Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089379.D
Acq On : 28 Jul 2016 23:12
Operator : UM/SJ
Sample : H4205-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-40-4.0-5.0

Quant Time: Jul 29 01:18:27 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	48884	20.00	ng		-0.02
21) Naphthalene-d8	7.82	136	198826	20.00	ng		-0.01
38) Acenaphthene-d10	9.55	164	94368	20.00	ng		-0.02
63) Phenanthrene-d10	11.03	188	160566	20.00	ng		-0.02
75) Chrysene-d12	13.65	240	97011	20.00	ng		-0.02
86) Perylene-d12	14.98	264	99133	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	357700	116.84	ng		-0.01
7) Phenol-d6	6.18	99	499462	123.45	ng		-0.02
23) Nitrobenzene-d5	7.10	82	307572	91.31	ng		-0.02
41) 2,4,6-Tribromophenol	10.34	330	89306	114.26	ng		-0.02
44) 2-Fluorobiphenyl	8.89	172	485662	75.53	ng		-0.02
78) Terphenyl-d14	12.61	244	290936	70.19	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	57501	41.59	ng	#	26
9) Benzaldehyde	6.30	77	10245	5.19	ng		84
19) n-Nitroso-di-n-propylamine	7.10	70	41163	16.87	ng	#	81
49) Dimethylphthalate	9.29	163	143627	20.00	ng		99
56) 2,4-Dinitrotoluene	9.55	165	11922	6.14	ng	#	7
66) 4-Bromophenyl-phenylether	10.34	248	7032	4.59	ng	#	1
70) Phenanthrene	11.05	178	22750	2.75	ng		99
74) Fluoranthene	12.23	202	38468	4.42	ng		99
77) Pyrene	12.46	202	33492	4.56	ng		99
80) Benzo(a)anthracene	13.63	228	16463	3.01	ng		97
82) Chrysene	13.67	228	12663	2.17	ng		99
85) Indeno(1,2,3-cd)pyrene	16.17	276	8316	2.01	ng		92
87) Benzo(b)fluoranthene	14.64	252	23292	3.78	ng	#	94
88) Benzo(k)fluoranthene	14.64	252	23292	4.12	ng	#	97
89) Benzo(a)pyrene	14.93	252	14051	2.54	ng		97

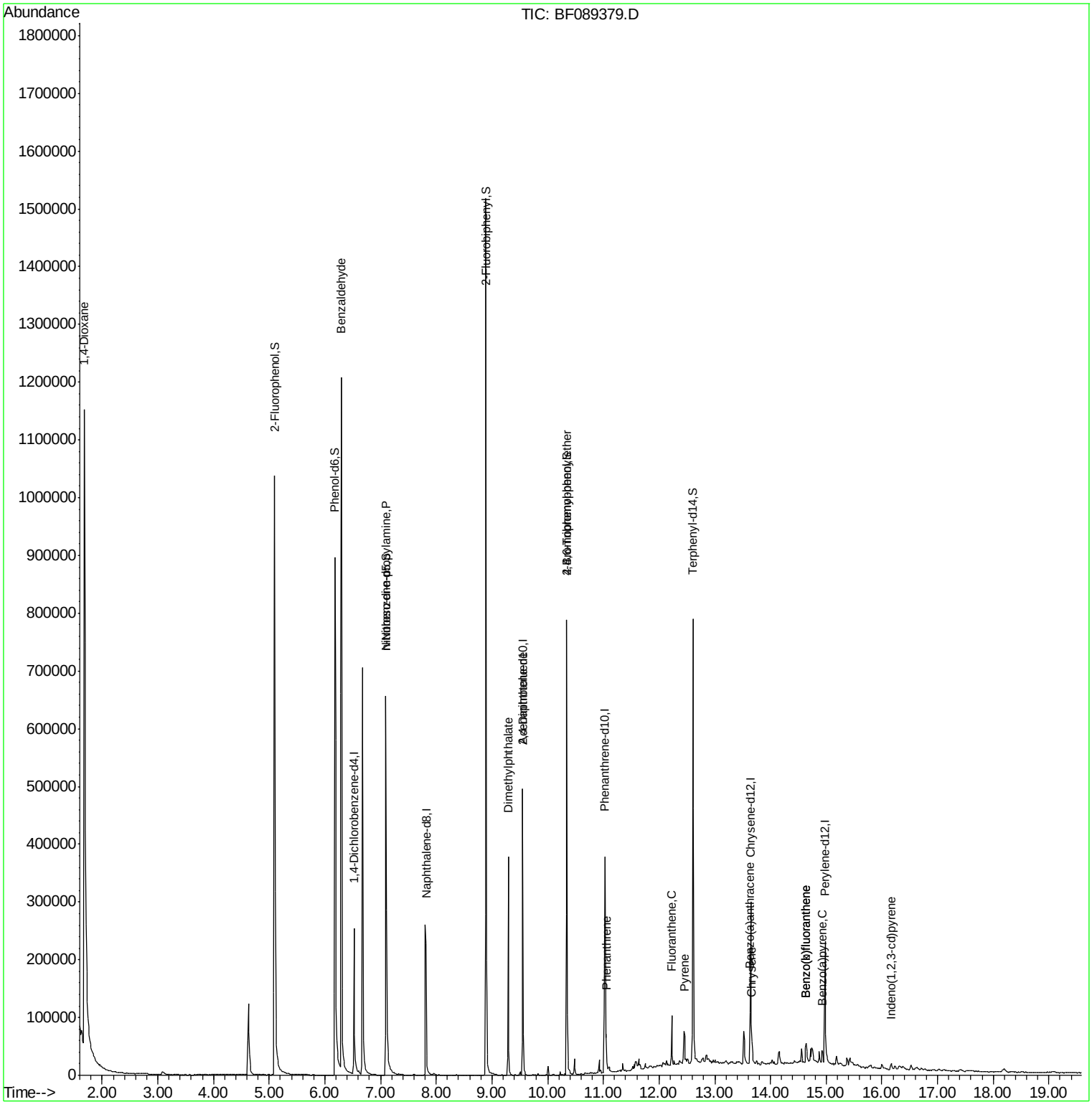
(#) = qualifier out of range (m) = manual integration (+) = signals summed

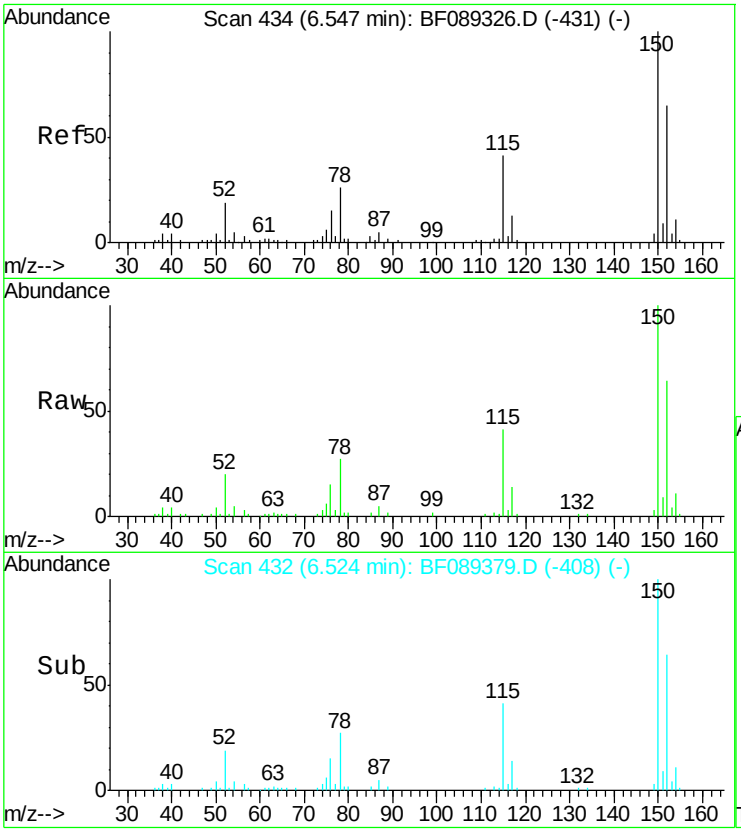
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089379.D
Acq On : 28 Jul 2016 23:12
Operator : UM/SJ
Sample : H4205-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Quant Time: Jul 29 01:18:27 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



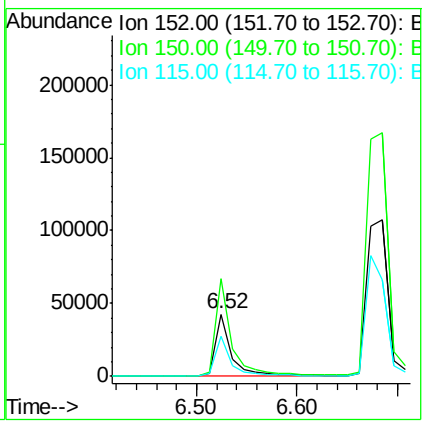


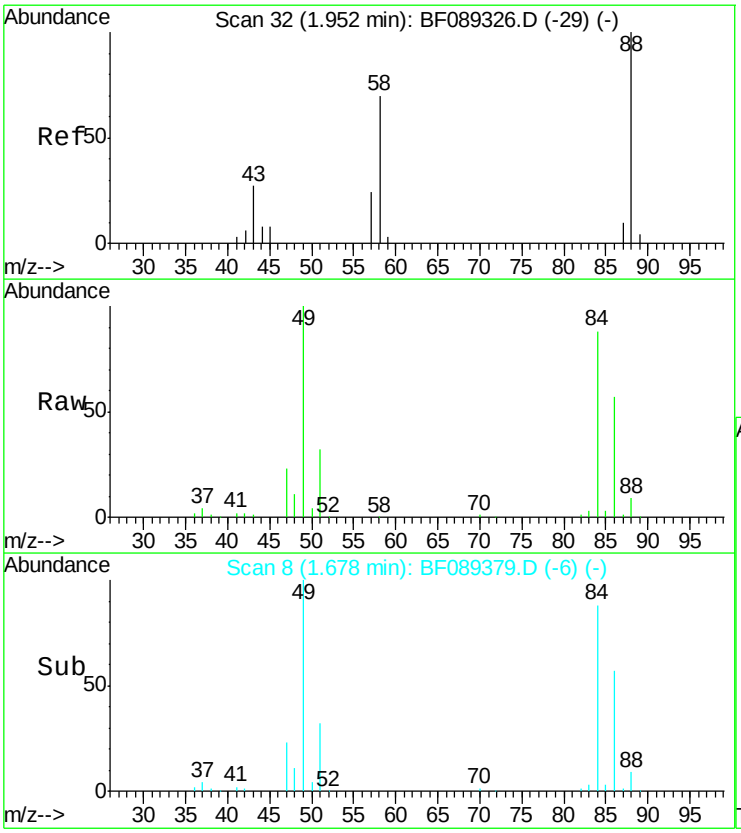
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:152 Resp: 48884

Ion	Ratio	Lower	Upper
152	100		
150	156.1	129.5	194.3
115	64.4	51.4	77.2

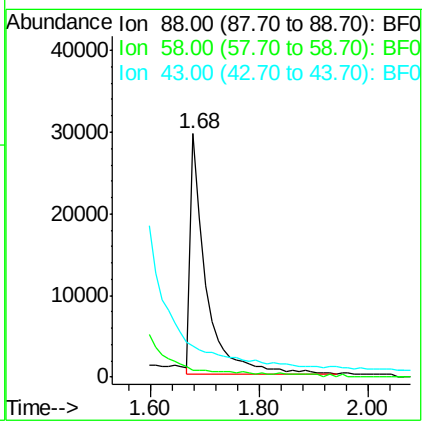


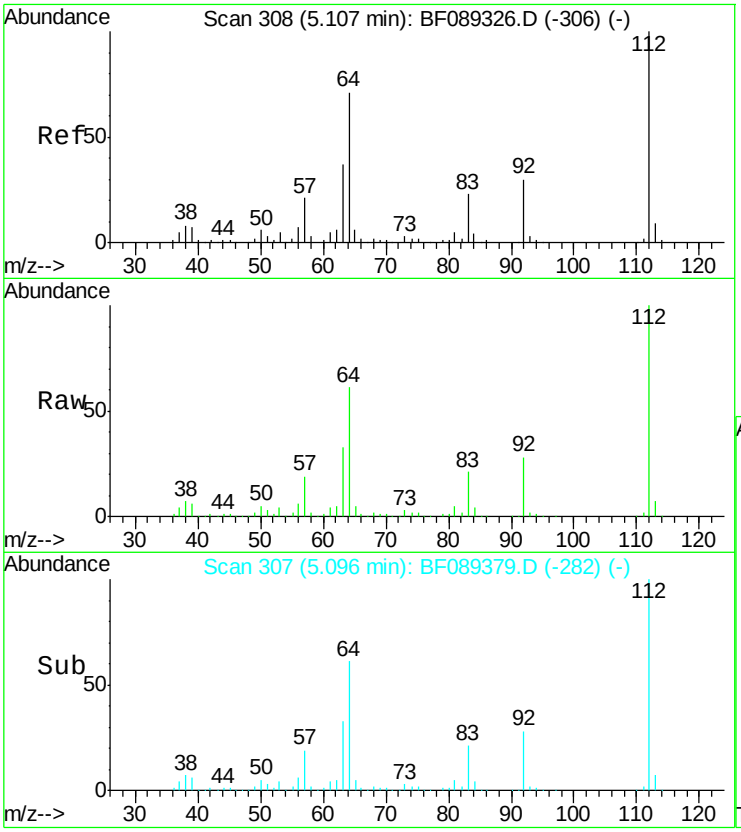


#2
1,4-Dioxane
Concen: 41.59 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion: 88 Resp: 57501

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



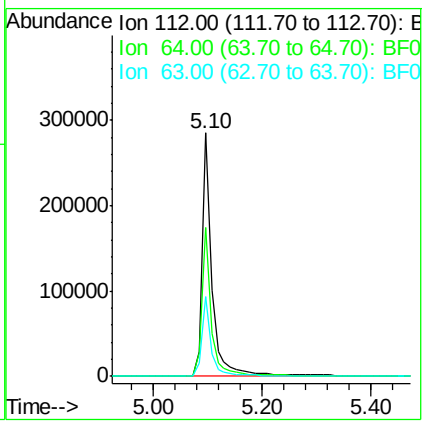


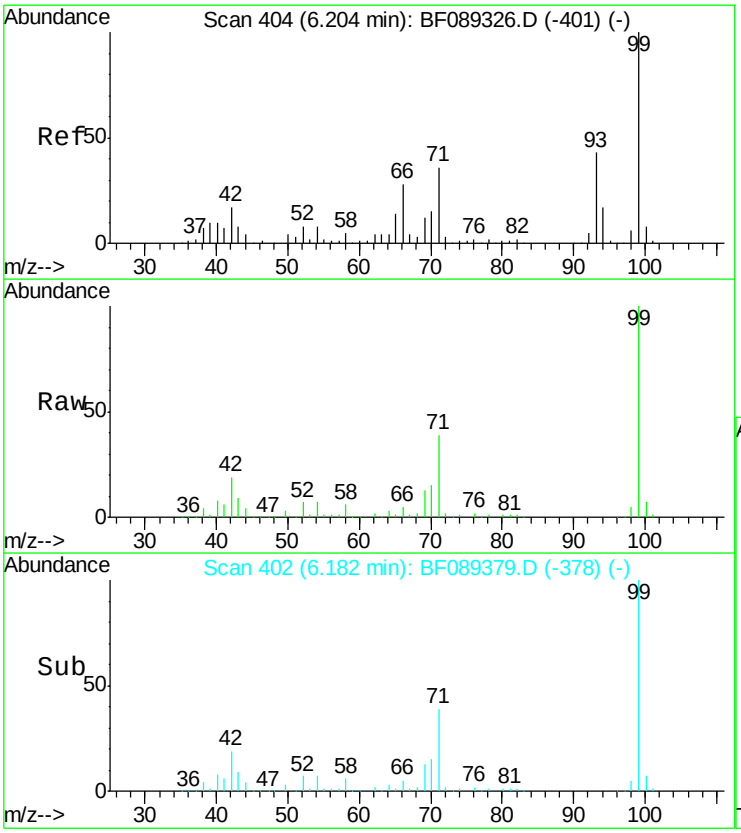
#5
2-Fluorophenol
Concen: 116.84 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:112 Resp: 357700

Ion	Ratio	Lower	Upper
112	100		
64	61.3	55.0	82.6
63	32.8	29.4	44.2

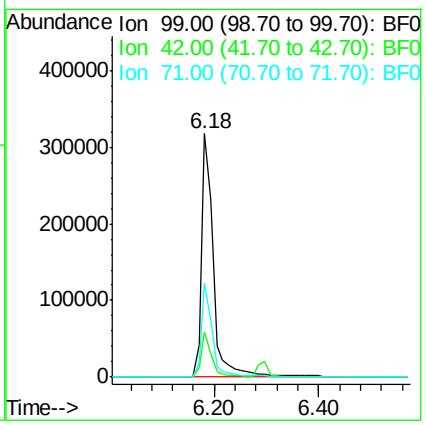


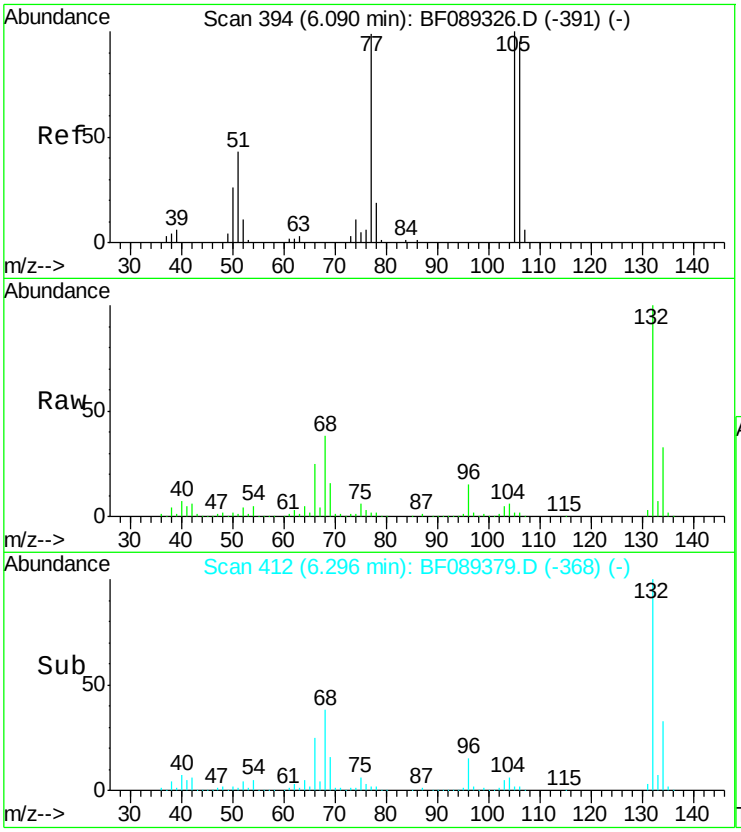


#7
Phenol-d6
Concen: 123.45 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion: 99 Resp: 499462

Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.6	20.4
71	38.6	29.4	44.2



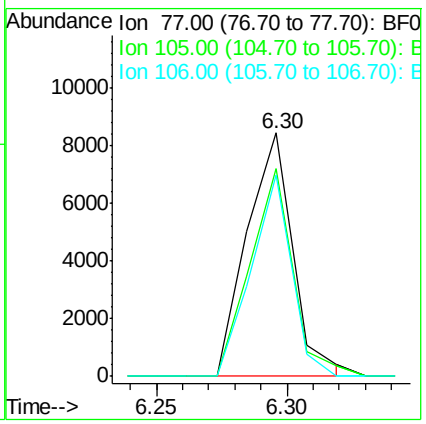


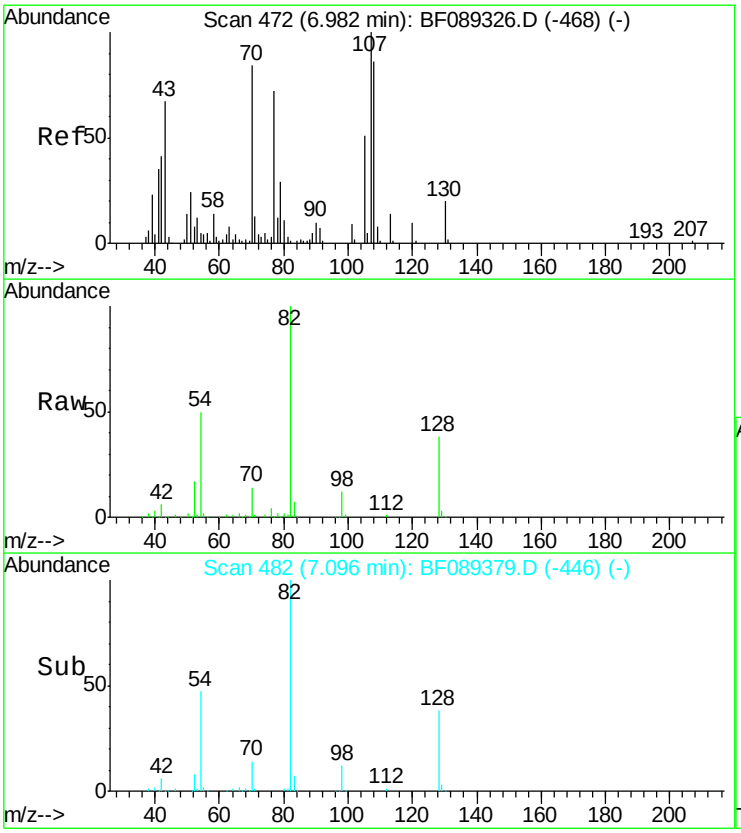
#9
Benzaldehyde
Concen: 5.19 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.21 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion: 77 Resp: 10245

Ion	Ratio	Lower	Upper
77	100		
105	85.3	82.9	122.9
106	82.7	75.9	115.9

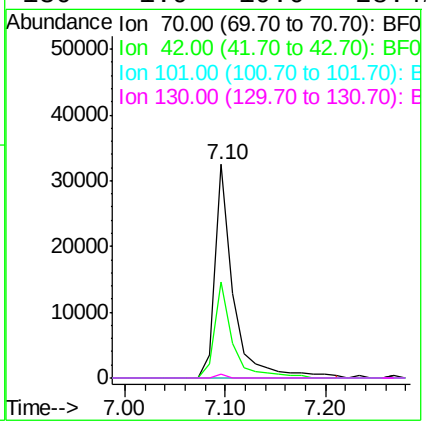


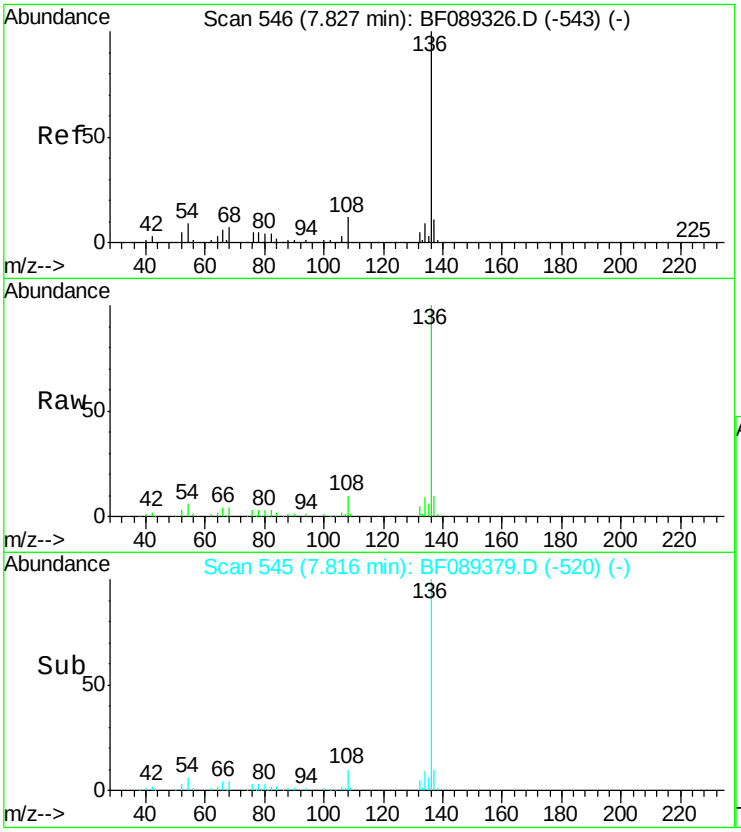


#19
n-Nitroso-di-n-propylamine
Concen: 16.87 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion: 70 Resp: 41163

Ion	Ratio	Lower	Upper
70	100		
42	45.1	38.6	57.8
101	0.0	8.3	12.5#
130	1.9	19.0	28.4#



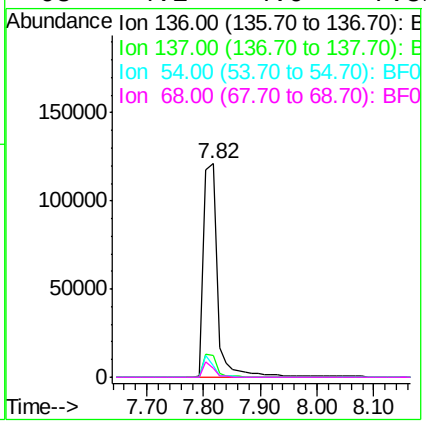


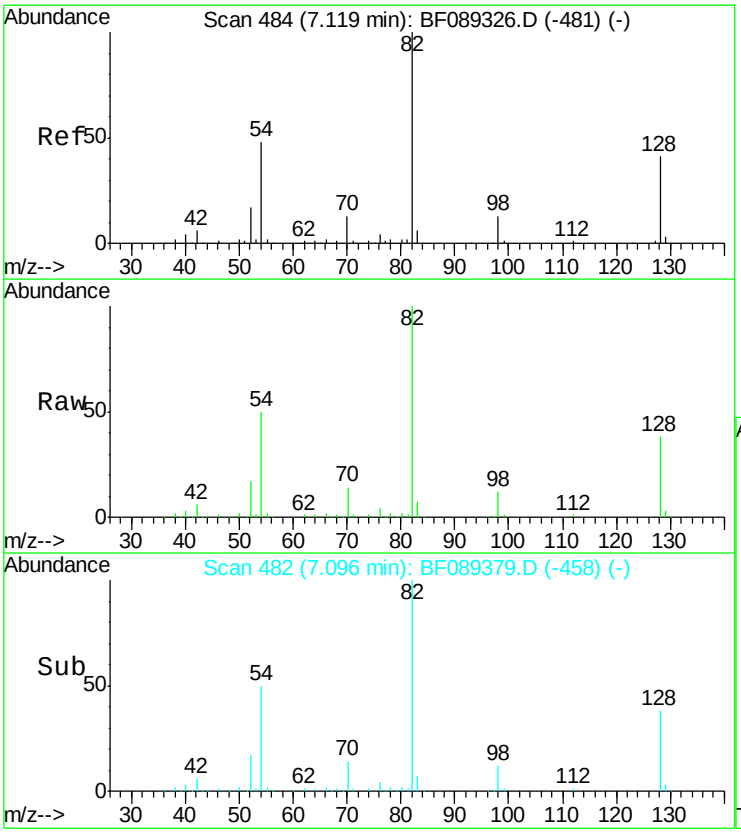
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:136 Resp: 198826

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	13.0
54	5.6	7.0	10.4#
68	4.2	4.9	7.3#

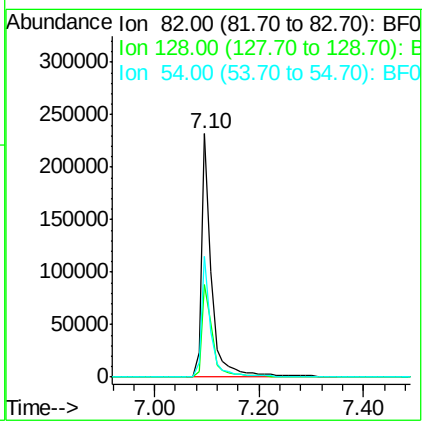


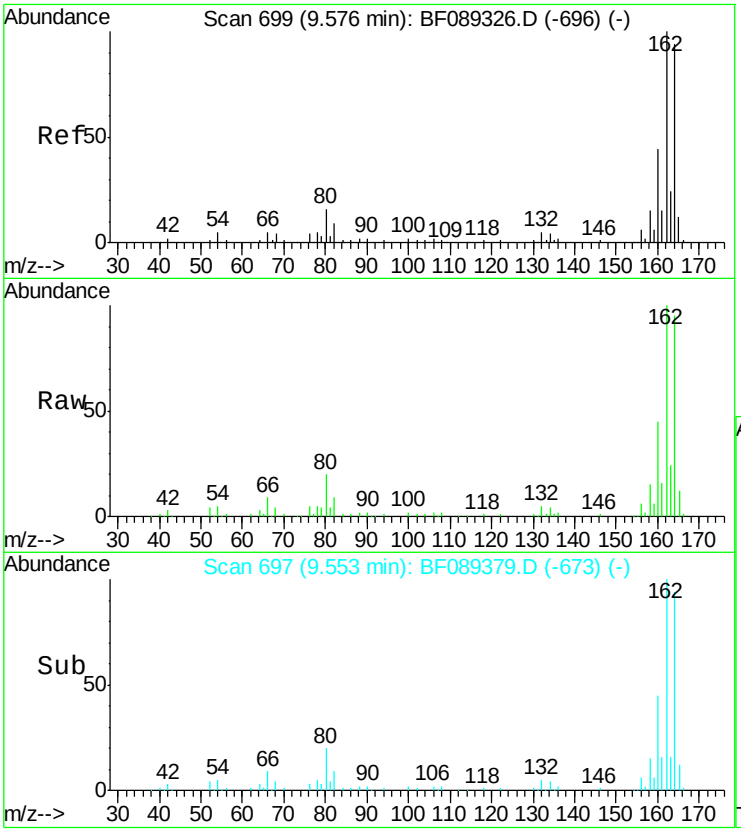


#23
Nitrobenzene-d5
Concen: 91.31 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion: 82 Resp: 307572

Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.5	48.7
54	49.6	38.8	58.2



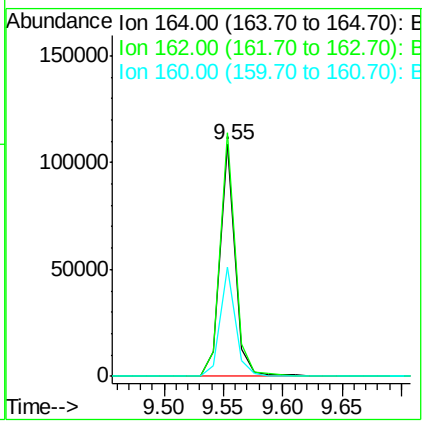


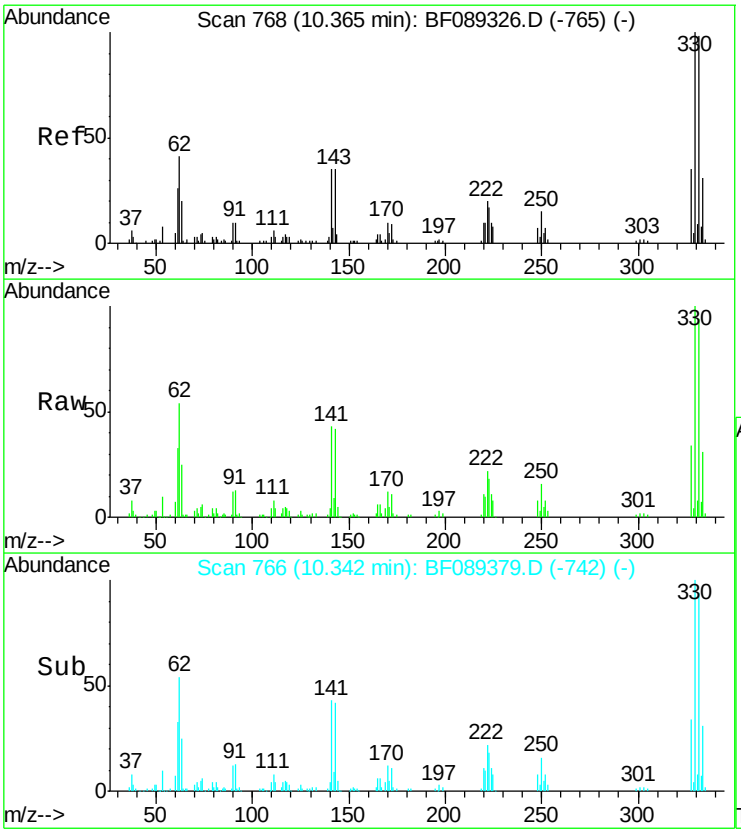
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:164 Resp: 94368

Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.7	125.5
160	47.1	37.8	56.6

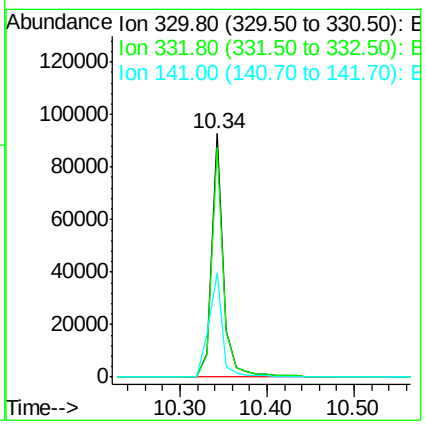


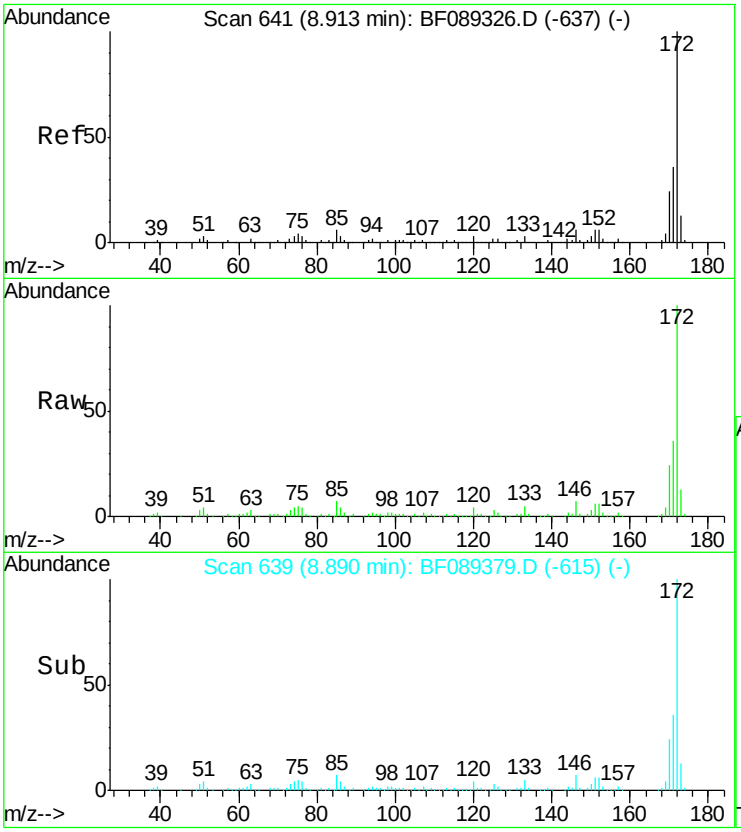


#41
2,4,6-Tribromophenol
Concen: 114.26 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:330 Resp: 89306

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.8	115.2
141	49.1	37.3	55.9



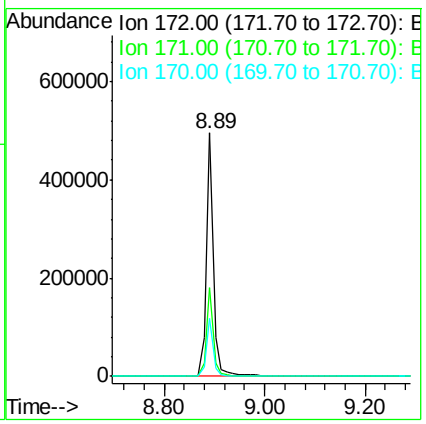


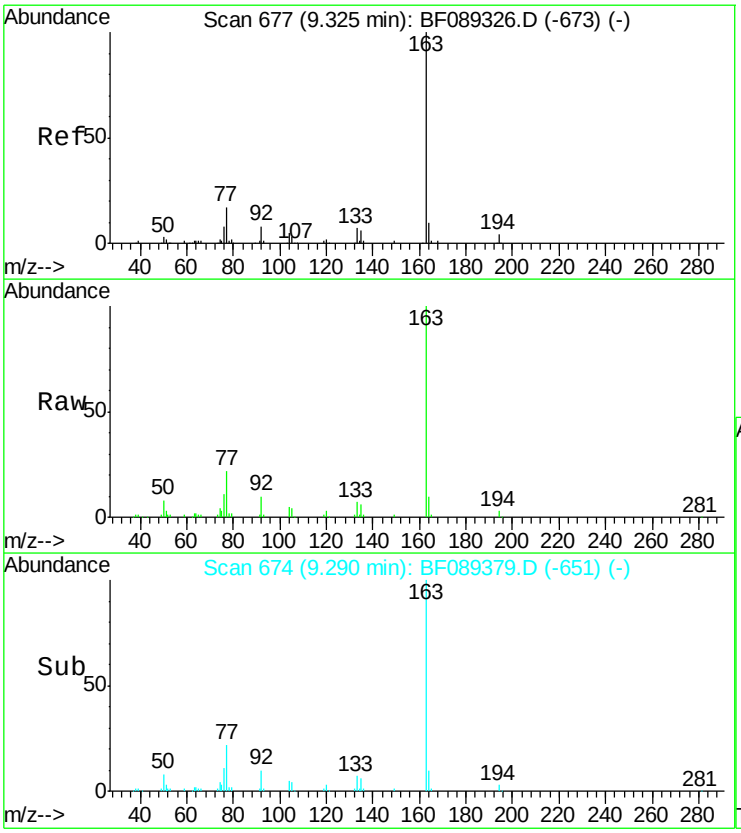
#44
2-Fluorobiphenyl
Concen: 75.53 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:172 Resp: 485662

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.7	19.2	28.8

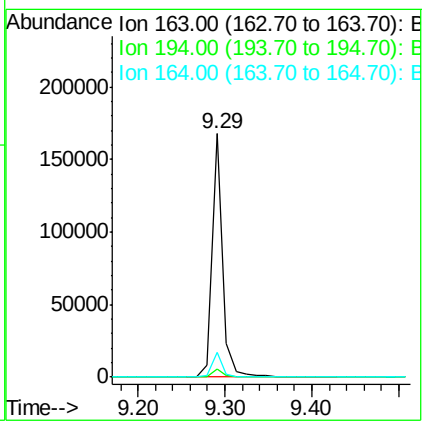


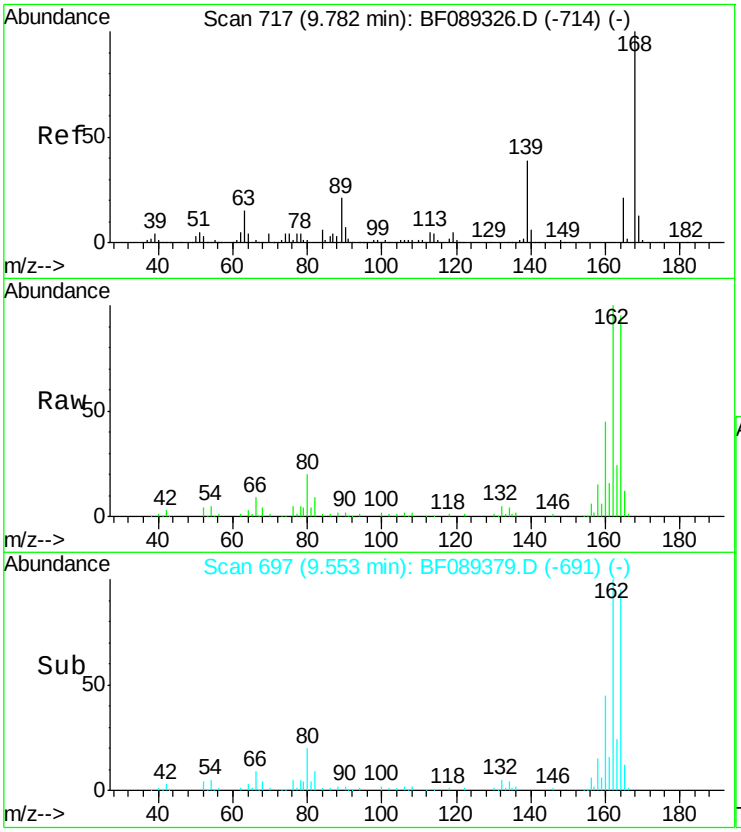


#49
Dimethylphthalate
Concen: 20.00 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:163 Resp: 143627

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.1	7.8	11.8



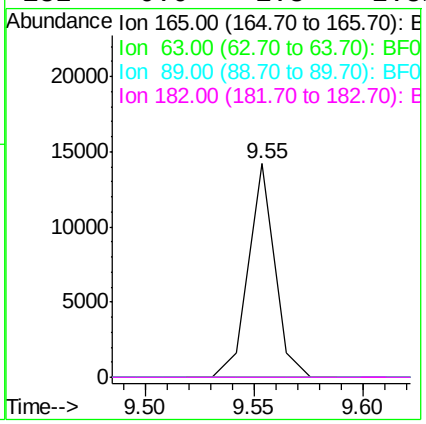


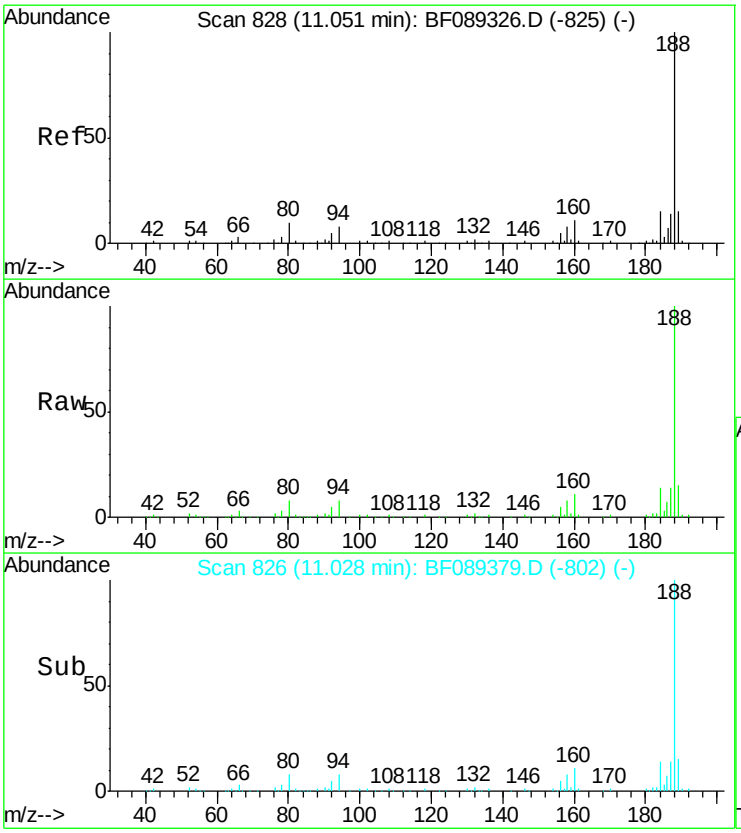
#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:165 Resp: 11922

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#

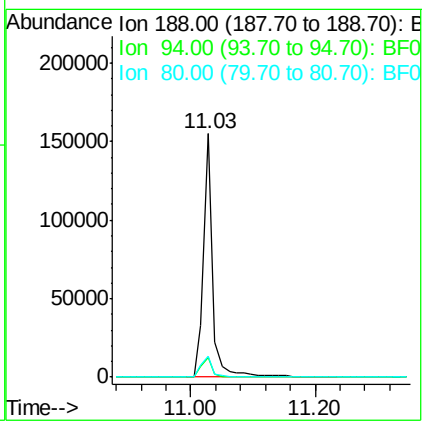


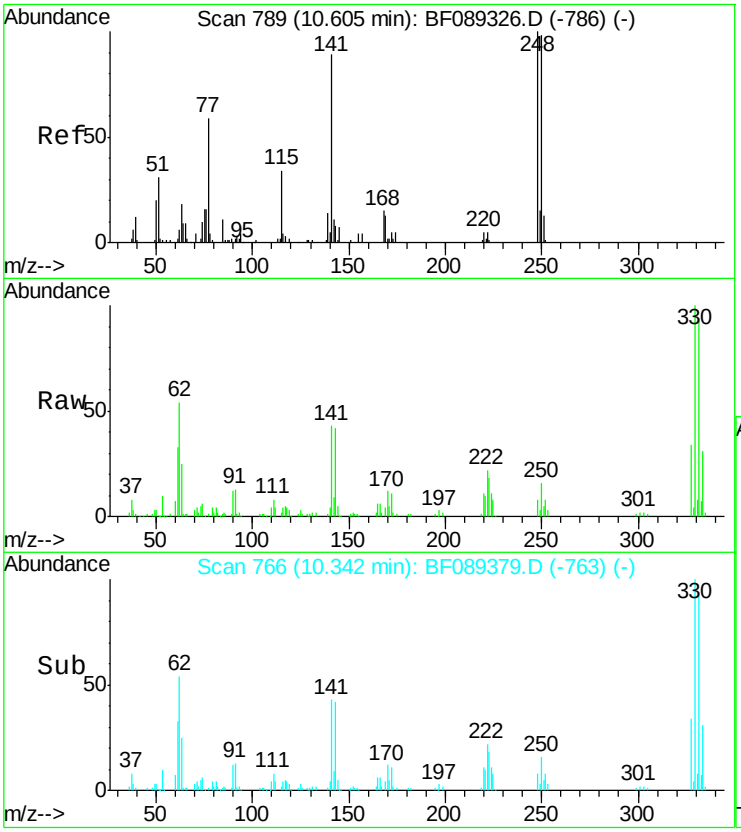


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:188 Resp: 160566

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.5	9.7
80	8.4	7.2	10.8



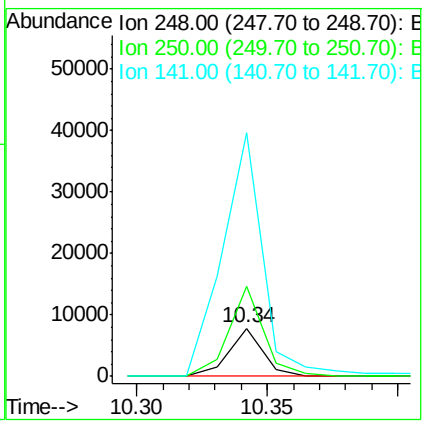


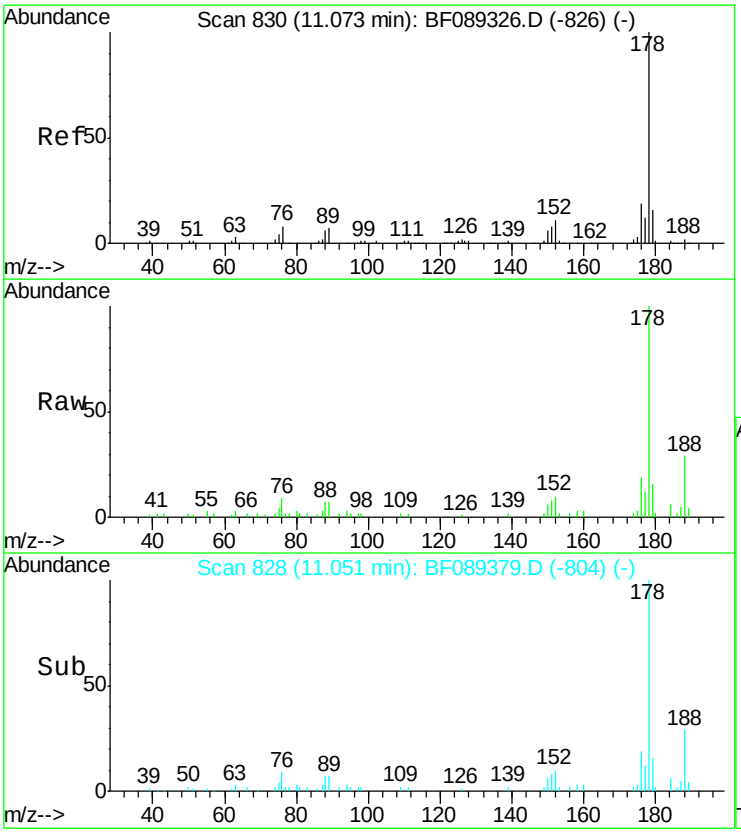
#66
4-Bromophenyl-phenylether
Concen: 4.59 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:248 Resp: 7032

Ion	Ratio	Lower	Upper
248	100		
250	189.8	78.2	117.2#
141	509.9	62.0	93.0#

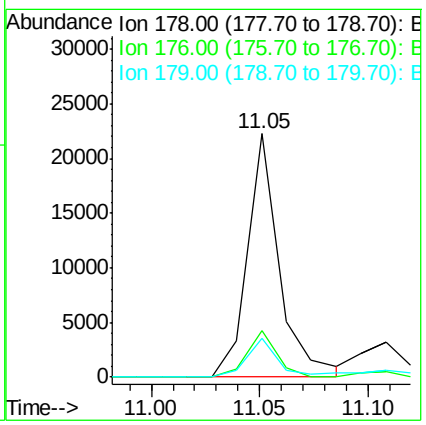


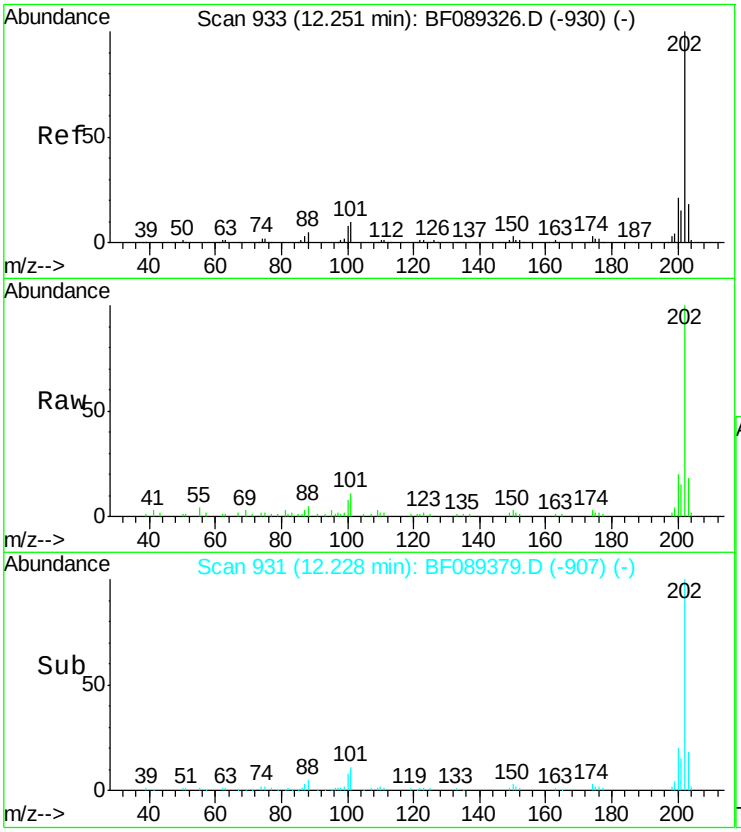


#70
Phenanthrene
Concen: 2.75 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:178 Resp: 22750

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	16.2	12.3	18.5



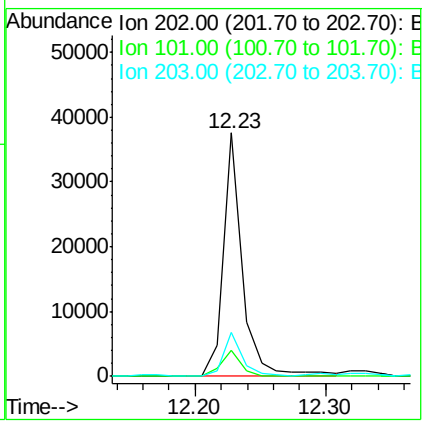


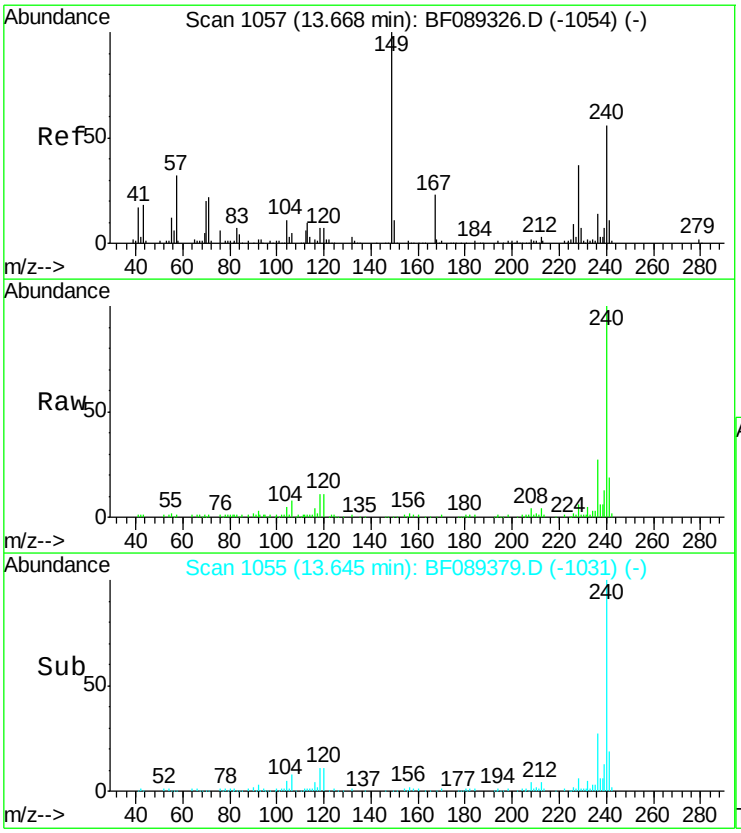
#74
Fluoranthene
Concen: 4.42 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:202 Resp: 38468

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.9
203	17.8	0.0	37.3

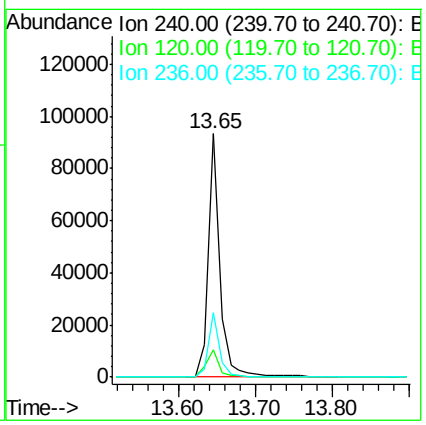


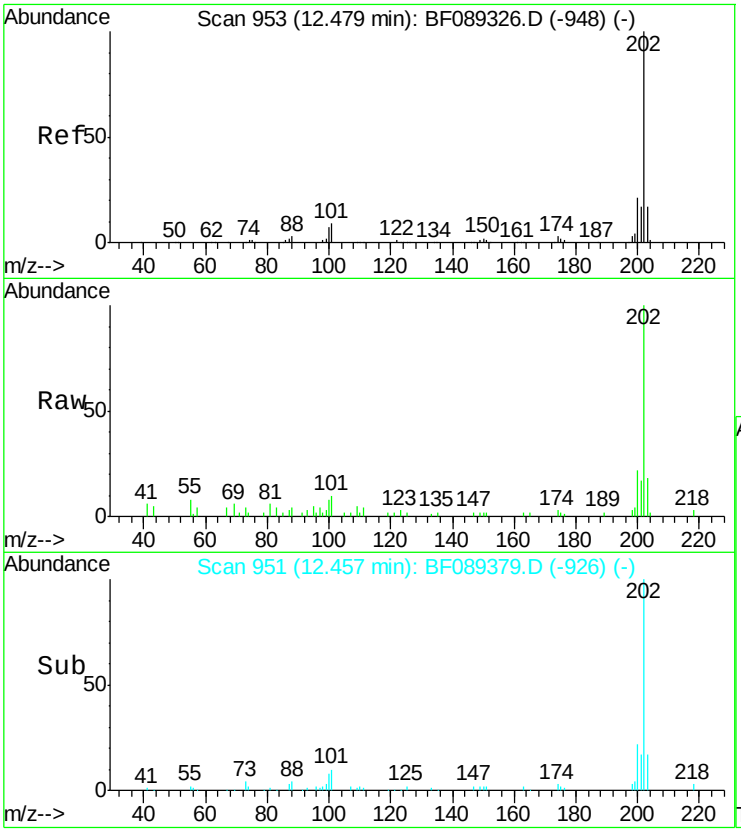


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:240 Resp: 97011

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.1	13.7
236	26.6	20.6	30.8



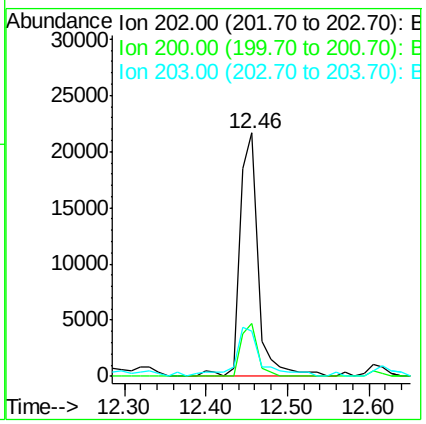


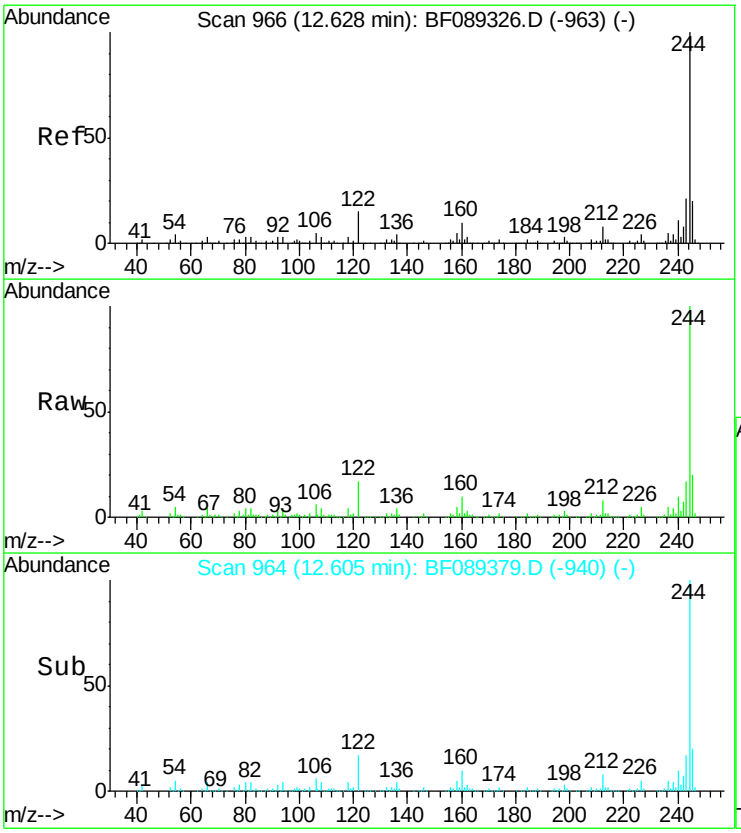
#77
Pyrene
Concen: 4.56 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:202 Resp: 33492

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	18.4	14.0	21.0

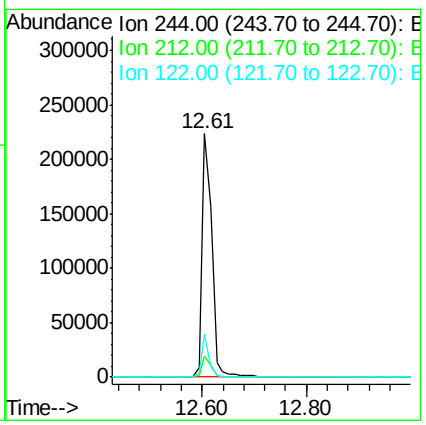


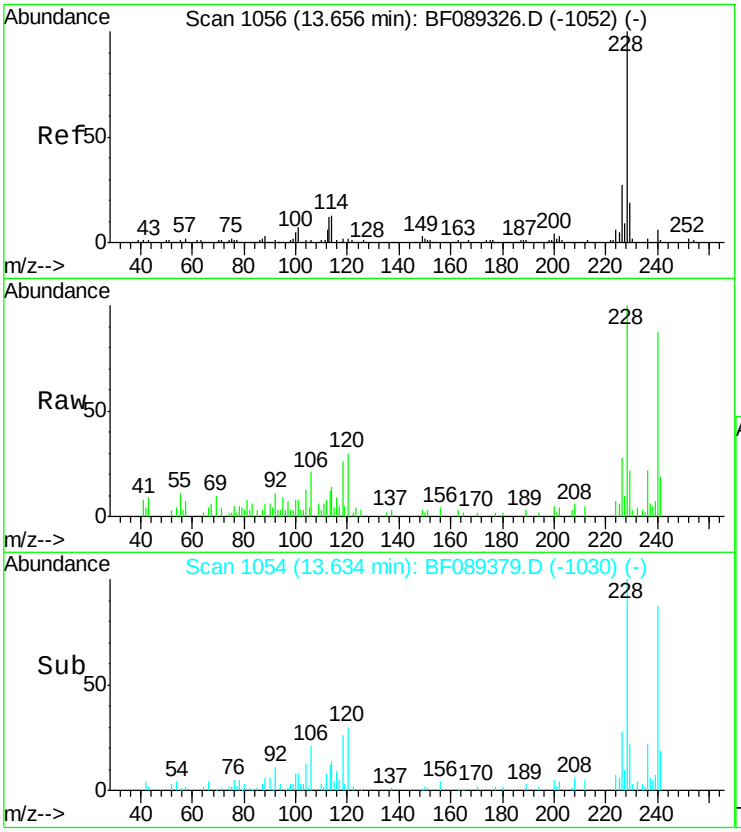


#78
Terphenyl-d14
Concen: 70.19 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:244 Resp: 290936

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	17.4	11.4	17.0#



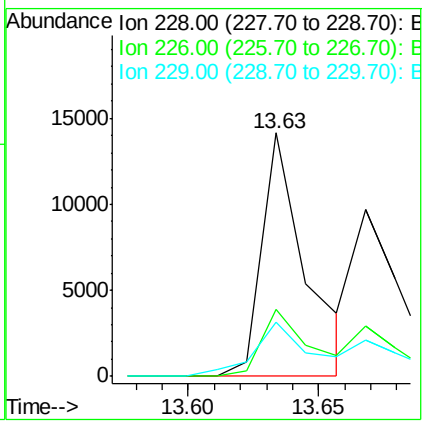


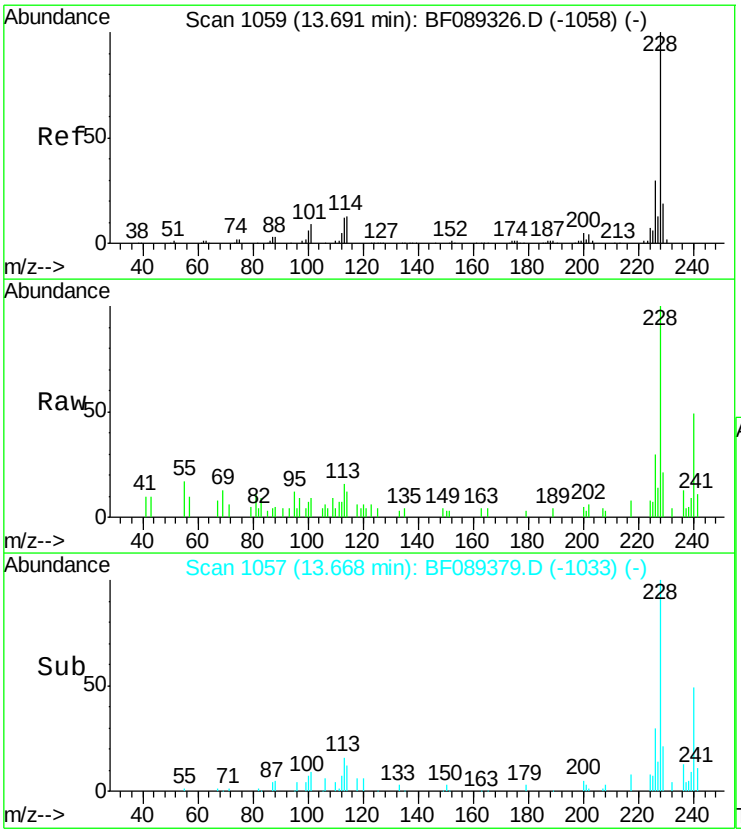
#80
Benzo(a)anthracene
Concen: 3.01 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:228 Resp: 16463

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	22.2	15.9	23.9

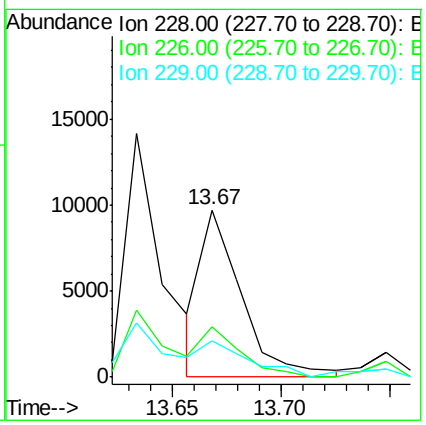


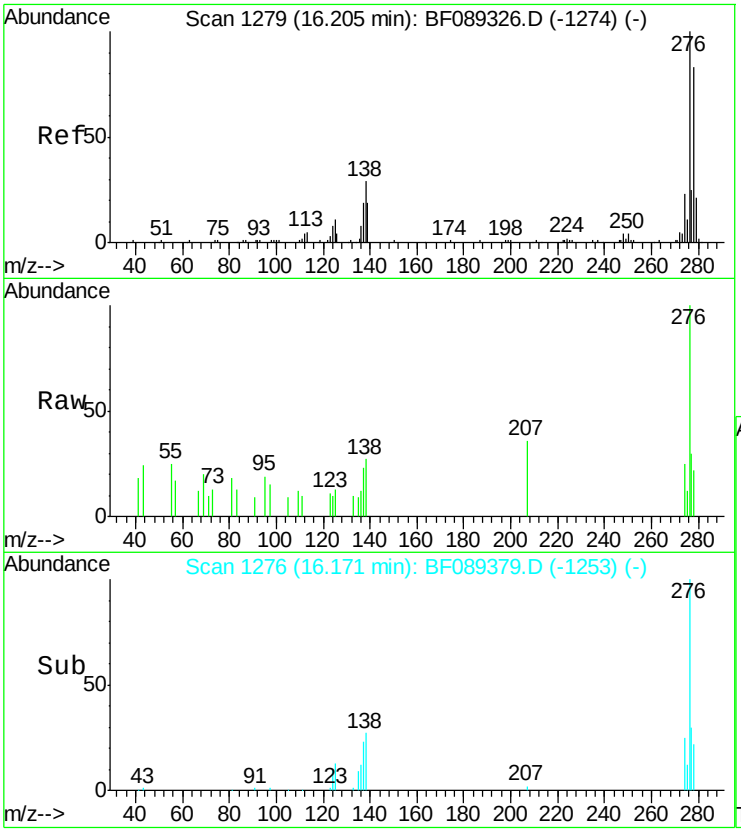


#82
Chrysene
Concen: 2.17 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:228 Resp: 12663

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	21.5	15.9	23.9



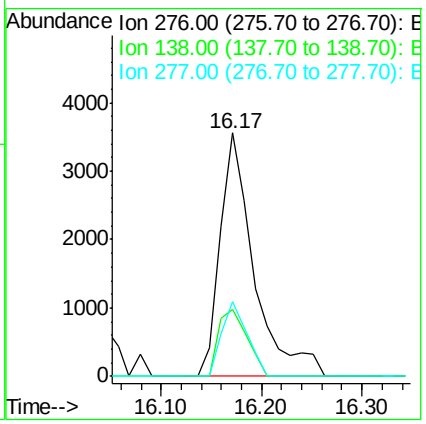


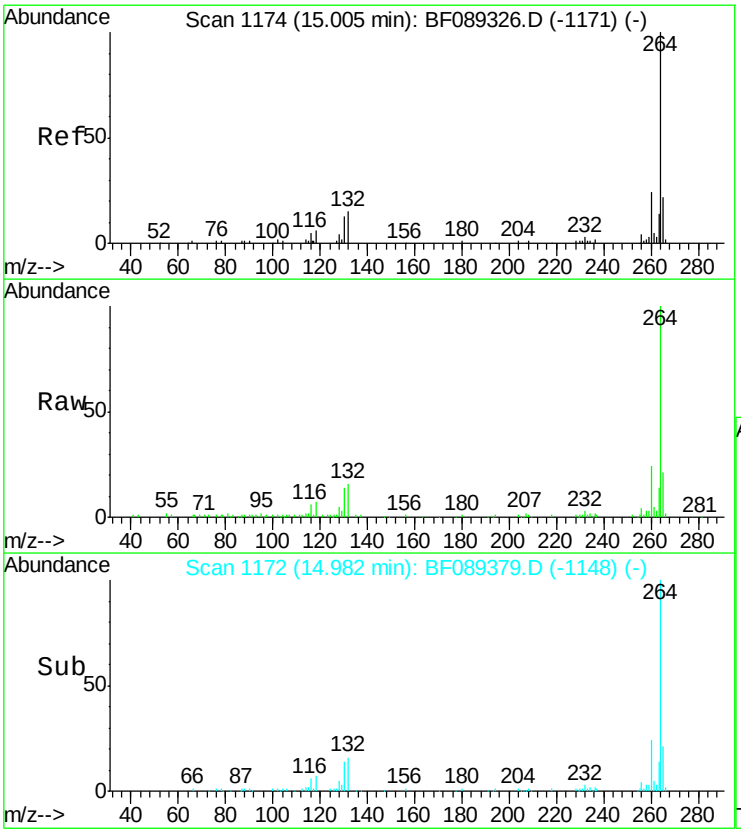
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.01 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:276 Resp: 8316

Ion	Ratio	Lower	Upper
276	100		
138	23.2	23.0	34.4
277	22.8	20.2	30.4

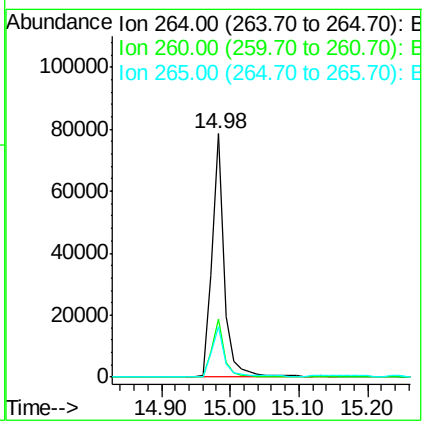


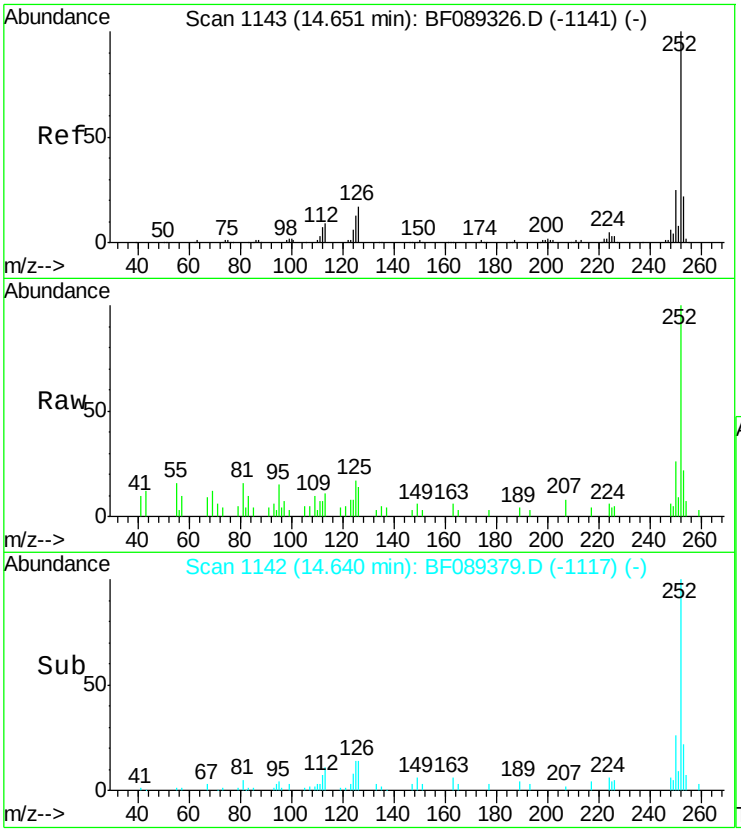


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:264 Resp: 99133

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	20.9	17.5	26.3



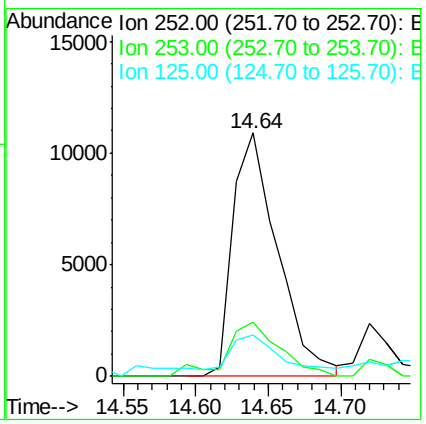


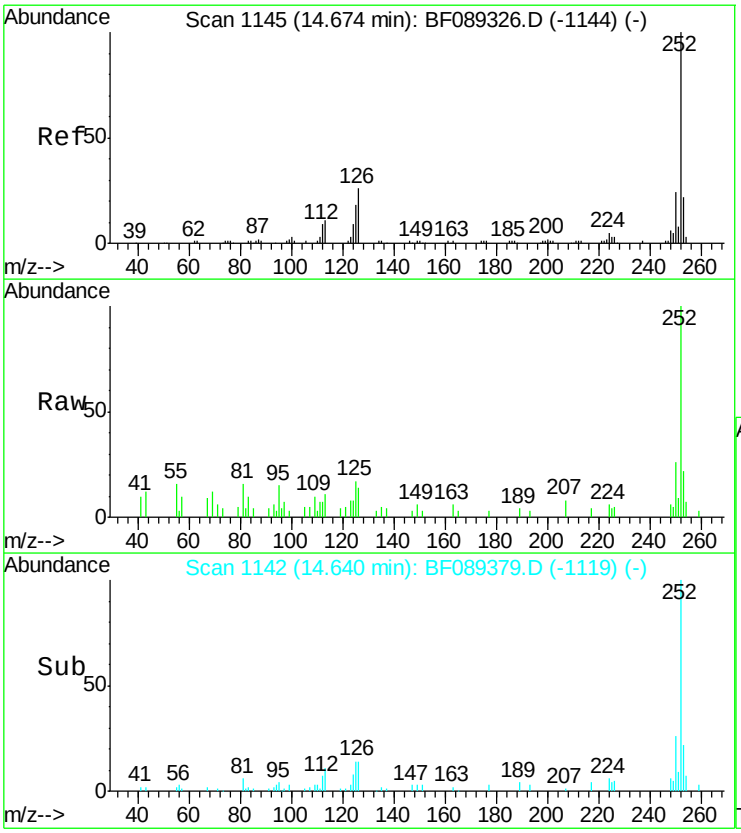
#87
Benzo(b)fluoranthene
Concen: 3.78 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:252 Resp: 23292

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	16.9	9.7	14.5#

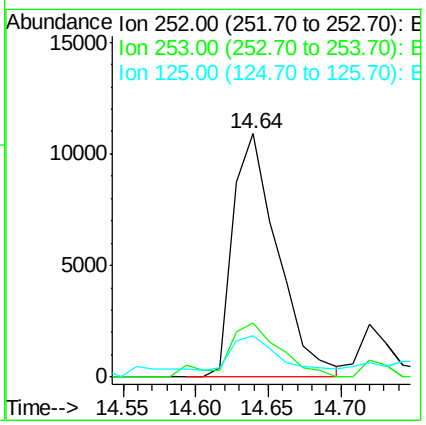


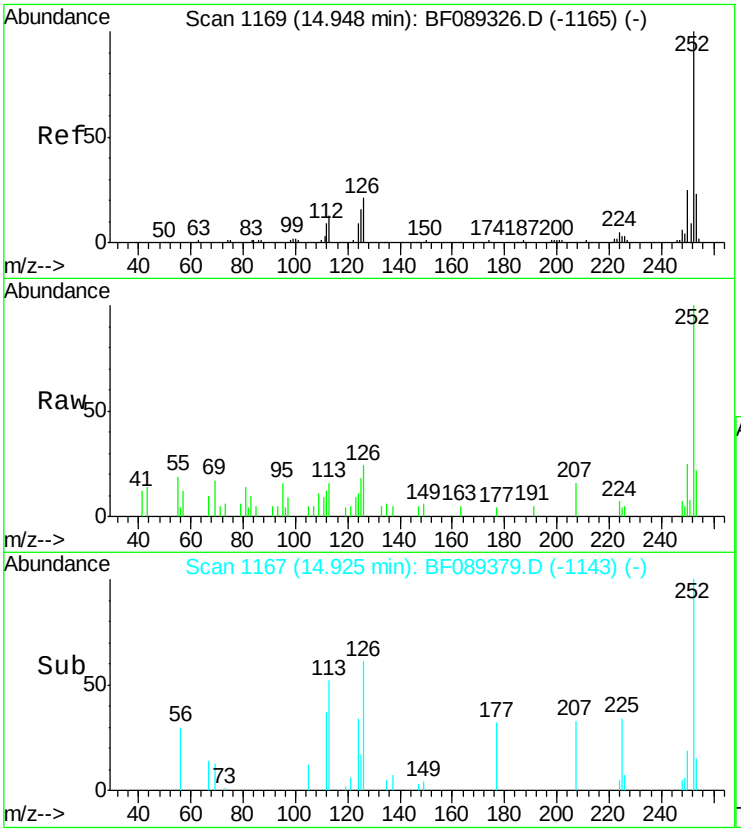


#88
Benzo(k)fluoranthene
Concen: 4.12 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Tgt Ion:252 Resp: 23292

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	16.9	10.7	16.1#





#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF089379.D
Acq: 28 Jul 2016 23:12

Instrument :
BNA_F
ClientSampleId :
SB-40-4.0-5.0

Tgt Ion:252 Resp: 14051

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	18.0	12.4	18.6