Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073016\
Data File : BF089444.D
Acq On : 30 Jul 2016 8:39
Operator : UM/SJ
Sample : H4215-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 01 01:02:18 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	6.51	152	37517	20.00	ng		-0.03
21) Naphthalene-d8	7.80	136	128575	20.00	ng		-0.02
38) Acenaphthene-d10	9.54	164	53291	20.00	ng		-0.03
63) Phenanthrene-d10	11.02	188	92752	20.00	ng		-0.03
75) Chrysene-d12	13.65	240	88419	20.00	ng		-0.02
86) Perylene-d12	14.98	264	64654	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	244152	103.91	ng		-0.01
7) Phenol-d6	6.18	99	320675	103.27	ng		-0.02
23) Nitrobenzene-d5	7.08	82	189980	87.22	ng		-0.03
41) 2,4,6-Tribromophenol	10.33	330	46187	104.65	ng		-0.03
44) 2-Fluorobiphenyl	8.88	172	285967	78.75	ng		-0.03
78) Terphenyl-d14	12.59	244	218924	57.95	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	42219	39.63	ng	#	26
19) n-Nitroso-di-n-propylamine	7.08	70	25752	13.75	ng	#	82
31) Naphthalene	7.83	128	16192	2.54	ng		98
48) Acenaphthylene	9.40	152	52834	9.84	ng		99
49) Dimethylphthalate	9.28	163	49754	12.27	ng		98
55) 4-Nitrophenol	9.75	139	2727	12.06	ng	#	4
57) Fluorene	10.09	166	20802	5.58	ng		99
66) 4-Bromophenyl-phenylether	10.33	248	3537	3.99	ng	#	1
70) Phenanthrene	11.04	178	111181	23.24	ng		99
71) Anthracene	11.09	178	49369	9.28	ng		97
72) Carbazole	11.26	167	14305	3.20	ng	#	95
74) Fluoranthene	12.22	202	233173	46.34	ng		97
77) Pyrene	12.45	202	228337	34.07	ng		100
80) Benzo(a)anthracene	13.63	228	238001	47.70	ng	#	89
82) Chrysene	13.63	228	238001	44.81	ng		93
83) Bis(2-ethylhexyl)phthalate	13.65	149	35650	8.09	ng	#	98
85) Indeno(1,2,3-cd)pyrene	16.17	276	54831	14.52	ng		95
87) Benzo(b)fluoranthene	14.63	252	176241	43.89	ng	#	94
88) Benzo(k)fluoranthene	14.63	252	176241	47.74	ng	#	96
89) Benzo(a)pyrene	14.88	252	64631	17.94	ng		94
90) Dibenzo(a,h)anthracene	16.17	278	13996	4.93	ng	#	81
91) Benzo(g,h,i)perylene	16.53	276	53156	19.06	ng		96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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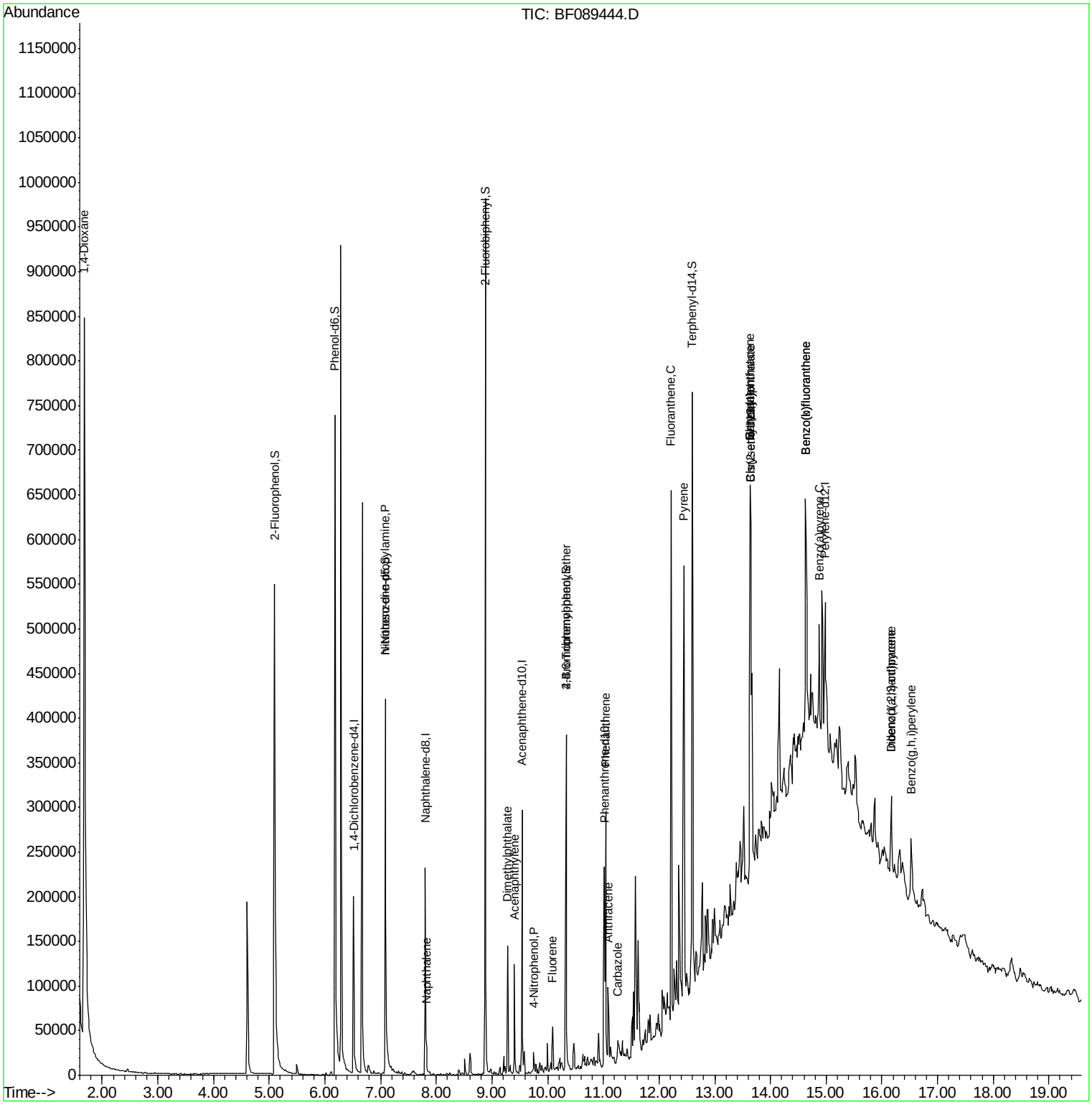
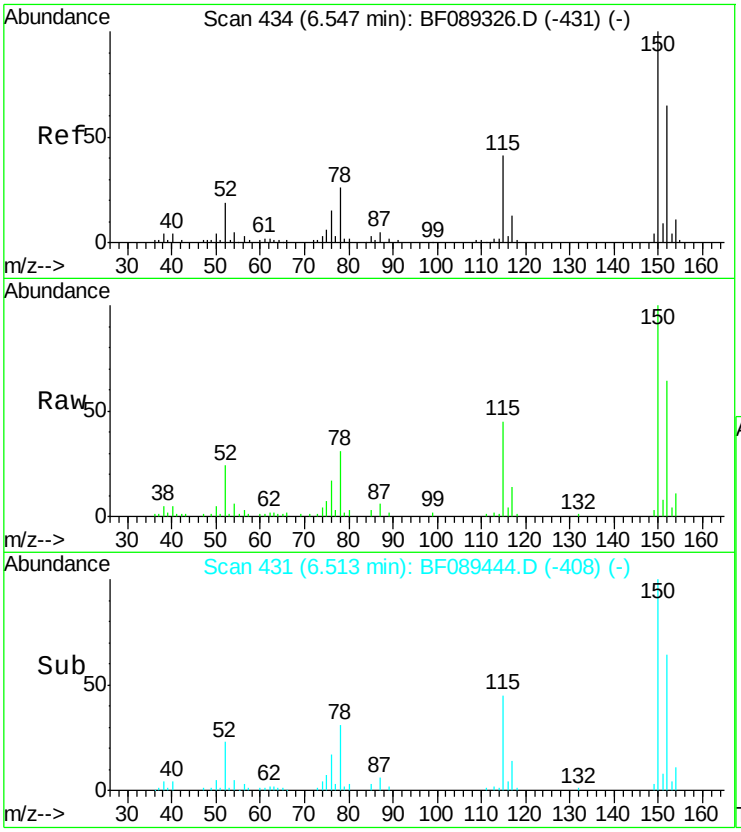


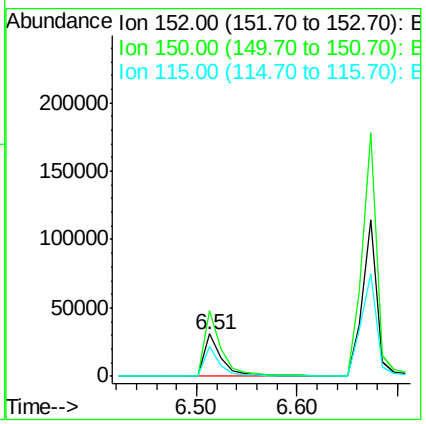


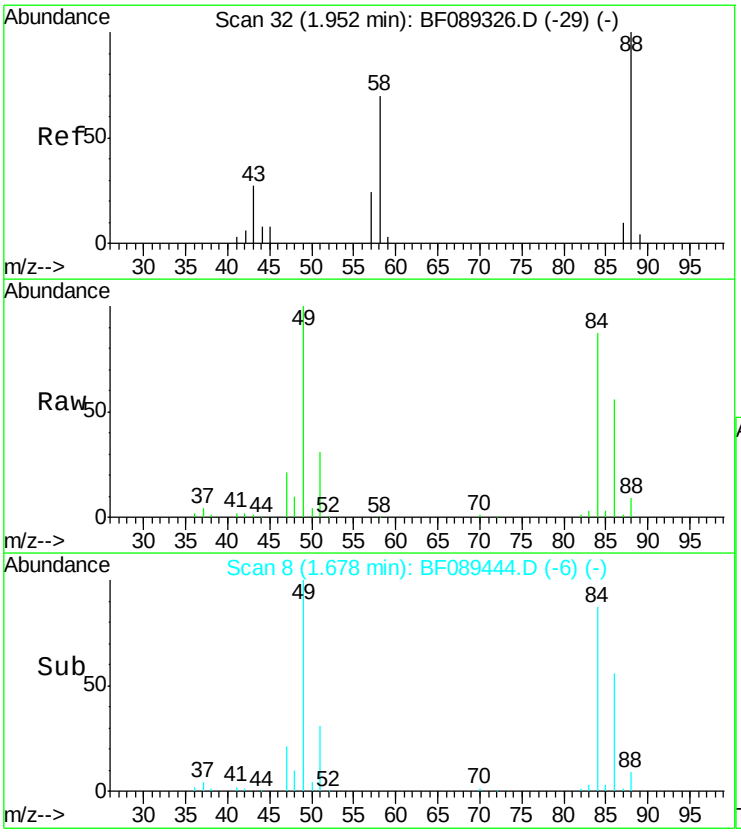
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 37517

Ion	Ratio	Lower	Upper
152	100		
150	155.7	129.5	194.3
115	69.7	51.4	77.2

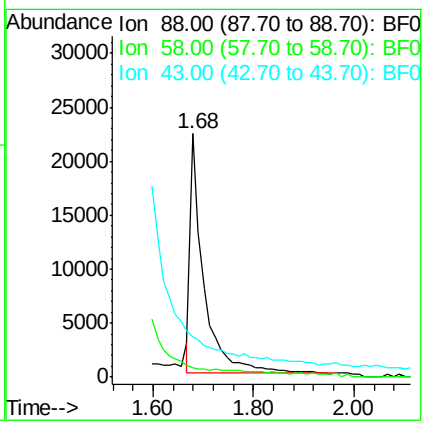


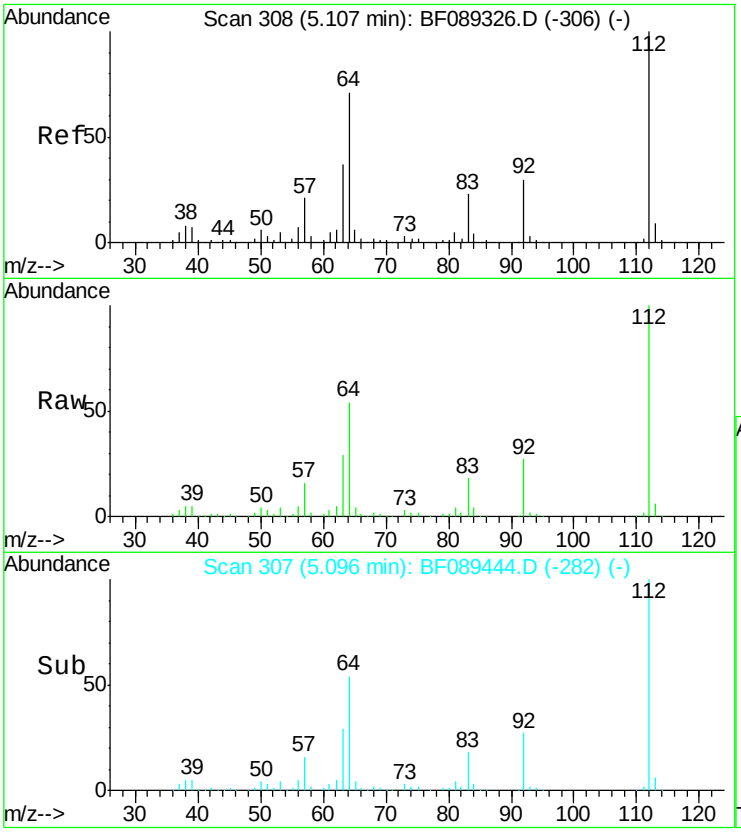


#2
1,4-Dioxane
Concen: 39.63 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion: 88 Resp: 42219

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



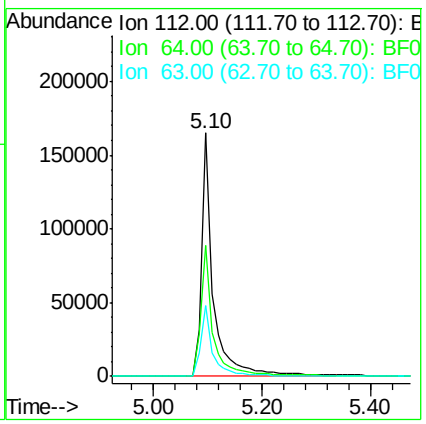


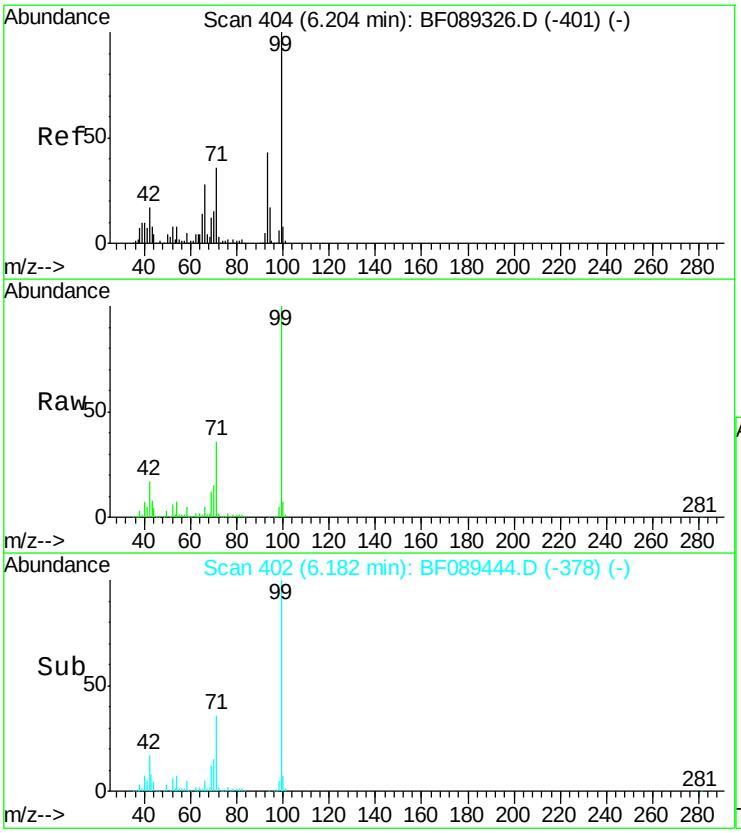
#5
2-Fluorophenol
Concen: 103.91 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 244152

Ion	Ratio	Lower	Upper
112	100		
64	53.9	55.0	82.6#
63	28.9	29.4	44.2#

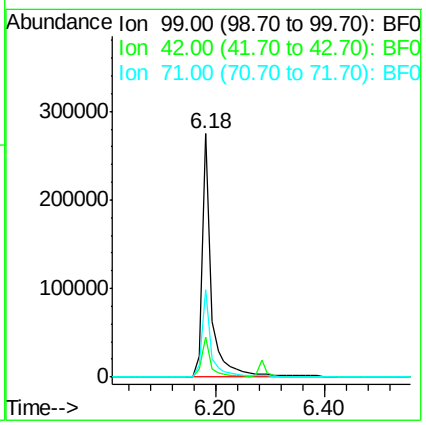


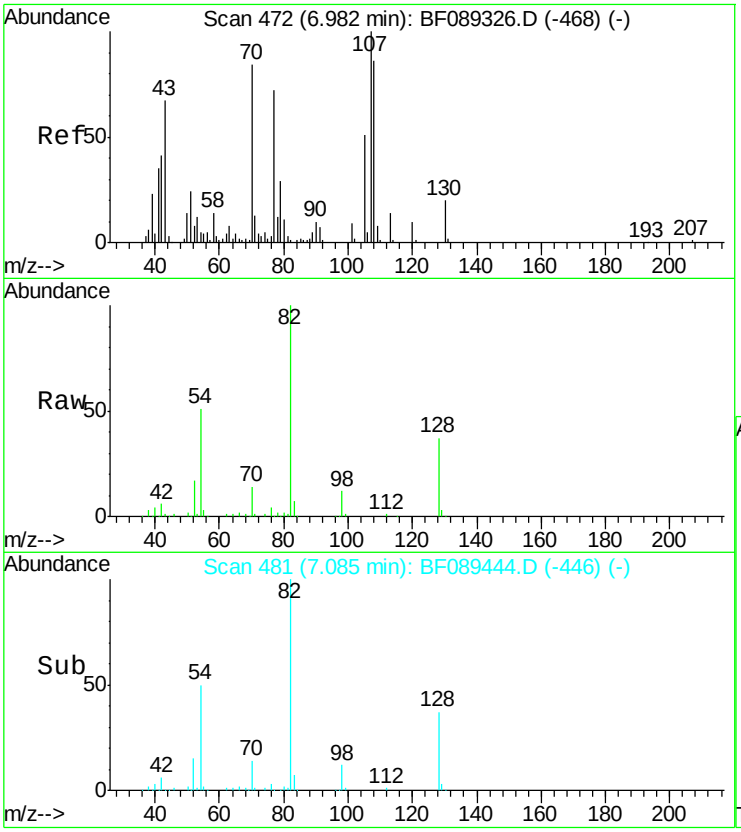


#7
Phenol-d6
Concen: 103.27 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion: 99 Resp: 320675

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.6	20.4
71	35.8	29.4	44.2



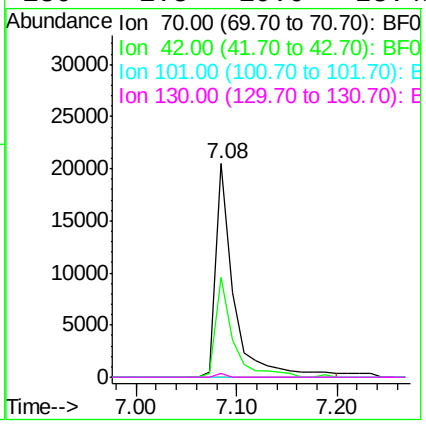


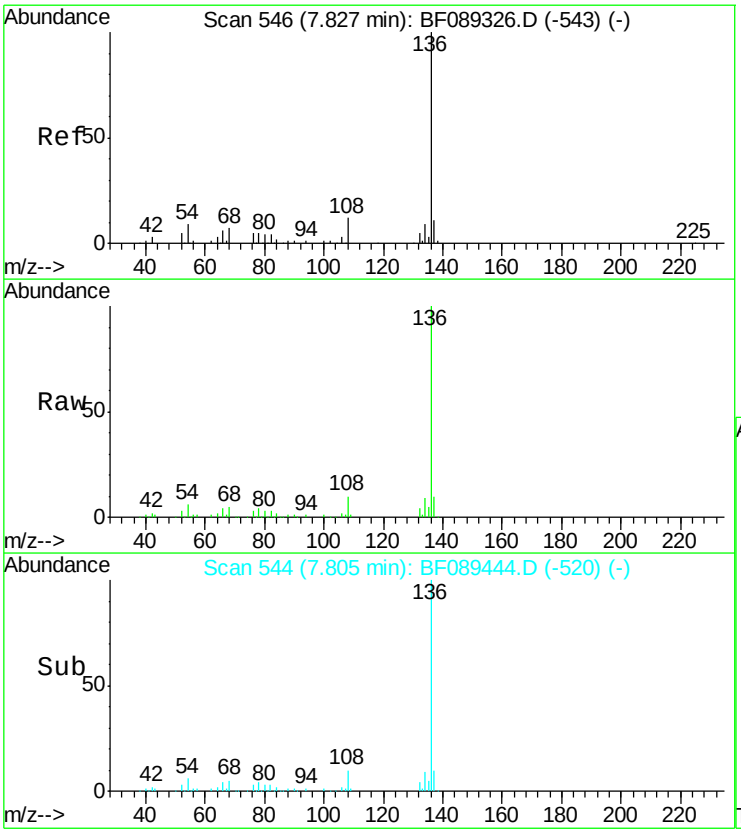
#19
n-Nitroso-di-n-propylamine
Concen: 13.75 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.10 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 25752

Ion	Ratio	Lower	Upper
70	100		
42	46.8	38.6	57.8
101	0.0	8.3	12.5#
130	1.8	19.0	28.4#

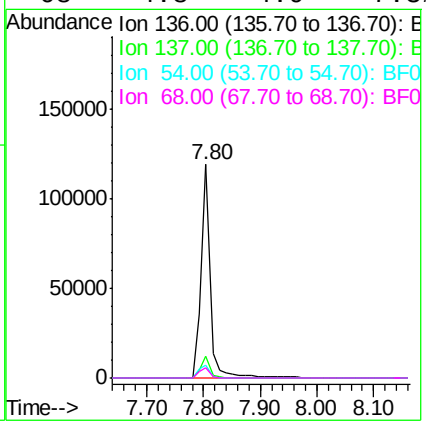


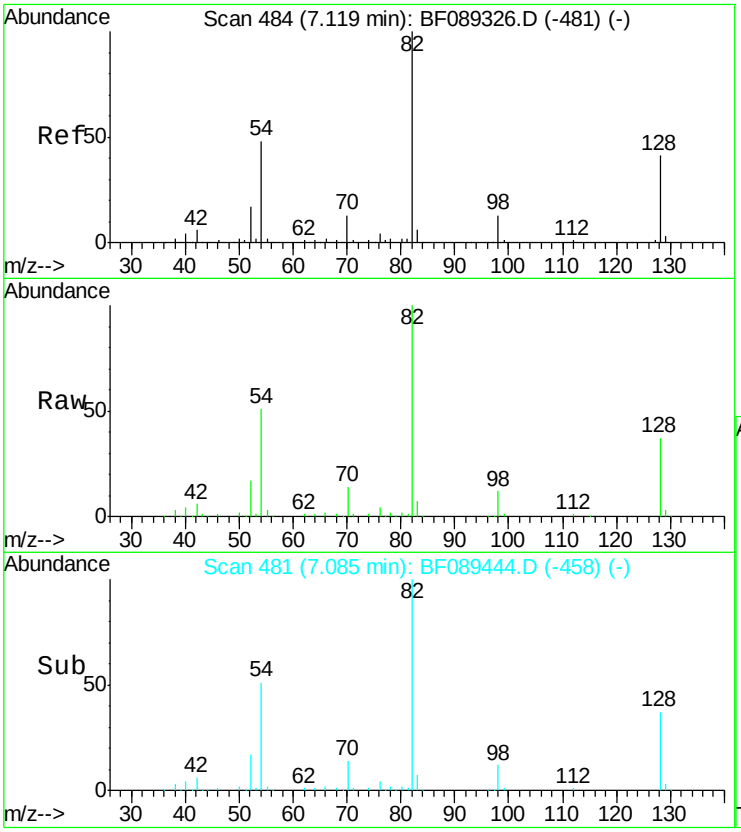


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:136 Resp: 128575

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	5.8	7.0	10.4#
68	4.8	4.9	7.3#



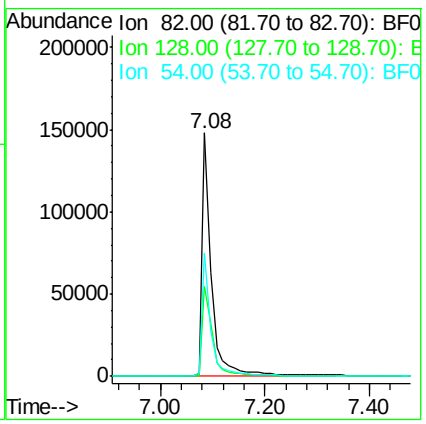


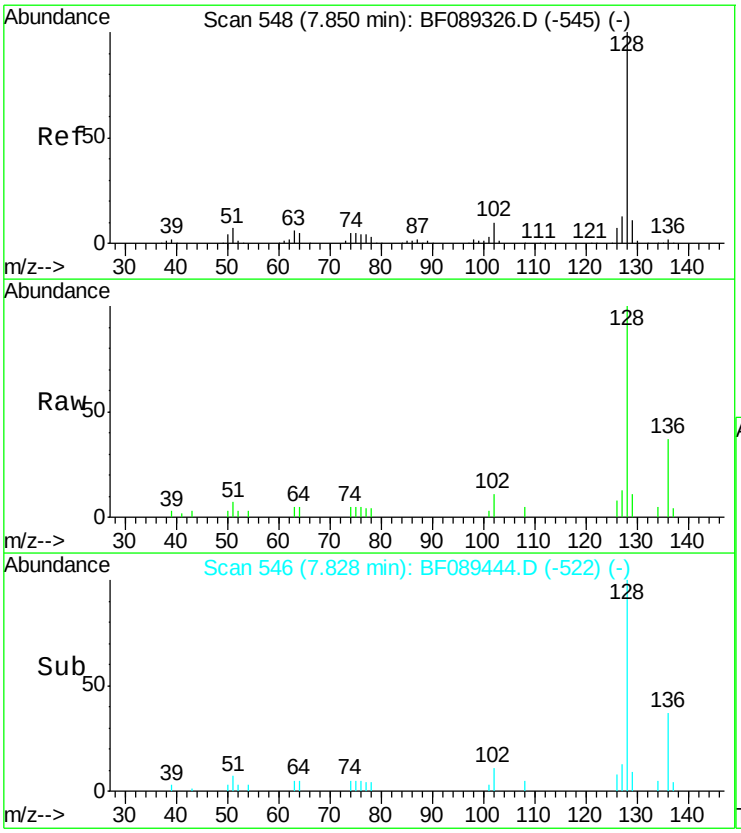
#23
Nitrobenzene-d5
Concen: 87.22 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 189980

Ion	Ratio	Lower	Upper
82	100		
128	37.2	32.5	48.7
54	50.9	38.8	58.2

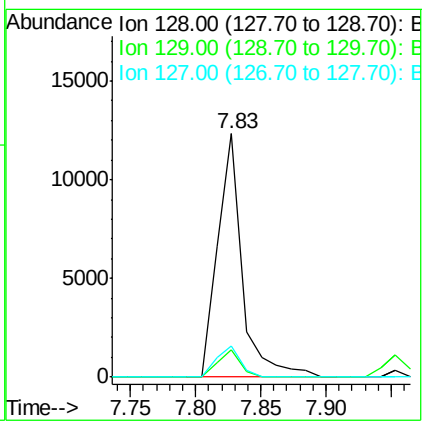


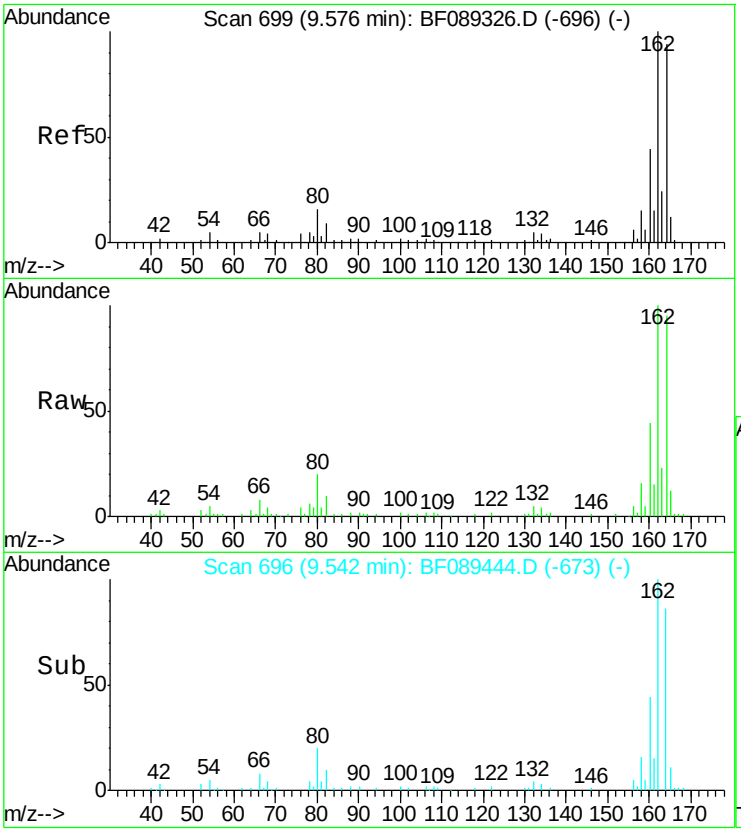


#31
Naphthalene
Concen: 2.54 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:128 Resp: 16192

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.5	10.8	16.2



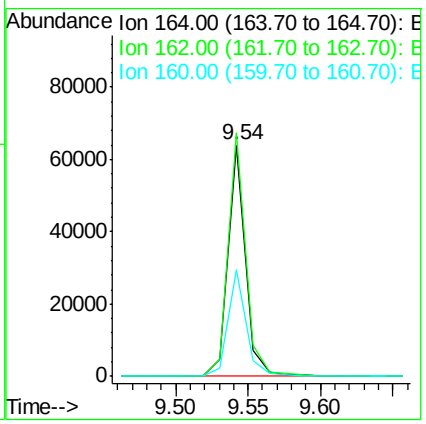


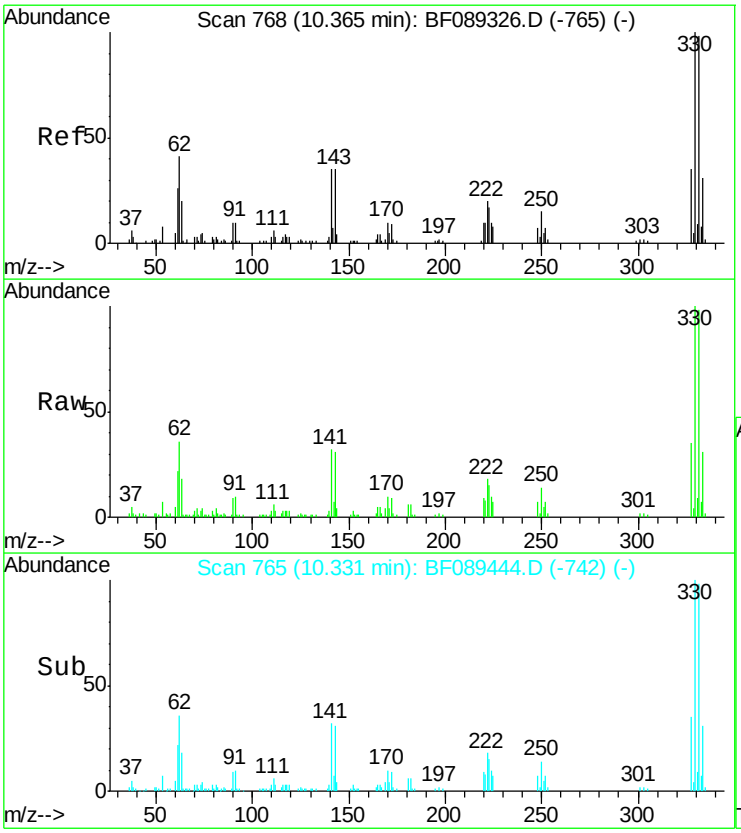
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 53291

Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.7	125.5
160	46.3	37.8	56.6

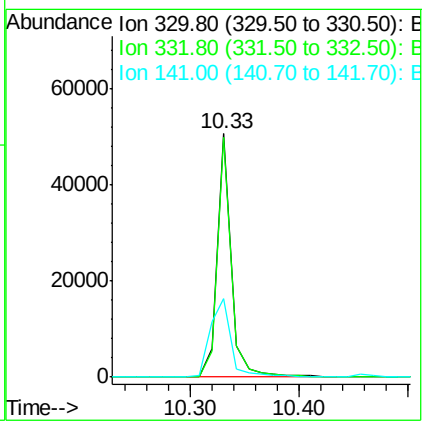


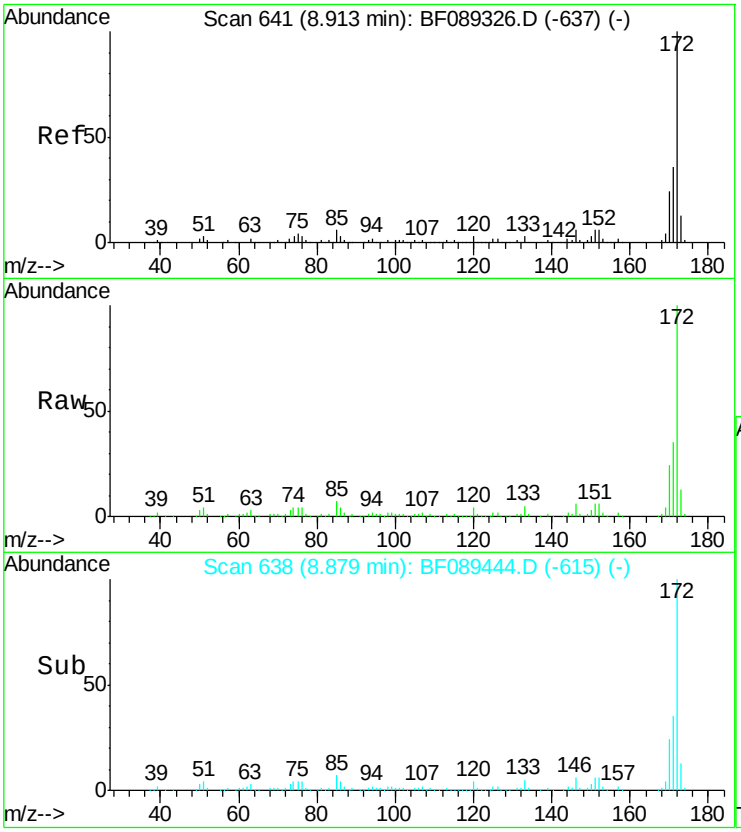


#41
2,4,6-Tribromophenol
Concen: 104.65 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:330 Resp: 46187

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	47.8	37.3	55.9



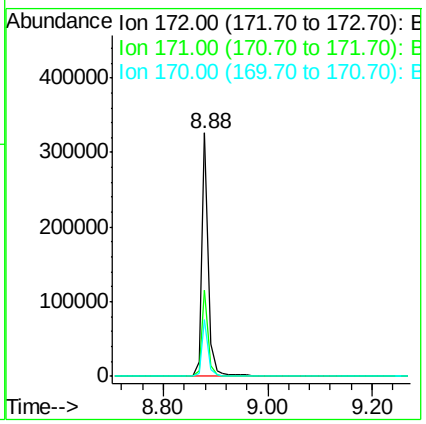


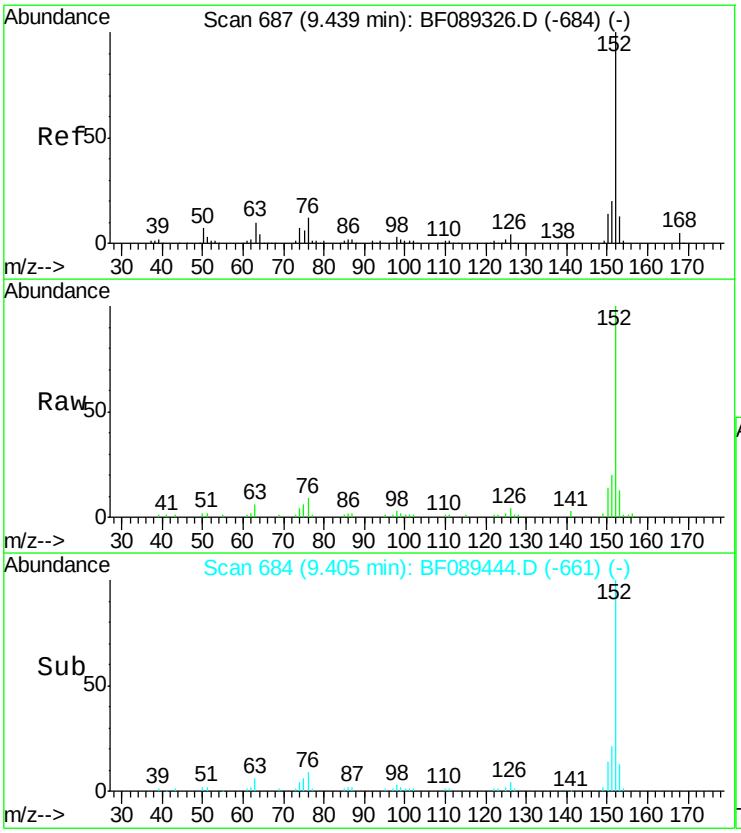
#44
2-Fluorobiphenyl
Concen: 78.75 ng
RT: 8.88 min Scan# 638
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 285967

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.2	43.8
170	23.6	19.2	28.8

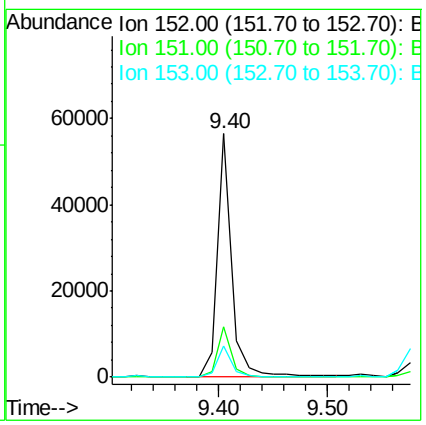


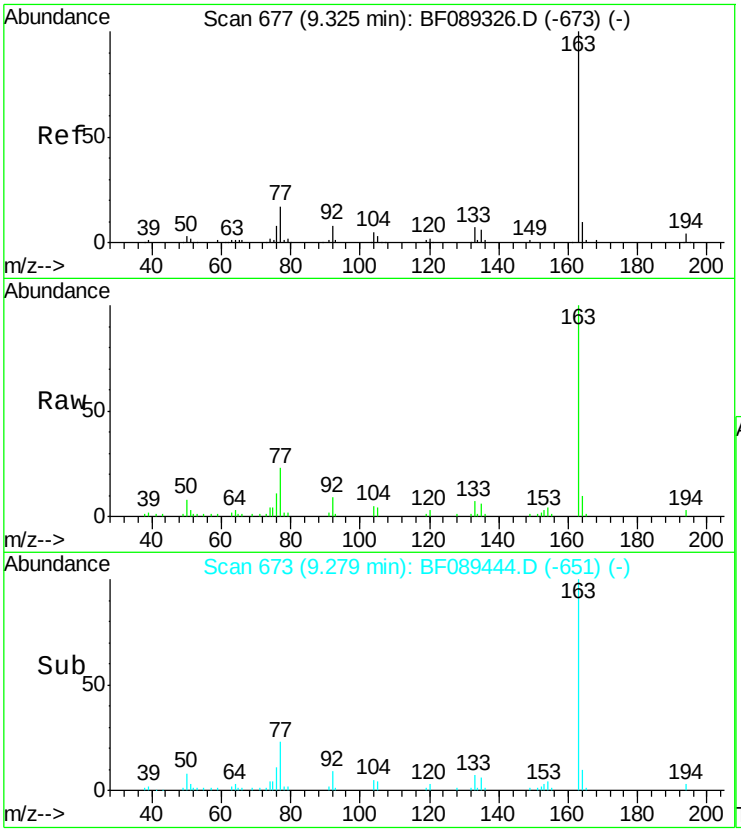


#48
Acenaphthylene
Concen: 9.84 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:152 Resp: 52834

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.0	10.2	15.4



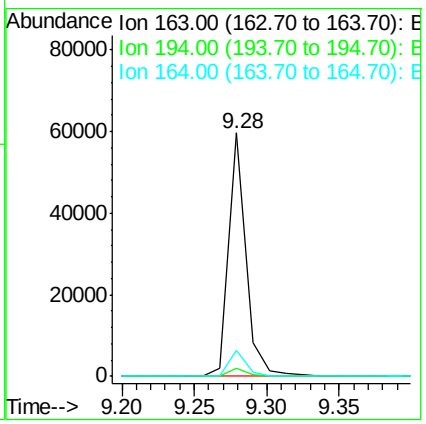


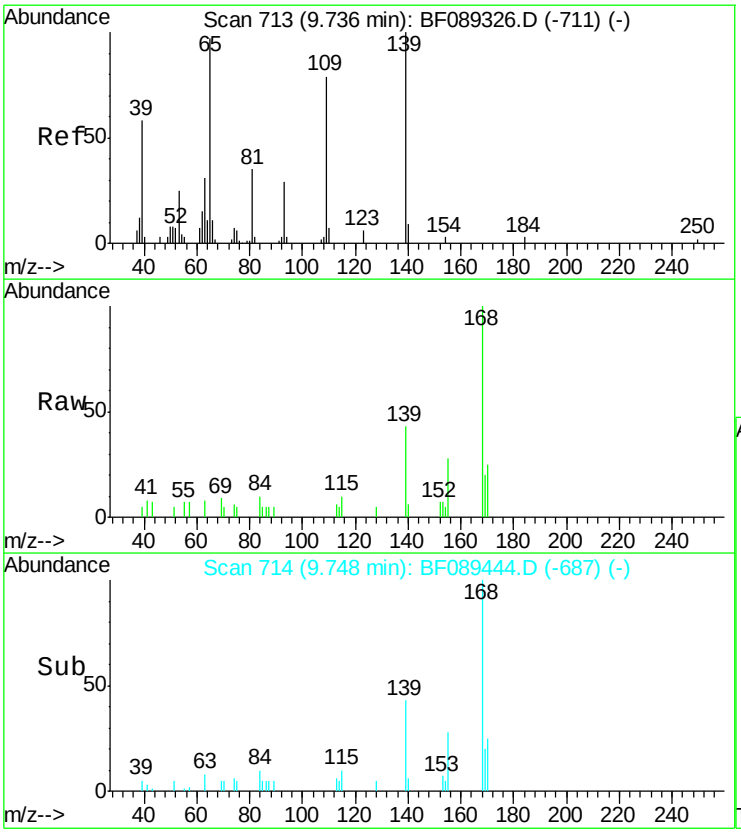
#49
Dimethylphthalate
Concen: 12.27 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 49754

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.5	7.8	11.8

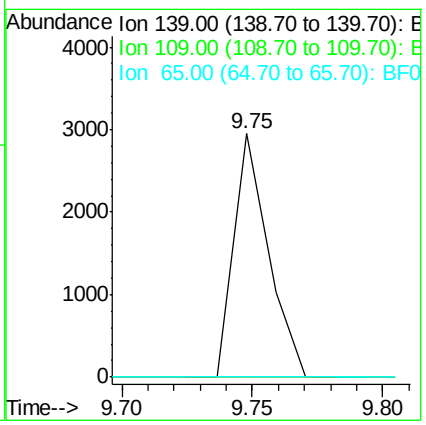


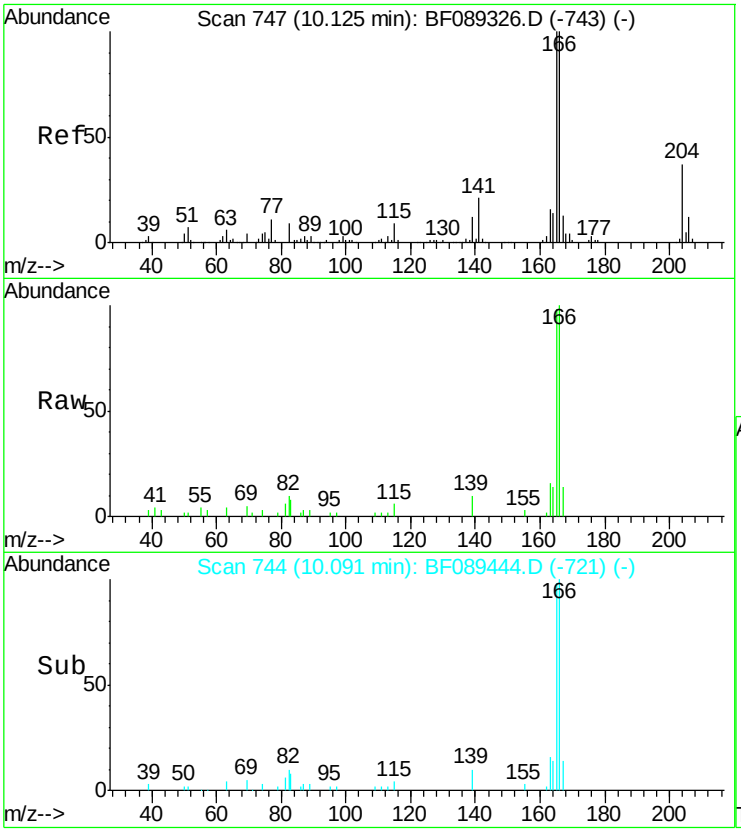


#55
4-Nitrophenol
Concen: 12.06 ng
RT: 9.75 min Scan# 714
Delta R.T. 0.01 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:139 Resp: 2727

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



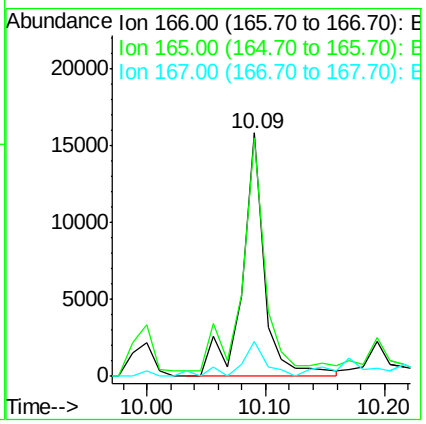


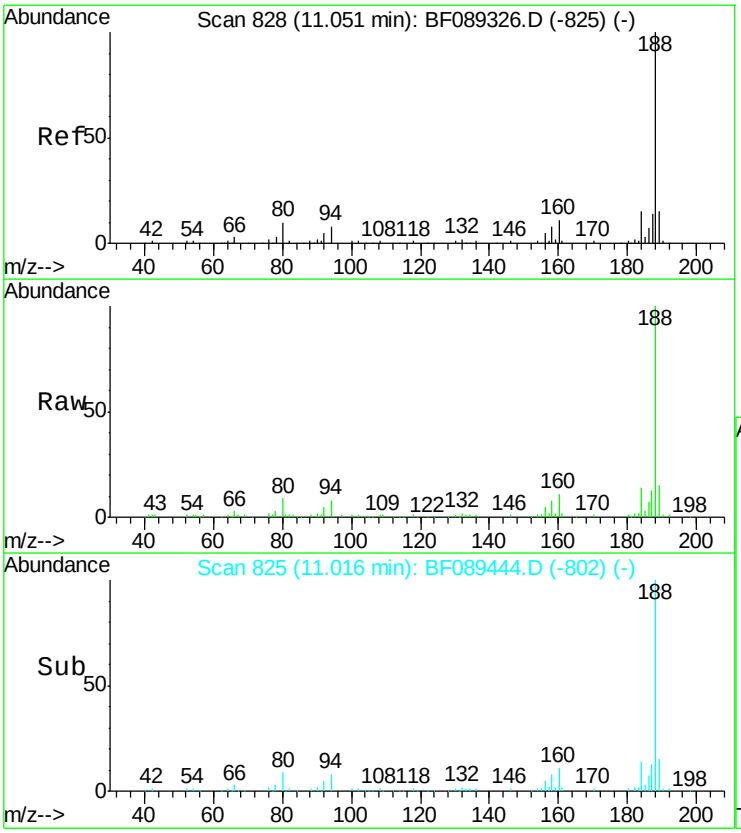
#57
Fluorene
Concen: 5.58 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 20802

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.4
167	14.5	10.2	15.2

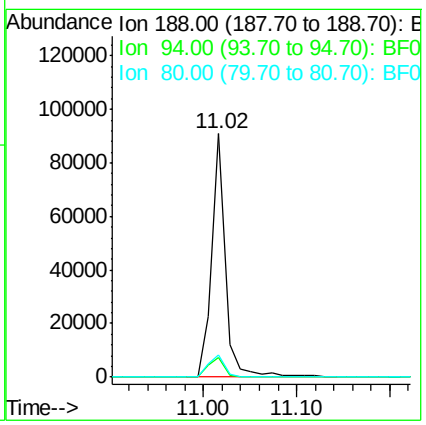


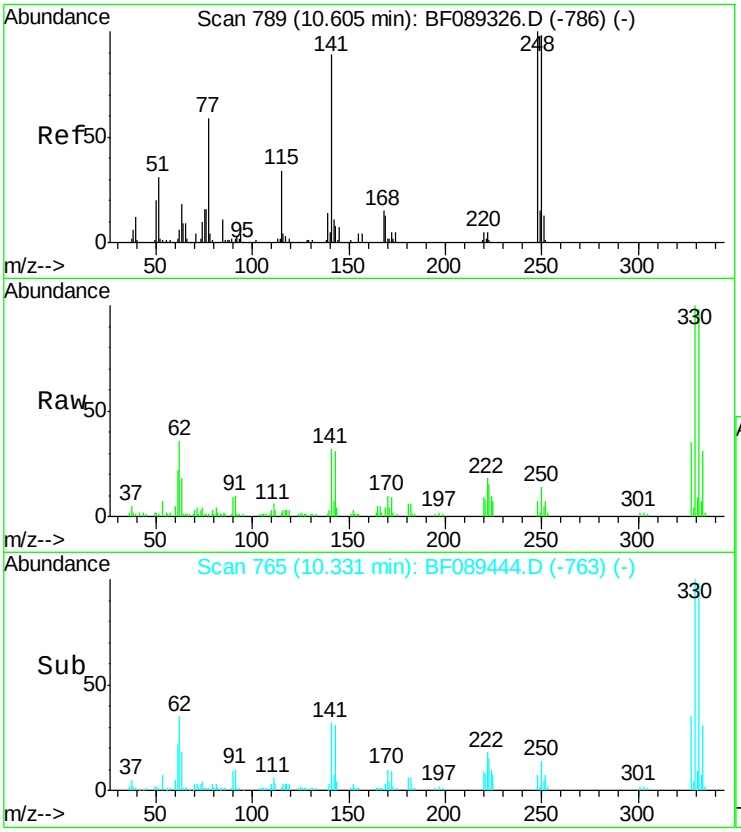


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:188 Resp: 92752

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.5	9.7
80	8.9	7.2	10.8



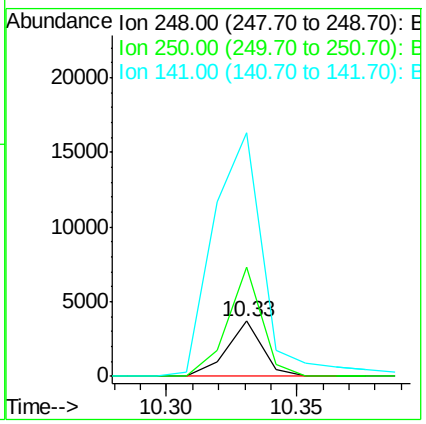


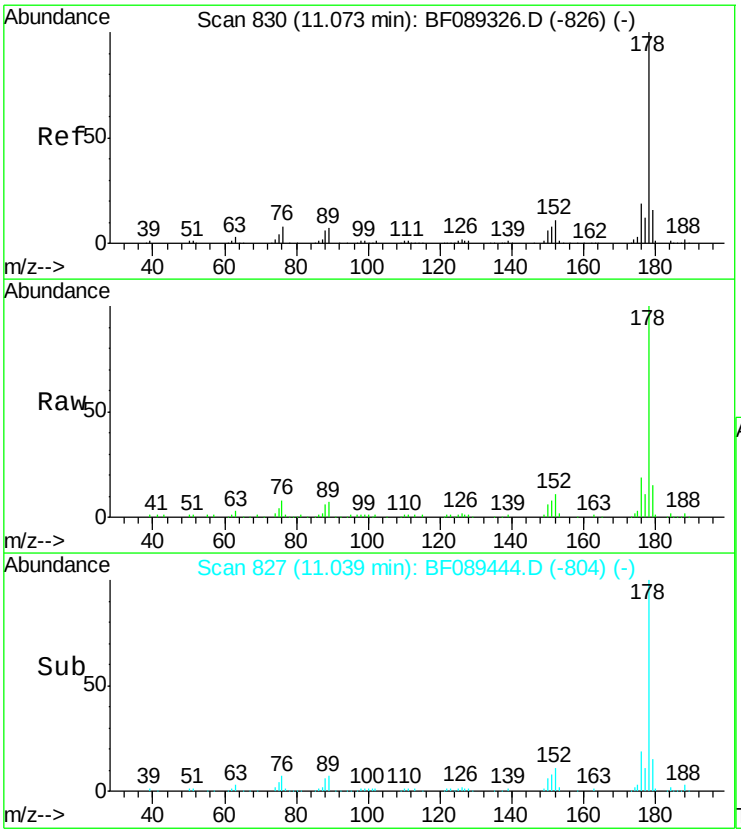
#66
4-Bromophenyl-phenylether
Concen: 3.99 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.27 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 3537

Ion	Ratio	Lower	Upper
248	100		
250	197.5	78.2	117.2#
141	439.6	62.0	93.0#

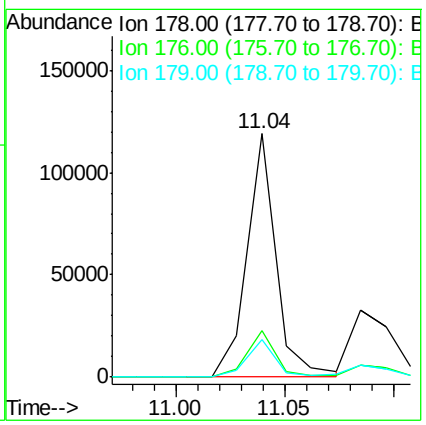


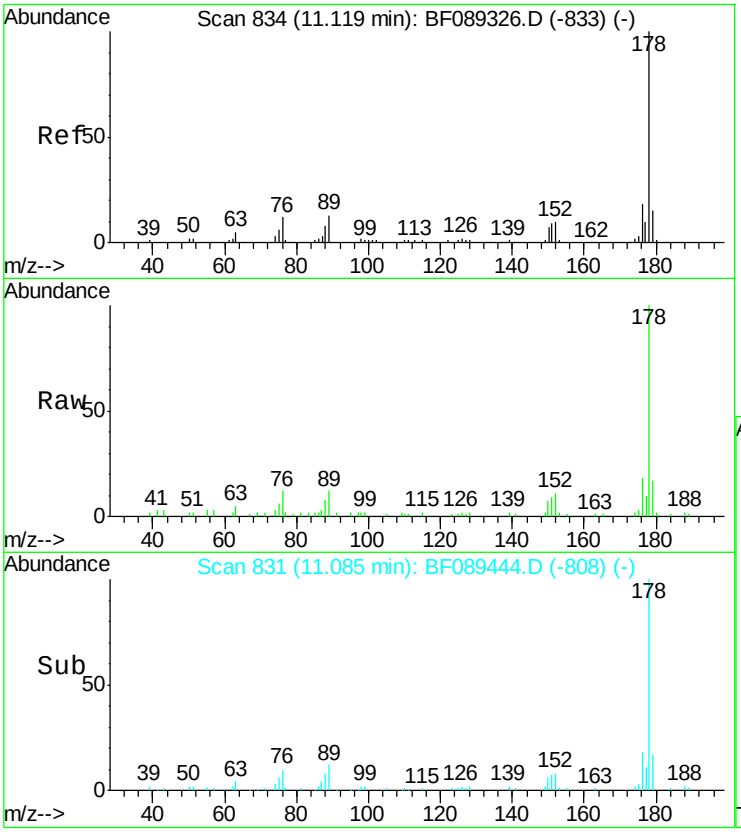


#70
Phenanthrene
Concen: 23.24 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:178 Resp: 111181

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



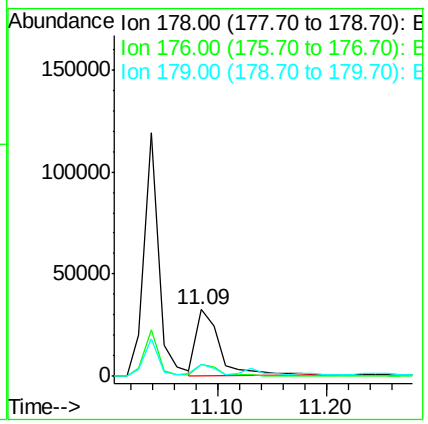


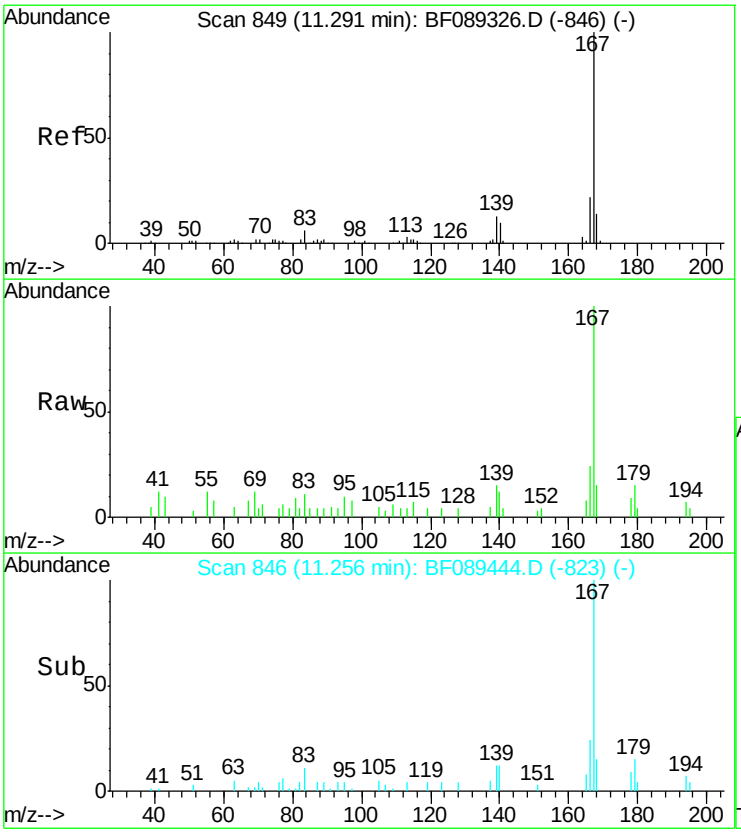
#71
Anthracene
Concen: 9.28 ng
RT: 11.09 min Scan# 831
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 49369

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	17.5	12.6	18.8

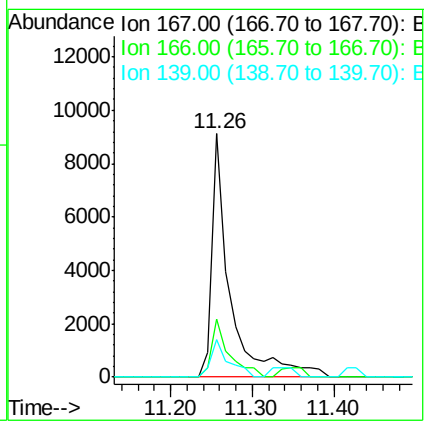


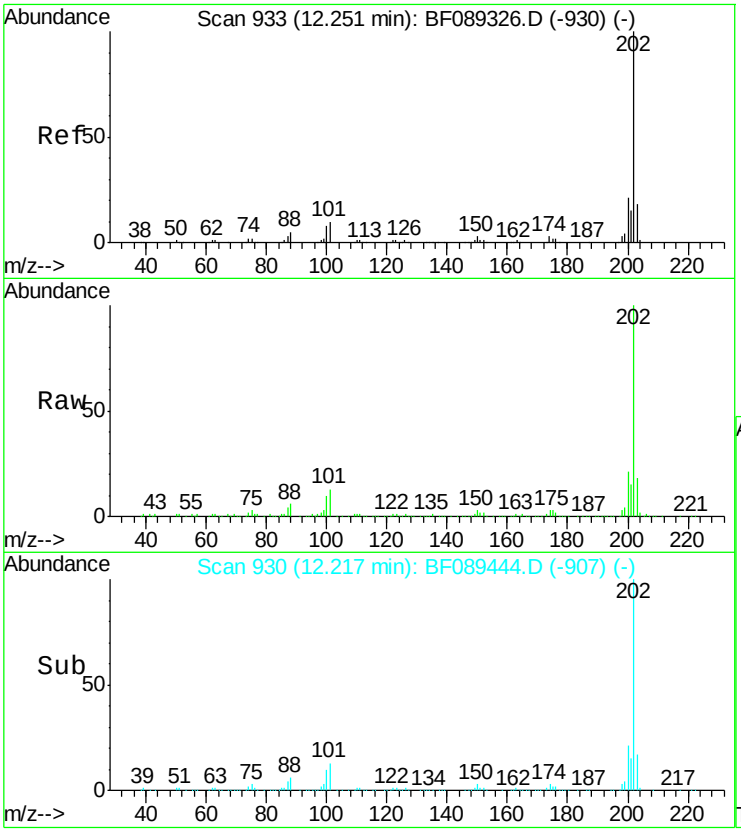


#72
Carbazole
Concen: 3.20 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:167 Resp: 14305

Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.6	26.4
139	15.4	10.1	15.1#



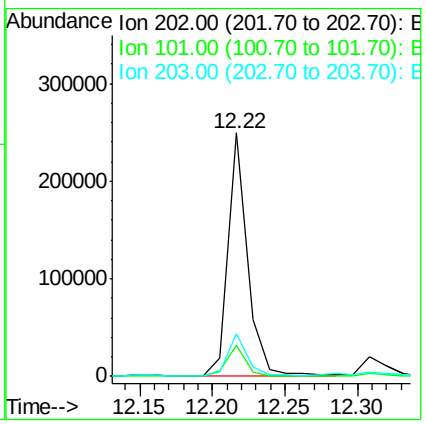


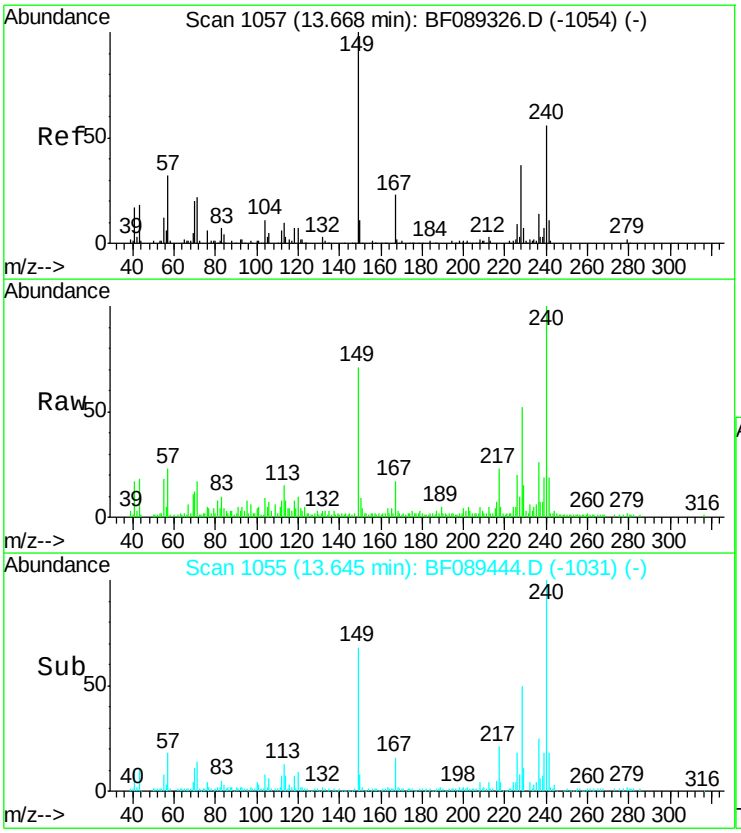
#74
Fluoranthene
Concen: 46.34 ng
RT: 12.22 min Scan# 930
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 233173

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	29.9
203	17.5	0.0	37.3

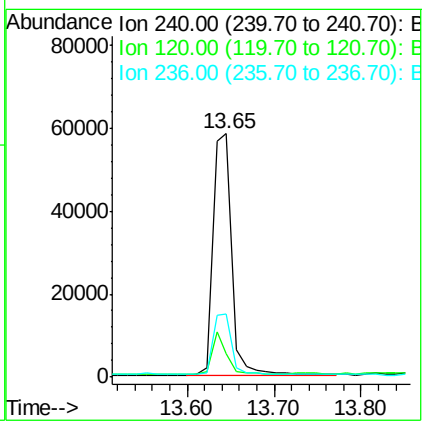


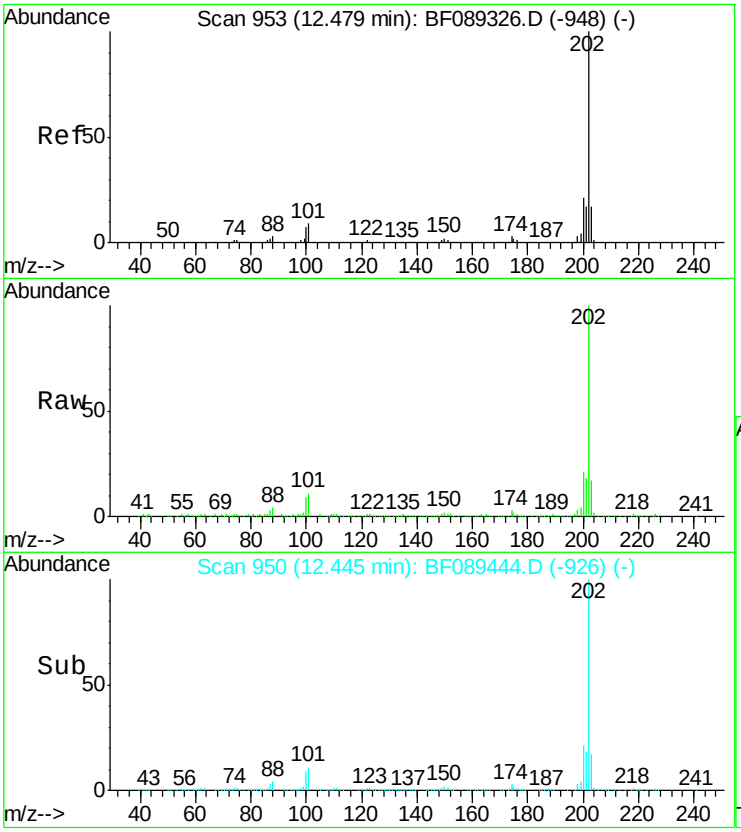


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:240 Resp: 88419

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.1	13.7
236	25.9	20.6	30.8

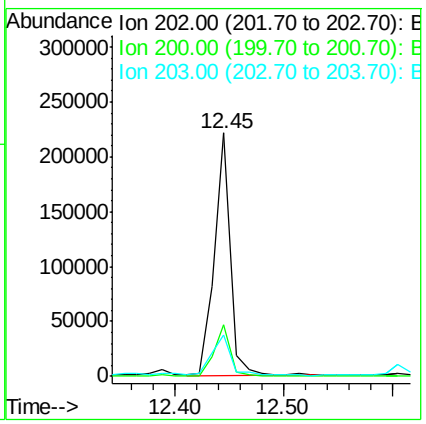




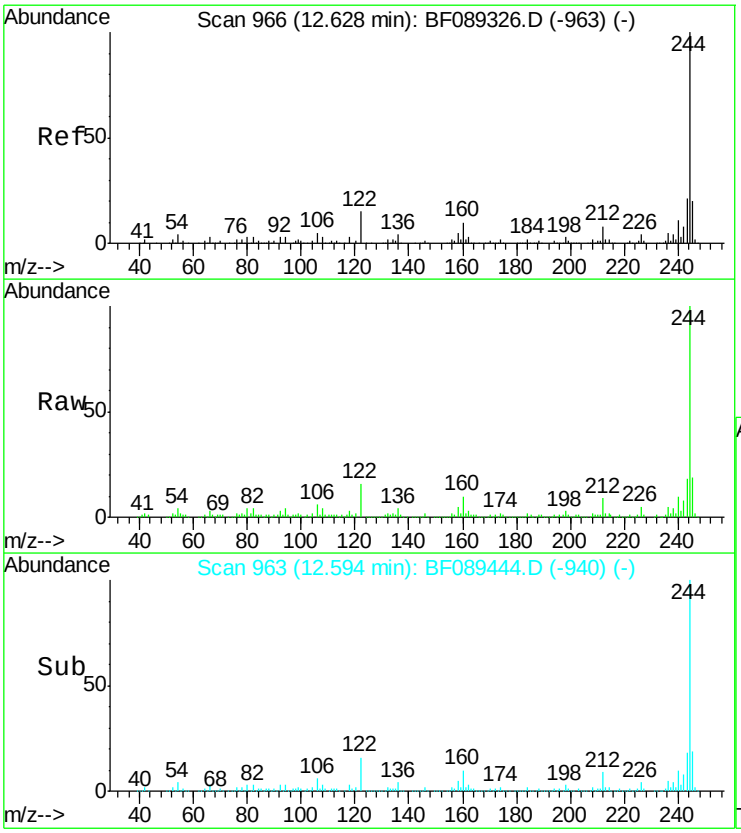
#77
Pyrene
Concen: 34.07 ng
RT: 12.45 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:202 Resp: 228337

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.1	14.0	21.0



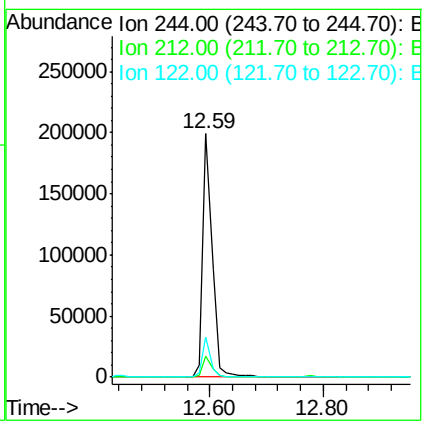
Instrument :
BNA_F
ClientSampleId :

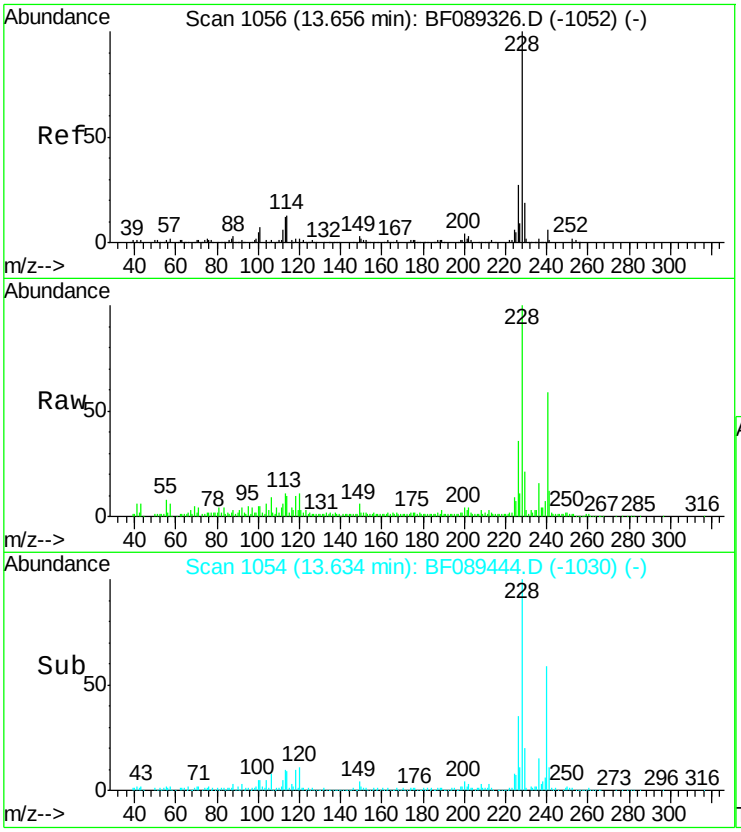


#78
Terphenyl-d14
Concen: 57.95 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:244 Resp: 218924

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	16.3	11.4	17.0



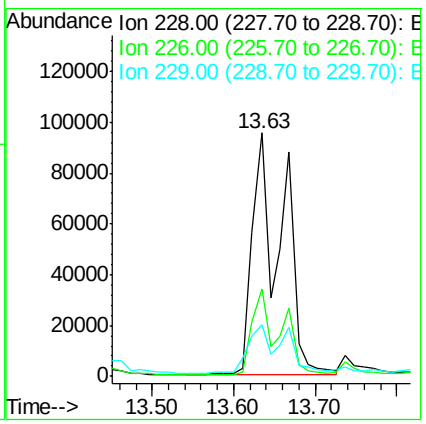


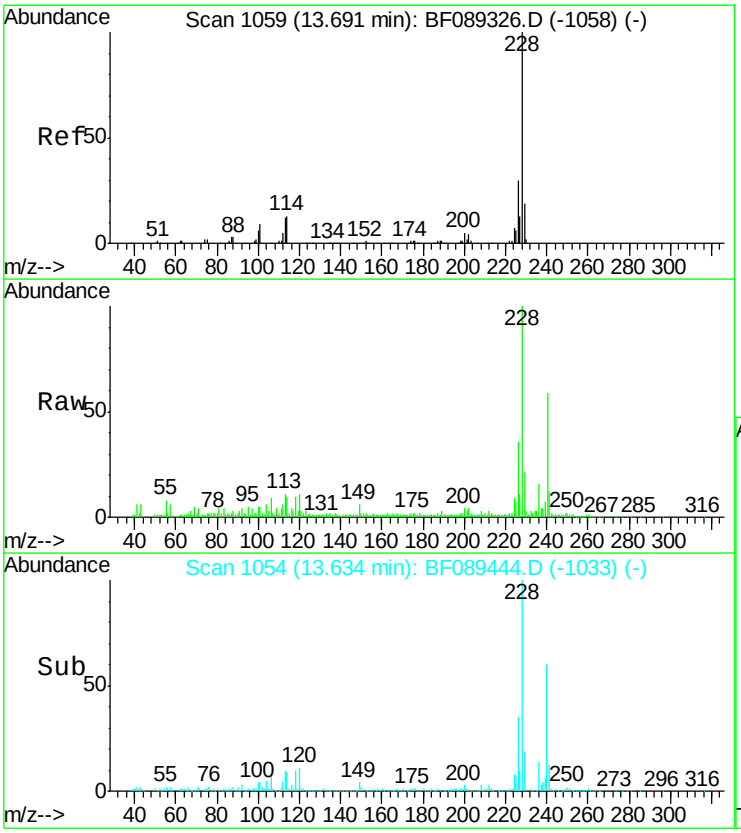
#80
Benzo(a)anthracene
Concen: 47.70 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 238001

Ion	Ratio	Lower	Upper
228	100		
226	35.8	21.4	32.2#
229	21.1	15.9	23.9

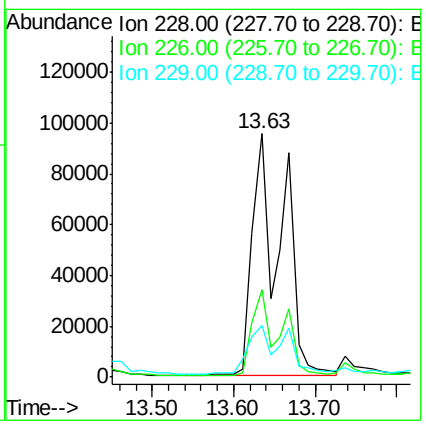


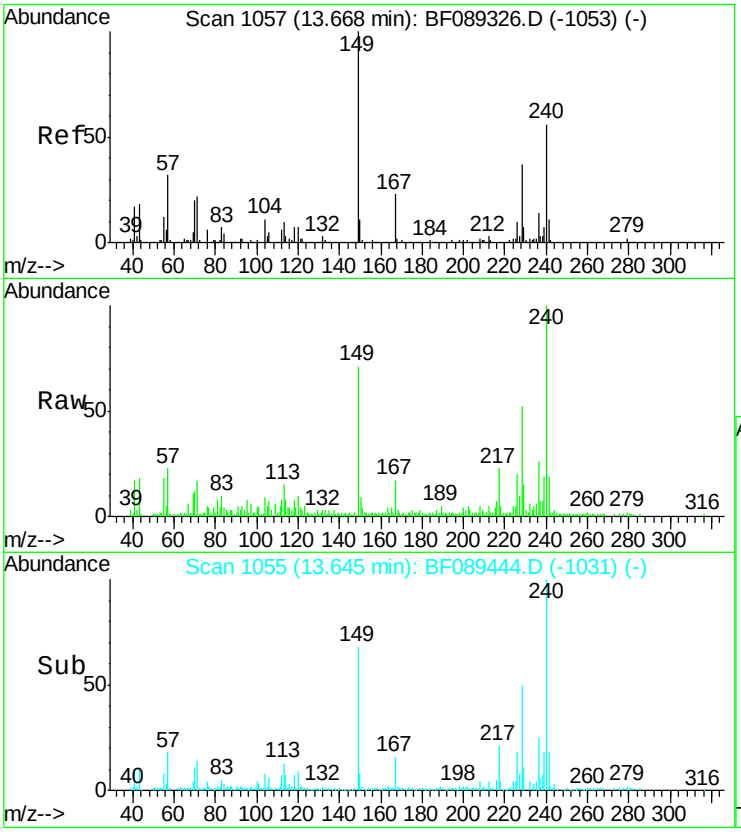


#82
Chrysene
Concen: 44.81 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.06 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:228 Resp: 238001

Ion	Ratio	Lower	Upper
228	100		
226	35.8	24.2	36.2
229	21.1	15.9	23.9



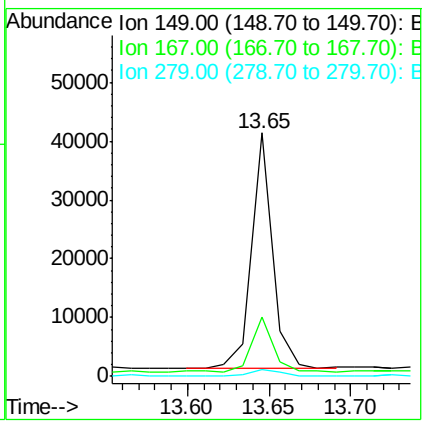


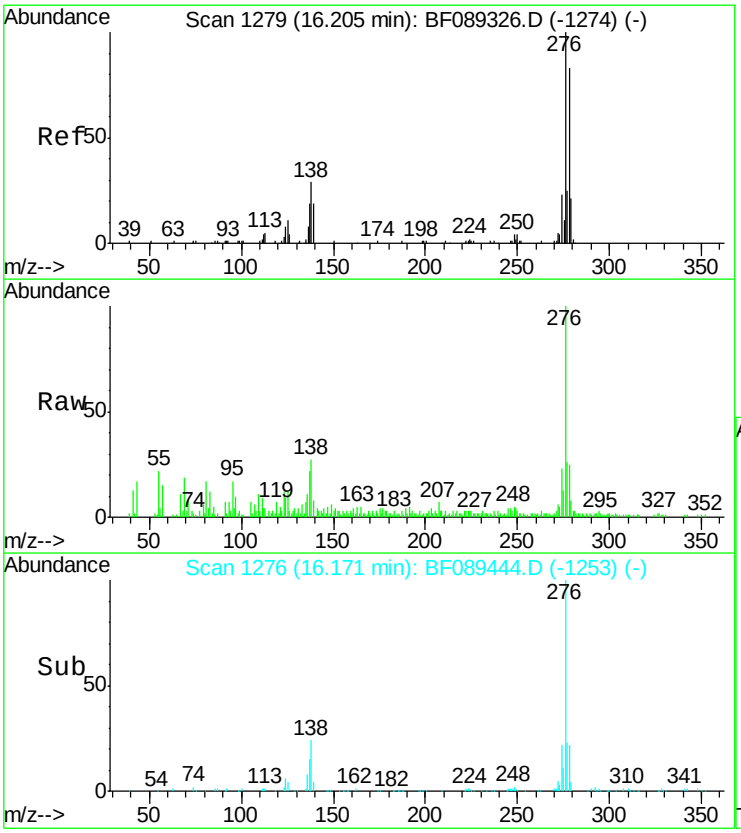
#83
Bis(2-ethylhexyl)phthalate
Concen: 8.09 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 35650

Ion	Ratio	Lower	Upper
149	100		
167	24.5	18.8	28.2
279	3.0	1.4	2.0#

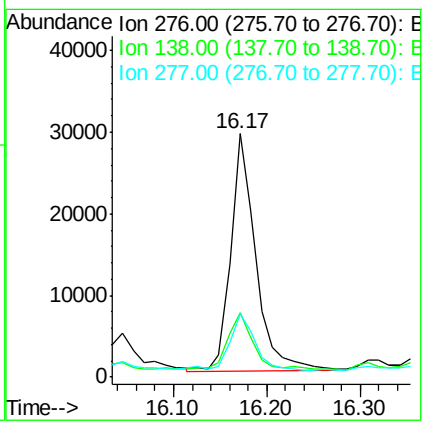


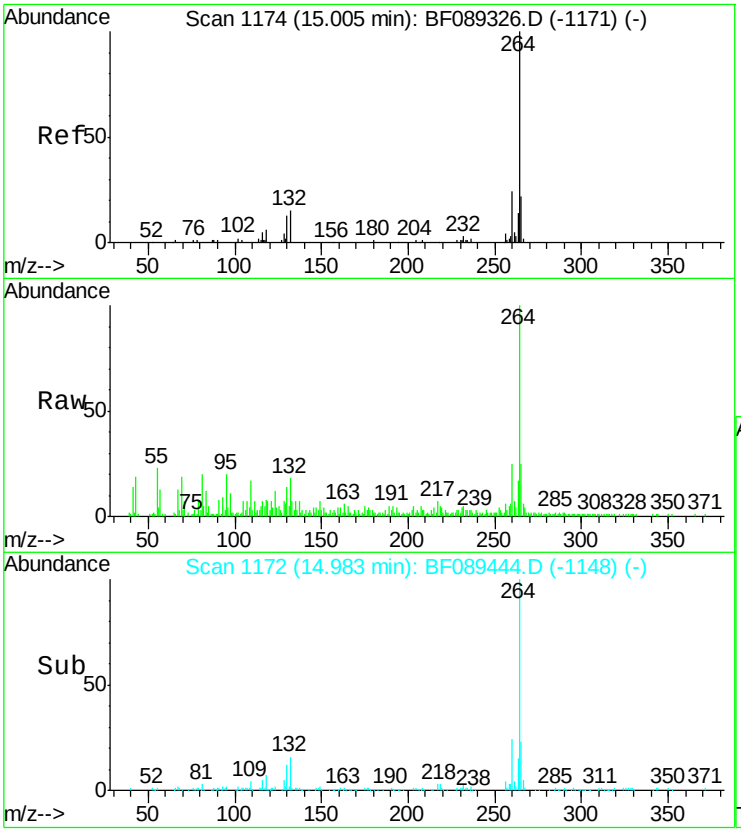


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.52 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:276 Resp: 54831

Ion	Ratio	Lower	Upper
276	100		
138	25.6	23.0	34.4
277	23.4	20.2	30.4



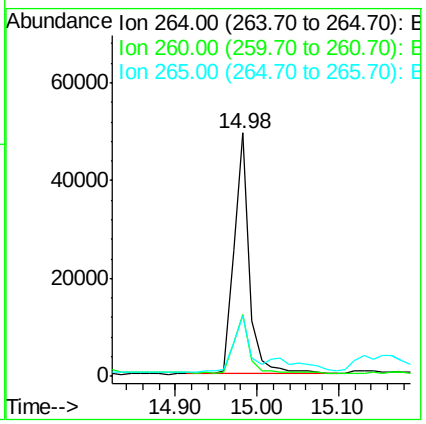


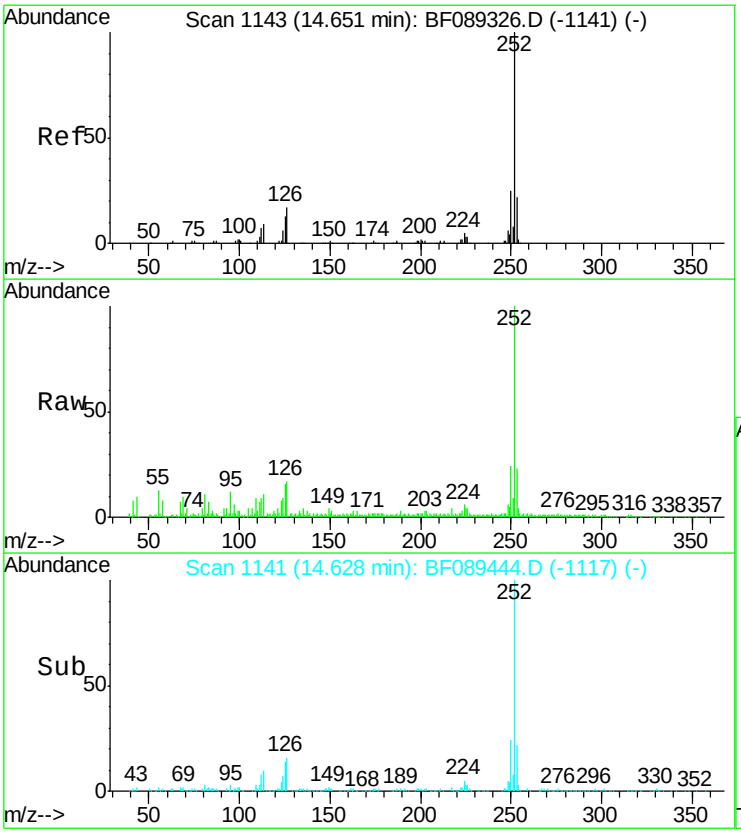
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 64654

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.0	28.4
265	24.7	17.5	26.3

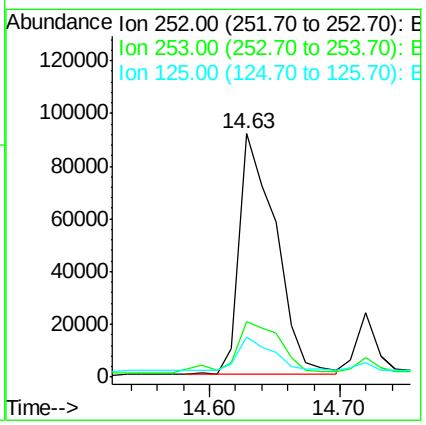


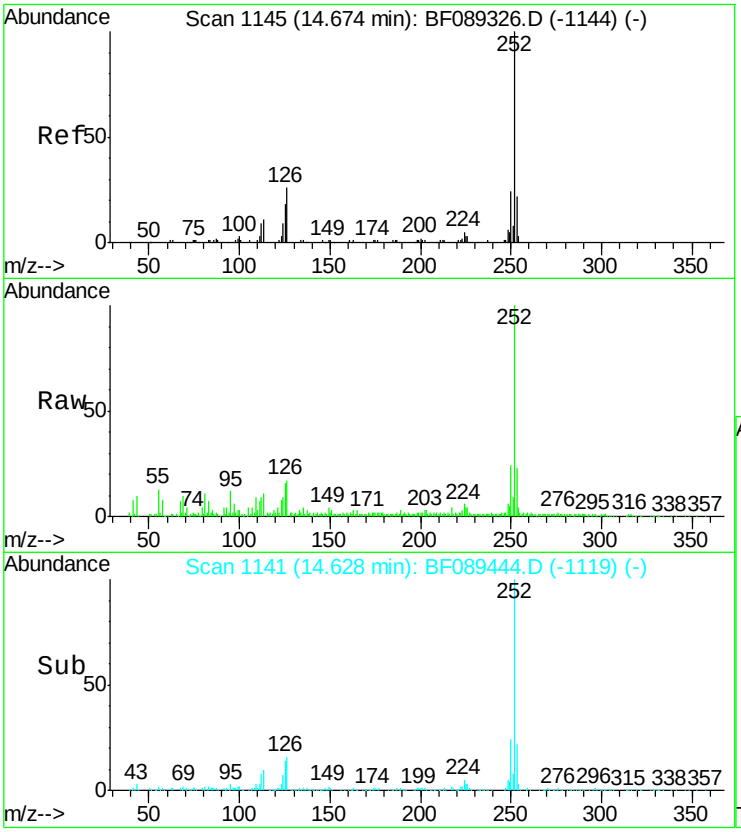


#87
Benzo(b)fluoranthene
Concen: 43.89 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:252 Resp: 176241

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	16.4	9.7	14.5#



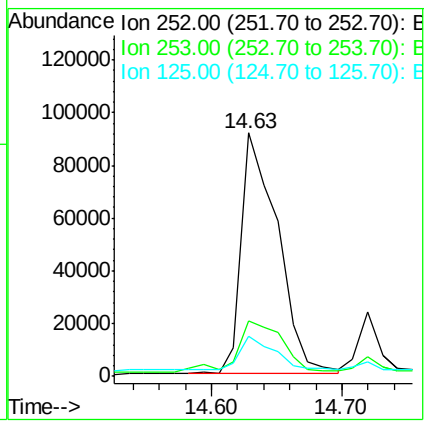


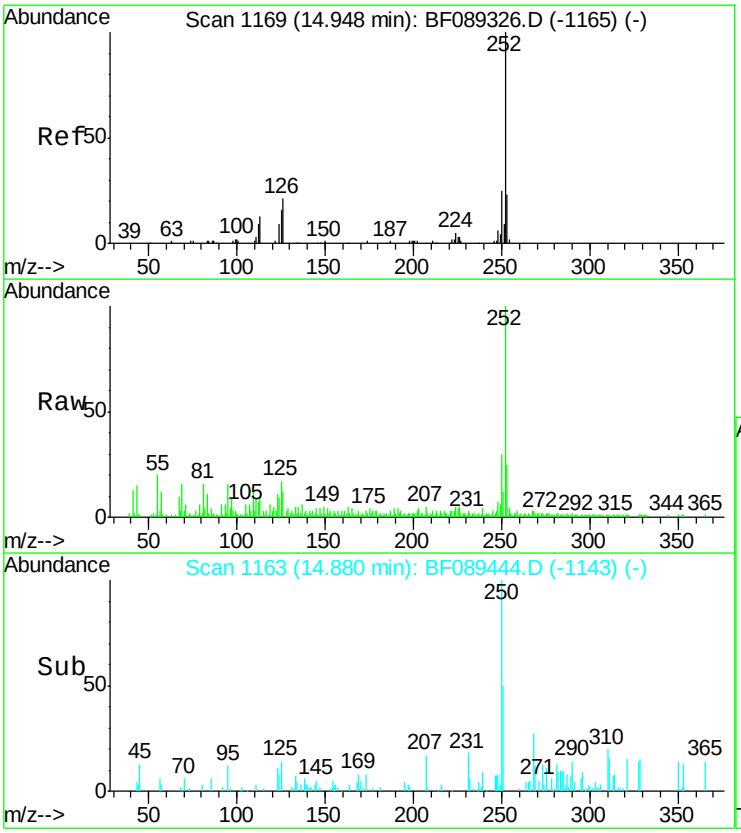
#88
Benzo(k)fluoranthene
Concen: 47.74 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.05 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 176241

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	16.4	10.7	16.1#

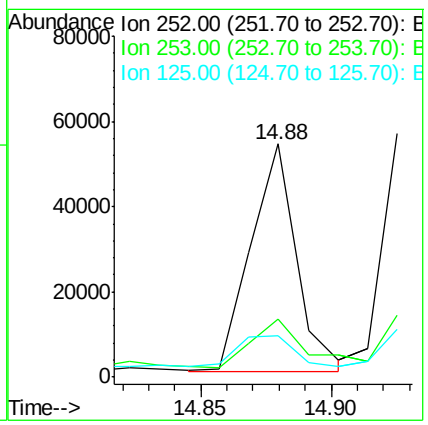


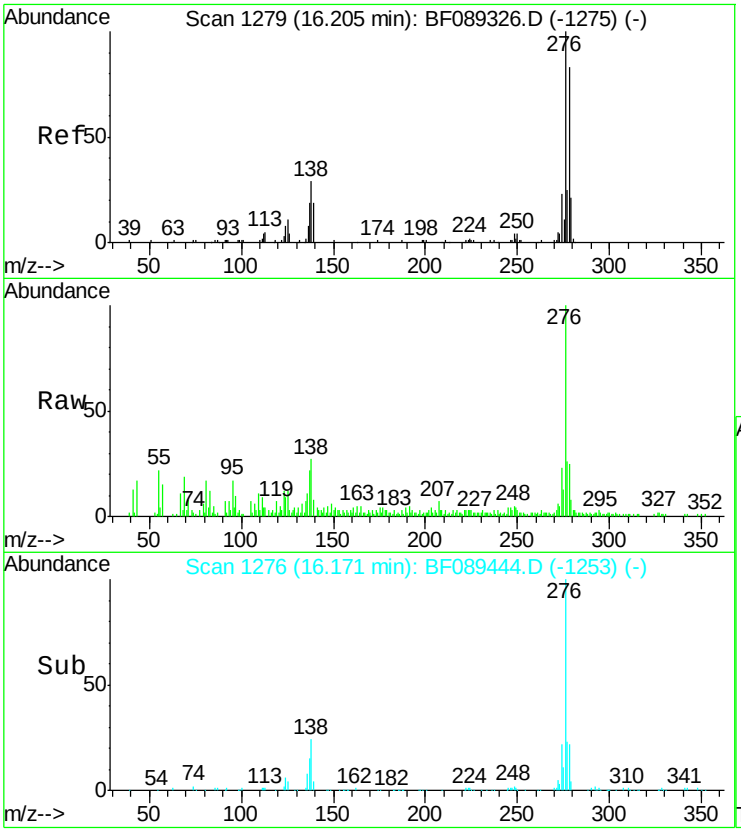


#89
Benzo(a)pyrene
Concen: 17.94 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.07 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:252 Resp: 64631

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	17.5	12.4	18.6



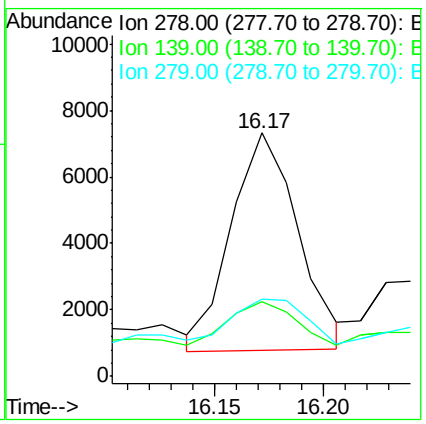


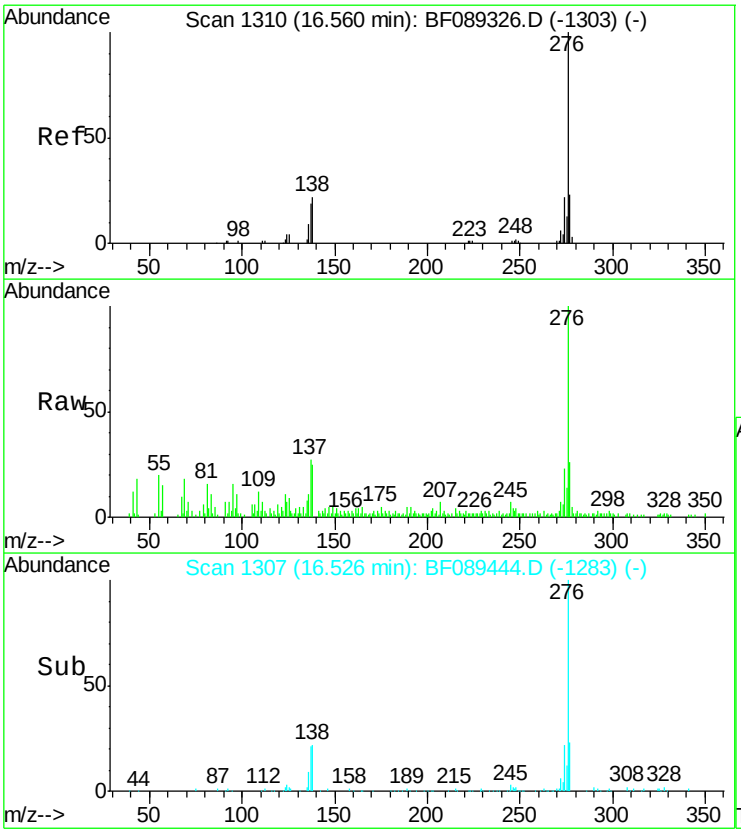
#90
Dibenzo(a,h)anthracene
Concen: 4.93 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 13996

Ion	Ratio	Lower	Upper
278	100		
139	30.7	16.3	24.5#
279	31.5	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 19.06 ng
RT: 16.53 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF089444.D
Acq: 30 Jul 2016 8:39

Tgt Ion:276 Resp: 53156

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	25.1	21.4	32.0