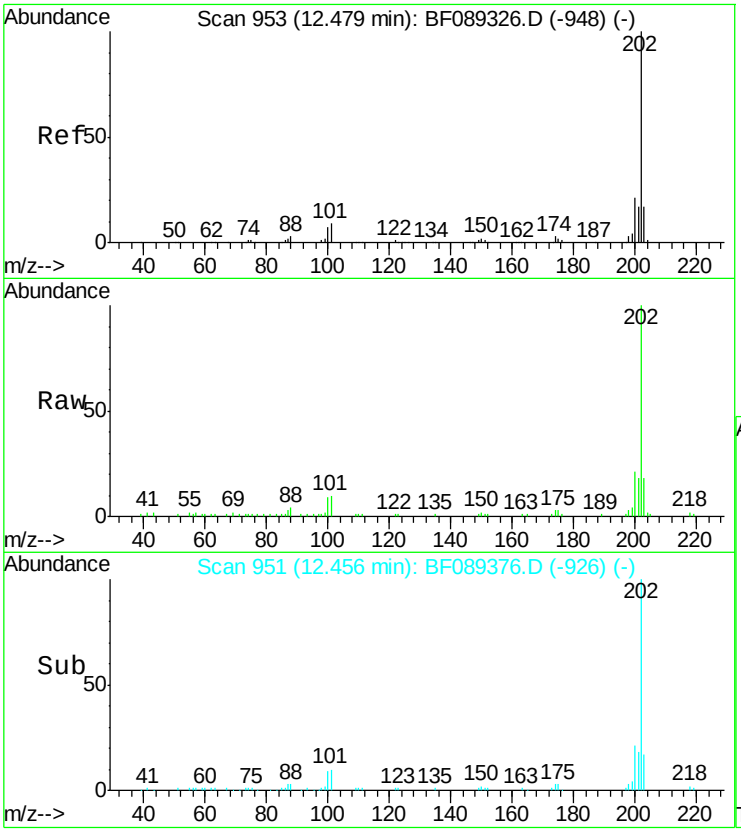


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:240 Resp: 92364

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.1	13.7
236	25.4	20.6	30.8



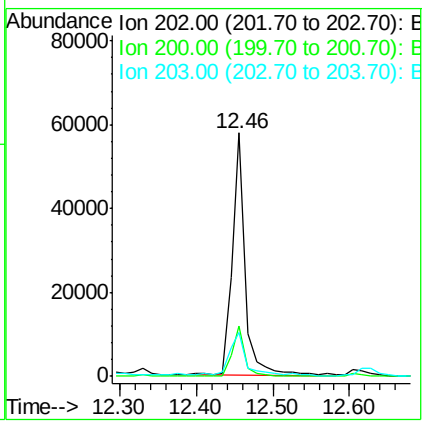


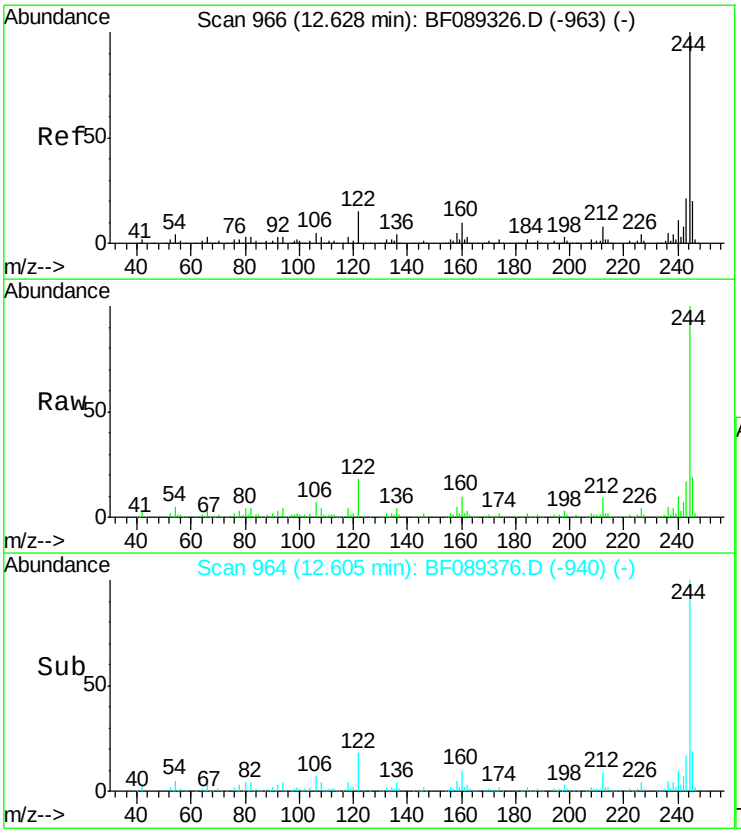
#77
Pyrene
Concen: 9.93 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:202 Resp: 69484

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.9	14.0	21.0

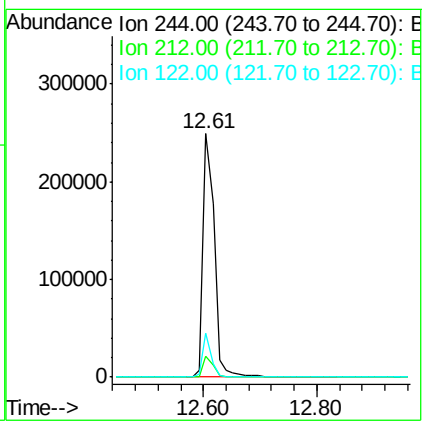


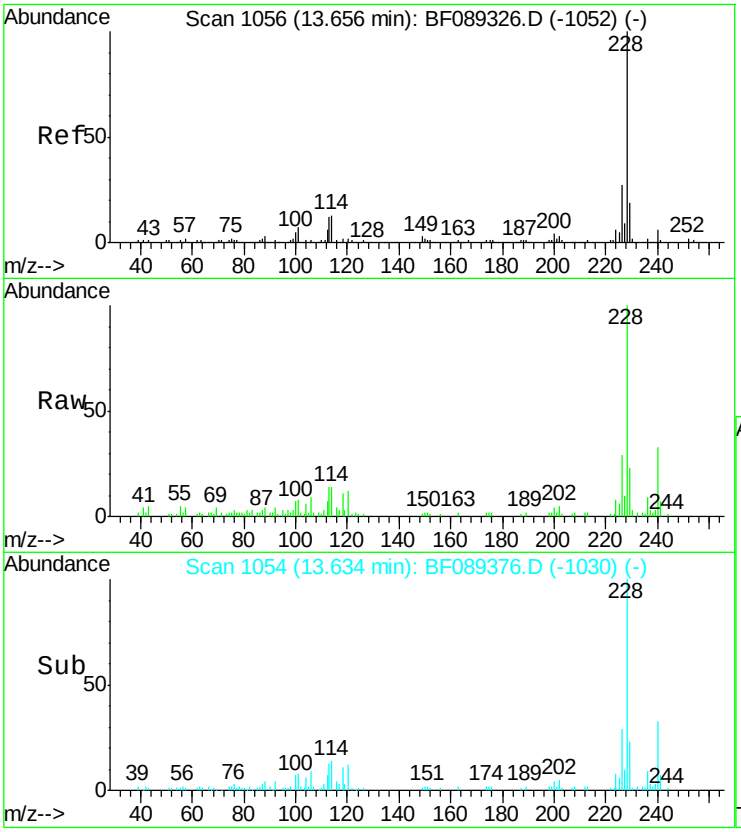


#78
Terphenyl-d14
Concen: 82.93 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:244 Resp: 327265

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	17.9	11.4	17.0#



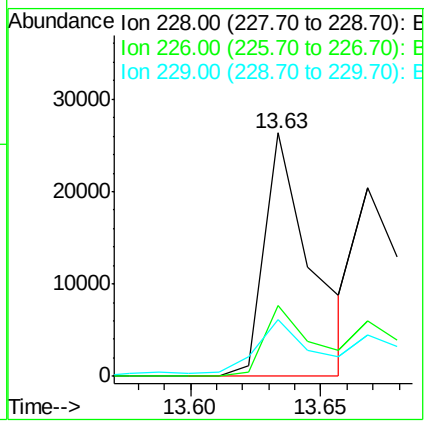


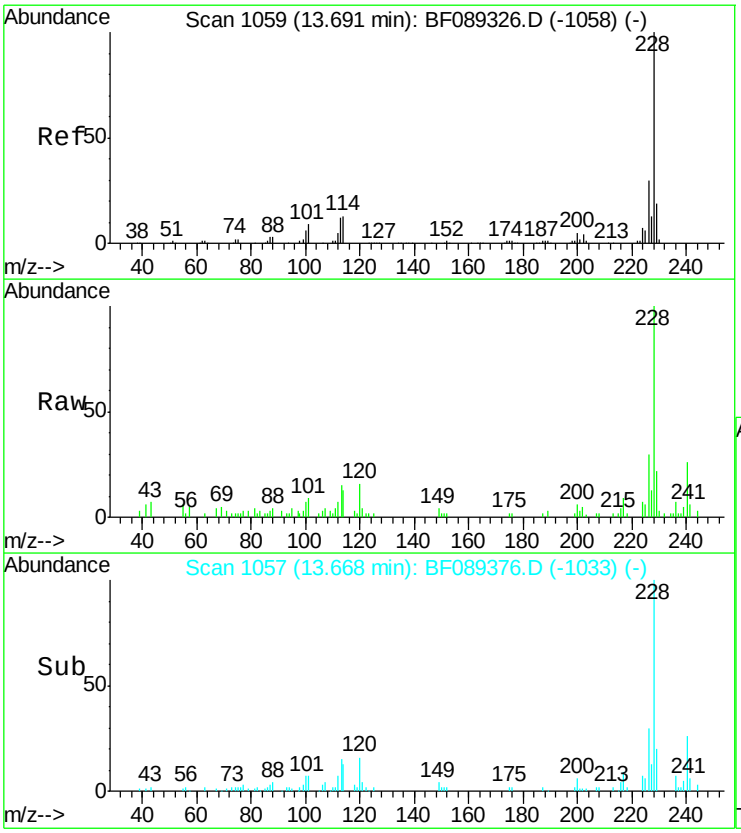
#80
Benzo(a)anthracene
Concen: 6.31 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:228 Resp: 32888

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.4	32.2
229	23.1	15.9	23.9

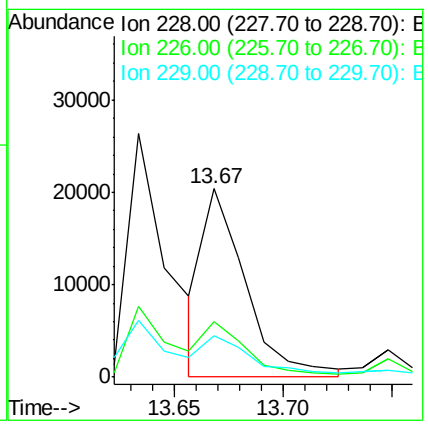


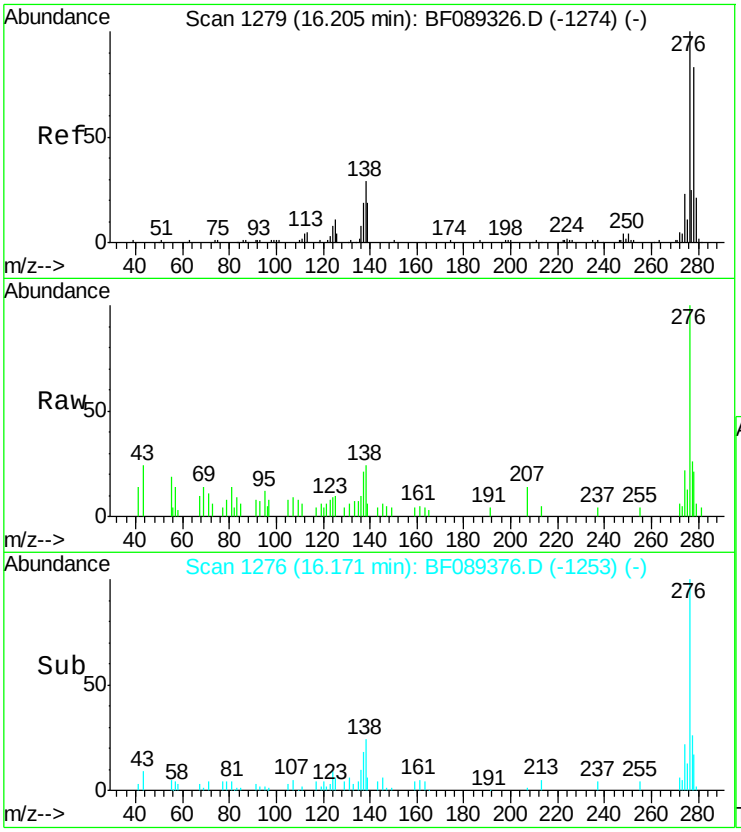


#82
Chrysene
Concen: 5.04 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:228 Resp: 27964

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	21.7	15.9	23.9



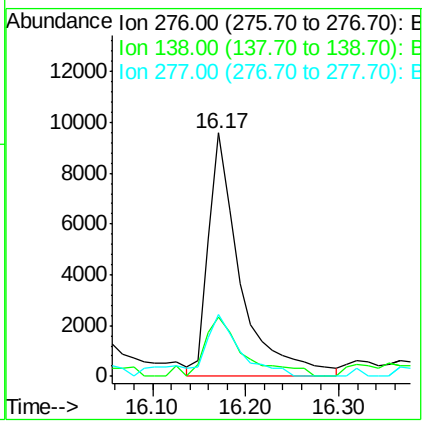


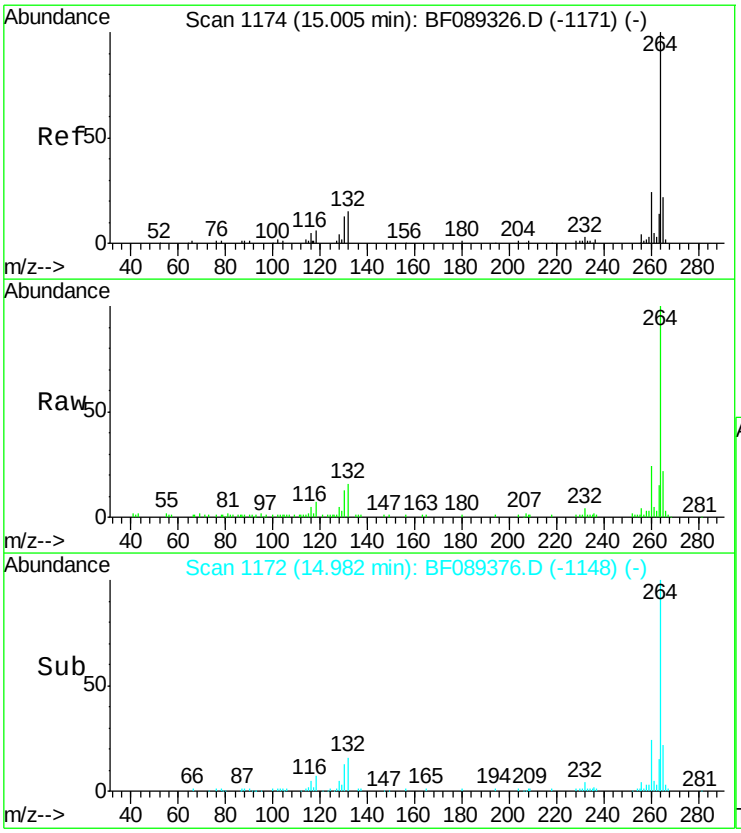
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.81 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:276 Resp: 22918

Ion	Ratio	Lower	Upper
276	100		
138	30.3	23.0	34.4
277	31.3	20.2	30.4#

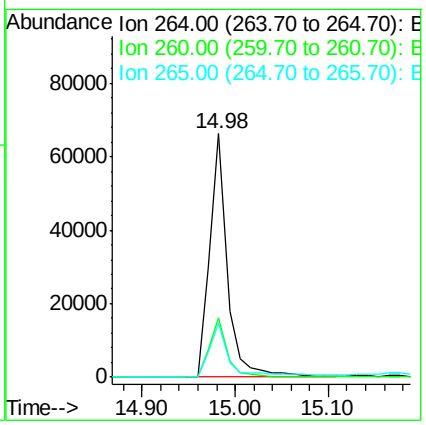


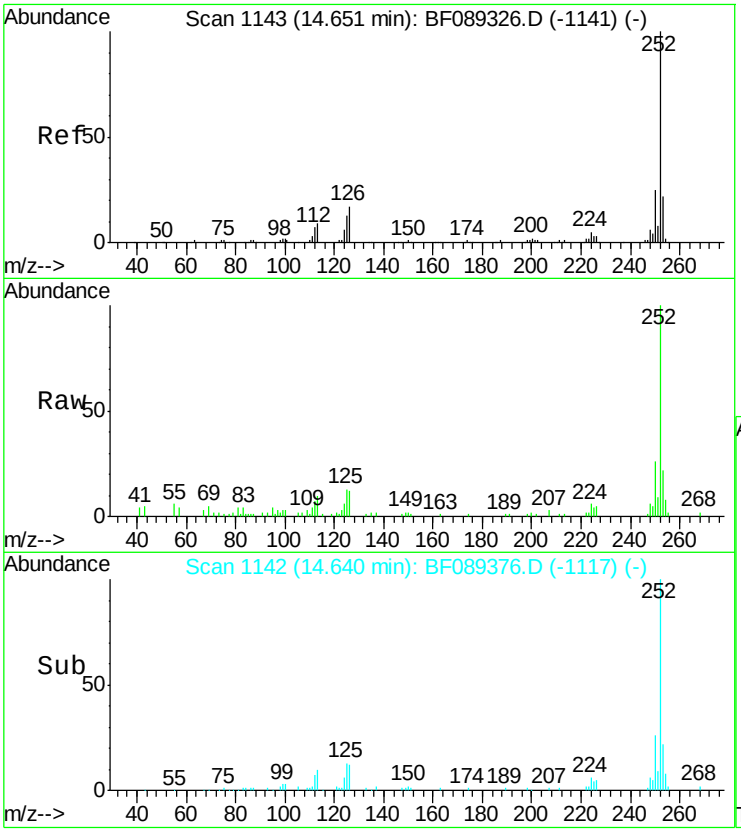


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:264 Resp: 87835

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	22.1	17.5	26.3



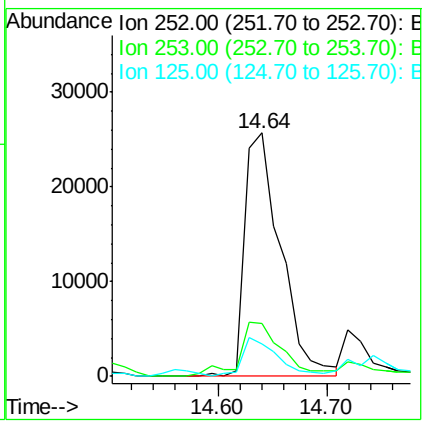


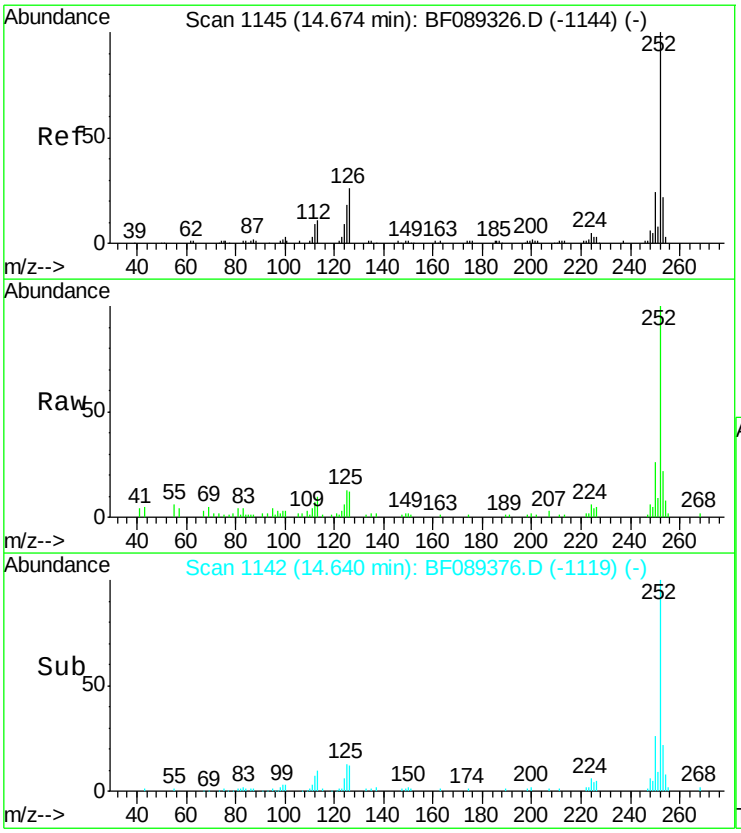
#87
Benzo(b)fluoranthene
Concen: 10.79 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:252 Resp: 58834

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	13.5	9.7	14.5

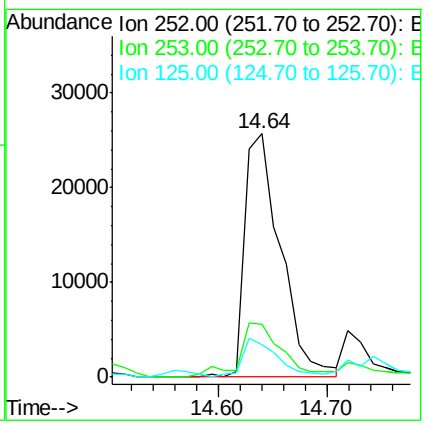


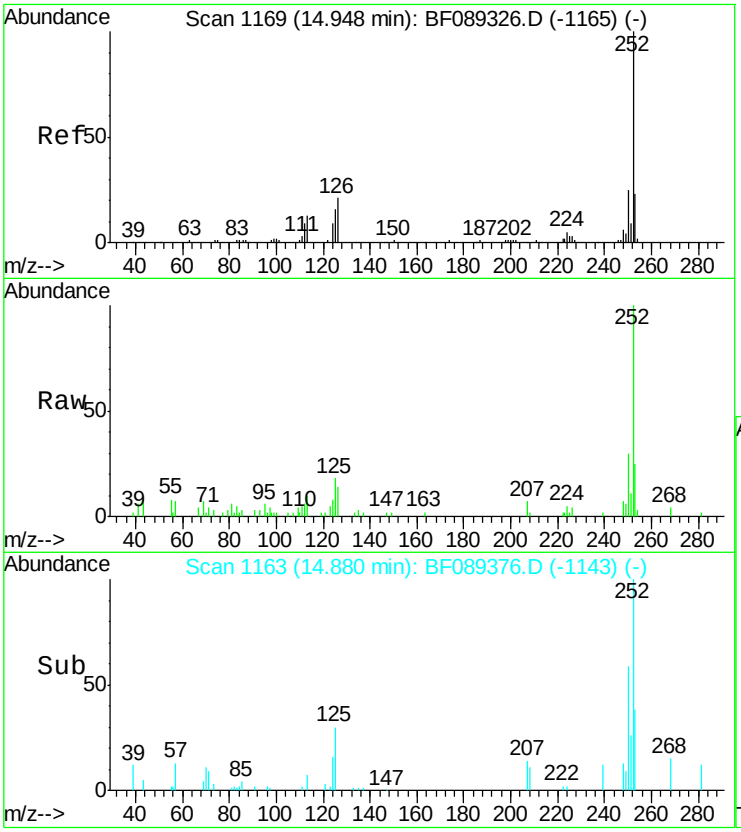


#88
Benzo(k)fluoranthene
Concen: 11.73 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:252 Resp: 58834

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	13.5	10.7	16.1



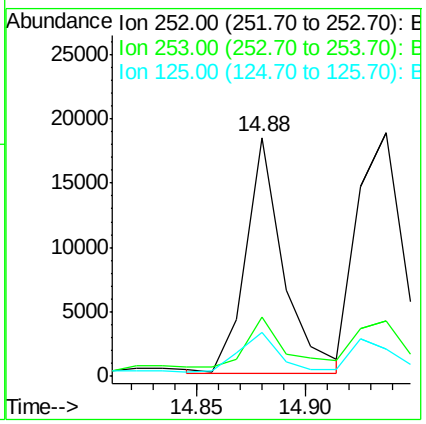


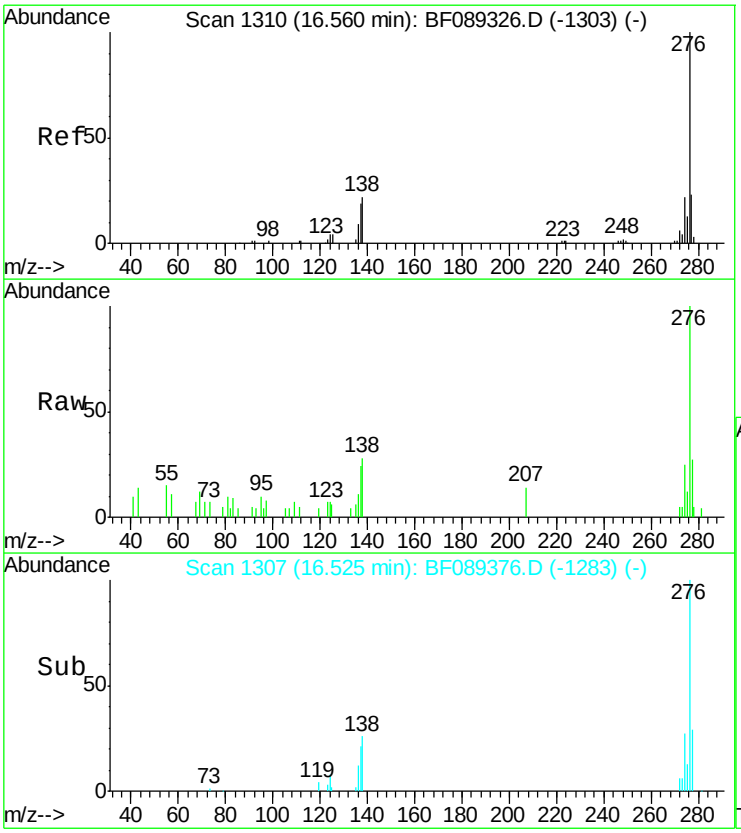
#89
Benzo(a)pyrene
Concen: 4.52 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.07 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:252 Resp: 22124

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	18.2	12.4	18.6





#91
Benzo(g,h,i)perylene
Concen: 6.04 ng
RT: 16.53 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:276 Resp: 22903

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	27.7	21.4	32.0