Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089381.D
Acq On : 29 Jul 2016 00:10
Operator : UM/SJ
Sample : H4205-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-38-0.5-1.5

Quant Time: Jul 29 01:19:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	46414	20.00	ng		-0.02
21) Naphthalene-d8	7.80	136	192579	20.00	ng		-0.02
38) Acenaphthene-d10	9.55	164	89577	20.00	ng		-0.02
63) Phenanthrene-d10	11.03	188	144982	20.00	ng		-0.02
75) Chrysene-d12	13.65	240	95582	20.00	ng		-0.02
86) Perylene-d12	14.98	264	100333	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	282711	97.26	ng		-0.01
7) Phenol-d6	6.18	99	375180	97.66	ng		-0.02
23) Nitrobenzene-d5	7.10	82	244767	75.02	ng		-0.02
41) 2,4,6-Tribromophenol	10.34	330	67082	90.42	ng		-0.02
44) 2-Fluorobiphenyl	8.89	172	441268	72.29	ng		-0.02
78) Terphenyl-d14	12.60	244	261004	63.91	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	60832	46.78	ng	#	26
9) Benzaldehyde	6.30	77	7449	3.97	ng		83
19) n-Nitroso-di-n-propylamine	7.10	70	32275	13.93	ng	#	81
25) Isophorone	7.10	82	221736	33.74	ng	#	67
49) Dimethylphthalate	9.29	163	118276	17.35	ng		100
56) 2,4-Dinitrotoluene	9.55	165	11372	6.17	ng	#	7
66) 4-Bromophenyl-phenylether	10.34	248	5013	3.62	ng	#	1
70) Phenanthrene	11.05	178	43150	5.77	ng		99
74) Fluoranthene	12.23	202	78141	9.93	ng		99
77) Pyrene	12.23	202	78141	10.79	ng		98
80) Benzo(a)anthracene	13.63	228	31573	5.85	ng		96
82) Chrysene	13.67	228	25148	4.38	ng		98
85) Indeno(1,2,3-cd)pyrene	16.17	276	17891	4.38	ng		95
87) Benzo(b)fluoranthene	14.63	252	53383	8.57	ng	#	95
88) Benzo(k)fluoranthene	14.63	252	53383	9.32	ng		98
89) Benzo(a)pyrene	14.88	252	22195	3.97	ng		98
91) Benzo(g,h,i)perylene	16.53	276	17222	3.98	ng		93

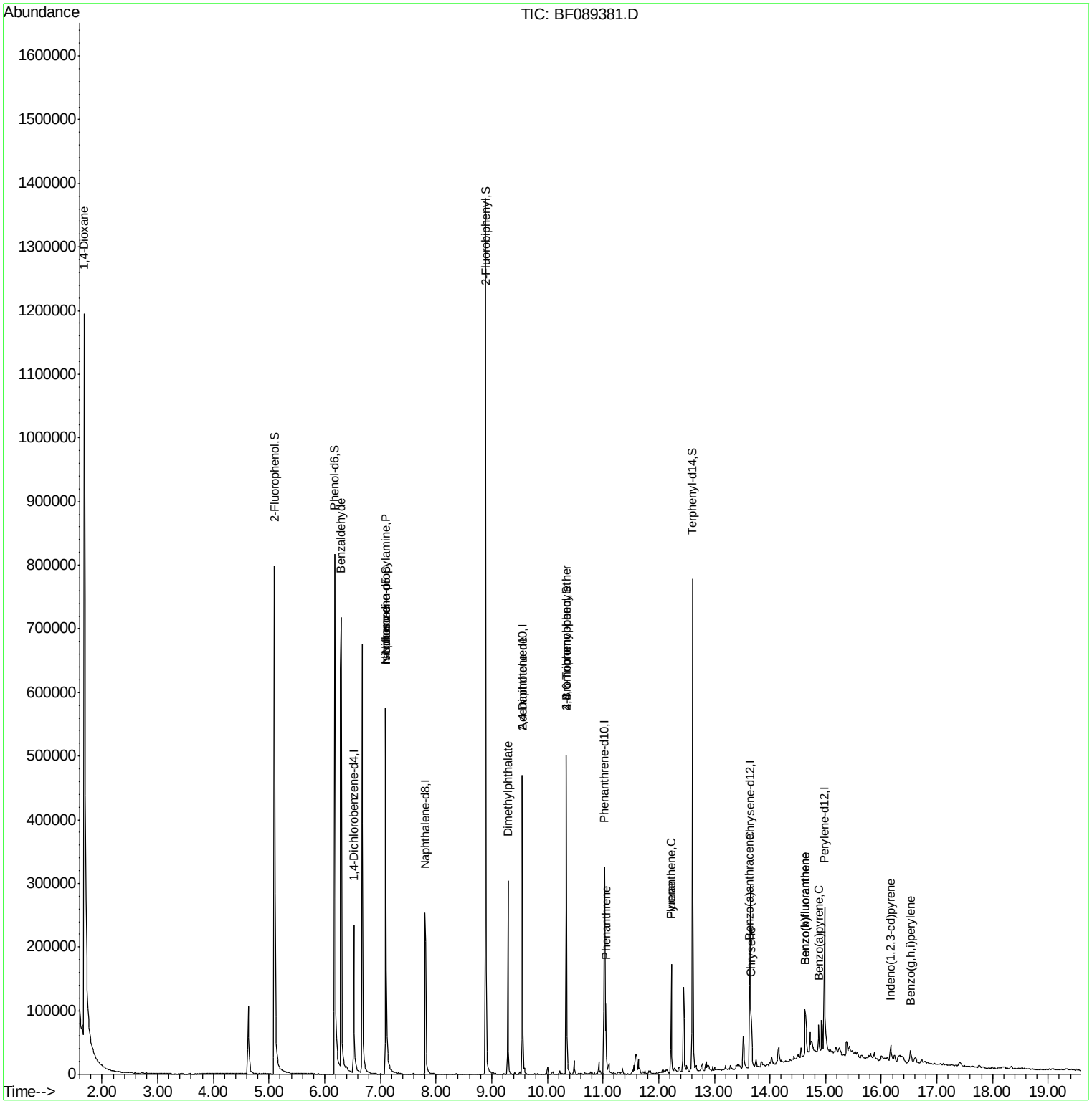
(#) = qualifier out of range (m) = manual integration (+) = signals summed

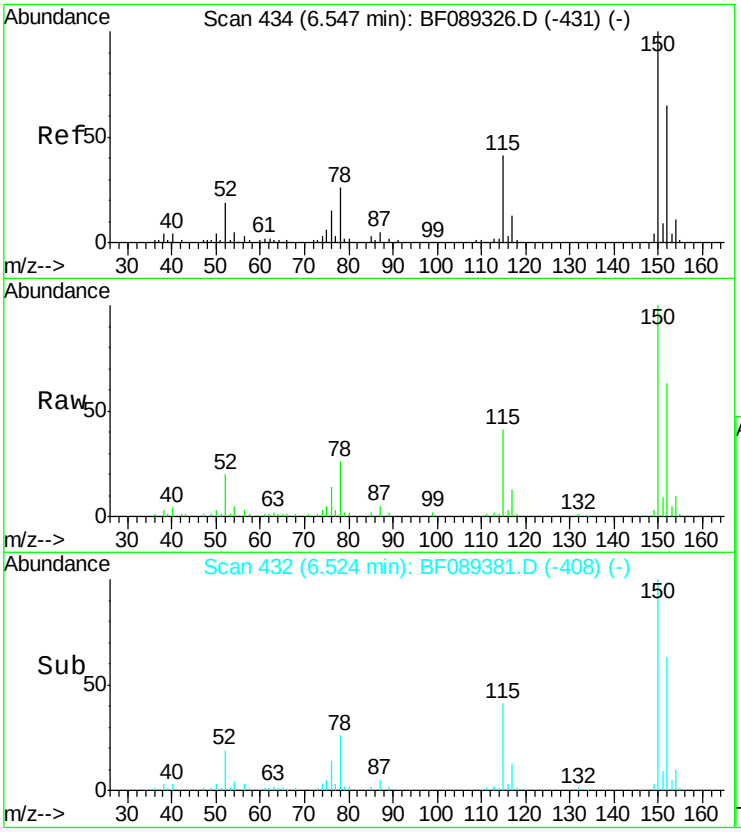
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089381.D
Acq On : 29 Jul 2016 00:10
Operator : UM/SJ
Sample : H4205-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Quant Time: Jul 29 01:19:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration



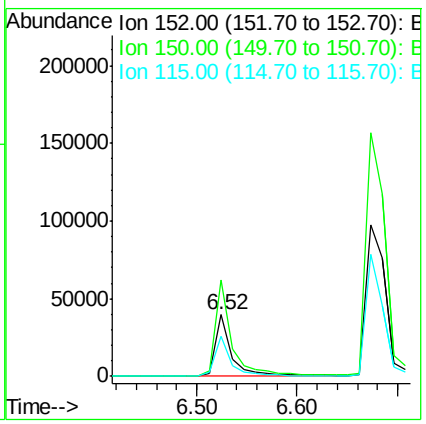


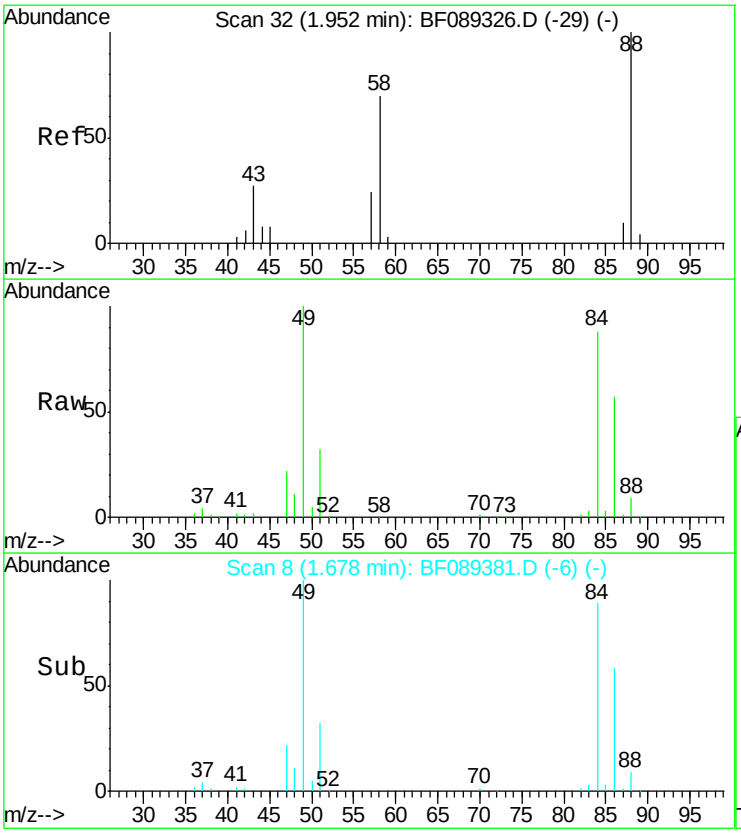
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:152 Resp: 46414

Ion	Ratio	Lower	Upper
152	100		
150	157.7	129.5	194.3
115	64.2	51.4	77.2

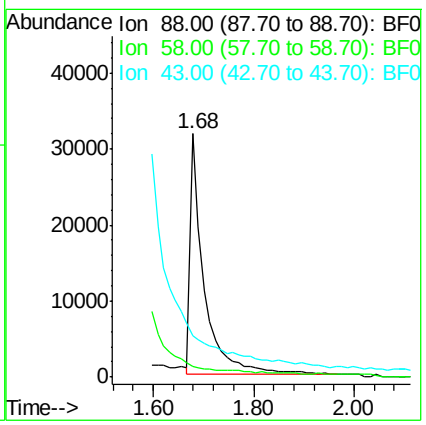


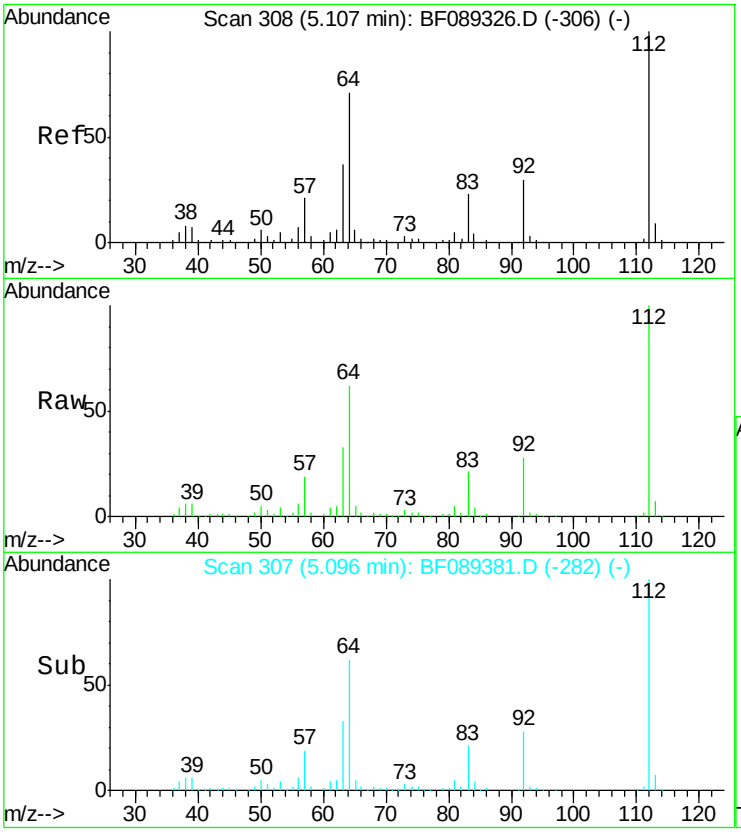


#2
1,4-Dioxane
Concen: 46.78 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion: 88 Resp: 60832

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



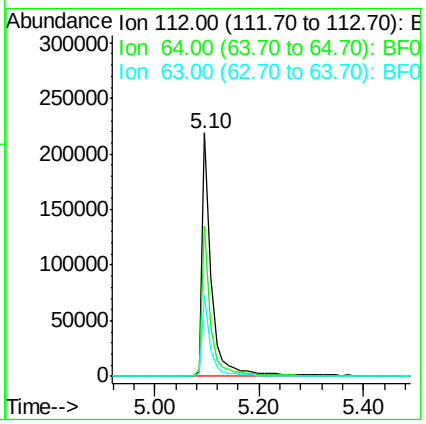


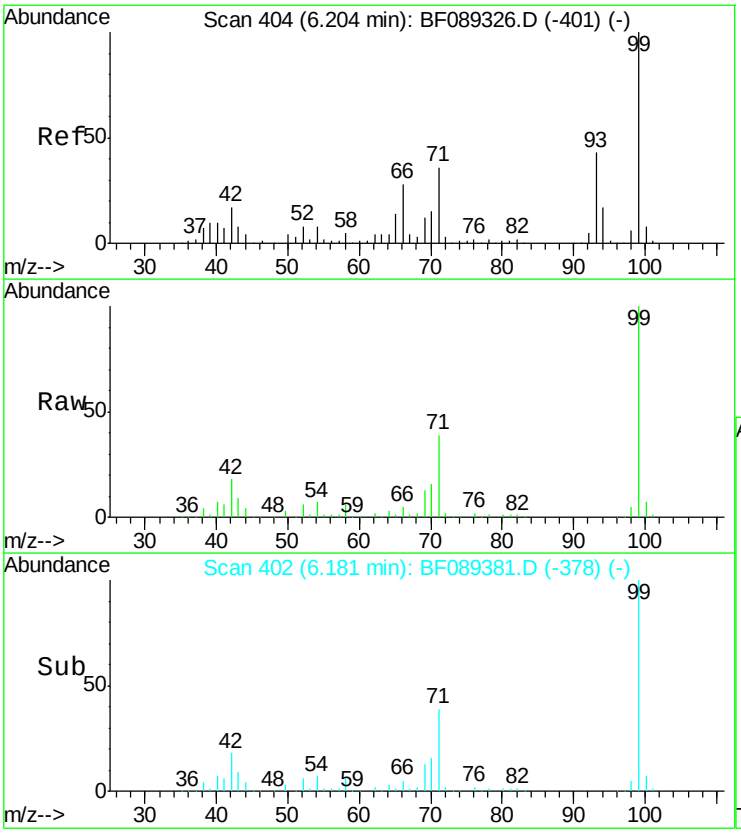
#5
2-Fluorophenol
Concen: 97.26 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:112 Resp: 282711

Ion	Ratio	Lower	Upper
112	100		
64	61.6	55.0	82.6
63	33.2	29.4	44.2

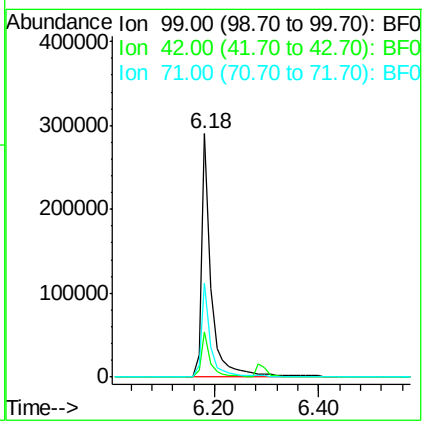


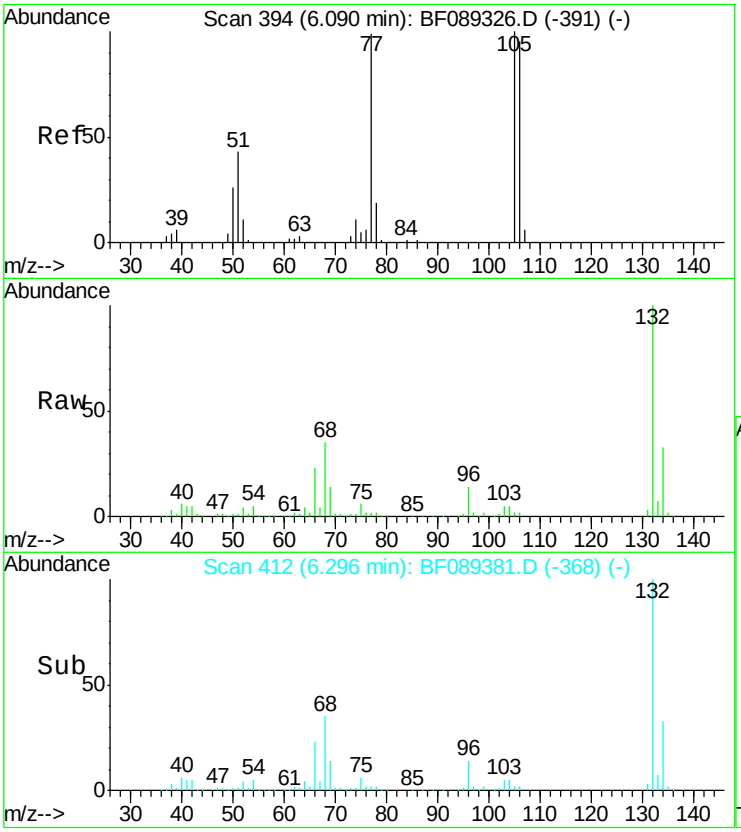


#7
Phenol-d6
Concen: 97.66 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion: 99 Resp: 375180

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.6	20.4
71	38.6	29.4	44.2



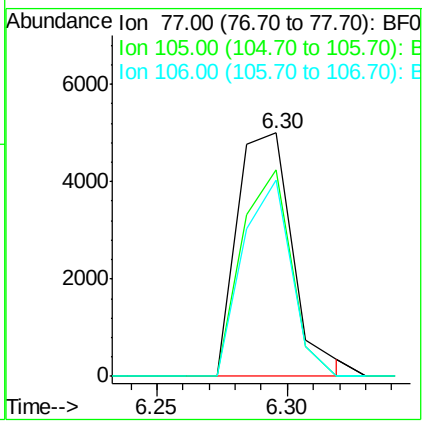


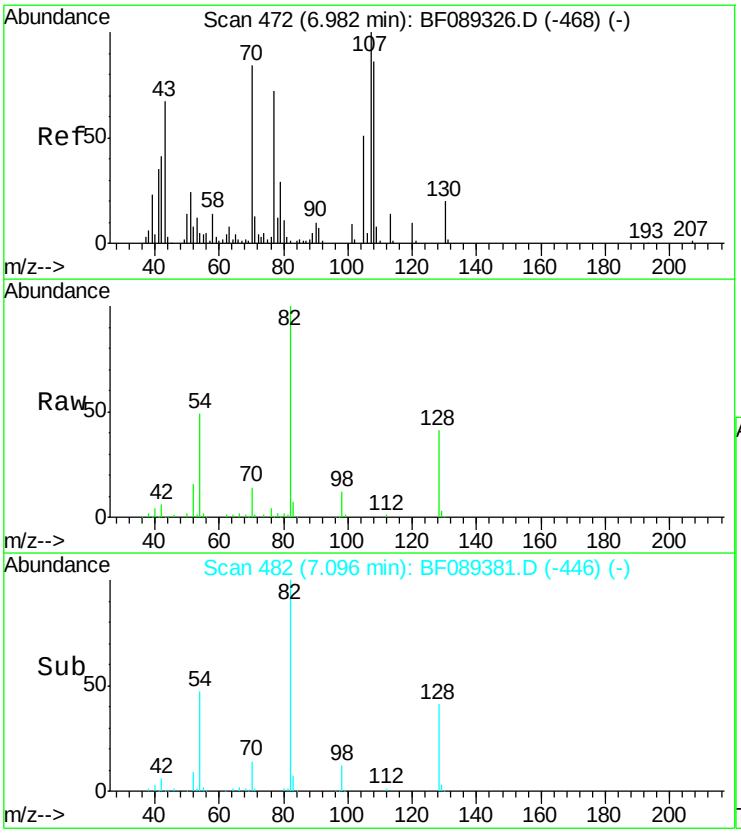
#9
Benzaldehyde
Concen: 3.97 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.21 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion: 77 Resp: 7449

Ion	Ratio	Lower	Upper
77	100		
105	84.9	82.9	122.9
106	80.6	75.9	115.9

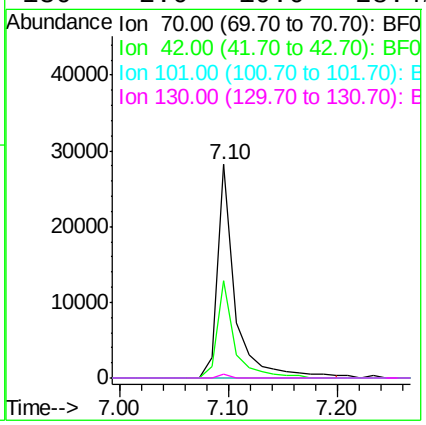


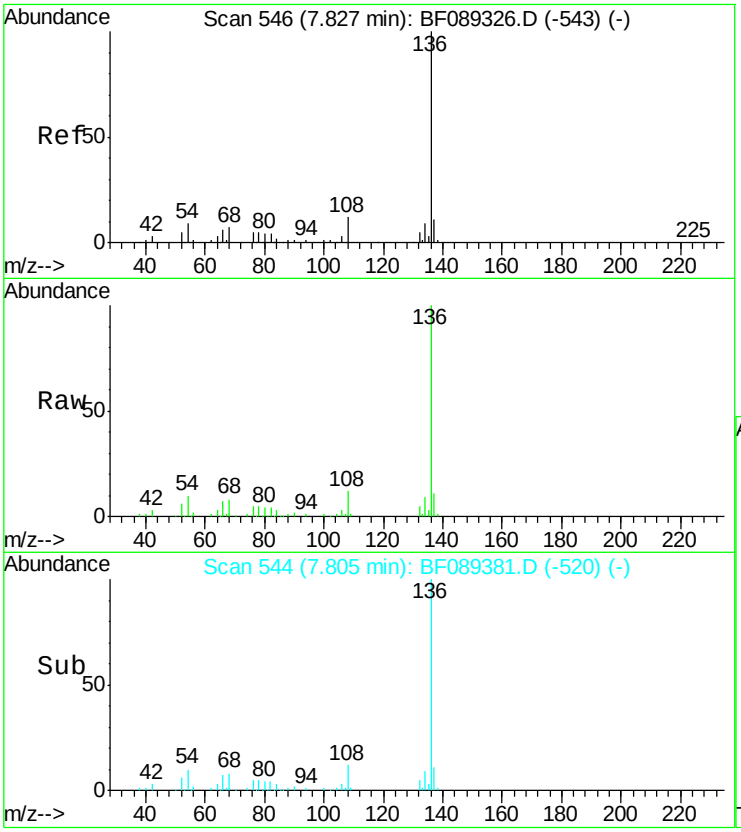


#19
n-Nitroso-di-n-propylamine
Concen: 13.93 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion: 70 Resp: 32275

Ion	Ratio	Lower	Upper
70	100		
42	45.4	38.6	57.8
101	0.0	8.3	12.5#
130	2.0	19.0	28.4#



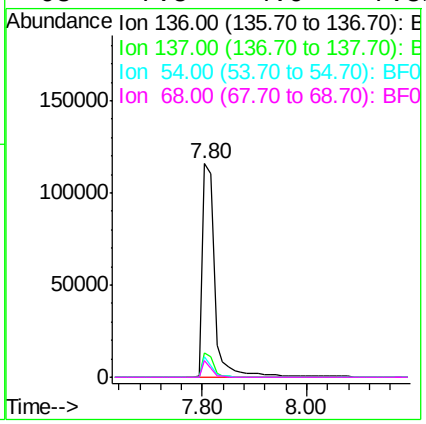


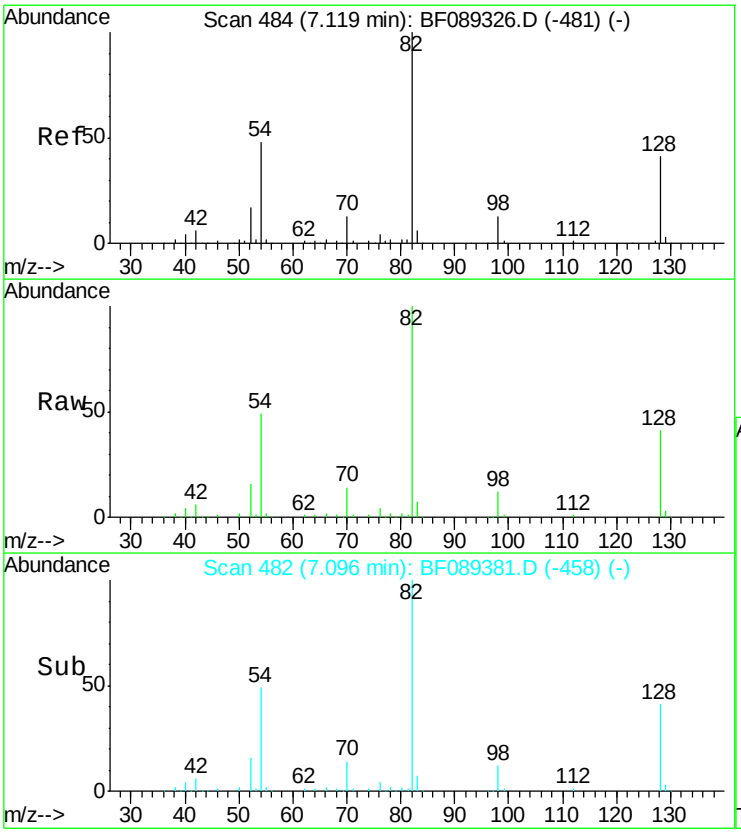
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:136 Resp: 192579

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.8	7.0	10.4
68	7.5	4.9	7.3#

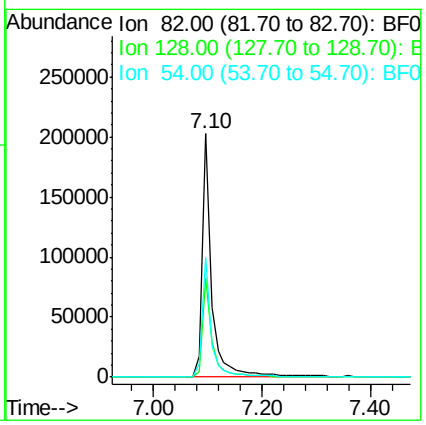


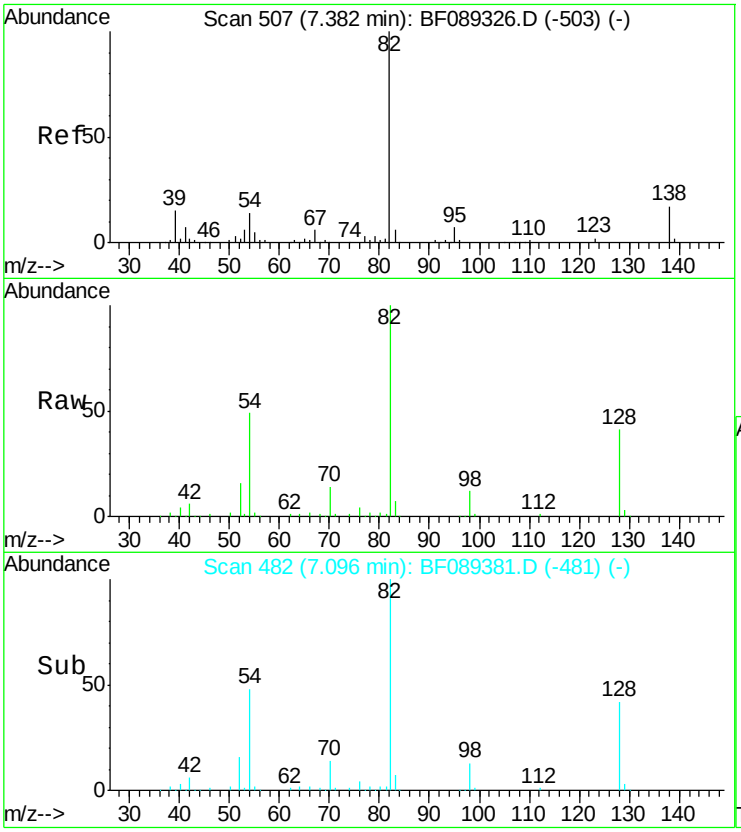


#23
Nitrobenzene-d5
Concen: 75.02 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion: 82 Resp: 244767

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.5	48.7
54	49.2	38.8	58.2



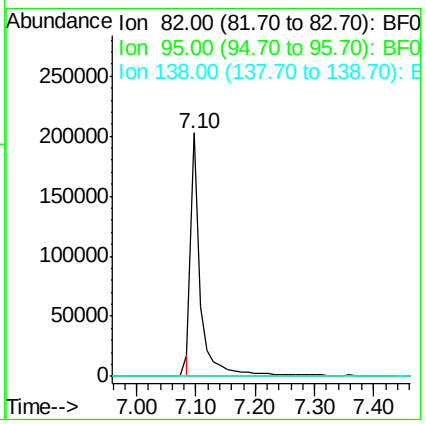


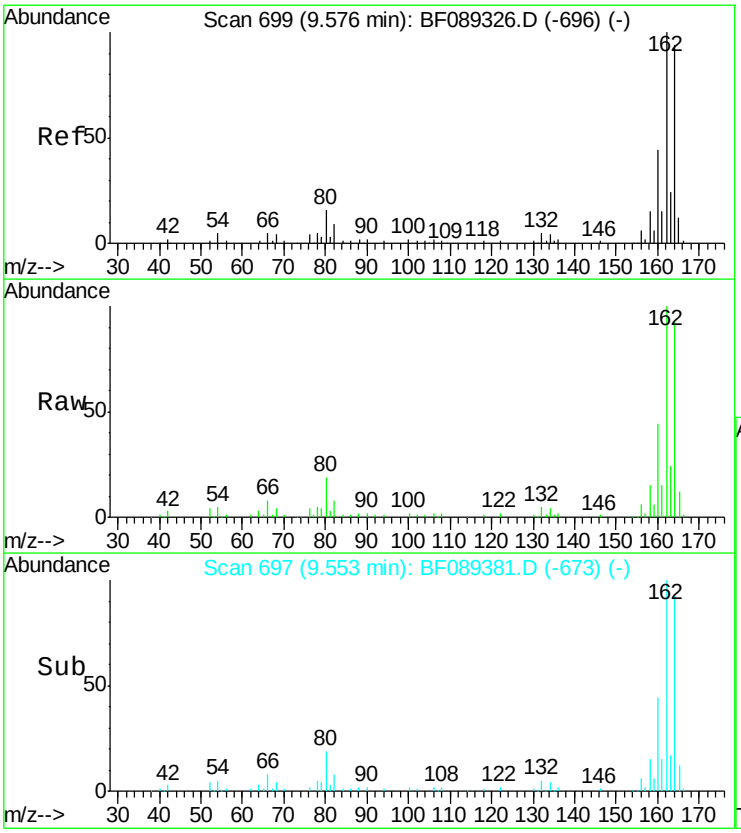
#25
Isophorone
Concen: 33.74 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.29 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion: 82 Resp: 221736

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	13.3	19.9#

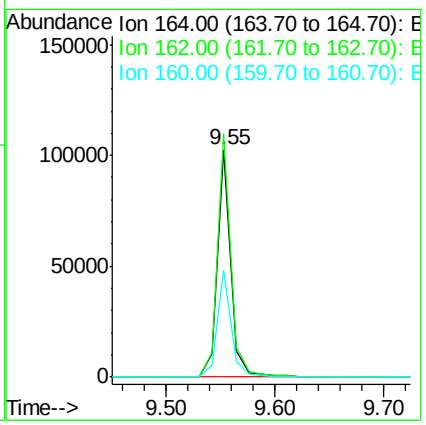


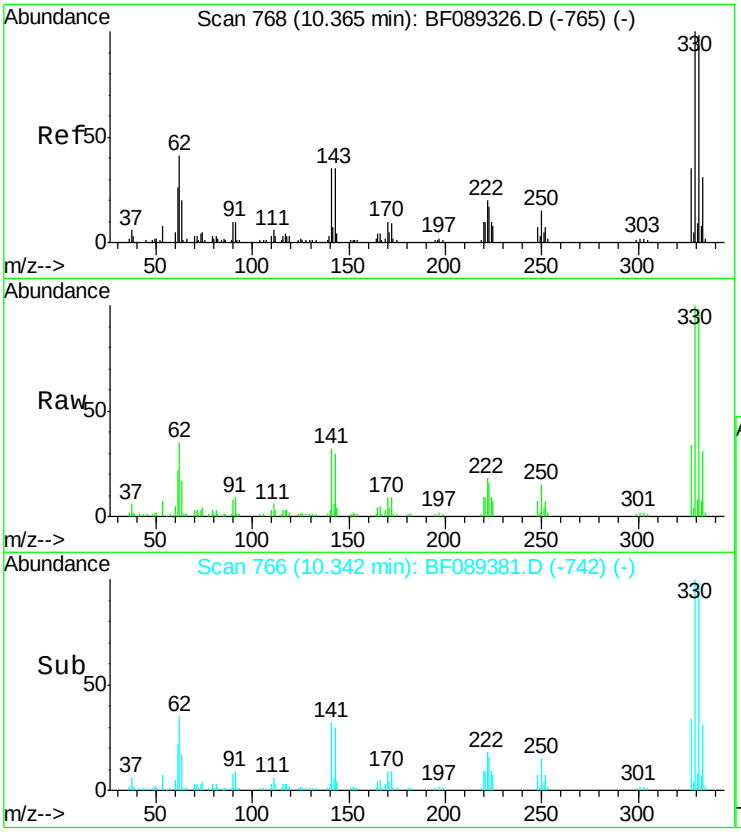


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:164 Resp: 89577

Ion	Ratio	Lower	Upper
164	100		
162	107.0	83.7	125.5
160	46.8	37.8	56.6



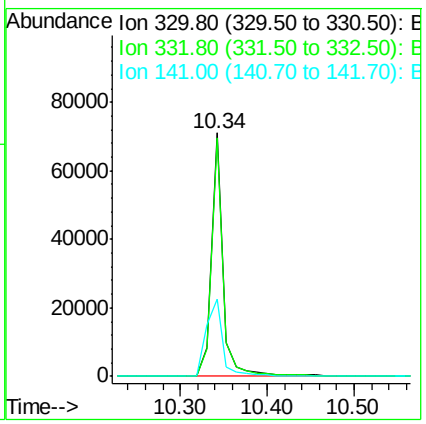


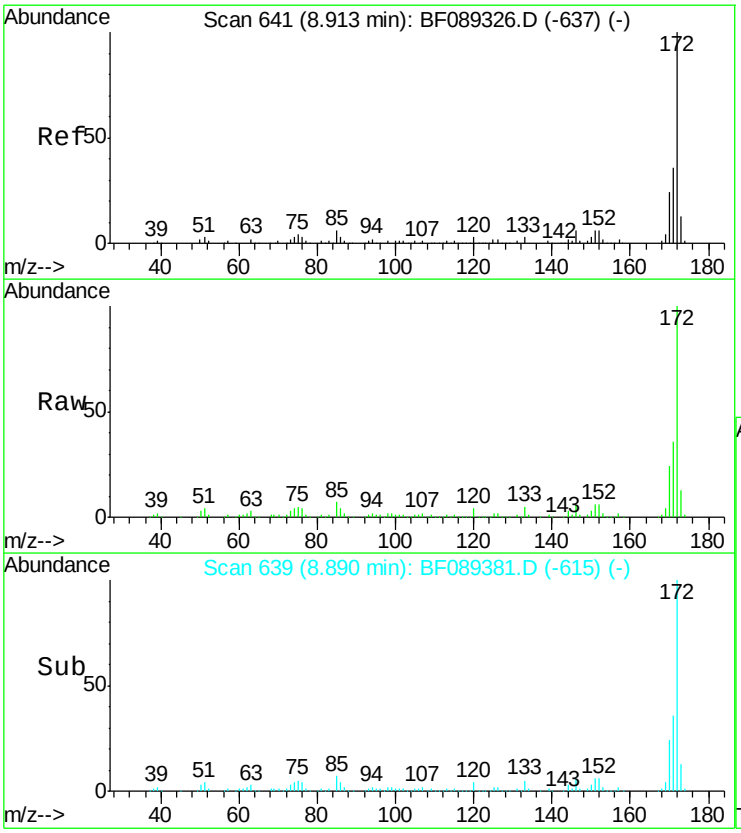
#41
2,4,6-Tribromophenol
Concen: 90.42 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:330 Resp: 67082

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.8	115.2
141	44.0	37.3	55.9

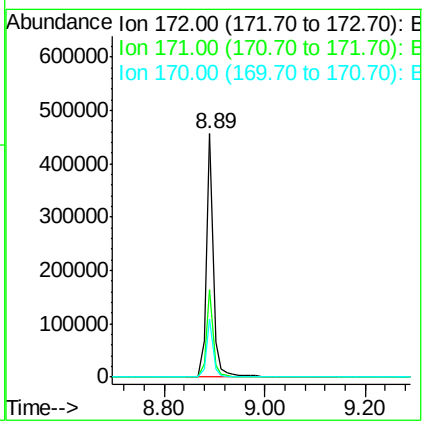


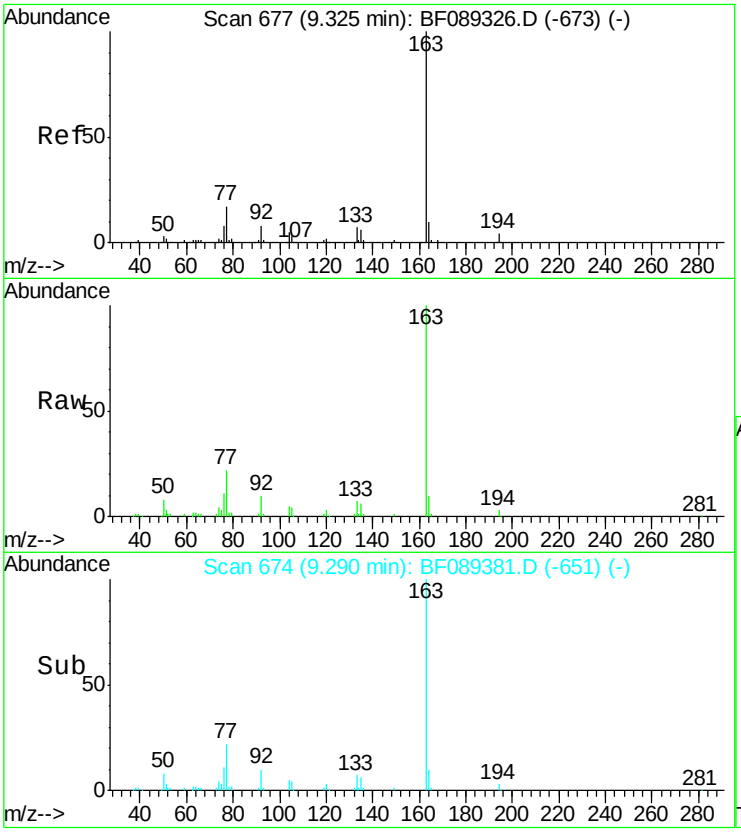


#44
2-Fluorobiphenyl
Concen: 72.29 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:172 Resp: 441268

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	23.7	19.2	28.8



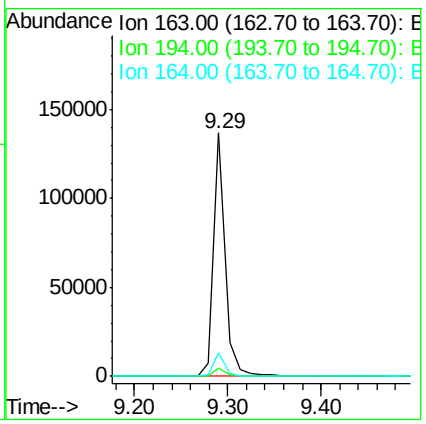


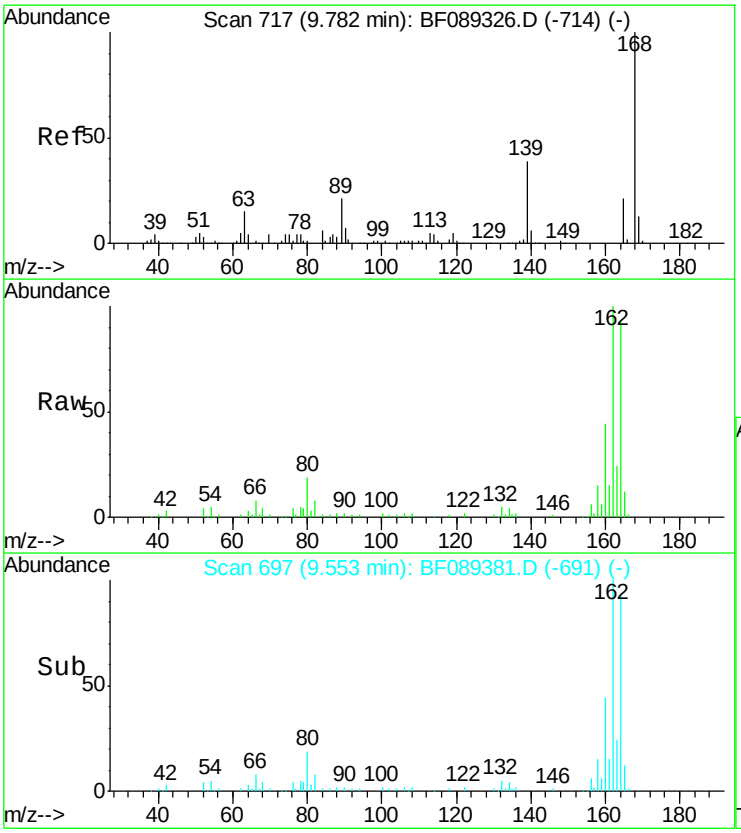
#49
Dimethylphthalate
Concen: 17.35 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:163 Resp: 118276

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	9.8	7.8	11.8

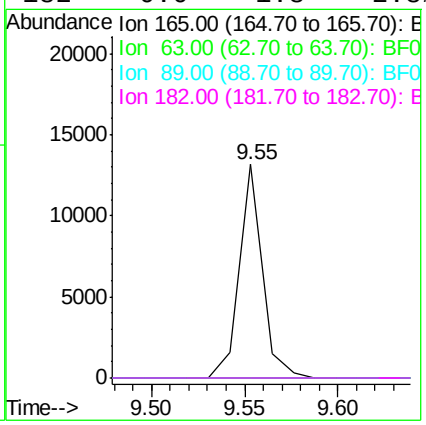


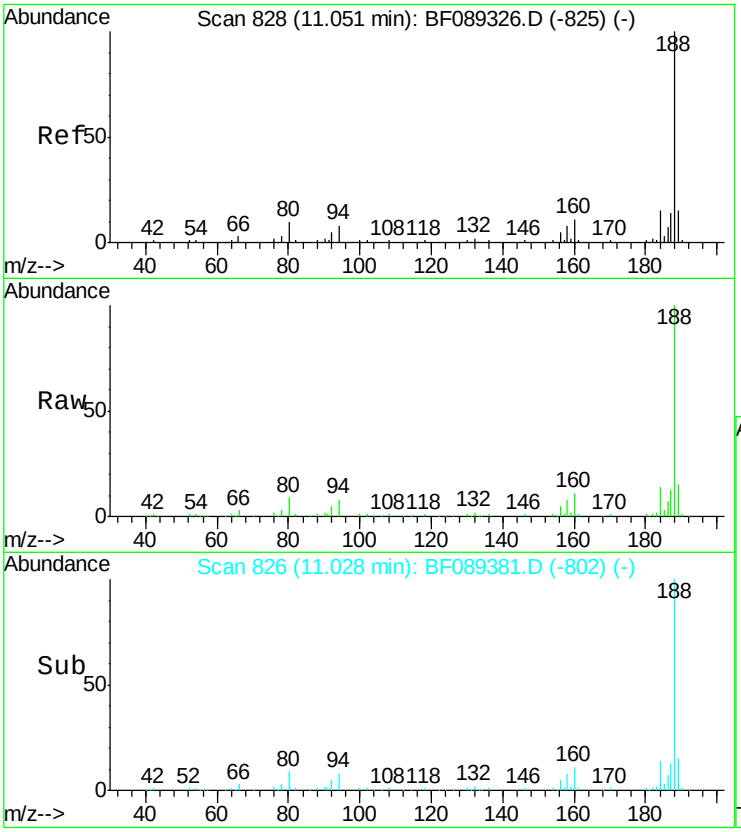


#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:165 Resp: 11372

Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#



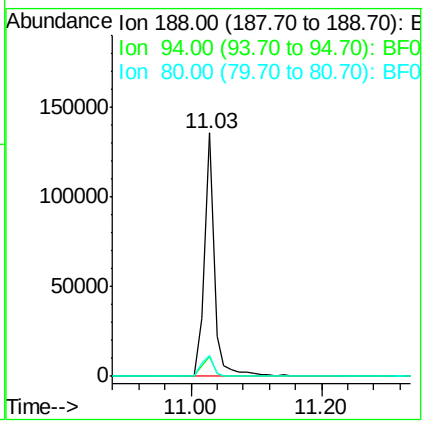


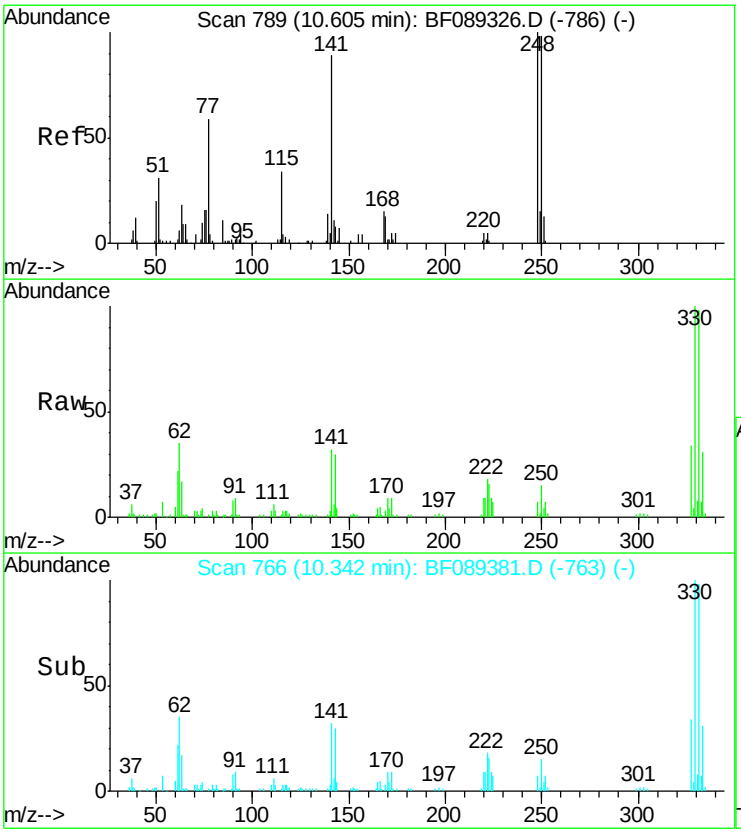
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:188 Resp: 144982

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	8.7	7.2	10.8

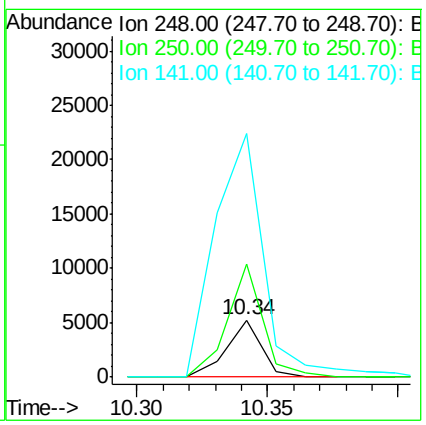


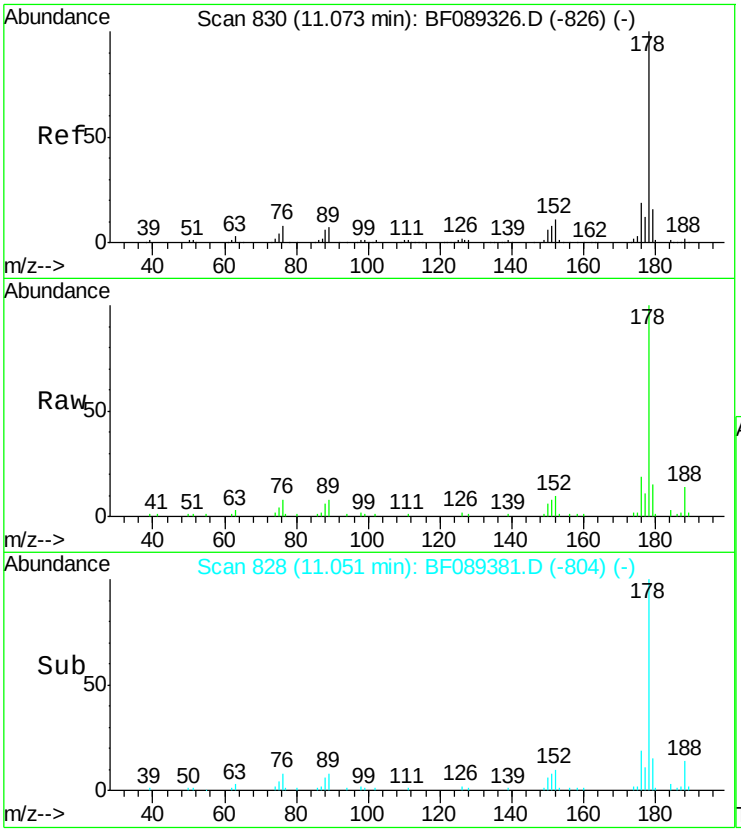


#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:248 Resp: 5013

Ion	Ratio	Lower	Upper
248	100		
250	198.9	78.2	117.2#
141	426.1	62.0	93.0#



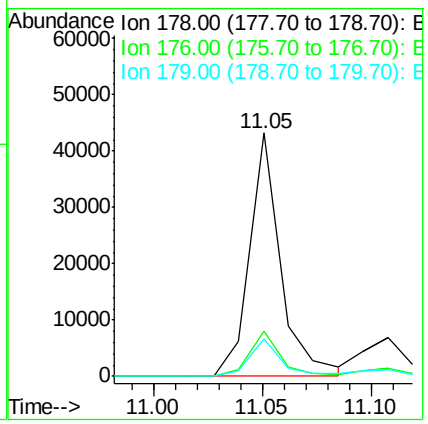


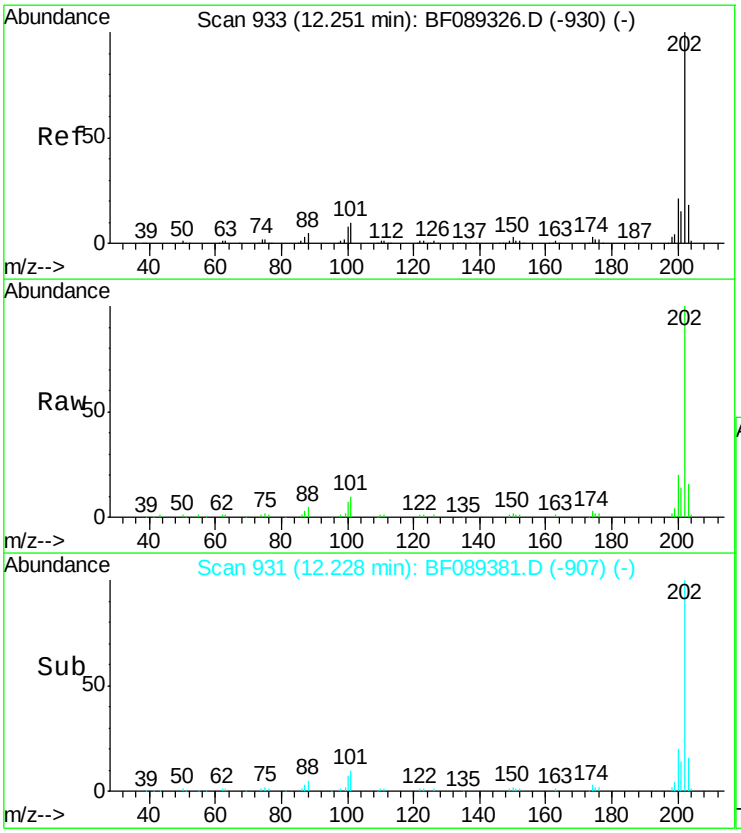
#70
Phenanthrene
Concen: 5.77 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:178 Resp: 43150

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.2	12.3	18.5

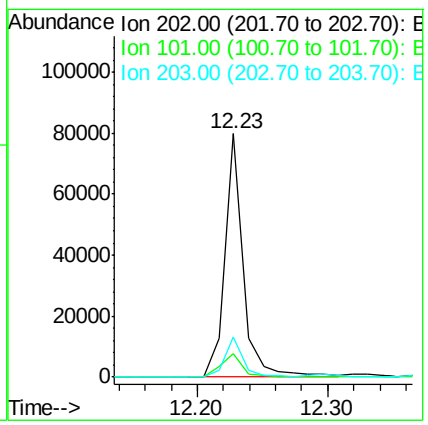


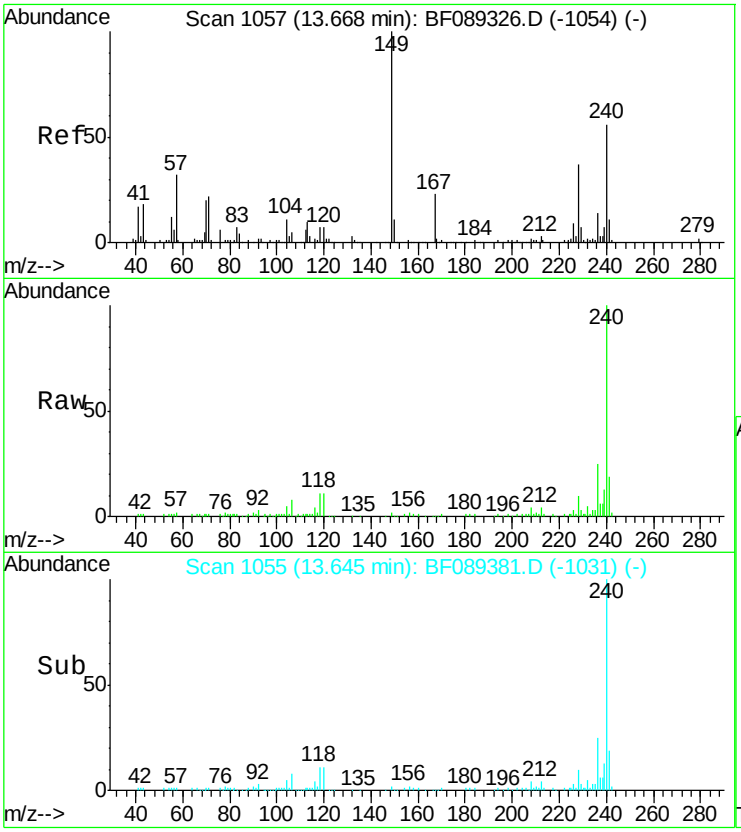


#74
Fluoranthene
Concen: 9.93 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:202 Resp: 78141

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.9
203	16.5	0.0	37.3



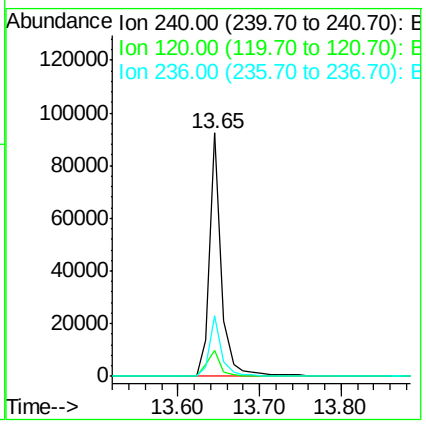


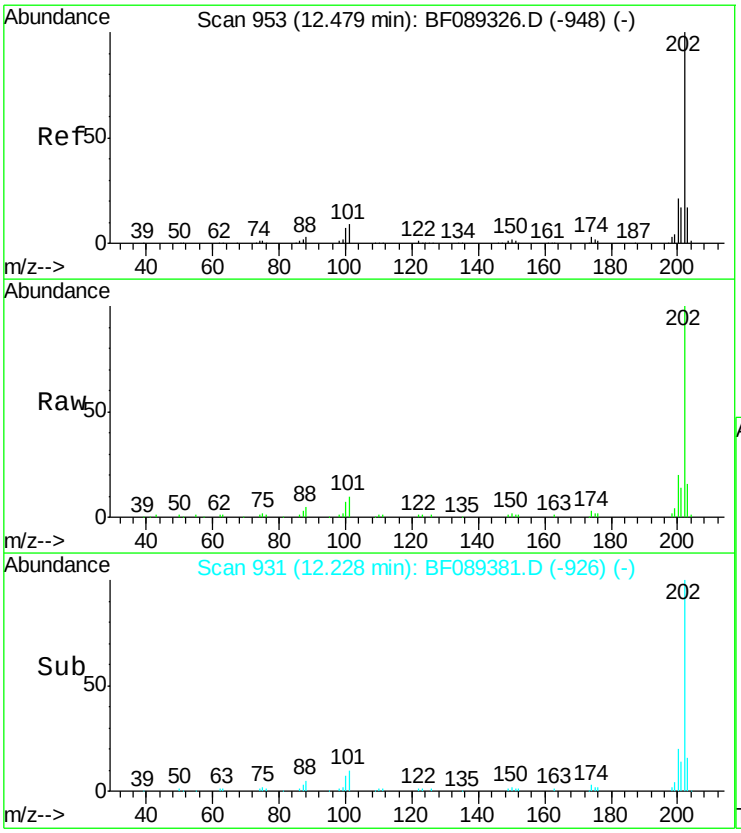
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:240 Resp: 95582

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.1	13.7
236	24.7	20.6	30.8

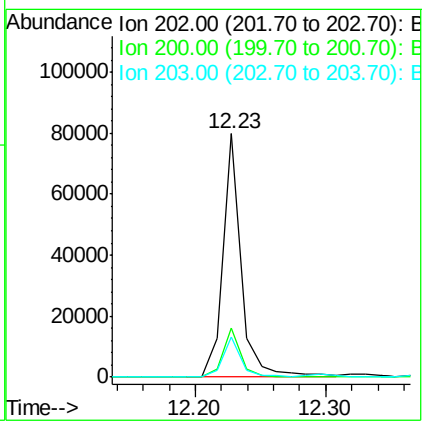


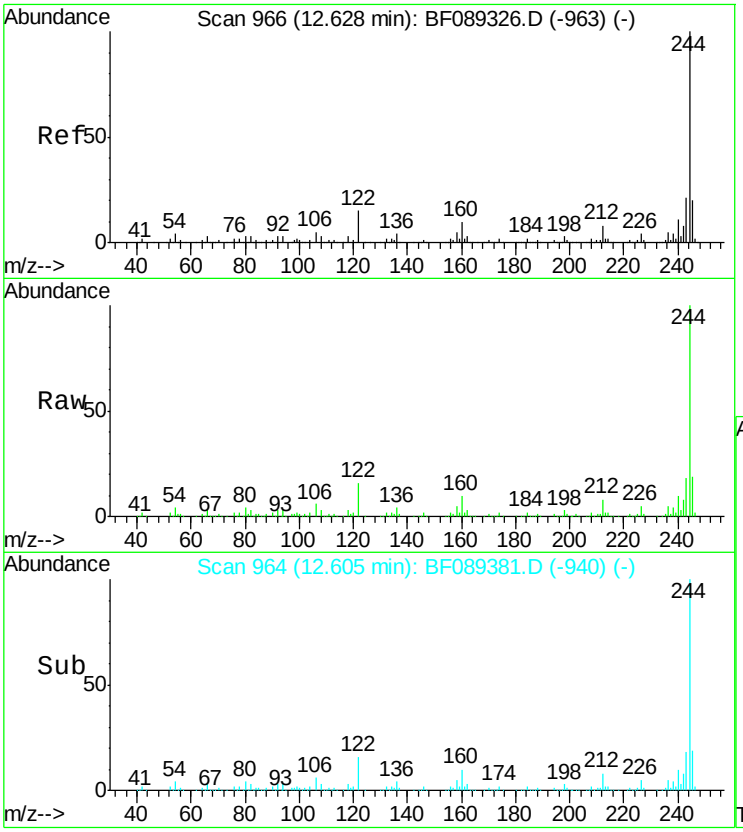


#77
Pyrene
Concen: 10.79 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.24 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:202 Resp: 78141

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.9	25.3
203	16.5	14.0	21.0



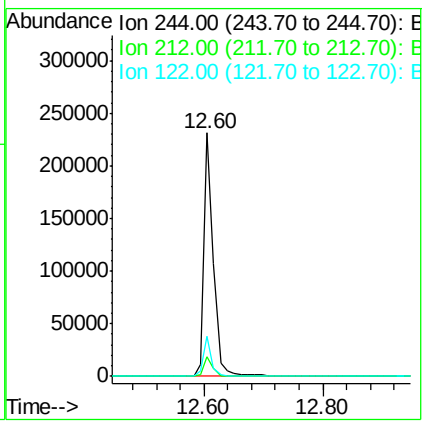


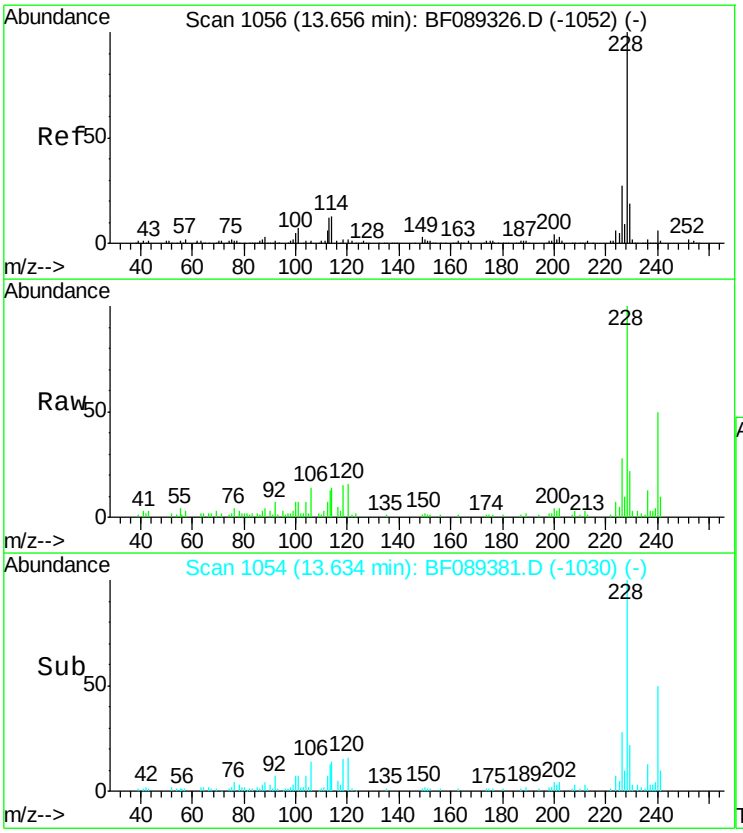
#78
Terphenyl-d14
Concen: 63.91 ng
RT: 12.60 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:244 Resp: 261004

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	16.5	11.4	17.0

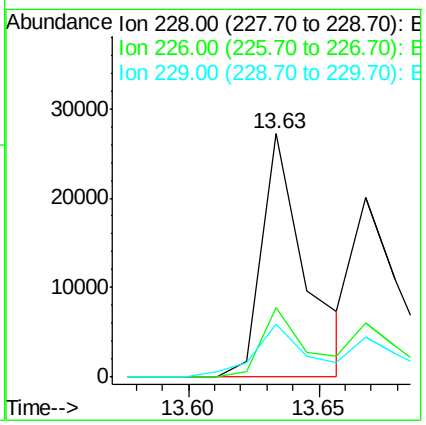


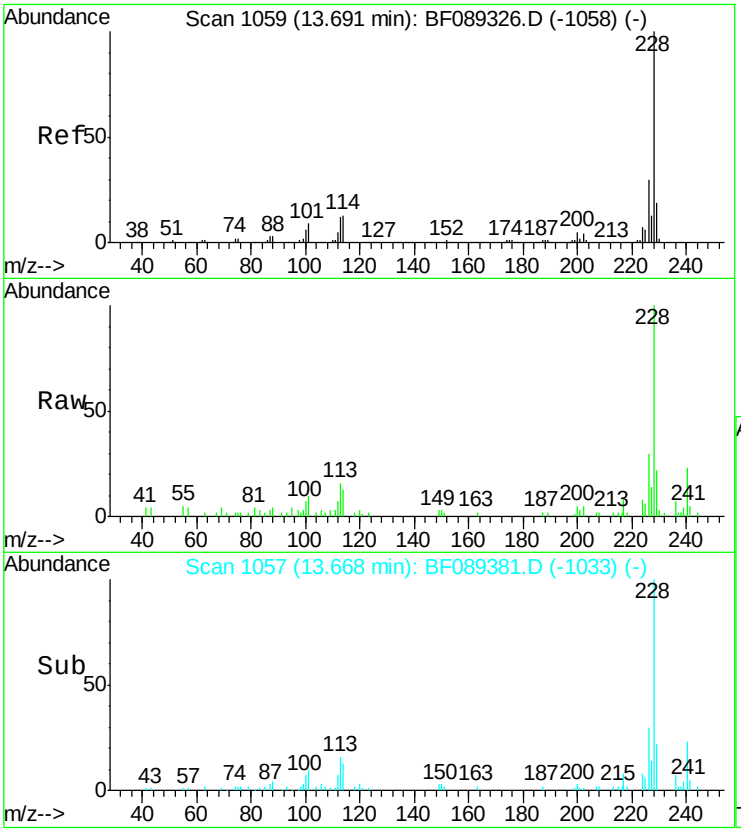


#80
Benzo(a)anthracene
Concen: 5.85 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:228 Resp: 31573

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.2
229	21.9	15.9	23.9



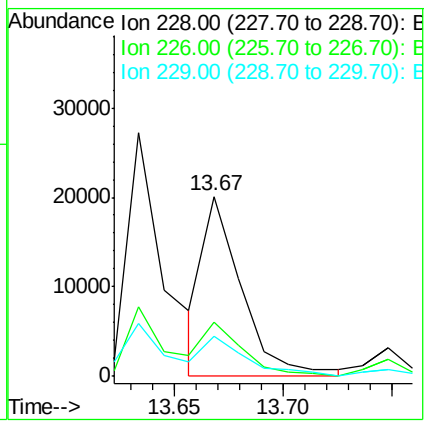


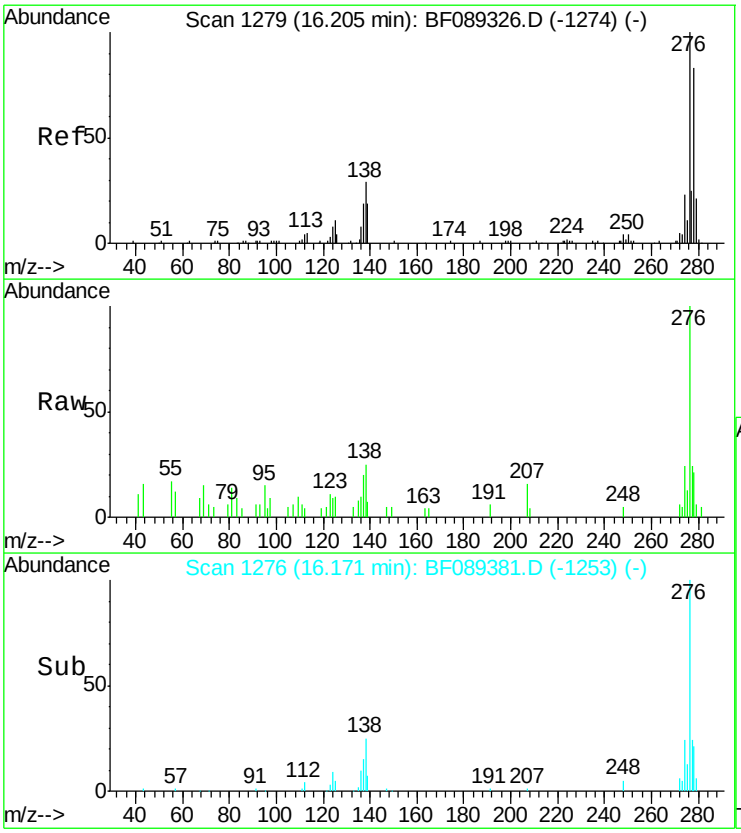
#82
Chrysene
Concen: 4.38 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:228 Resp: 25148

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	22.1	15.9	23.9

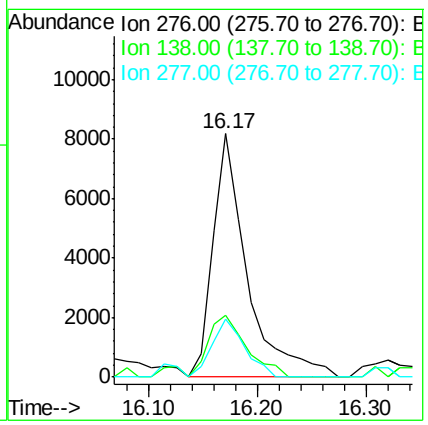


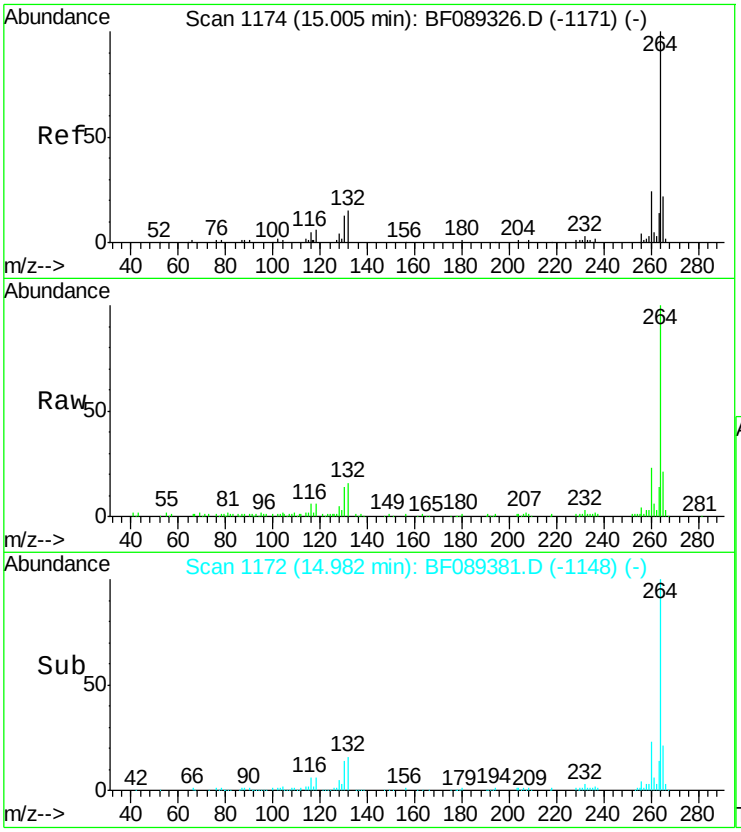


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.38 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:276 Resp: 17891

Ion	Ratio	Lower	Upper
276	100		
138	30.9	23.0	34.4
277	22.8	20.2	30.4



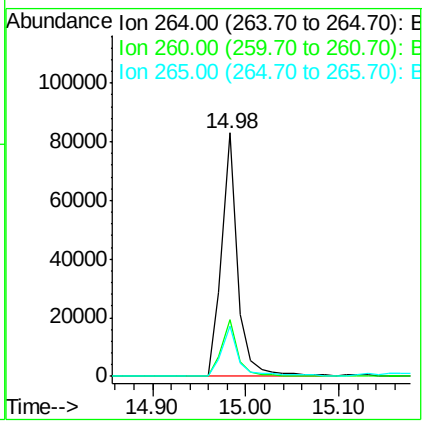


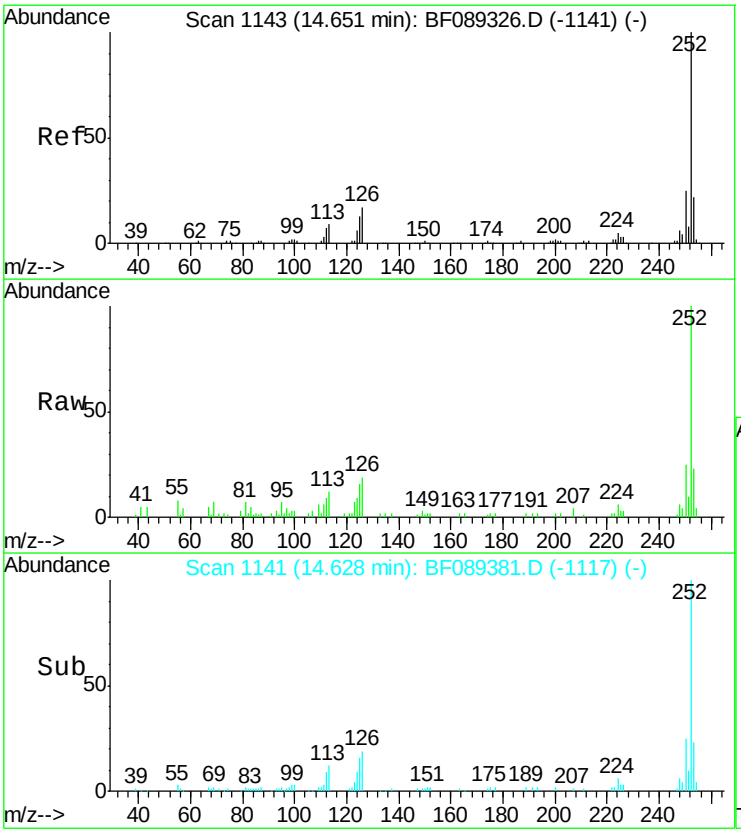
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:264 Resp: 100333

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	20.8	17.5	26.3

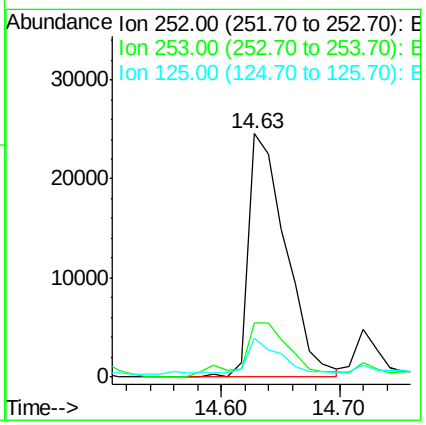


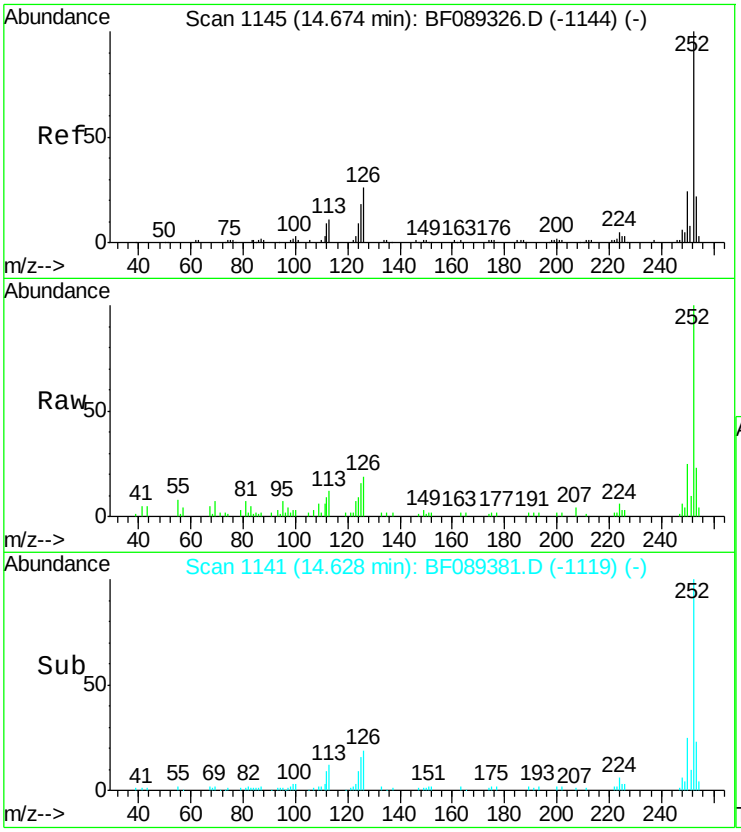


#87
Benzo(b)fluoranthene
Concen: 8.57 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:252 Resp: 53383

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	15.7	9.7	14.5#



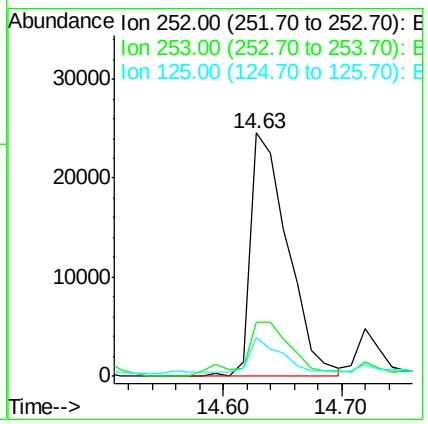


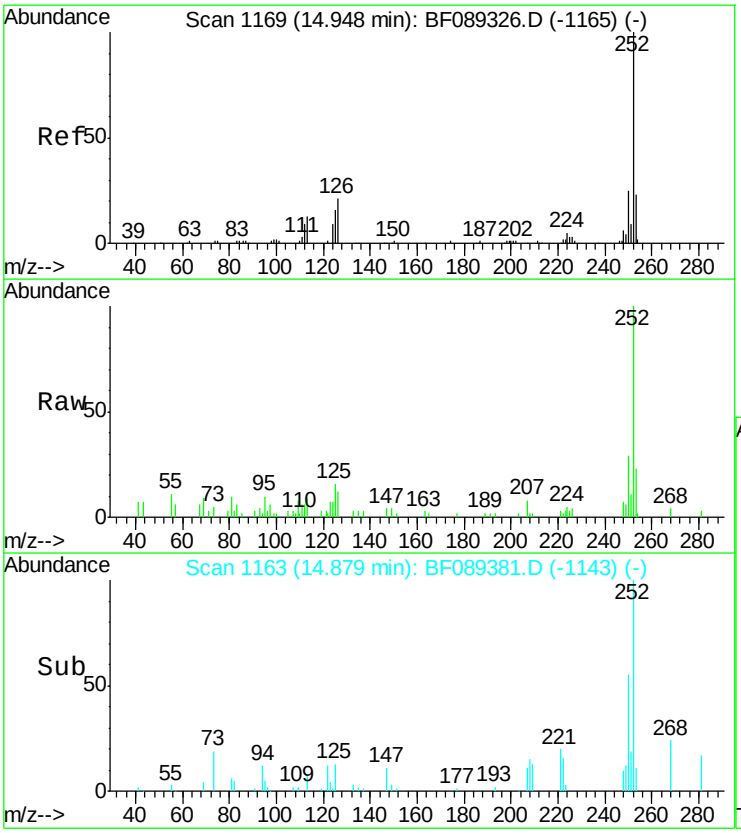
#88
Benzo(k)fluoranthene
Concen: 9.32 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.05 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:252 Resp: 53383

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	15.7	10.7	16.1

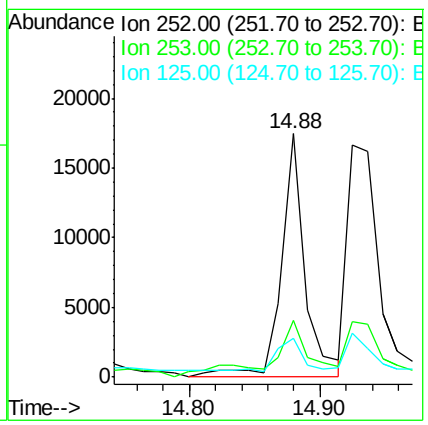


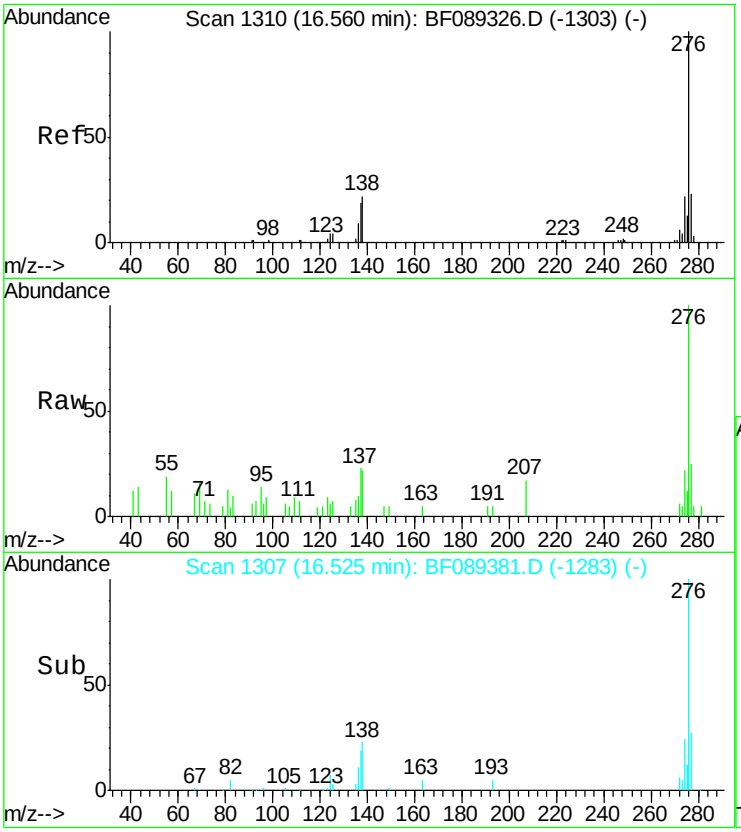


#89
Benzo(a)pyrene
Concen: 3.97 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.07 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Tgt Ion:252 Resp: 22195

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	15.7	12.4	18.6





#91
Benzo(g,h,i)perylene
Concen: 3.98 ng
RT: 16.53 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF089381.D
Acq: 29 Jul 2016 00:10

Instrument :
BNA_F
ClientSampleId :
SB-38-0.5-1.5

Tgt Ion:276 Resp: 17222

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	22.0	21.4	32.0