Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089501.D
Acq On : 1 Aug 2016 8:43
Operator : UM/SJ
Sample : H4215-02DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 01 13:54:52 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	6.49	152	33850	20.00	ng		-0.06
21) Naphthalene-d8	7.78	136	131482	20.00	ng		-0.05
38) Acenaphthene-d10	9.52	164	47640	20.00	ng		-0.06
63) Phenanthrene-d10	10.99	188	94127	20.00	ng		-0.06
75) Chrysene-d12	13.62	240	86819	20.00	ng		-0.05
86) Perylene-d12	14.95	264	66474	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.06	112	22884	10.79	ng		-0.05
7) Phenol-d6	6.16	99	32556	11.62	ng		-0.05
23) Nitrobenzene-d5	7.07	82	17020	7.64	ng		-0.05
41) 2,4,6-Tribromophenol	10.31	330	4038	10.23	ng		-0.06
44) 2-Fluorobiphenyl	8.86	172	29561	9.11	ng		-0.06
78) Terphenyl-d14	12.58	244	24277	6.54	ng		-0.05
Target Compounds							Qvalue
2) 1,4-Dioxane	1.67	88	66220	71.73	ng	#	26
25) Isophorone	7.07	82	15261	3.40	ng	#	67
31) Naphthalene	7.80	128	32949	5.06	ng		99
37) 2-Methylnaphthalene	8.49	142	12789	3.26	ng		94
48) Acenaphthylene	9.38	152	15094	3.15	ng	#	97
49) Dimethylphthalate	9.27	163	8281	2.28	ng	#	96
50) 2,6-Dinitrotoluene	9.52	165	6432	8.63	ng	#	24
51) Acenaphthene	9.55	154	22416	8.00	ng		98
54) Dibenzofuran	9.74	168	21162	5.54	ng	#	94
55) 4-Nitrophenol	9.74	139	8419	26.47	ng	#	4
57) Fluorene	10.07	166	32013	9.60	ng		98
70) Phenanthrene	11.02	178	114074	23.50	ng		99
71) Anthracene	11.07	178	45747	8.48	ng		99
74) Fluoranthene	12.20	202	178649	34.98	ng		98
77) Pyrene	12.42	202	161671	24.57	ng		98
80) Benzo(a)anthracene	13.61	228	99813	20.37	ng		95
82) Chrysene	13.61	228	99813	19.14	ng		99
85) Indeno(1,2,3-cd)pyrene	16.13	276	30070	8.11	ng	#	90
87) Benzo(b)fluoranthene	14.61	252	110300	26.72	ng	#	96
88) Benzo(k)fluoranthene	14.61	252	109711	28.91	ng		98
89) Benzo(a)pyrene	14.90	252	53985	14.58	ng		96
90) Dibenzo(a,h)anthracene	16.14	278	11424	3.92	ng	#	87
91) Benzo(g,h,i)perylene	16.48	276	25610	8.93	ng		97

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

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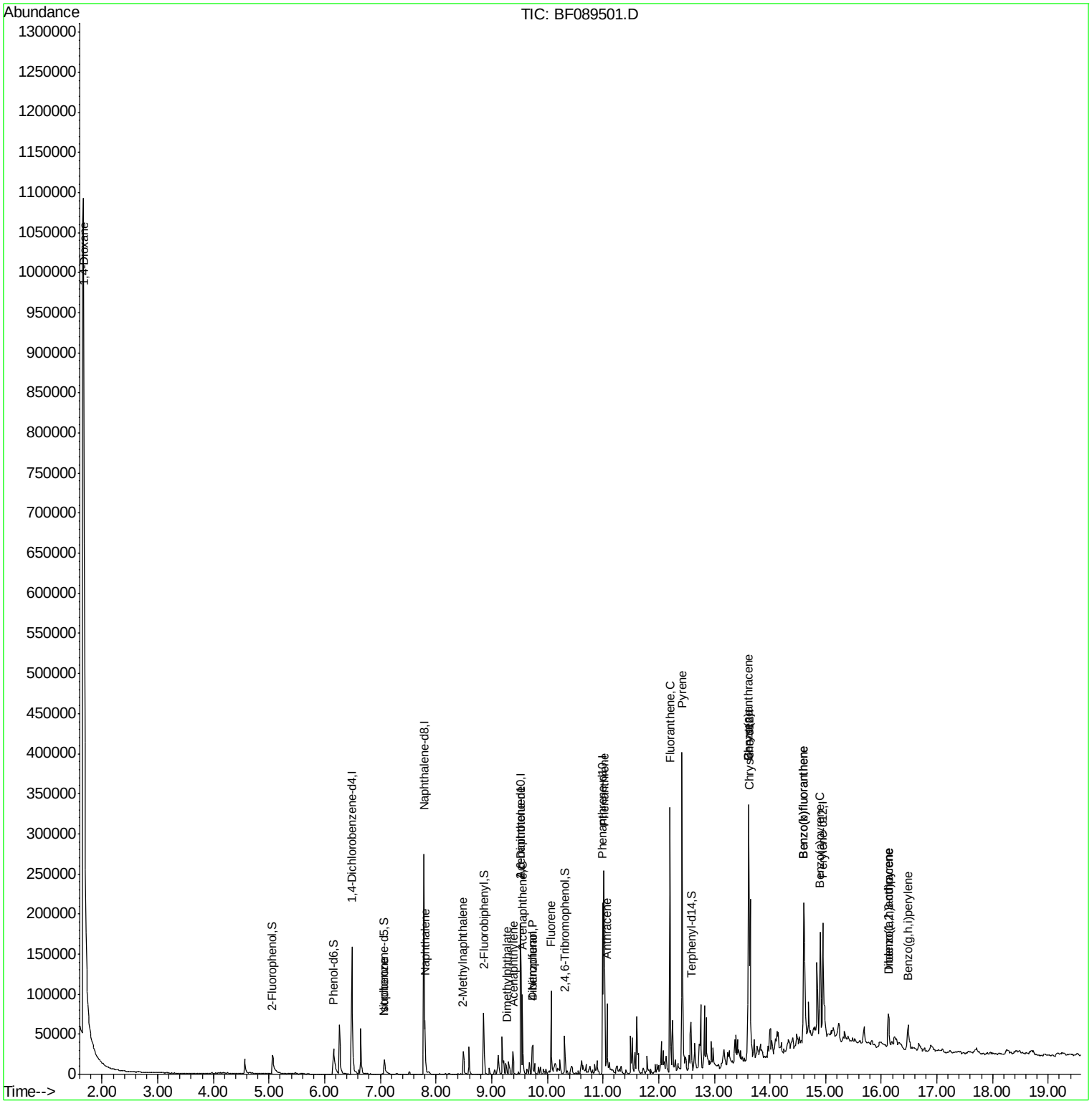
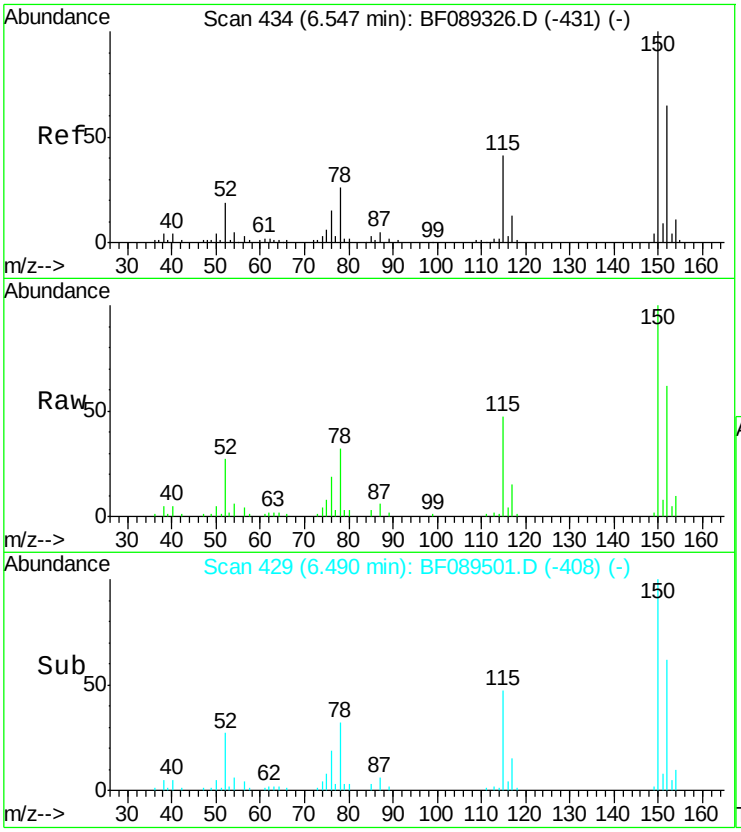


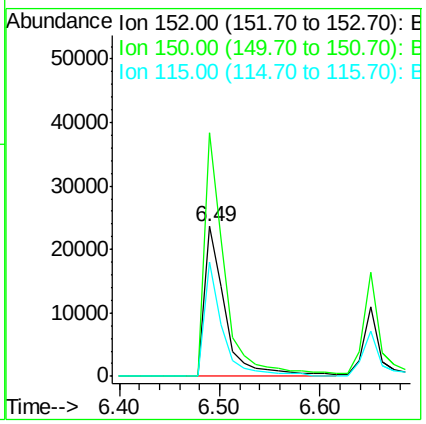


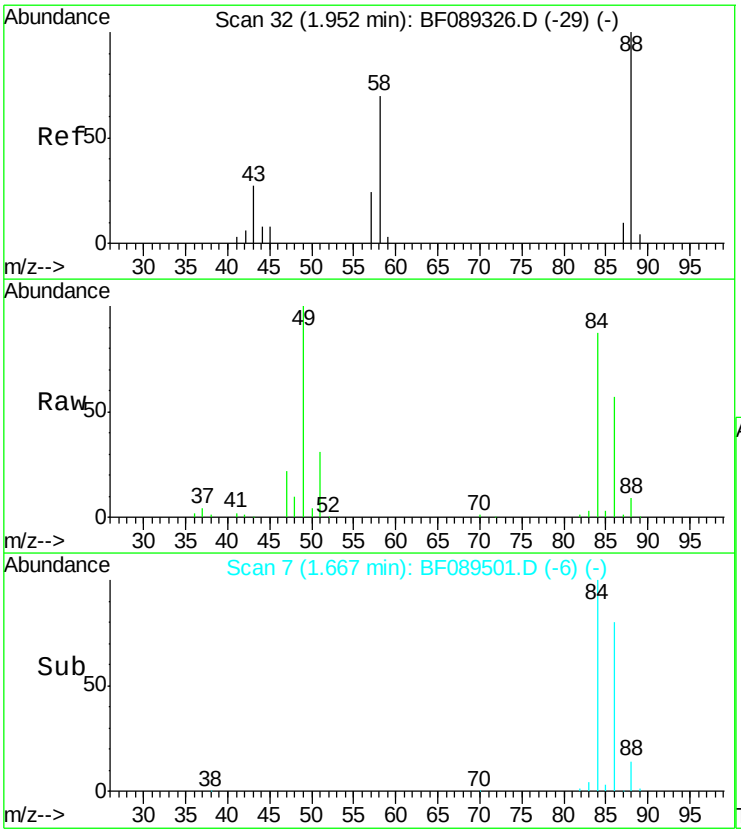
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 33850

Ion	Ratio	Lower	Upper
152	100		
150	162.2	129.5	194.3
115	75.8	51.4	77.2

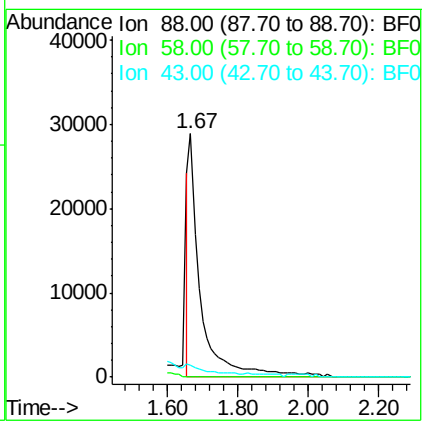


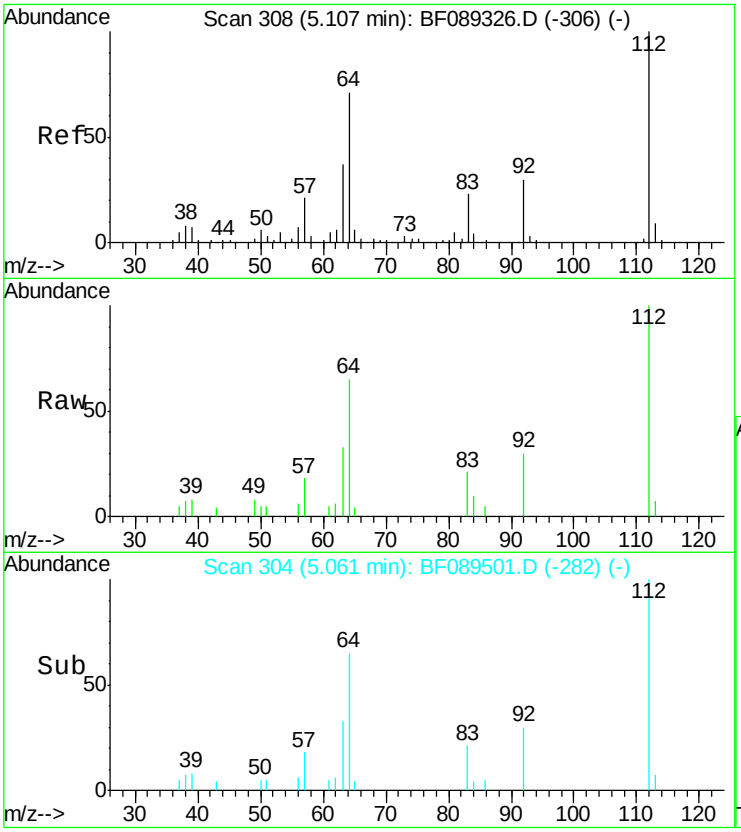


#2
1,4-Dioxane
Concen: 71.73 ng
RT: 1.67 min Scan# 7
Delta R.T. -0.29 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion: 88 Resp: 66220

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



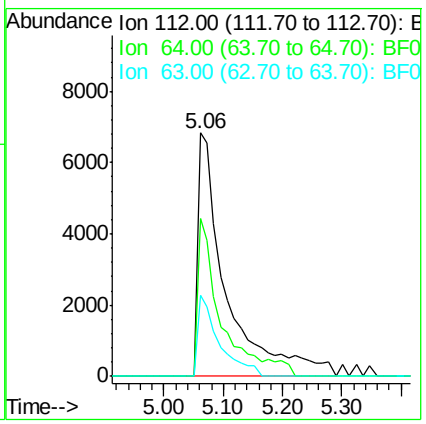


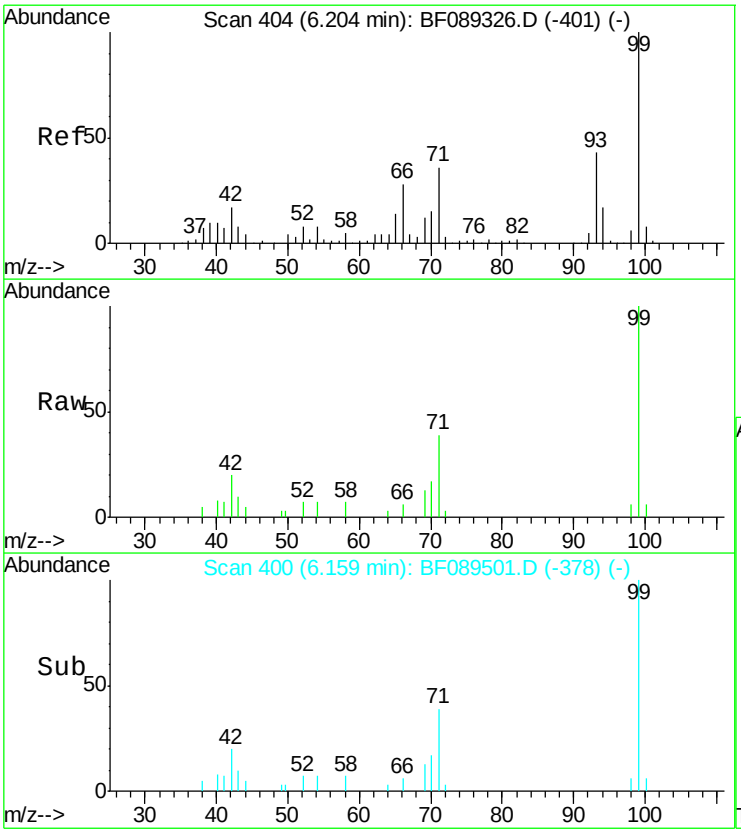
#5
2-Fluorophenol
Concen: 10.79 ng
RT: 5.06 min Scan# 304
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 22884

Ion	Ratio	Lower	Upper
112	100		
64	65.0	55.0	82.6
63	33.3	29.4	44.2

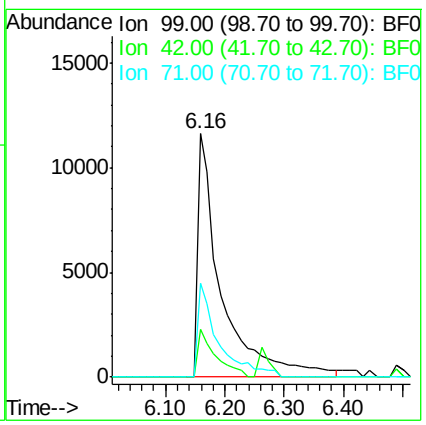


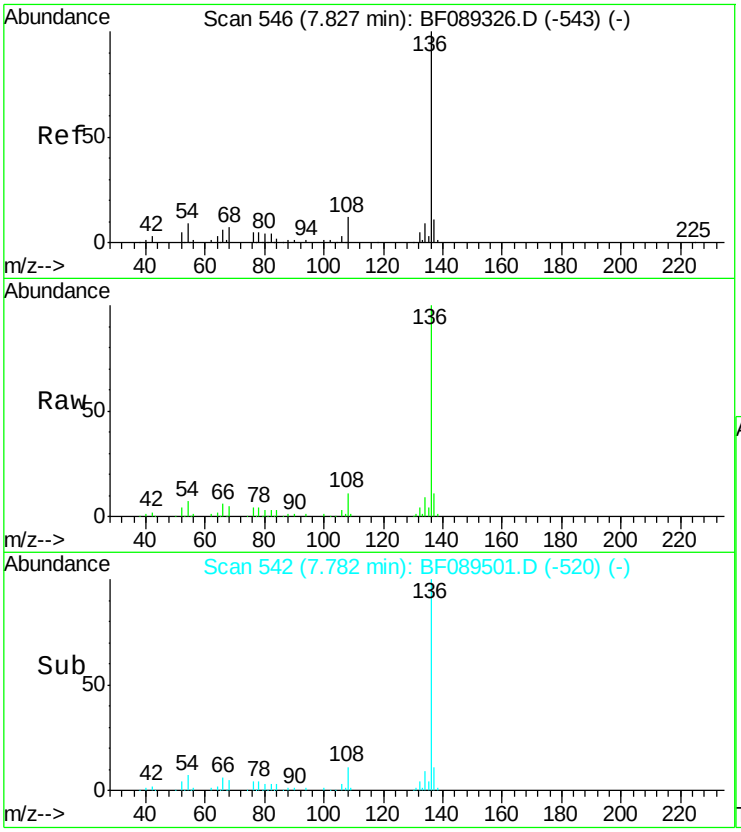


#7
Phenol-d6
Concen: 11.62 ng
RT: 6.16 min Scan# 400
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion: 99 Resp: 32556

Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.6	20.4
71	38.7	29.4	44.2



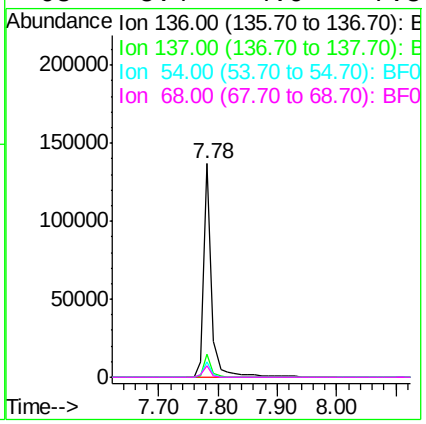


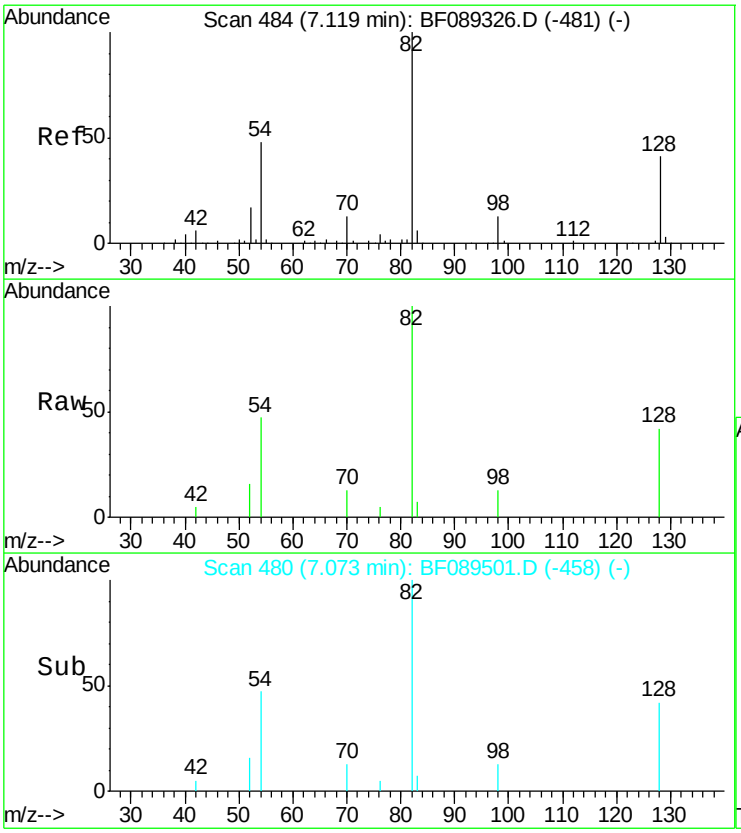
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 131482

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.3	7.0	10.4
68	5.4	4.9	7.3

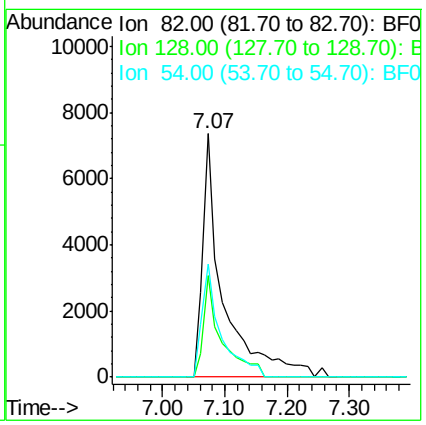


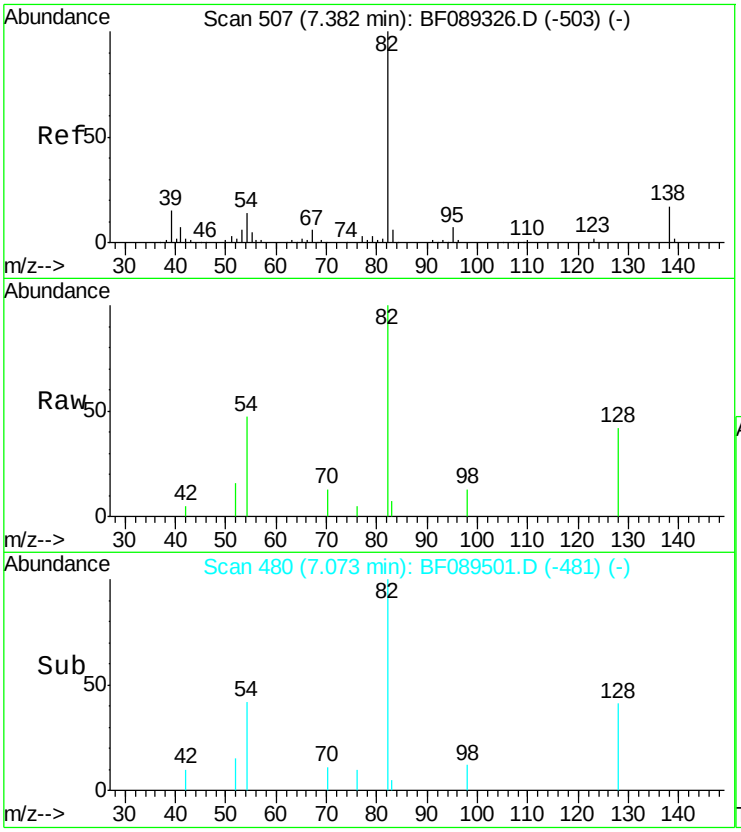


#23
Nitrobenzene-d5
Concen: 7.64 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion: 82 Resp: 17020

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.5	48.7
54	46.7	38.8	58.2



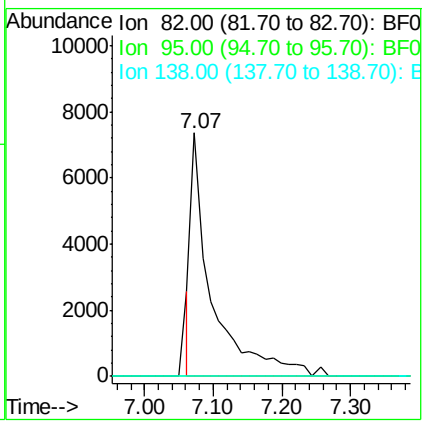


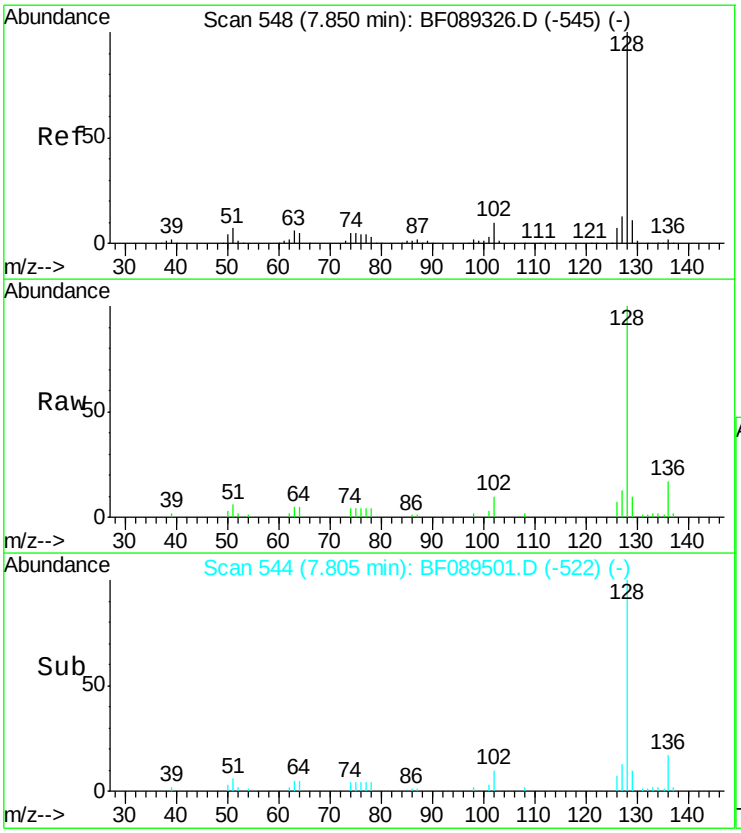
#25
Isophorone
Concen: 3.40 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.31 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 15261

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

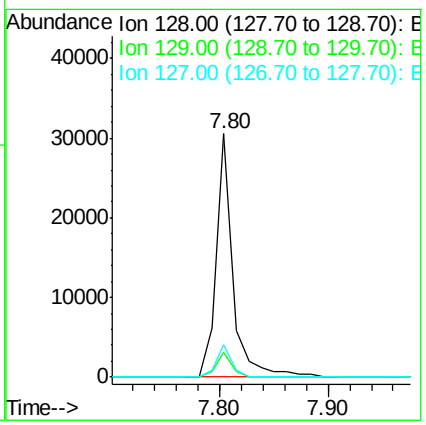


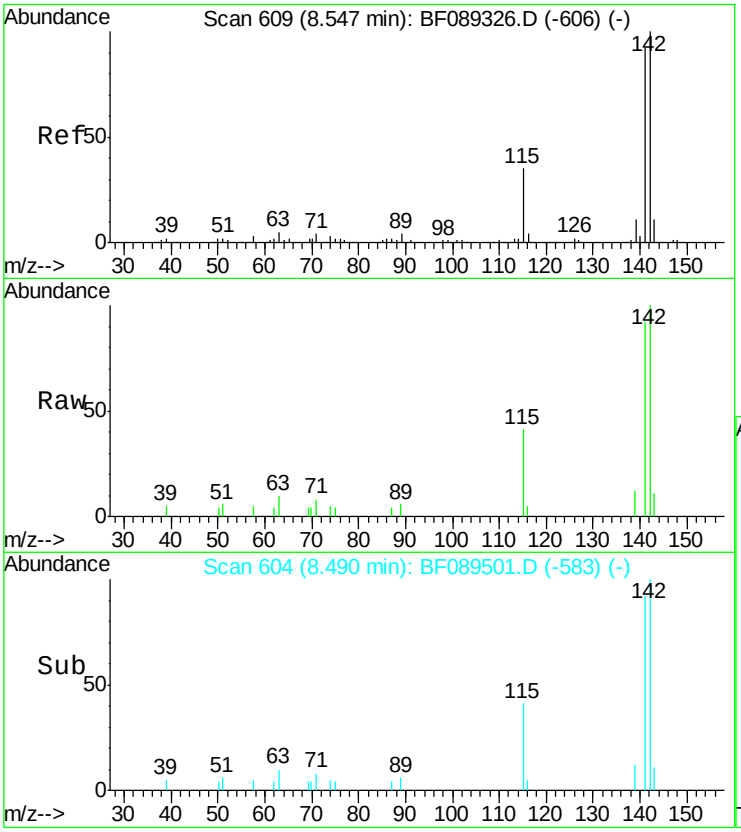


#31
Naphthalene
Concen: 5.06 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:128 Resp: 32949

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	13.2	10.8	16.2



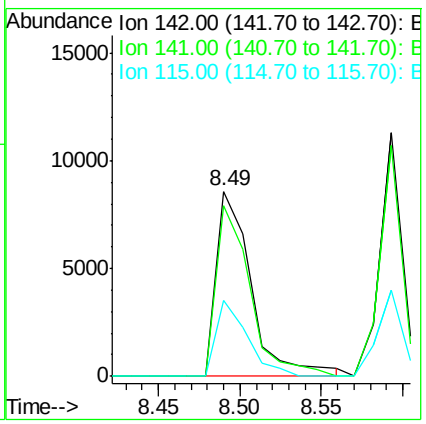


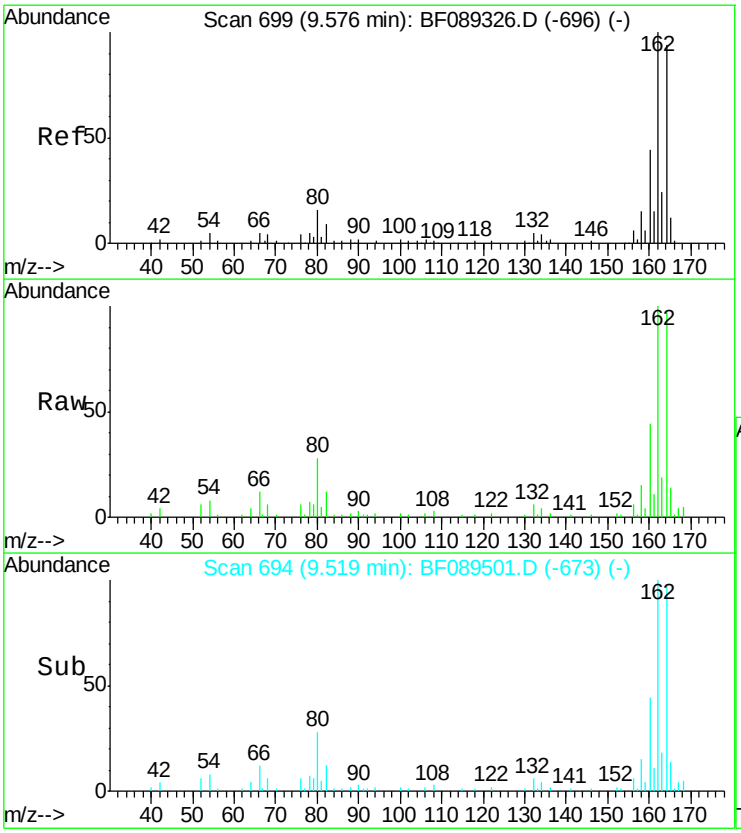
#37
2-Methylnaphthalene
Concen: 3.26 ng
RT: 8.49 min Scan# 604
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 12789

Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.9	106.3
115	41.2	27.6	41.4

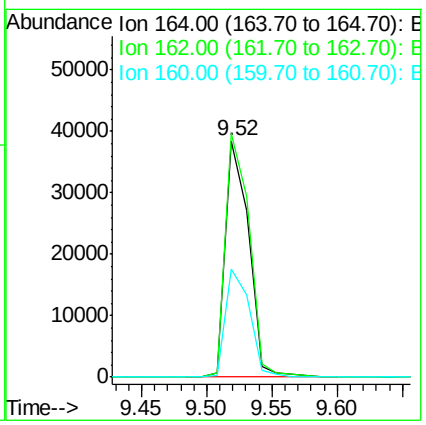


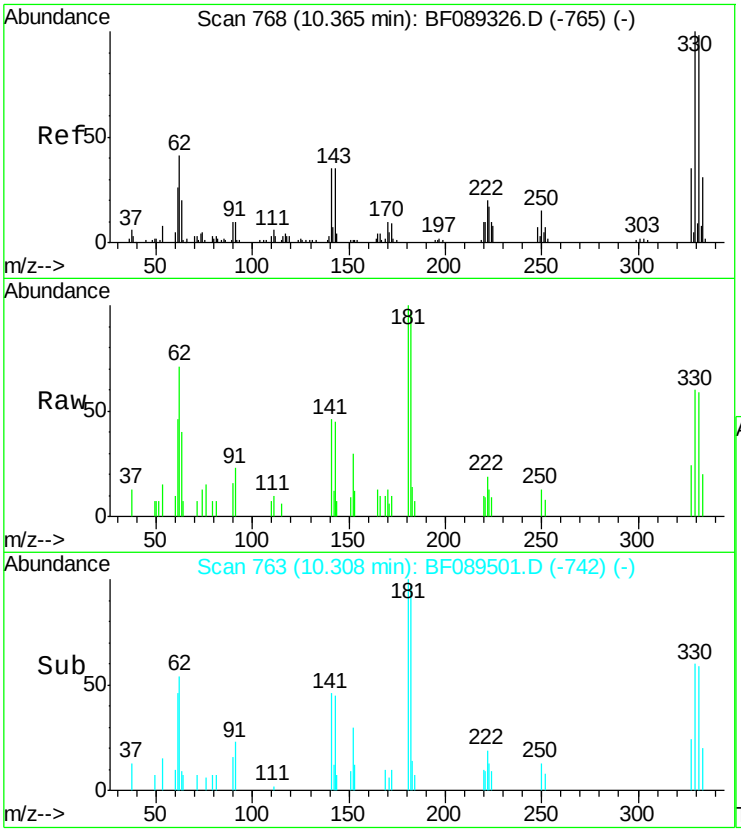


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:164 Resp: 47640

Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.7	125.5
160	45.5	37.8	56.6



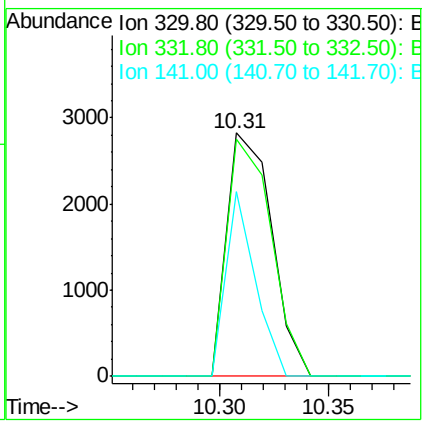


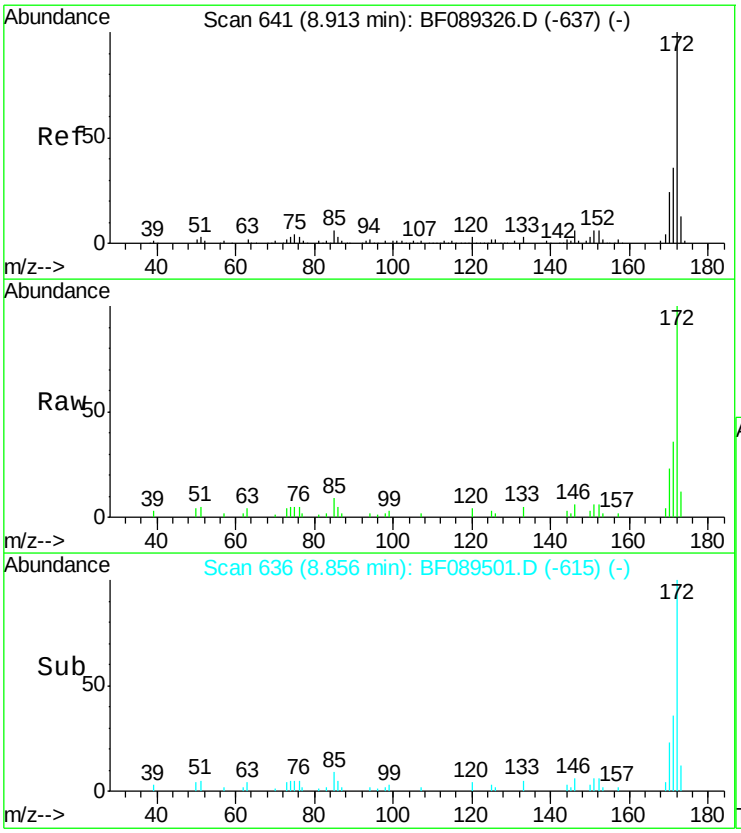
#41
2,4,6-Tribromophenol
Concen: 10.23 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 4038

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	49.4	37.3	55.9

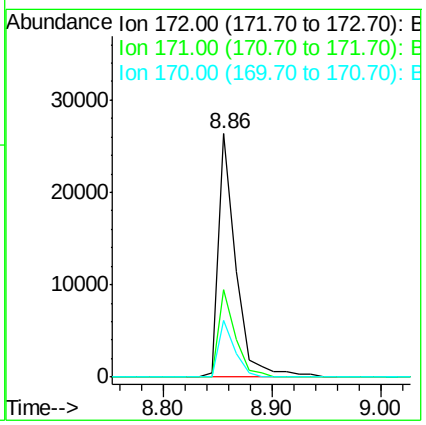


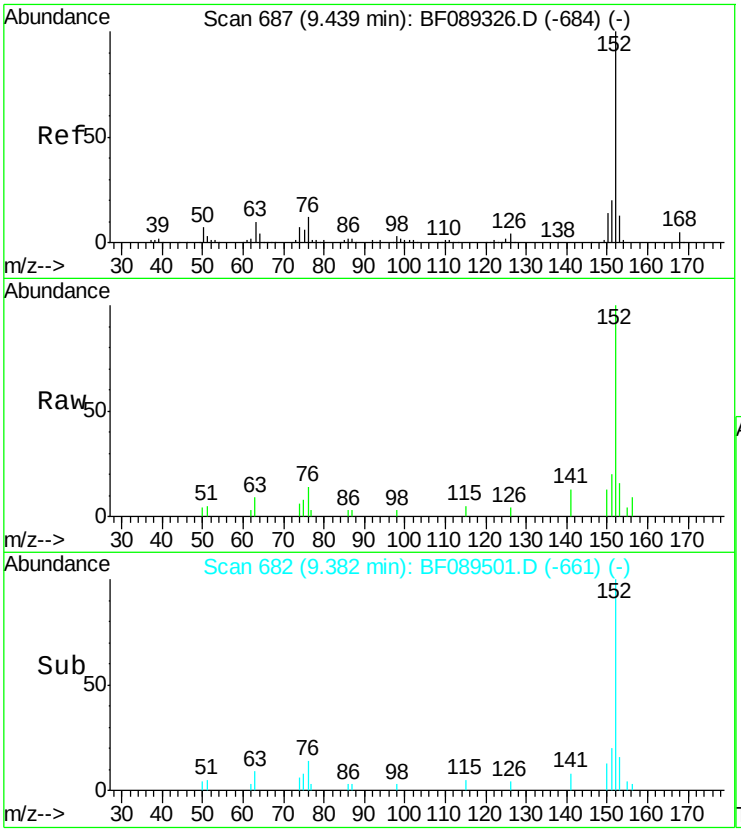


#44
2-Fluorobiphenyl
Concen: 9.11 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:172 Resp: 29561

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	23.2	19.2	28.8



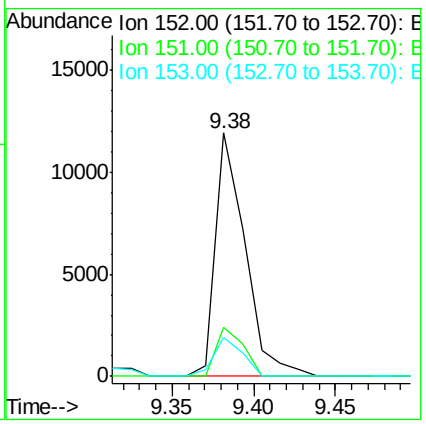


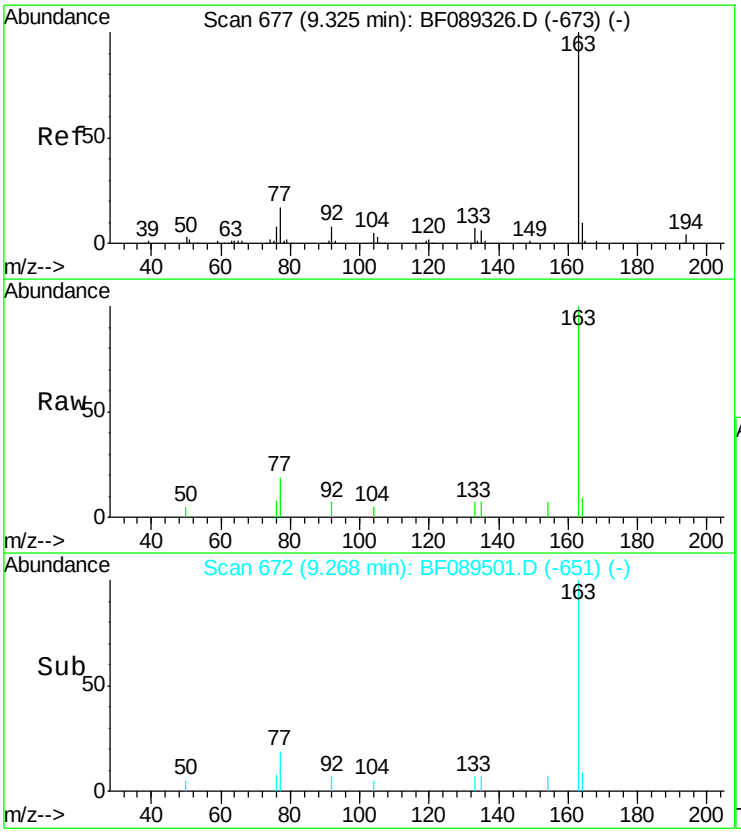
#48
Acenaphthylene
Concen: 3.15 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 15094

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	15.9	10.2	15.4#

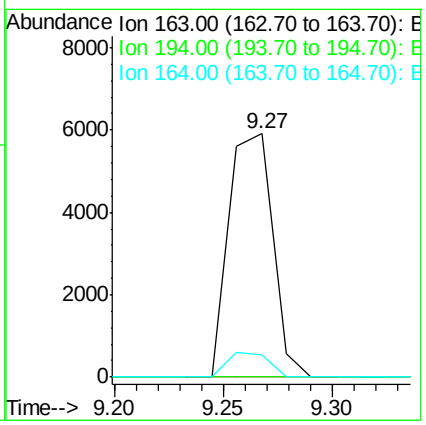


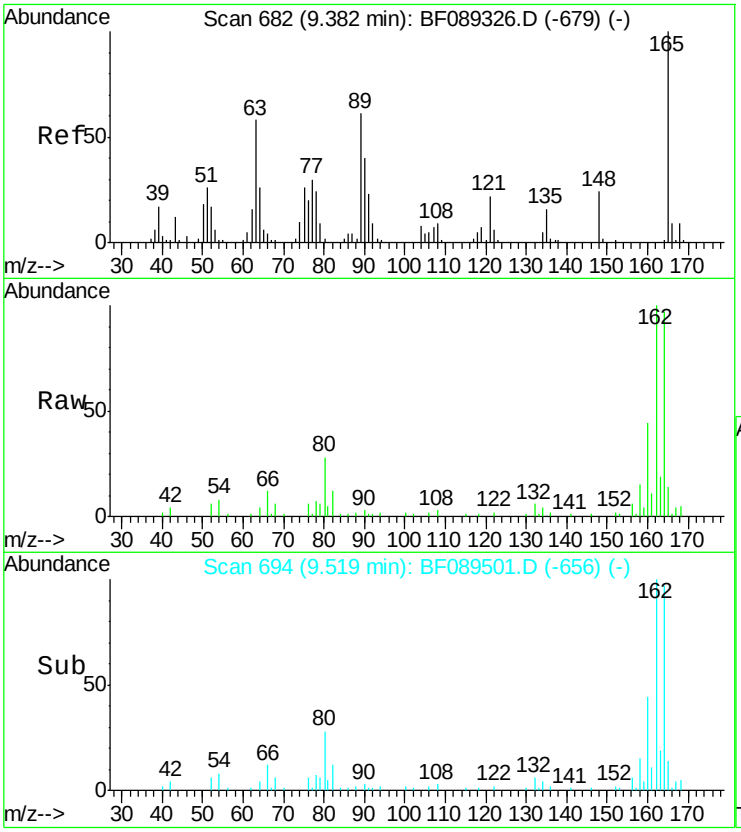


#49
Dimethylphthalate
Concen: 2.28 ng
RT: 9.27 min Scan# 672
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:163 Resp: 8281

Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.8	4.2#
164	9.1	7.8	11.8



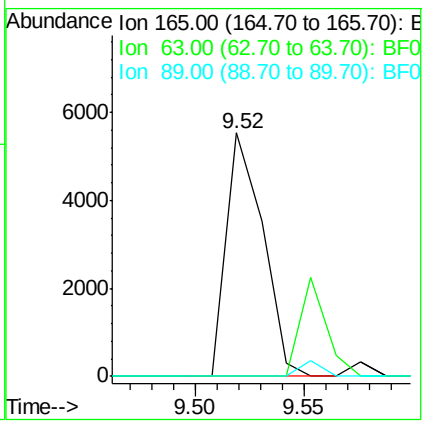


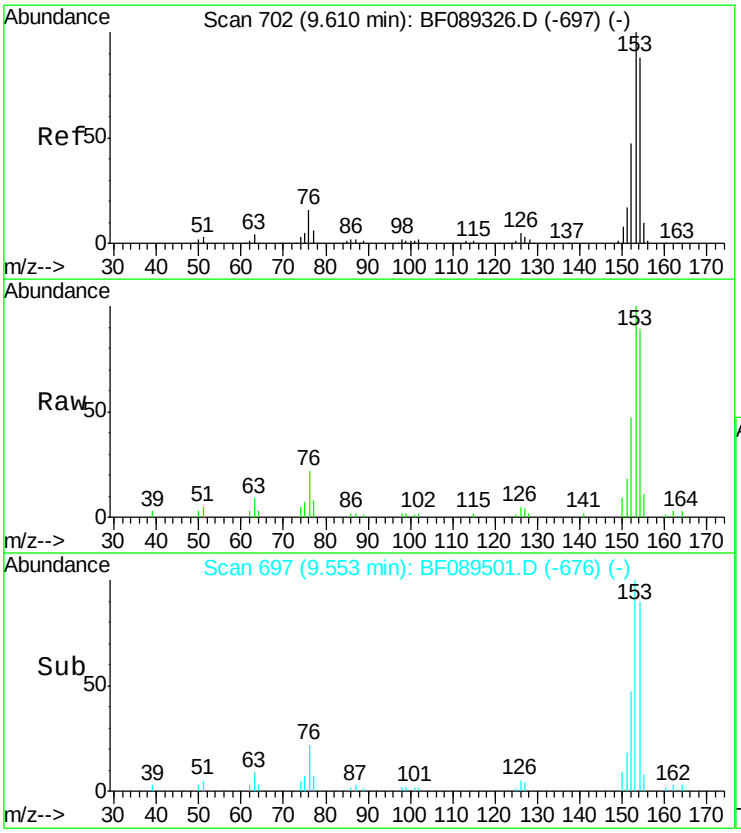
#50
2,6-Dinitrotoluene
Concen: 8.63 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.14 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 6432

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

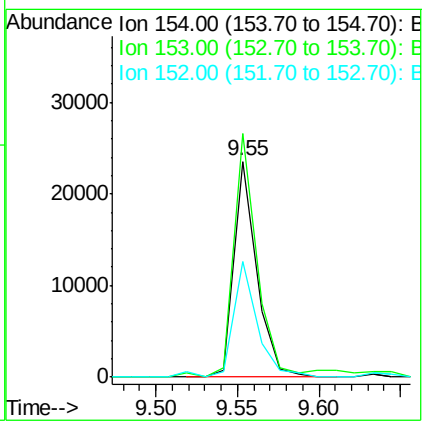


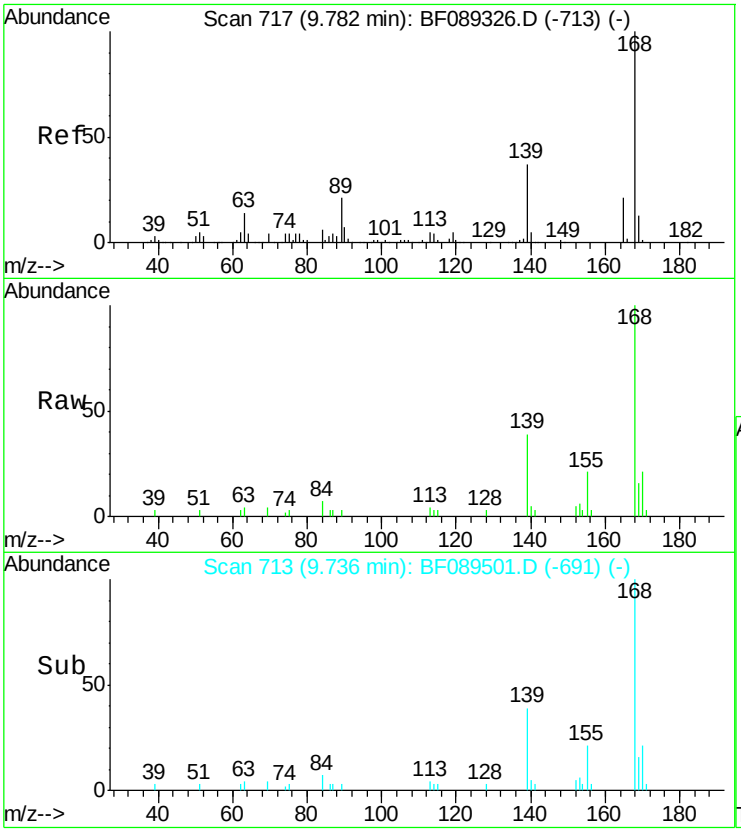


#51
Acenaphthene
Concen: 8.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:154 Resp: 22416

Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.4	137.2
152	53.2	43.8	65.6



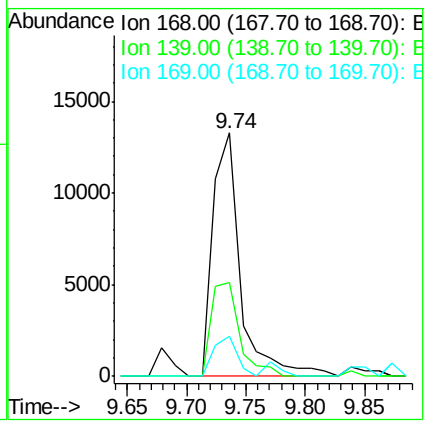


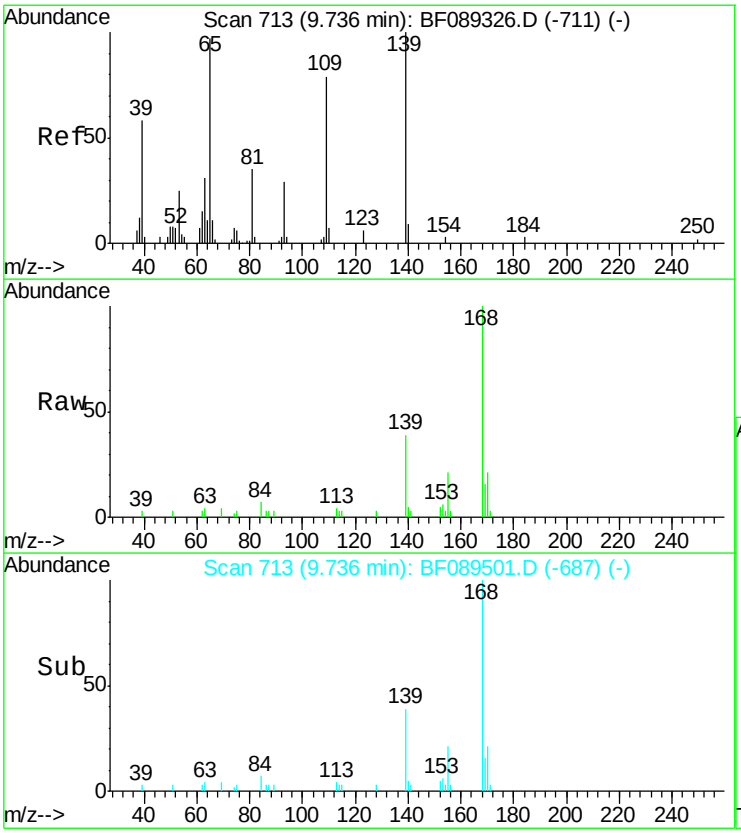
#54
Dibenzofuran
Concen: 5.54 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 21162

Ion	Ratio	Lower	Upper
168	100		
139	38.6	33.7	50.5
169	16.4	10.7	16.1#

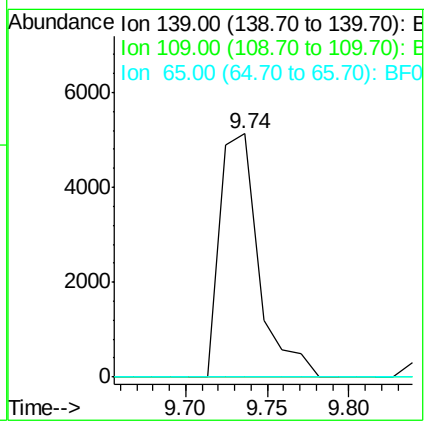


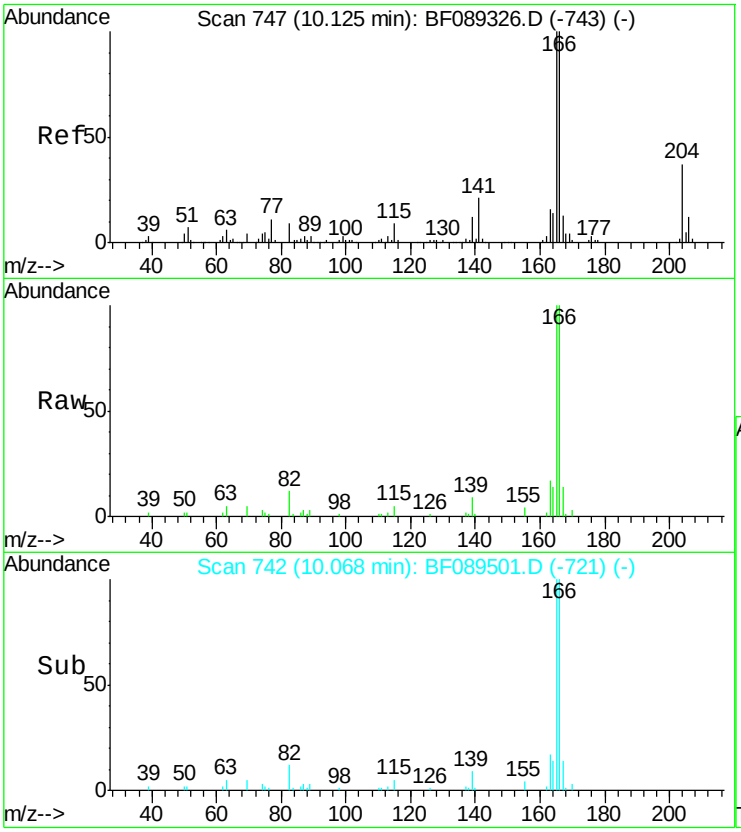


#55
4-Nitrophenol
Concen: 26.47 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:139 Resp: 8419

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



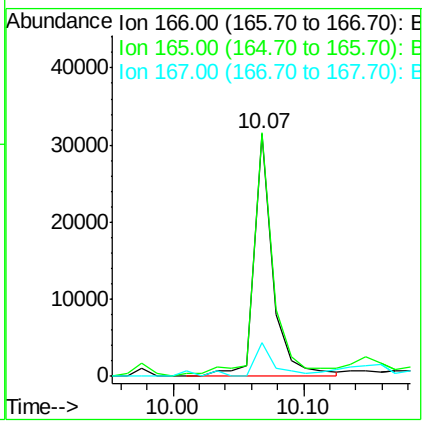


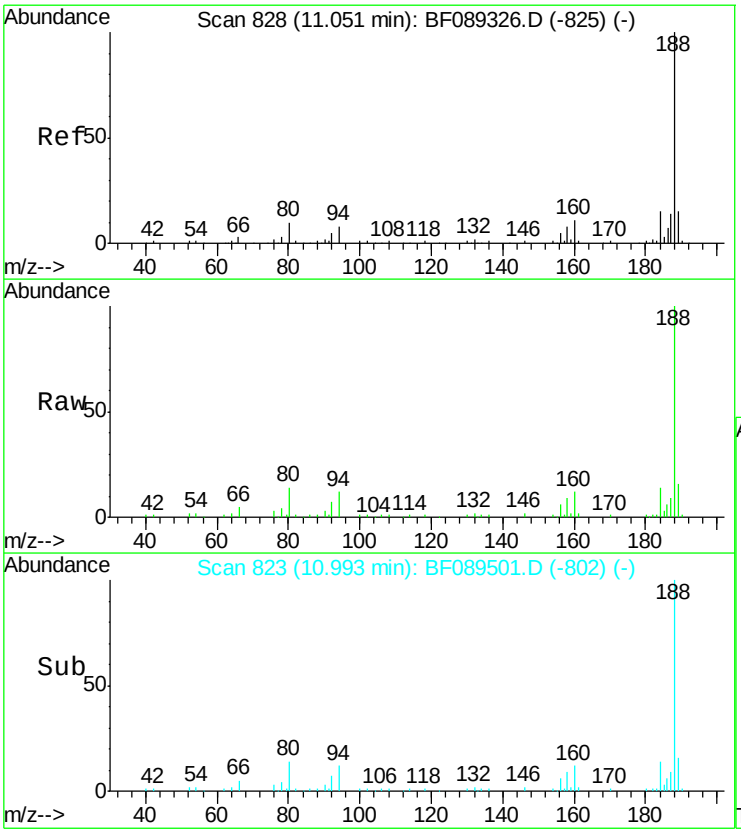
#57
Fluorene
Concen: 9.60 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 32013

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.0	118.4
167	14.0	10.2	15.2

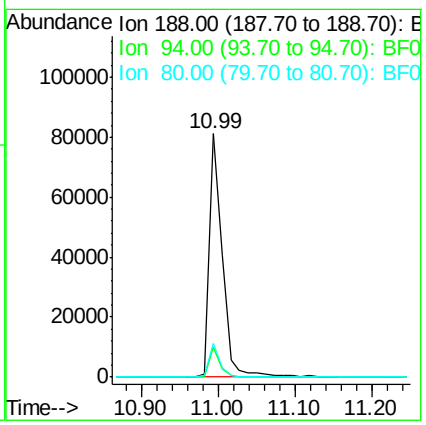


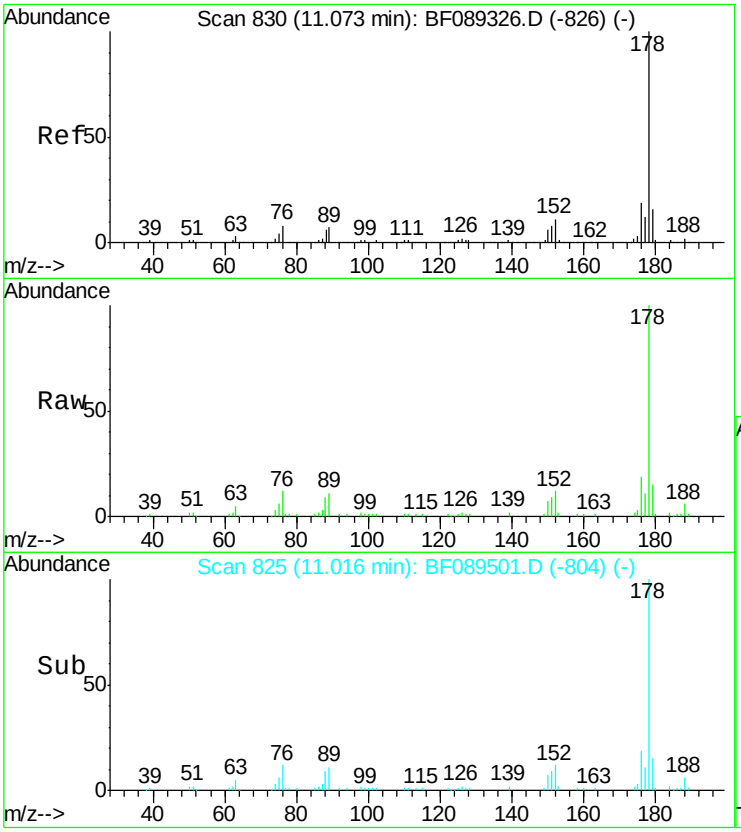


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:188 Resp: 94127

Ion	Ratio	Lower	Upper
188	100		
94	12.4	6.5	9.7#
80	13.7	7.2	10.8#



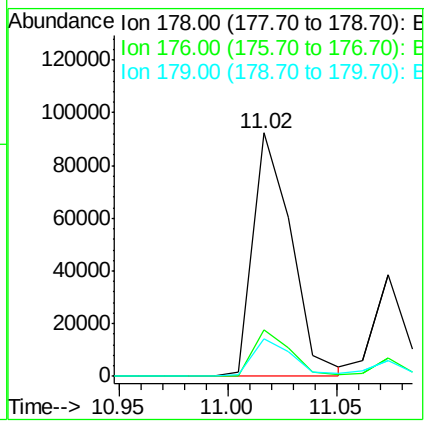


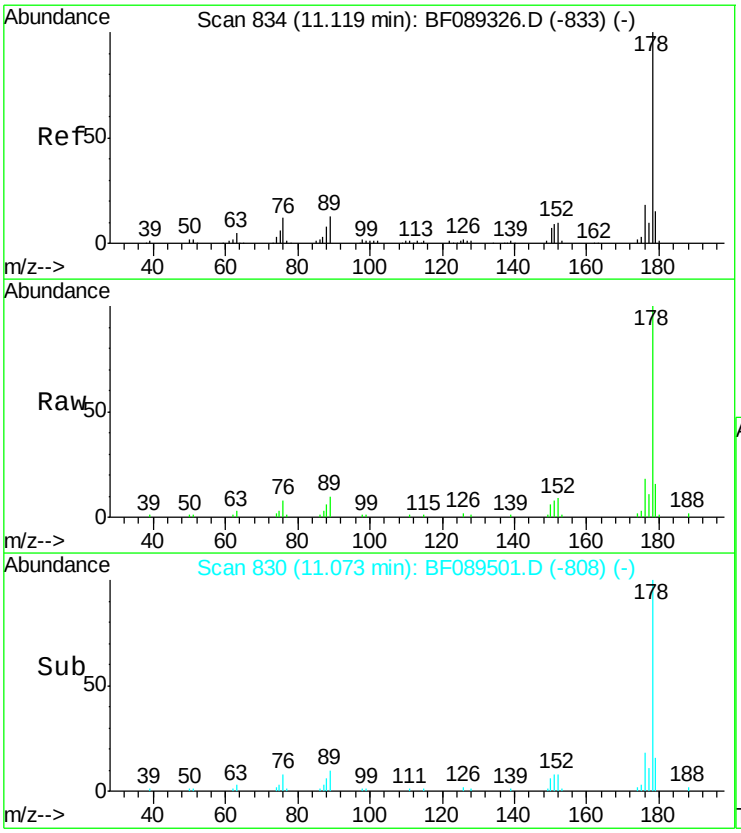
#70
Phenanthrene
Concen: 23.50 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 114074

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.2	12.3	18.5

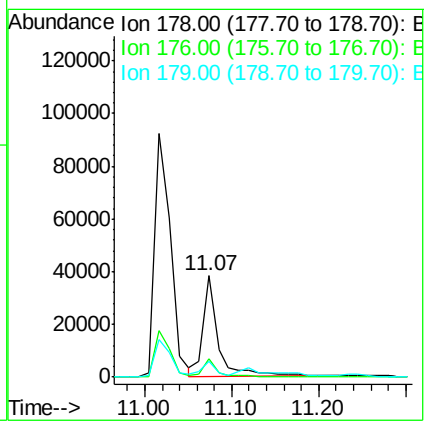


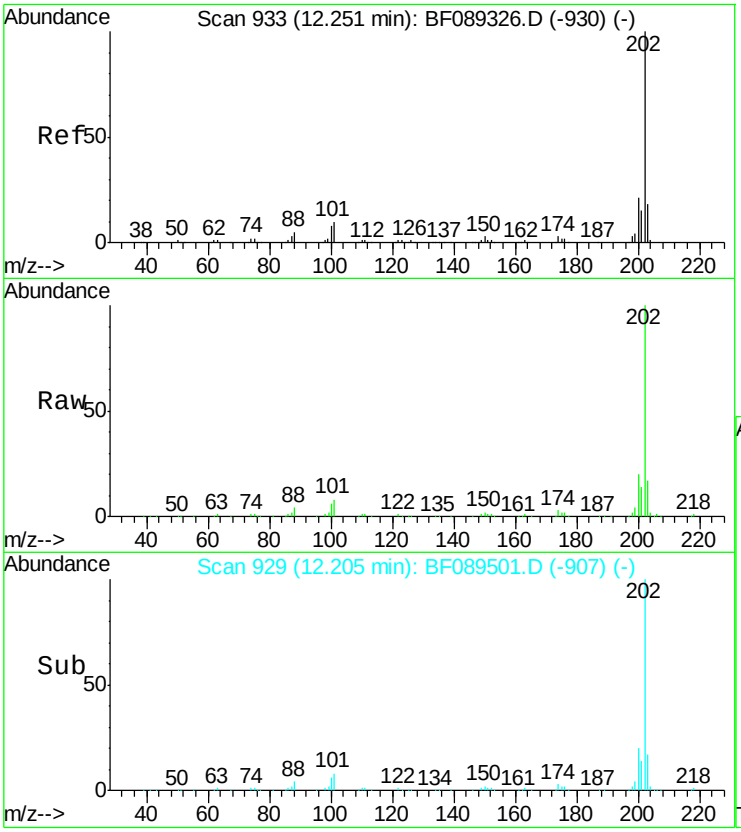


#71
Anthracene
Concen: 8.48 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:178 Resp: 45747

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	16.2	12.6	18.8



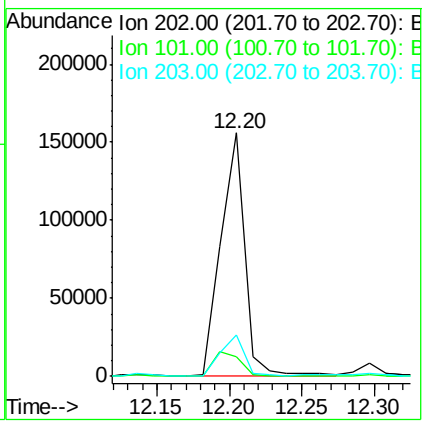


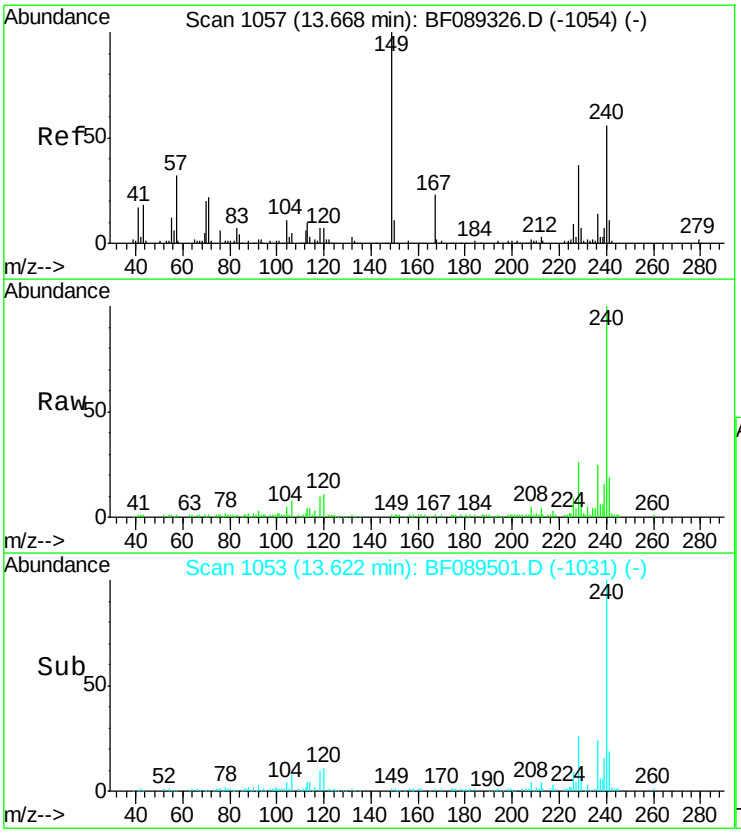
#74
Fluoranthene
Concen: 34.98 ng
RT: 12.20 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 178649

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.9
203	16.7	0.0	37.3

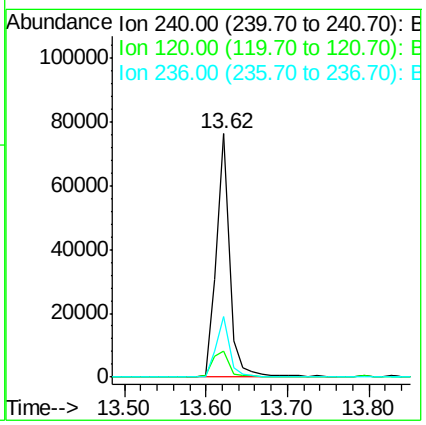


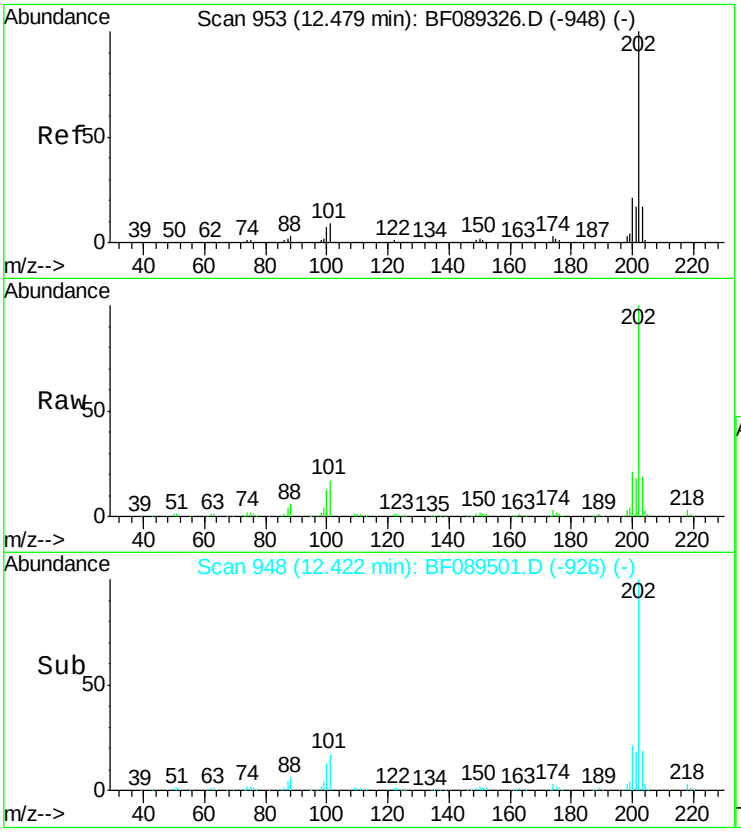


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:240 Resp: 86819

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.1	13.7
236	25.1	20.6	30.8

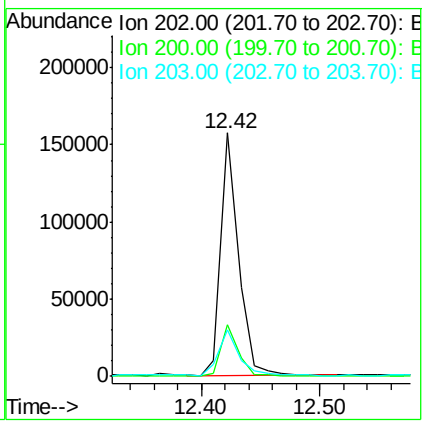




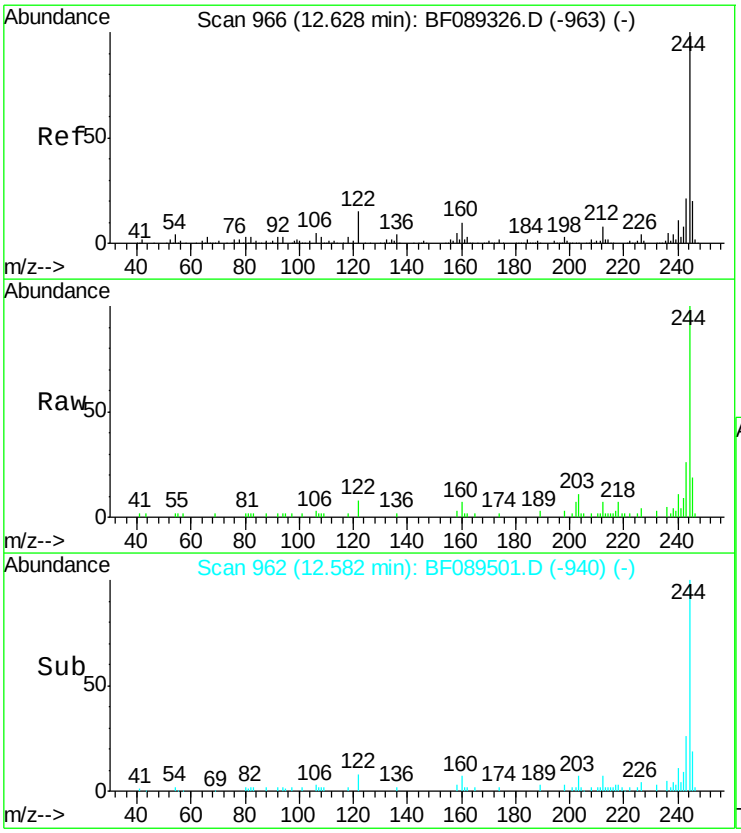
#77
Pyrene
Concen: 24.57 ng
RT: 12.42 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:202 Resp: 161671

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	19.3	14.0	21.0



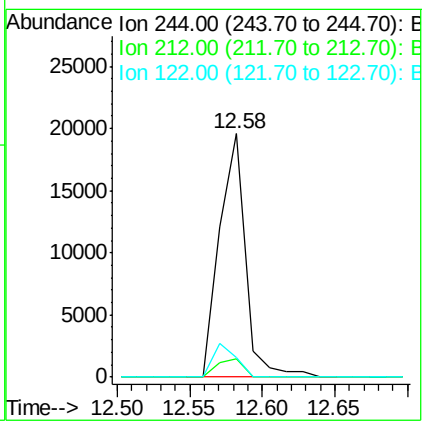
Instrument :
BNA_F
ClientSampleId :

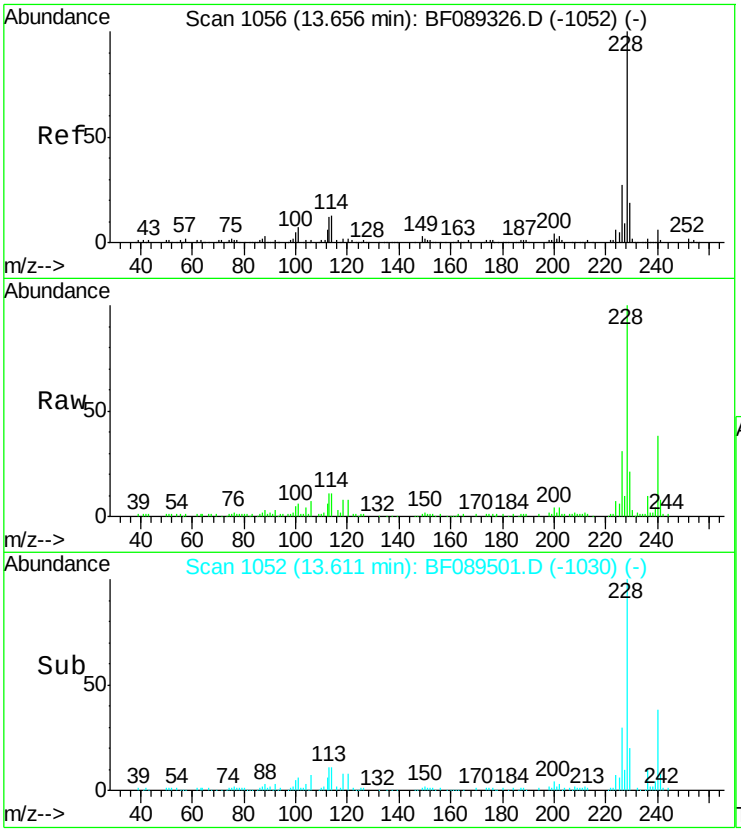


#78
Terphenyl-d14
Concen: 6.54 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:244 Resp: 24277

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	8.3	11.4	17.0#



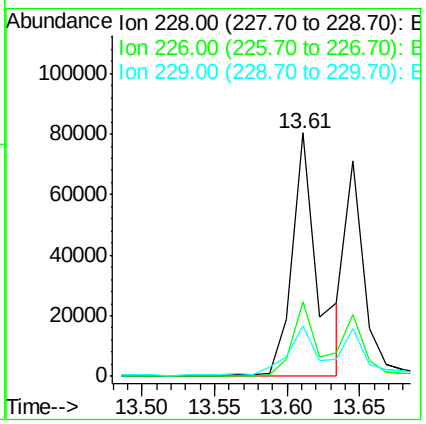


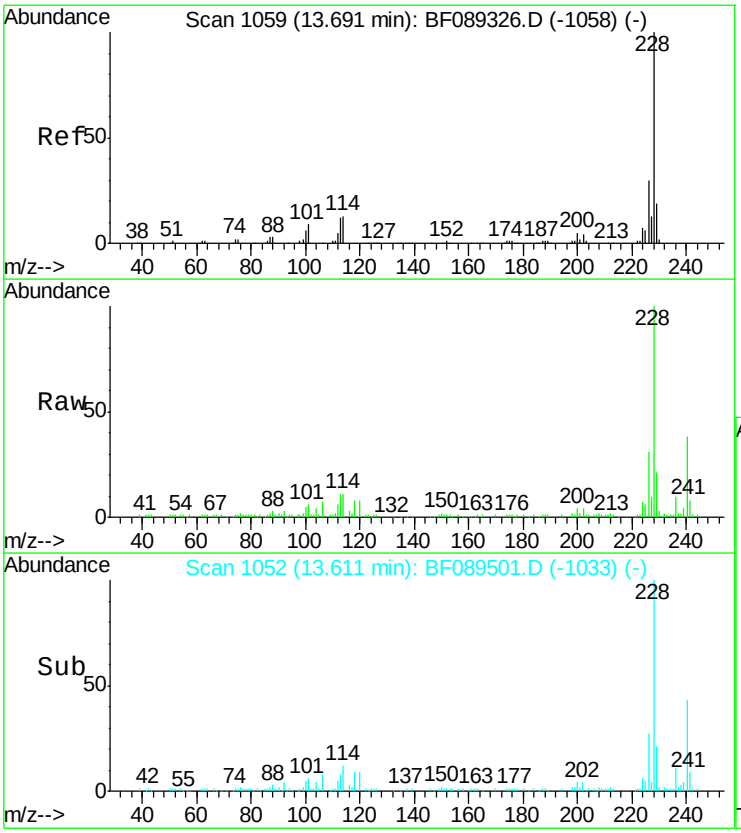
#80
Benzo(a)anthracene
Concen: 20.37 ng
RT: 13.61 min Scan# 1052
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 99813

Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.4	32.2
229	20.8	15.9	23.9

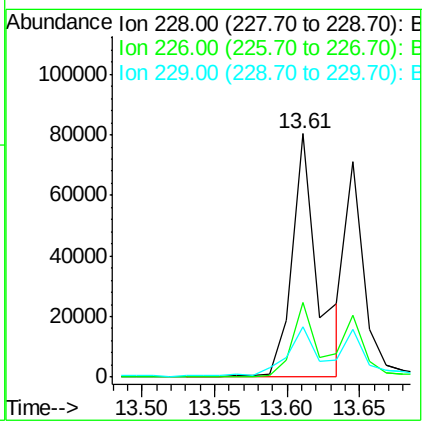


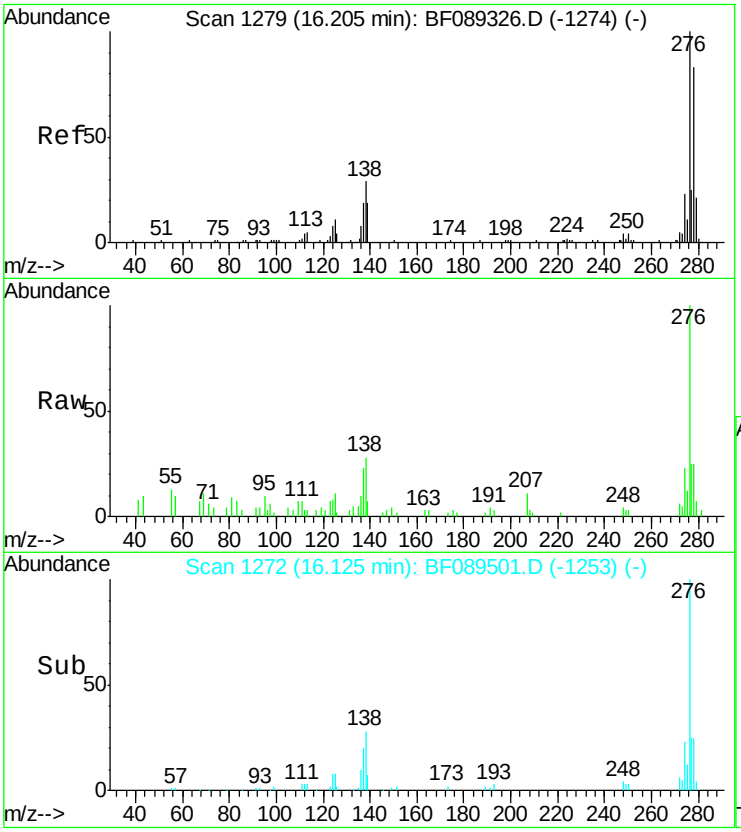


#82
Chrysene
Concen: 19.14 ng
RT: 13.61 min Scan# 1052
Delta R.T. -0.08 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:228 Resp: 99813

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	20.8	15.9	23.9



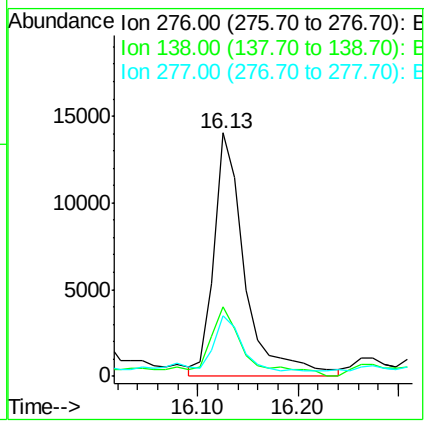


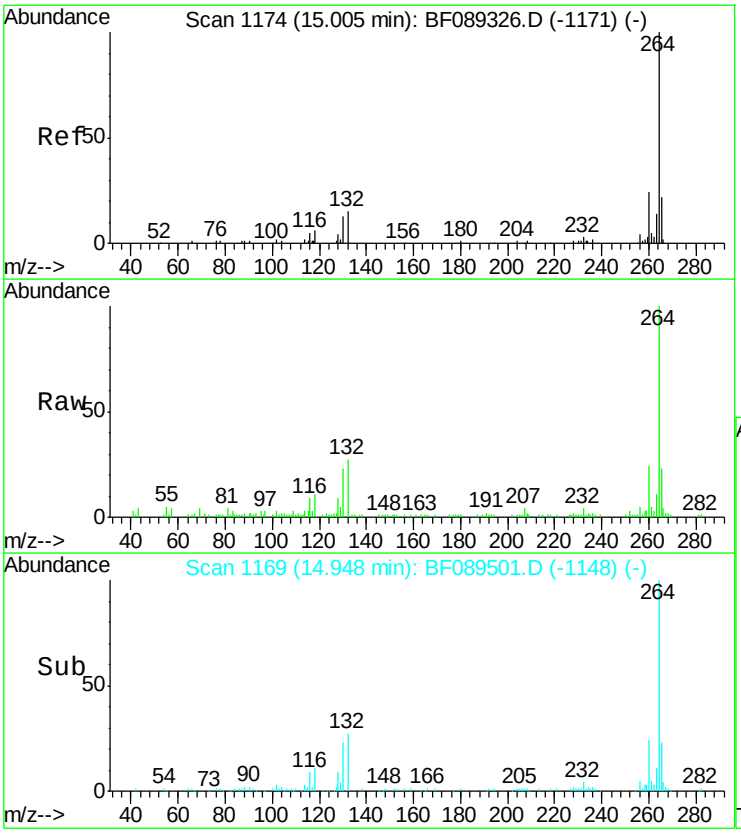
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.11 ng
RT: 16.13 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 30070

Ion	Ratio	Lower	Upper
276	100		
138	30.9	23.0	34.4
277	34.1	20.2	30.4#

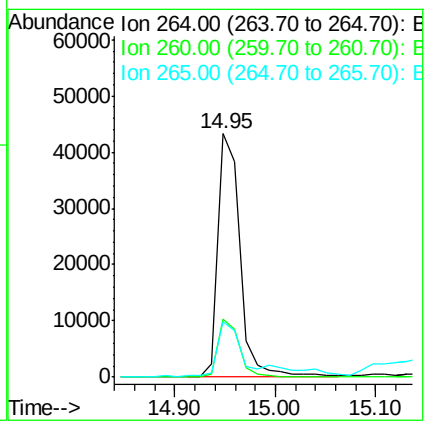


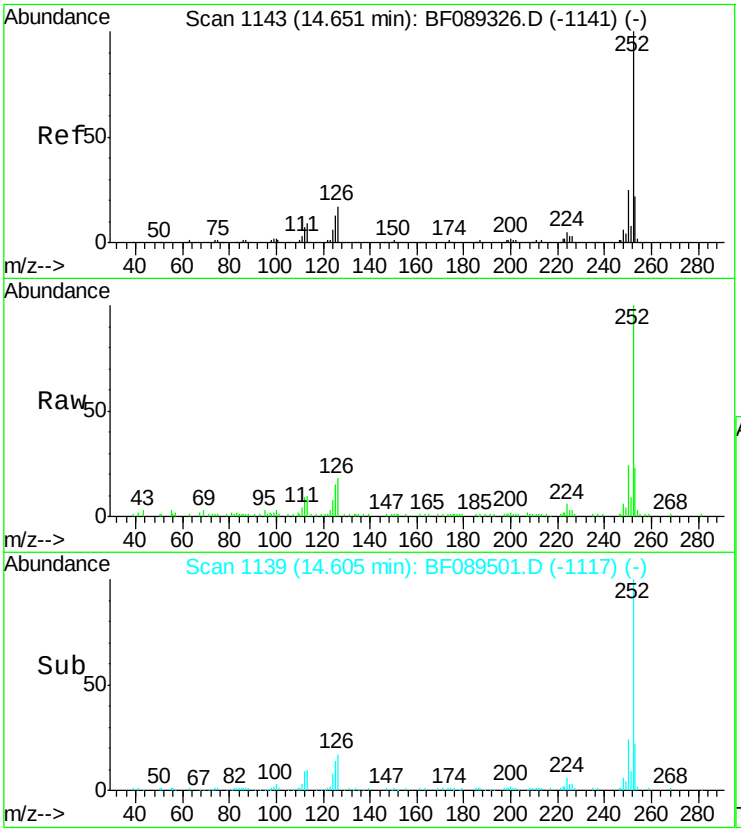


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:264 Resp: 66474

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.8	17.5	26.3



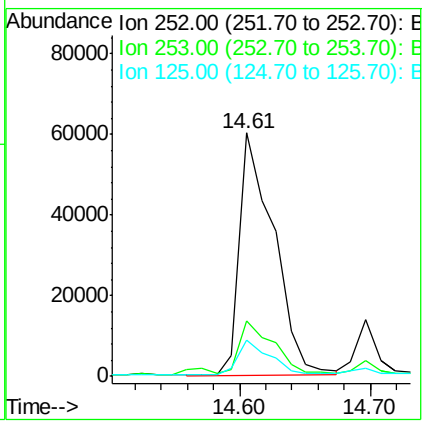


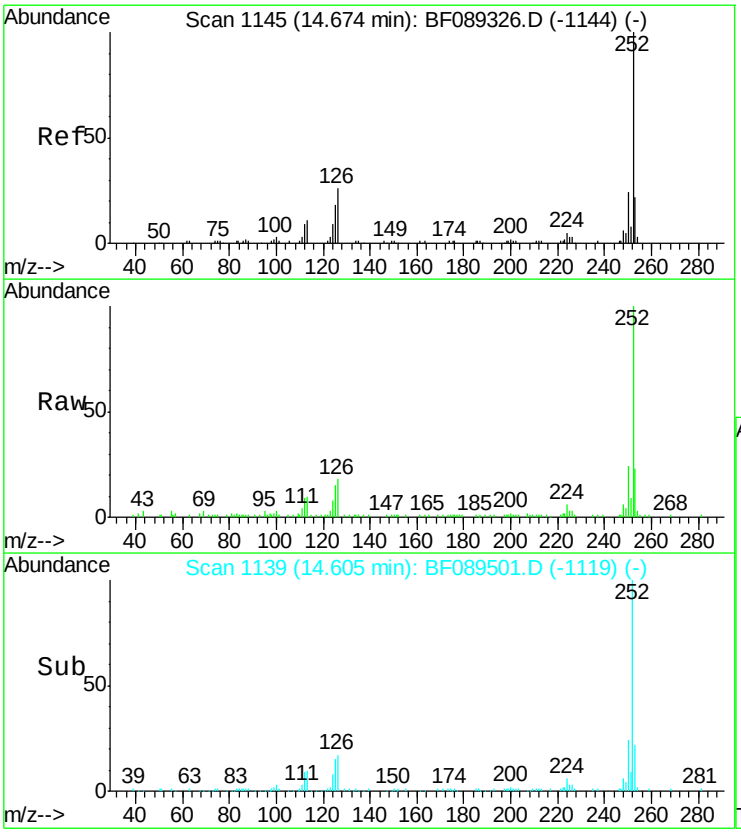
#87
Benzo(b)fluoranthene
Concen: 26.72 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 110300

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	15.1	9.7	14.5#

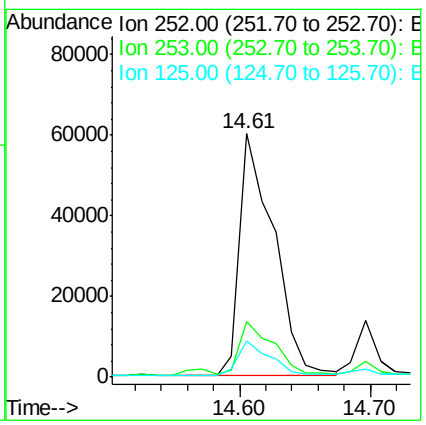


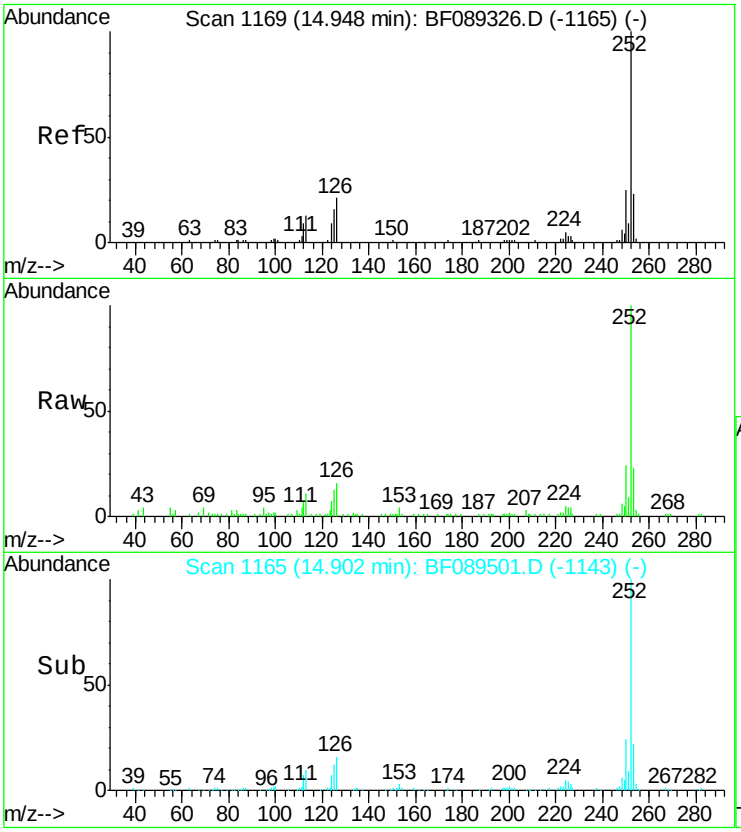


#88
Benzo(k)fluoranthene
Concen: 28.91 ng
RT: 14.61 min Scan# 1139
Delta R.T. -0.07 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:252 Resp: 109711

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	15.1	10.7	16.1



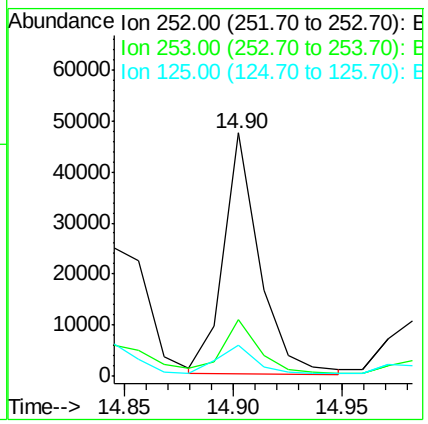


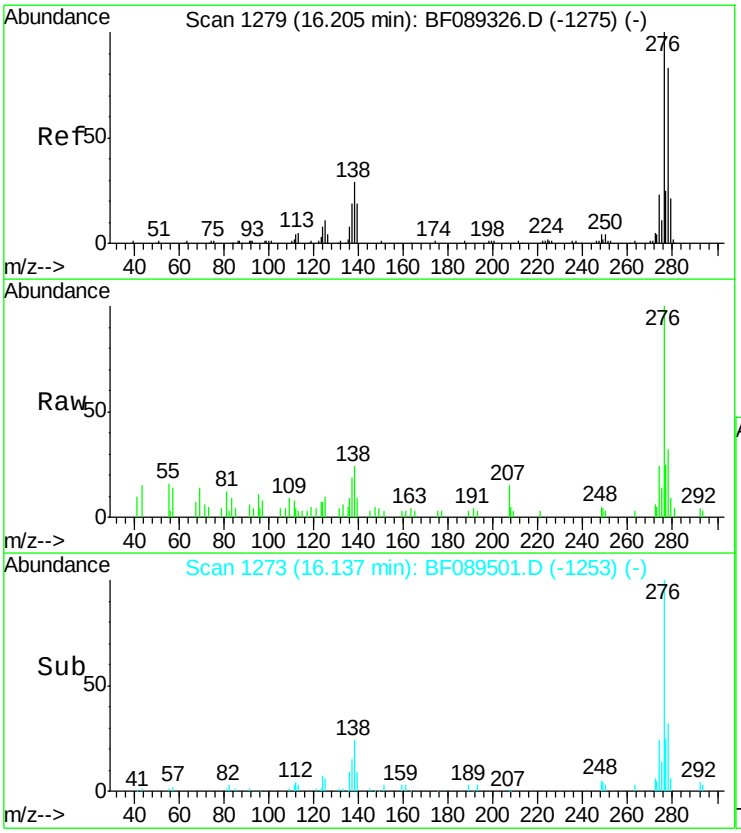
#89
Benzo(a)pyrene
Concen: 14.58 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 53985

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	13.0	12.4	18.6

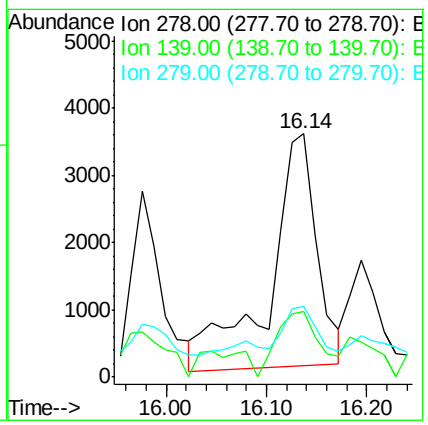


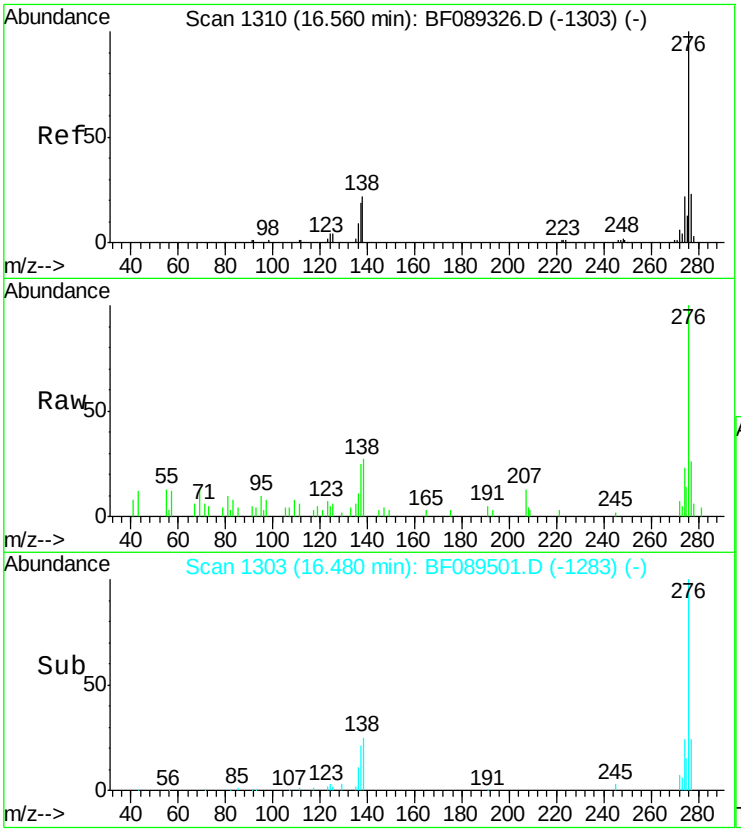


#90
Dibenzo(a,h)anthracene
Concen: 3.92 ng
RT: 16.14 min Scan# 1273
Delta R.T. -0.07 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:278 Resp: 11424

Ion	Ratio	Lower	Upper
278	100		
139	27.1	16.3	24.5#
279	29.3	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 8.93 ng
RT: 16.48 min Scan# 1303
Delta R.T. -0.07 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 25610

Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	26.9	21.4	32.0