Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
Data File : BF090069.D
Acq On : 12 Sep 2016 17:56
Operator : UM/SJ
Sample : H4744-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2

Quant Time: Sep 13 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 08 16:07:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	191198	20.00	ng		-0.03
21) Naphthalene-d8	7.86	136	742511	20.00	ng		-0.03
38) Acenaphthene-d10	9.61	164	321388	20.00	ng		-0.02
63) Phenanthrene-d10	11.07	188	540444	20.00	ng		-0.03
75) Chrysene-d12	13.70	240	420823	20.00	ng		-0.02
86) Perylene-d12	15.04	264	308461	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.15	112	1332101	111.52	ng		-0.01
7) Phenol-d6	6.23	99	1433937	98.79	ng		-0.02
23) Nitrobenzene-d5	7.14	82	837419	65.41	ng		-0.03
41) 2,4,6-Tribromophenol	10.39	330	301857	95.20	ng		-0.03
44) 2-Fluorobiphenyl	8.95	172	1735668	88.65	ng		-0.02
78) Terphenyl-d14	12.66	244	1235876	72.55	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	7.88	128	151291	4.09	ng		98
37) 2-Methylnaphthalene	8.57	142	50196	2.05	ng		97
48) Acenaphthylene	9.46	152	145378	4.80	ng		98
49) Dimethylphthalate	9.34	163	582571	25.08	ng		100
51) Acenaphthene	9.63	154	77453	4.04	ng		99
54) Dibenzofuran	9.80	168	154089	6.00	ng		98
57) Fluorene	10.15	166	76906	4.10	ng	#	97
70) Phenanthrene	11.11	178	1863632	69.25	ng		100
71) Anthracene	11.15	178	525681	19.26	ng		99
72) Carbazole	11.31	167	172488	6.74	ng		98
74) Fluoranthene	12.29	202	2025572	71.82	ng		97
77) Pyrene	12.51	202	2123303	71.56	ng		99
79) Butylbenzylphthalate	13.14	149	52569	4.39	ng		99
80) Benzo(a)anthracene	13.69	228	1015625m	39.40	ng		
82) Chrysene	13.73	228	999883m	41.53	ng		
85) Indeno(1,2,3-cd)pyrene	16.24	276	360537	20.26	ng		95
87) Benzo(b)fluoranthene	14.69	252	789391m	40.85	ng		
88) Benzo(k)fluoranthene	14.70	252	341213m	20.81	ng		
89) Benzo(a)pyrene	14.99	252	606003	36.60	ng	#	96
90) Dibenzo(a,h)anthracene	16.25	278	87323m	7.20	ng		
91) Benzo(g,h,i)perylene	16.61	276	330999	27.11	ng		98

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

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ALS Vial : 15 Sample Multiplier: 1

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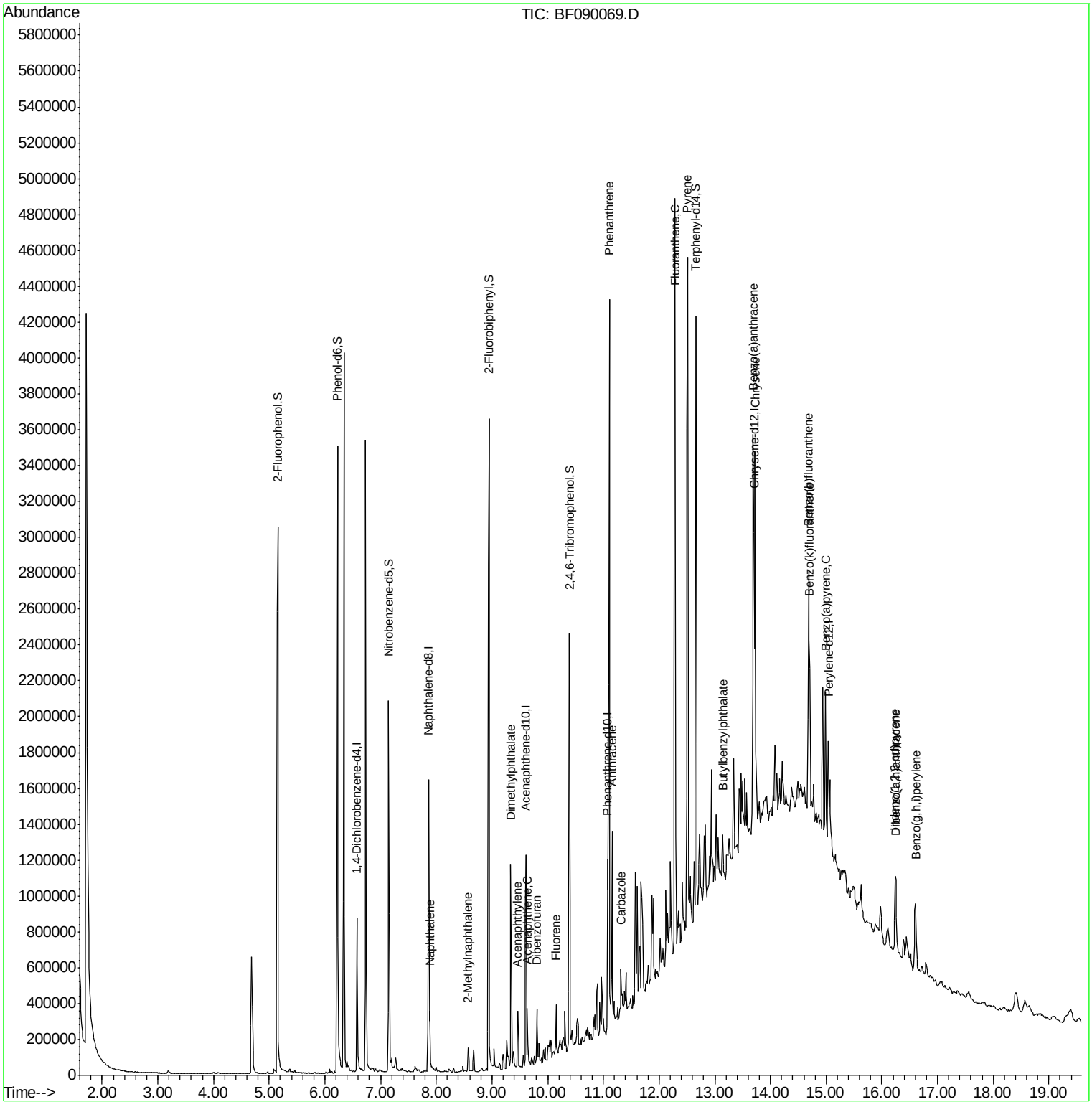
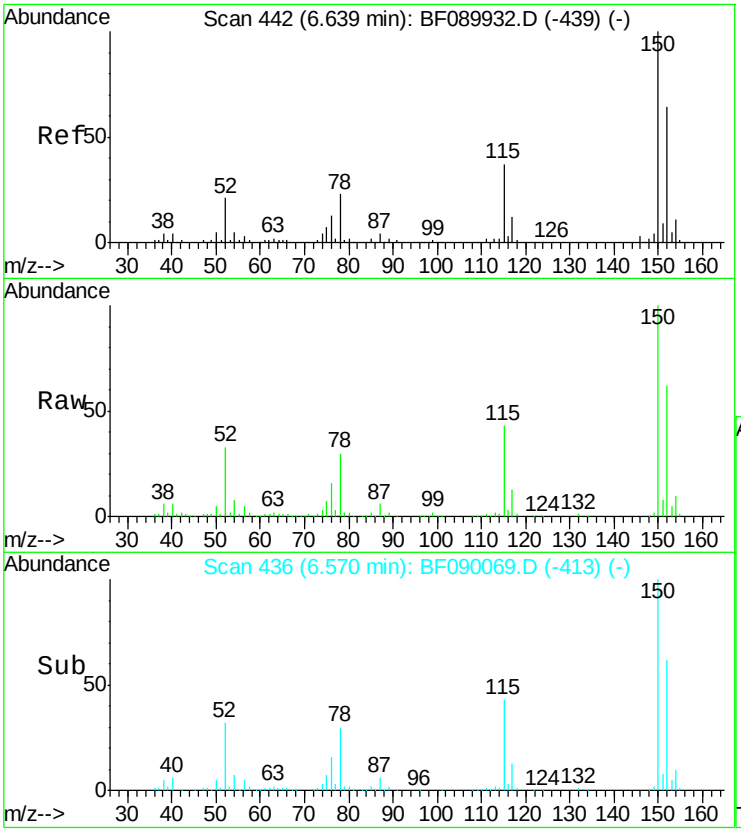


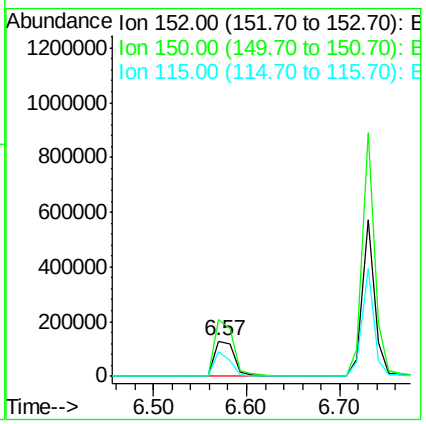


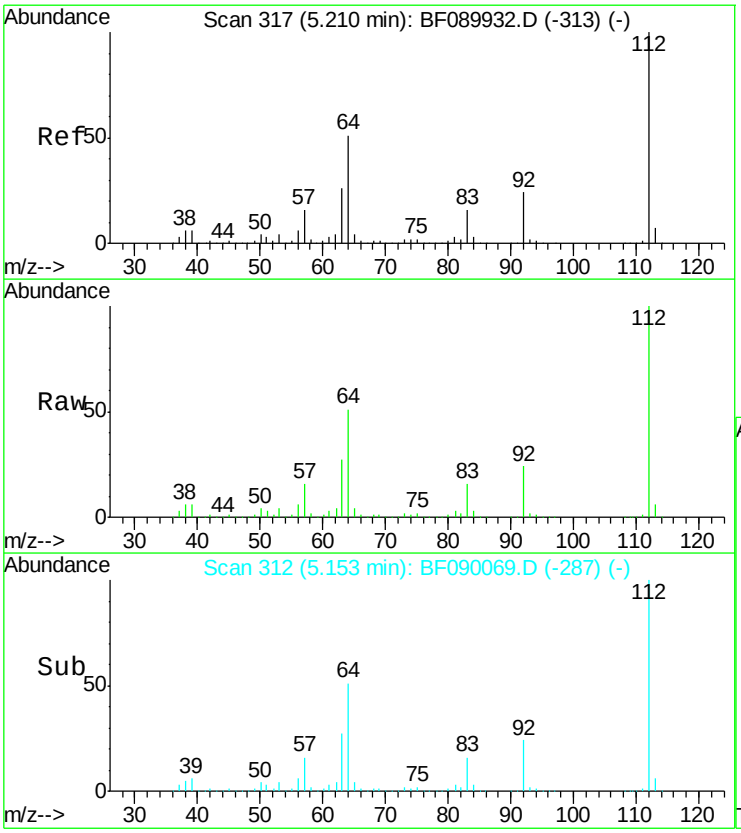
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:152 Resp: 191198

Ion	Ratio	Lower	Upper
152	100		
150	160.8	127.4	191.2
115	69.3	46.3	69.5

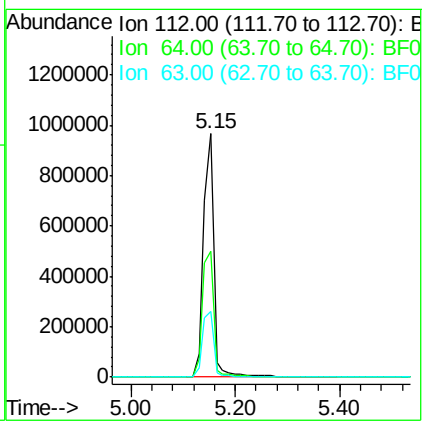


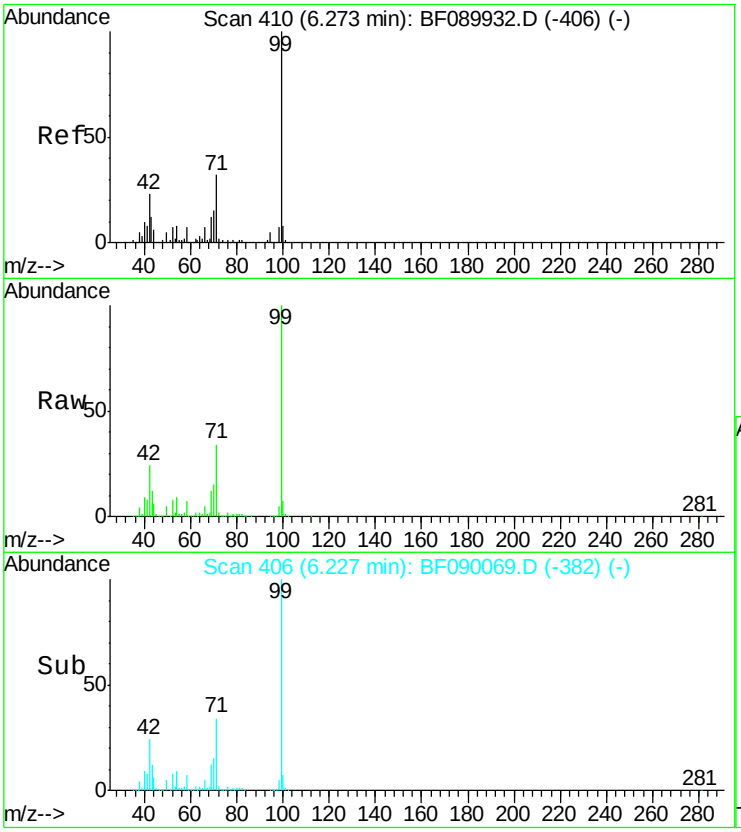


#5
2-Fluorophenol
Concen: 111.52 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.01 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:112 Resp: 1332101

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	26.8	21.2	31.8



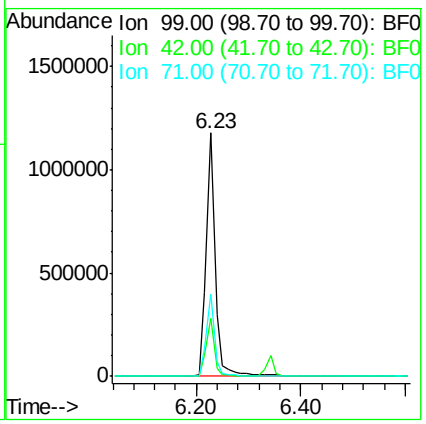


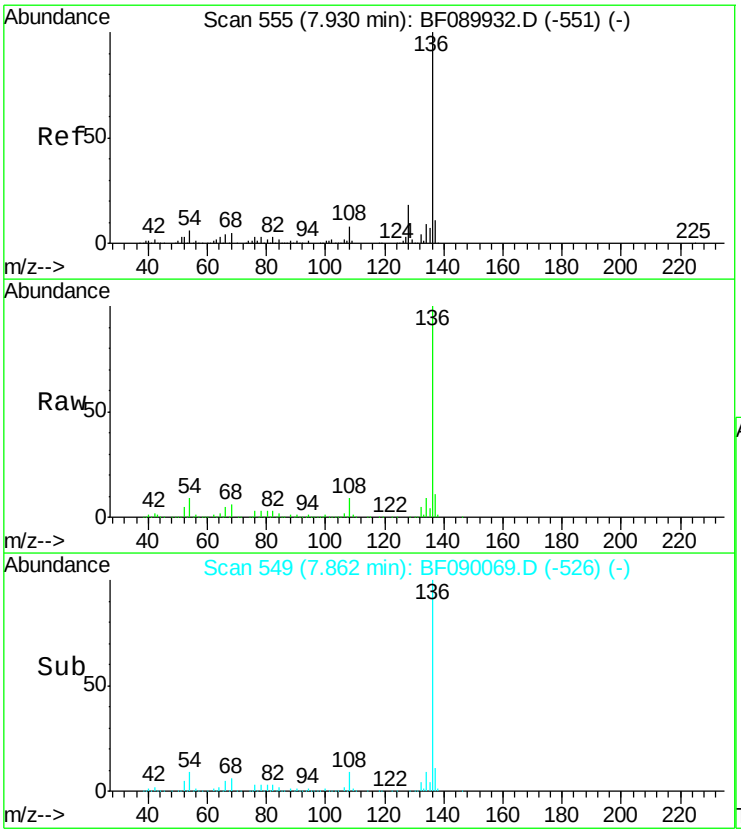
#7
Phenol-d6
Concen: 98.79 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion: 99 Resp: 1433937

Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.6	27.8
71	33.7	25.8	38.6

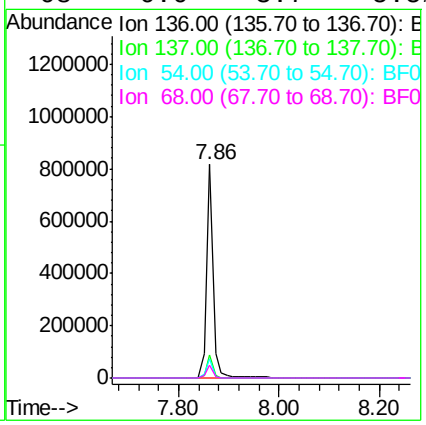


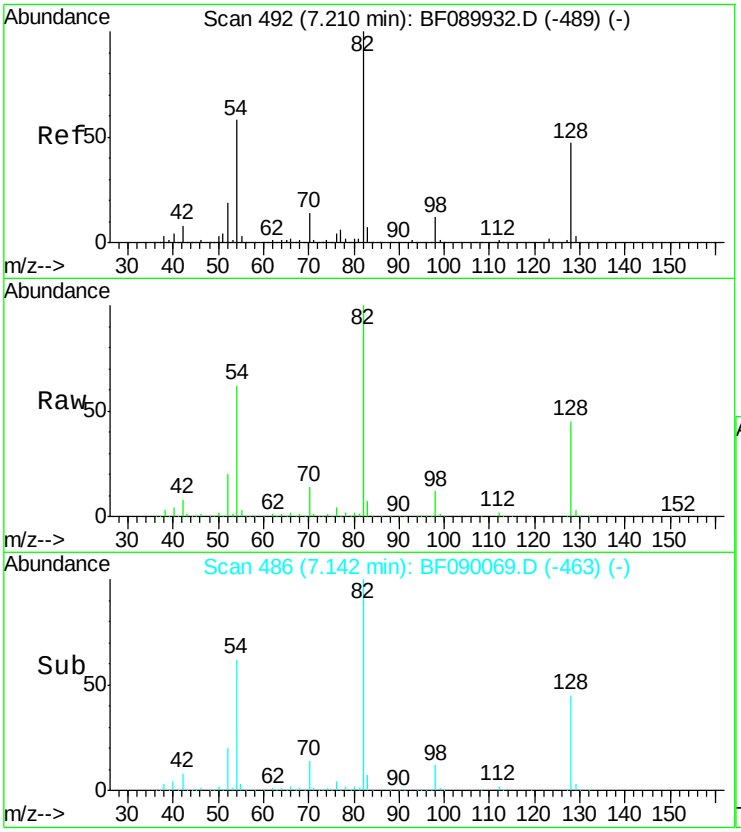


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:136 Resp: 742511

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	8.8	4.8	7.2#
68	6.0	3.7	5.5#



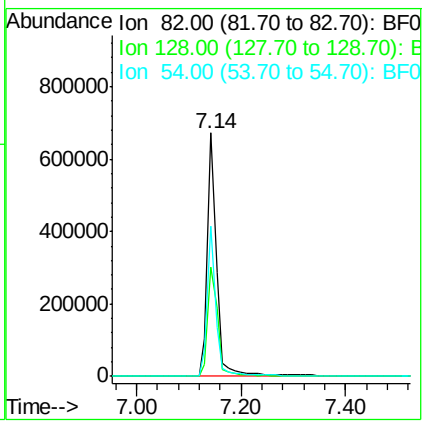


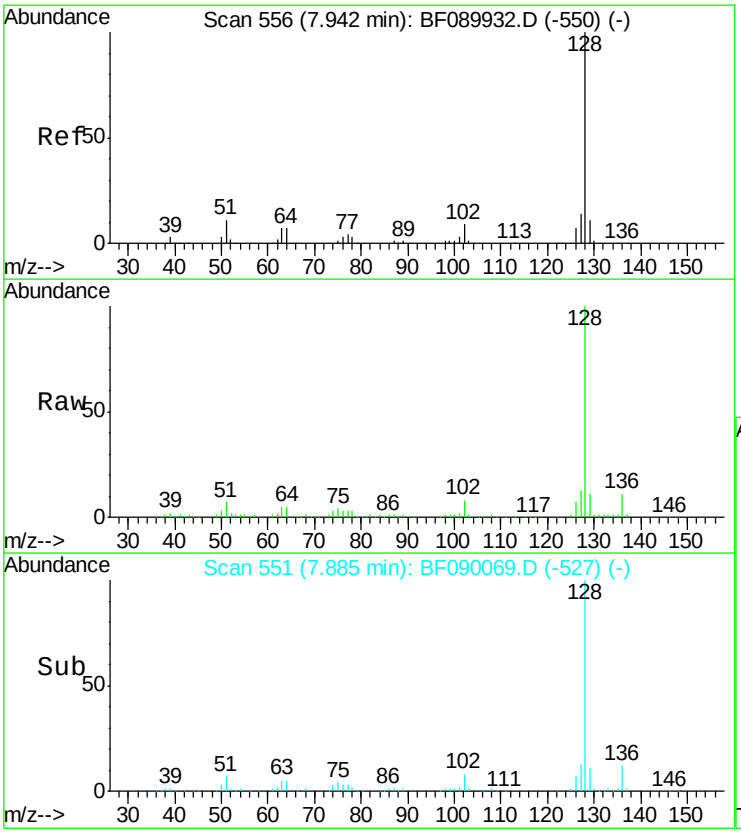
#23
Nitrobenzene-d5
Concen: 65.41 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion: 82 Resp: 837419

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.8	56.8
54	61.6	46.9	70.3

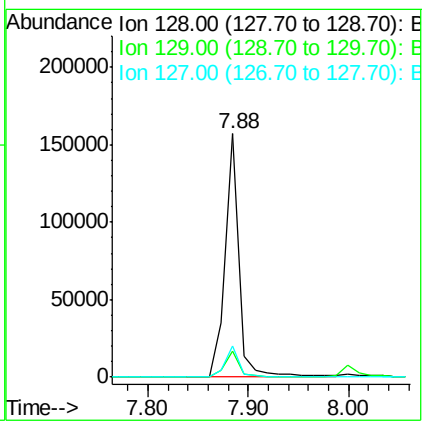


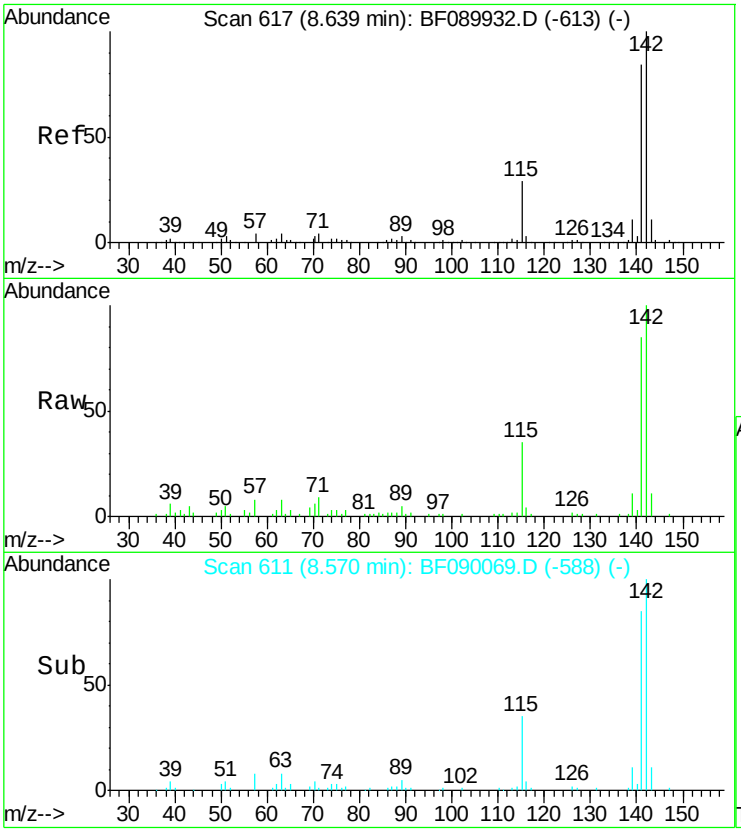


#31
Naphthalene
Concen: 4.09 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:128 Resp: 151291

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.0
127	13.0	10.7	16.1



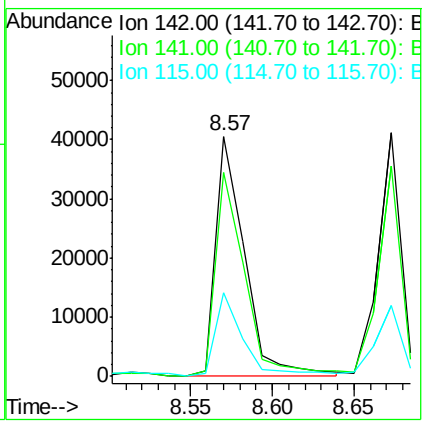


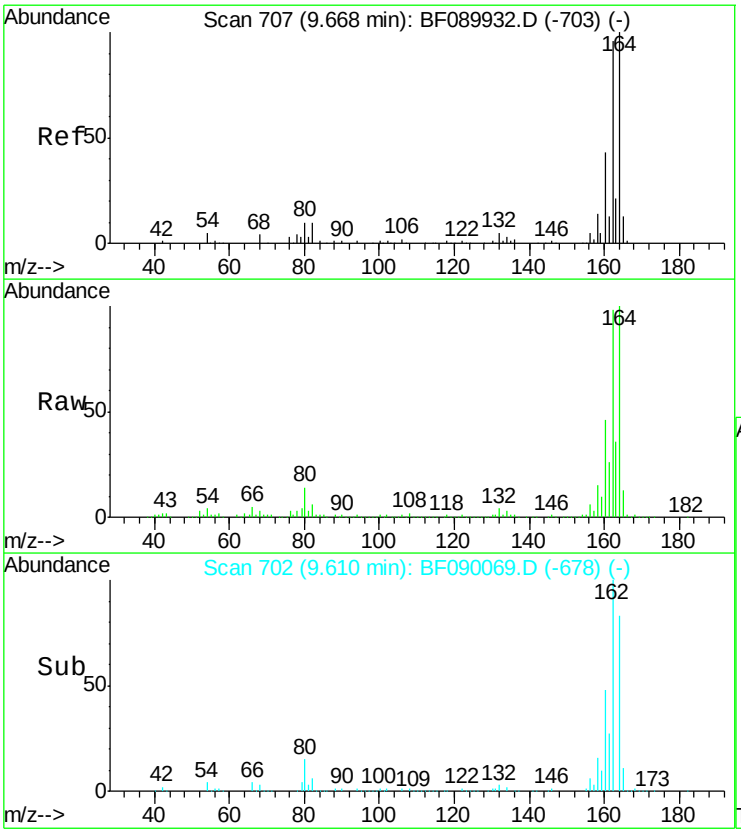
#37
2-Methylnaphthalene
Concen: 2.05 ng
RT: 8.57 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:142 Resp: 50196

Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.3	102.5
115	34.6	23.8	35.8

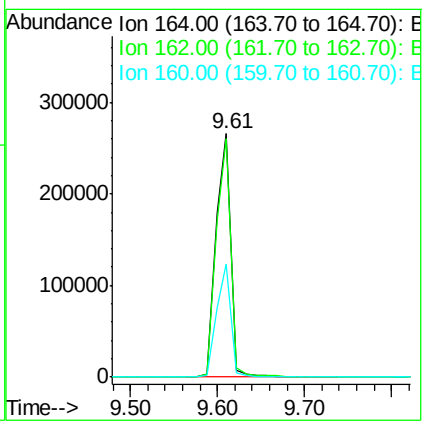


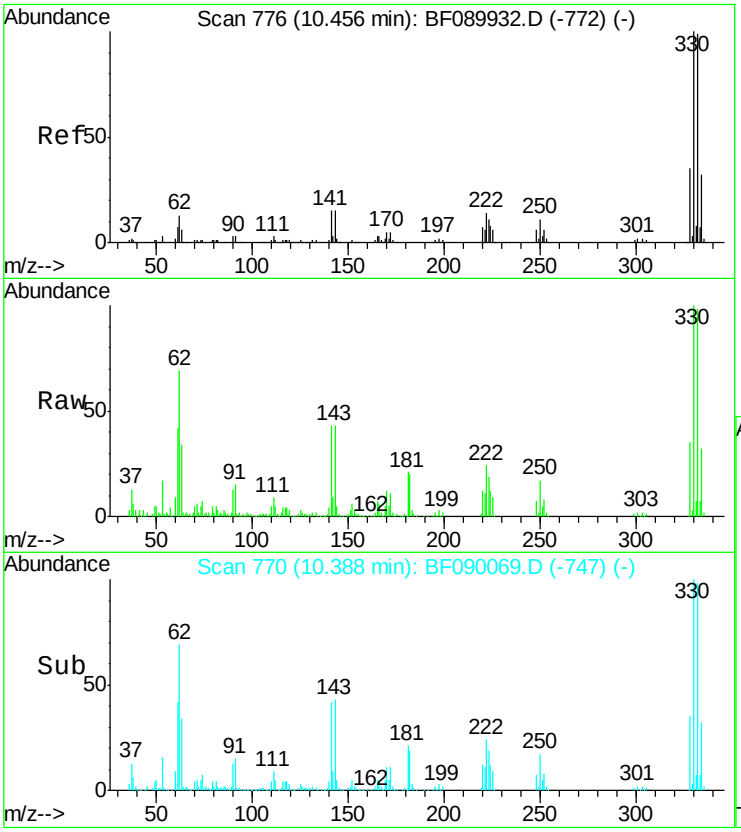


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:164 Resp: 321388

Ion	Ratio	Lower	Upper
164	100		
162	98.1	77.1	115.7
160	46.2	35.3	52.9



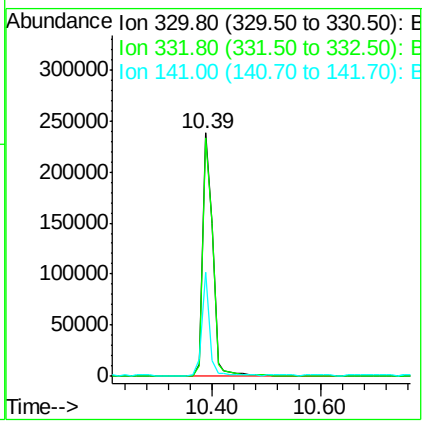


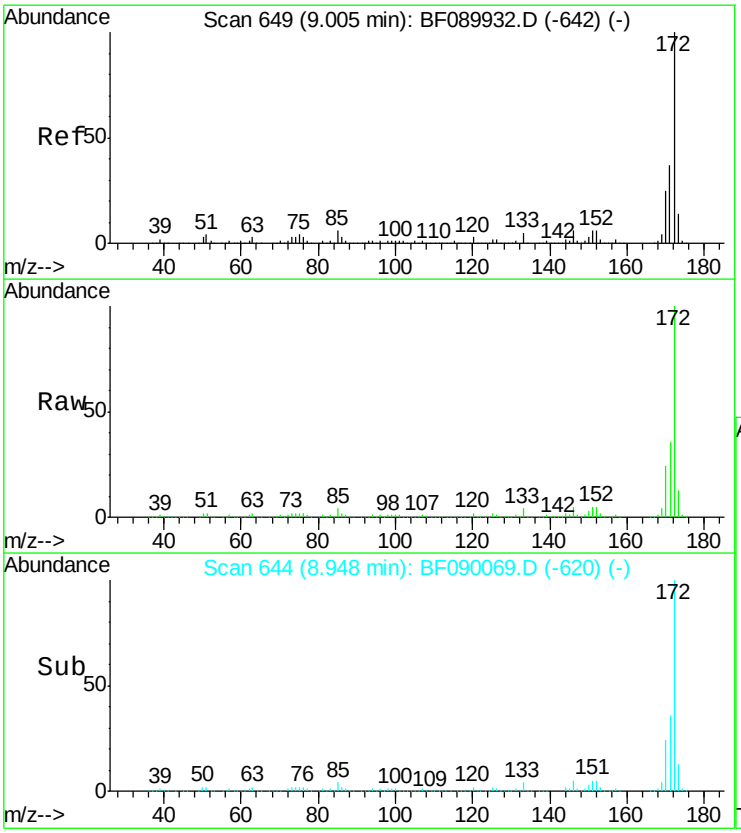
#41
2,4,6-Tribromophenol
Concen: 95.20 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:330 Resp: 301857

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.6	117.8
141	32.0	23.3	34.9

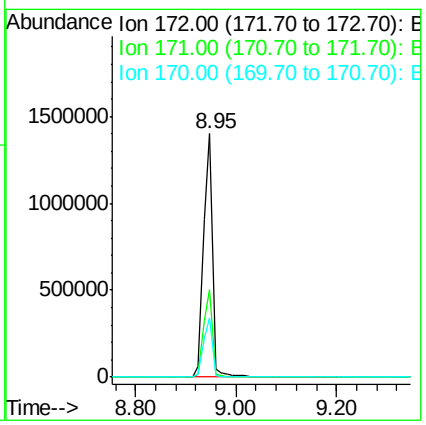


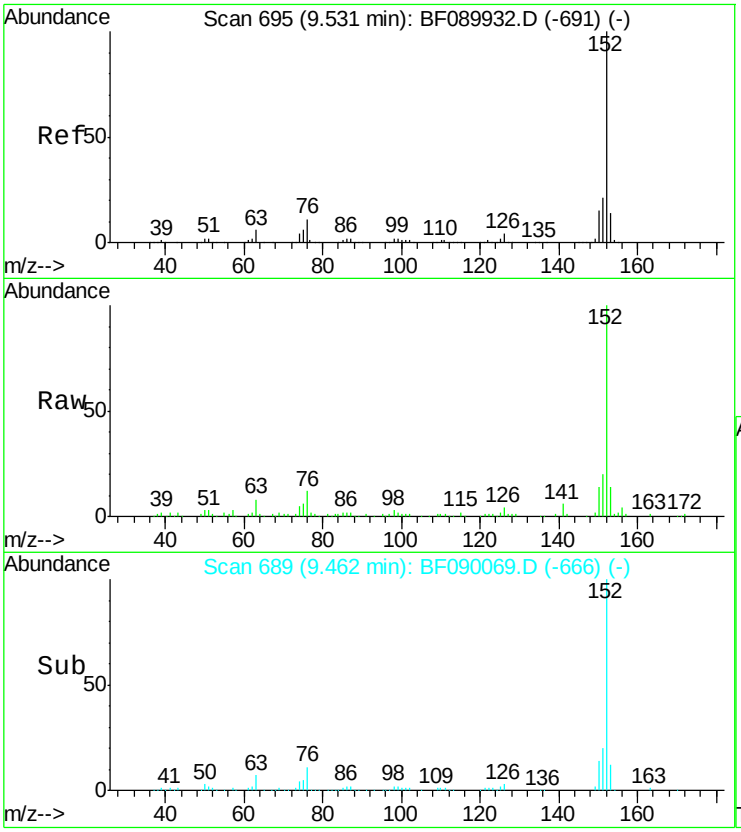


#44
2-Fluorobiphenyl
Concen: 88.65 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:172 Resp: 1735668

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.2	20.1	30.1



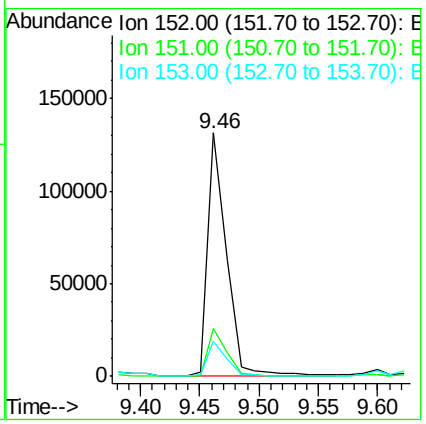


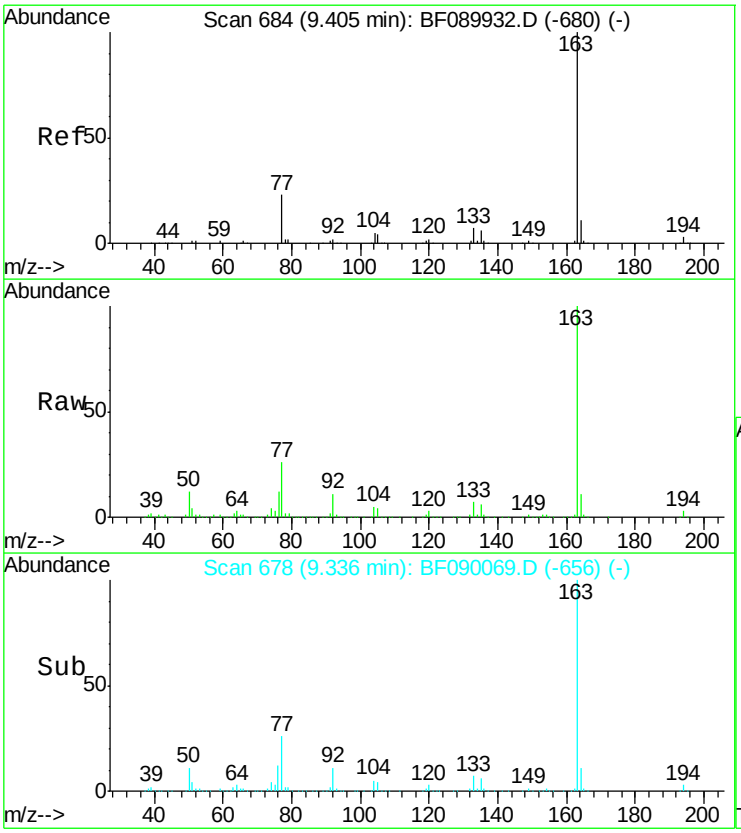
#48
Acenaphthylene
Concen: 4.80 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:152 Resp: 145378

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.7	25.1
153	14.3	11.6	17.4

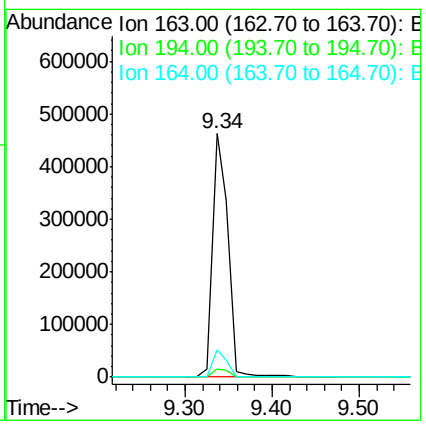


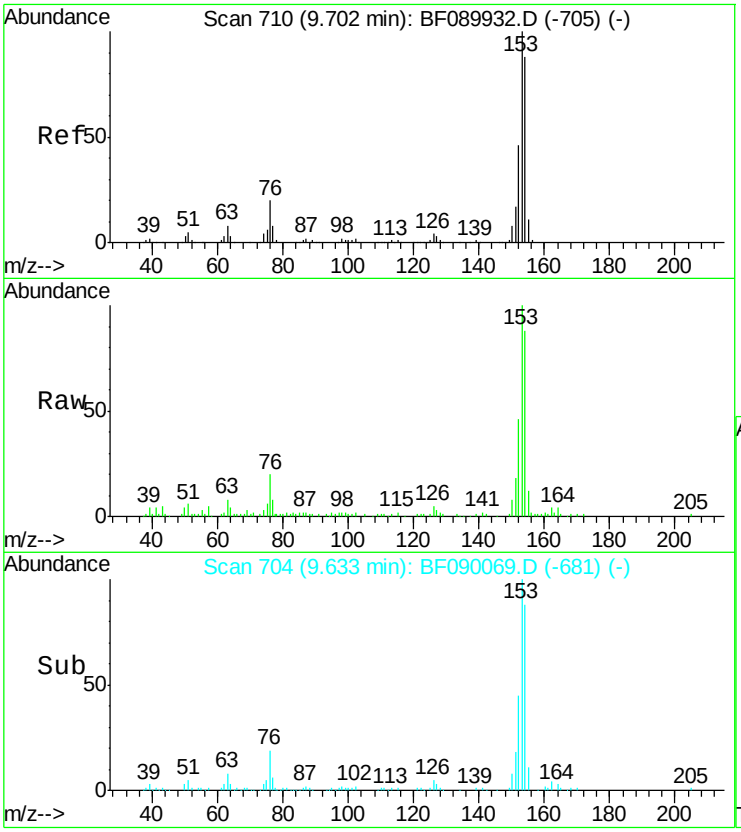


#49
Dimethylphthalate
Concen: 25.08 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:163 Resp: 582571

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	11.2	9.0	13.4



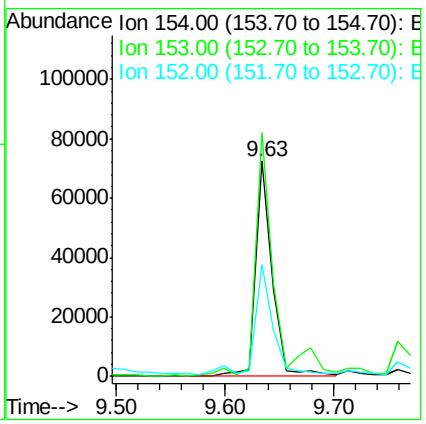


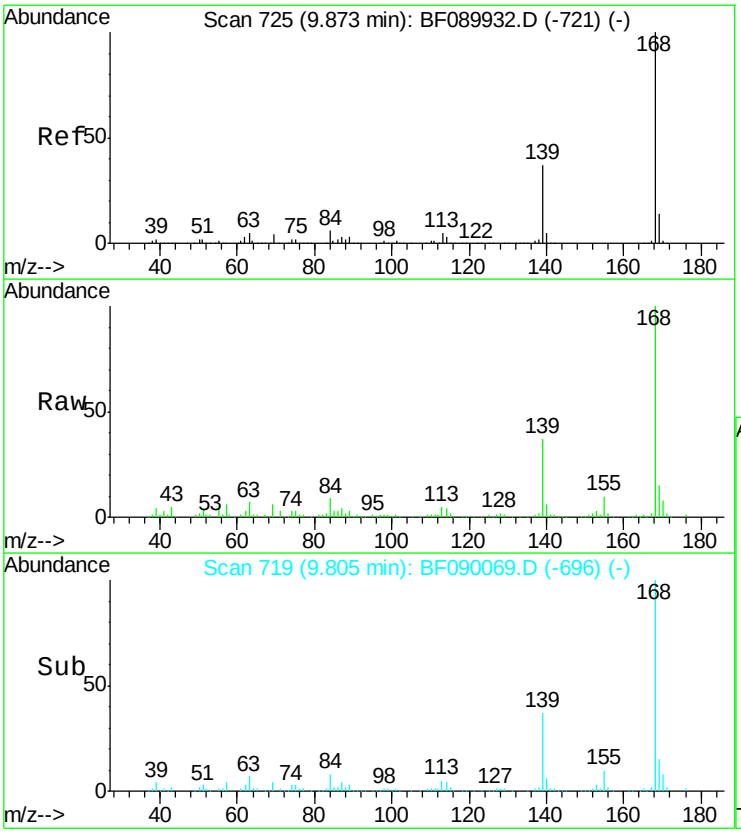
#51
Acenaphthene
Concen: 4.04 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:154 Resp: 77453

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.6	135.8
152	51.6	42.4	63.6

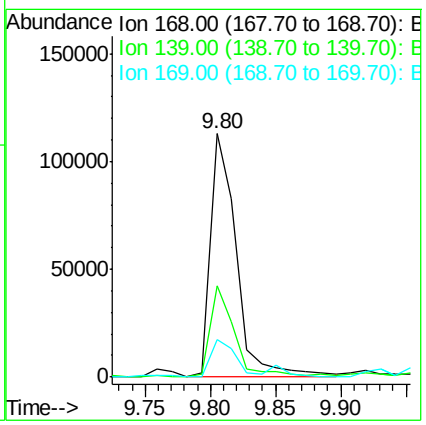


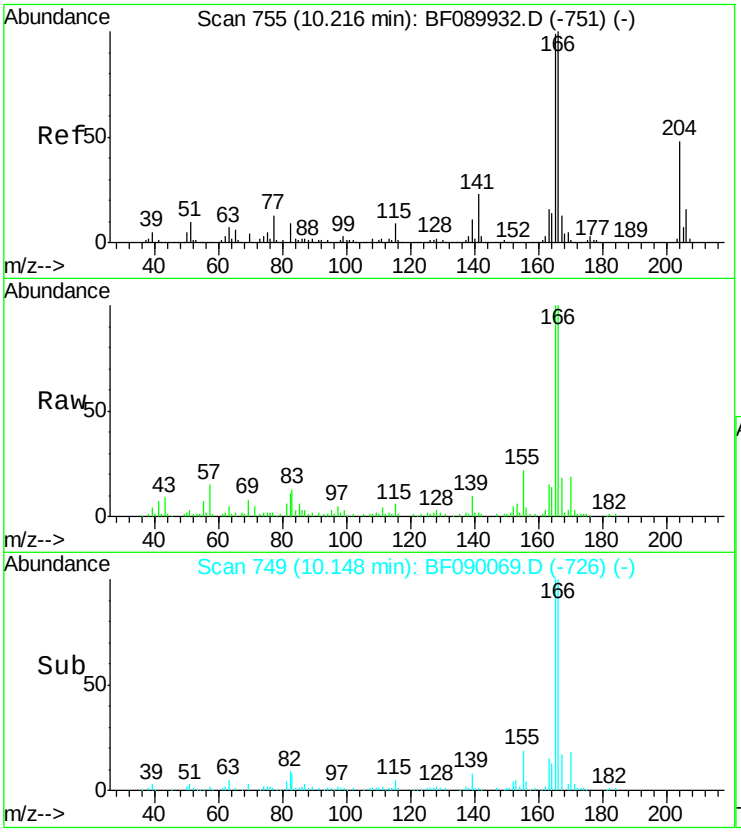


#54
Dibenzofuran
Concen: 6.00 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:168 Resp: 154089

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.5	44.3
169	15.3	10.8	16.2



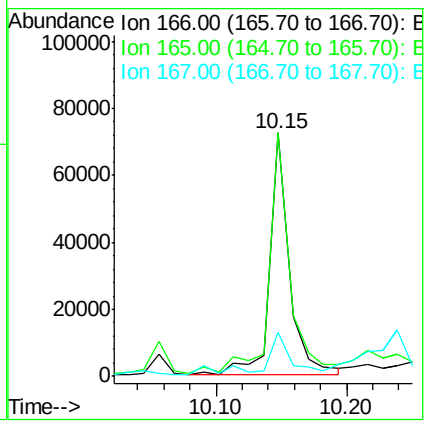


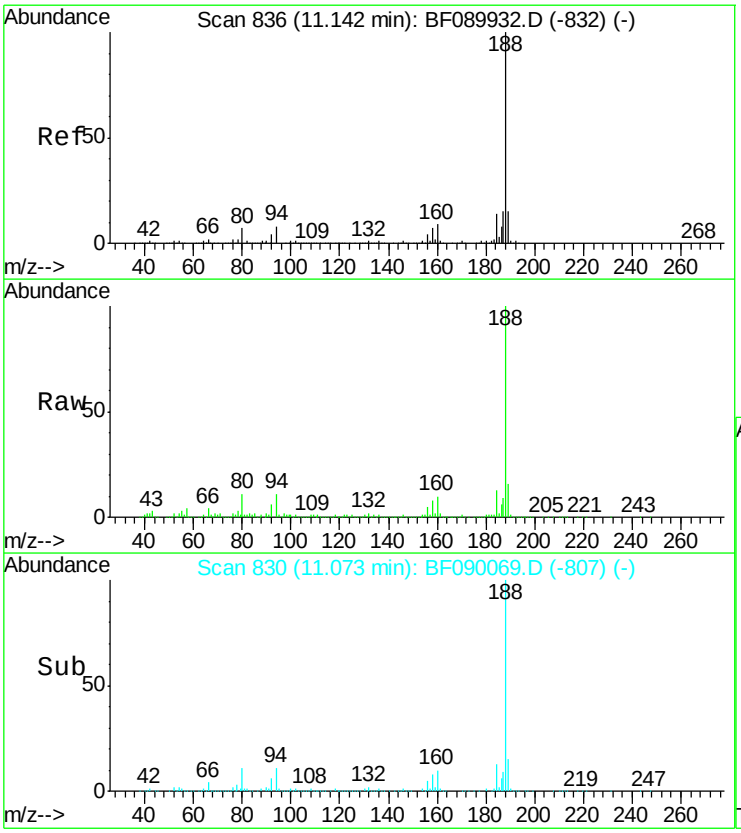
#57
Fluorene
Concen: 4.10 ng
RT: 10.15 min Scan# 749
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:166 Resp: 76906

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.6	118.0
167	17.8	10.6	15.8#

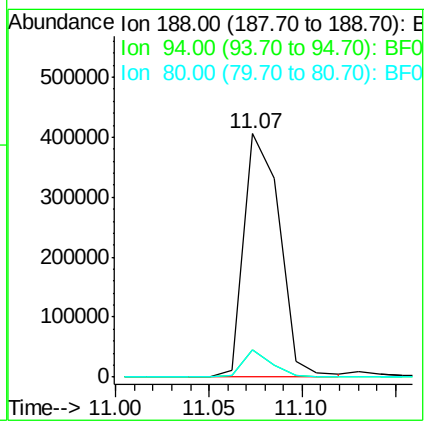


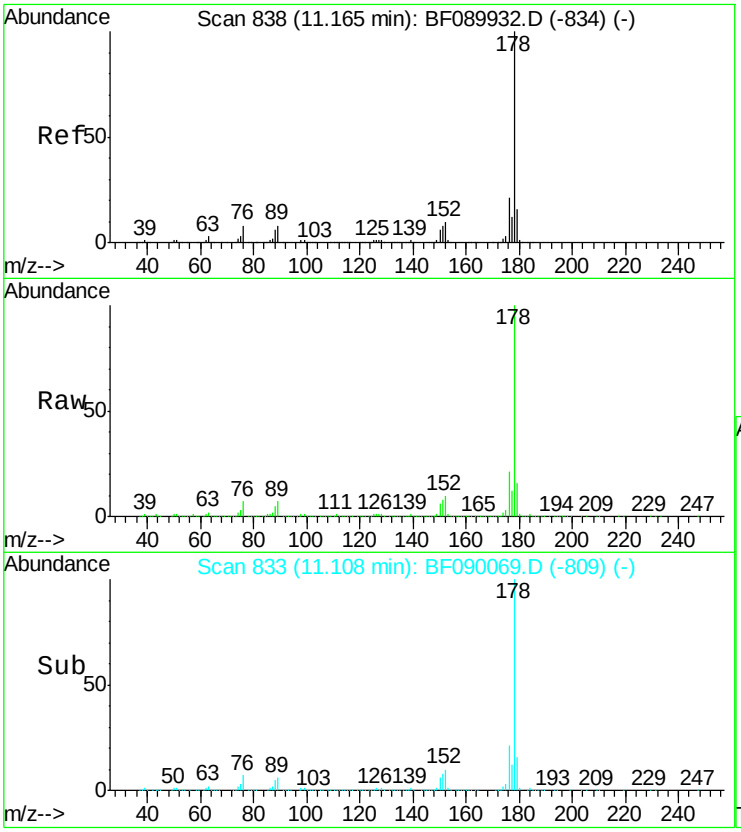


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:188 Resp: 540444

Ion	Ratio	Lower	Upper
188	100		
94	11.3	5.9	8.9#
80	11.4	5.8	8.8#



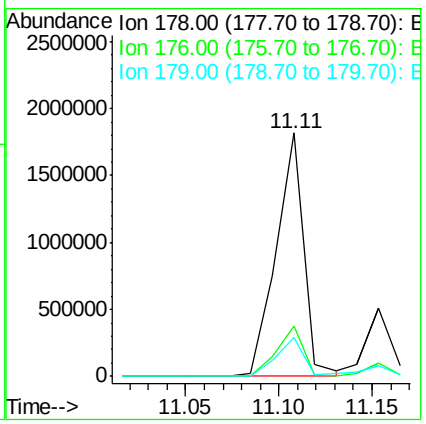


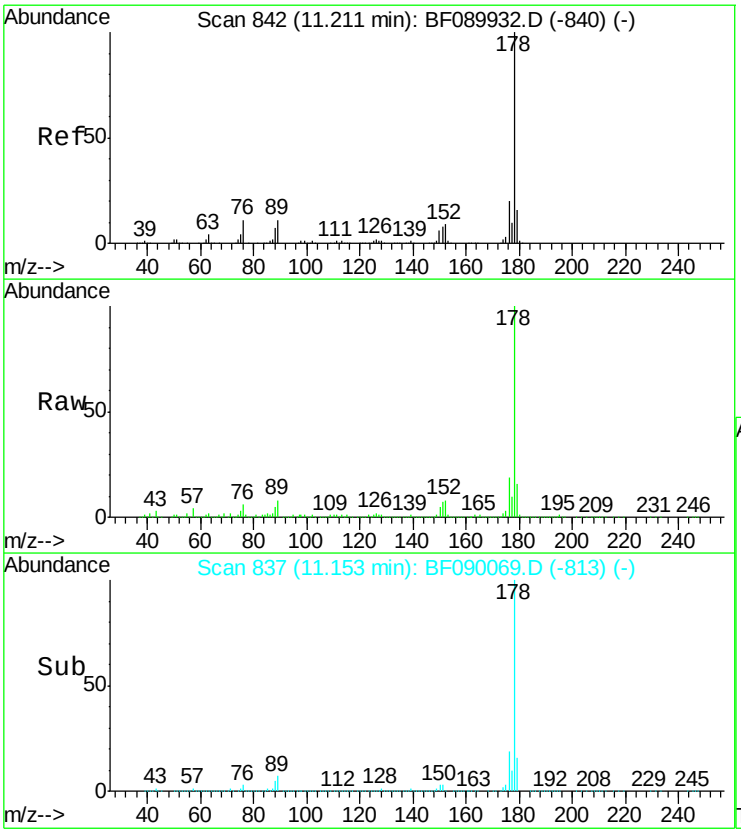
#70
Phenanthrene
Concen: 69.25 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:178 Resp: 1863632

Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.5	24.7
179	15.9	12.8	19.2

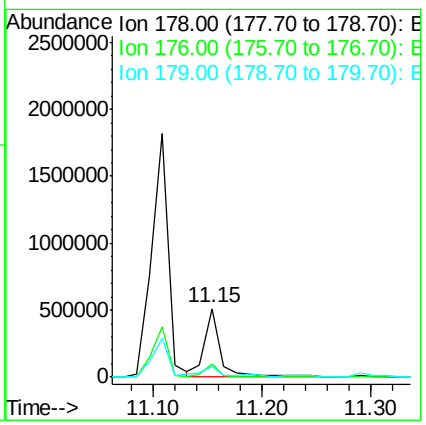


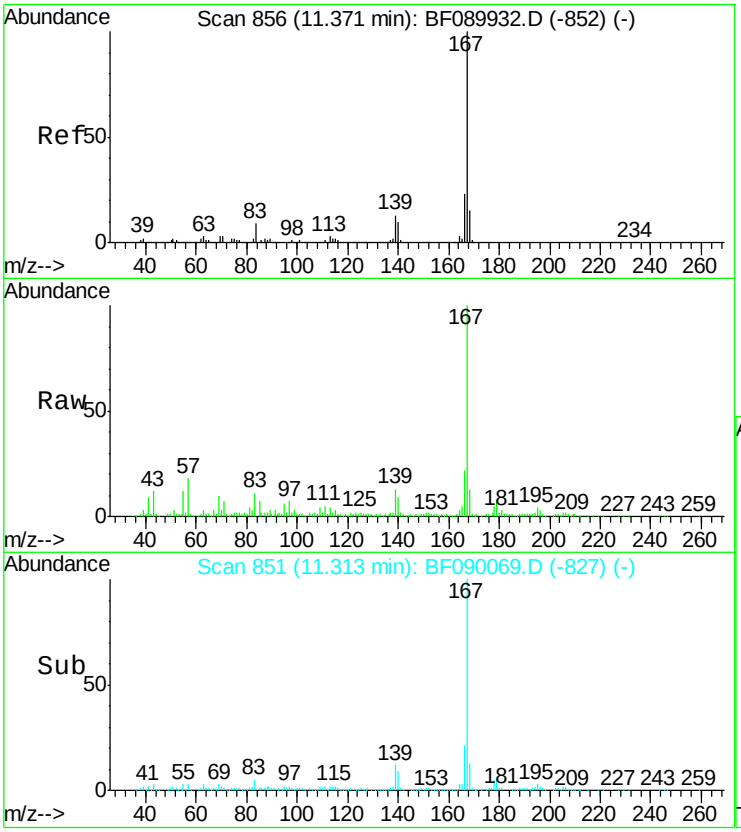


#71
Anthracene
Concen: 19.26 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:178 Resp: 525681

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.0	13.0	19.4



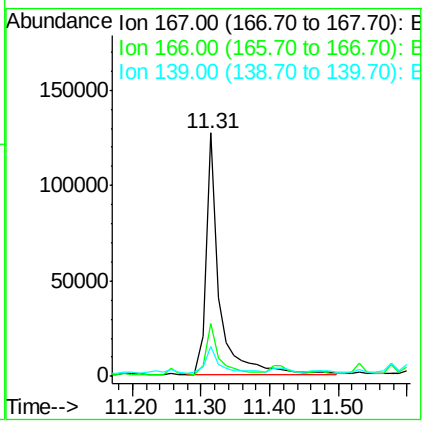


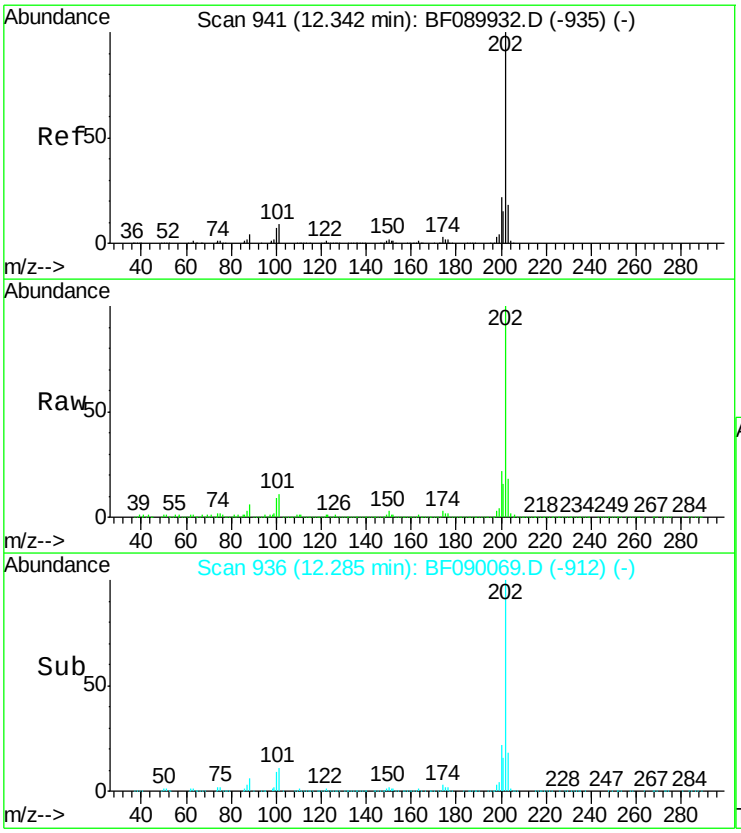
#72
Carbazole
Concen: 6.74 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:167 Resp: 172488

Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	12.5	10.4	15.6

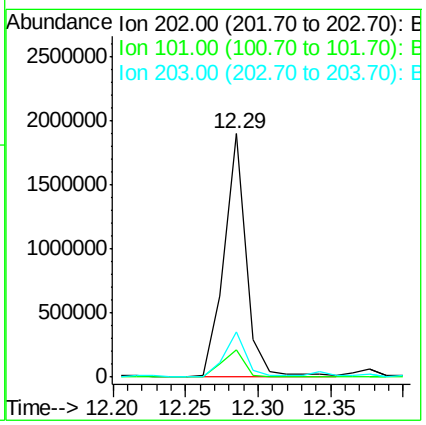


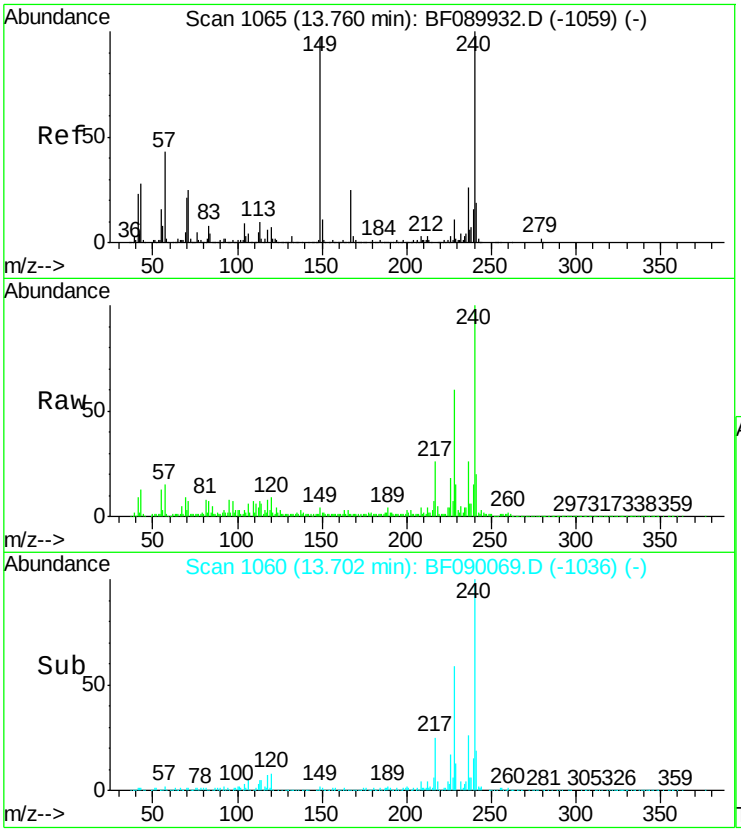


#74
Fluoranthene
Concen: 71.82 ng
RT: 12.29 min Scan# 936
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:202 Resp: 2025572

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	28.5
203	18.4	0.0	38.0



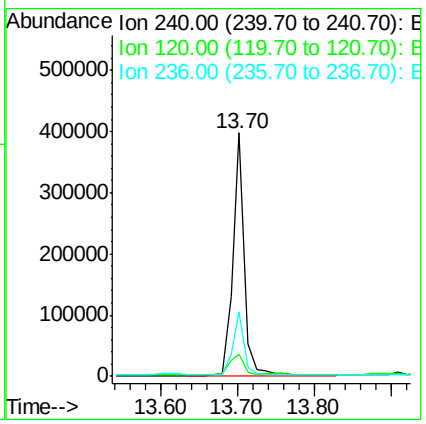


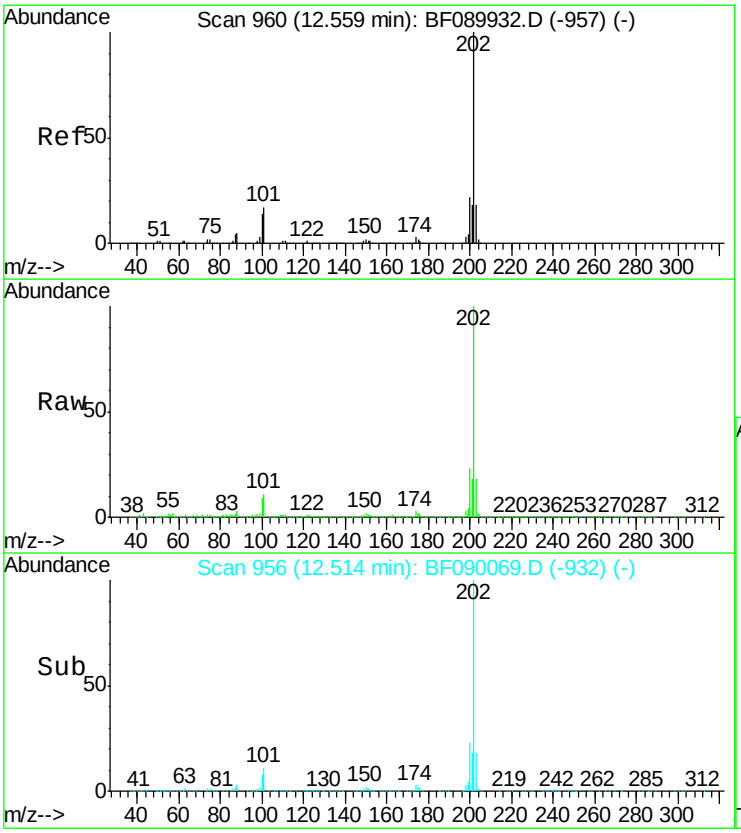
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:240 Resp: 420823

Ion	Ratio	Lower	Upper
240	100		
120	9.1	5.7	8.5#
236	26.4	21.3	31.9

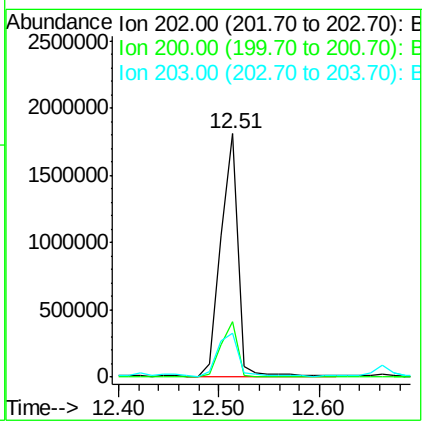


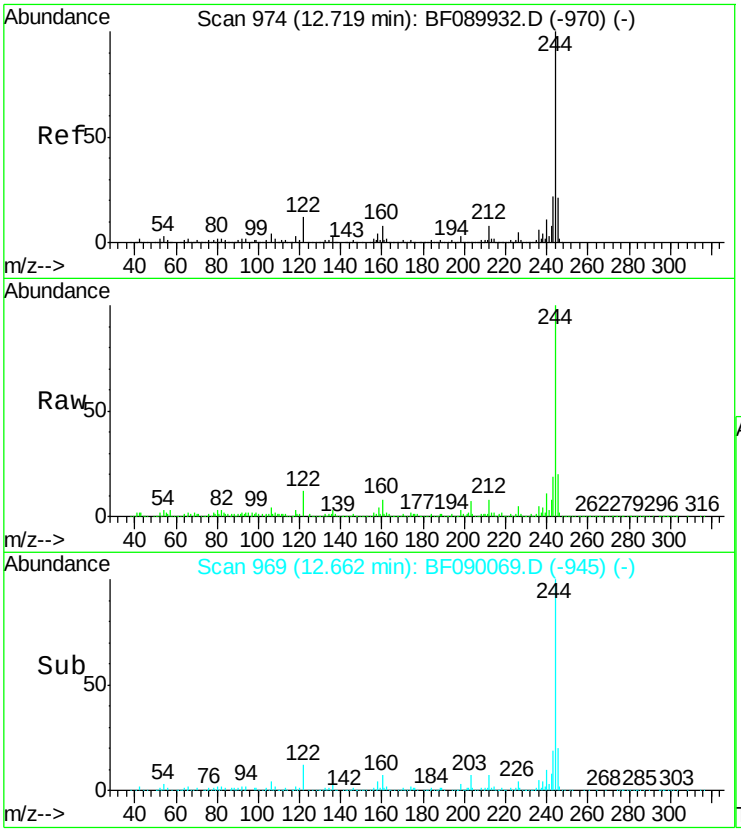


#77
Pyrene
Concen: 71.56 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:202 Resp: 2123303

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.6	26.4
203	18.2	14.6	21.8



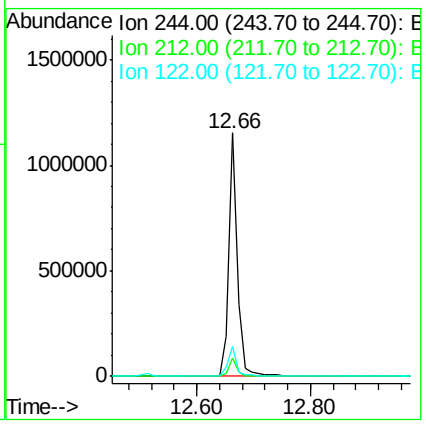


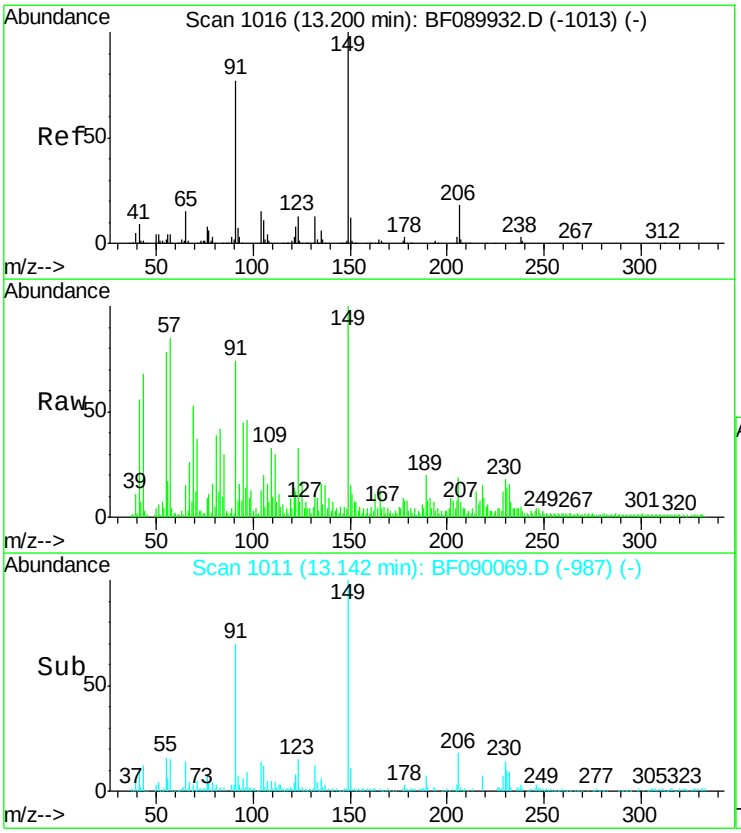
#78
Terphenyl-d14
Concen: 72.55 ng
RT: 12.66 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:244 Resp: 1235876

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	12.5	9.6	14.4

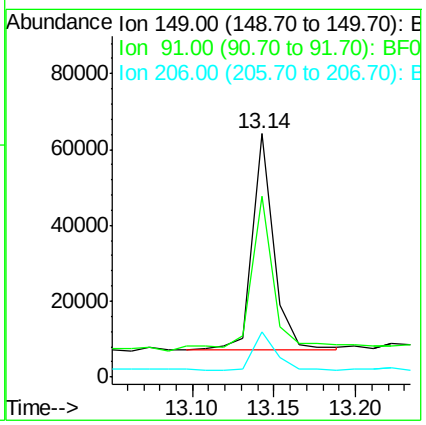


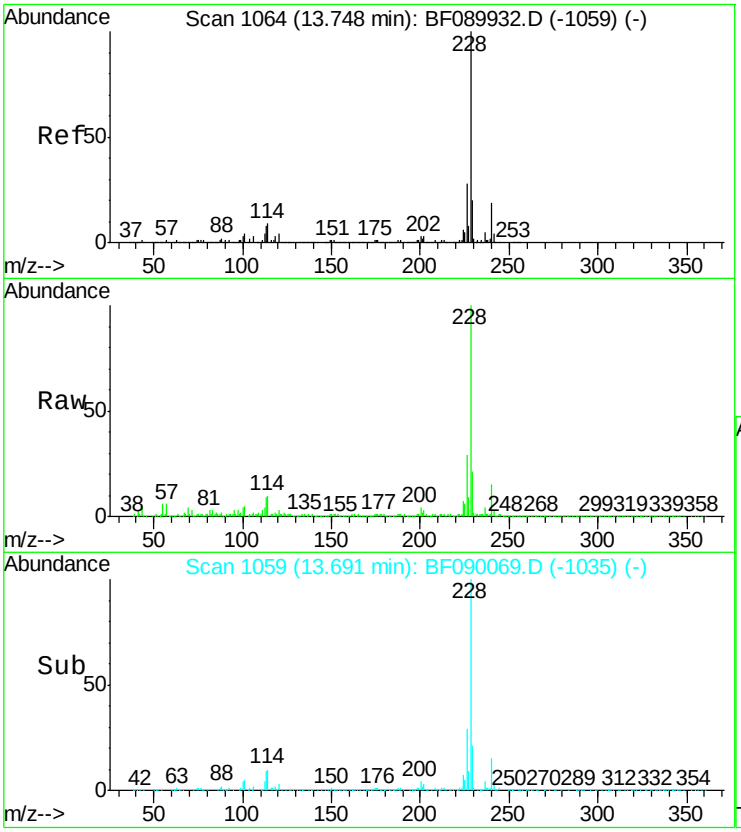


#79
Butylbenzylphthalate
Concen: 4.39 ng
RT: 13.14 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:149 Resp: 52569

Ion	Ratio	Lower	Upper
149	100		
91	74.3	60.0	90.0
206	18.6	15.1	22.7



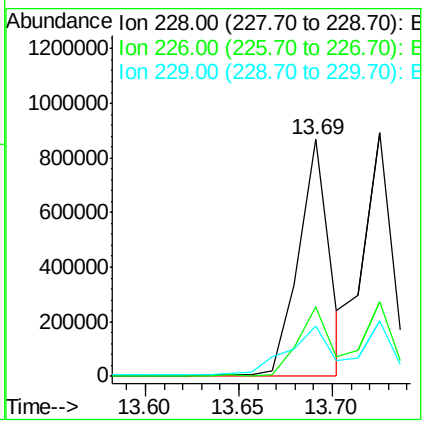


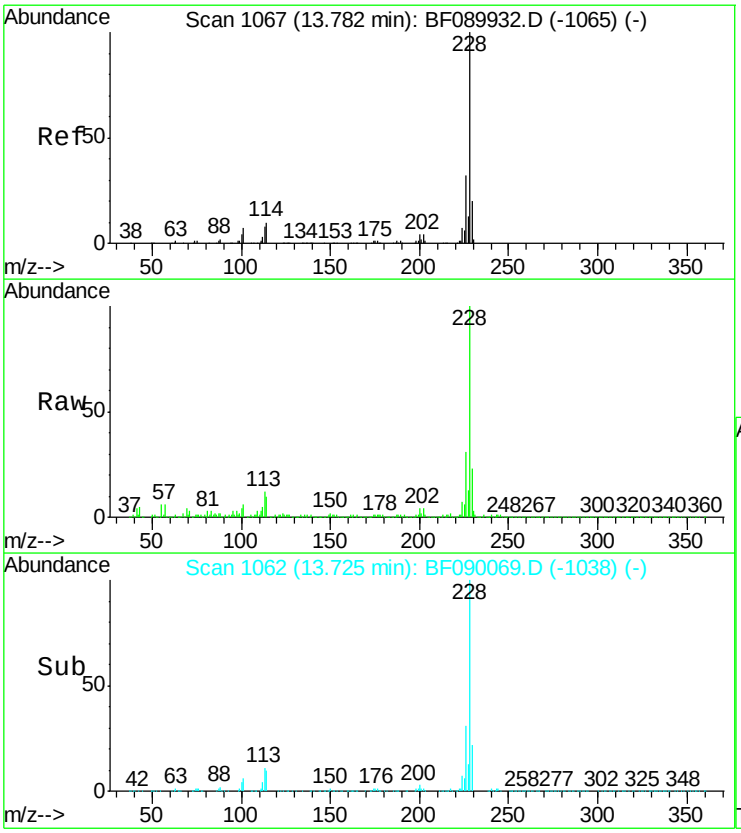
#80
Benzo(a)anthracene
Concen: 39.40 ng m
RT: 13.69 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:228 Resp: 1015625

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.2
229	21.1	15.8	23.6

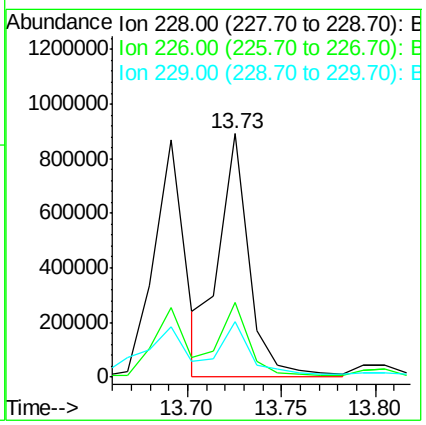


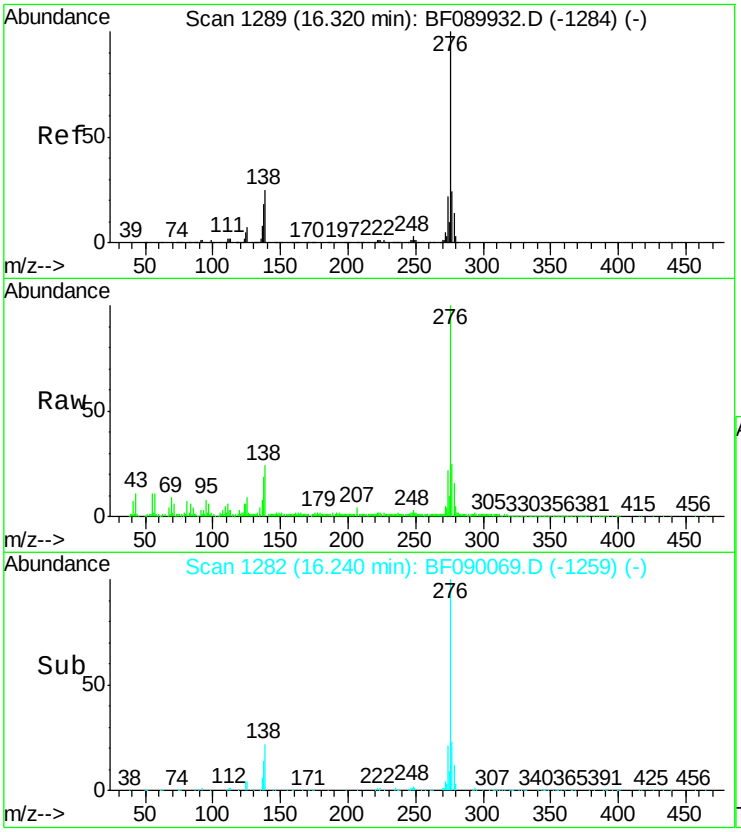


#82
Chrysene
Concen: 41.53 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:228 Resp: 999883

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.2	37.8
229	22.8	16.2	24.2



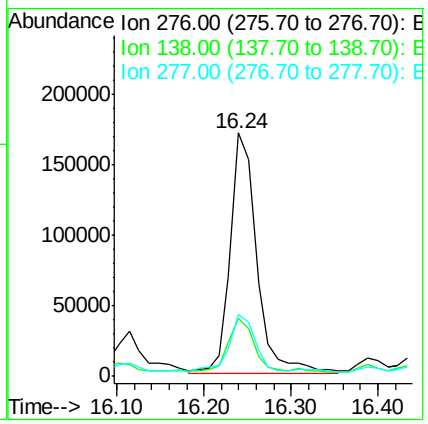


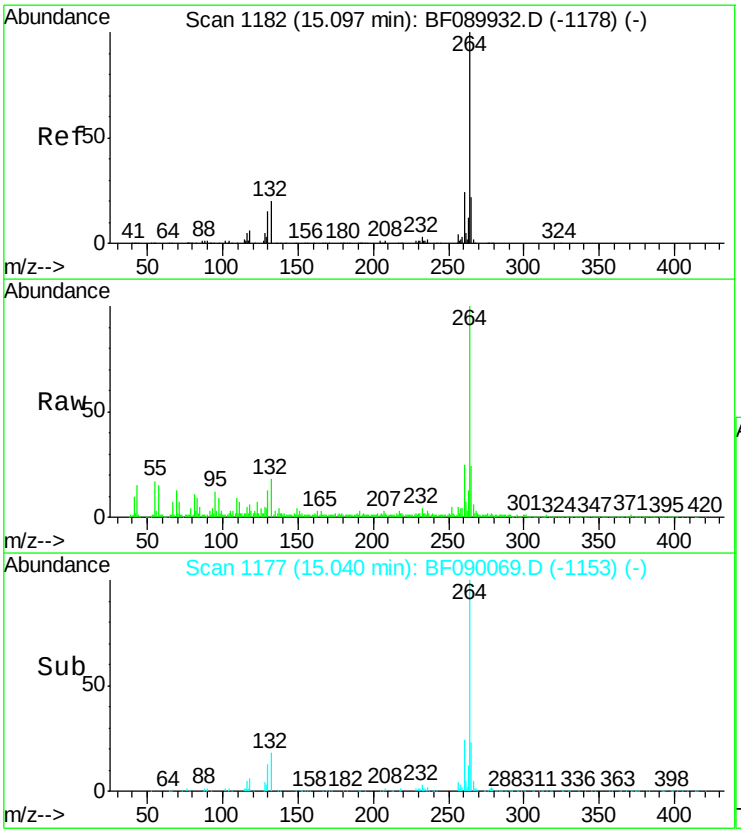
#85
Indeno(1,2,3-cd)pyrene
Concen: 20.26 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:276 Resp: 360537

Ion	Ratio	Lower	Upper
276	100		
138	24.1	22.6	34.0
277	26.2	20.1	30.1

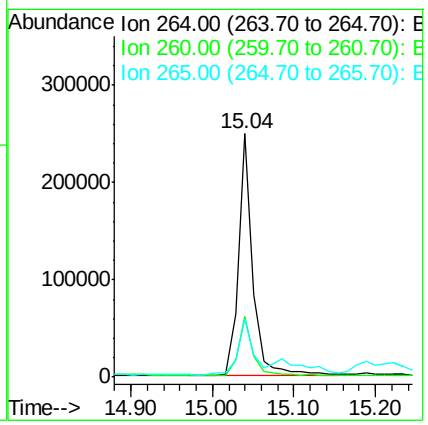


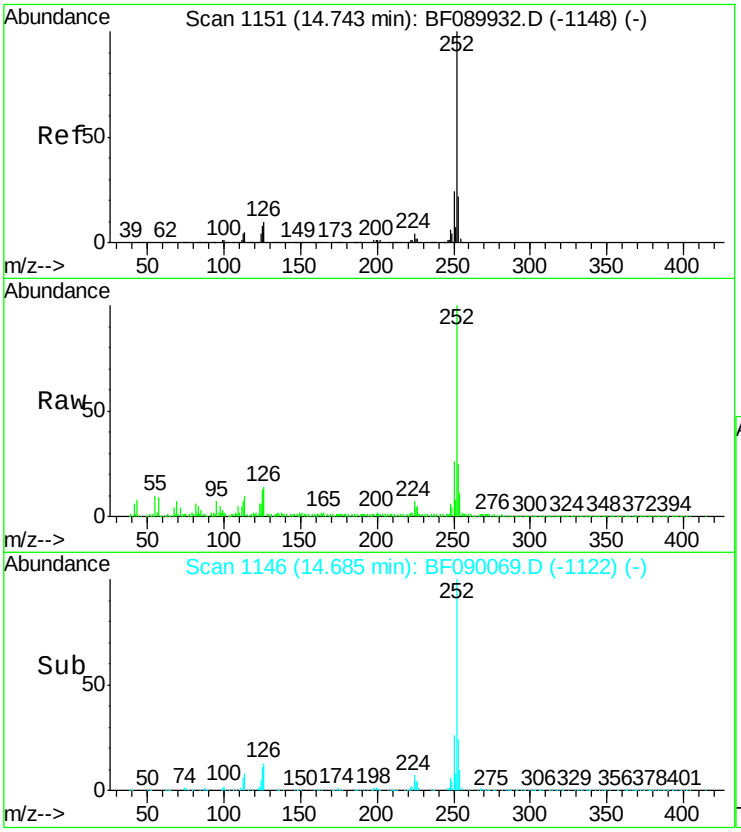


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:264 Resp: 308461

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.0
265	24.0	17.4	26.2



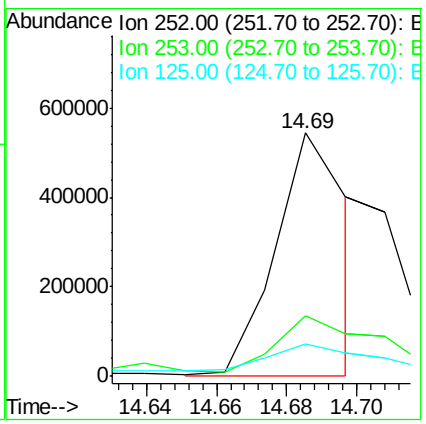


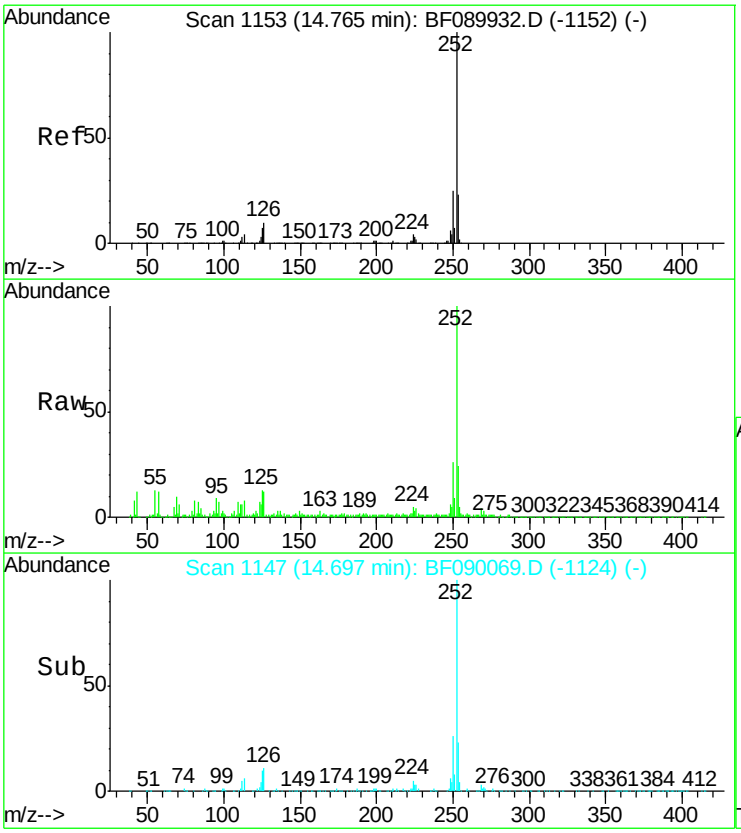
#87
Benzo(b)fluoranthene
Concen: 40.85 ng m
RT: 14.69 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:252 Resp: 789391

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	13.3	5.7	8.5#

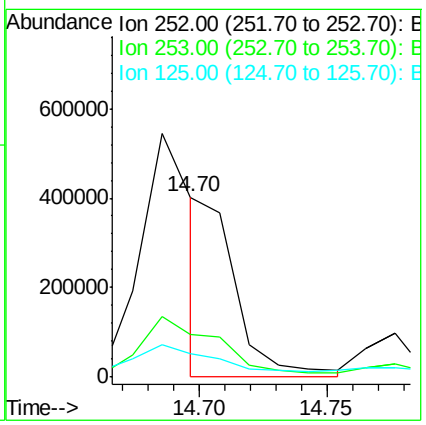


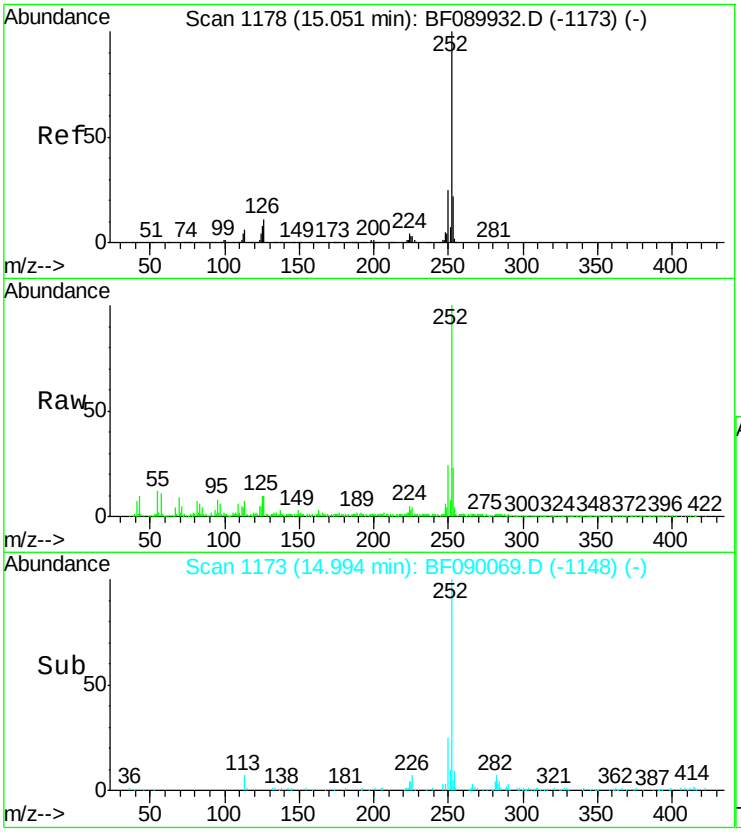


#88
Benzo(k)fluoranthene
Concen: 20.81 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:252 Resp: 341213

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	13.1	7.3	10.9#



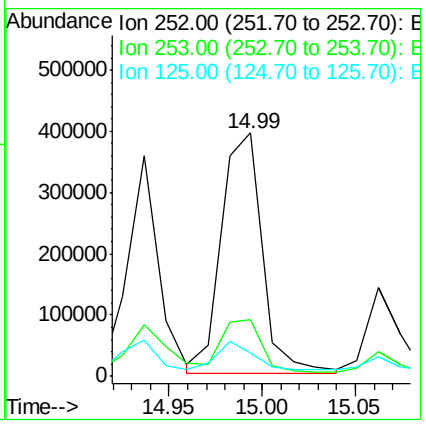


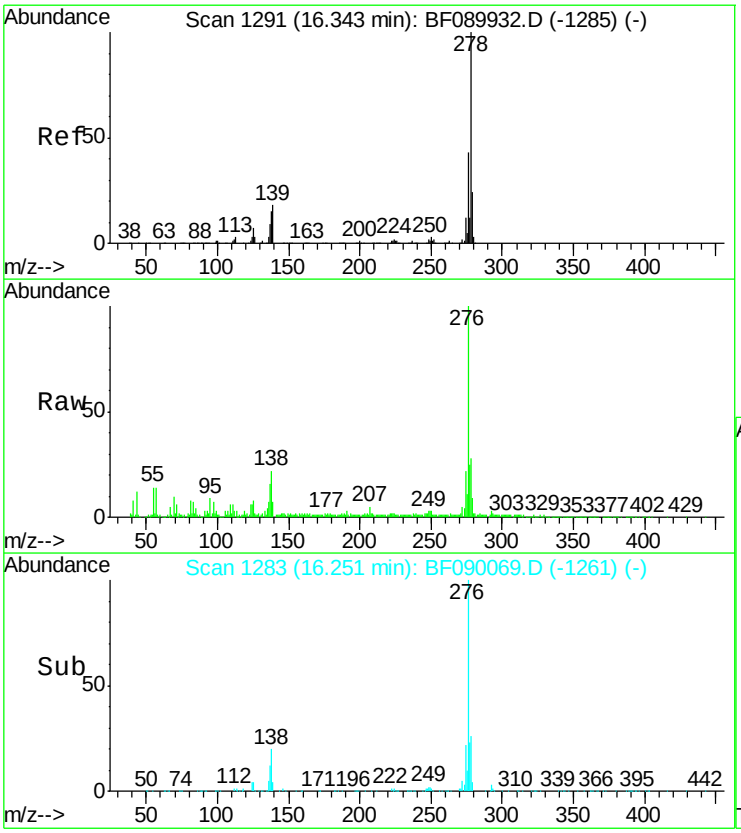
#89
Benzo(a)pyrene
Concen: 36.60 ng
RT: 14.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:252 Resp: 606003

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	9.7	6.3	9.5#

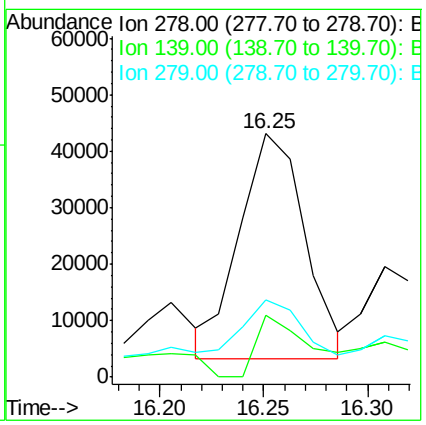


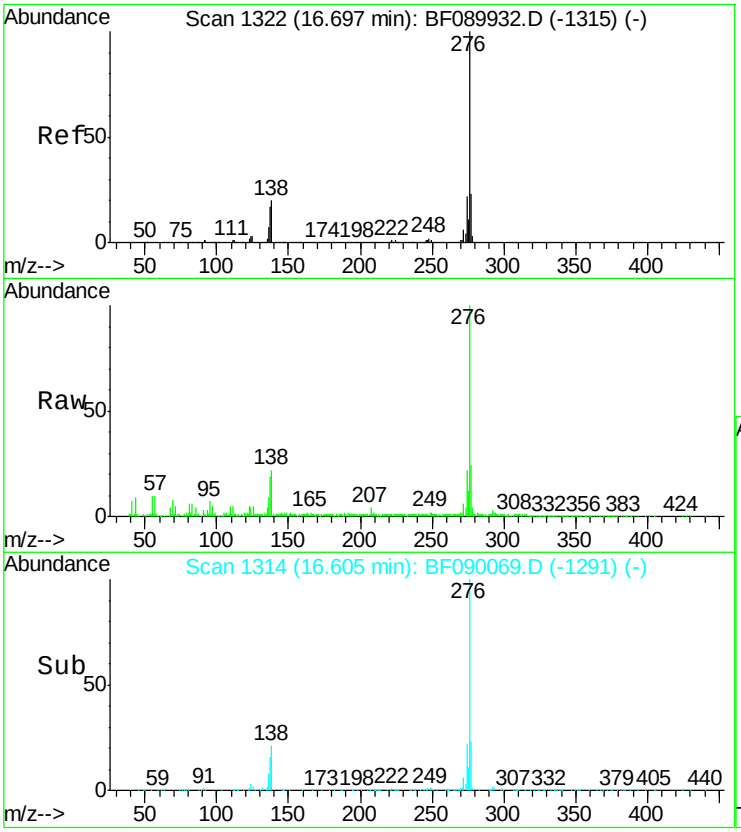


#90
Dibenzo(a,h)anthracene
Concen: 7.20 ng m
RT: 16.25 min Scan# 1283
Delta R.T. -0.05 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Tgt Ion:278 Resp: 87323

Ion	Ratio	Lower	Upper
278	100		
139	25.1	13.4	20.2#
279	31.7	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 27.11 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF090069.D
Acq: 12 Sep 2016 17:56

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:276 Resp: 330999

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	21.8	16.4	24.6