Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
Data File : BF090908.D
Acq On : 28 Oct 2016 14:21
Operator : UM/SJ
Sample : H5411-02DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 28 15:17:14 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 27 18:46:43 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	208478	20.00	ng		-0.01
21) Naphthalene-d8	8.05	136	887608	20.00	ng		-0.01
38) Acenaphthene-d10	9.80	164	447335	20.00	ng		-0.02
63) Phenanthrene-d10	11.29	188	701725	20.00	ng		-0.02
75) Chrysene-d12	13.93	240	459505	20.00	ng		-0.02
86) Perylene-d12	15.33	264	447795	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	108024	9.06	ng		-0.02
7) Phenol-d6	6.40	99	155650	9.68	ng		-0.02
23) Nitrobenzene-d5	7.32	82	97688	7.20	ng		-0.03
41) 2,4,6-Tribromophenol	10.59	330	21632	4.71	ng		-0.02
44) 2-Fluorobiphenyl	9.13	172	159412	6.26	ng		-0.02
78) Terphenyl-d14	12.87	244	100509	5.51	ng		-0.03
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	9.80	165	60974	9.24	ng	#	39
51) Acenaphthene	9.84	154	62033	2.43	ng		86
54) Dibenzofuran	10.01	168	72967	2.21	ng	#	88
55) 4-Nitrophenol	10.01	139	30451	7.11	ng	#	28
56) 2,4-Dinitrotoluene	9.80	165	61606	7.51	ng	#	33
57) Fluorene	10.35	166	89195	3.30	ng		93
70) Phenanthrene	11.31	178	834484	23.35	ng		96
71) Anthracene	11.36	178	198429	5.27	ng		98
74) Fluoranthene	12.50	202	721586	18.44	ng		91
77) Pyrene	12.73	202	611568	21.03	ng		96
80) Benzo(a)anthracene	13.92	228	284177	11.65	ng		94
82) Chrysene	13.92	228	284177	11.52	ng		96
85) Indeno(1,2,3-cd)pyrene	16.67	276	98886	4.52	ng	#	89
87) Benzo(b)fluoranthene	14.93	252	307005	10.20	ng	#	90
88) Benzo(k)fluoranthene	14.93	252	307005	12.90	ng	#	91
89) Benzo(a)pyrene	15.21	252	121776	4.71	ng		97
91) Benzo(g,h,i)perylene	17.08	276	88964	4.31	ng	#	82

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102816\
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Acq On : 28 Oct 2016 14:21
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ALS Vial : 11 Sample Multiplier: 1

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BNA_F
ClientSampleId :

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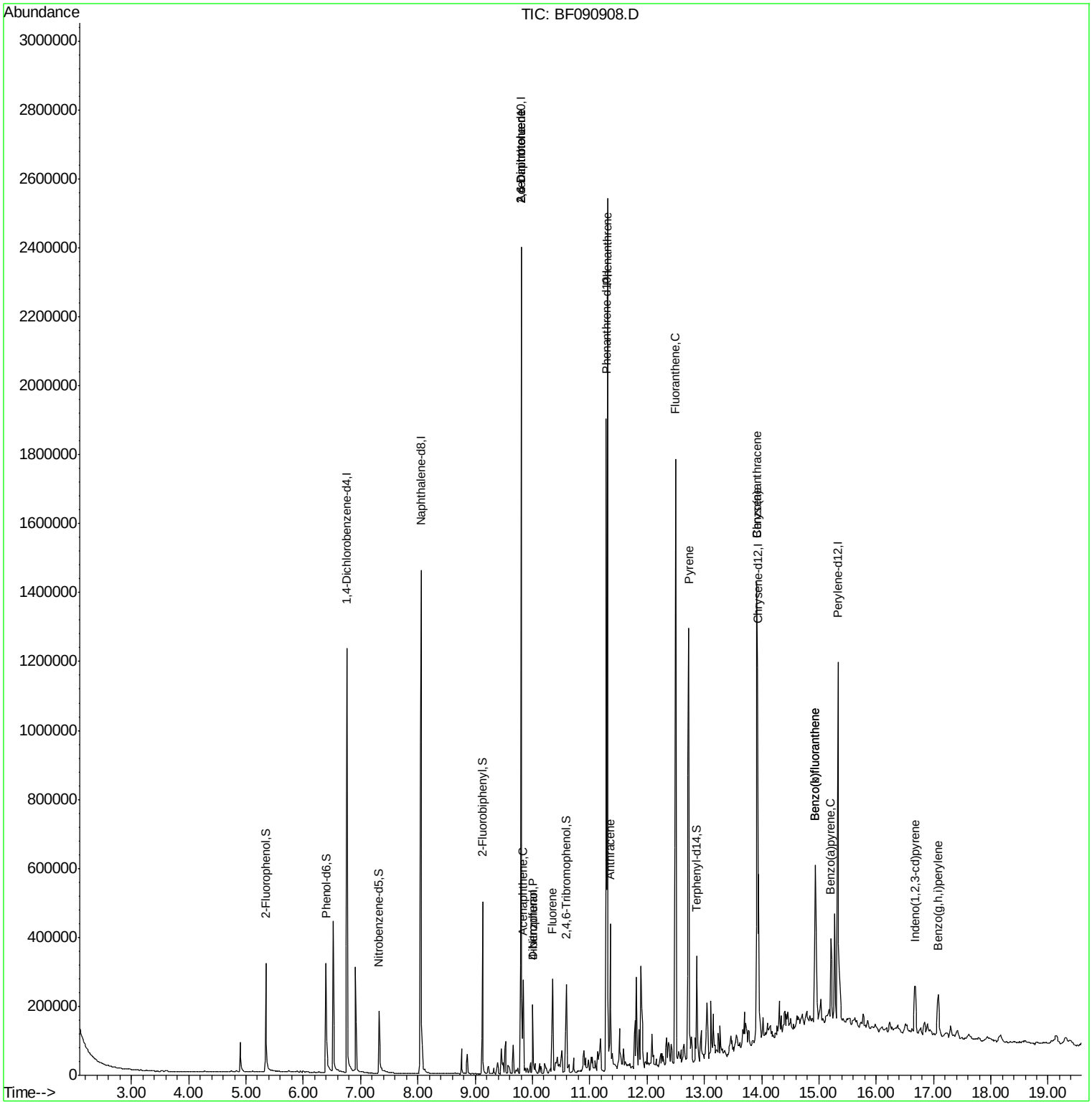
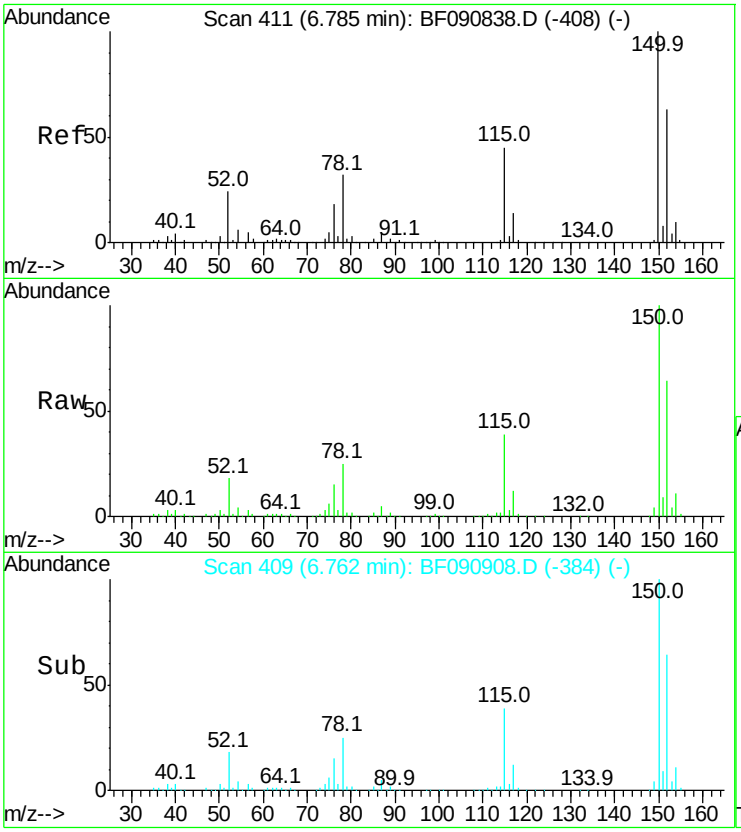
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 27 18:46:43 2016
Response via : Initial Calibration



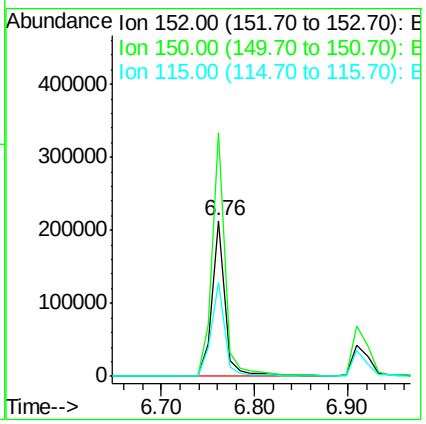


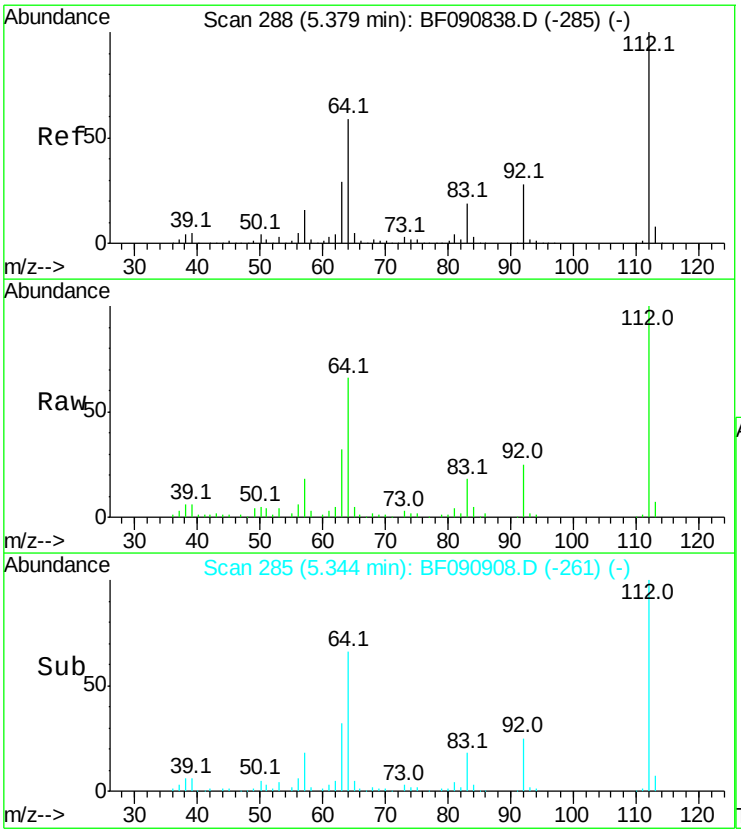
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 208478

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.7	187.1
115	60.4	39.0	58.4#

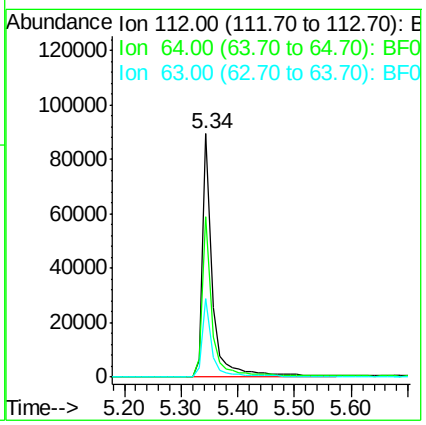


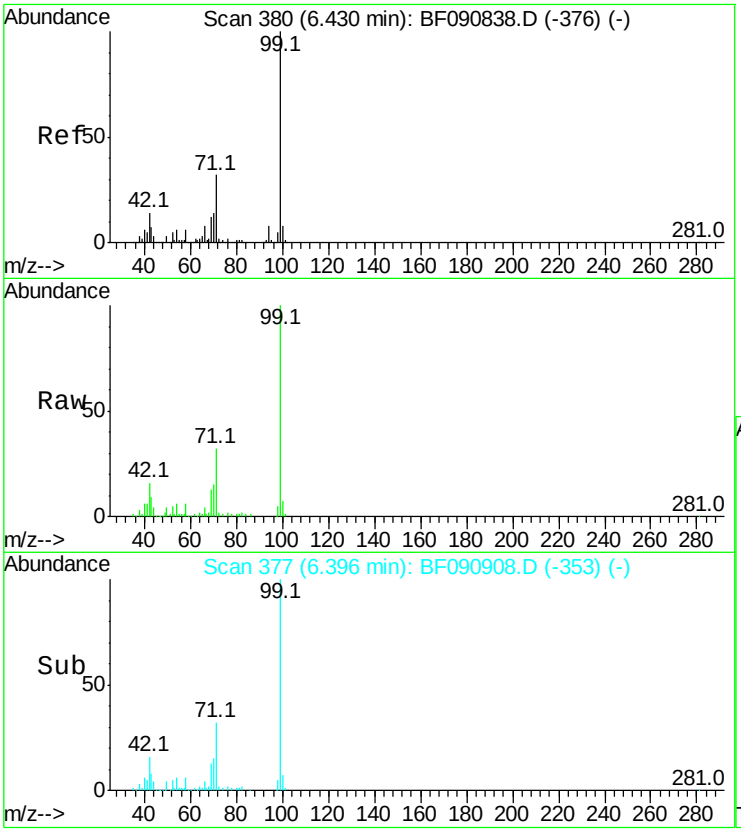


#5
2-Fluorophenol
Concen: 9.06 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:112 Resp: 108024

Ion	Ratio	Lower	Upper
112	100		
64	66.0	39.7	59.5#
63	32.2	17.4	26.0#



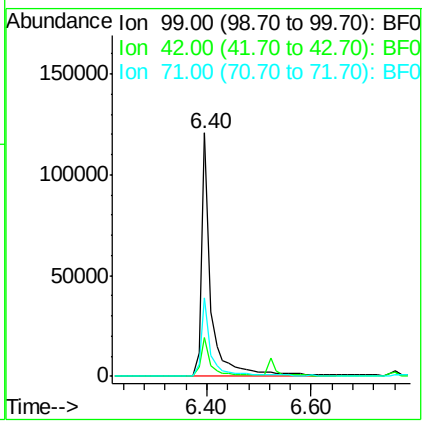


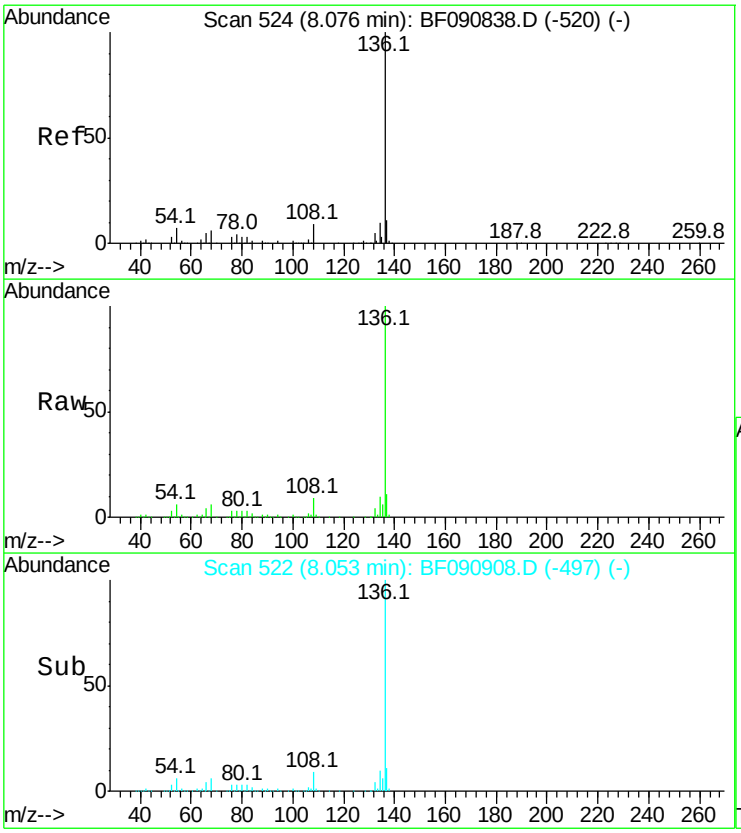
#7
Phenol-d6
Concen: 9.68 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 155650

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.7	20.5
71	32.4	14.2	21.2#

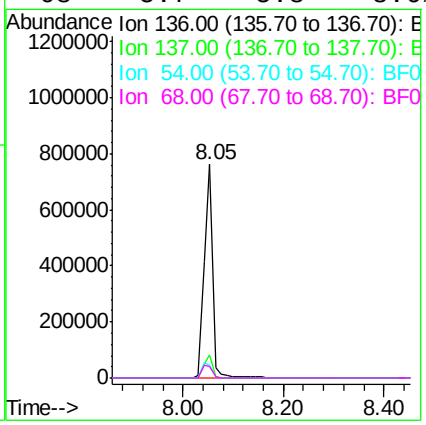


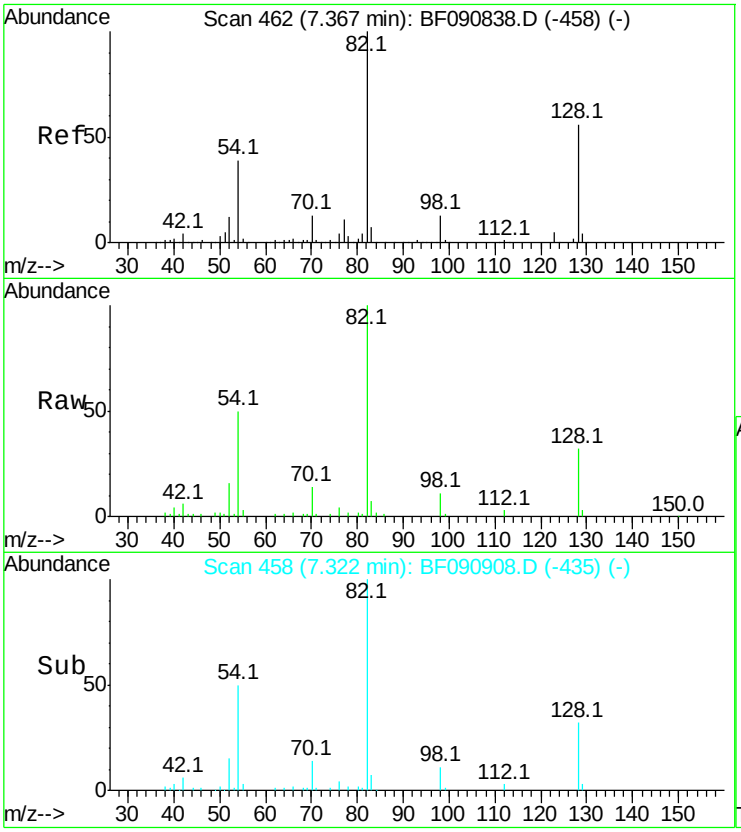


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:136 Resp: 887608

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	6.3	8.2	12.2#
68	5.7	5.8	8.6#



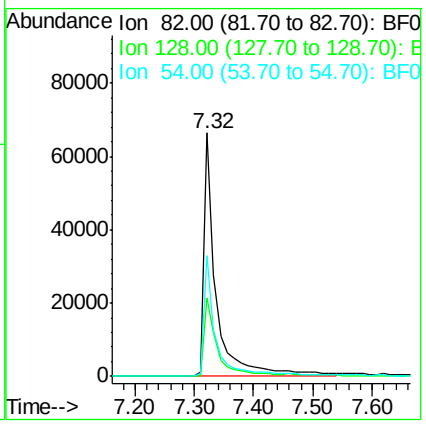


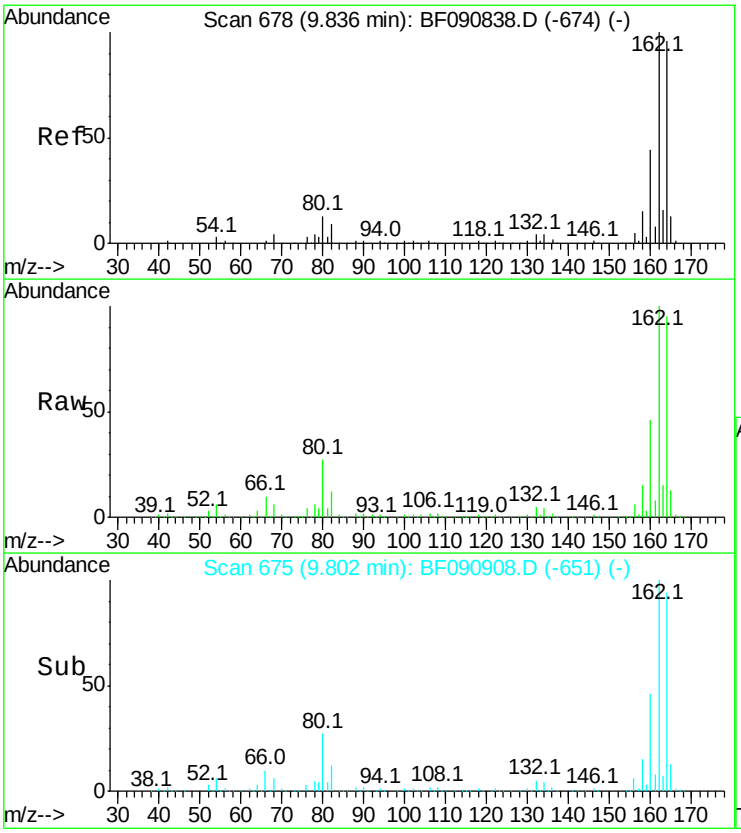
#23
Nitrobenzene-d5
Concen: 7.20 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.03 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 97688

Ion	Ratio	Lower	Upper
82	100		
128	32.1	51.0	76.6#
54	49.8	47.5	71.3

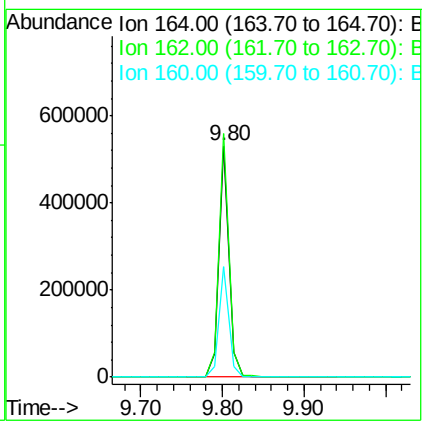


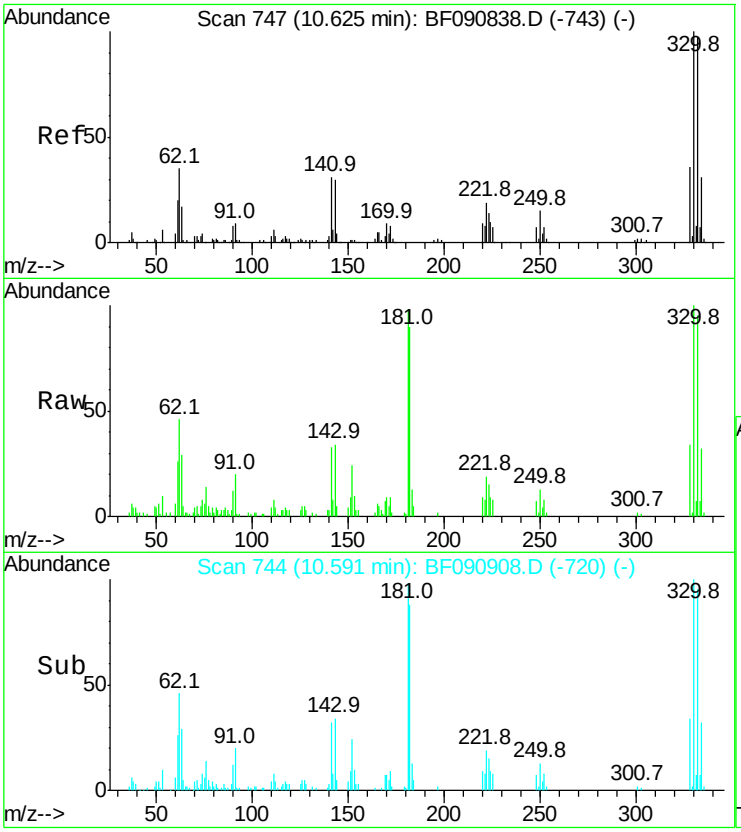


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:164 Resp: 447335

Ion	Ratio	Lower	Upper
164	100		
162	105.4	75.2	112.8
160	48.0	31.5	47.3#

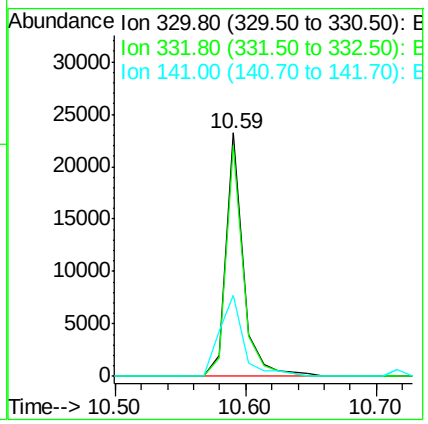




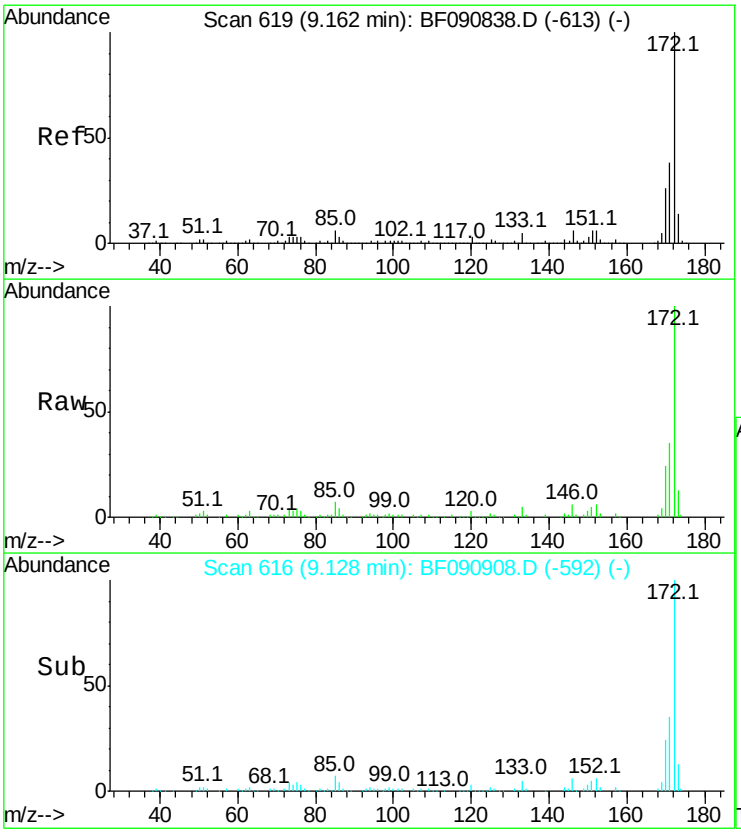
#41
2,4,6-Tribromophenol
Concen: 4.71 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:330 Resp: 21632

Ion	Ratio	Lower	Upper
330	100		
332	93.6	76.6	114.8
141	46.1	29.7	44.5#



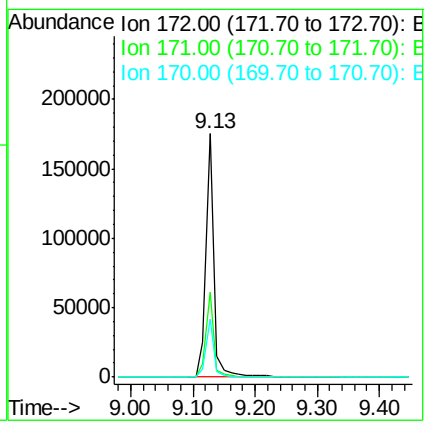
Instrument :
BNA_F
ClientSampleId :

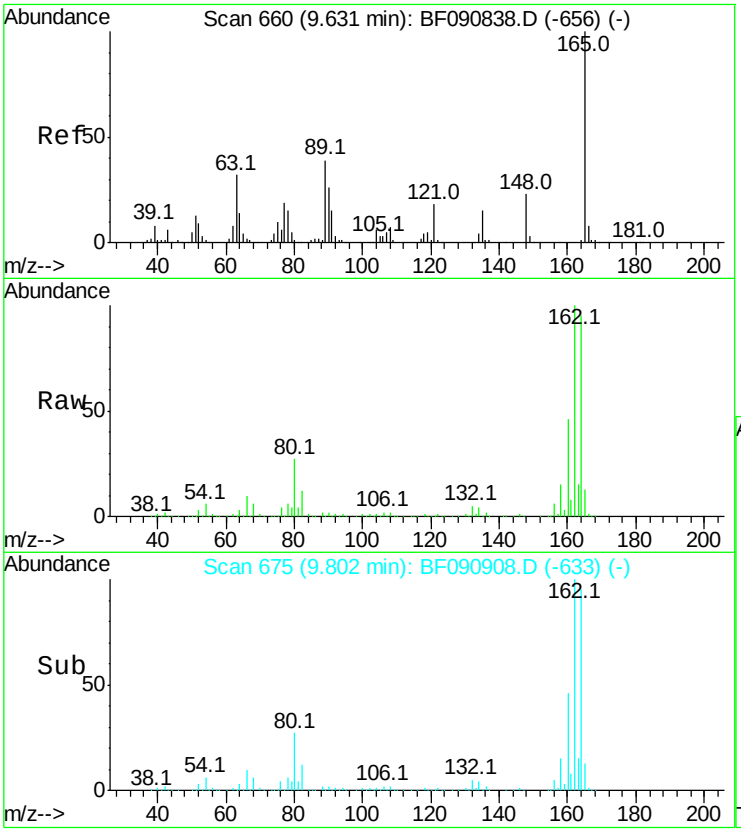


#44
2-Fluorobiphenyl
Concen: 6.26 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:172 Resp: 159412

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.1	39.1
170	23.9	17.4	26.2



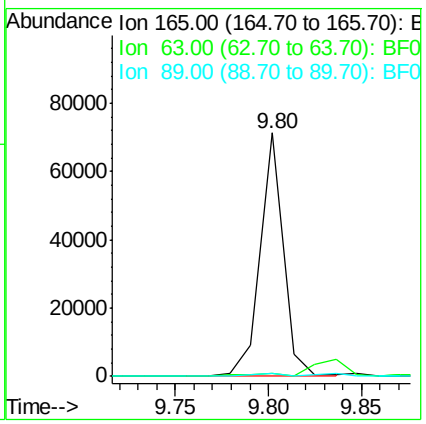


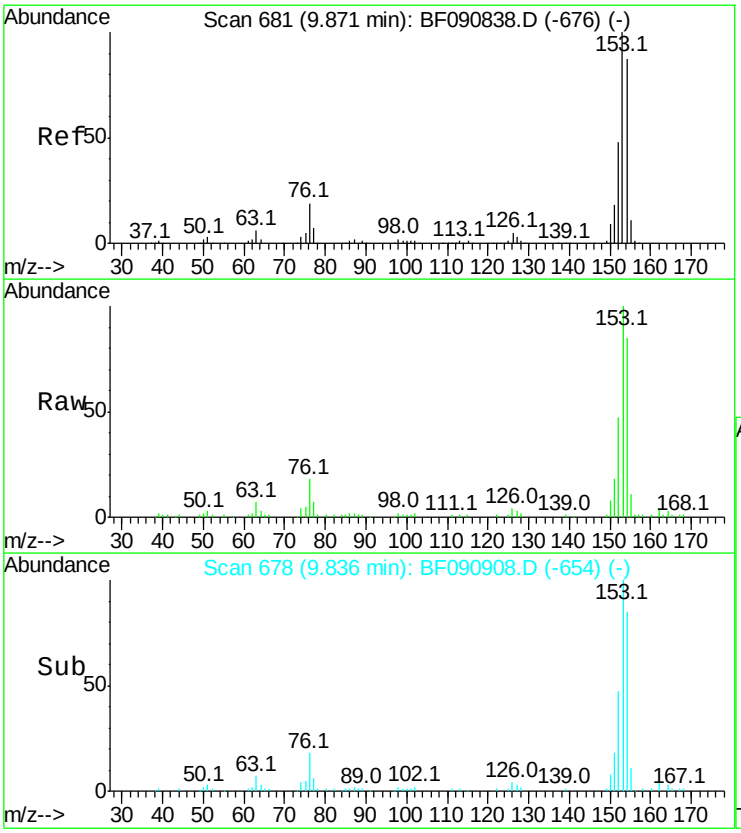
#50
2,6-Dinitrotoluene
Concen: 9.24 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.18 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 60974

Ion	Ratio	Lower	Upper
165	100		
63	1.1	32.3	48.5#
89	1.3	28.6	43.0#

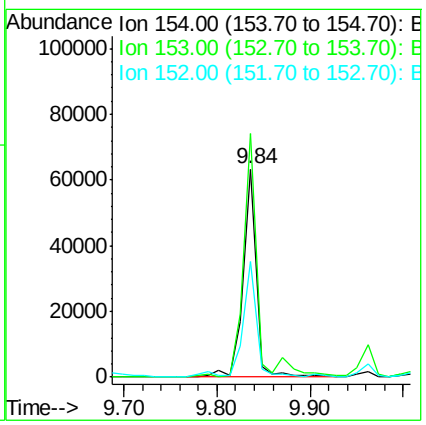


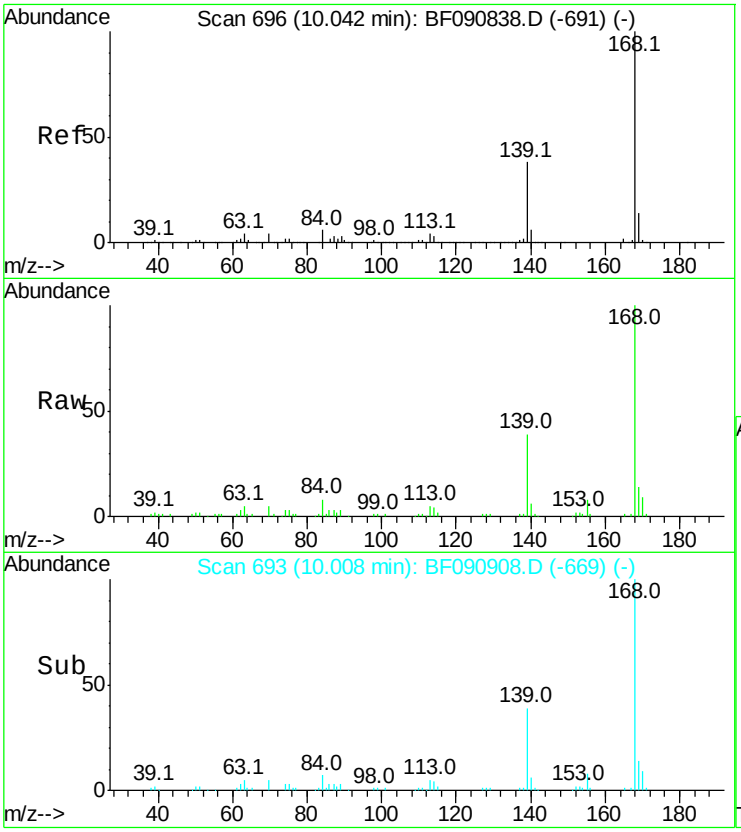


#51
Acenaphthene
Concen: 2.43 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:154 Resp: 62033

Ion	Ratio	Lower	Upper
154	100		
153	117.0	82.1	123.1
152	55.4	37.9	56.9



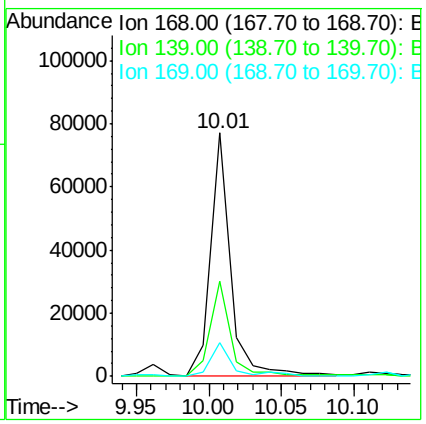


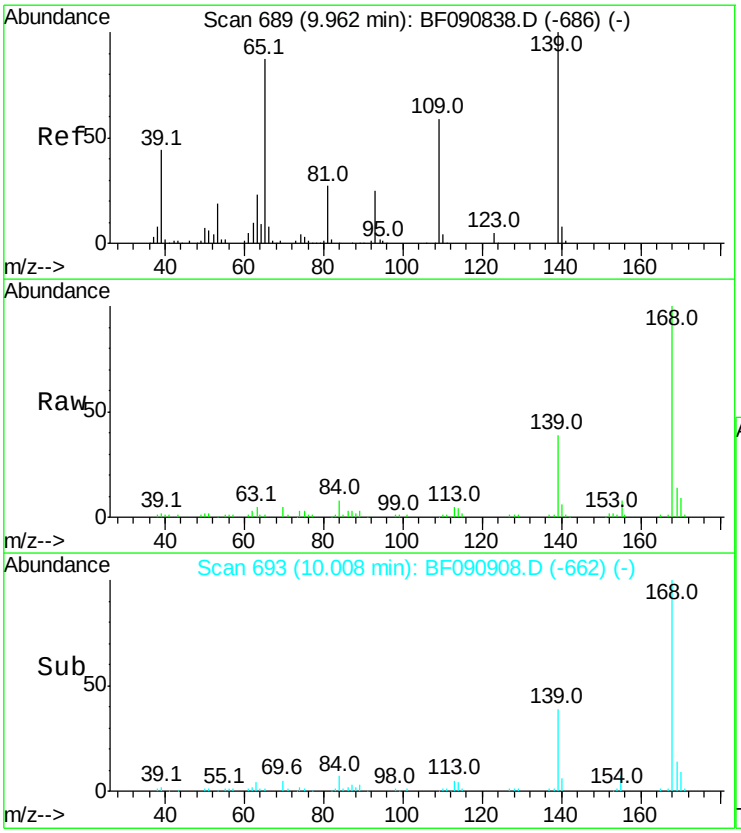
#54
Dibenzofuran
Concen: 2.21 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 72967

Ion	Ratio	Lower	Upper
168	100		
139	39.2	24.2	36.2#
169	14.0	10.6	15.8

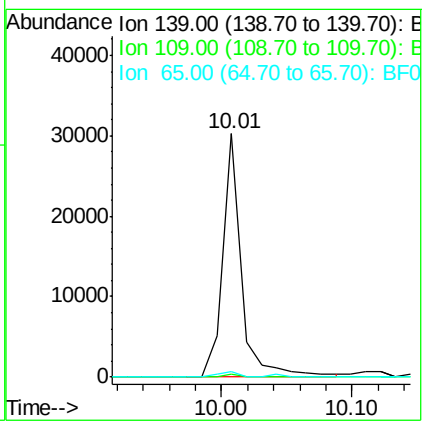


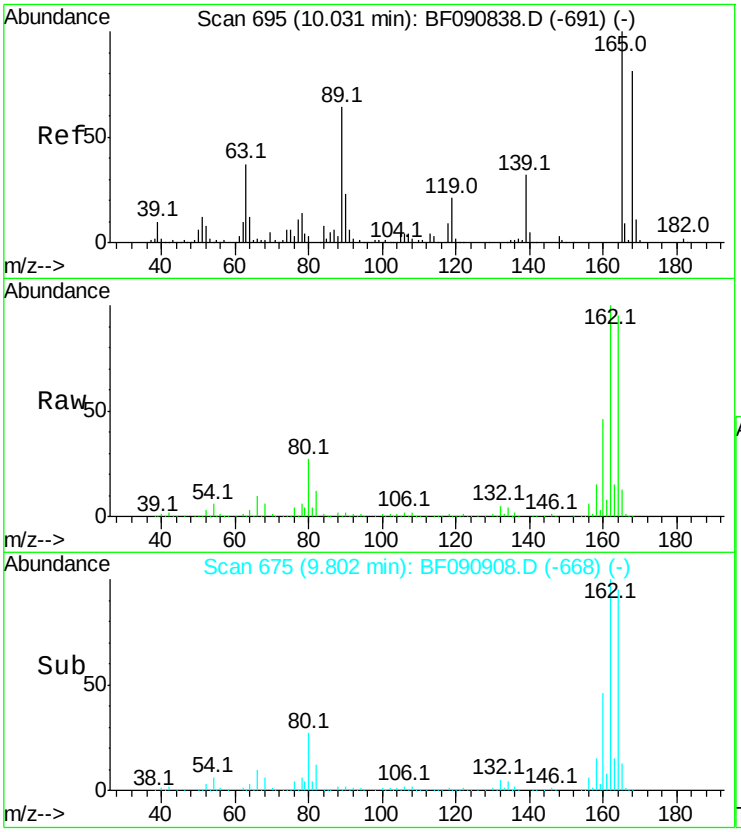


#55
4-Nitrophenol
Concen: 7.11 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.06 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:139 Resp: 30451

Ion	Ratio	Lower	Upper
139	100		
109	1.2	12.7	52.7#
65	2.0	45.9	85.9#



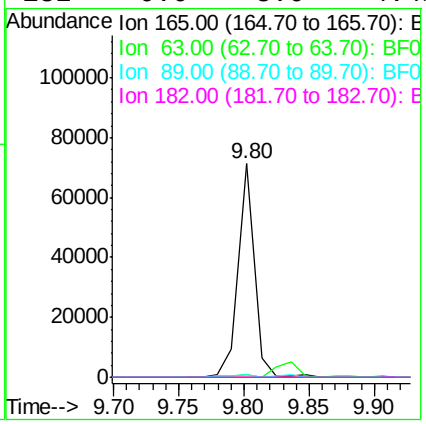


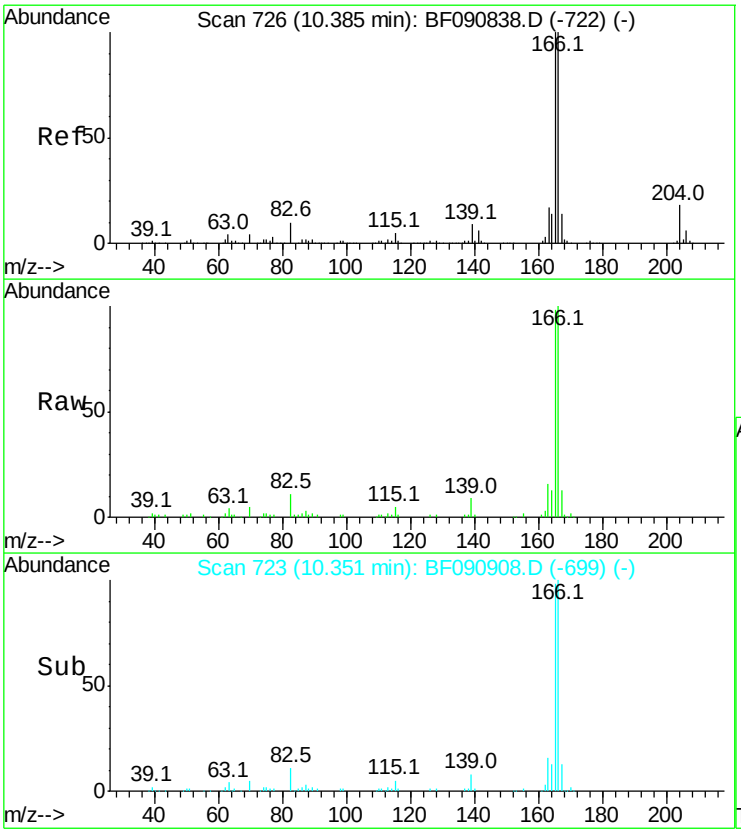
#56
2,4-Dinitrotoluene
Concen: 7.51 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.22 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 61606

Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.8	44.6#
89	1.3	44.5	66.7#
182	0.0	3.0	4.4#

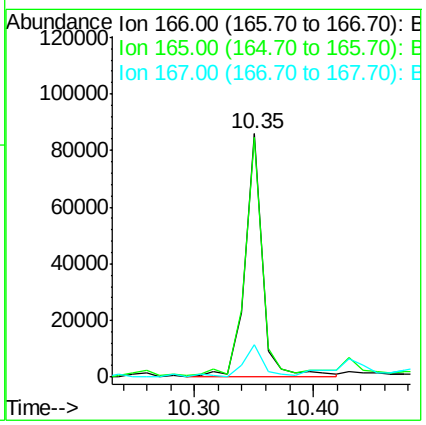


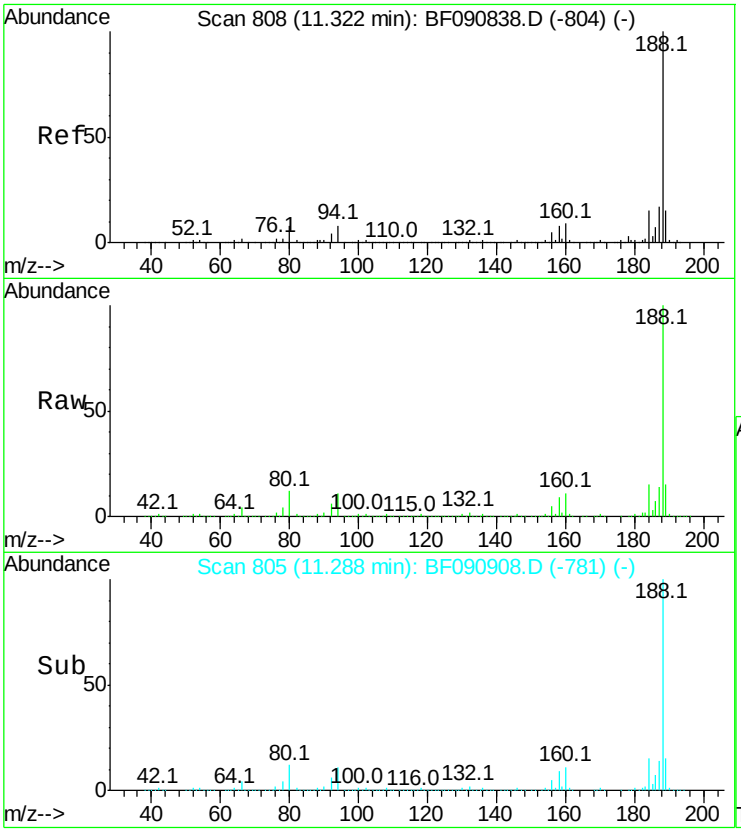


#57
Fluorene
Concen: 3.30 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:166 Resp: 89195

Ion	Ratio	Lower	Upper
166	100		
165	98.4	72.6	109.0
167	13.3	10.6	16.0



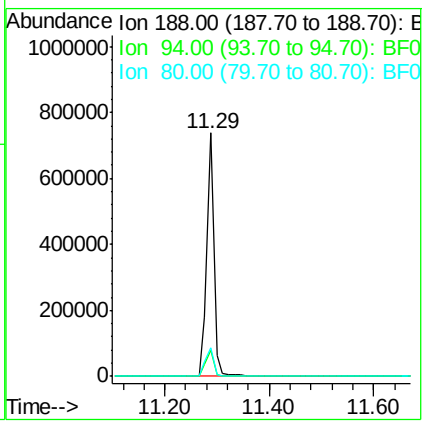


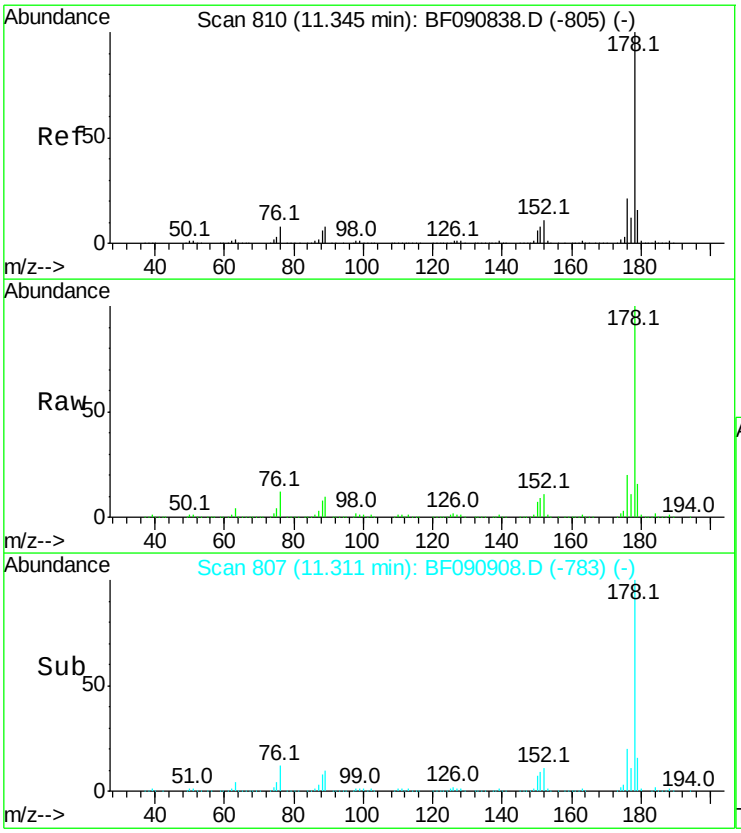
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 701725

Ion	Ratio	Lower	Upper
188	100		
94	10.9	11.1	16.7#
80	11.8	11.0	16.4

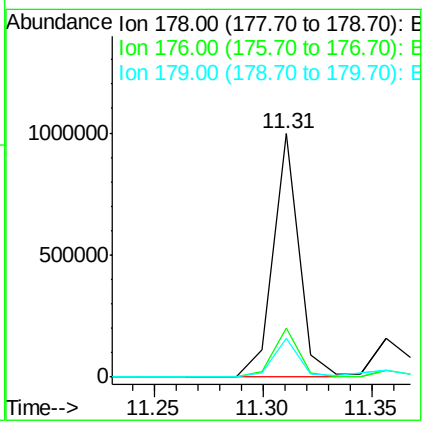


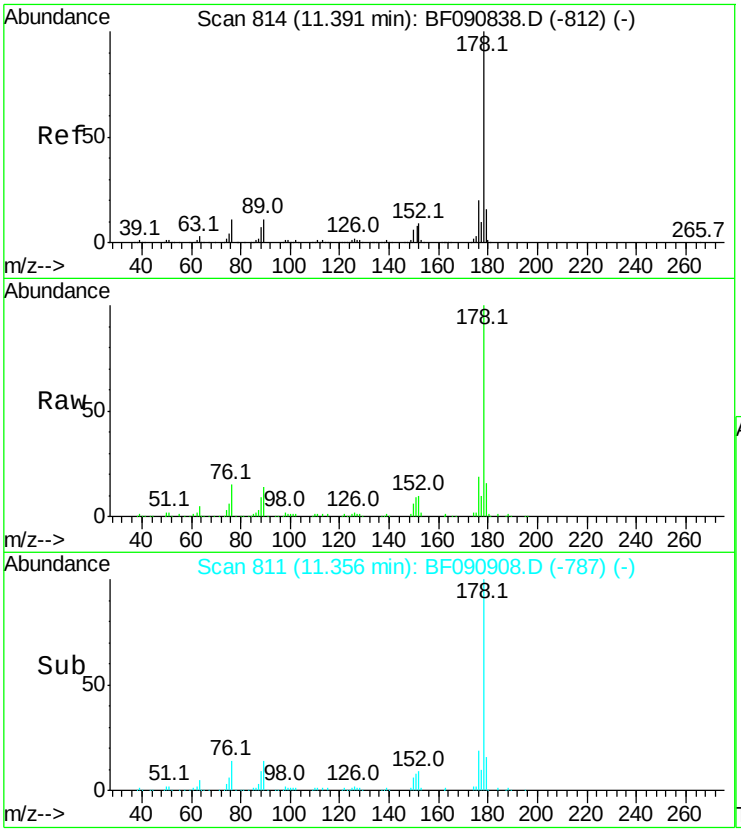


#70
Phenanthrene
Concen: 23.35 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:178 Resp: 834484

Ion	Ratio	Lower	Upper
178	100		
176	20.1	13.8	20.8
179	15.8	12.2	18.2



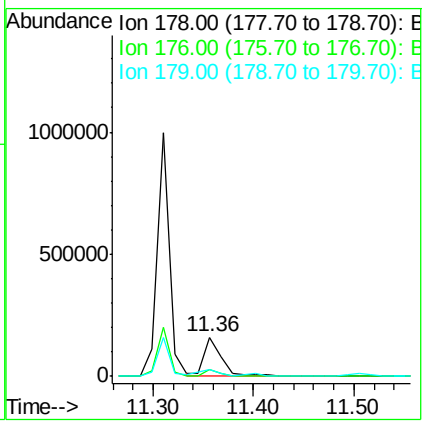


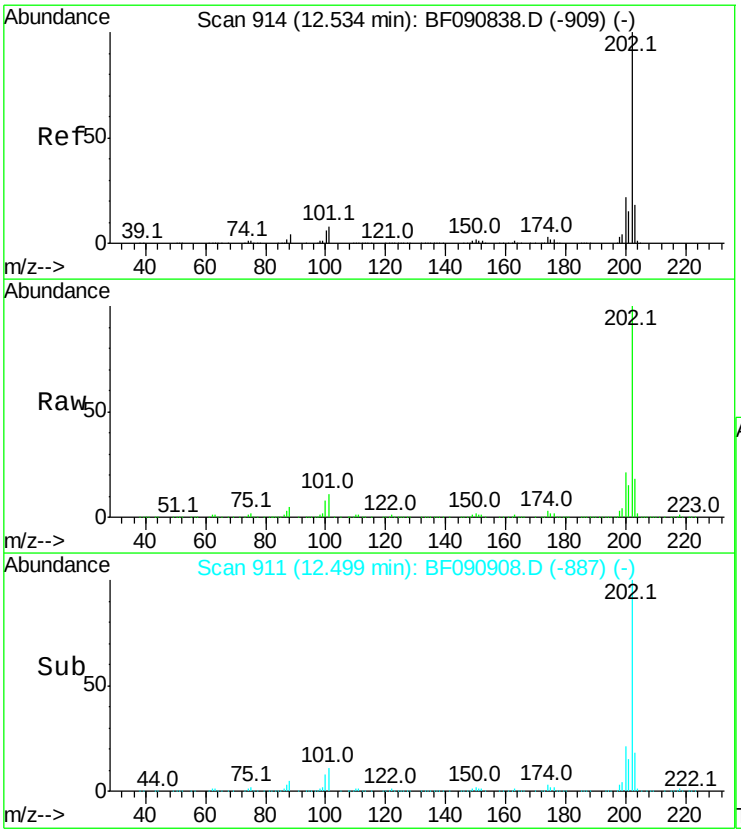
#71
Anthracene
Concen: 5.27 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 198429

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.1	21.1
179	16.0	12.2	18.2

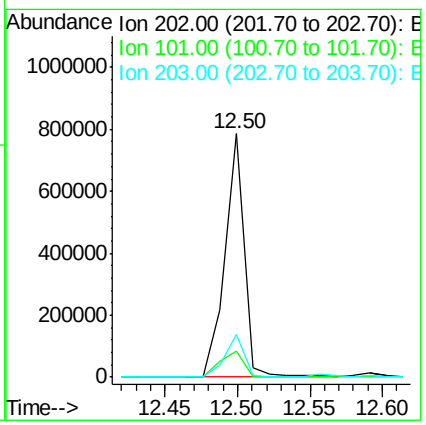


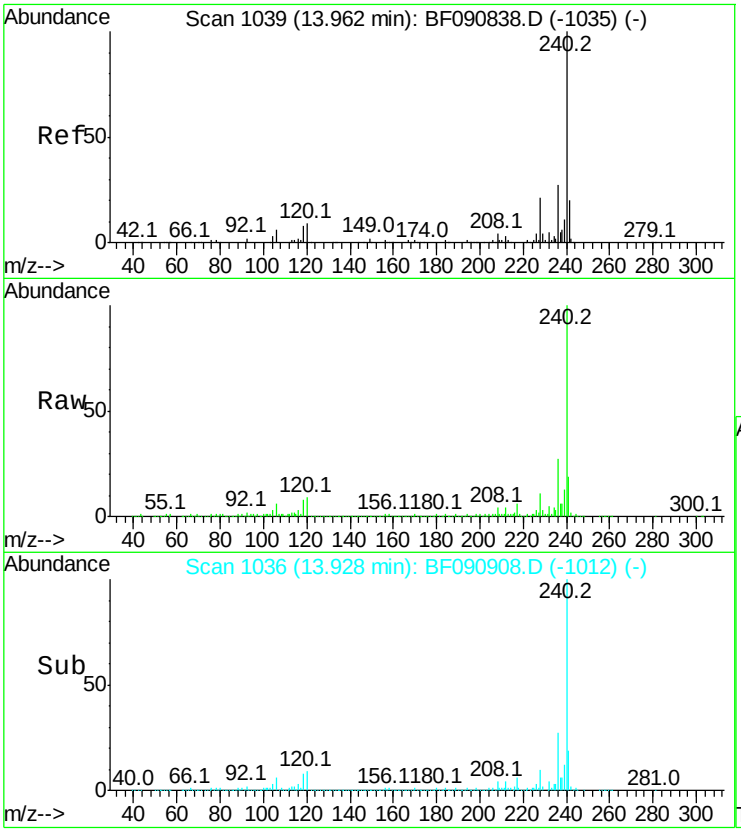


#74
Fluoranthene
Concen: 18.44 ng
RT: 12.50 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:202 Resp: 721586

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	38.3
203	17.7	0.0	37.3



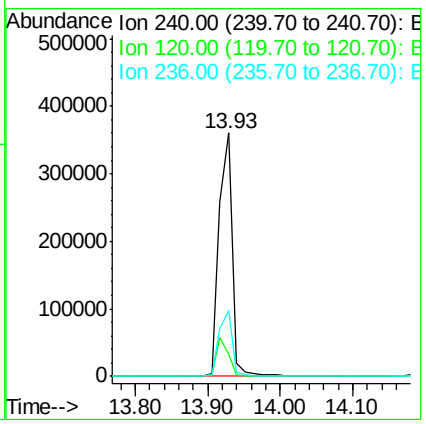


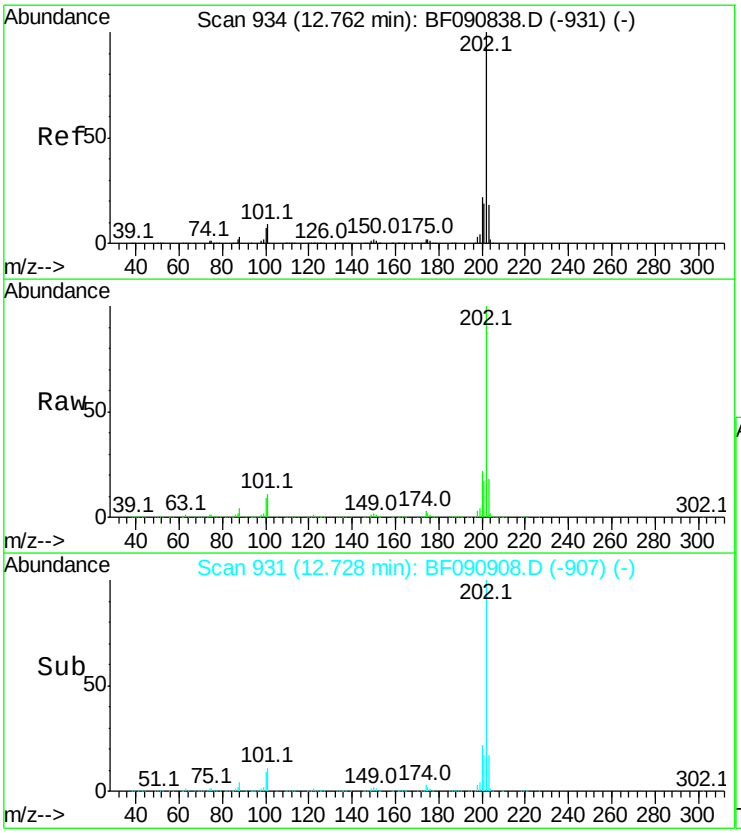
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 459505

Ion	Ratio	Lower	Upper
240	100		
120	9.1	16.2	24.2#
236	26.8	18.4	27.6

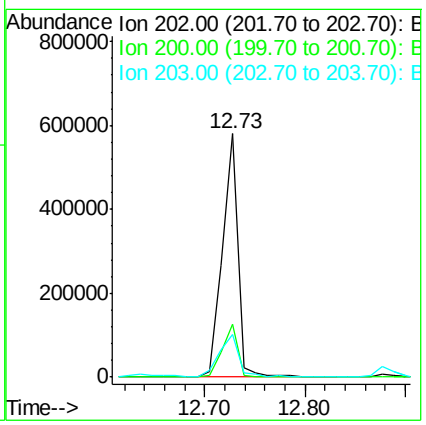


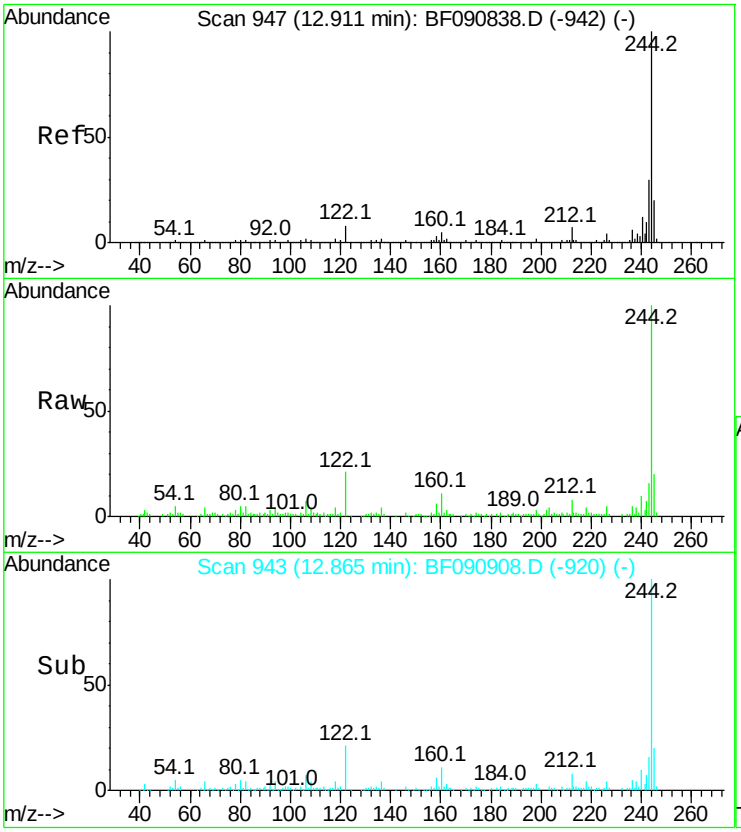


#77
Pyrene
Concen: 21.03 ng
RT: 12.73 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:202 Resp: 611568

Ion	Ratio	Lower	Upper
202	100		
200	21.8	15.0	22.4
203	17.7	14.1	21.1



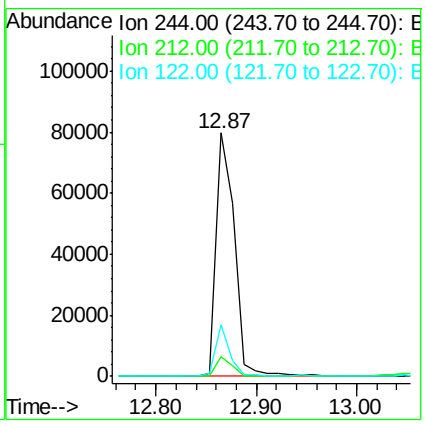


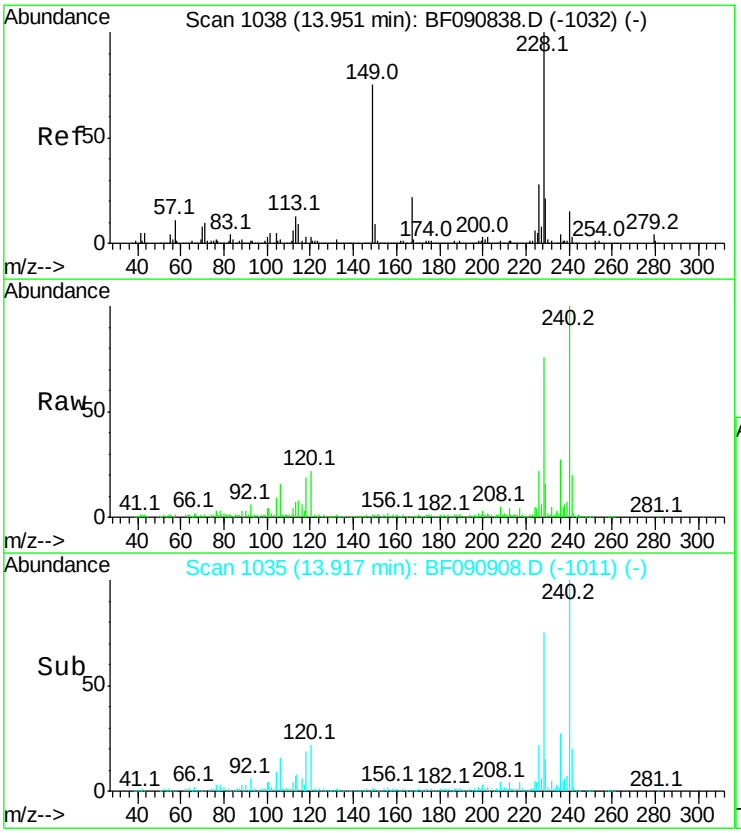
#78
Terphenyl-d14
Concen: 5.51 ng
RT: 12.87 min Scan# 943
Delta R.T. -0.03 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 100509

Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.3	6.5#
122	21.0	17.4	26.2

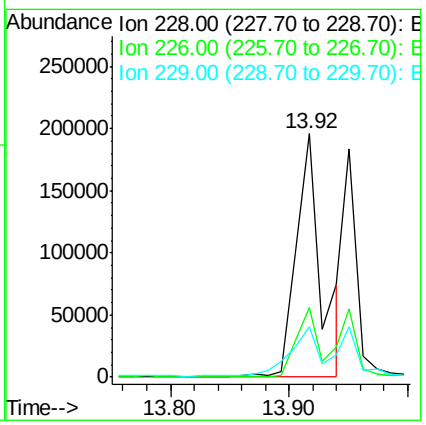


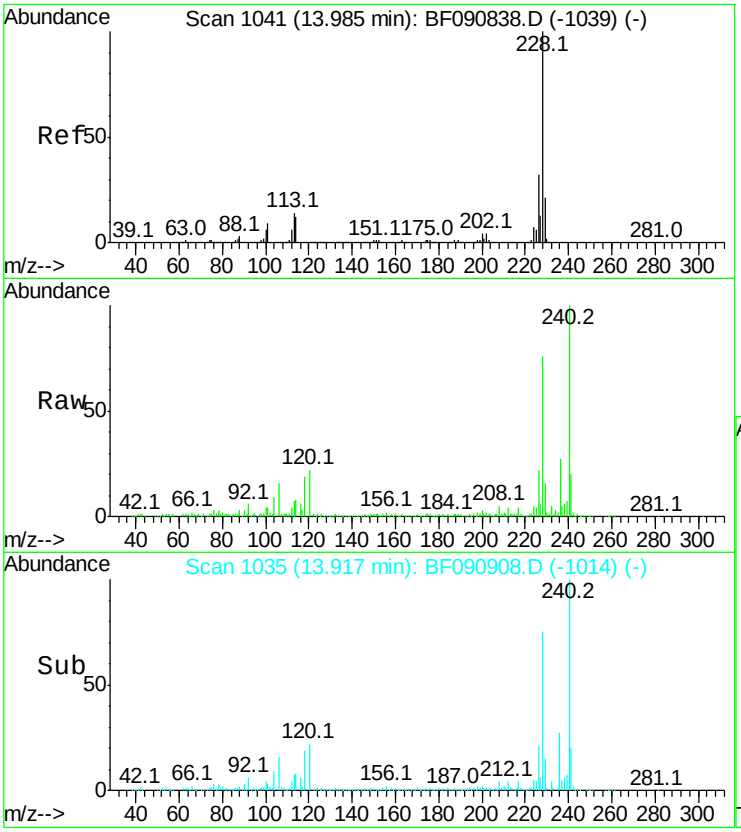


#80
Benzo(a)anthracene
Concen: 11.65 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:228 Resp: 284177

Ion	Ratio	Lower	Upper
228	100		
226	28.7	20.0	30.0
229	20.6	15.4	23.2



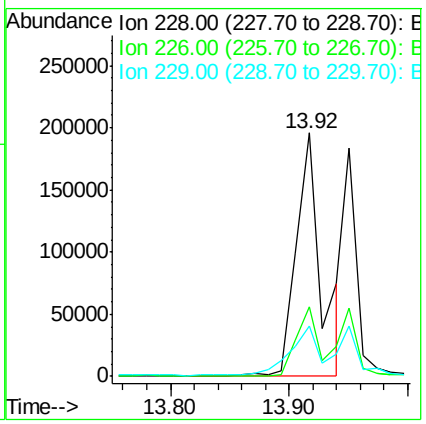


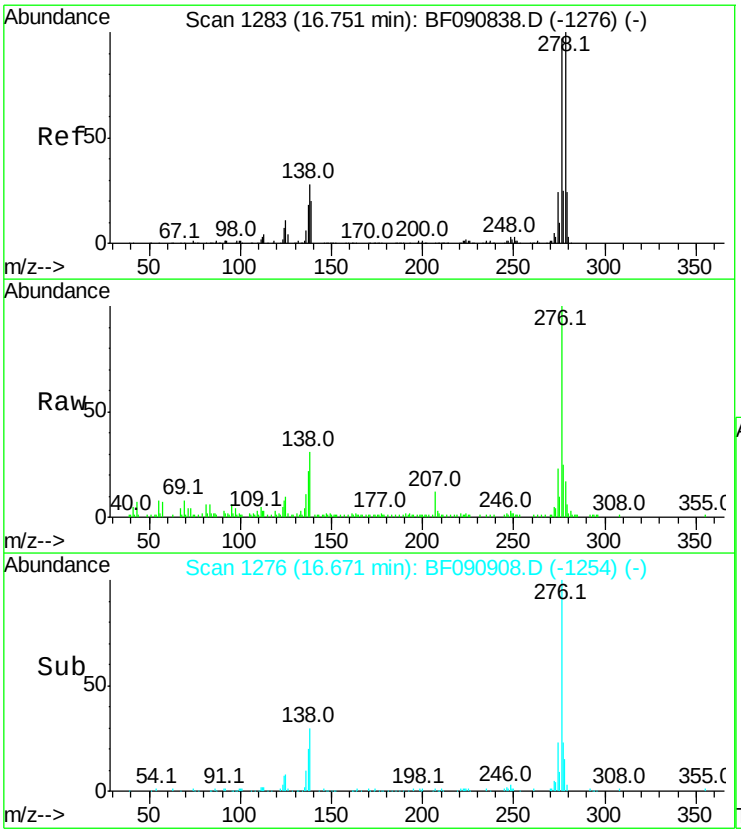
#82
Chrysene
Concen: 11.52 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 284177

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.0	31.4
229	20.6	15.6	23.4

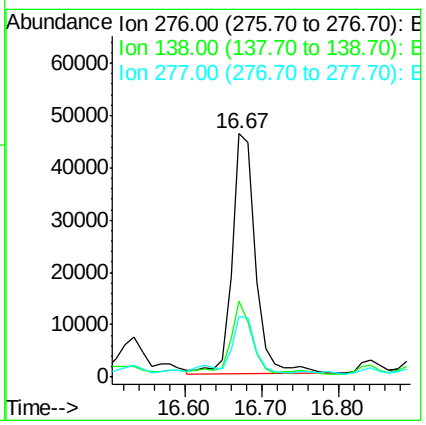


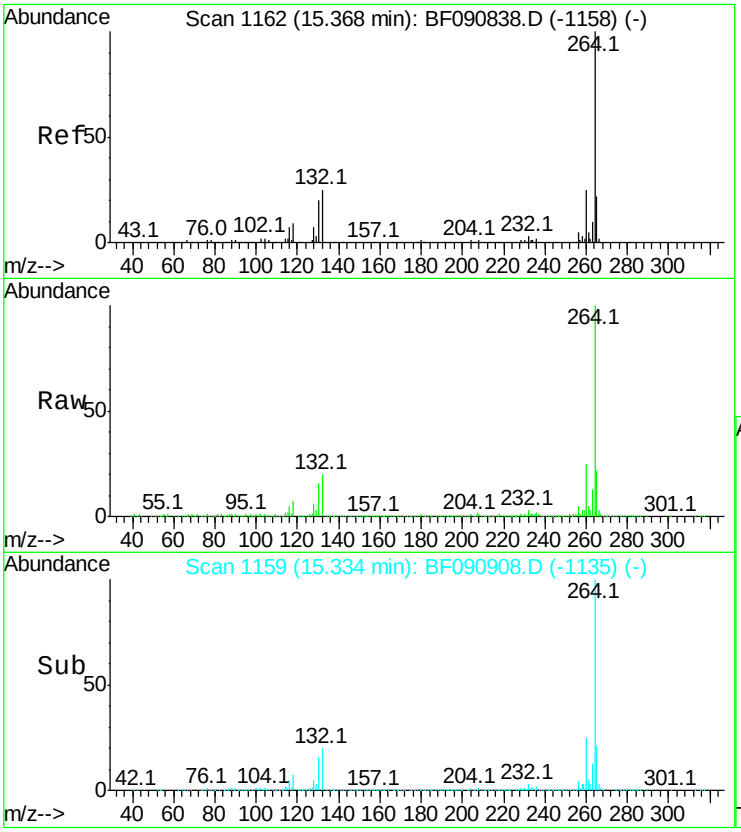


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.52 ng
RT: 16.67 min Scan# 1276
Delta R.T. -0.05 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:276 Resp: 98886

Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.7	38.5
277	26.4	15.6	23.4#



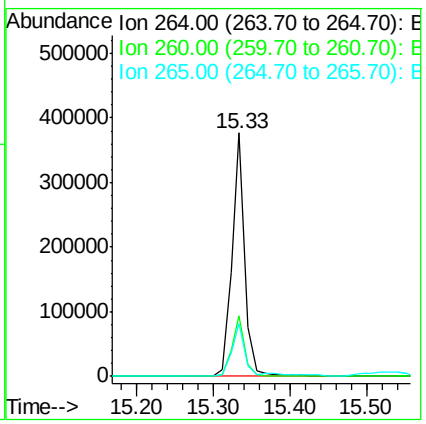


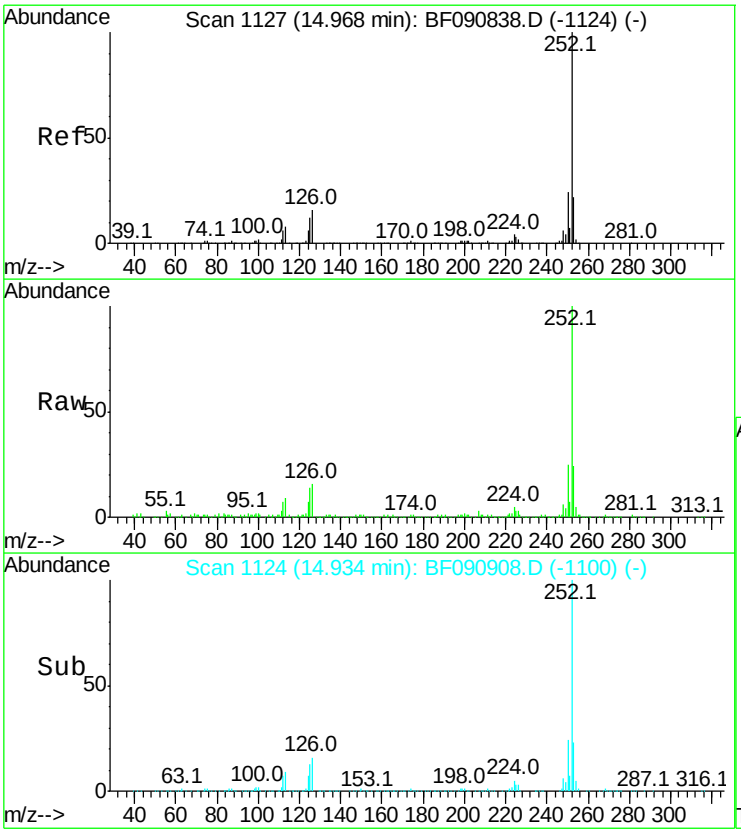
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 447795

Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1#
265	21.6	17.2	25.8

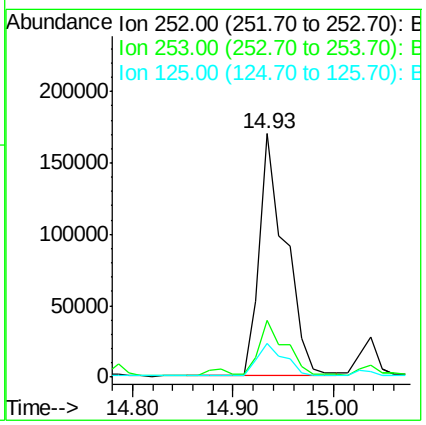


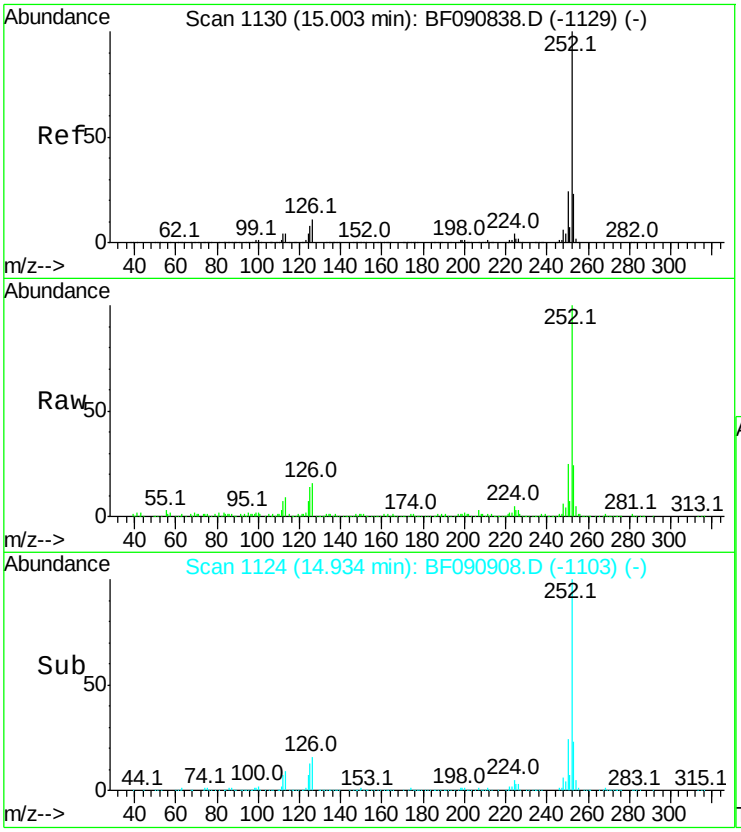


#87
Benzo(b)fluoranthene
Concen: 10.20 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:252 Resp: 307005

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.9	17.1	25.7#



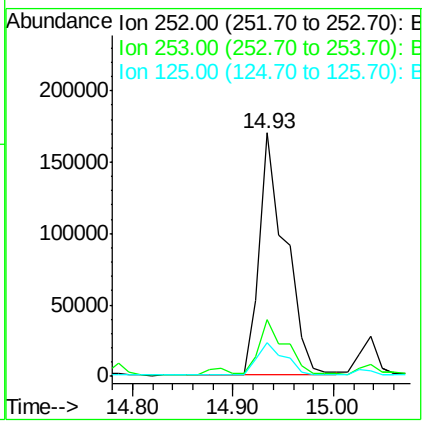


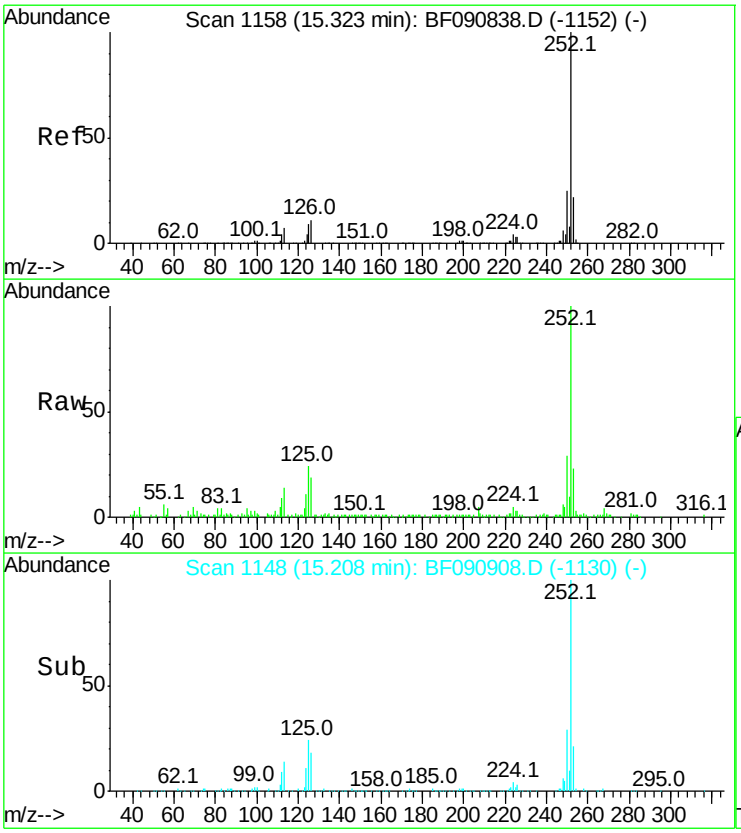
#88
Benzo(k)fluoranthene
Concen: 12.90 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.06 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 307005

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	13.9	16.0	24.0#

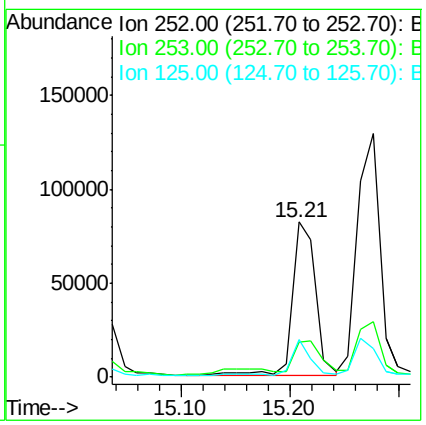


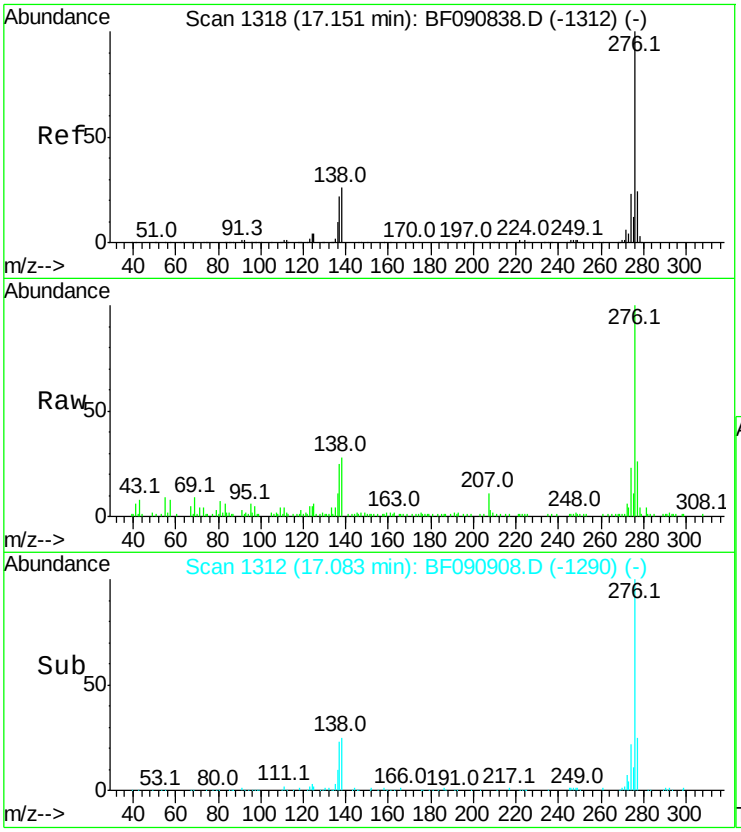


#89
Benzo(a)pyrene
Concen: 4.71 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.09 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Tgt Ion:252 Resp: 121776

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	24.3	18.0	27.0





#91
Benzo(g,h,i)perylene
Concen: 4.31 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.05 min
Lab File: BF090908.D
Acq: 28 Oct 2016 14:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 88964

Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.8	26.6
138	28.3	34.6	51.8#