Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 01 01:02:00 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	46133	20.00	ng		-0.03
21) Naphthalene-d8	7.80	136	174930	20.00	ng		-0.02
38) Acenaphthene-d10	9.54	164	74624	20.00	ng		-0.03
63) Phenanthrene-d10	11.02	188	116636	20.00	ng		-0.03
75) Chrysene-d12	13.65	240	98618	20.00	ng		-0.02
86) Perylene-d12	14.98	264	91446	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.08	112	203509	70.44	ng		-0.02
7) Phenol-d6	6.17	99	282906	74.09	ng		-0.03
23) Nitrobenzene-d5	7.08	82	189730	64.02	ng		-0.03
41) 2,4,6-Tribromophenol	10.33	330	41486	67.12	ng		-0.03
44) 2-Fluorobiphenyl	8.88	172	340228	66.91	ng		-0.03
78) Terphenyl-d14	12.59	244	202199	47.99	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	70135	54.88	ng	#	26
9) Benzaldehyde	6.28	77	5665	3.04	ng		84
19) n-Nitroso-di-n-propylamine	7.08	70	25011	10.86	ng	#	83
49) Dimethylphthalate	9.28	163	64103	11.29	ng		99
55) 4-Nitrophenol	9.75	139	3388	11.40	ng	#	4
56) 2,4-Dinitrotoluene	9.54	165	9445	6.15	ng	#	7
57) Fluorene	10.09	166	10875	2.08	ng	#	98
66) 4-Bromophenyl-phenylether	10.33	248	3041	2.73	ng	#	1
70) Phenanthrene	11.04	178	239630	39.84	ng		99
71) Anthracene	11.08	178	79603	11.90	ng		99
72) Carbazole	11.26	167	15984	2.84	ng		97
74) Fluoranthene	12.23	202	723905	114.40	ng		98
77) Pyrene	12.45	202	556158	74.41	ng		98
80) Benzo(a)anthracene	13.63	228	362104	65.06	ng		97
82) Chrysene	13.63	228	362104	61.12	ng		98
85) Indeno(1,2,3-cd)pyrene	16.17	276	147927	35.12	ng		99
87) Benzo(b)fluoranthene	14.64	252	567974	100.01	ng		98
88) Benzo(k)fluoranthene	14.64	252	567974	108.78	ng		98
89) Benzo(a)pyrene	14.93	252	266951	52.40	ng		96
90) Dibenzo(a,h)anthracene	16.31	278	25911	6.46	ng		93
91) Benzo(g,h,i)perylene	16.51	276	128898	32.67	ng		99

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

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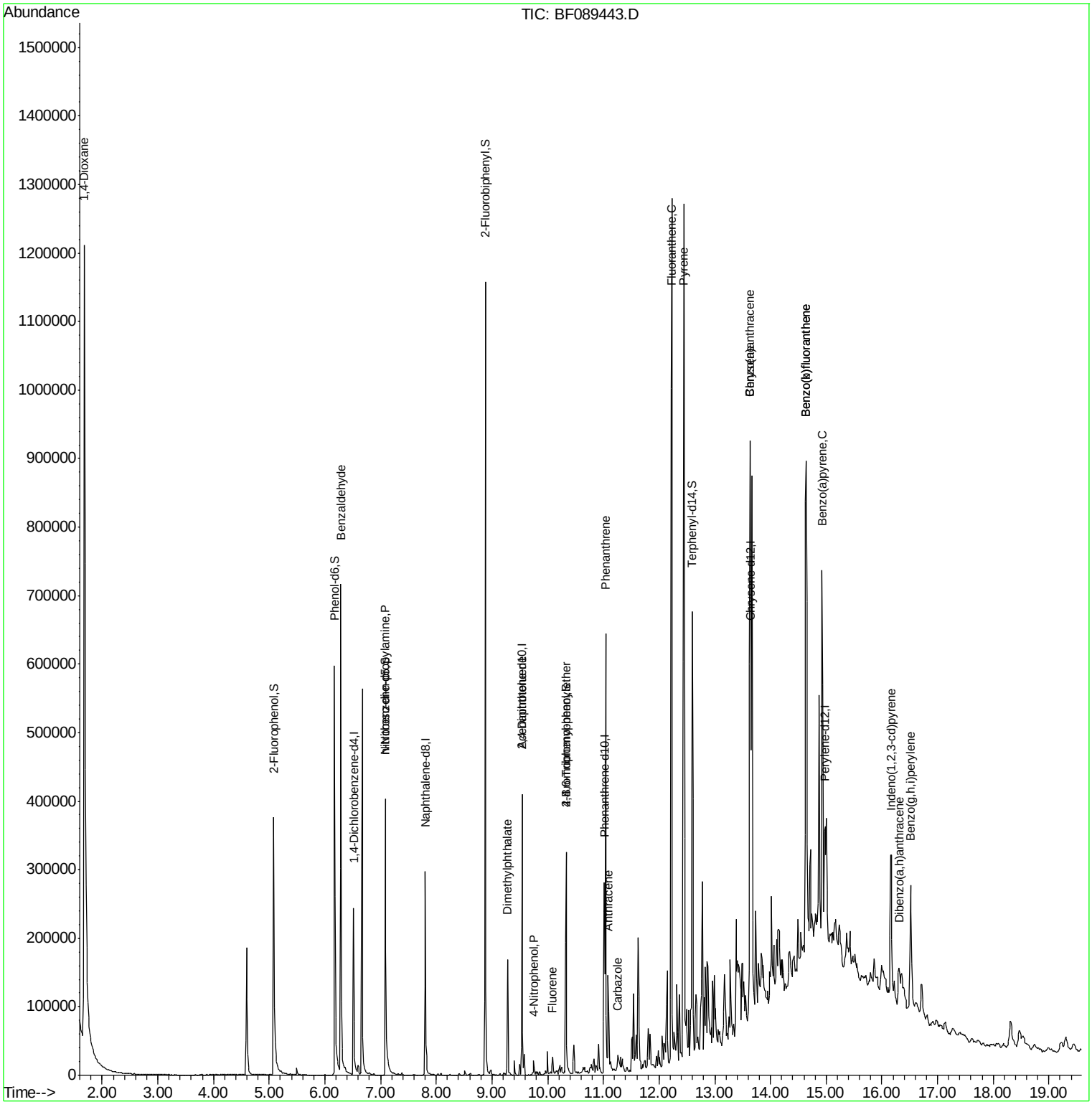
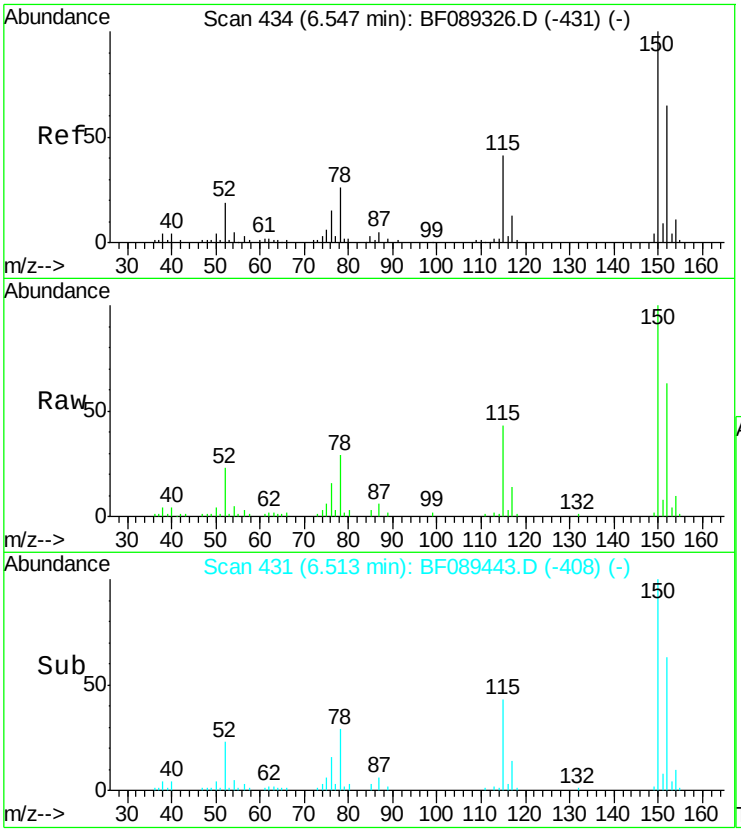
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration



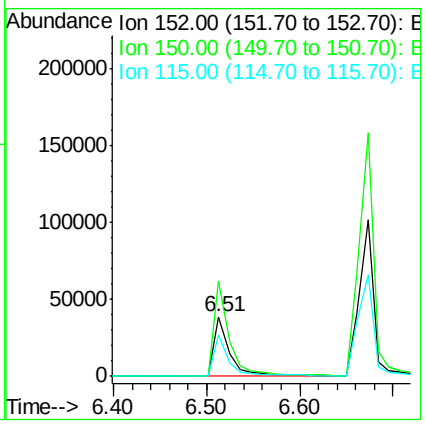


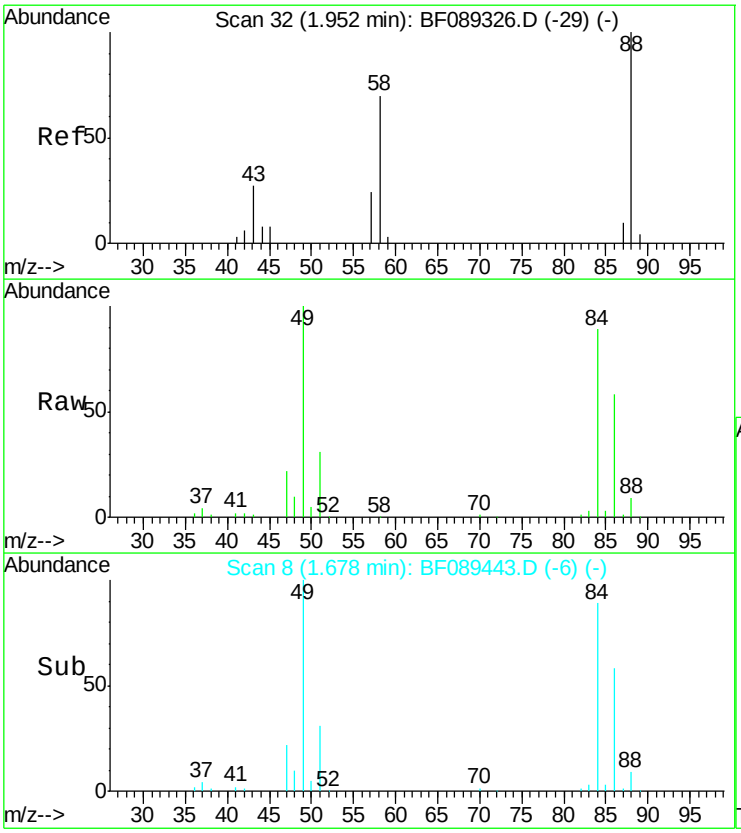
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 46133

Ion	Ratio	Lower	Upper
152	100		
150	158.9	129.5	194.3
115	68.6	51.4	77.2

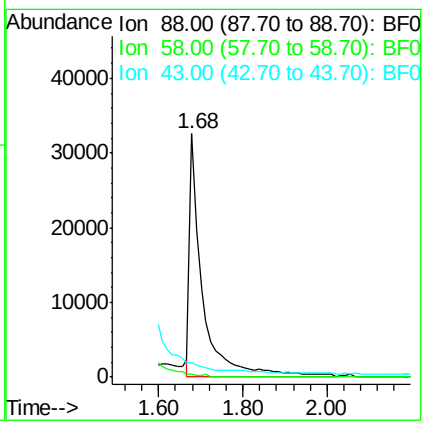


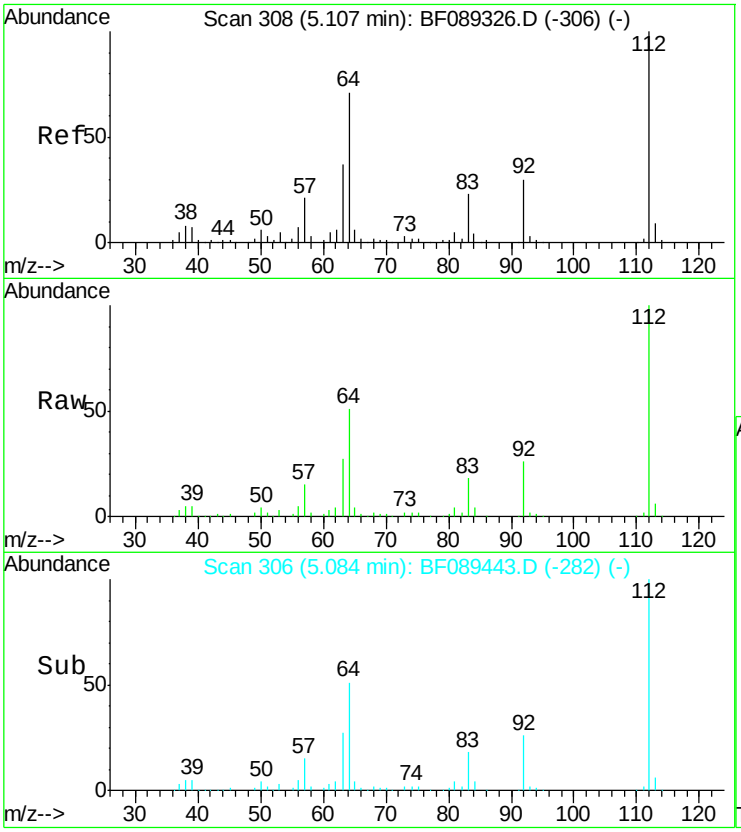


#2
1,4-Dioxane
Concen: 54.88 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion: 88 Resp: 70135

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



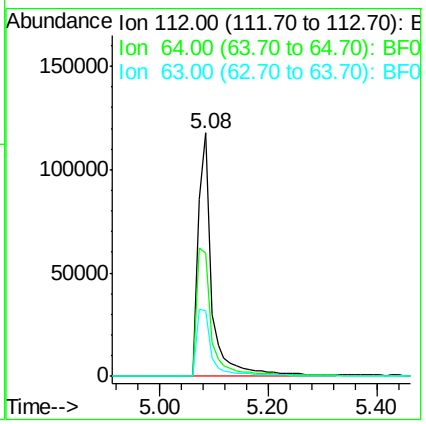


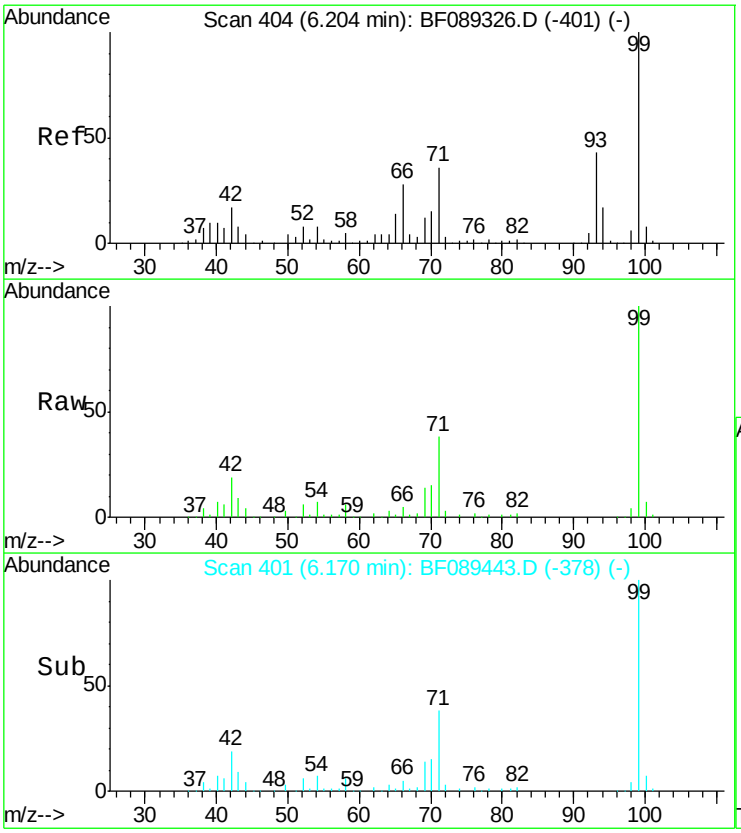
#5
2-Fluorophenol
Concen: 70.44 ng
RT: 5.08 min Scan# 306
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 203509

Ion	Ratio	Lower	Upper
112	100		
64	50.6	55.0	82.6#
63	27.1	29.4	44.2#

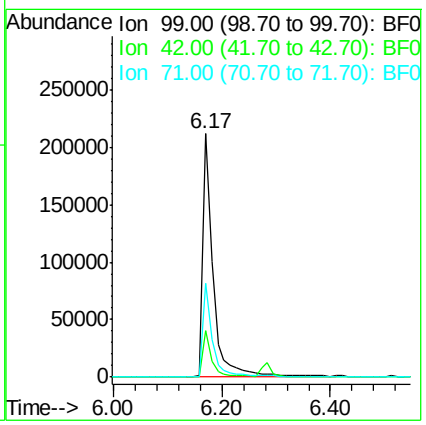


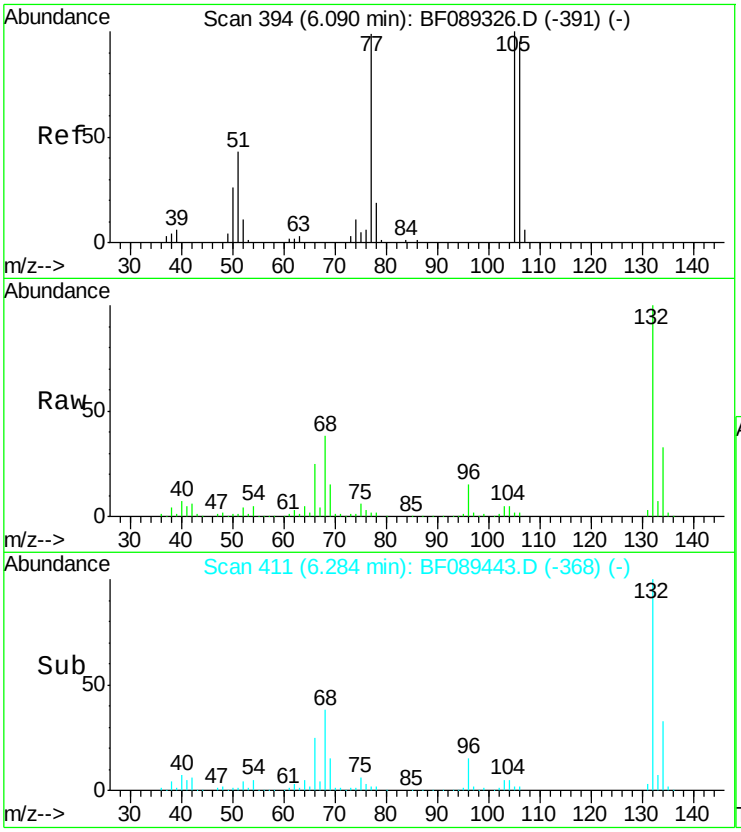


#7
Phenol-d6
Concen: 74.09 ng
RT: 6.17 min Scan# 401
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion: 99 Resp: 282906

Ion	Ratio	Lower	Upper
99	100		
42	18.9	13.6	20.4
71	38.3	29.4	44.2



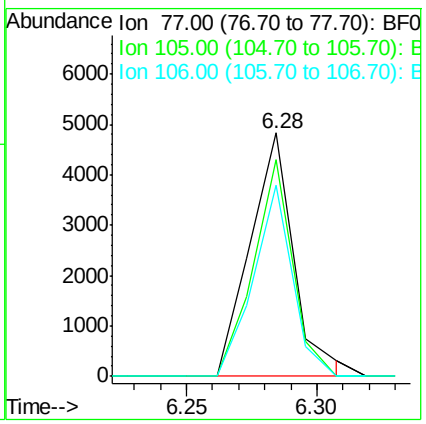


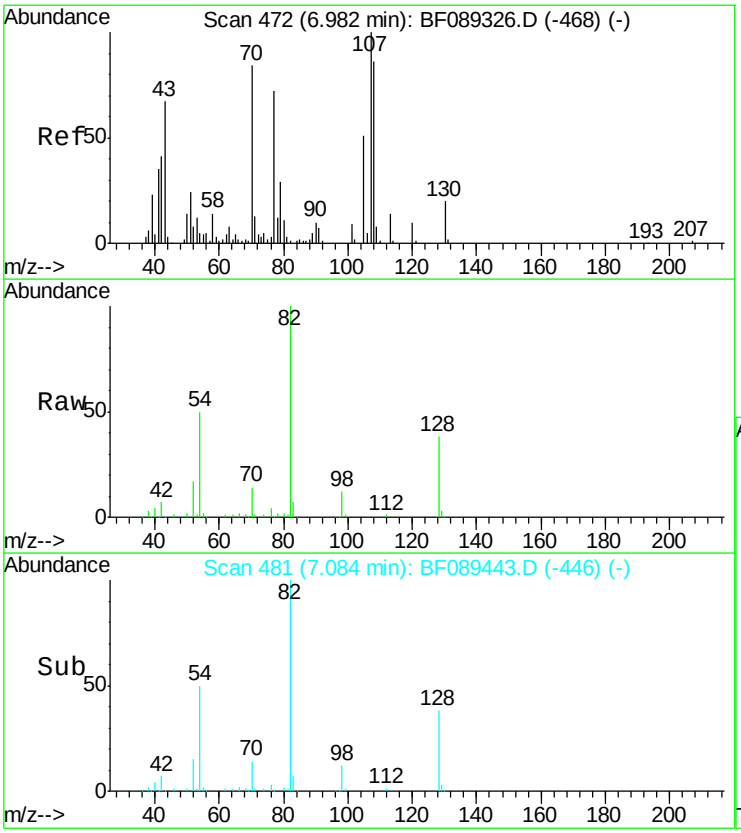
#9
Benzaldehyde
Concen: 3.04 ng
RT: 6.28 min Scan# 411
Delta R.T. 0.19 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 77 Resp: 5665

Ion	Ratio	Lower	Upper
77	100		
105	88.9	82.9	122.9
106	78.8	75.9	115.9

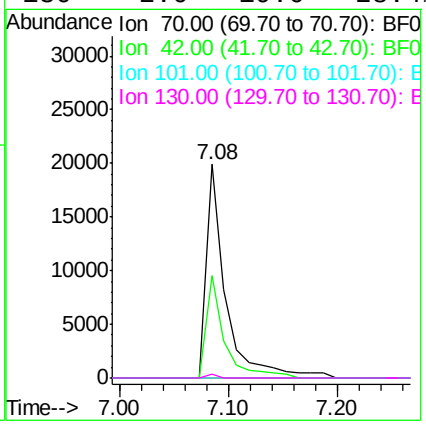


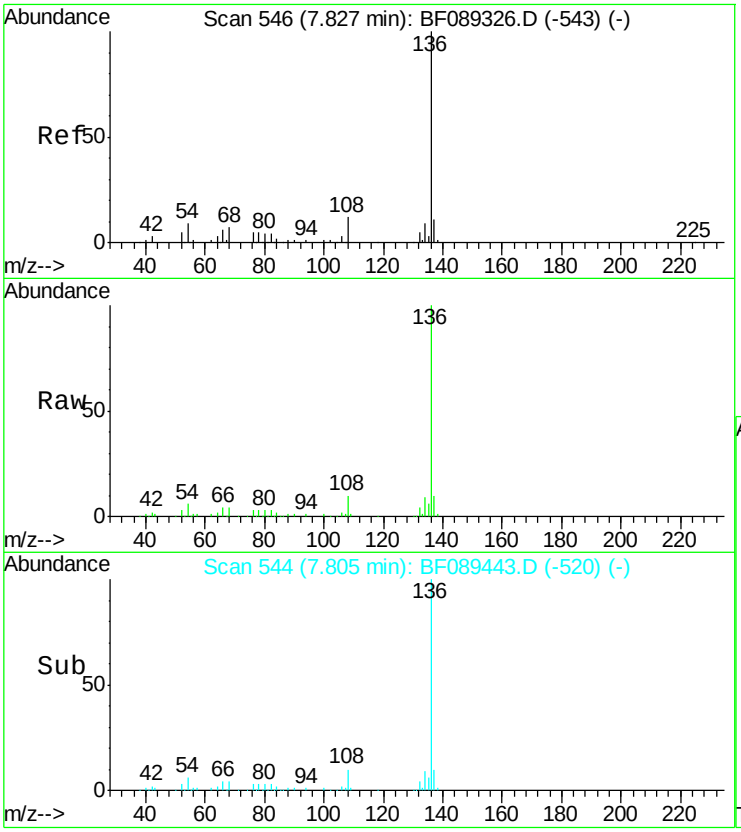


#19
n-Nitroso-di-n-propylamine
Concen: 10.86 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.10 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion: 70 Resp: 25011

Ion	Ratio	Lower	Upper
70	100		
42	47.8	38.6	57.8
101	0.0	8.3	12.5#
130	2.0	19.0	28.4#



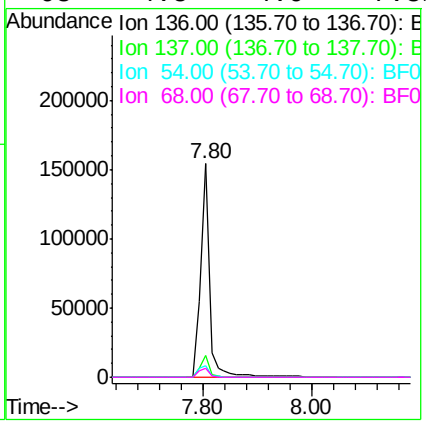


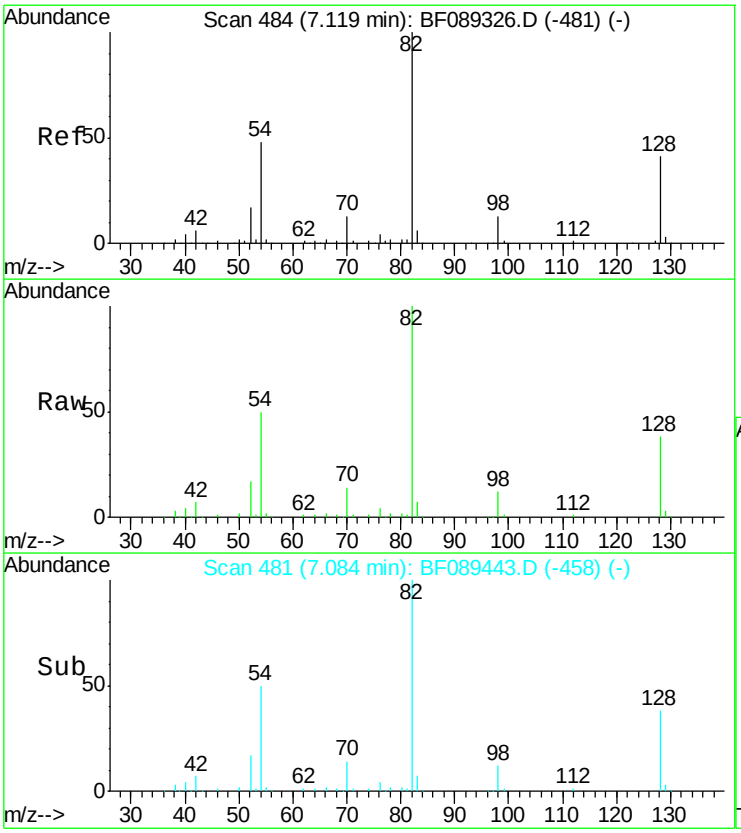
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 174930

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	5.6	7.0	10.4#
68	4.5	4.9	7.3#

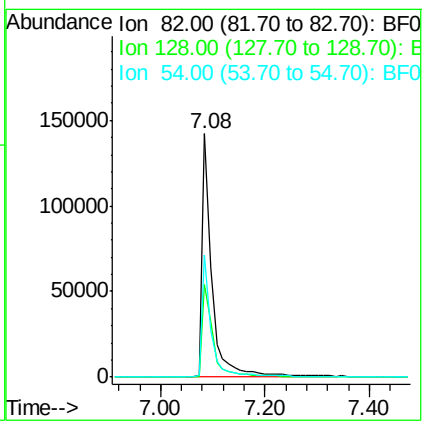


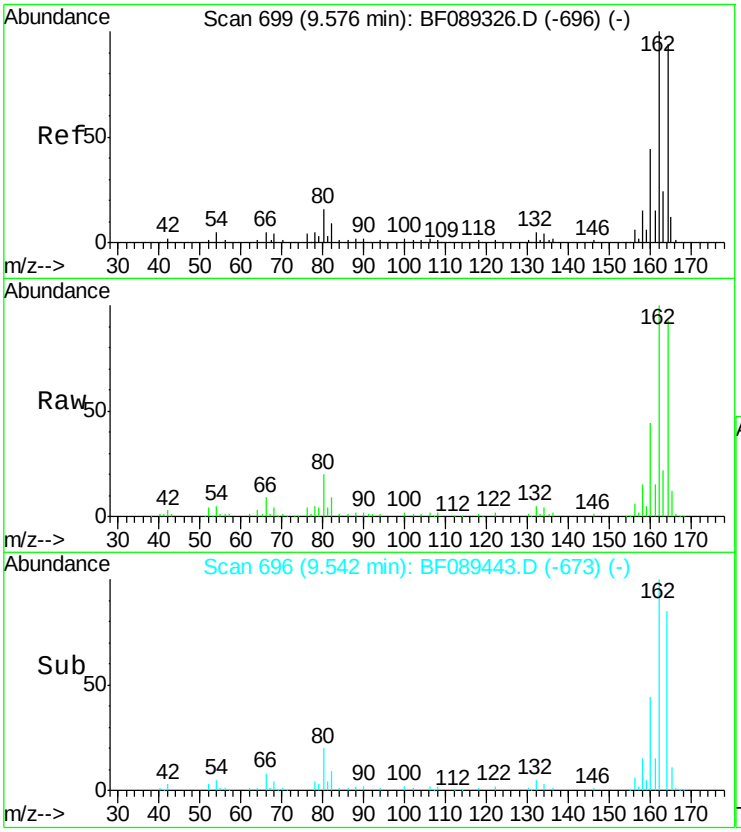


#23
Nitrobenzene-d5
Concen: 64.02 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion: 82 Resp: 189730

Ion	Ratio	Lower	Upper
82	100		
128	37.9	32.5	48.7
54	50.3	38.8	58.2



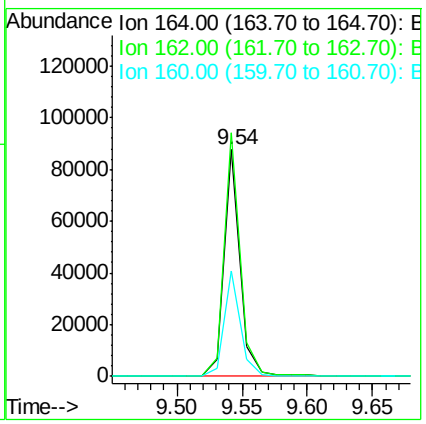


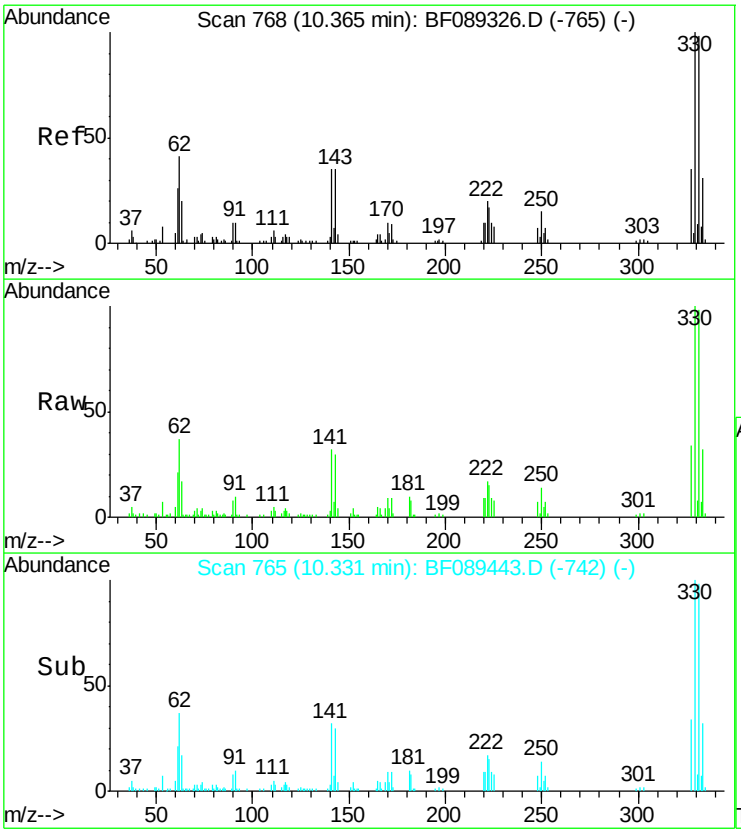
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 74624

Ion	Ratio	Lower	Upper
164	100		
162	107.3	83.7	125.5
160	46.7	37.8	56.6

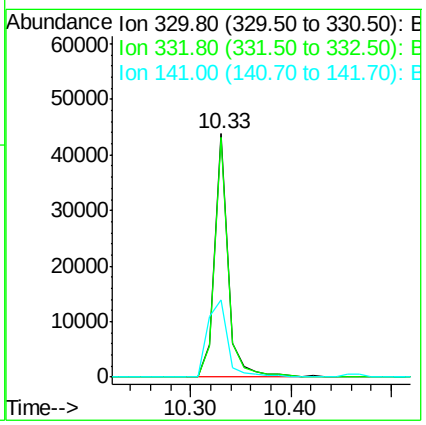


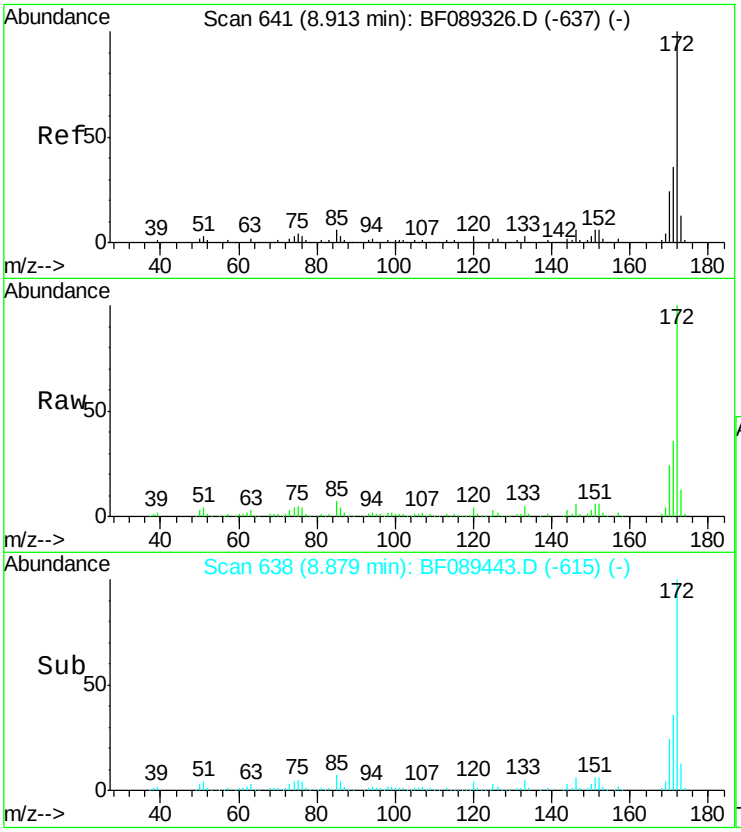


#41
2,4,6-Tribromophenol
Concen: 67.12 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:330 Resp: 41486

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.8	115.2
141	47.2	37.3	55.9



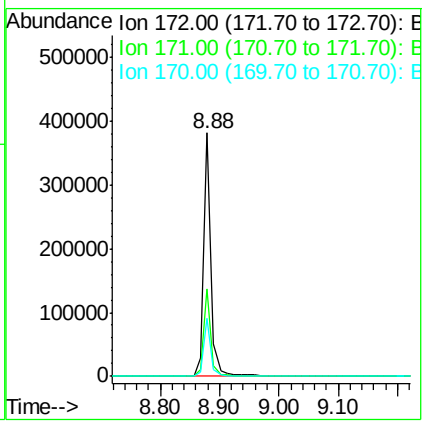


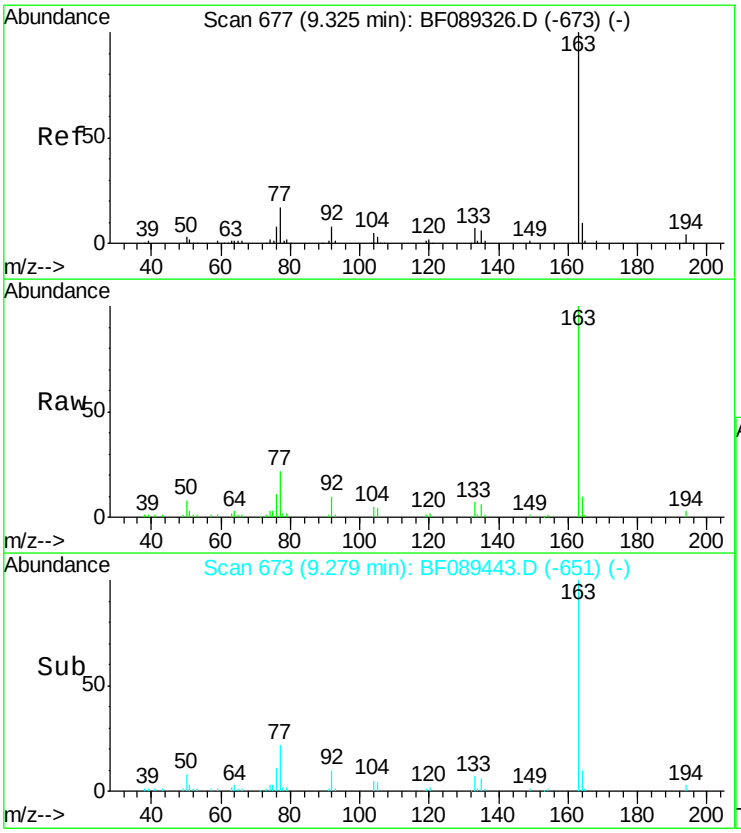
#44
2-Fluorobiphenyl
Concen: 66.91 ng
RT: 8.88 min Scan# 638
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 340228

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.8	19.2	28.8

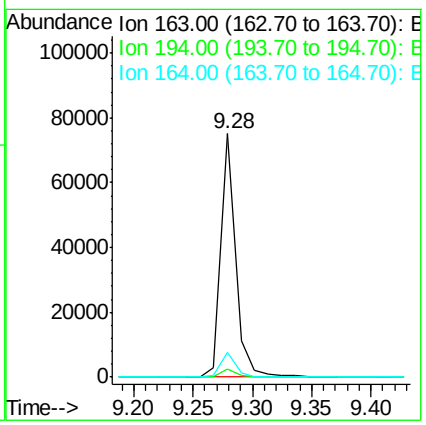


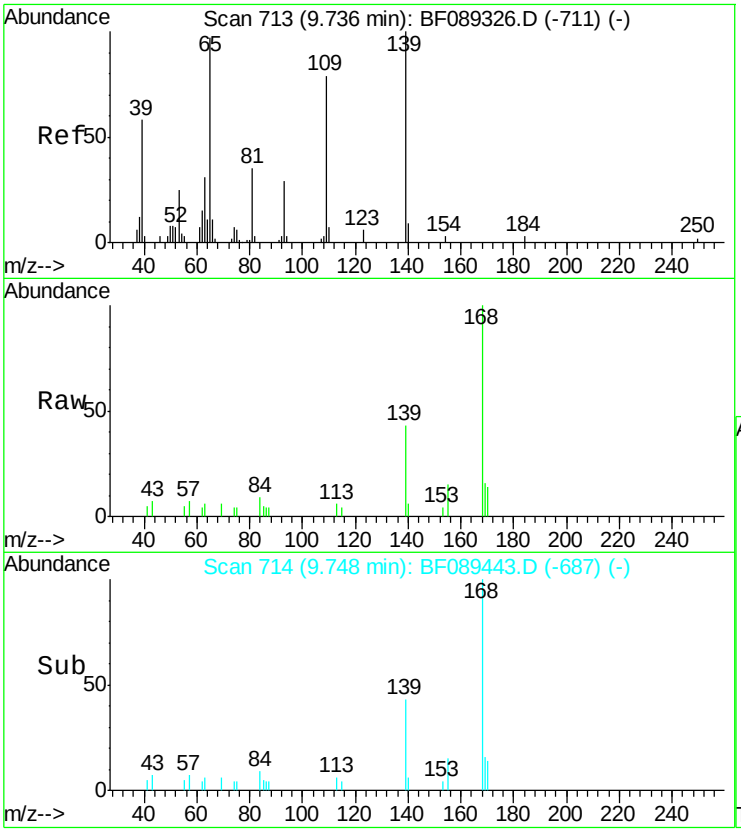


#49
Dimethylphthalate
Concen: 11.29 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:163 Resp: 64103

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.2	7.8	11.8



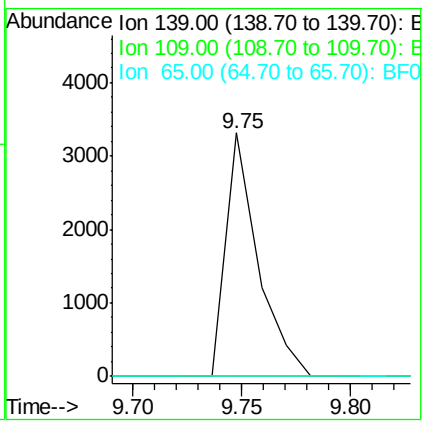


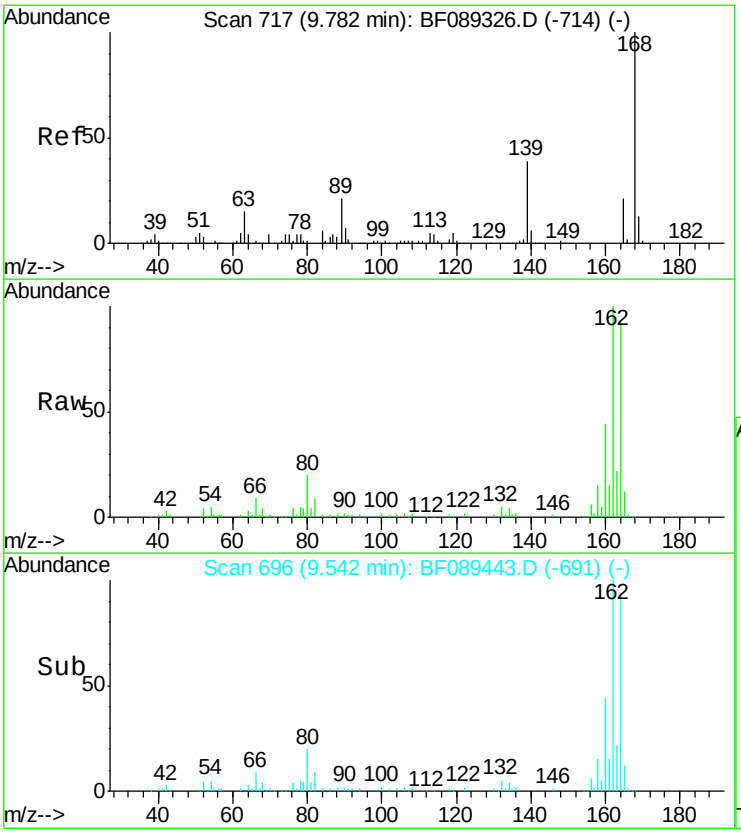
#55
4-Nitrophenol
Concen: 11.40 ng
RT: 9.75 min Scan# 714
Delta R.T. 0.01 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 3388

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

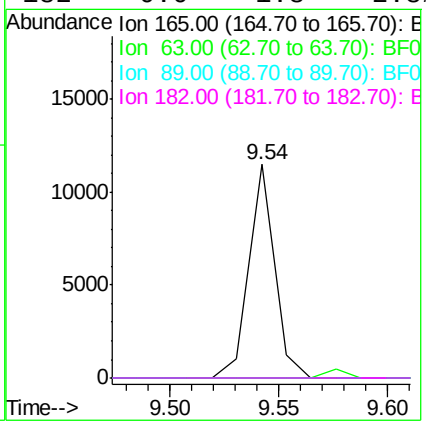


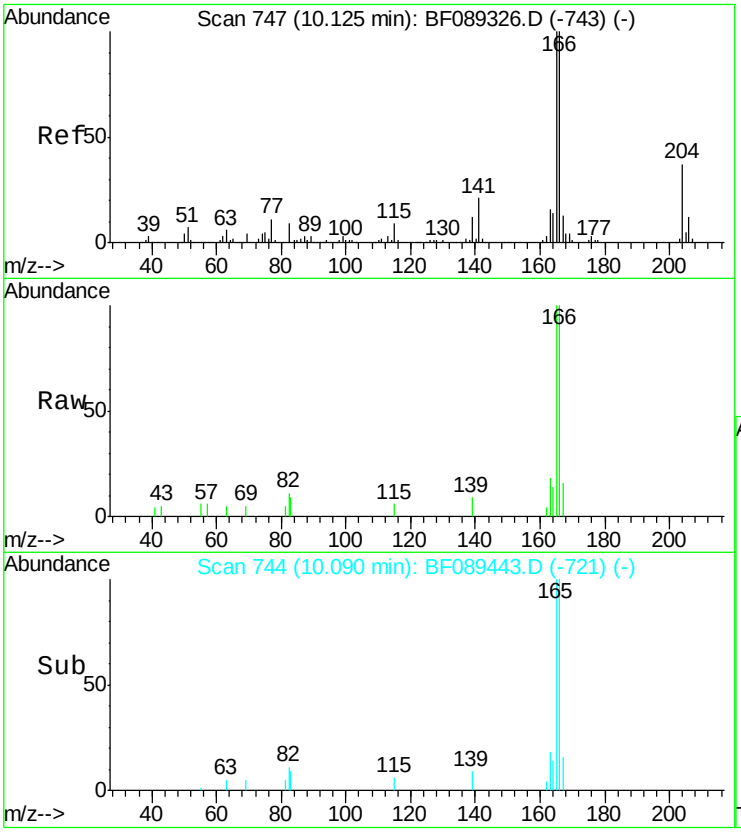


#56
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.24 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:165 Resp: 9445

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#



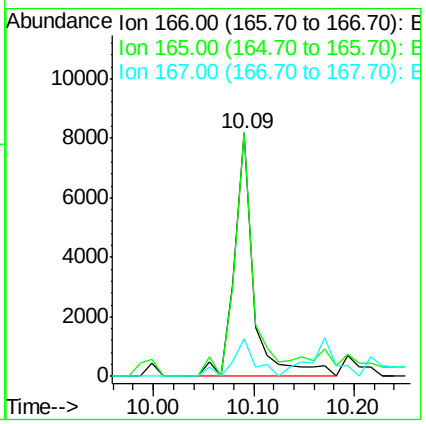


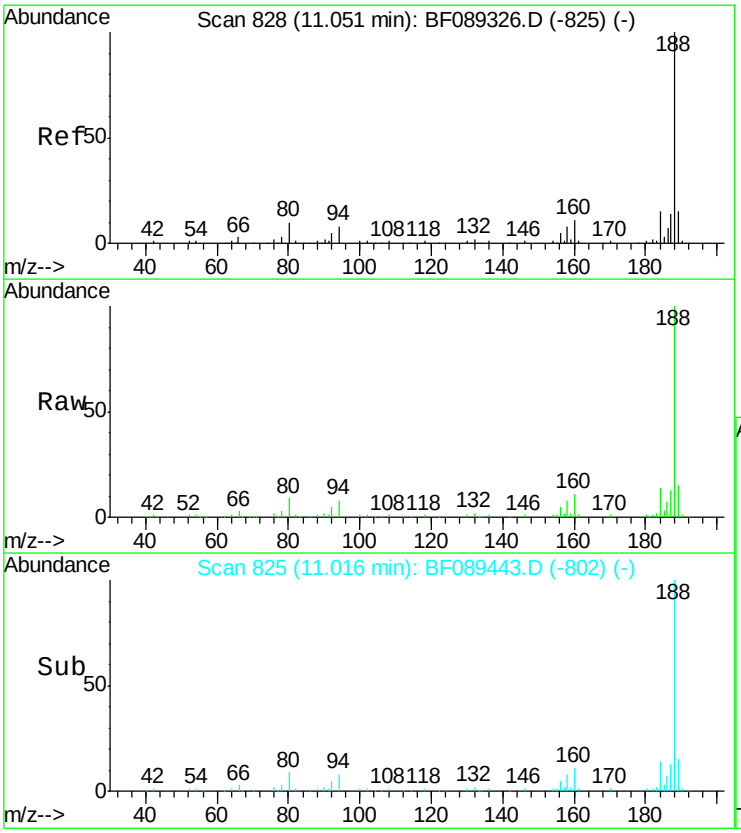
#57
Fluorene
Concen: 2.08 ng
RT: 10.09 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 10875

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.0	118.4
167	15.5	10.2	15.2#

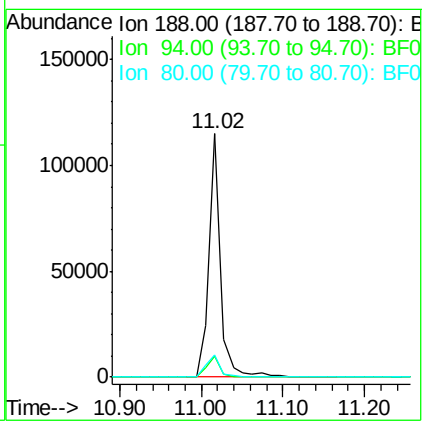


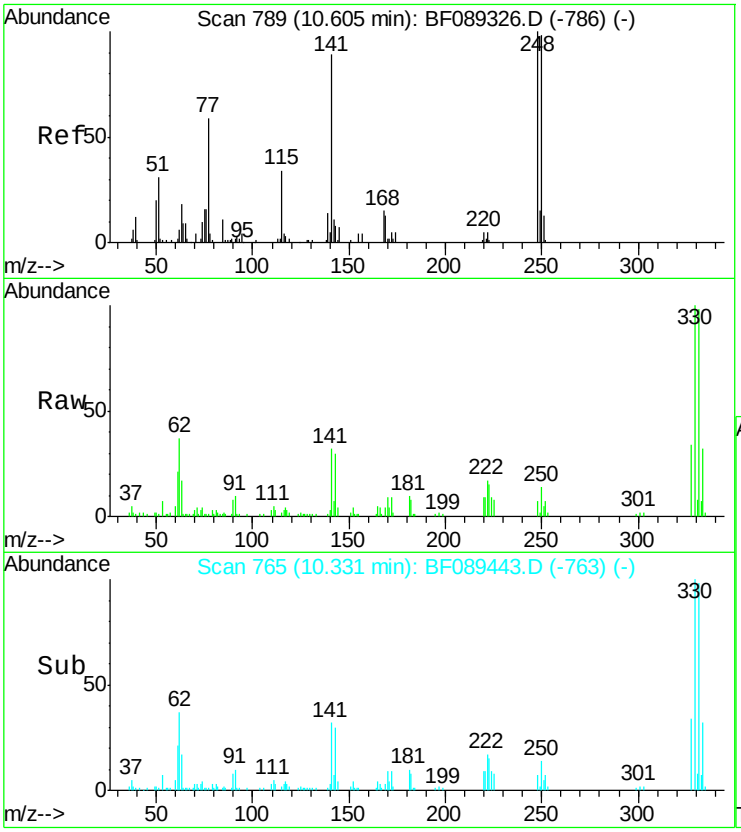


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:188 Resp: 116636

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.5	9.7
80	9.0	7.2	10.8



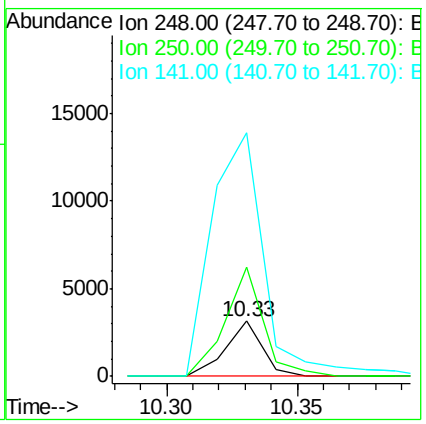


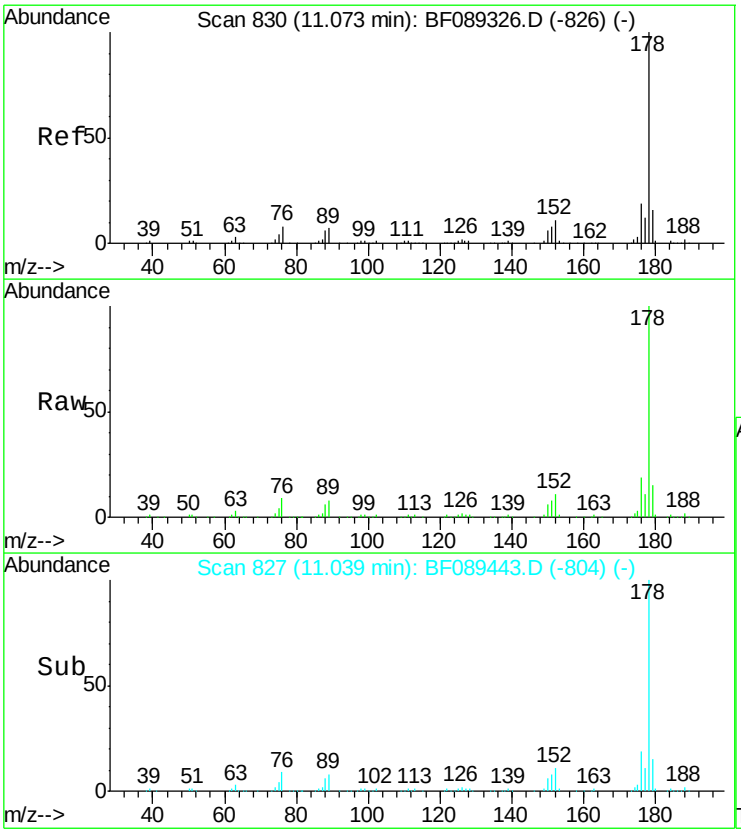
#66
4-Bromophenyl-phenylether
Concen: 2.73 ng
RT: 10.33 min Scan# 765
Delta R.T. -0.27 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 3041

Ion	Ratio	Lower	Upper
248	100		
250	199.3	78.2	117.2#
141	444.1	62.0	93.0#

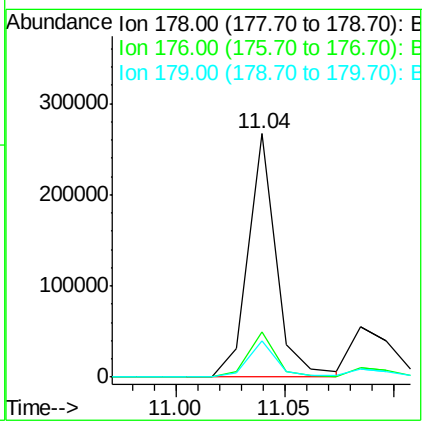


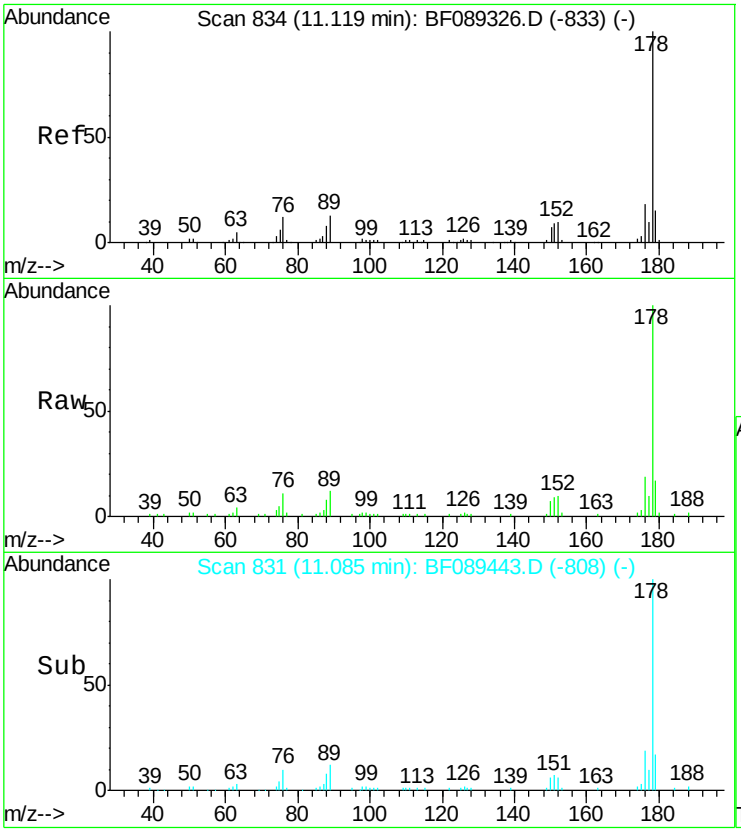


#70
Phenanthrene
Concen: 39.84 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:178 Resp: 239630

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.1	12.3	18.5



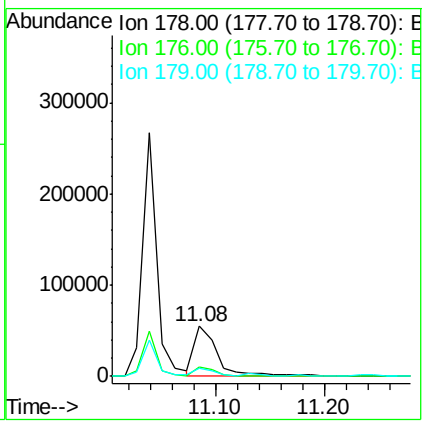


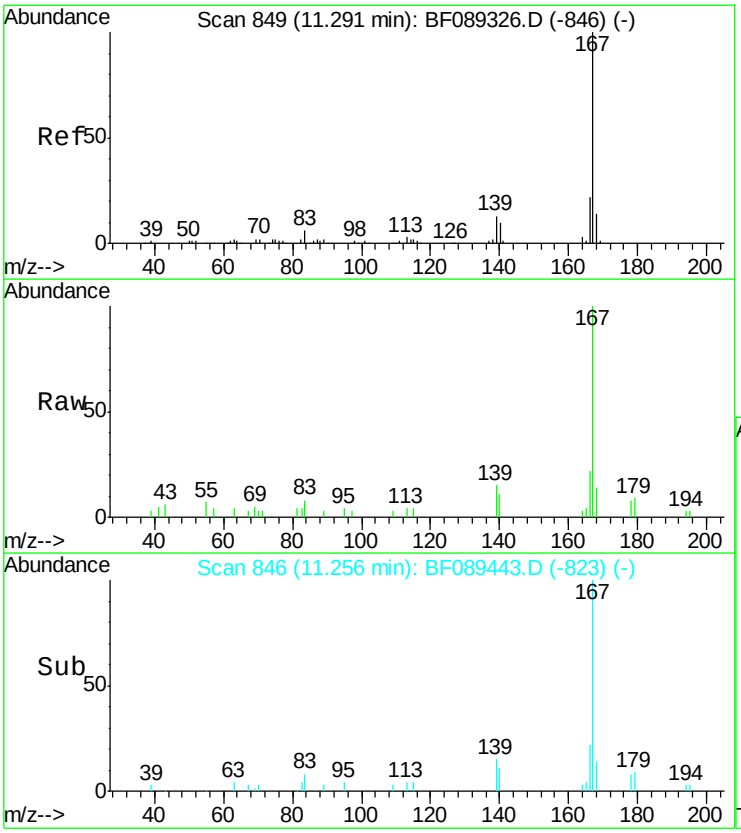
#71
Anthracene
Concen: 11.90 ng
RT: 11.08 min Scan# 831
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 79603

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	16.5	12.6	18.8

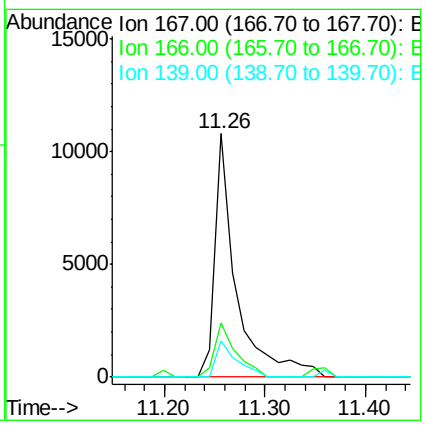


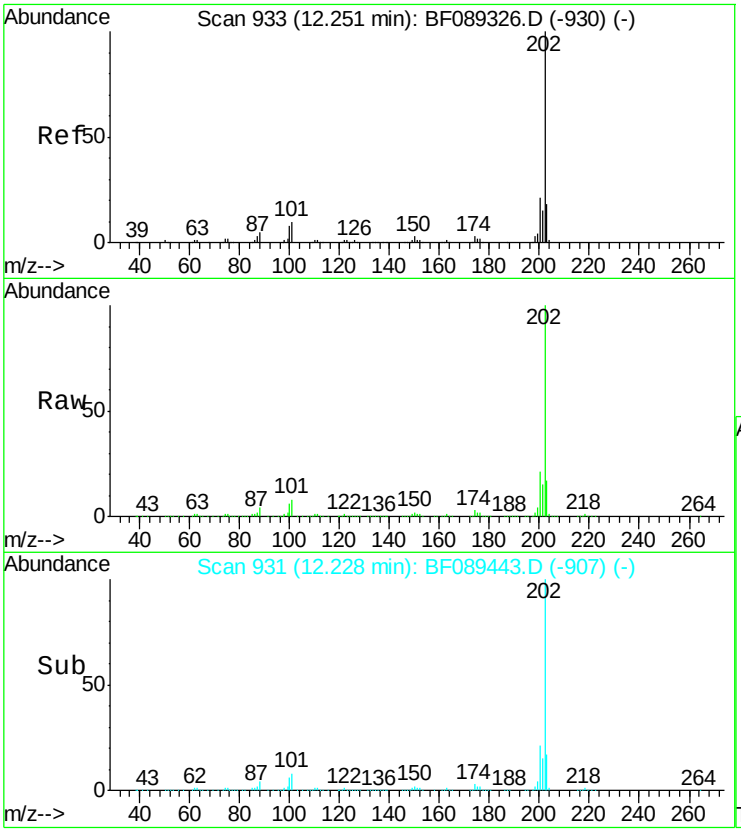


#72
Carbazole
Concen: 2.84 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:167 Resp: 15984

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	14.9	10.1	15.1



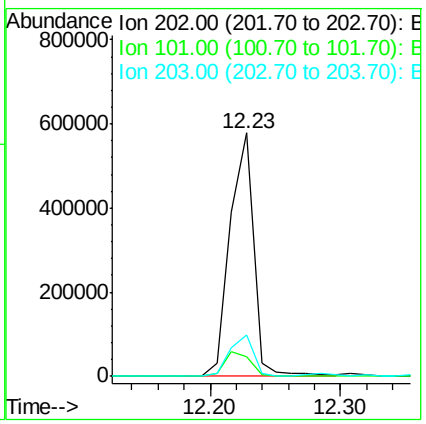


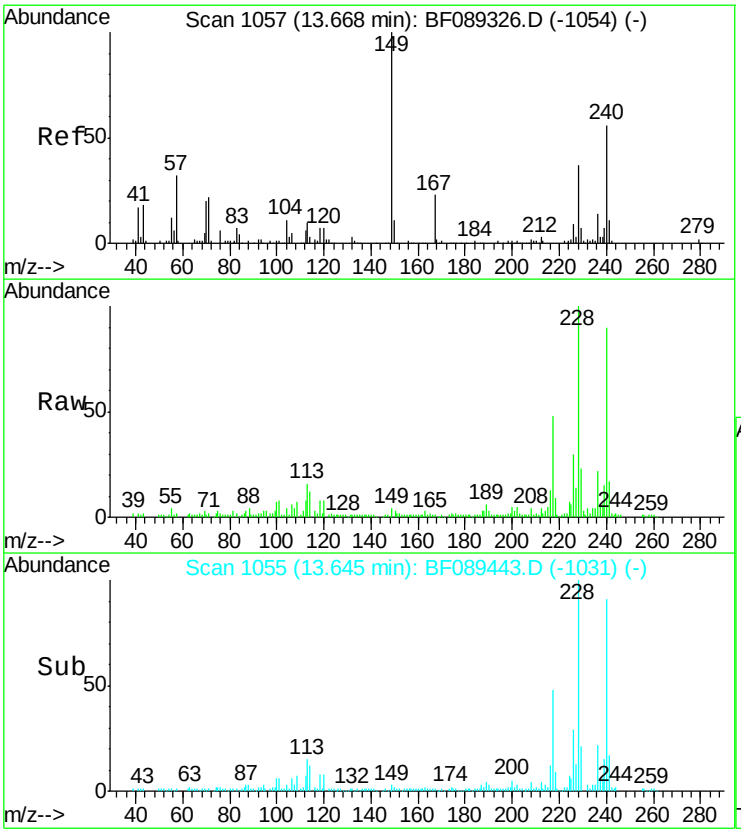
#74
Fluoranthene
Concen: 114.40 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 723905

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.9
203	17.1	0.0	37.3

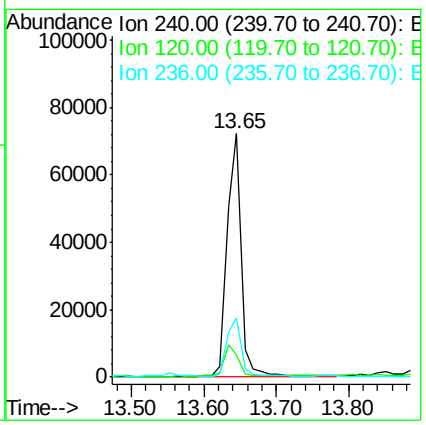


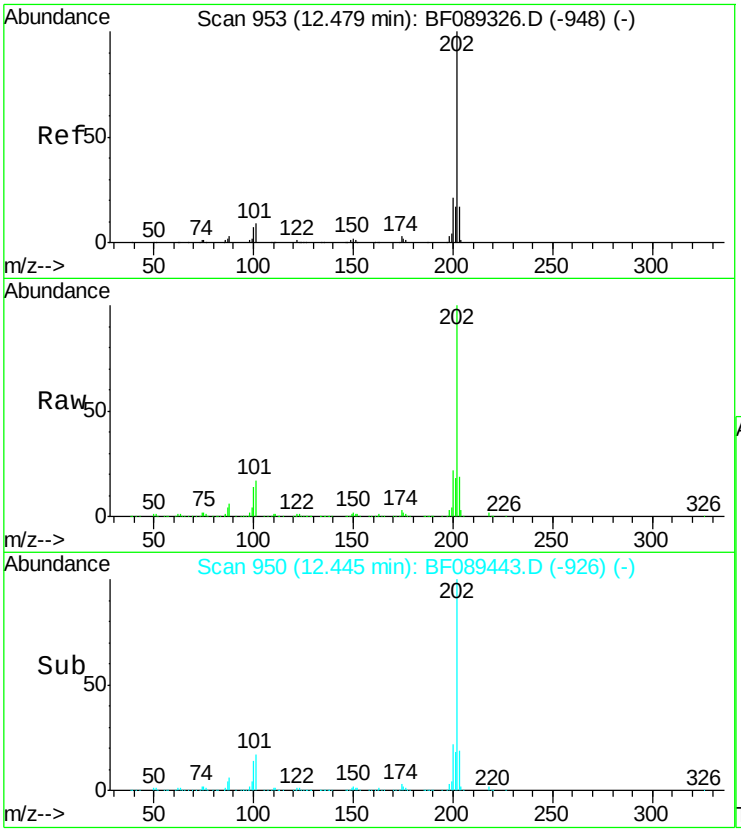


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:240 Resp: 98618

Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.1	13.7#
236	24.4	20.6	30.8



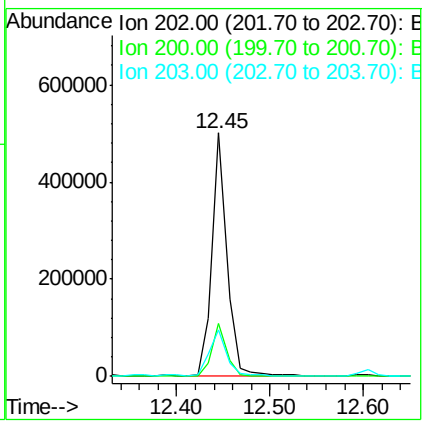


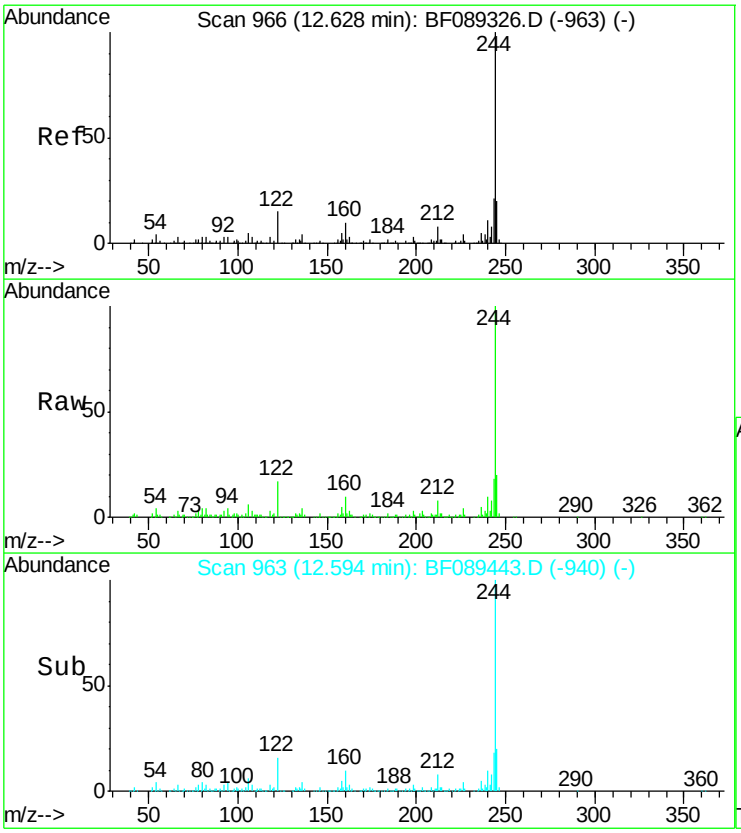
#77
Pyrene
Concen: 74.41 ng
RT: 12.45 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 556158

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.9	25.3
203	19.0	14.0	21.0

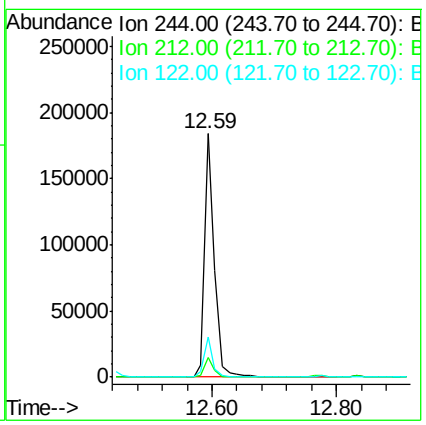


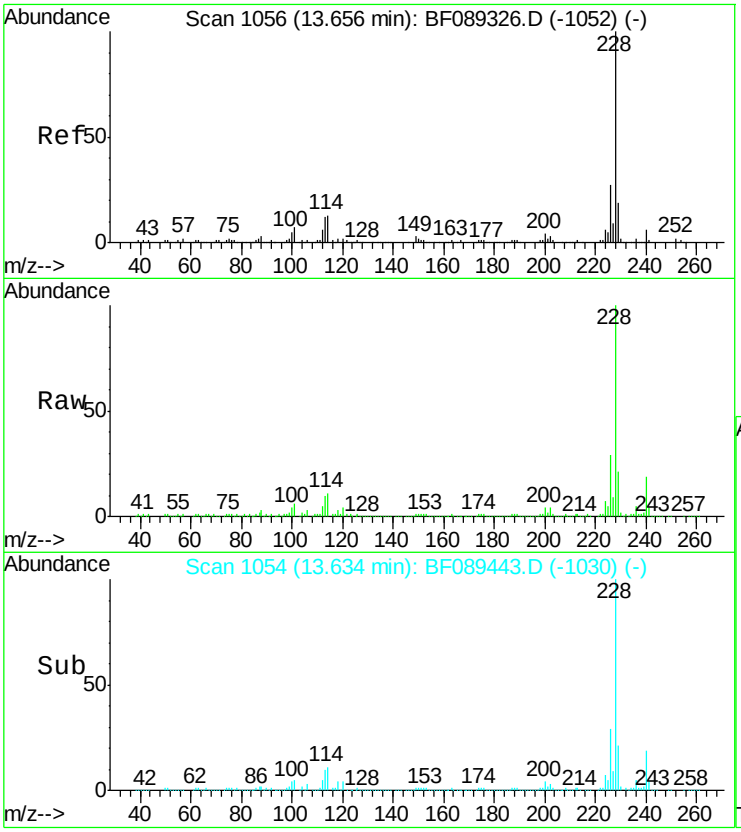


#78
Terphenyl-d14
Concen: 47.99 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:244 Resp: 202199

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	16.6	11.4	17.0



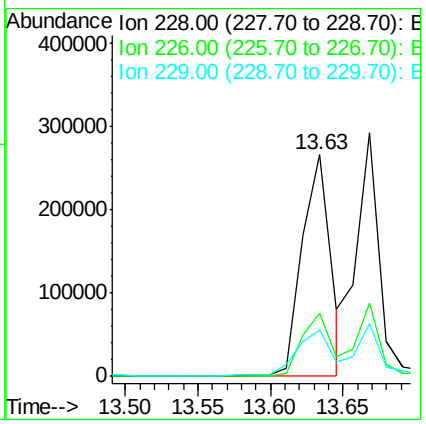


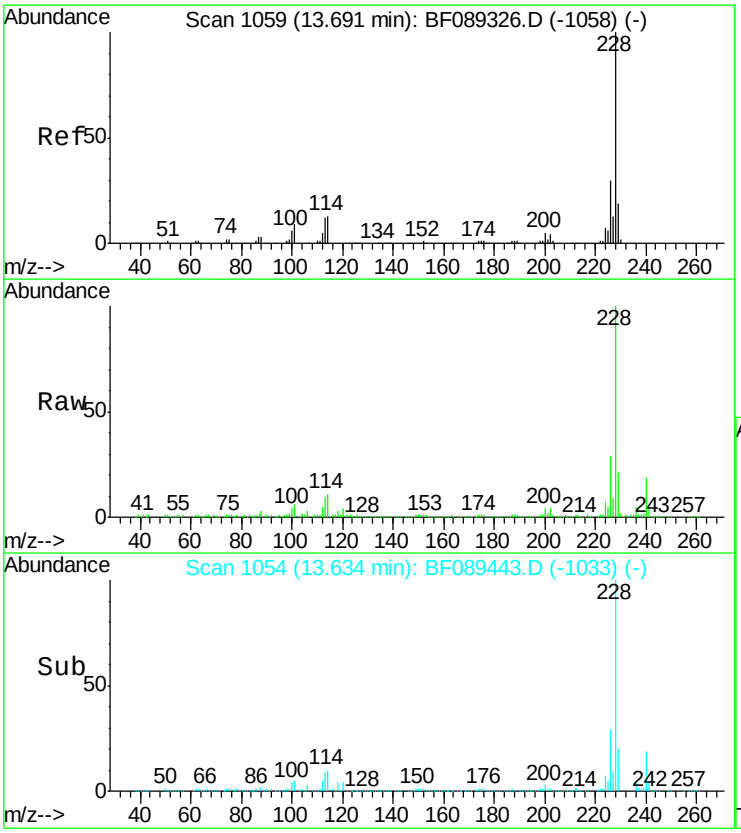
#80
Benzo(a)anthracene
Concen: 65.06 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 362104

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.2
229	20.9	15.9	23.9

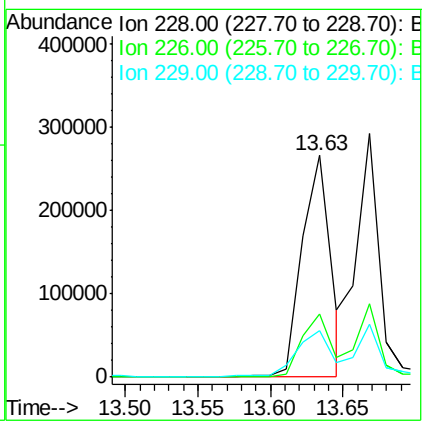


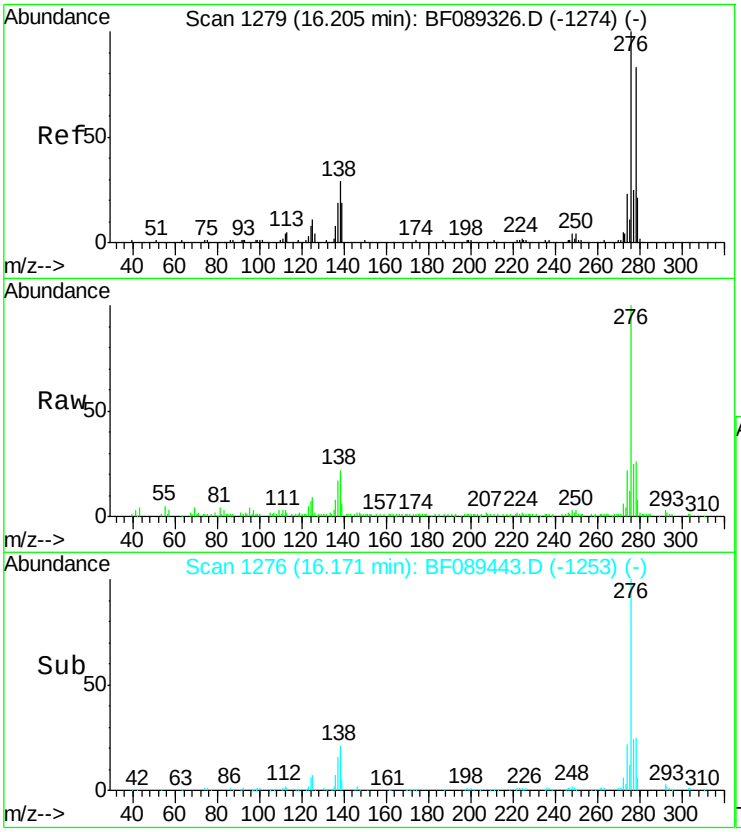


#82
Chrysene
Concen: 61.12 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.06 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:228 Resp: 362104

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	20.9	15.9	23.9



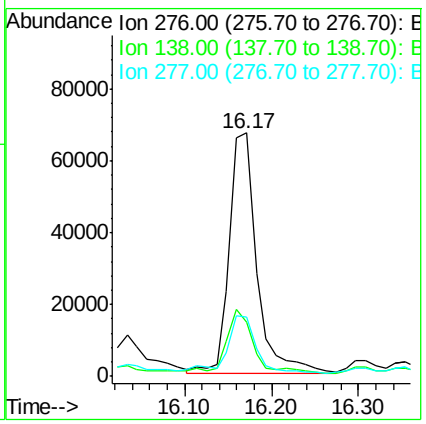


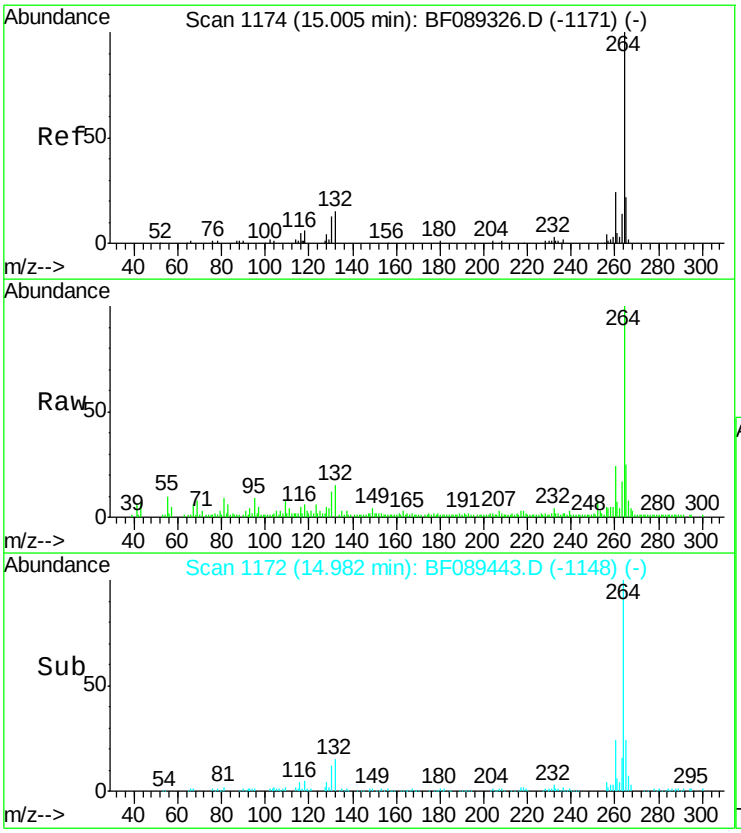
#85
Indeno(1,2,3-cd)pyrene
Concen: 35.12 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 147927

Ion	Ratio	Lower	Upper
276	100		
138	27.7	23.0	34.4
277	25.9	20.2	30.4

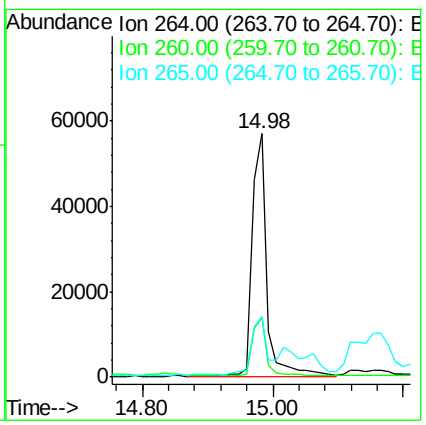


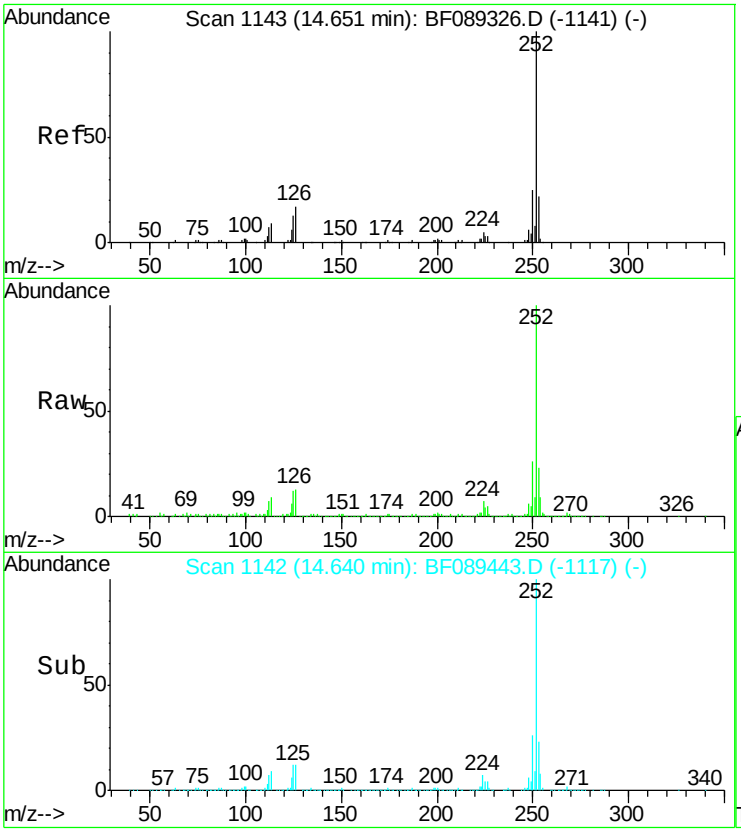


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:264 Resp: 91446

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	24.7	17.5	26.3



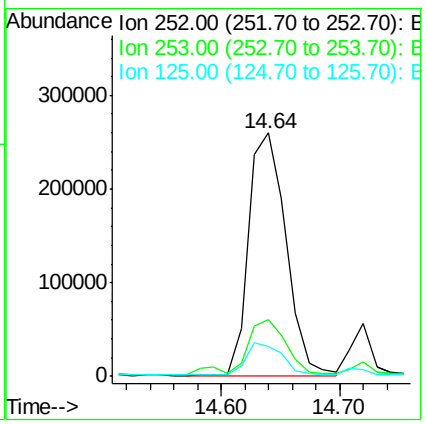


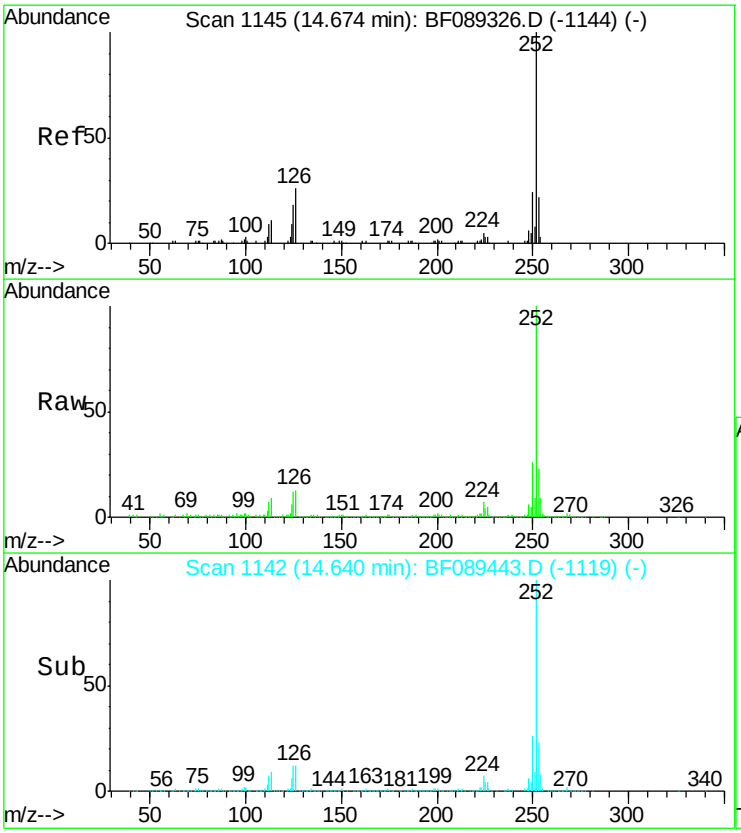
#87
Benzo(b)fluoranthene
Concen: 100.01 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 567974

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.3	9.7	14.5

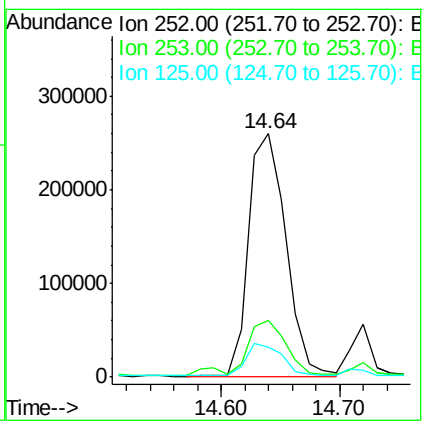


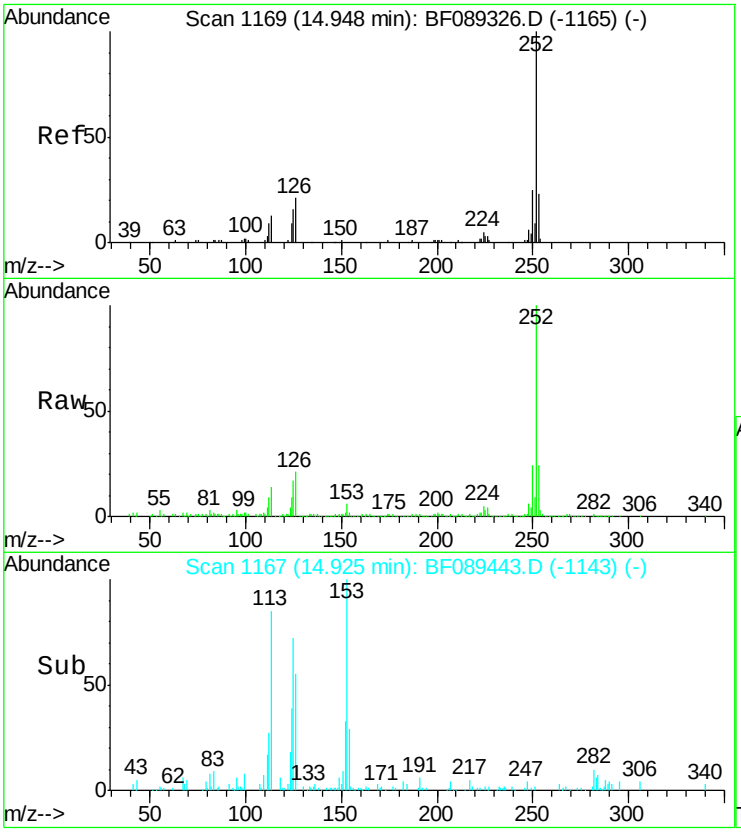


#88
Benzo(k)fluoranthene
Concen: 108.78 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:252 Resp: 567974

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.3	10.7	16.1



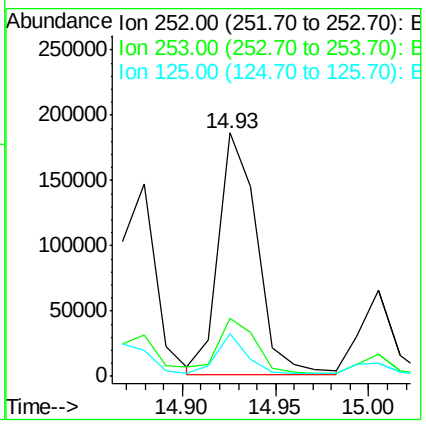


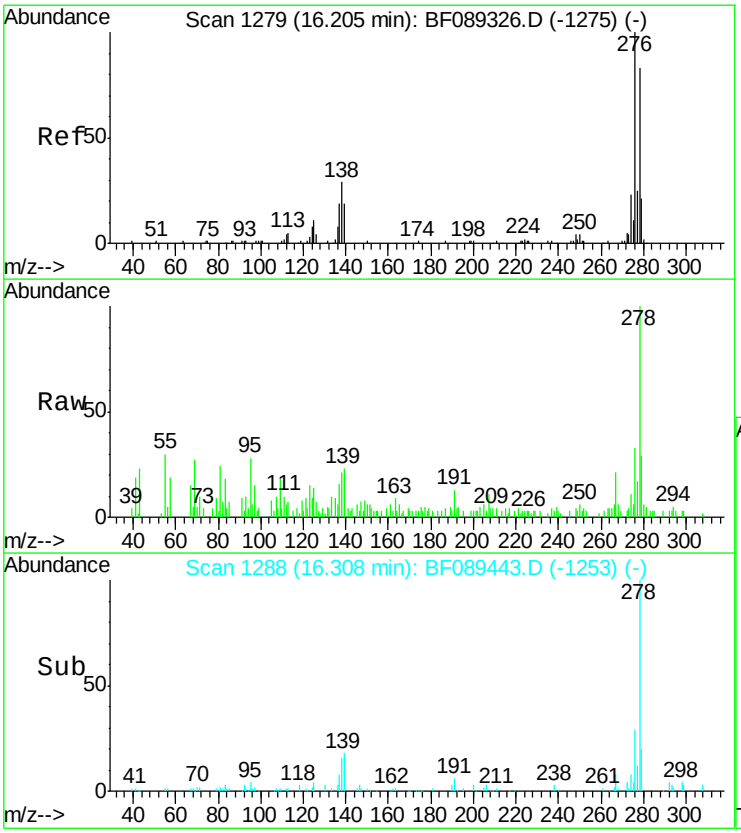
#89
Benzo(a)pyrene
Concen: 52.40 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 266951

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	17.4	12.4	18.6

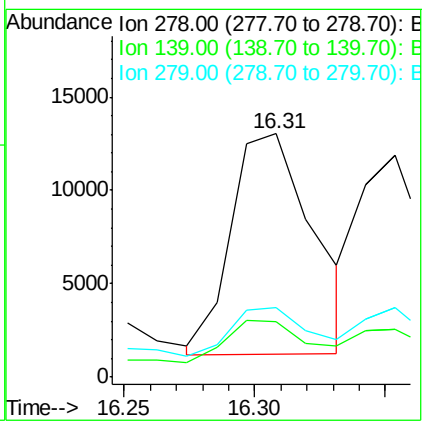


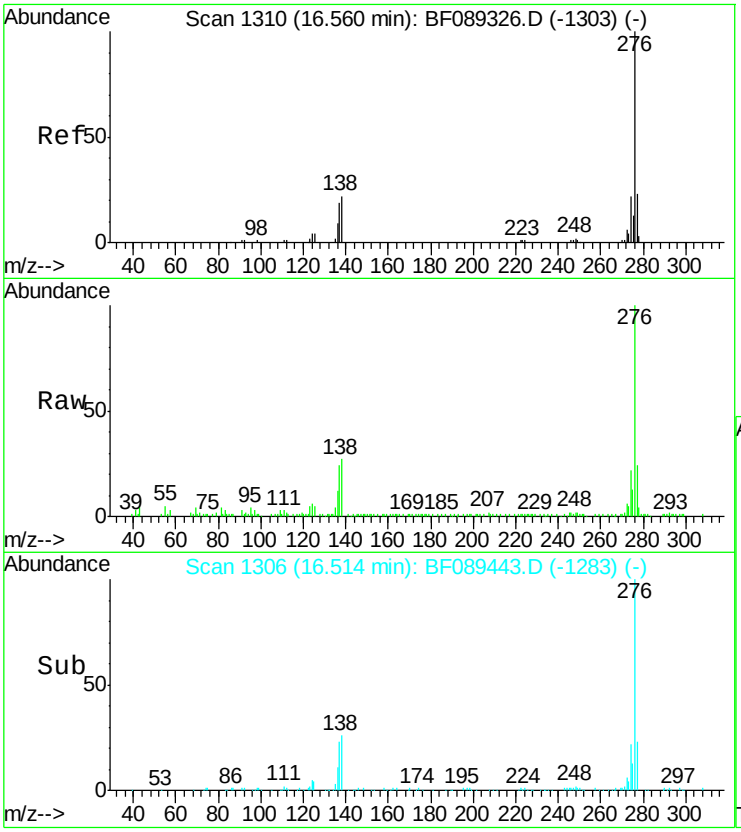


#90
Dibenzo(a,h)anthracene
Concen: 6.46 ng
RT: 16.31 min Scan# 1288
Delta R.T. 0.10 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Tgt Ion:278 Resp: 25911

Ion	Ratio	Lower	Upper
278	100		
139	22.5	16.3	24.5
279	28.5	19.1	28.7





#91
Benzo(g,h,i)perylene
Concen: 32.67 ng
RT: 16.51 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF089443.D
Acq: 30 Jul 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 128898

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	26.7	21.4	32.0