Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
Data File : BF088492.D
Acq On : 28 Jun 2016 21:35
Operator : UM/SJ
Sample : H3663-16DL 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-9DL

Quant Time: Jun 29 01:29:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 28 05:25:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	102911	20.00	ng		-0.03
21) Naphthalene-d8	7.80	136	419137	20.00	ng		-0.03
38) Acenaphthene-d10	9.55	164	190327	20.00	ng		-0.03
63) Phenanthrene-d10	11.03	188	319289	20.00	ng		-0.03
75) Chrysene-d12	13.67	240	186952	20.00	ng		-0.02
86) Perylene-d12	15.02	264	182738	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	183926	30.55	ng		-0.03
7) Phenol-d6	6.18	99	258924	35.49	ng		-0.05
23) Nitrobenzene-d5	7.10	82	132229	18.42	ng		-0.03
41) 2,4,6-Tribromophenol	10.34	330	46824	23.30	ng		-0.03
44) 2-Fluorobiphenyl	8.89	172	264353	17.42	ng		-0.03
78) Terphenyl-d14	12.62	244	201429	24.52	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	78788	26.94	ng	#	87
10) Phenol	6.20	94	11418	Below Cal		#	66
19) n-Nitroso-di-n-propylamine	7.10	70	15389	3.30	ng	#	68
25) Isophorone	7.10	82	127827	9.61	ng	#	65
31) Naphthalene	7.83	128	844798	40.73	ng		99
33) 4-Chloroaniline	7.83	127	110750	11.96	ng	#	32
37) 2-Methylnaphthalene	8.52	142	160177	11.72	ng		99
45) 1,1'-Biphenyl	8.98	154	42599	Below Cal			100
48) Acenaphthylene	9.59	152	131665	6.72	ng	#	1
49) Dimethylphthalate	9.29	163	33338	2.42	ng		99
50) 2,6-Dinitrotoluene	9.55	165	28770	9.11	ng	#	40
51) Acenaphthene	9.59	154	235527	19.27	ng		98
54) Dibenzofuran	9.76	168	228668	13.59	ng		94
55) 4-Nitrophenol	9.76	139	84855	30.01	ng	#	6
57) Fluorene	10.10	166	242235	18.45	ng		98
70) Phenanthrene	11.06	178	1229388	73.38	ng		99
71) Anthracene	11.11	178	473079	27.99	ng		99
72) Carbazole	11.28	167	174771	11.05	ng		97
74) Fluoranthene	12.24	202	912888	51.63	ng		98
77) Pyrene	12.47	202	812139	58.54	ng		100
80) Benzo(a)anthracene	13.66	228	462091	43.37	ng		99
82) Chrysene	13.66	228	462091	46.10	ng		95
85) Indeno(1,2,3-cd)pyrene	16.24	276	171189	18.38	ng	#	100
87) Benzo(b)fluoranthene	14.66	252	512913	40.27	ng	#	95
88) Benzo(k)fluoranthene	14.66	252	512913	53.38	ng		98
89) Benzo(a)pyrene	14.96	252	285892	27.74	ng		98
90) Dibenzo(a,h)anthracene	16.38	278	39422	4.12	ng		97
91) Benzo(g,h,i)perylene	16.61	276	154797	15.72	ng		96

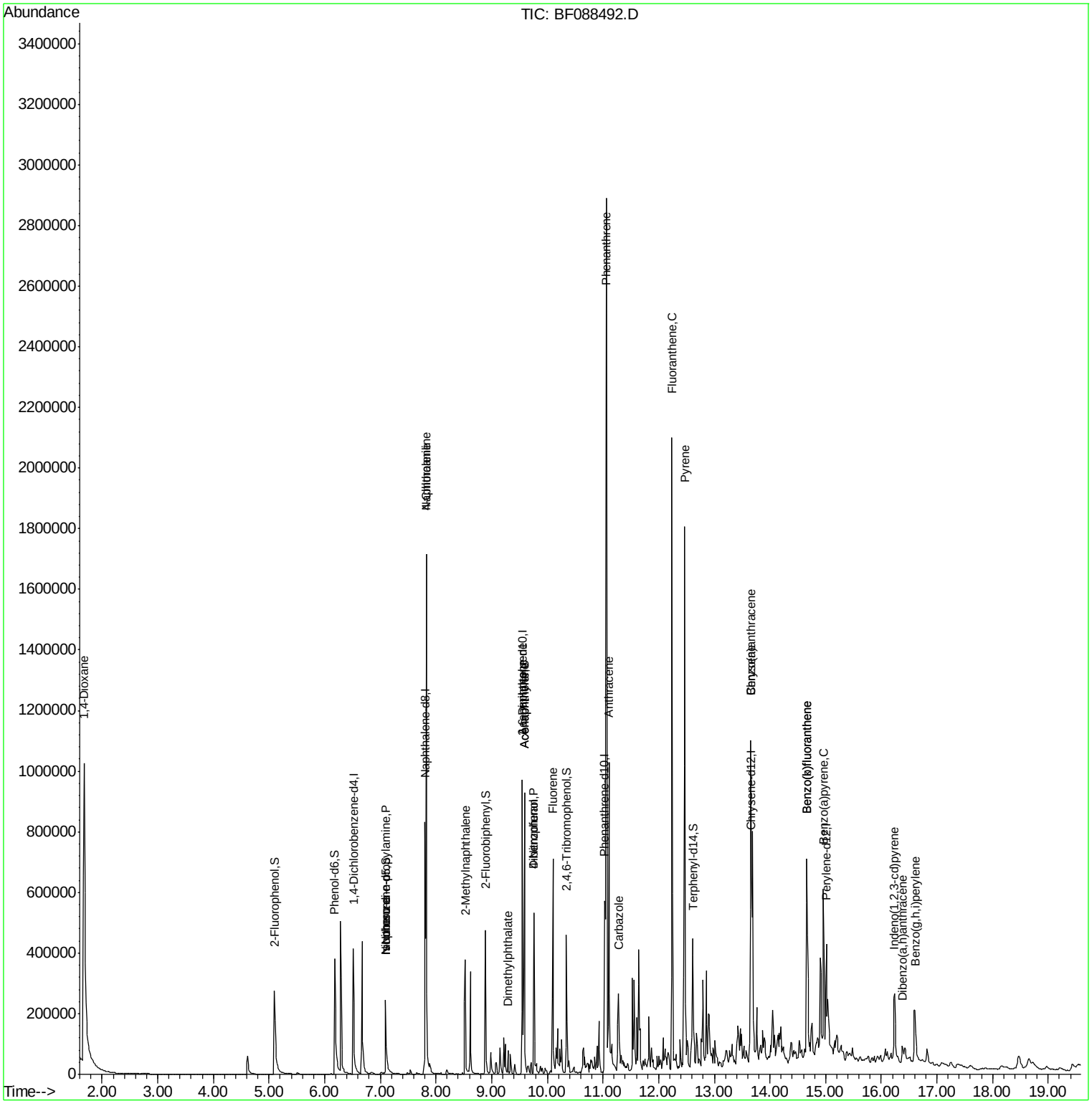
(#) = qualifier out of range (m) = manual integration (+) = signals summed

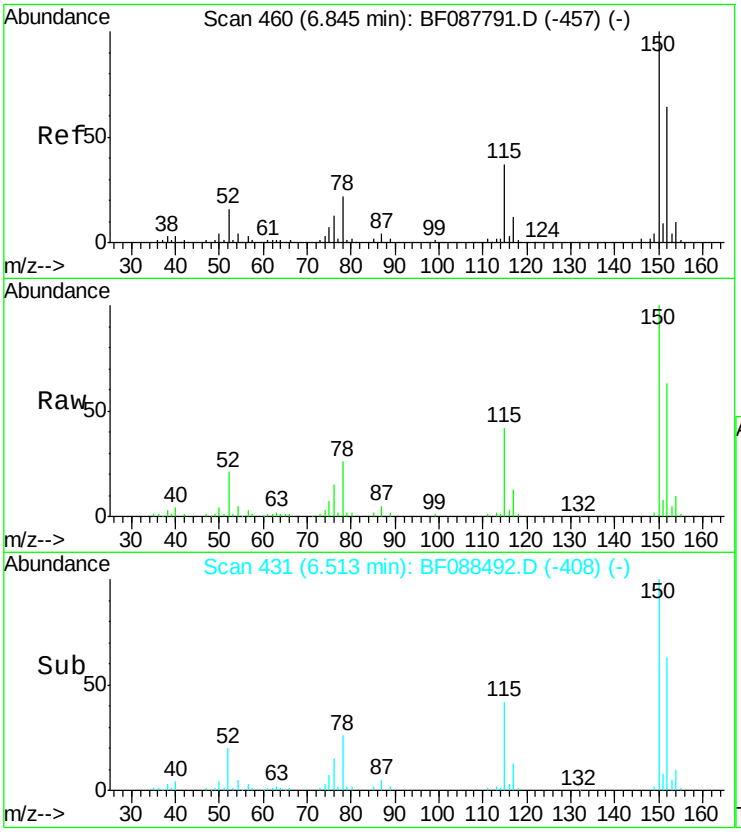
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
Data File : BF088492.D
Acq On : 28 Jun 2016 21:35
Operator : UM/SJ
Sample : H3663-16DL 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Quant Time: Jun 29 01:29:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 28 05:25:55 2016
Response via : Initial Calibration



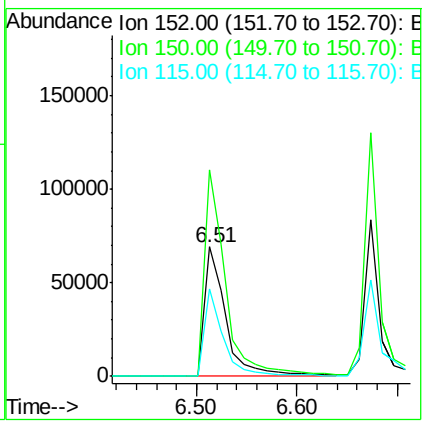


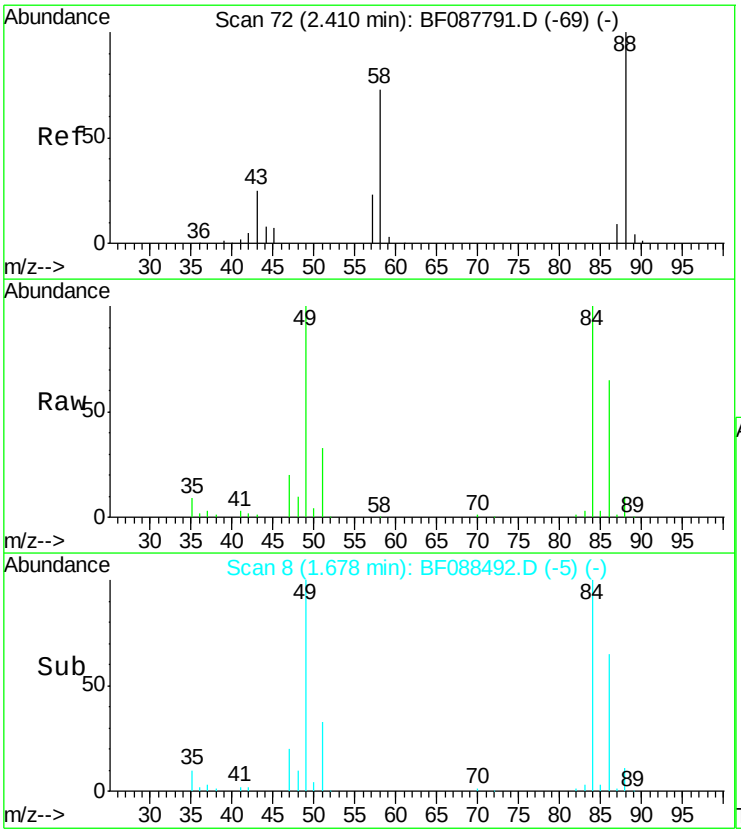
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:152 Resp: 102911

Ion	Ratio	Lower	Upper
152	100		
150	159.7	123.8	185.6
115	67.4	39.6	59.4#

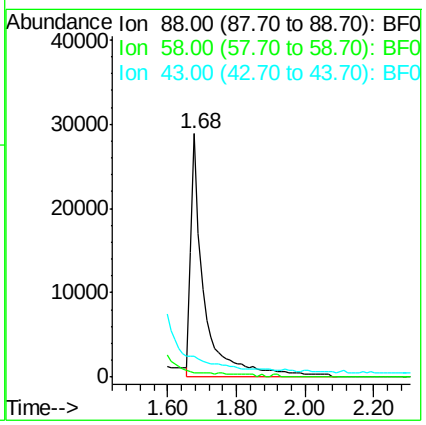


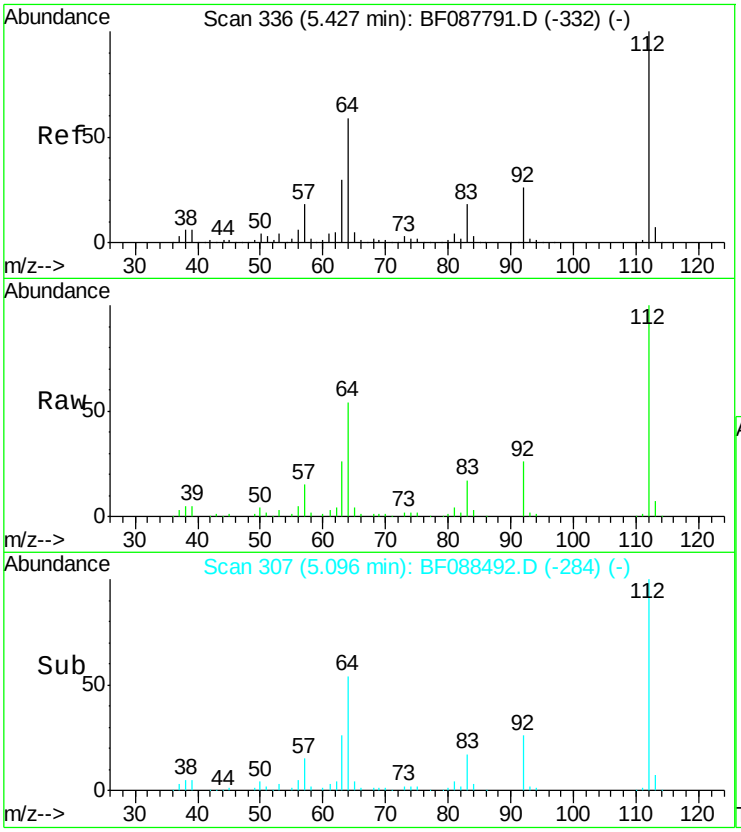


#2
1,4-Dioxane
Concen: 26.94 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.26 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion: 88 Resp: 78788

Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	3.4	5.2#



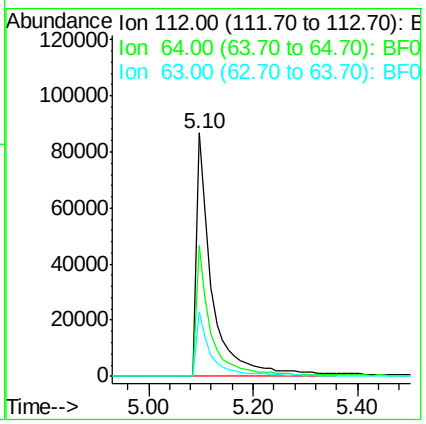


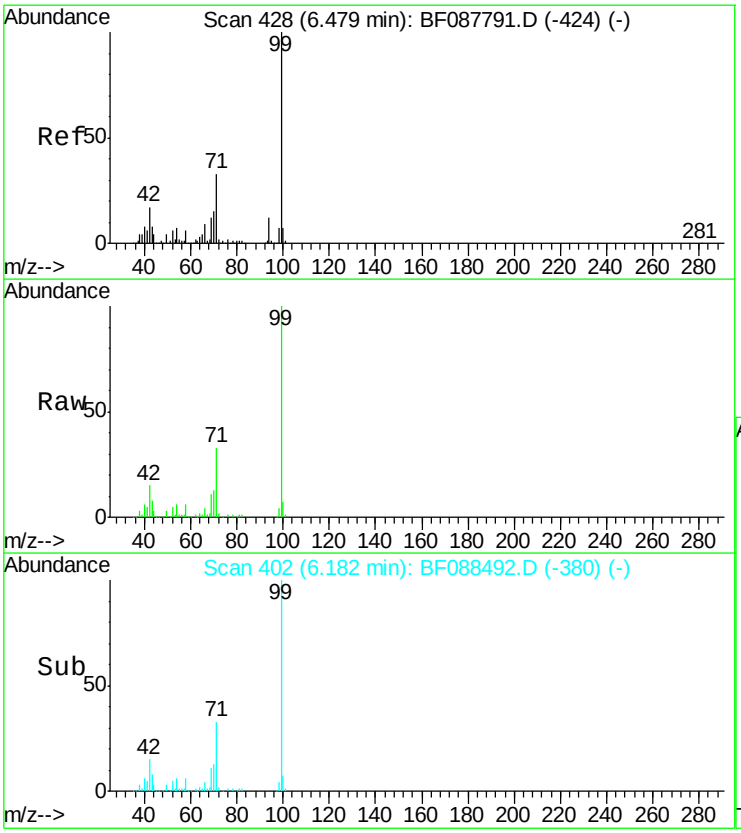
#5
2-Fluorophenol
Concen: 30.55 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:112 Resp: 183926

Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.2	63.2
63	26.3	21.8	32.8

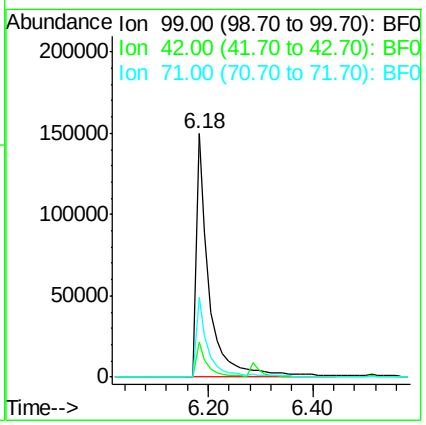


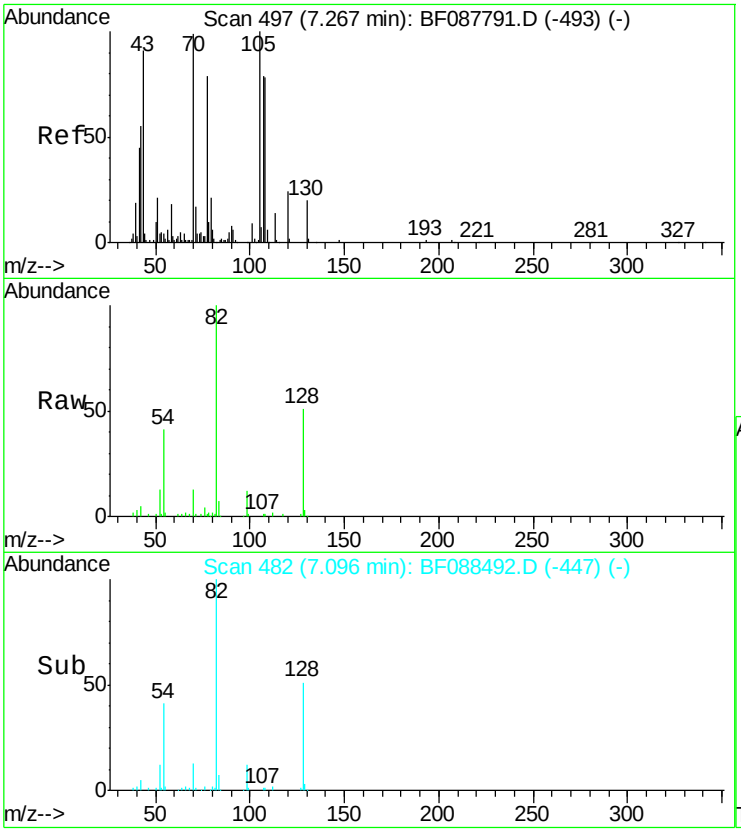


#7
Phenol-d6
Concen: 35.49 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.05 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion: 99 Resp: 258924

Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.2	18.2
71	32.6	23.4	35.0



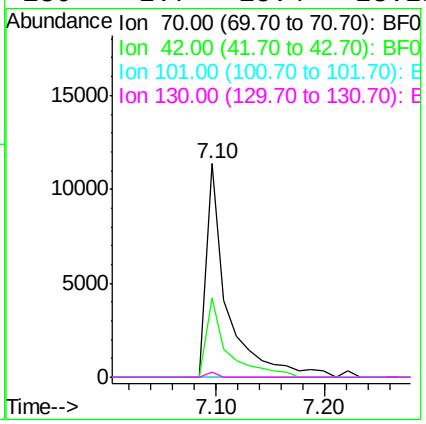


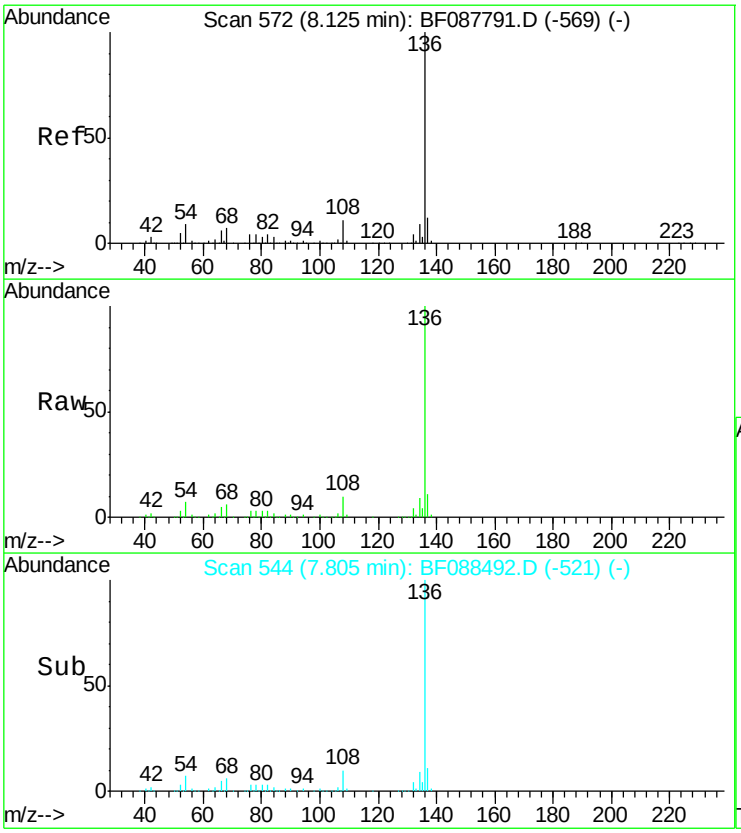
#19
n-Nitroso-di-n-propylamine
Concen: 3.30 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.10 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion: 70 Resp: 15389

Ion	Ratio	Lower	Upper
70	100		
42	37.4	49.6	74.4#
101	0.0	7.1	10.7#
130	2.7	15.4	23.2#

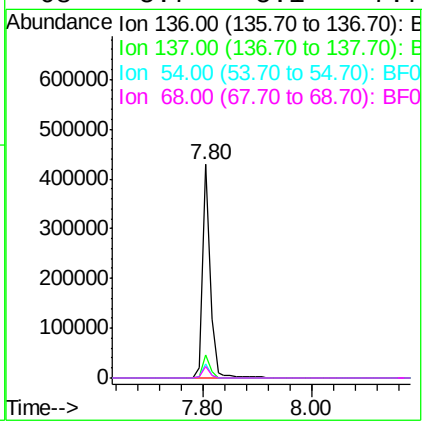


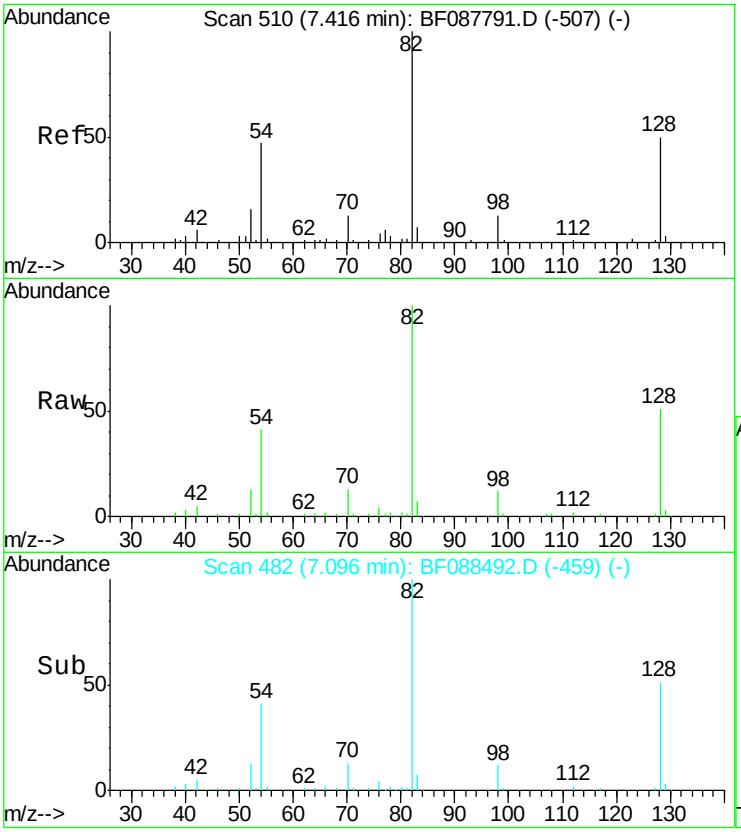


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:136 Resp: 419137

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.6	6.6	10.0#
68	5.7	5.1	7.7



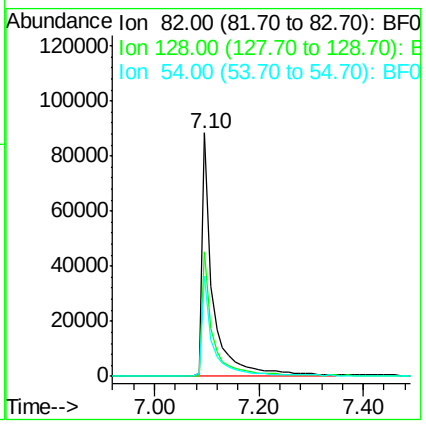


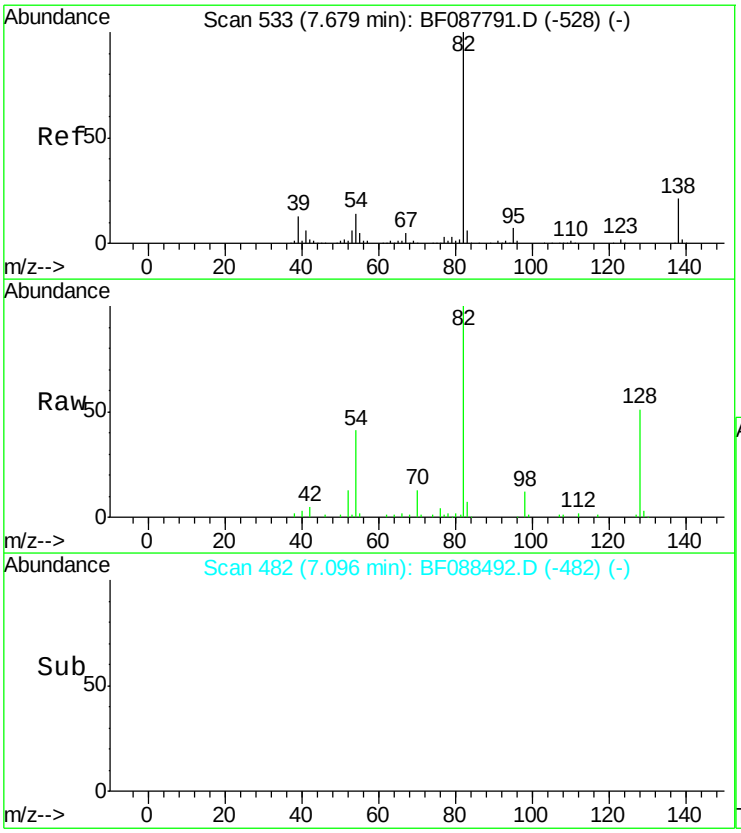
#23
Nitrobenzene-d5
Concen: 18.42 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion: 82 Resp: 132229

Ion	Ratio	Lower	Upper
82	100		
128	51.1	35.9	53.9
54	41.2	40.9	61.3

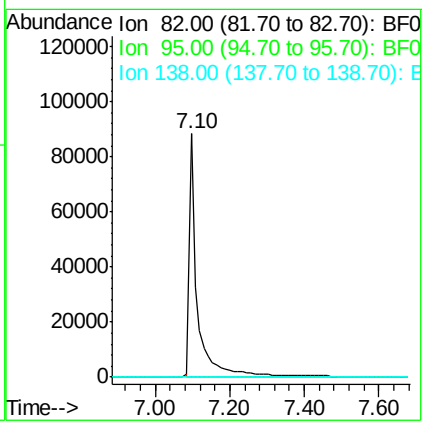


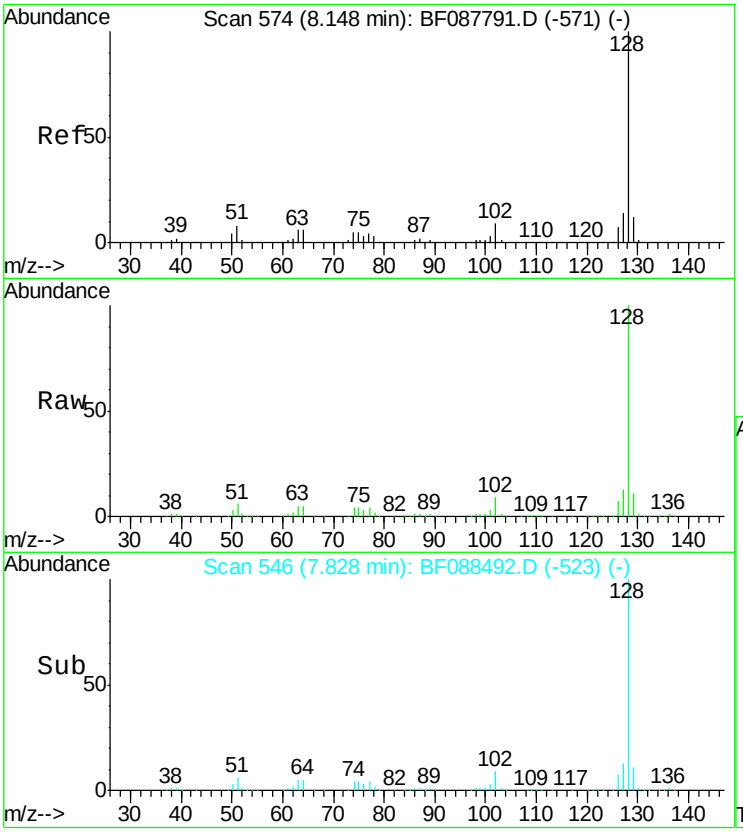


#25
Isophorone
Concen: 9.61 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.30 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion: 82 Resp: 127827

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



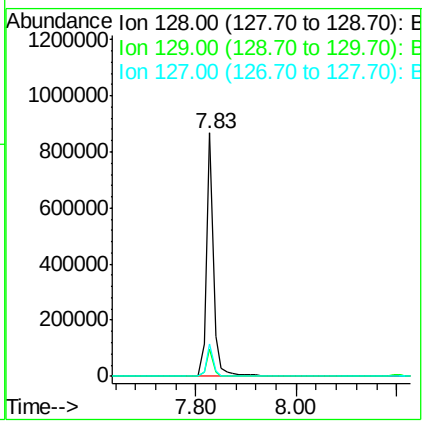


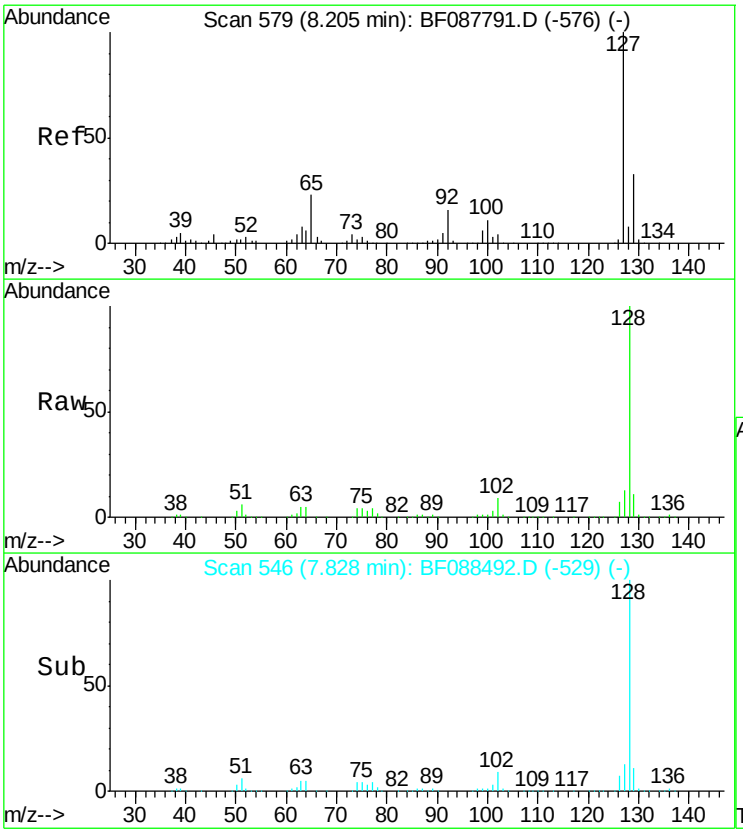
#31
Naphthalene
Concen: 40.73 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:128 Resp: 844798

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.4	10.9	16.3

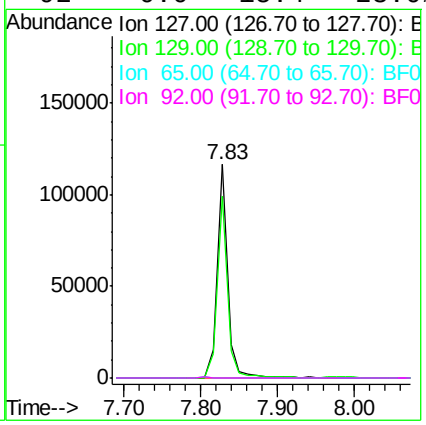


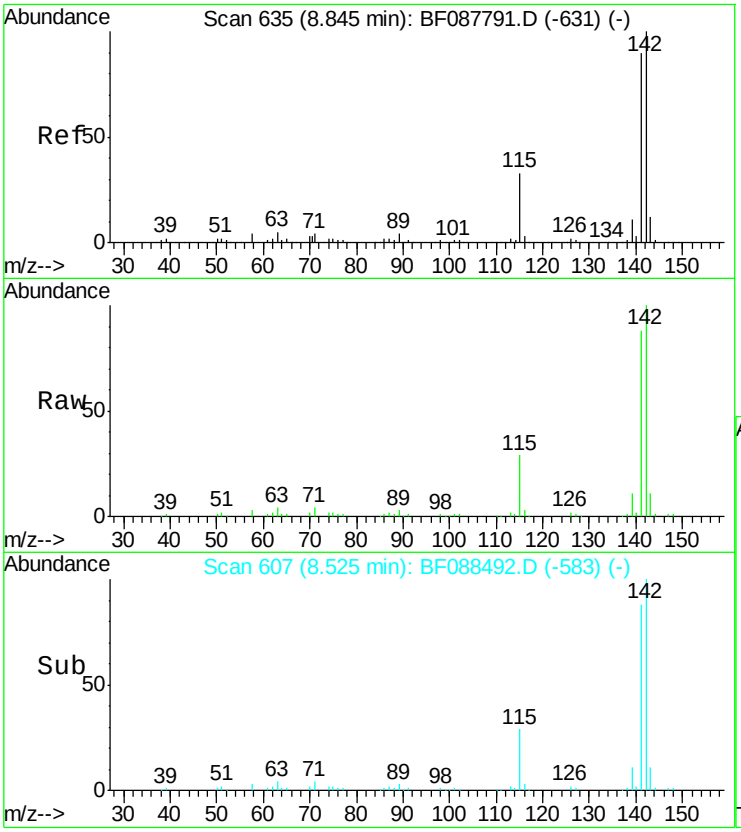


#33
4-Chloroaniline
Concen: 11.96 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.10 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:127 Resp: 110750

Ion	Ratio	Lower	Upper
127	100		
129	85.2	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#



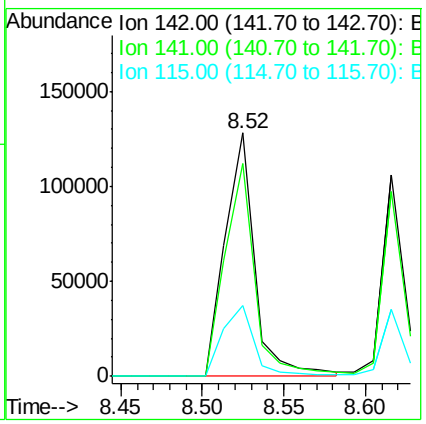


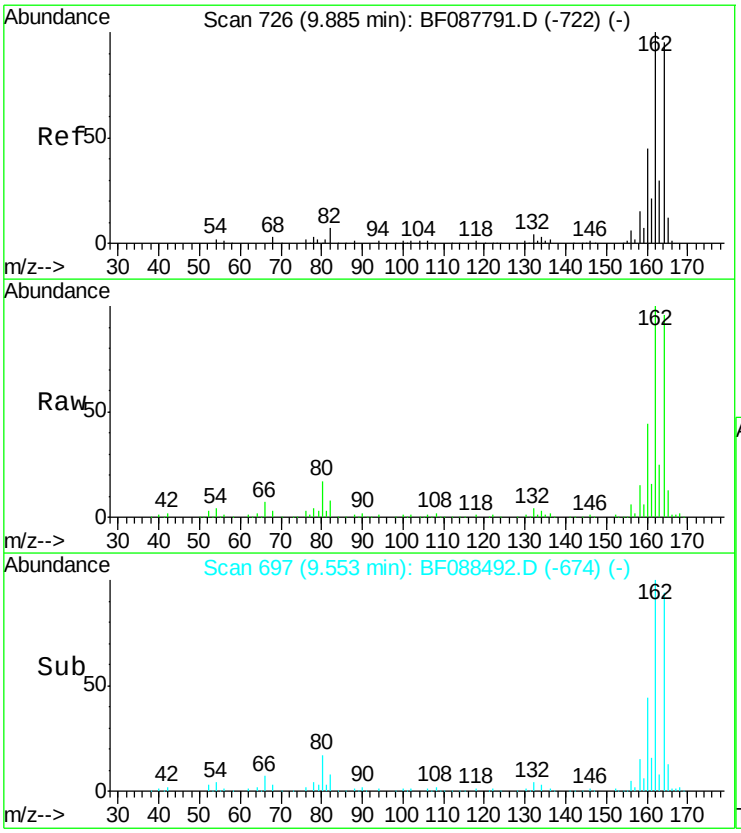
#37
2-Methylnaphthalene
Concen: 11.72 ng
RT: 8.52 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:142 Resp: 160177

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.0	106.6
115	28.8	22.6	33.8

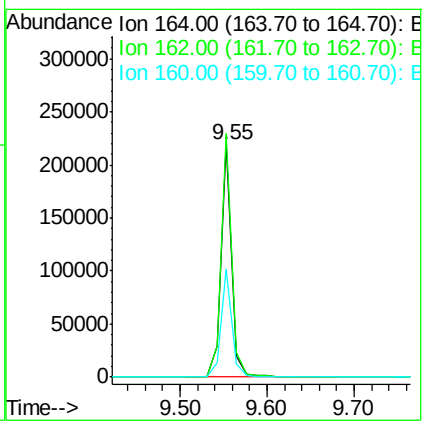


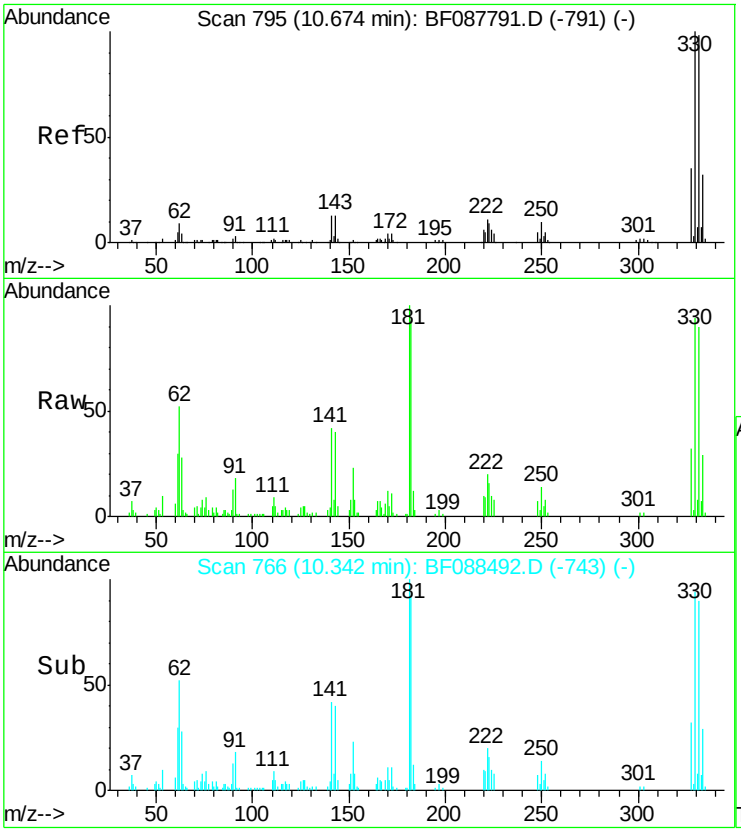


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:164 Resp: 190327

Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	46.2	39.5	59.3



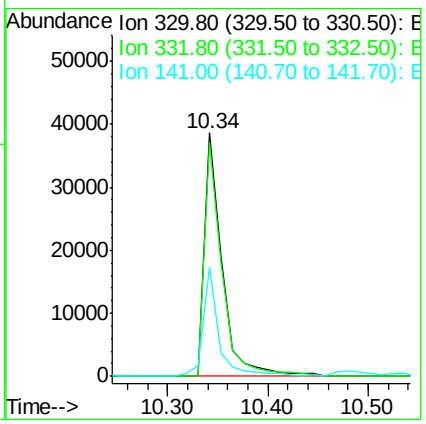


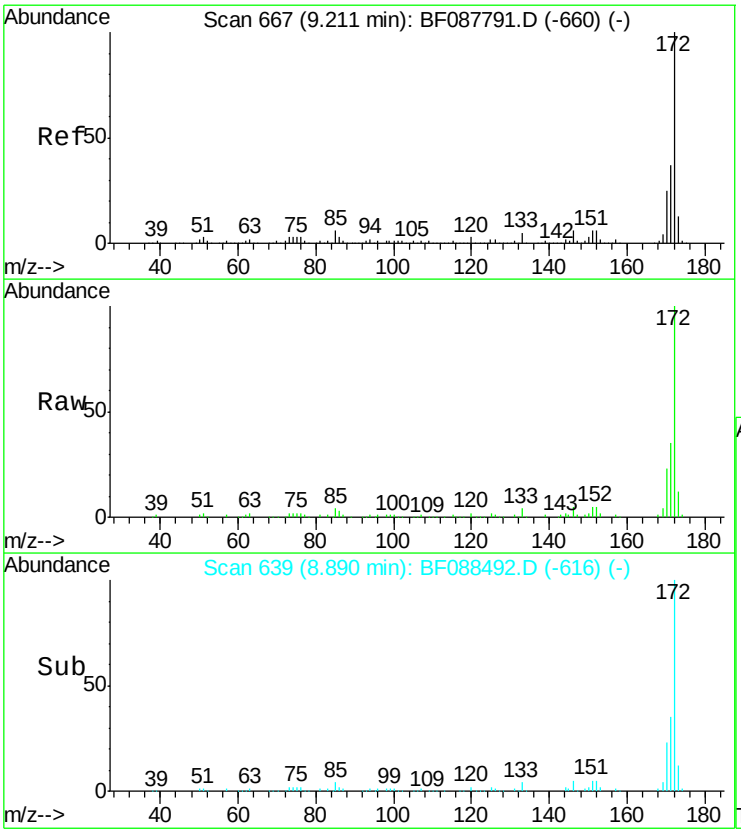
#41
2,4,6-Tribromophenol
Concen: 23.30 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:330 Resp: 46824

Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	40.0	0.0	0.0#

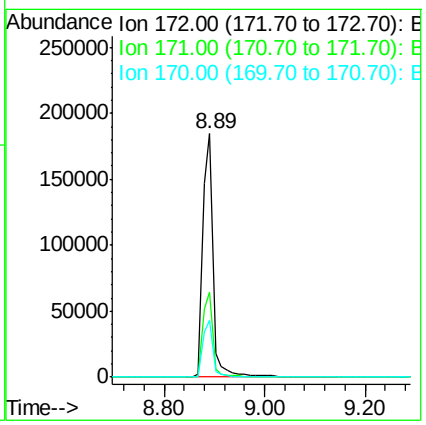


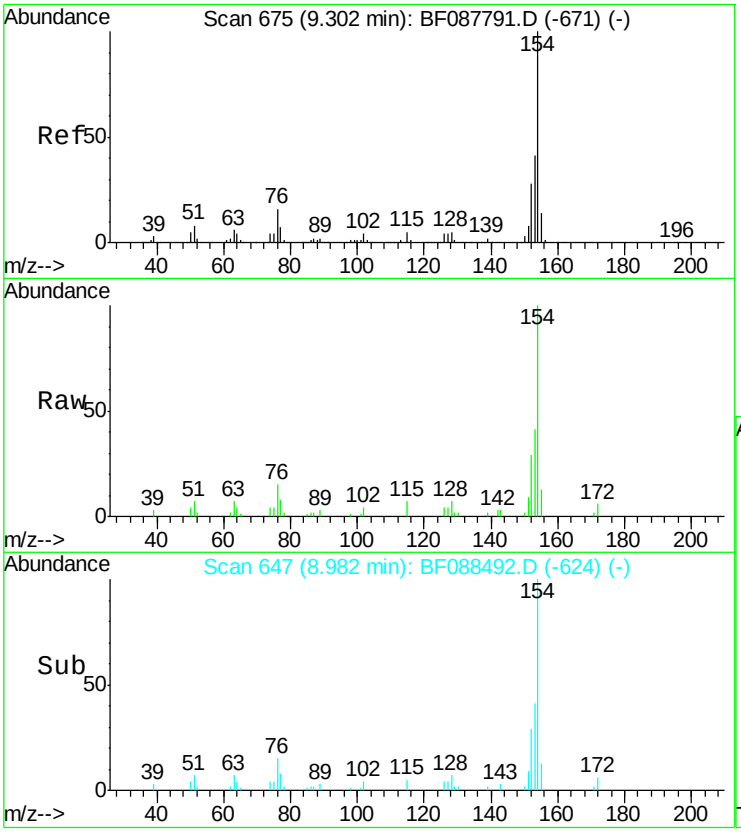


#44
2-Fluorobiphenyl
Concen: 17.42 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:172 Resp: 264353

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	23.2	19.2	28.8



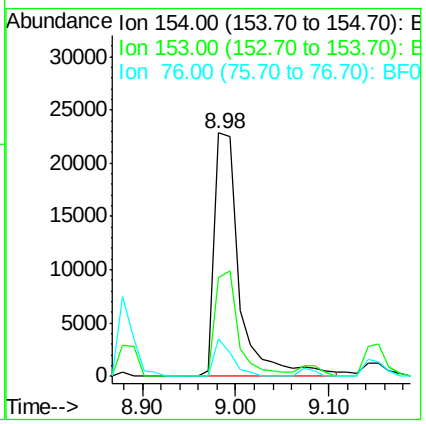


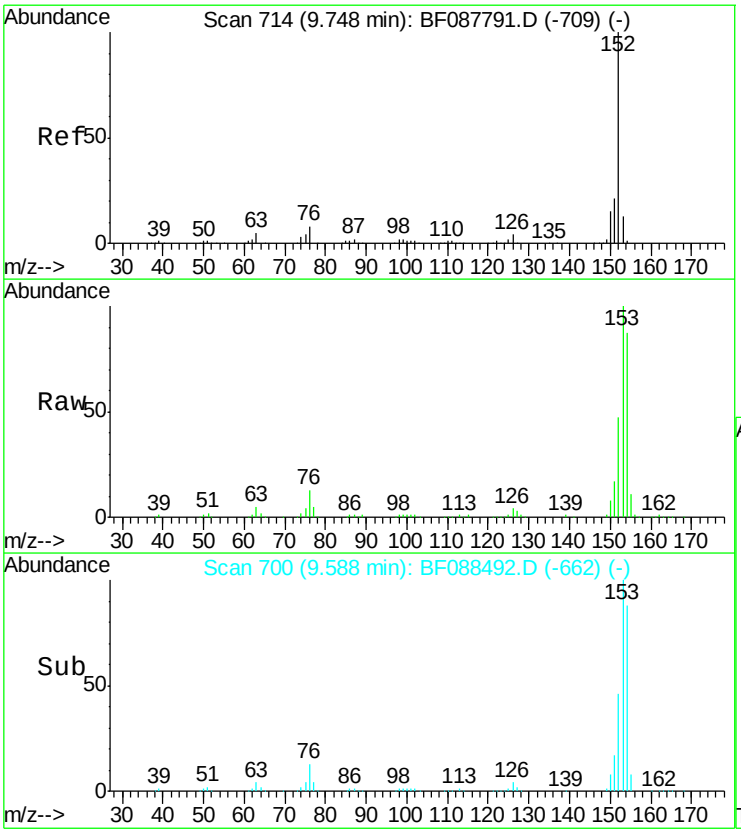
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.98 min Scan# 647
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:154 Resp: 42599

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.6	60.6
76	15.4	0.0	35.1

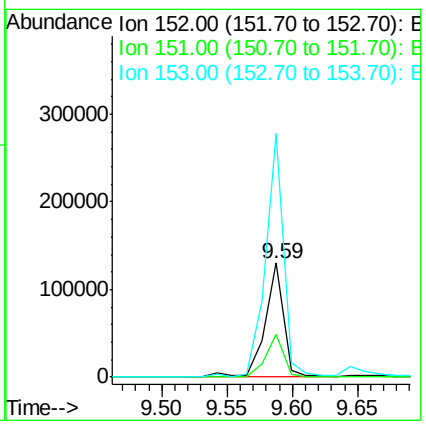


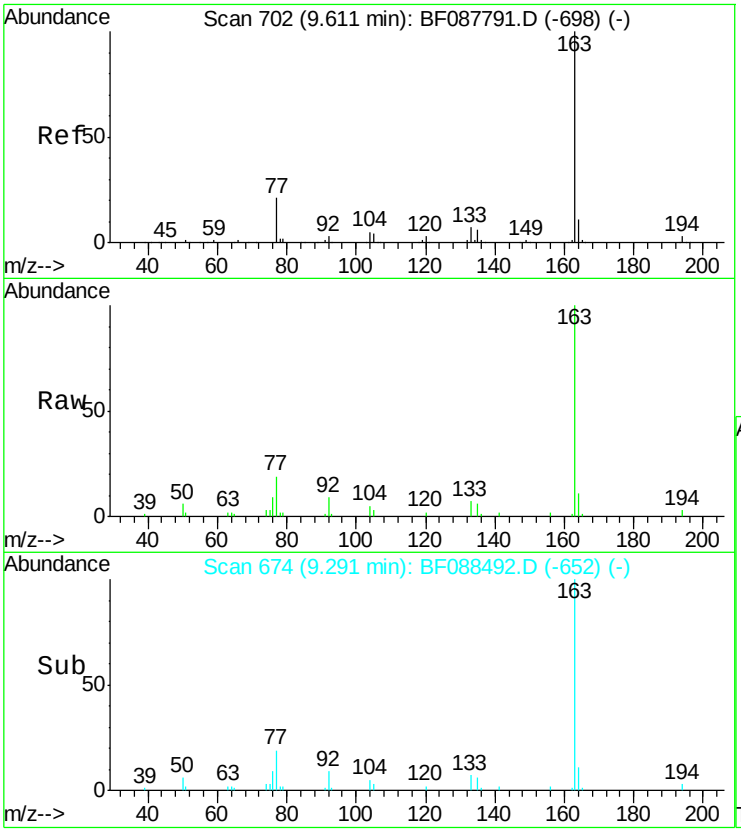


#48
Acenaphthylene
Concen: 6.72 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.14 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:152 Resp: 131665

Ion	Ratio	Lower	Upper
152	100		
151	36.8	16.2	24.4#
153	213.1	11.0	16.6#



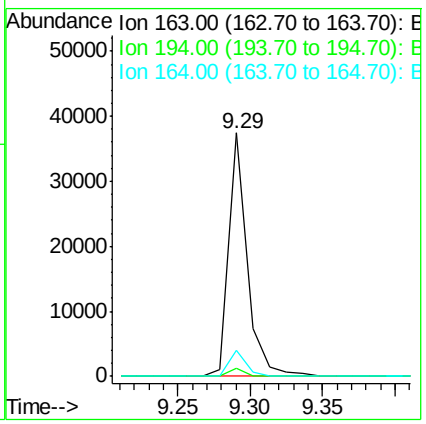


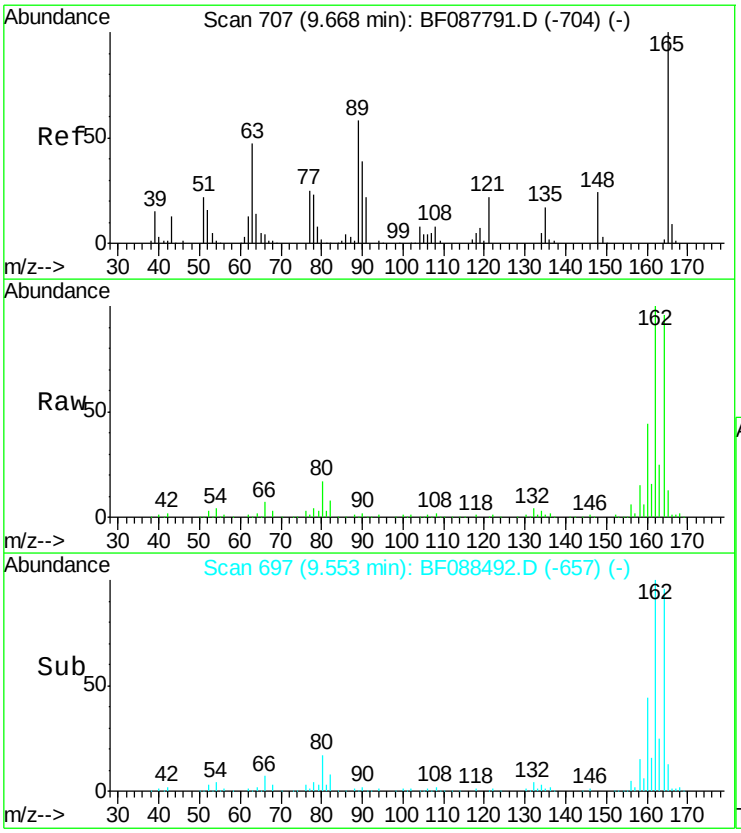
#49
Dimethylphthalate
Concen: 2.42 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:163 Resp: 33338

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.6	8.3	12.5

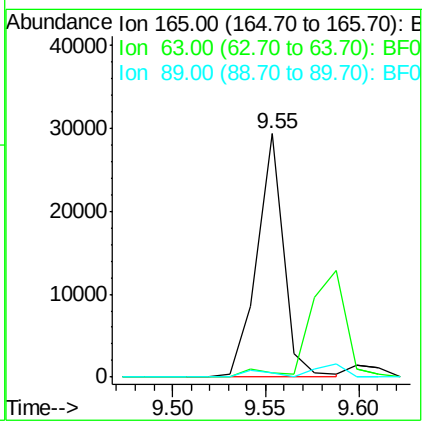


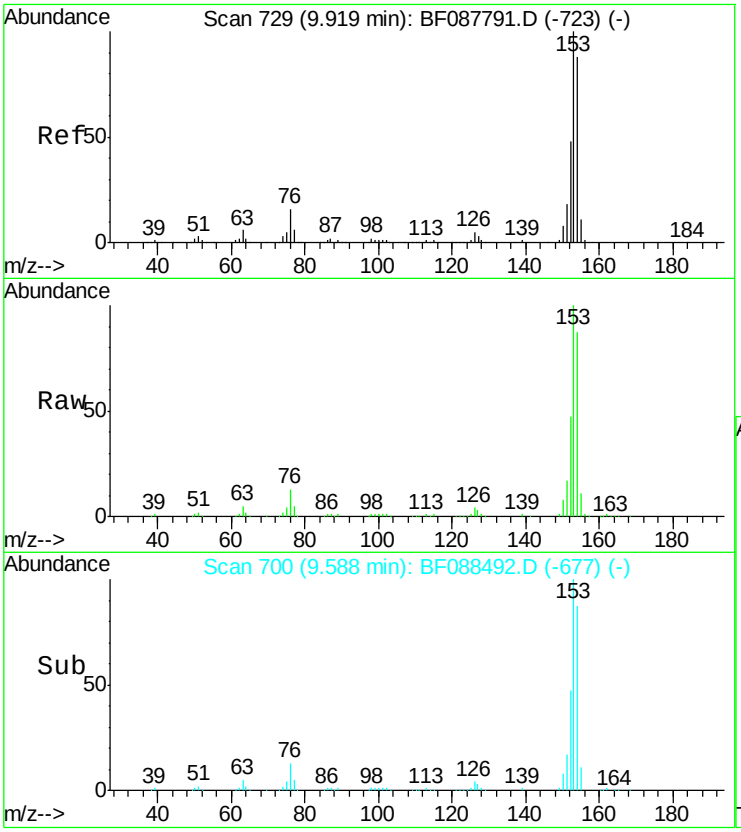


#50
2,6-Dinitrotoluene
Concen: 9.11 ng
RT: 9.55 min Scan# 697
Delta R.T. 0.16 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:165 Resp: 28770

Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.1	42.1#
89	1.8	32.2	48.2#



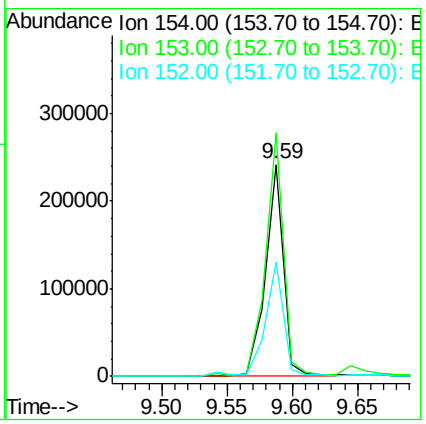


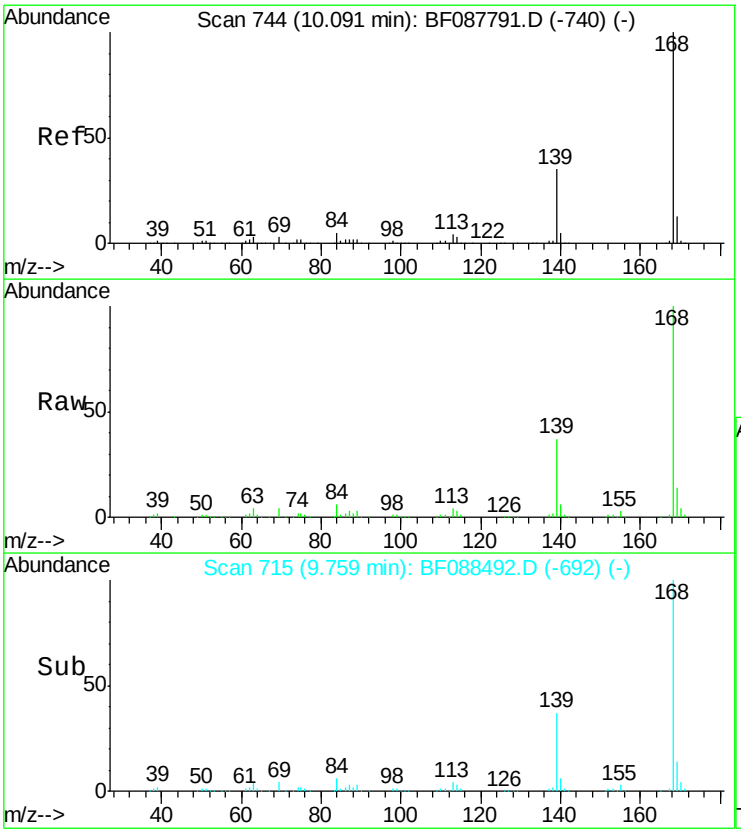
#51
Acenaphthene
Concen: 19.27 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:154 Resp: 235527

Ion	Ratio	Lower	Upper
154	100		
153	114.7	89.5	134.3
152	53.8	42.7	64.1

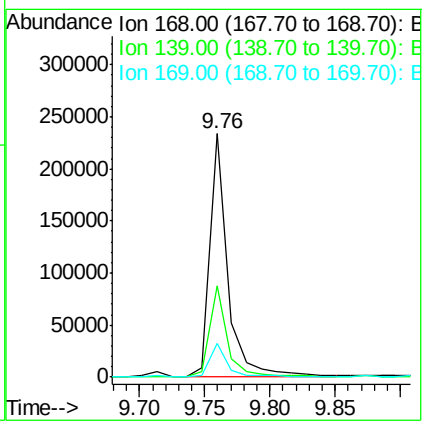


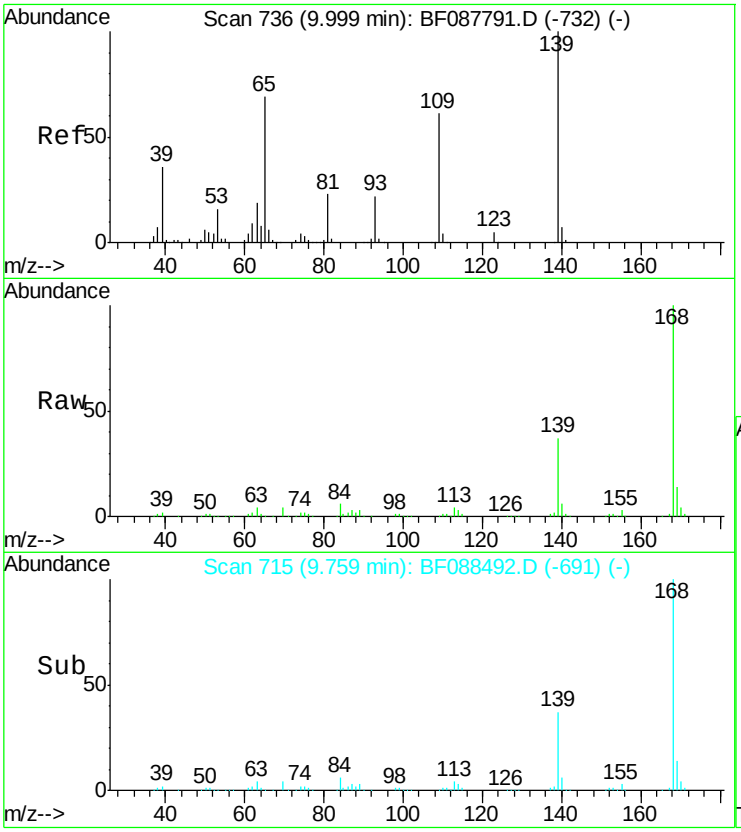


#54
Dibenzofuran
Concen: 13.59 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:168 Resp: 228668

Ion	Ratio	Lower	Upper
168	100		
139	37.3	26.4	39.6
169	13.6	10.4	15.6



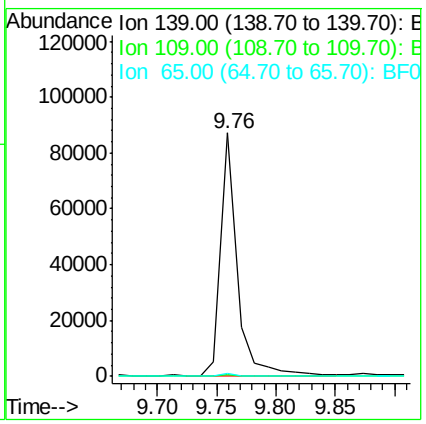


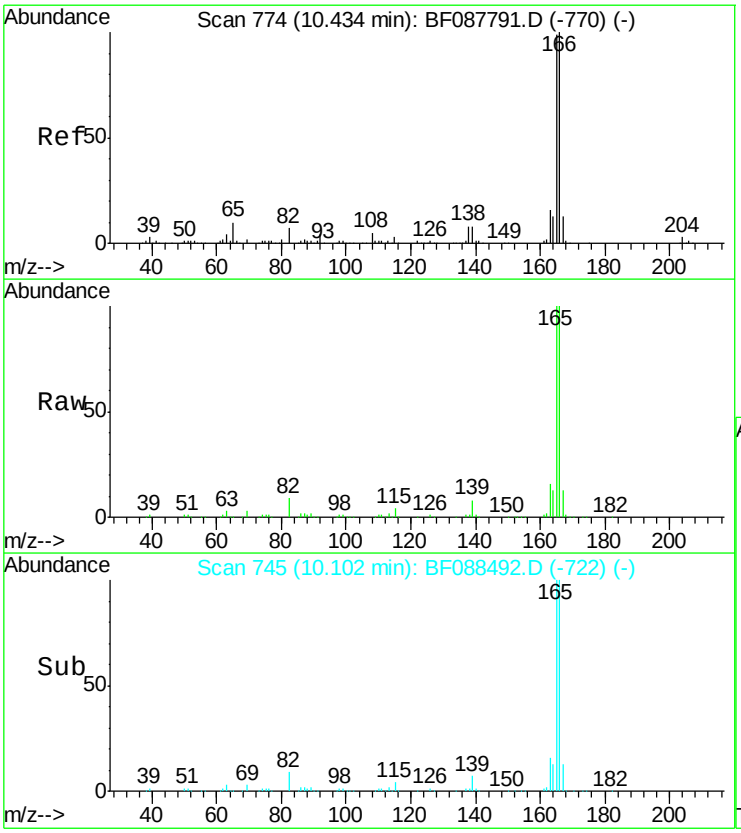
#55
4-Nitrophenol
Concen: 30.01 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:139 Resp: 84855

Ion	Ratio	Lower	Upper
139	100		
109	0.8	48.9	88.9#
65	1.3	84.9	124.9#

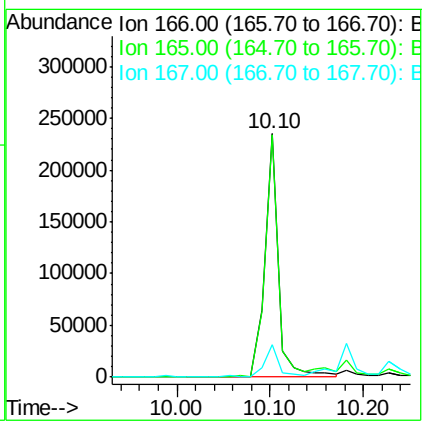


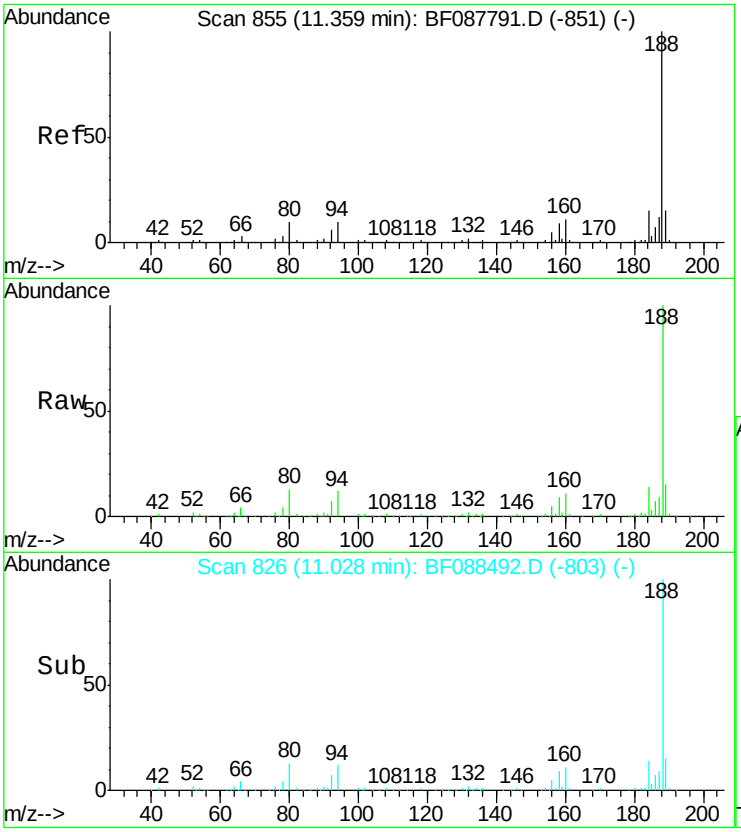


#57
Fluorene
Concen: 18.45 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:166 Resp: 242235

Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.8	116.8
167	13.4	11.2	16.8



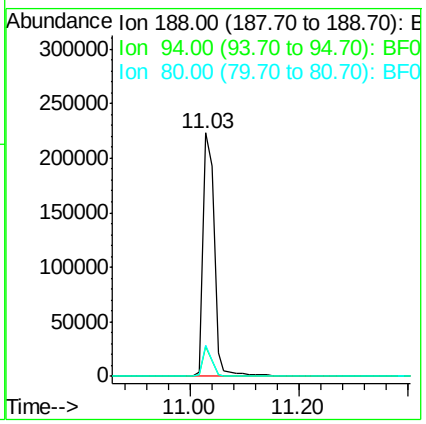


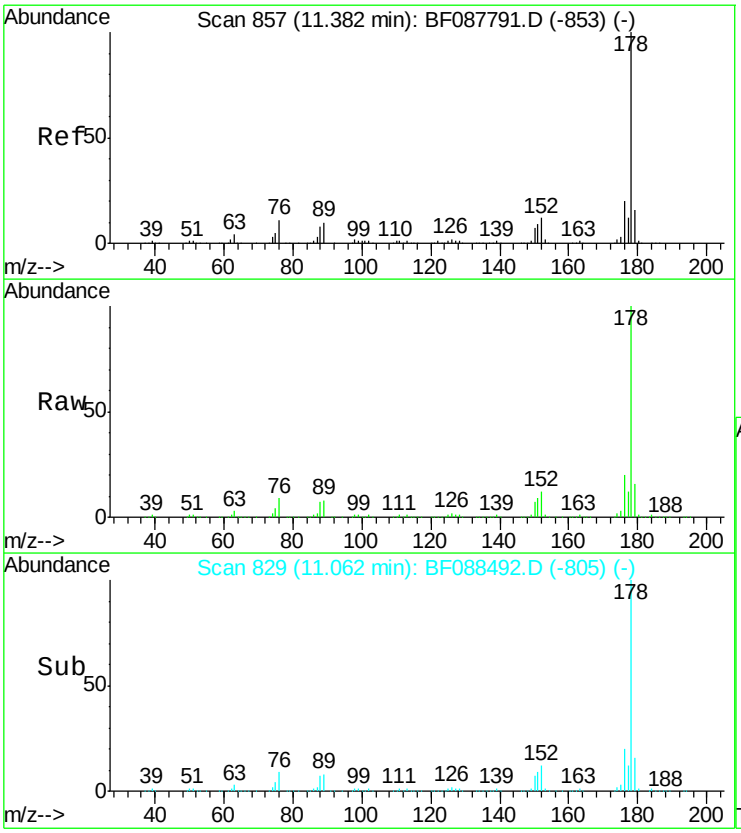
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:188 Resp: 319289

Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.0	13.6
80	12.6	10.0	15.0

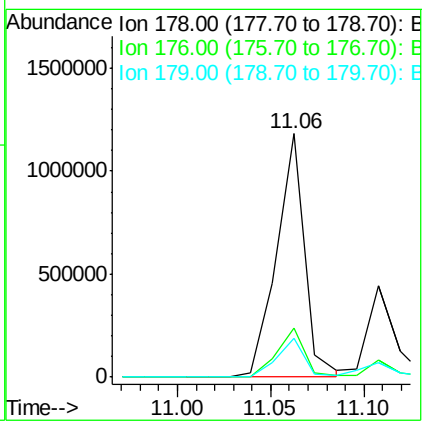


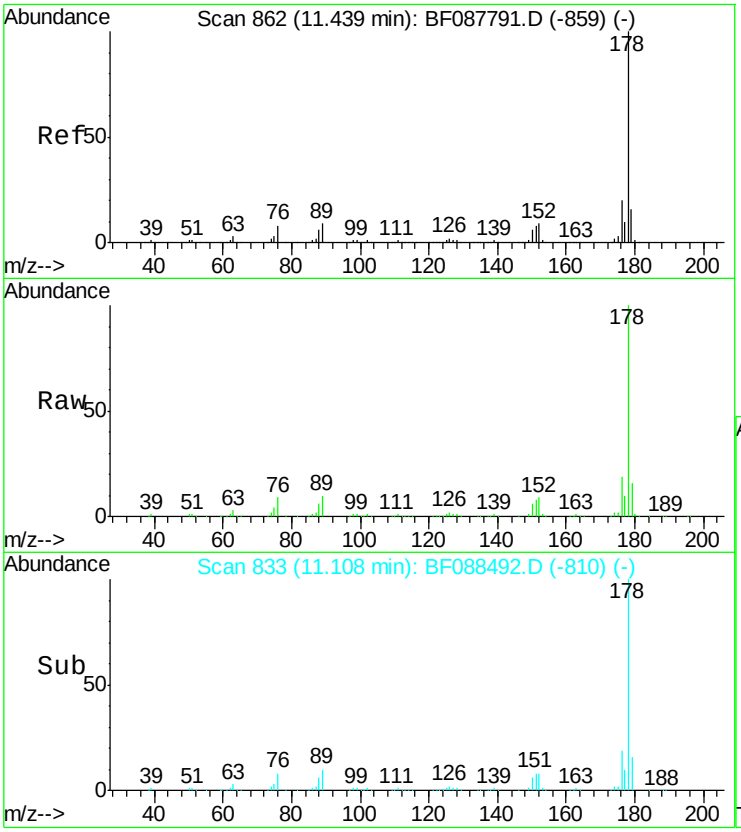


#70
Phenanthrene
Concen: 73.38 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:178 Resp: 1229388

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	15.9	13.0	19.4



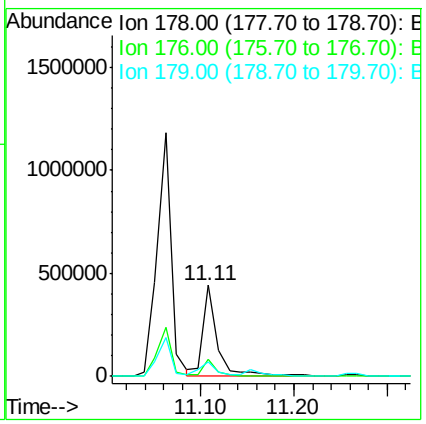


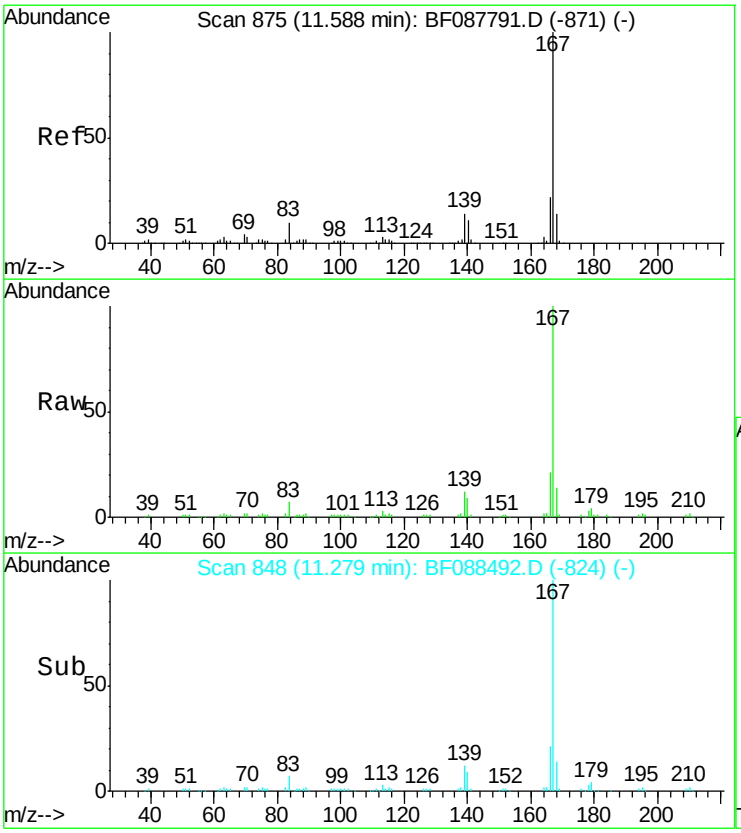
#71
Anthracene
Concen: 27.99 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:178 Resp: 473079

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.3	12.8	19.2

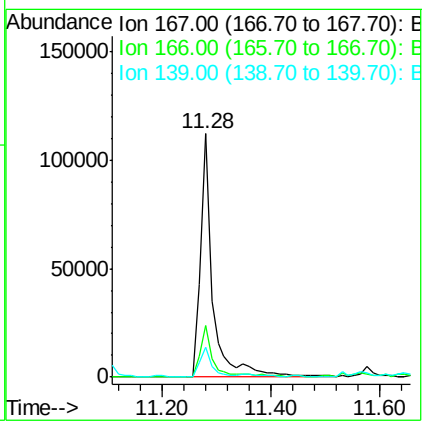


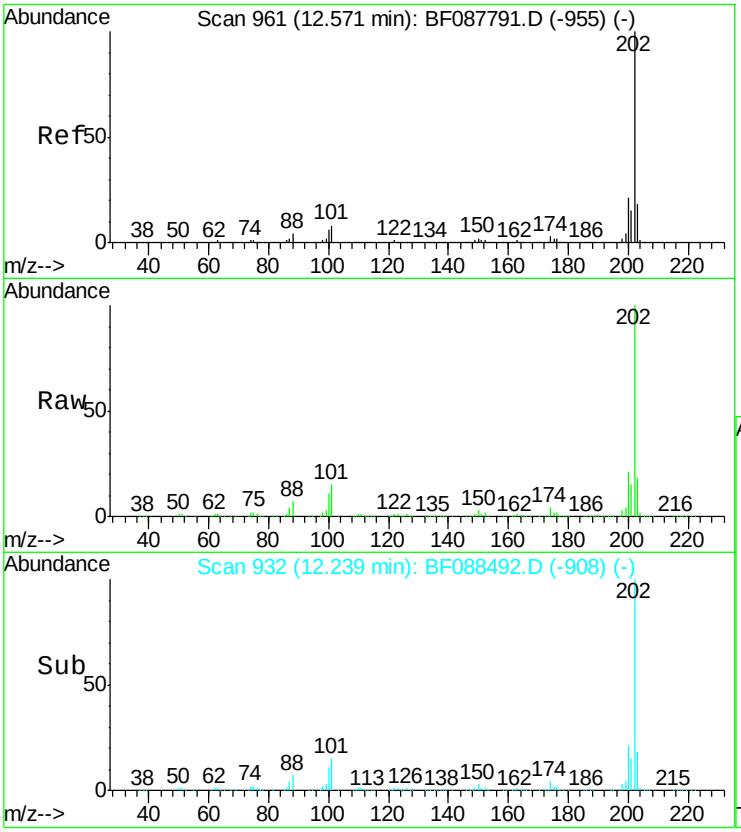


#72
Carbazole
Concen: 11.05 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:167 Resp: 174771

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.6
139	12.2	11.2	16.8



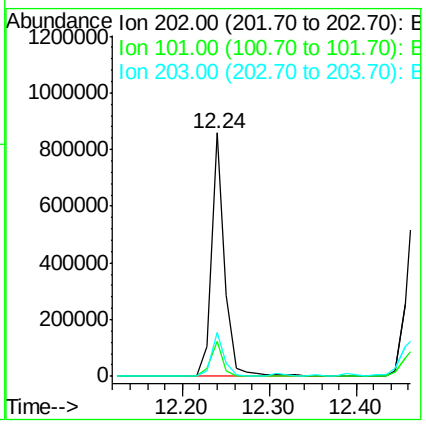


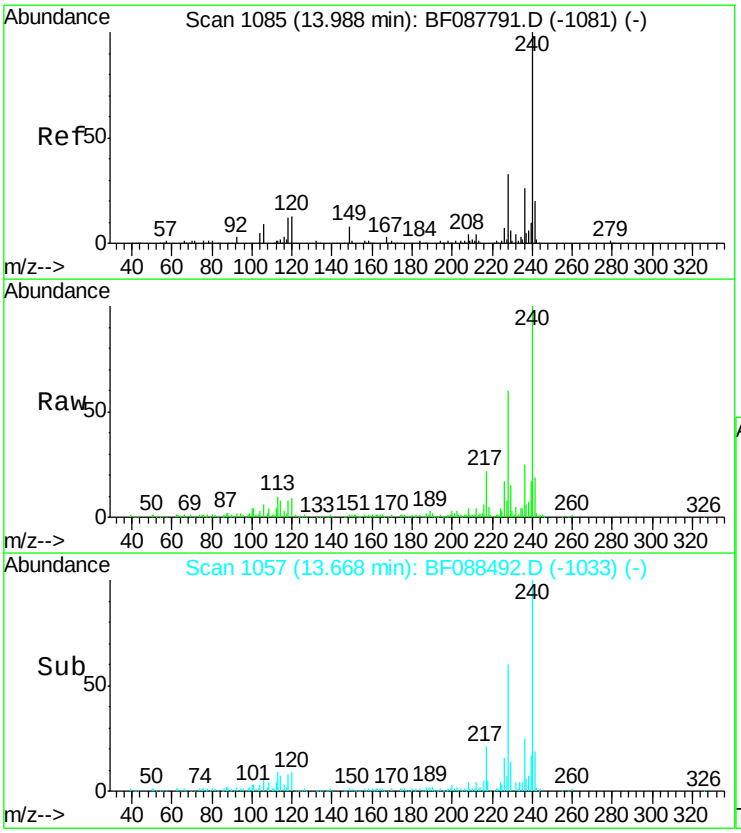
#74
Fluoranthene
Concen: 51.63 ng
RT: 12.24 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:202 Resp: 912888

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.1
203	18.2	0.0	38.1

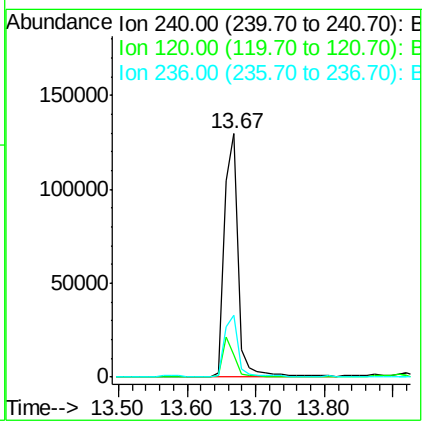


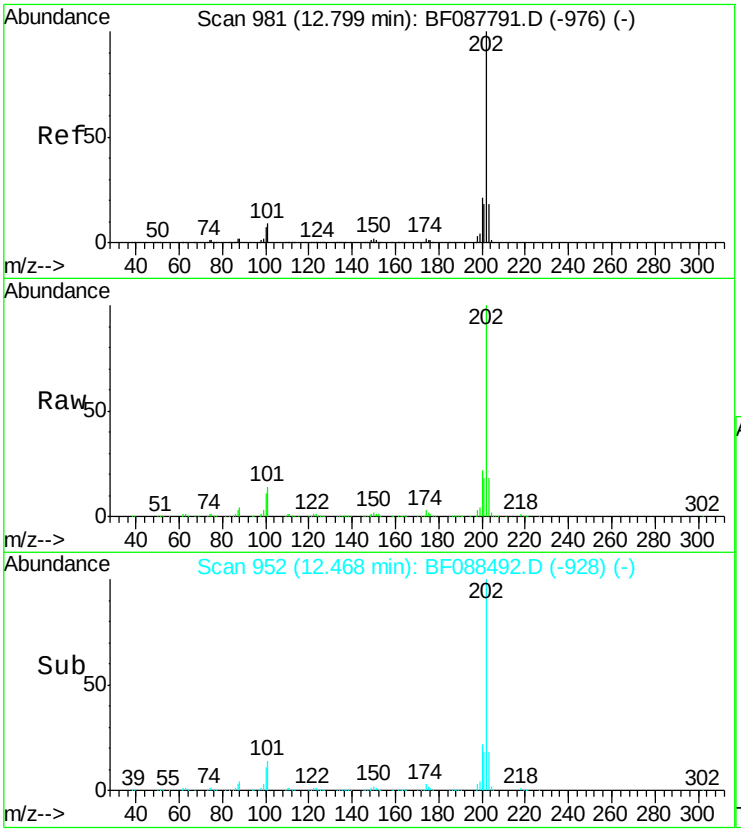


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:240 Resp: 186952

Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.8	10.2
236	25.2	20.2	30.2



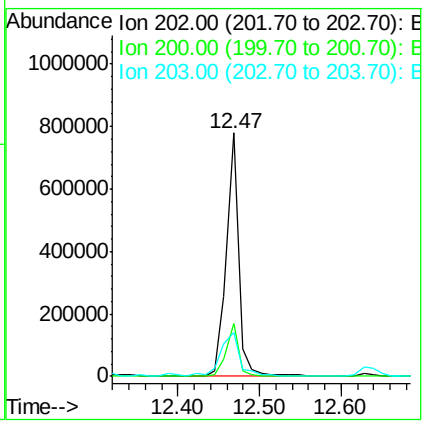


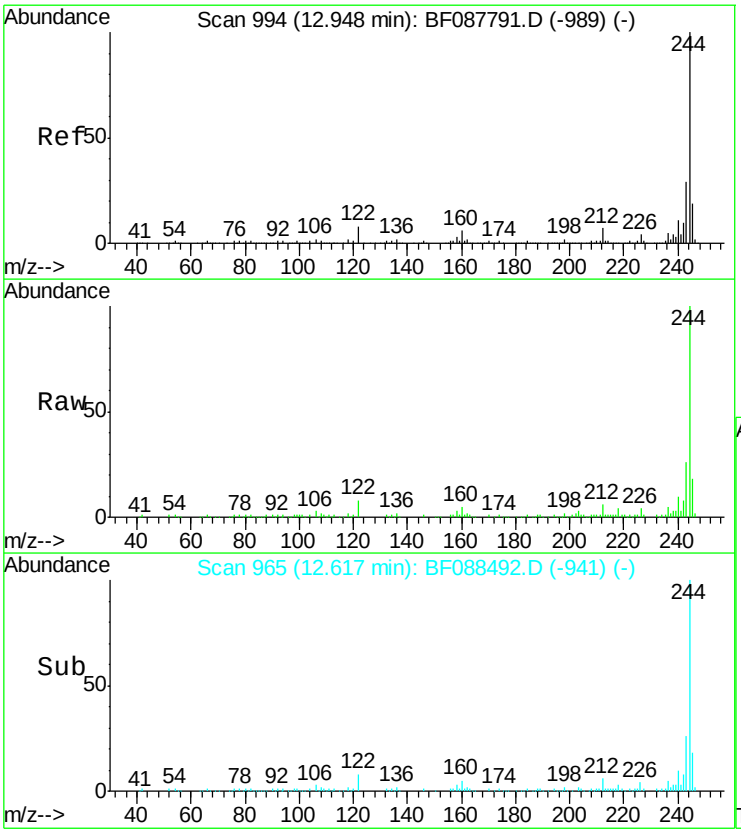
#77
Pyrene
Concen: 58.54 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:202 Resp: 812139

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.3	14.5	21.7

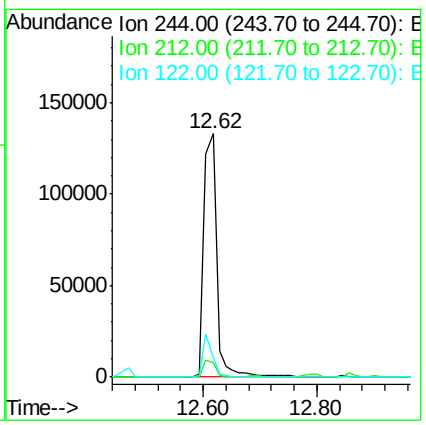


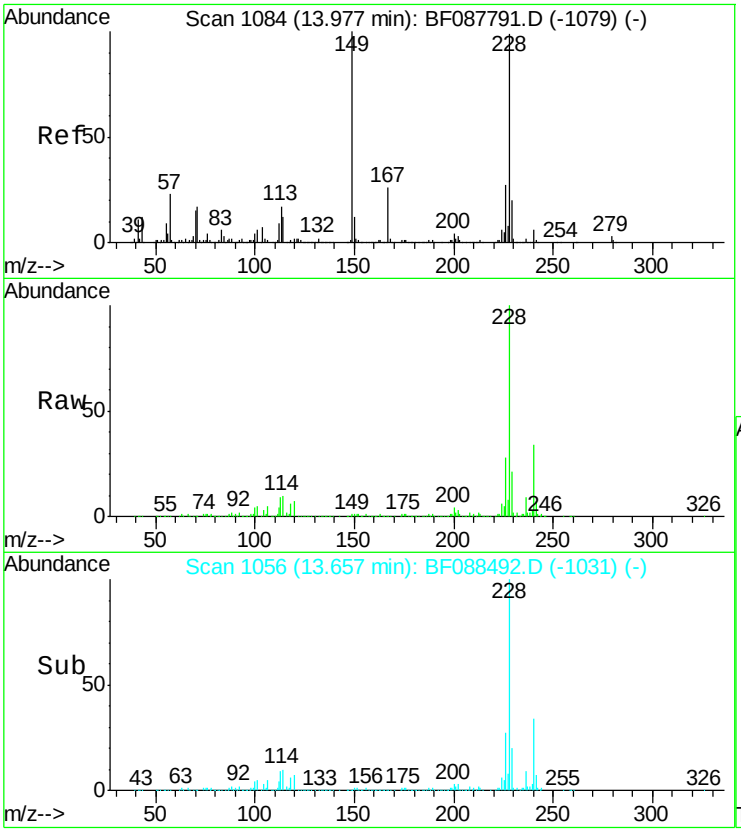


#78
Terphenyl-d14
Concen: 24.52 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:244 Resp: 201429

Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	8.1	11.2	16.8#



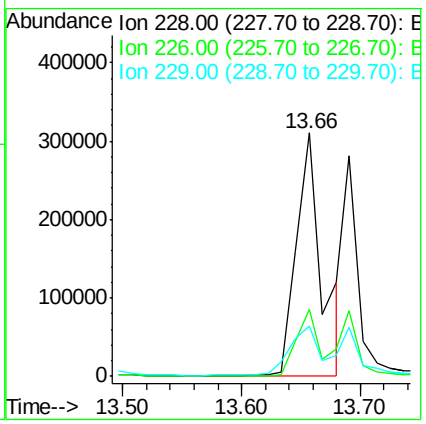


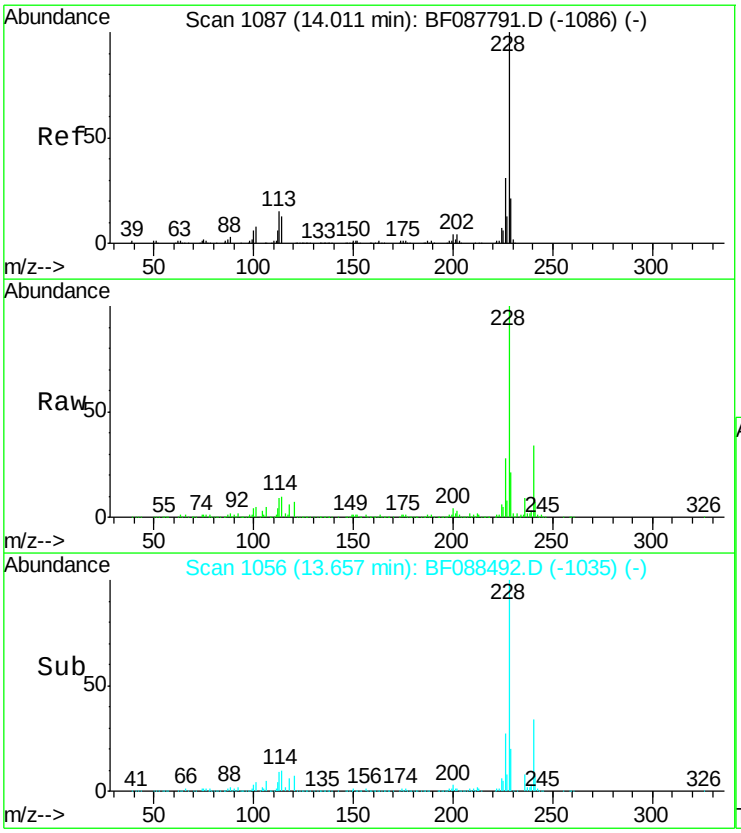
#80
Benzo(a)anthracene
Concen: 43.37 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:228 Resp: 462091

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	20.7	16.0	24.0

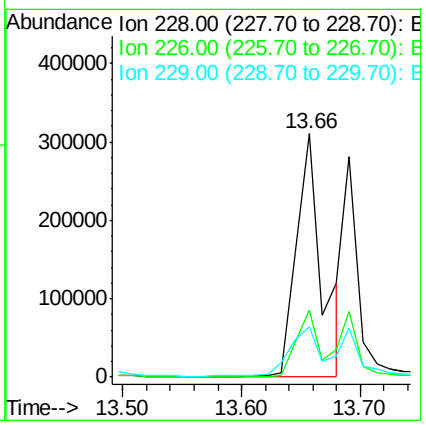


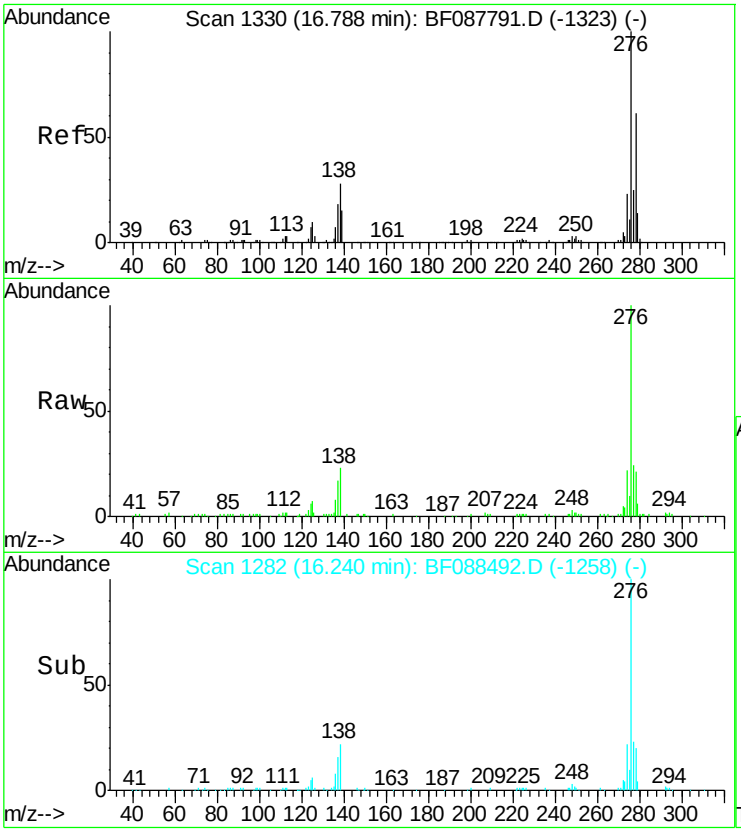


#82
Chrysene
Concen: 46.10 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.06 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:228 Resp: 462091

Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.4	38.2
229	20.7	16.3	24.5



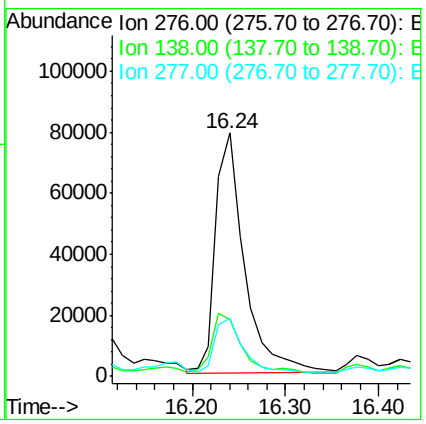


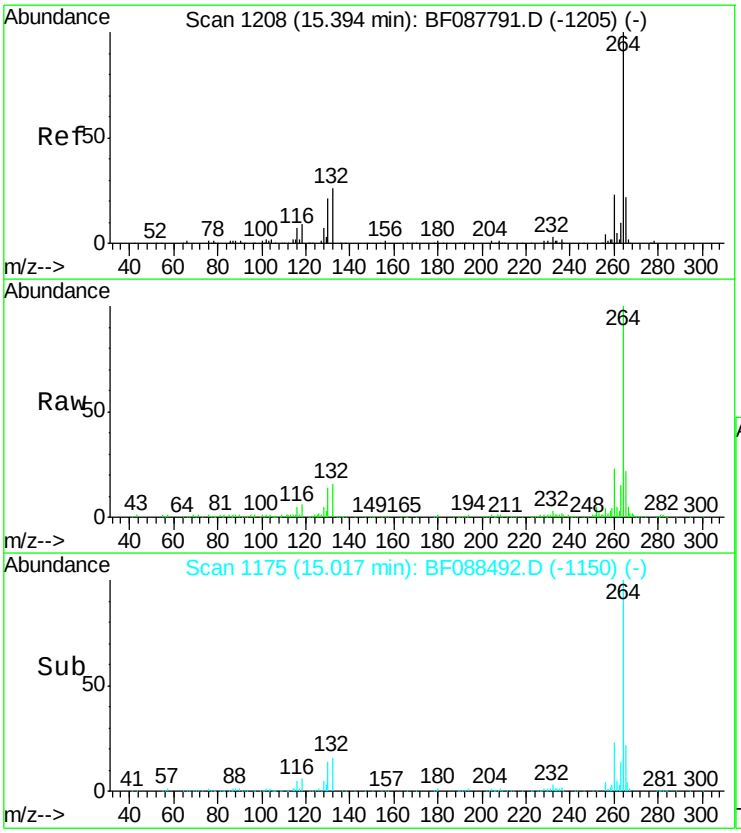
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.38 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:276 Resp: 171189

Ion	Ratio	Lower	Upper
276	100		
138	26.4	0.0	0.0#
277	22.1	0.0	0.0#

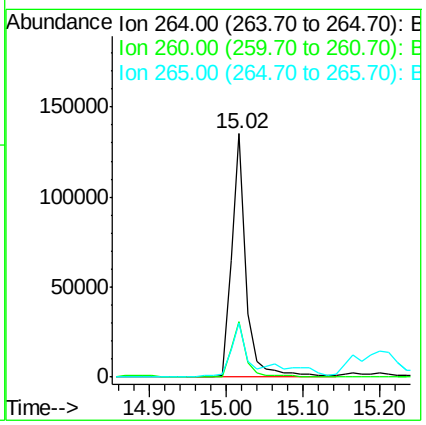


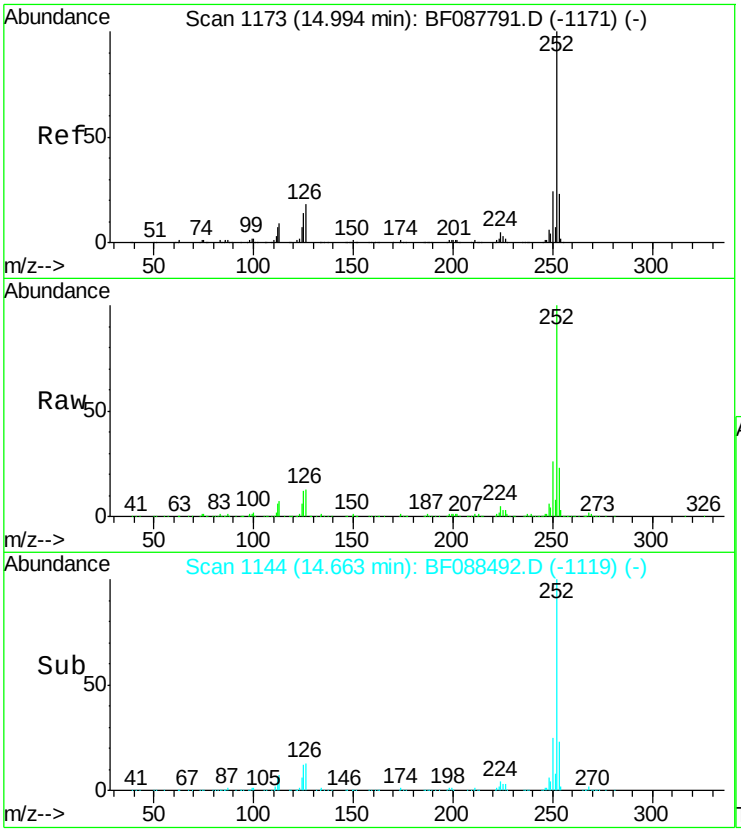


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:264 Resp: 182738

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.3	16.9	25.3



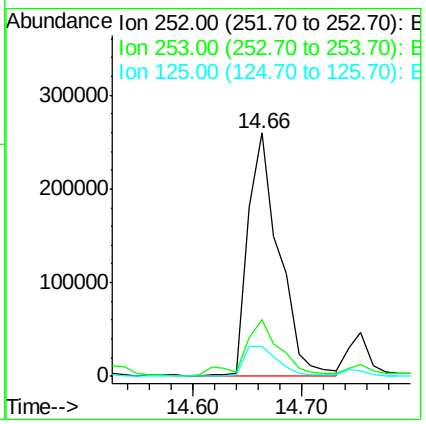


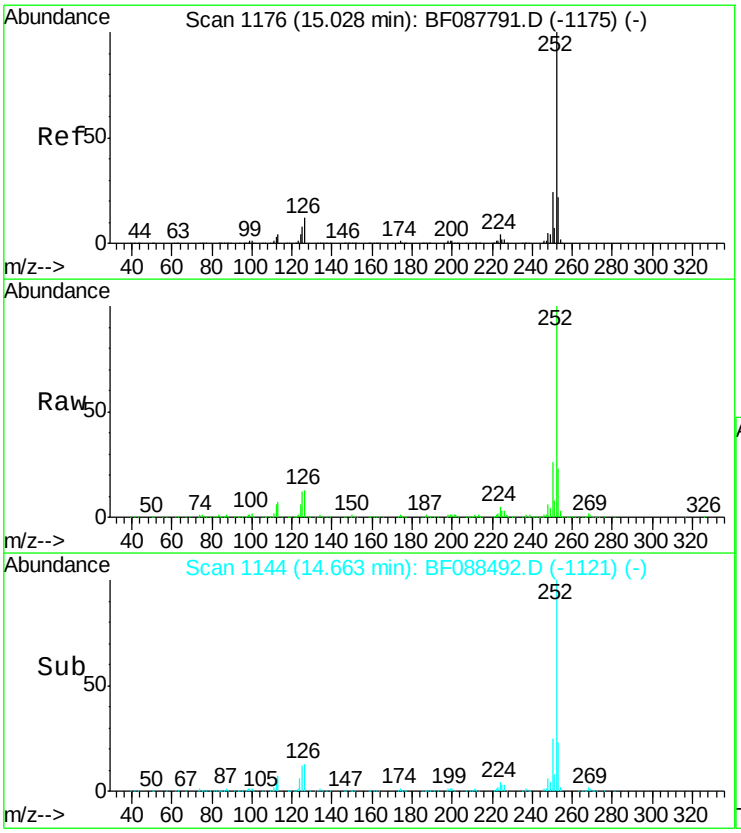
#87
Benzo(b)fluoranthene
Concen: 40.27 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:252 Resp: 512913

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.4	7.1	10.7#

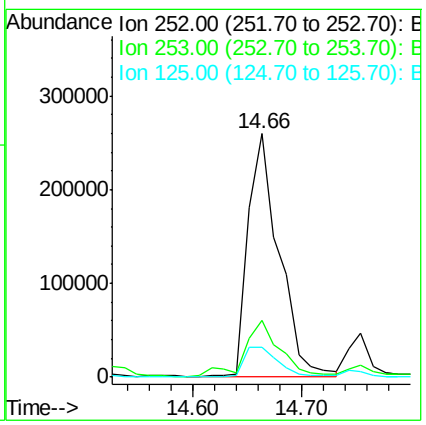


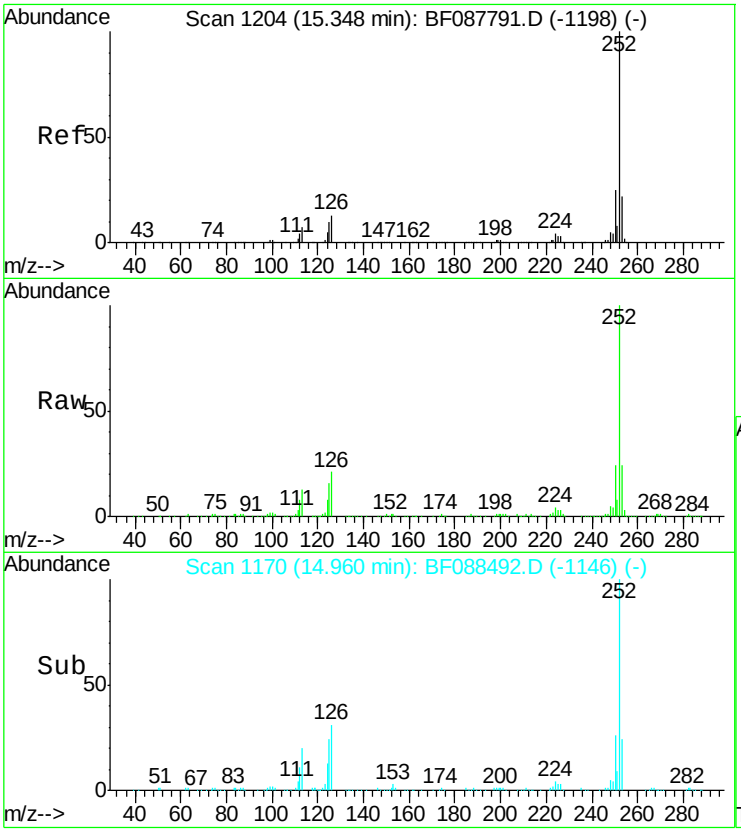


#88
Benzo(k)fluoranthene
Concen: 53.38 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:252 Resp: 512913

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.4	11.2	16.8



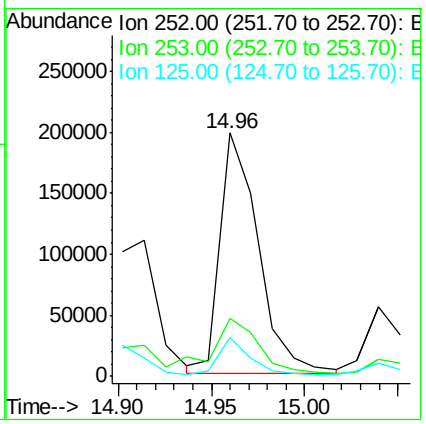


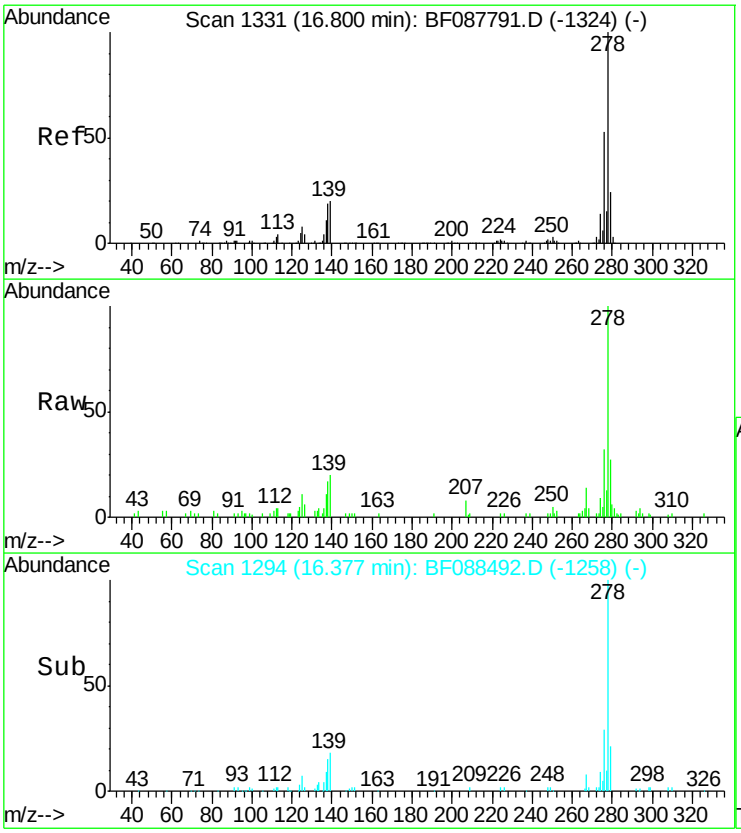
#89
Benzo(a)pyrene
Concen: 27.74 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:252 Resp: 285892

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	15.9	12.5	18.7

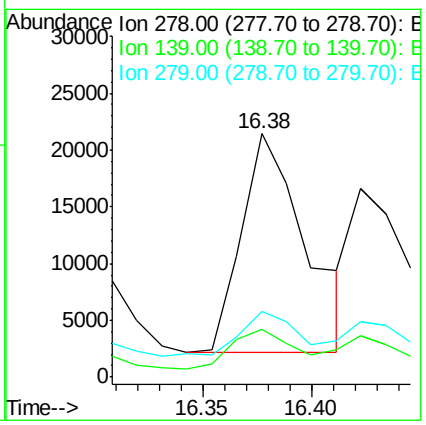


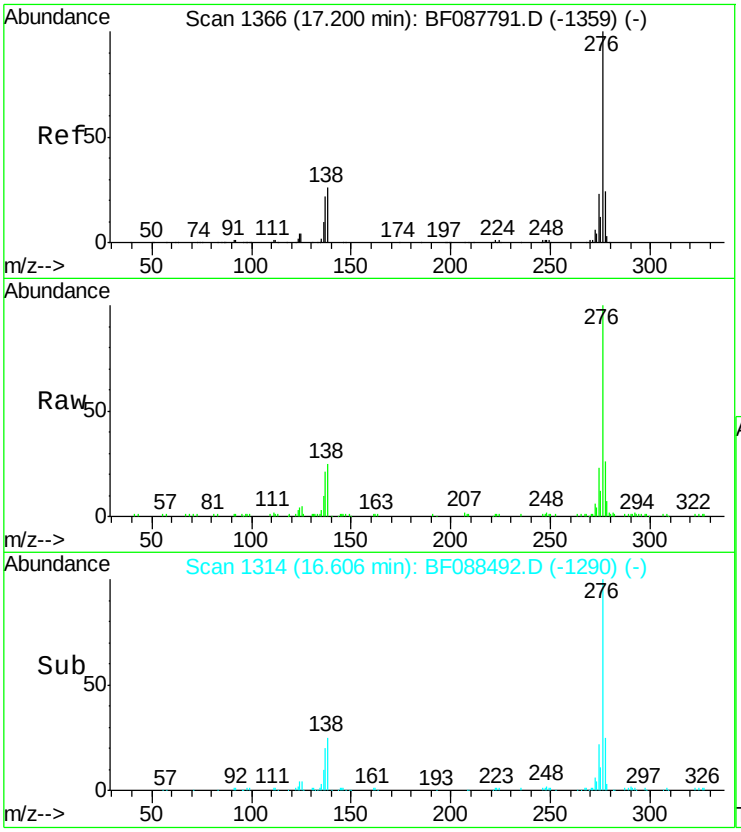


#90
Dibenzo(a,h)anthracene
Concen: 4.12 ng
RT: 16.38 min Scan# 1294
Delta R.T. 0.11 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:278 Resp: 39422

Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.7	23.5
279	26.8	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 15.72 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:276 Resp: 154797

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.9	28.3
138	25.2	21.4	32.2