Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
Data File : BF087068.D
Acq On : 15 May 2016 14:30
Operator : UM/SJ
Sample : H2968-07 2X
Misc :
ALS Vial : 87 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DUPB

Quant Time: May 16 04:57:46 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	166901	20.00	ng		0.07
21) Naphthalene-d8	7.90	136	263173	20.00	ng		-0.09
38) Acenaphthene-d10	9.64	164	109422	20.00	ng		-0.09
63) Phenanthrene-d10	11.13	188	177696	20.00	ng		-0.08
75) Chrysene-d12	13.76	240	176513	20.00	ng		-0.08
86) Perylene-d12	15.12	264	164877	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.20	112	350667	35.58	ng		-0.09
7) Phenol-d6	6.28	99	444639	33.76	ng		-0.08
23) Nitrobenzene-d5	7.19	82	288578	55.06	ng		-0.08
41) 2,4,6-Tribromophenol	10.43	330	75111	64.84	ng		-0.09
44) 2-Fluorobiphenyl	8.98	172	468256	71.92	ng		-0.08
78) Terphenyl-d14	12.71	244	336314	40.43	ng		-0.09
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	39274	4.27	ng	#	76
25) Isophorone	7.19	82	288574	29.68	ng	#	68
48) Acenaphthylene	9.51	152	27957	2.79	ng		98
49) Dimethylphthalate	9.38	163	39389	4.72	ng		100
50) 2,6-Dinitrotoluene	9.64	165	13703	7.80	ng	#	20
55) 4-Nitrophenol	9.86	139	1376	5.61	ng	#	14
56) 2,4-Dinitrotoluene	9.64	165	13704	6.30	ng	#	15
66) 4-Bromophenyl-phenylether	10.43	248	4619	2.56	ng	#	1
70) Phenanthrene	11.15	178	90766	9.57	ng		98
71) Anthracene	11.20	178	53378	5.50	ng		99
74) Fluoranthene	12.33	202	373133	38.26	ng		96
77) Pyrene	12.56	202	327382	24.23	ng		99
80) Benzo(a)anthracene	13.75	228	255231	25.76	ng	#	90
82) Chrysene	13.75	228	255231	25.32	ng	#	91
85) Indeno(1,2,3-cd)pyrene	16.38	276	66970	7.99	ng	#	89
87) Benzo(b)fluoranthene	14.75	252	285479	26.64	ng		98
88) Benzo(k)fluoranthene	14.75	252	285479	32.54	ng		97
89) Benzo(a)pyrene	15.07	252	138138	14.95	ng	#	92
91) Benzo(g,h,i)perylene	16.75	276	54859	6.93	ng	#	94

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

Quantitation Report (Not Reviewed)

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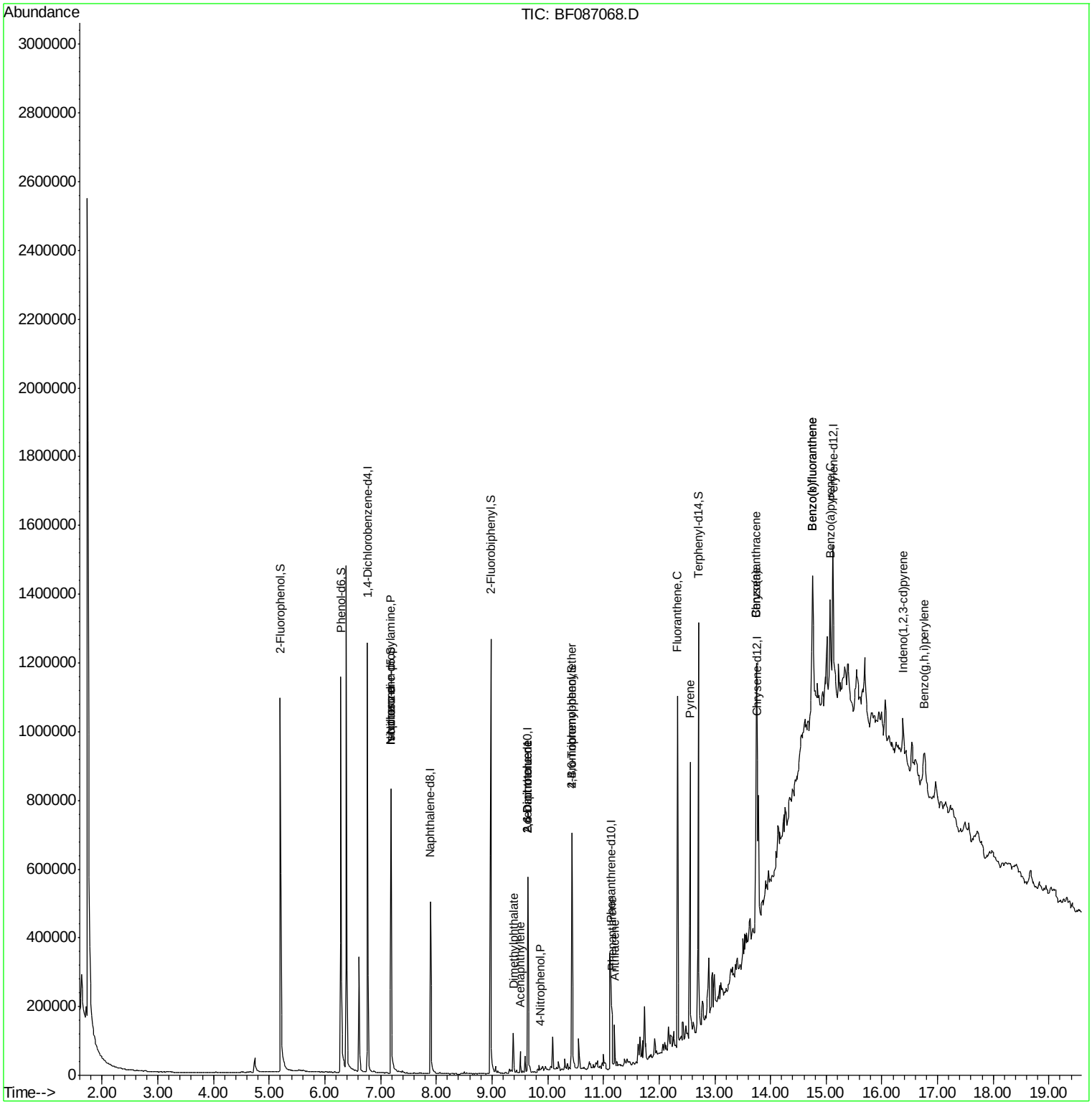
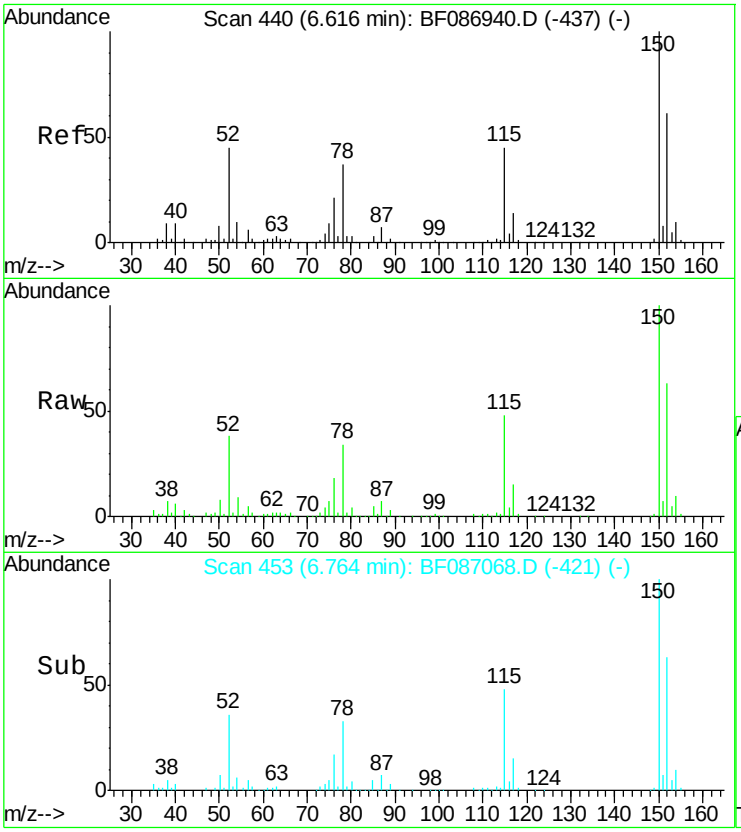


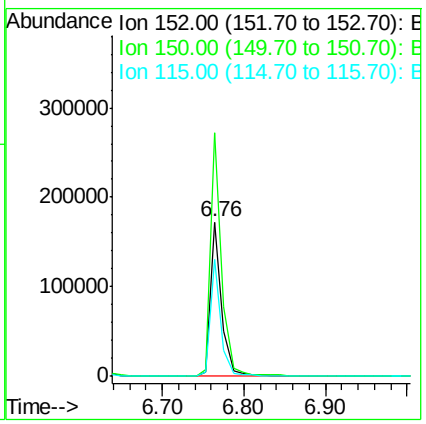


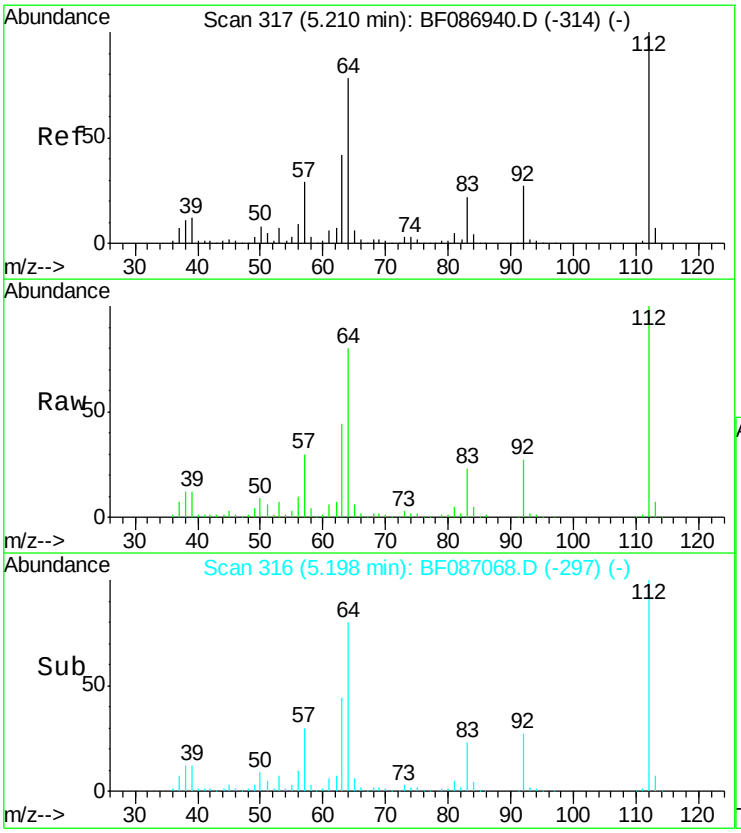
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.07 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:152 Resp: 166901

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.8	188.6
115	75.9	51.5	77.3

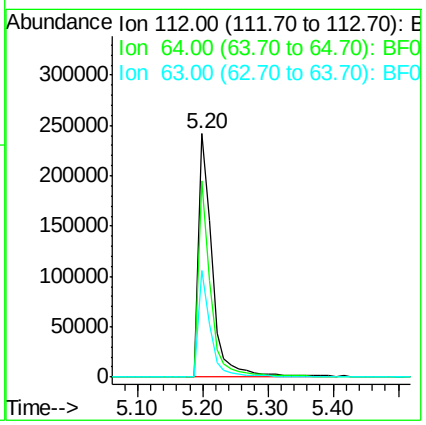


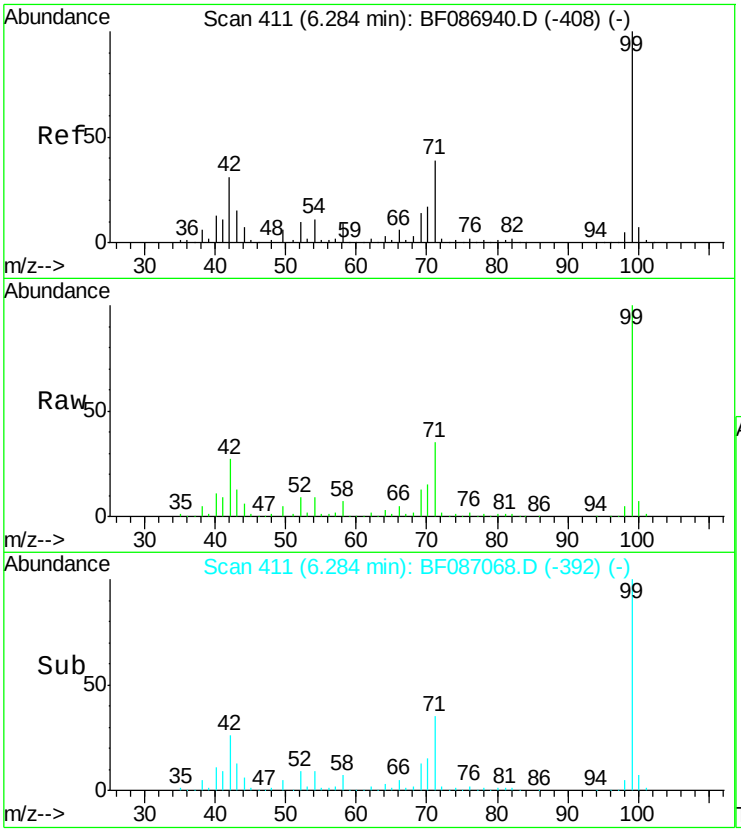


#5
2-Fluorophenol
Concen: 35.58 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:112 Resp: 350667

Ion	Ratio	Lower	Upper
112	100		
64	80.4	52.1	78.1#
63	43.7	25.7	38.5#



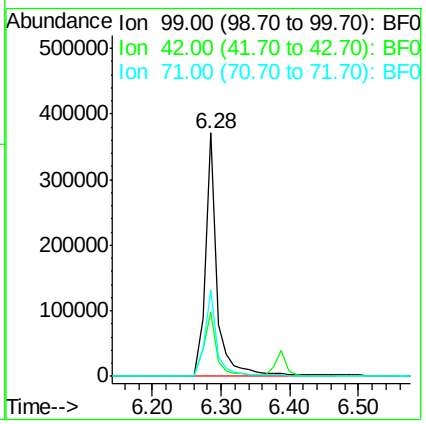


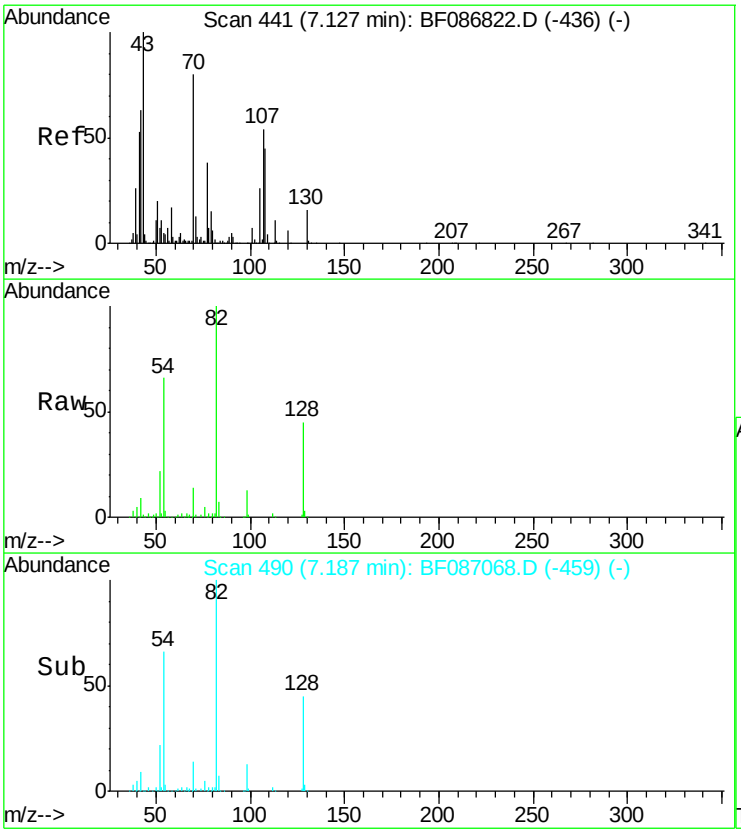
#7
Phenol-d6
Concen: 33.76 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion: 99 Resp: 444639

Ion	Ratio	Lower	Upper
99	100		
42	26.6	13.6	20.4#
71	35.4	24.6	36.8

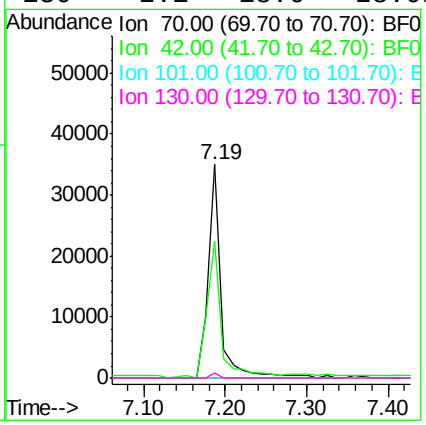


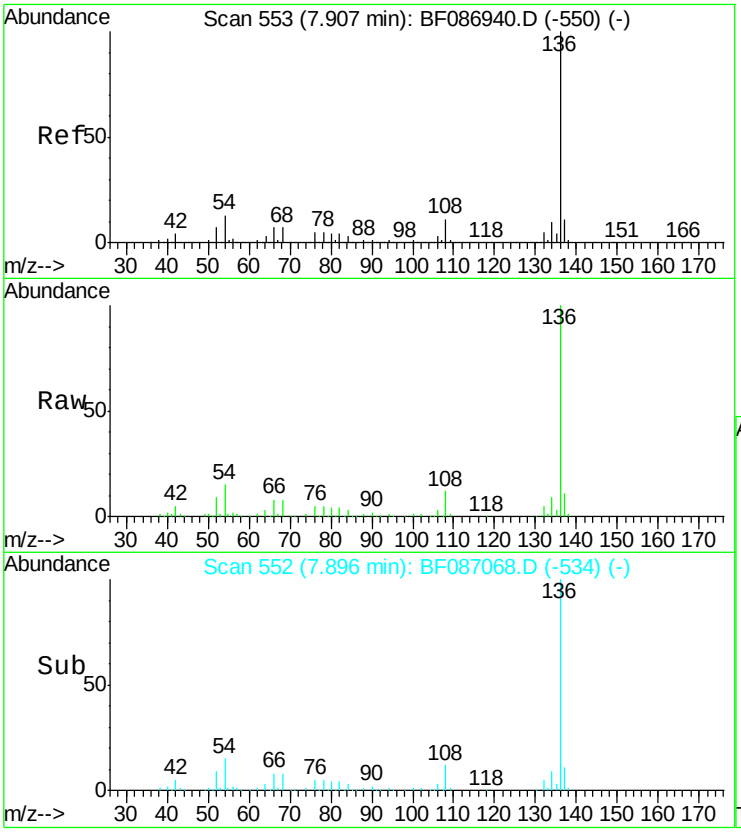


#19
n-Nitroso-di-n-propylamine
Concen: 4.27 ng
RT: 7.19 min Scan# 490
Delta R.T. 0.06 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion: 70 Resp: 39274

Ion	Ratio	Lower	Upper
70	100		
42	64.1	43.1	64.7
101	0.0	8.1	12.1#
130	2.1	18.6	28.0#



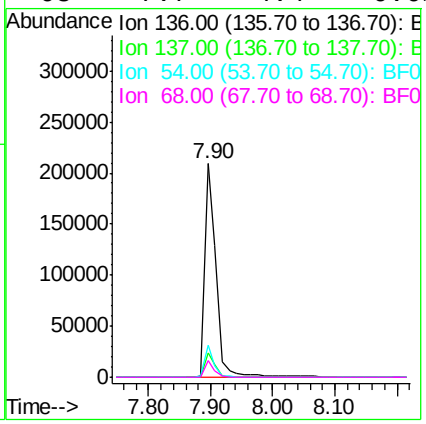


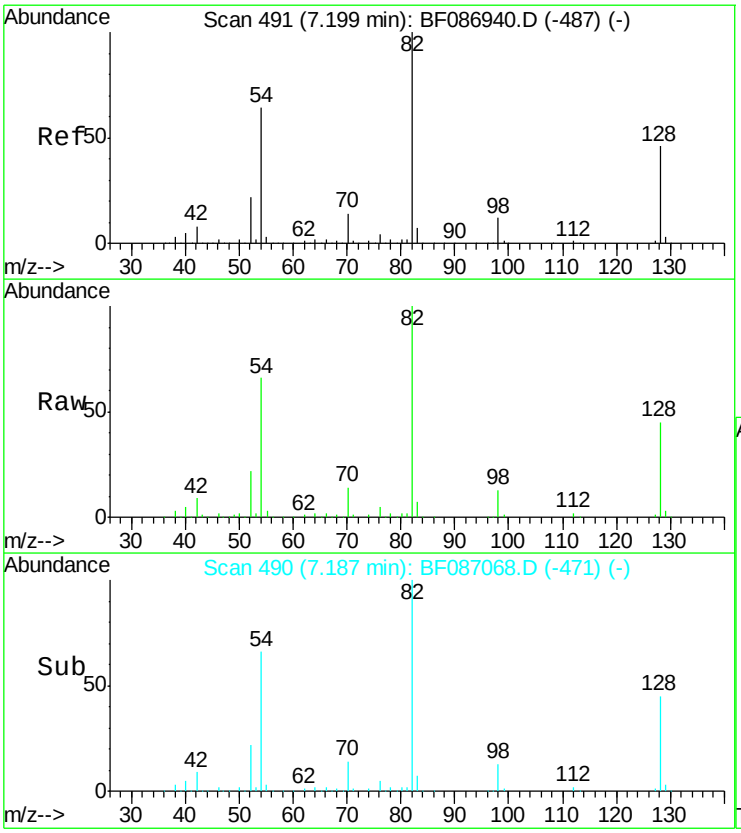
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:136 Resp: 263173

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	15.3	5.0	7.4#
68	7.7	4.4	6.6#

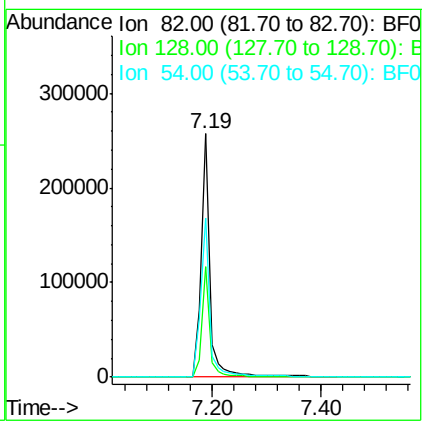


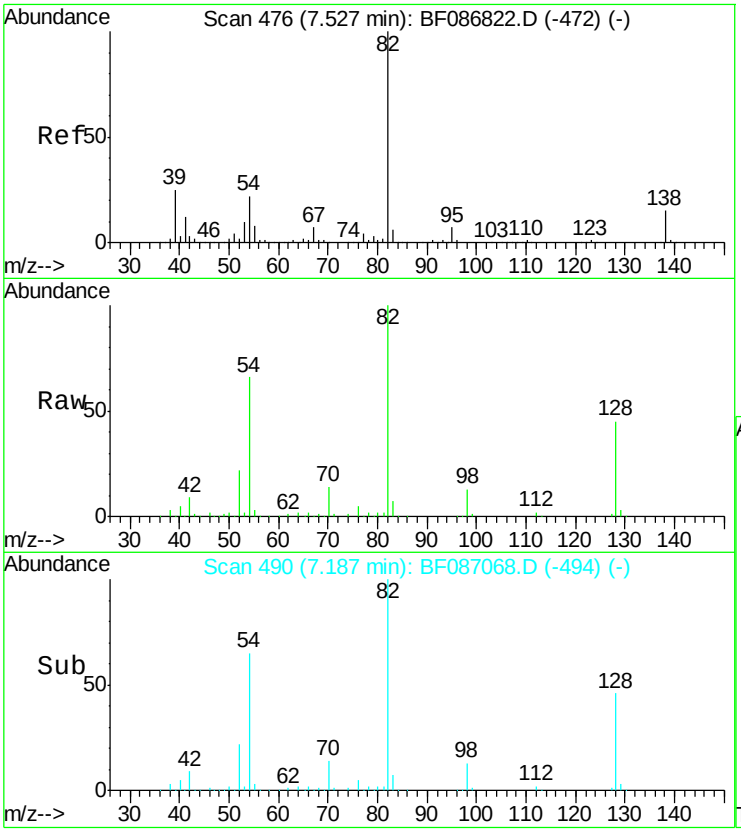


#23
Nitrobenzene-d5
Concen: 55.06 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion: 82 Resp: 288578

Ion	Ratio	Lower	Upper
82	100		
128	45.3	40.6	61.0
54	65.5	38.1	57.1#



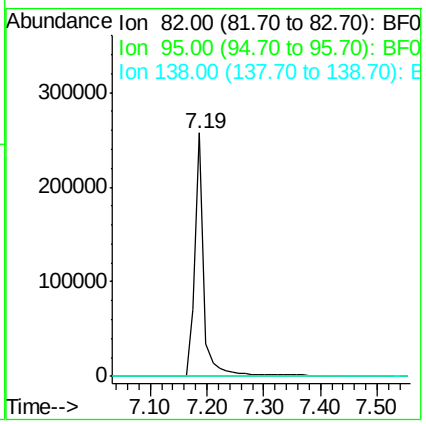


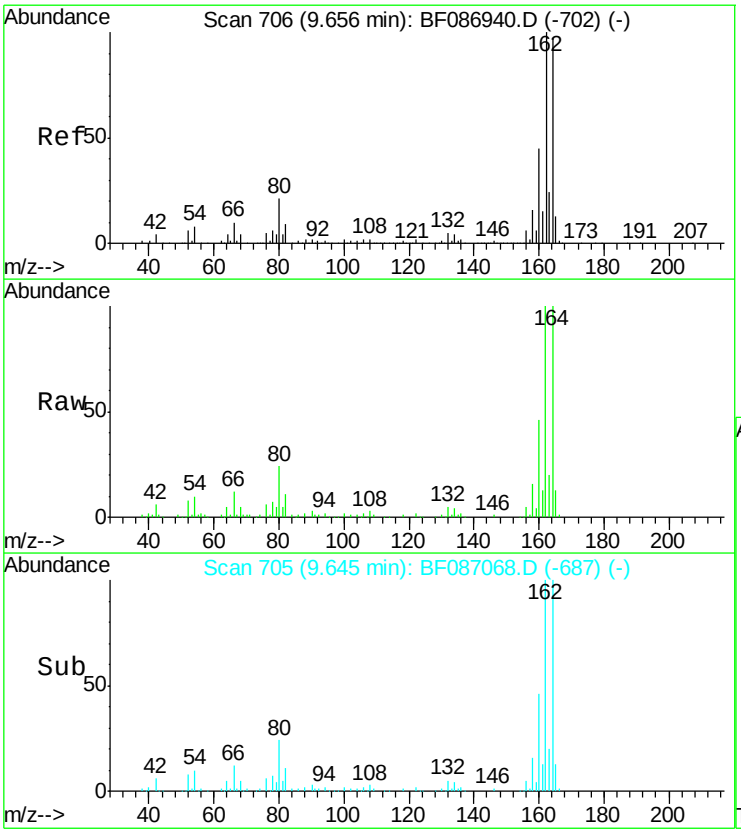
#25
Isophorone
Concen: 29.68 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.34 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion: 82 Resp: 288574

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

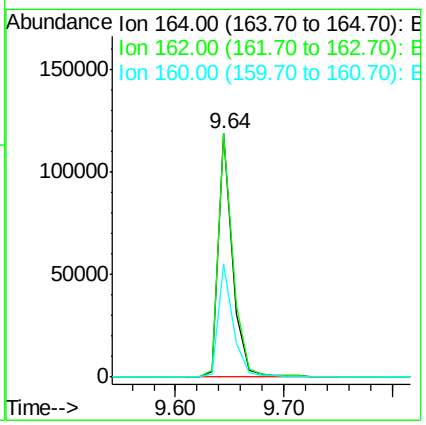


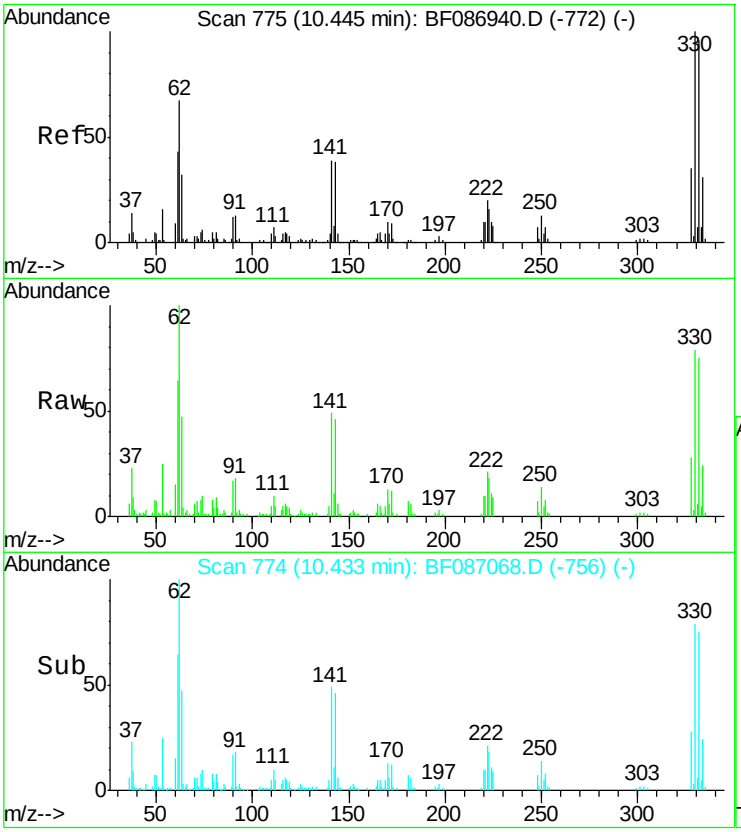


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:164 Resp: 109422

Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.8	124.2
160	46.3	36.9	55.3



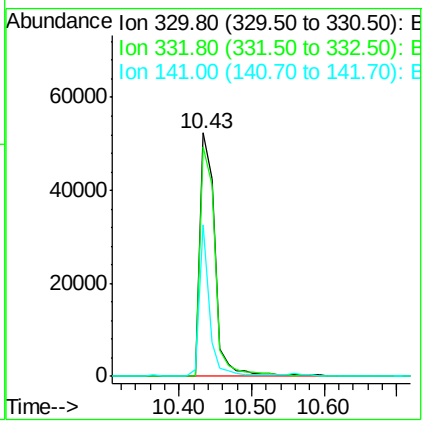


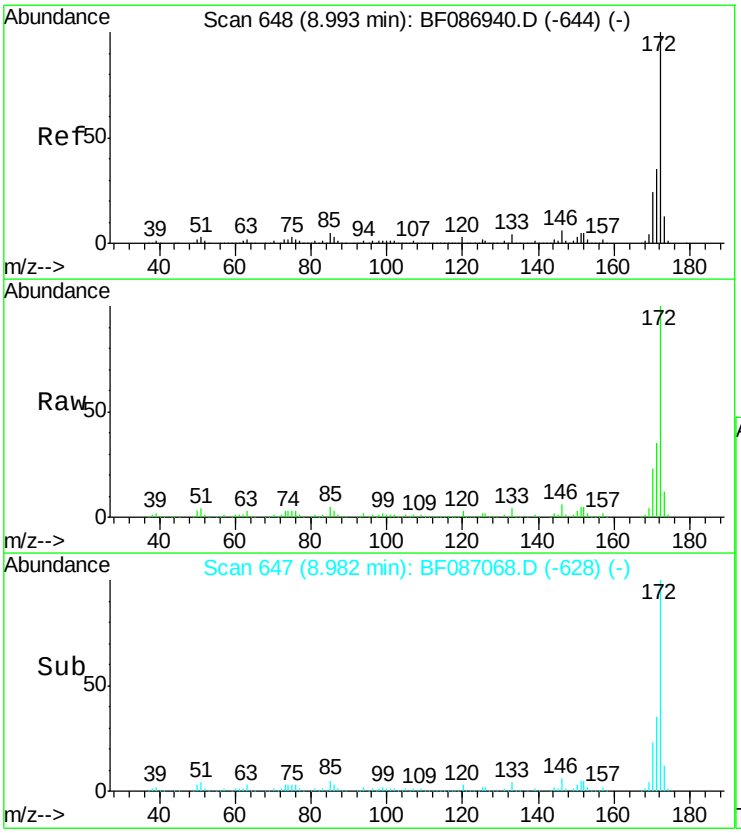
#41
2,4,6-Tribromophenol
Concen: 64.84 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:330 Resp: 75111

Ion	Ratio	Lower	Upper
330	100		
332	94.5	79.0	118.4
141	42.6	31.2	46.8

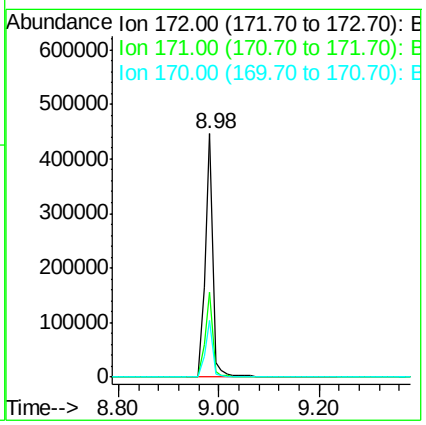


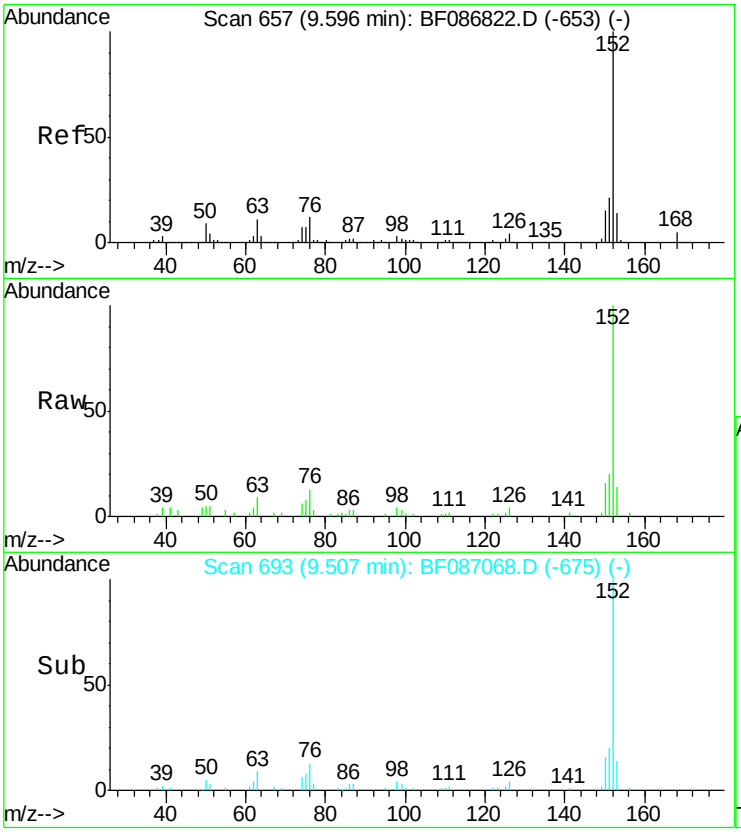


#44
2-Fluorobiphenyl
Concen: 71.92 ng
RT: 8.98 min Scan# 647
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:172 Resp: 468256

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.6
170	23.4	19.8	29.8



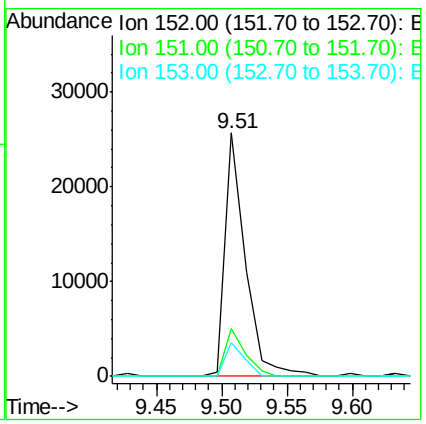


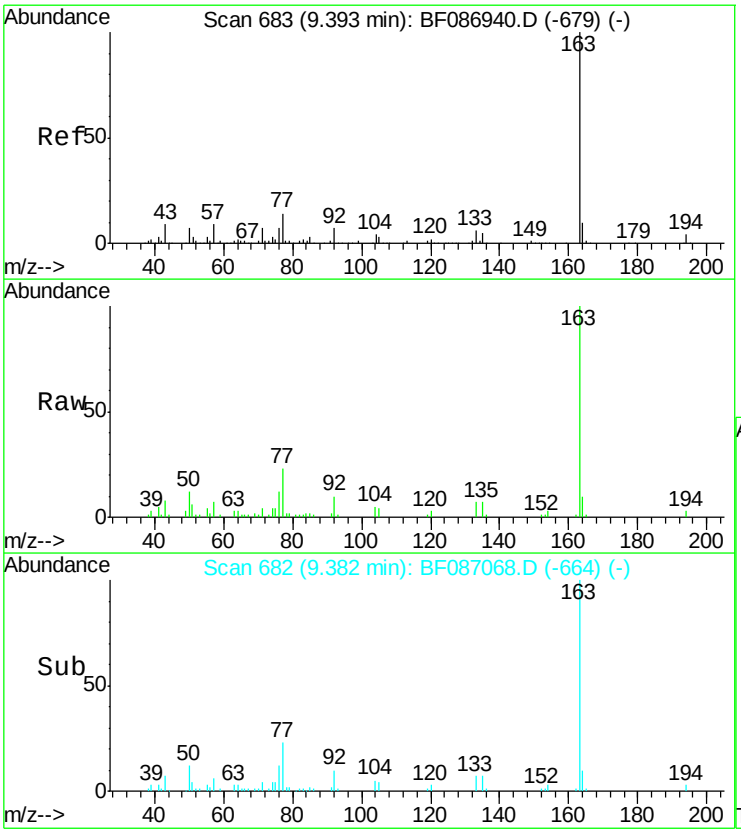
#48
Acenaphthylene
Concen: 2.79 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:152 Resp: 27957

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	14.1	10.9	16.3

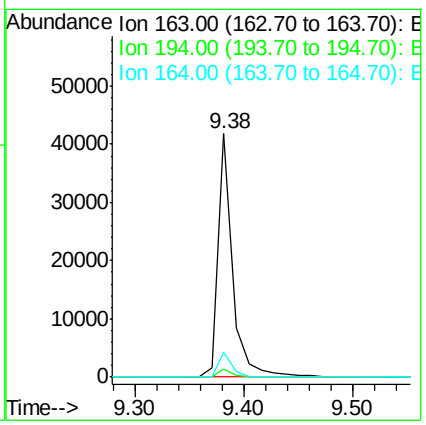


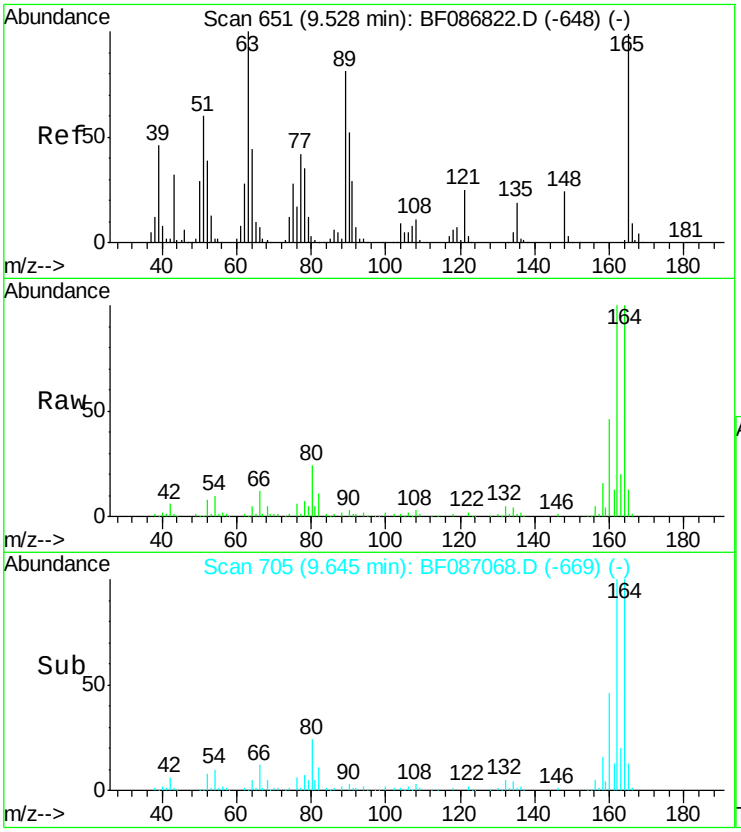


#49
Dimethylphthalate
Concen: 4.72 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:163 Resp: 39389

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.2	8.2	12.4



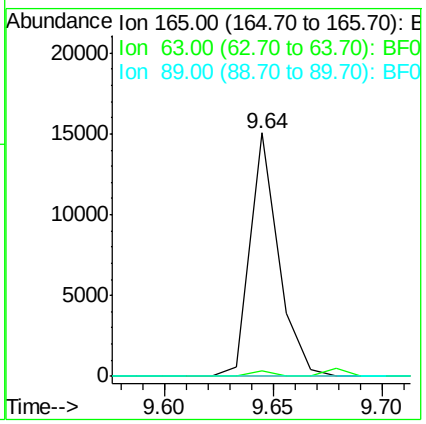


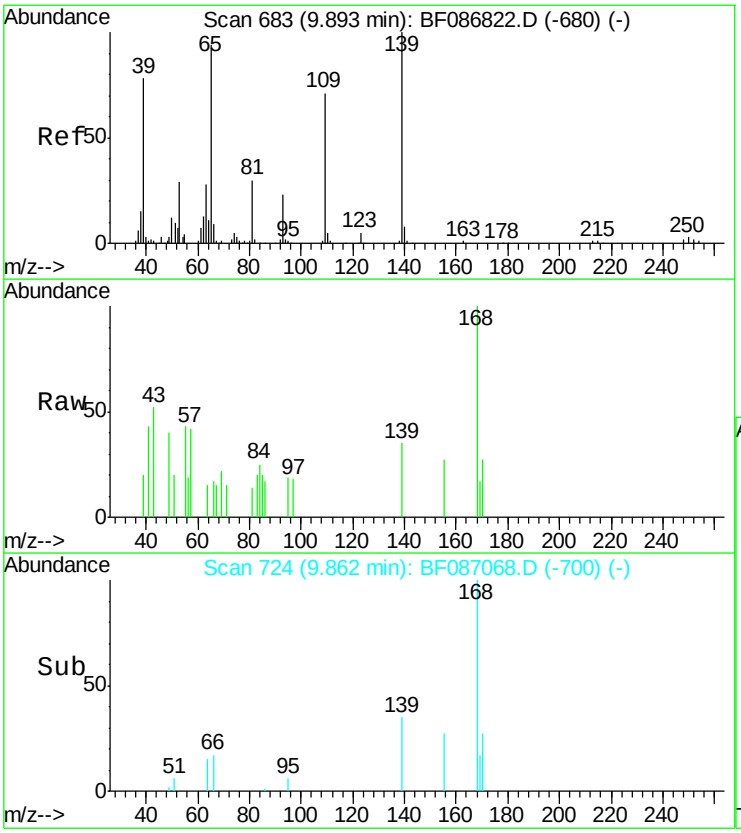
#50
2,6-Dinitrotoluene
Concen: 7.80 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.12 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:165 Resp: 13703

Ion	Ratio	Lower	Upper
165	100		
63	2.1	51.8	77.8#
89	0.0	50.7	76.1#

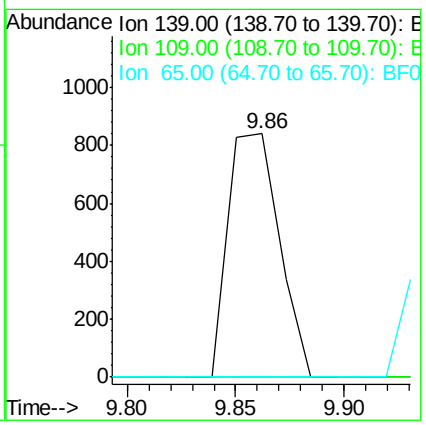


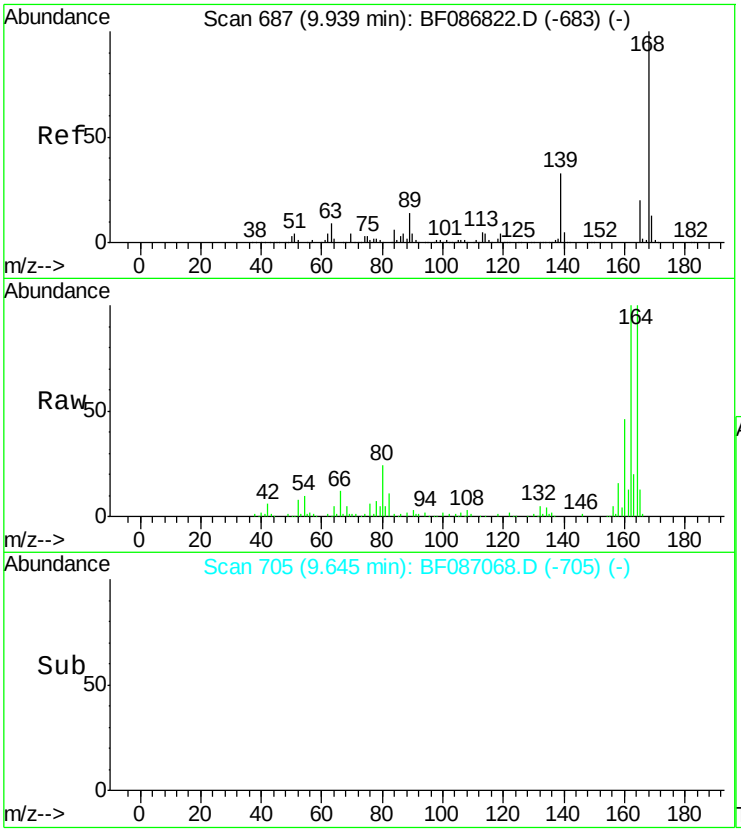


#55
4-Nitrophenol
Concen: 5.61 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.03 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:139 Resp: 1376

Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.9	76.9#
65	0.0	64.0	104.0#



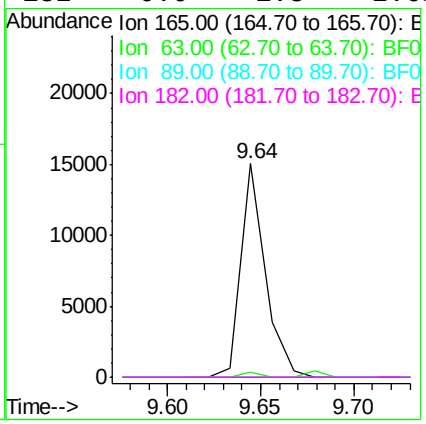


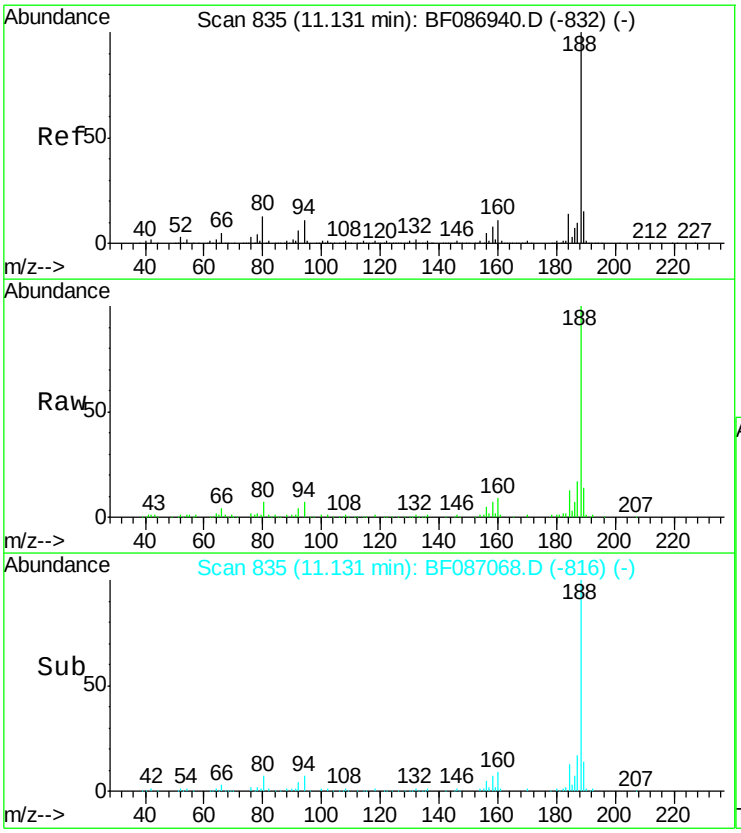
#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.29 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:165 Resp: 13704

Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.3	66.5#
89	0.0	70.0	105.0#
182	0.0	1.8	2.6#

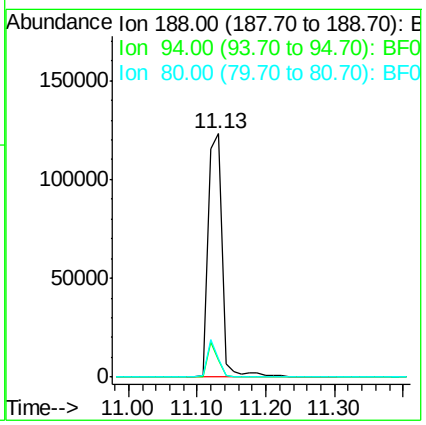


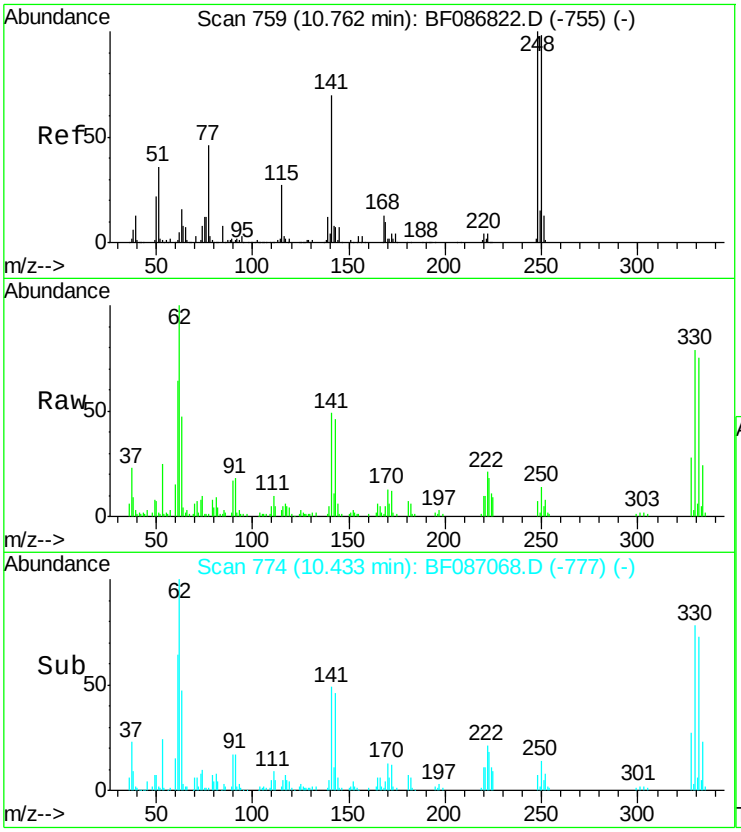


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:188 Resp: 177696

Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.8	10.2
80	7.5	7.1	10.7



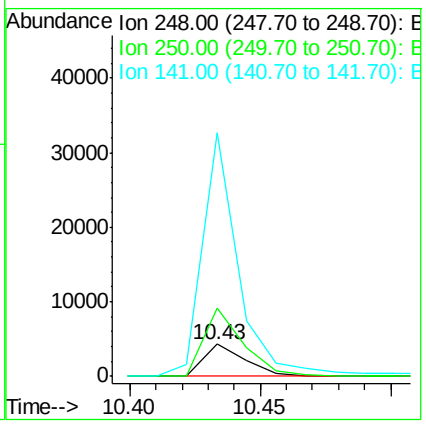


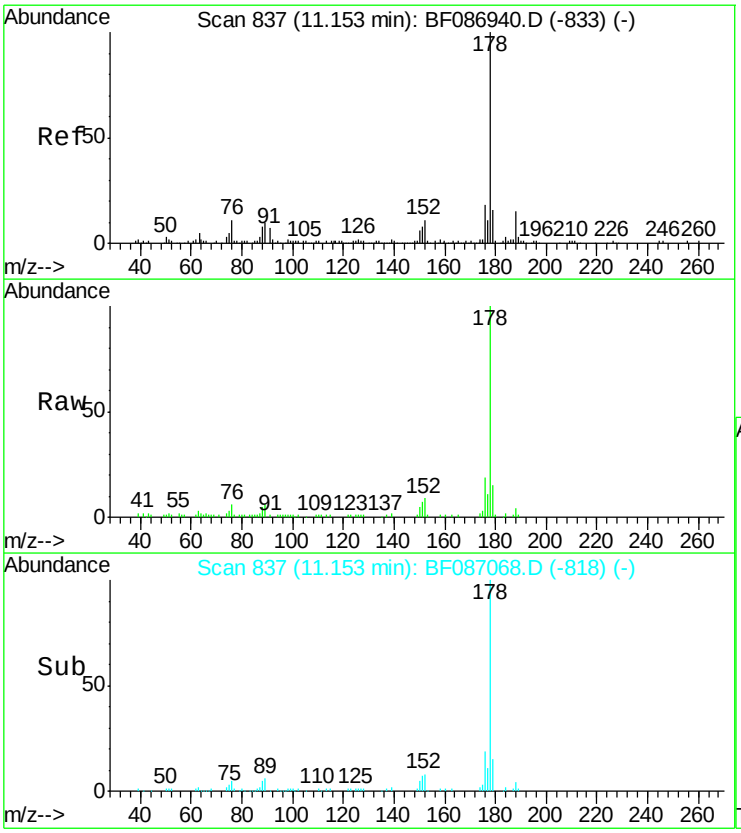
#66
4-Bromophenyl-phenylether
Concen: 2.56 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:248 Resp: 4619

Ion	Ratio	Lower	Upper
248	100		
250	211.7	78.6	117.8#
141	757.1	76.0	114.0#

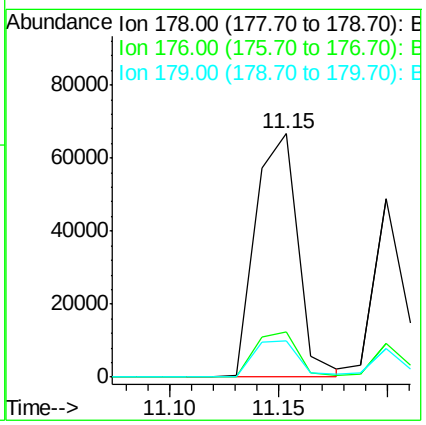


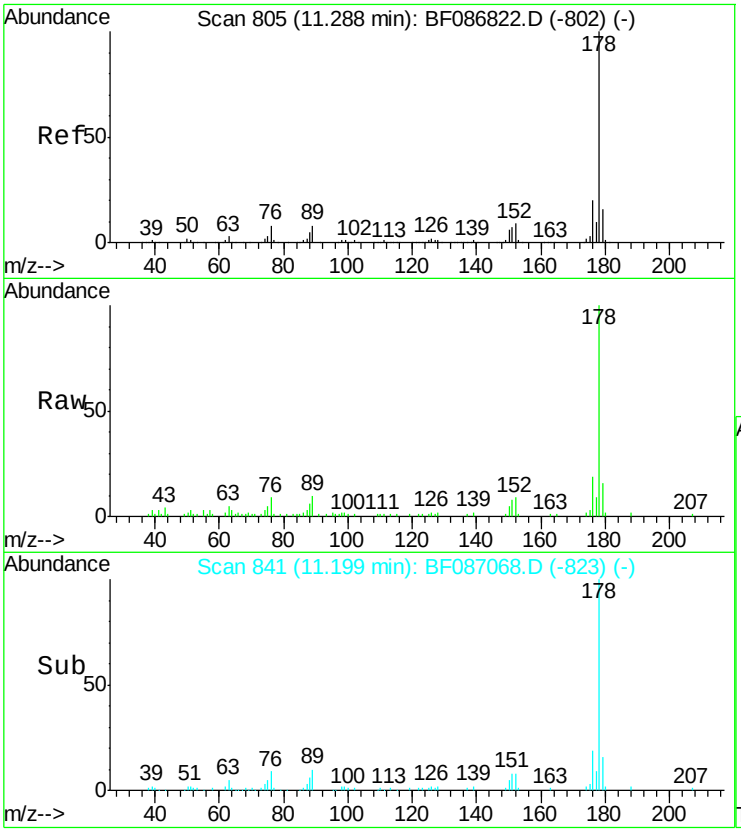


#70
Phenanthrene
Concen: 9.57 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:178 Resp: 90766

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	15.0	12.6	18.8



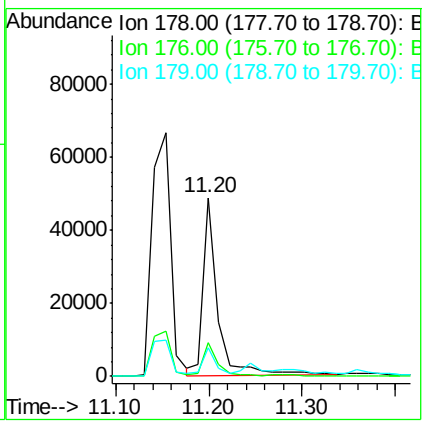


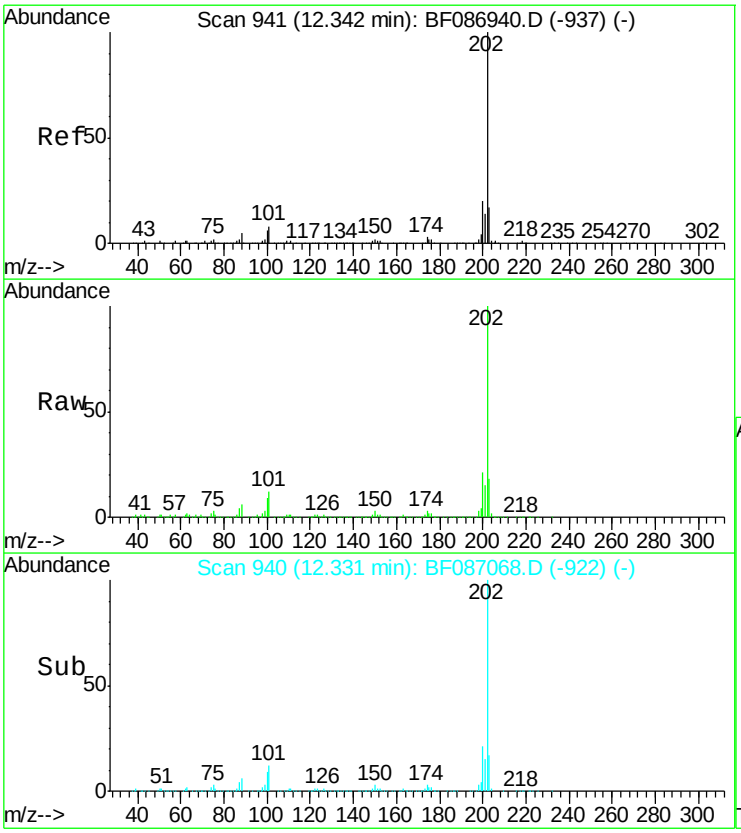
#71
Anthracene
Concen: 5.50 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:178 Resp: 53378

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	16.0	12.7	19.1

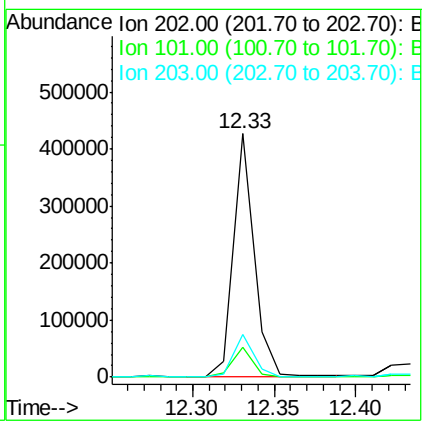


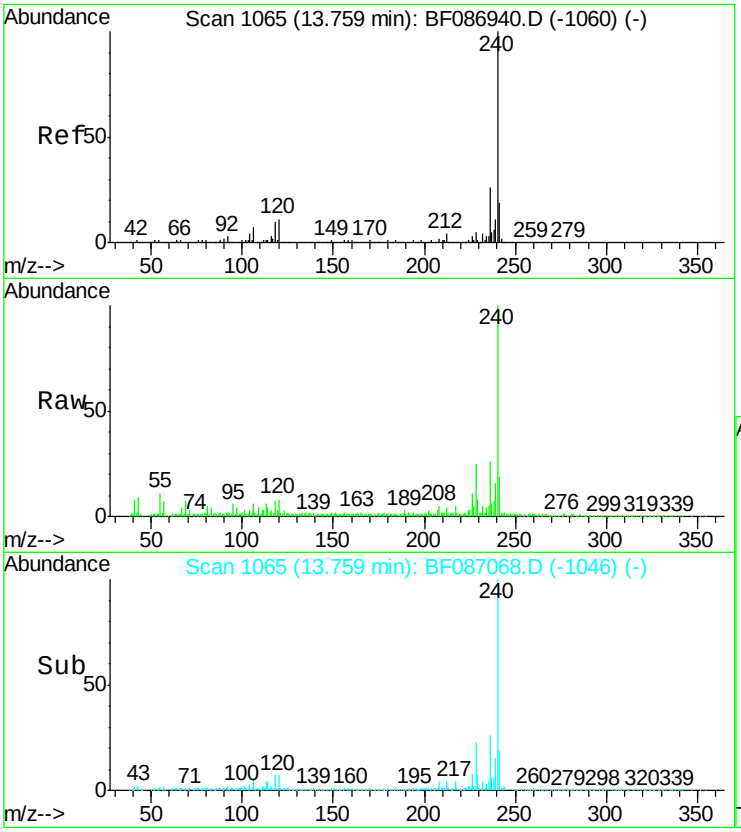


#74
Fluoranthene
Concen: 38.26 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:202 Resp: 373133

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	35.4
203	17.6	0.0	38.1



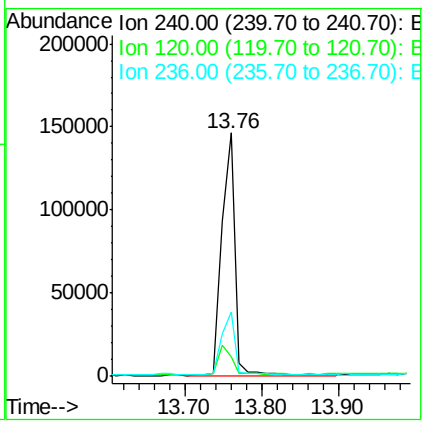


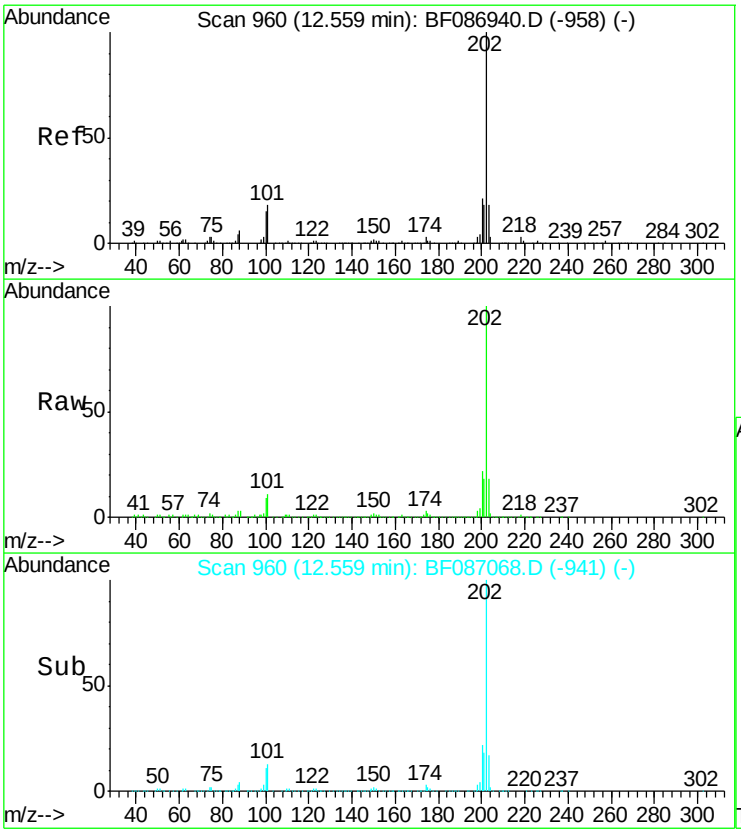
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:240 Resp: 176513

Ion	Ratio	Lower	Upper
240	100		
120	8.0	11.2	16.8#
236	26.4	21.2	31.8

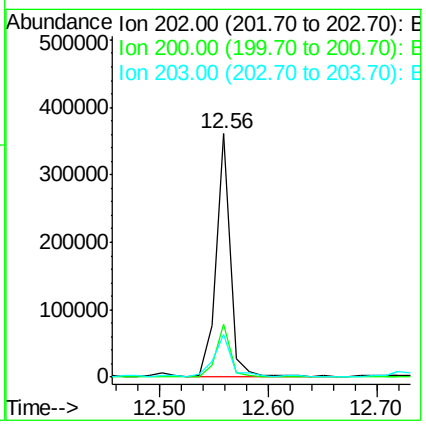


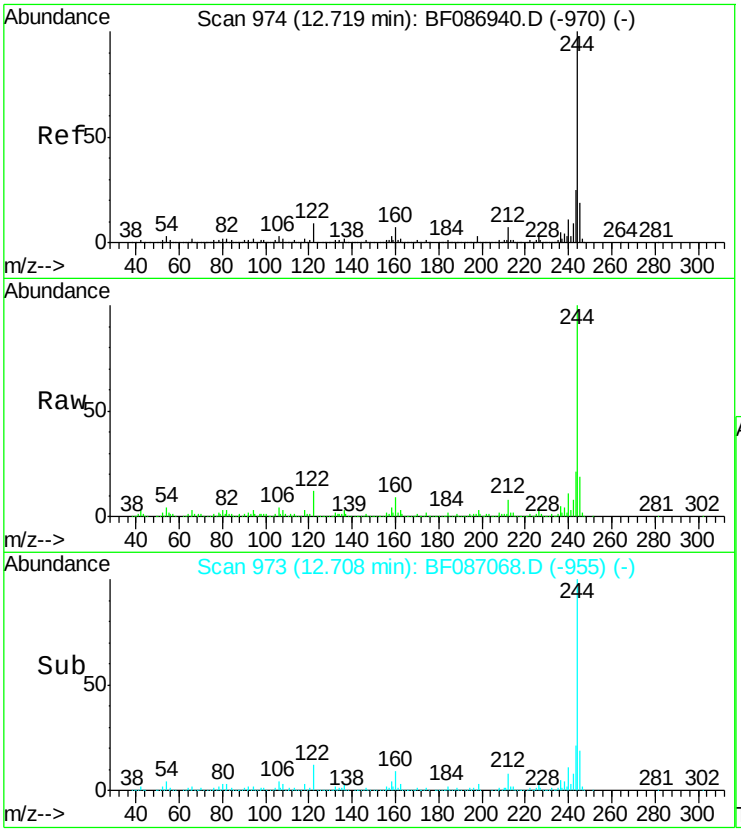


#77
Pyrene
Concen: 24.23 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:202 Resp: 327382

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.7	26.5
203	17.5	14.2	21.4



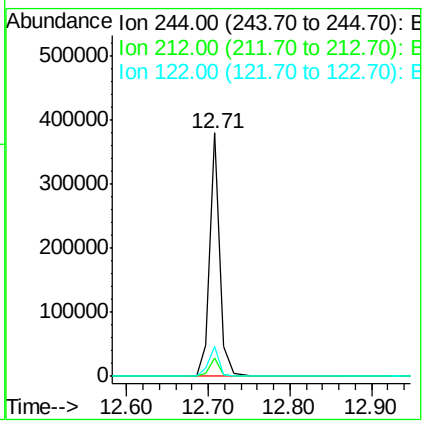


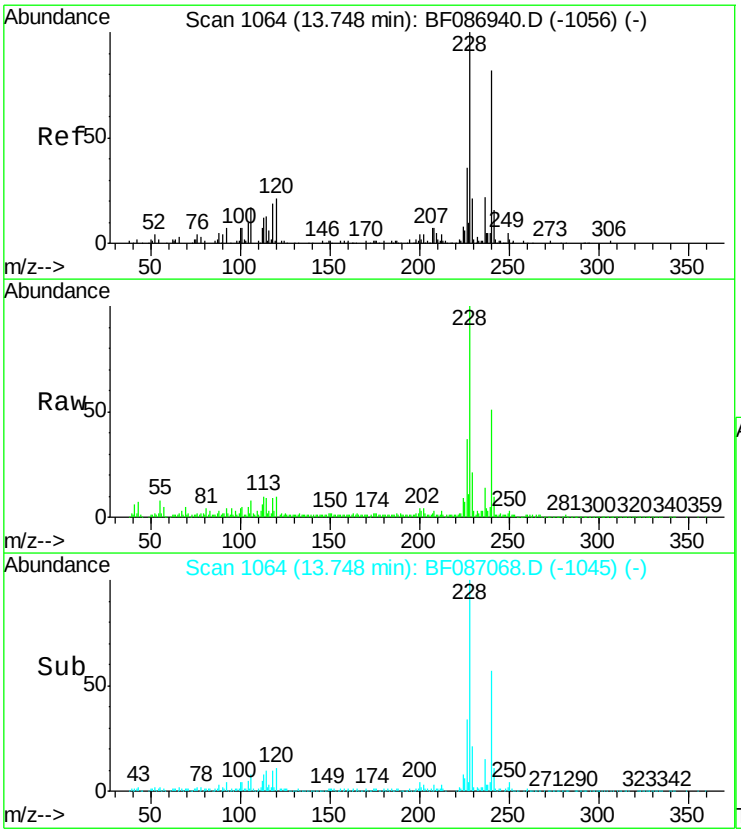
#78
Terphenyl-d14
Concen: 40.43 ng
RT: 12.71 min Scan# 973
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:244 Resp: 336314

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.3	12.0	18.0

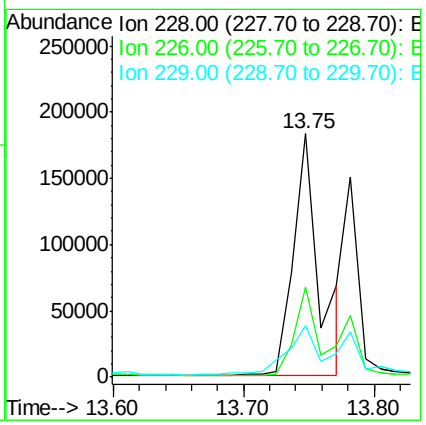


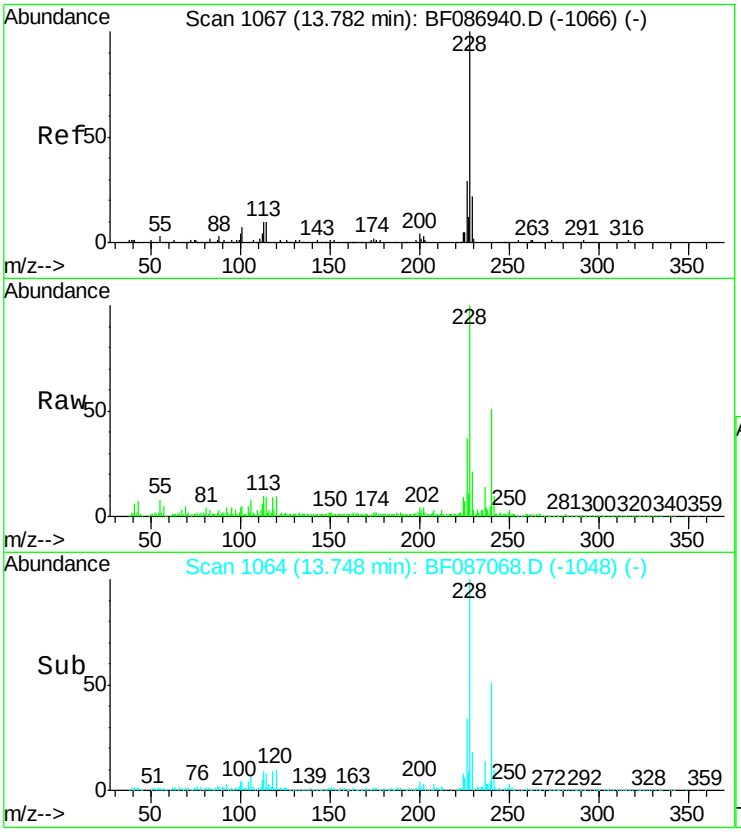


#80
Benzo(a)anthracene
Concen: 25.76 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:228 Resp: 255231

Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.5	33.7#
229	21.4	16.6	25.0



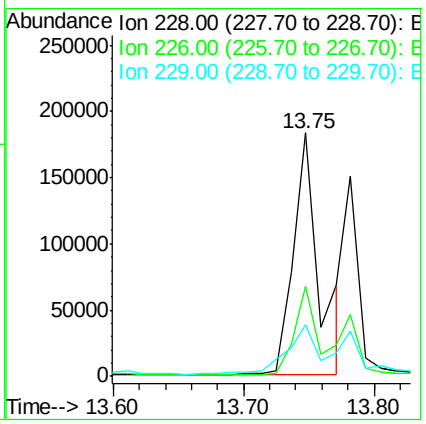


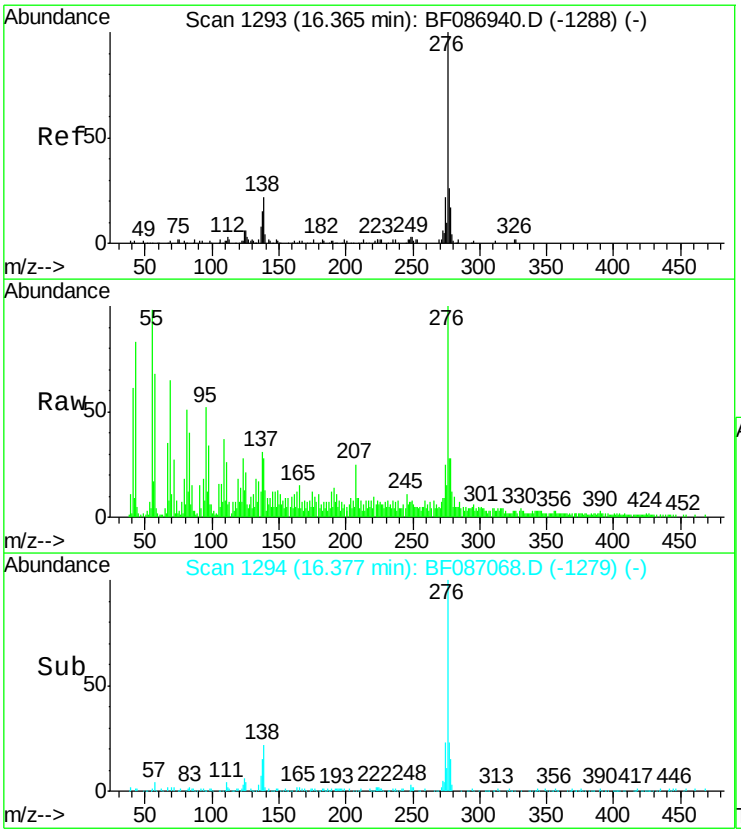
#82
Chrysene
Concen: 25.32 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.11 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:228 Resp: 255231

Ion	Ratio	Lower	Upper
228	100		
226	37.2	24.4	36.6#
229	21.4	15.8	23.8

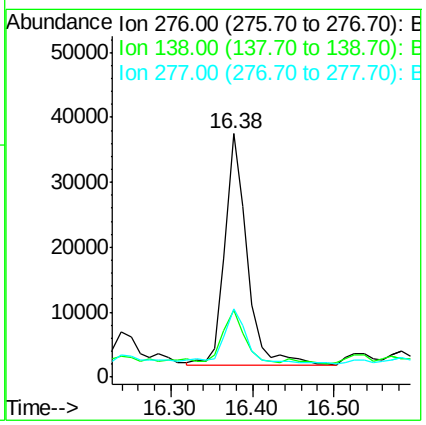


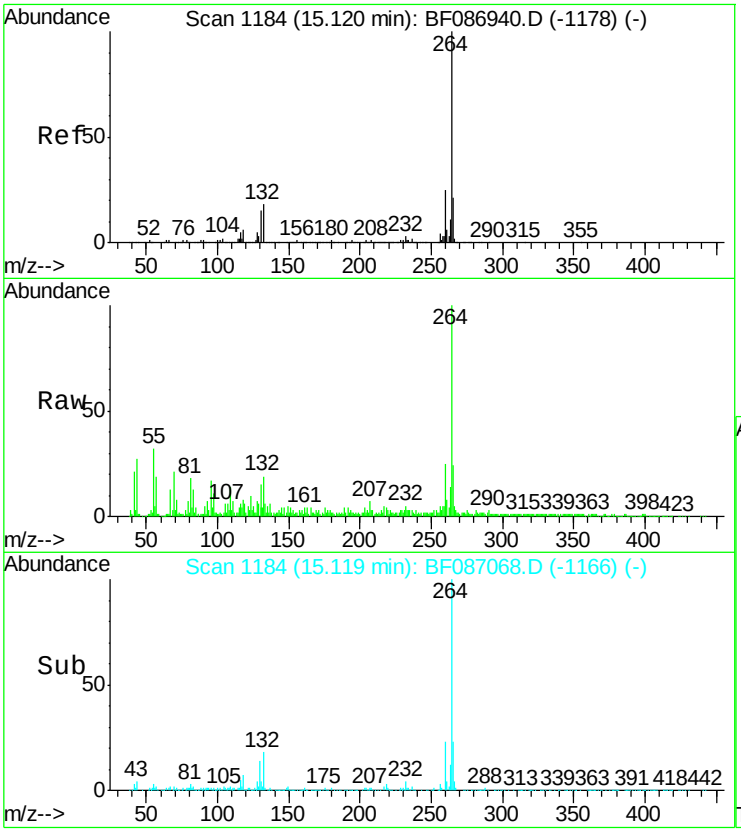


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.99 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.12 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:276 Resp: 66970

Ion	Ratio	Lower	Upper
276	100		
138	22.8	25.6	38.4#
277	23.9	20.5	30.7



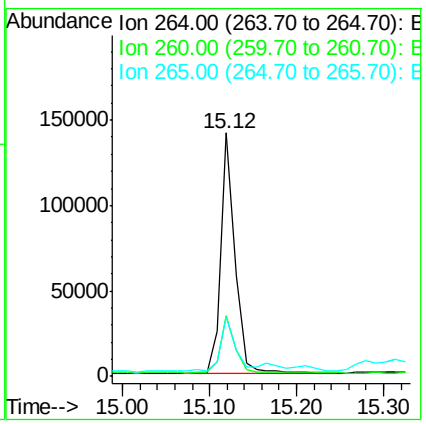


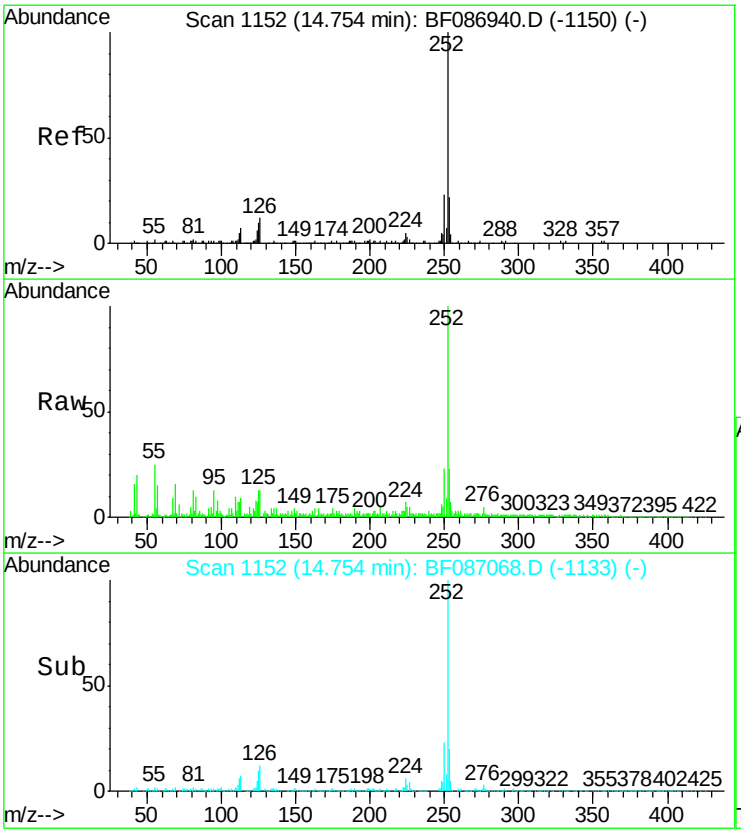
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:264 Resp: 164877

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	24.4	17.3	25.9

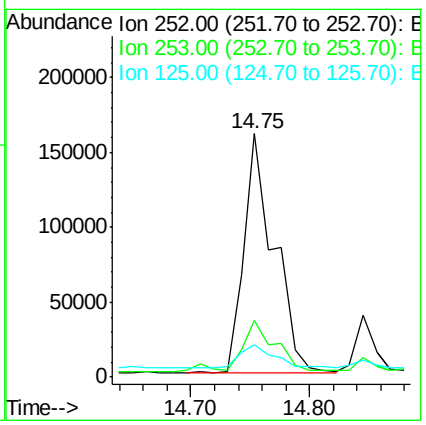


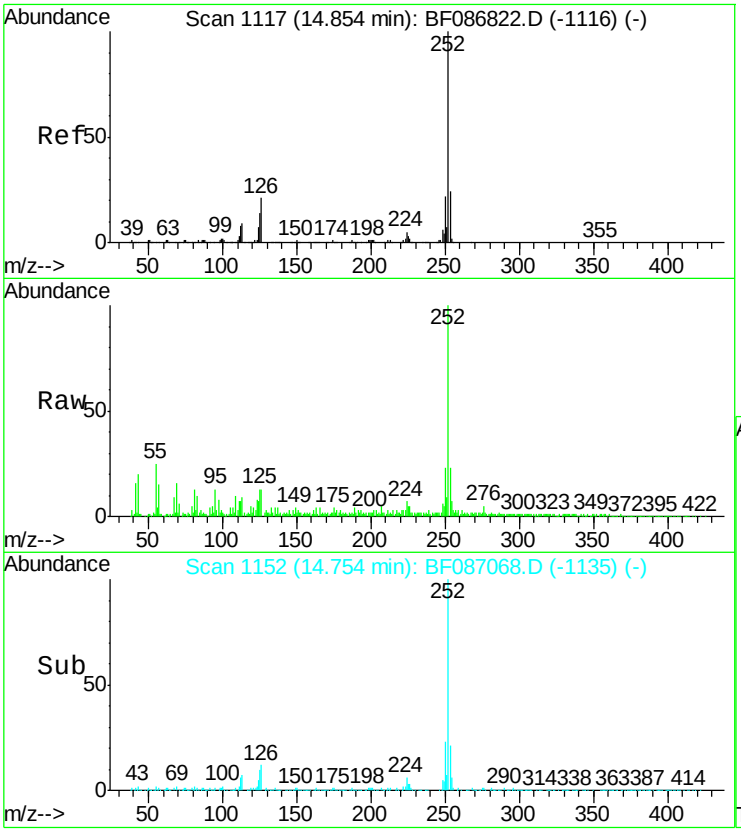


#87
Benzo(b)fluoranthene
Concen: 26.64 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:252 Resp: 285479

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.4	11.4	17.0



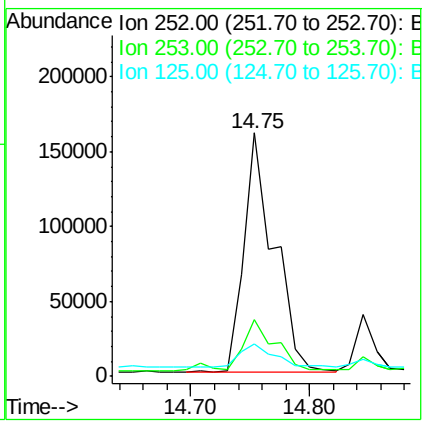


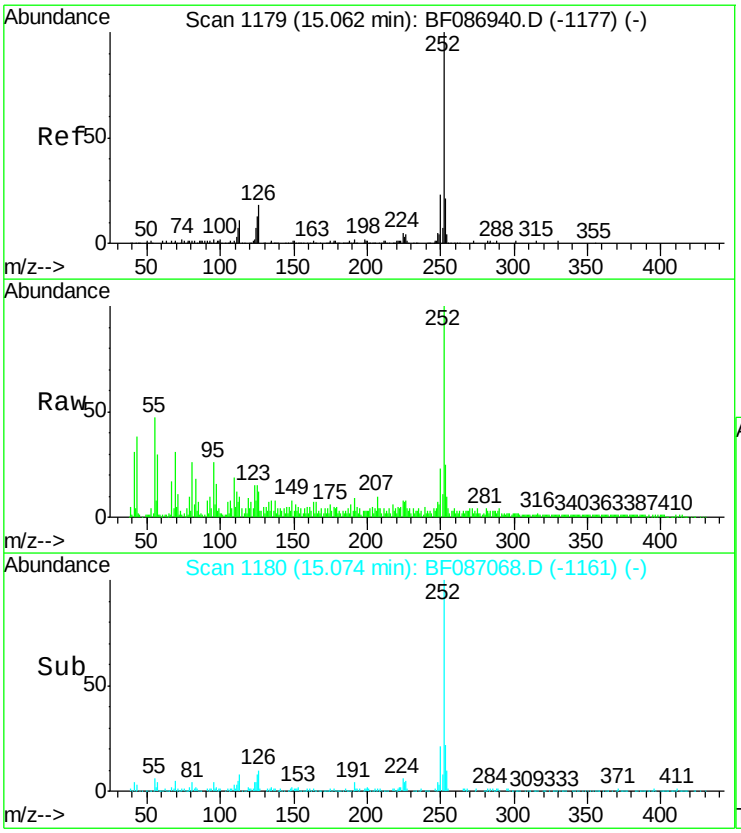
#88
Benzo(k)fluoranthene
Concen: 32.54 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.10 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:252 Resp: 285479

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.4	9.1	13.7

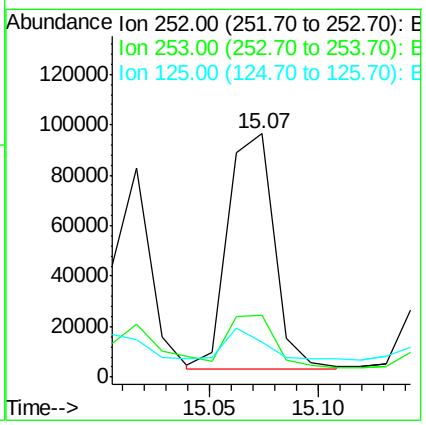


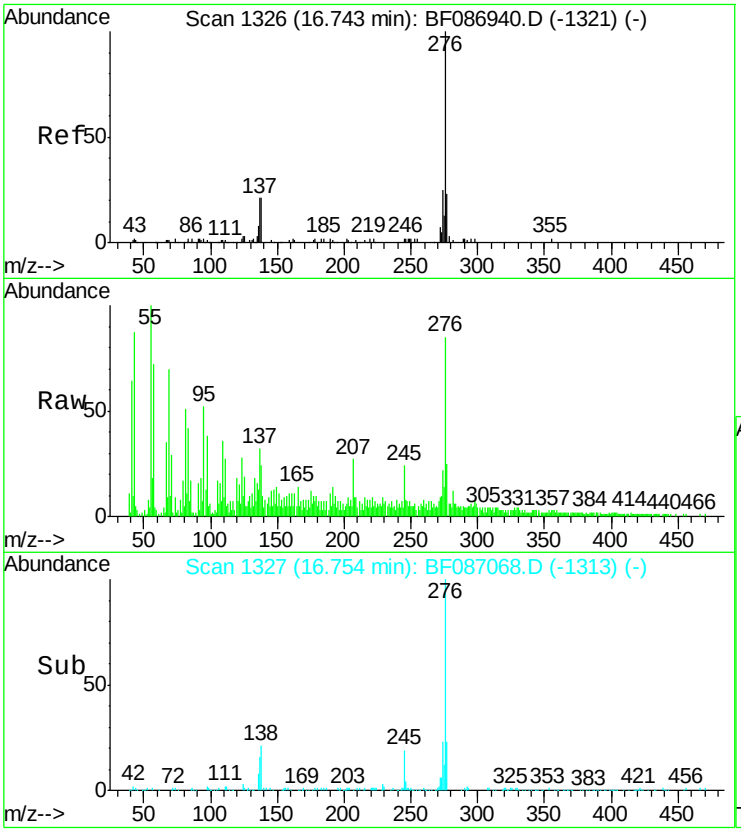


#89
Benzo(a)pyrene
Concen: 14.95 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Tgt Ion:252 Resp: 138138

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.2	25.8
125	14.6	9.0	13.6#





#91
Benzo(g,h,i)perylene
Concen: 6.93 ng
RT: 16.75 min Scan# 1327
Delta R.T. -0.13 min
Lab File: BF087068.D
Acq: 15 May 2016 14:30

Instrument :
BNA_F
ClientSampleId :
DUPB

Tgt Ion:276 Resp: 54859

Ion	Ratio	Lower	Upper
276	100		
277	29.4	19.6	29.4#
138	28.0	23.6	35.4