Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089382.D
Acq On : 29 Jul 2016 00:39
Operator : UM/SJ
Sample : H4176-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-34-0.5-1.0

Quant Time: Jul 29 01:34:51 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	49859	20.00	ng		-0.02
21) Naphthalene-d8	7.80	136	196389	20.00	ng		-0.02
38) Acenaphthene-d10	9.55	164	92322	20.00	ng		-0.02
63) Phenanthrene-d10	11.03	188	146886	20.00	ng		-0.02
75) Chrysene-d12	13.65	240	96371	20.00	ng		-0.02
86) Perylene-d12	14.98	264	96765	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	298787	95.69	ng		-0.01
7) Phenol-d6	6.18	99	387399	93.88	ng		-0.02
23) Nitrobenzene-d5	7.10	82	256354	77.05	ng		-0.02
41) 2,4,6-Tribromophenol	10.34	330	72714	95.10	ng		-0.02
44) 2-Fluorobiphenyl	8.89	172	456583	72.58	ng		-0.02
78) Terphenyl-d14	12.61	244	282449	68.60	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	68382	49.14	ng	#	26
9) Benzaldehyde	6.30	77	7798	3.87	ng		86
19) n-Nitroso-di-n-propylamine	7.10	70	33883	13.62	ng	#	83
25) Isophorone	7.35	82	32936	4.91	ng	#	94
49) Dimethylphthalate	9.29	163	122465	17.43	ng		99
56) 2,4-Dinitrotoluene	9.55	165	11311	5.95	ng	#	7
66) 4-Bromophenyl-phenylether	10.34	248	5410	3.86	ng	#	1
70) Phenanthrene	11.05	178	24253	3.20	ng		98
74) Fluoranthene	12.23	202	35228	4.42	ng		98
77) Pyrene	12.46	202	26059	3.57	ng		98
80) Benzo(a)anthracene	13.67	228	24419	4.49	ng		95
82) Chrysene	13.67	228	24419	4.22	ng		99
83) Bis(2-ethylhexyl)phthalate	13.66	149	19176	3.99	ng	#	95
87) Benzo(b)fluoranthene	14.63	252	26217	4.36	ng	#	93
88) Benzo(k)fluoranthene	14.63	252	26217	4.75	ng	#	95
89) Benzo(a)pyrene	14.94	252	10856	2.01	ng		96

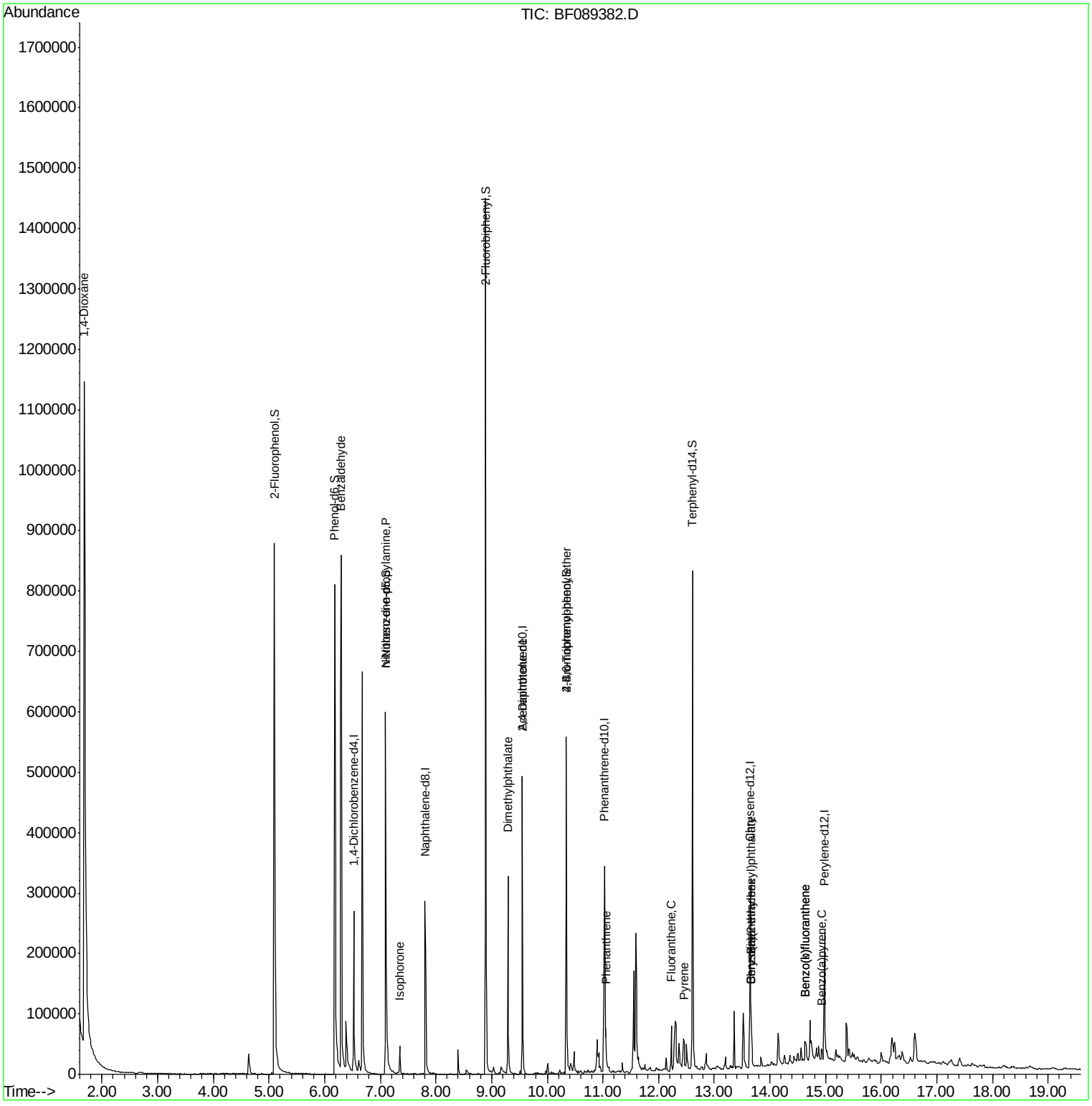
(#) = qualifier out of range (m) = manual integration (+) = signals summed

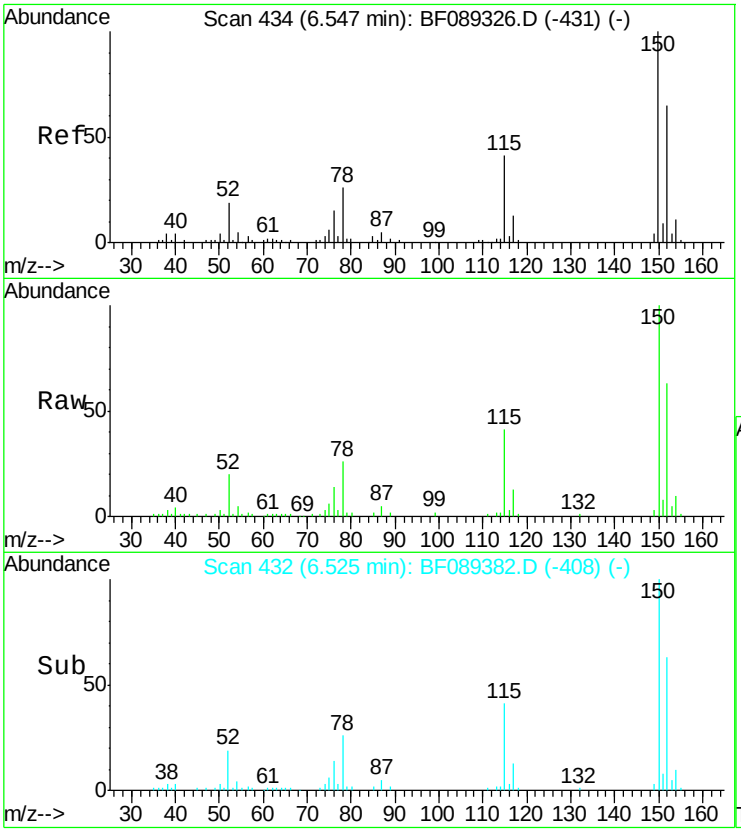
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089382.D
Acq On : 29 Jul 2016 00:39
Operator : UM/SJ
Sample : H4176-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Quant Time: Jul 29 01:34:51 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



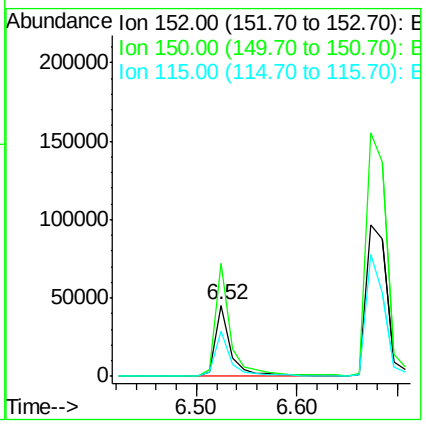


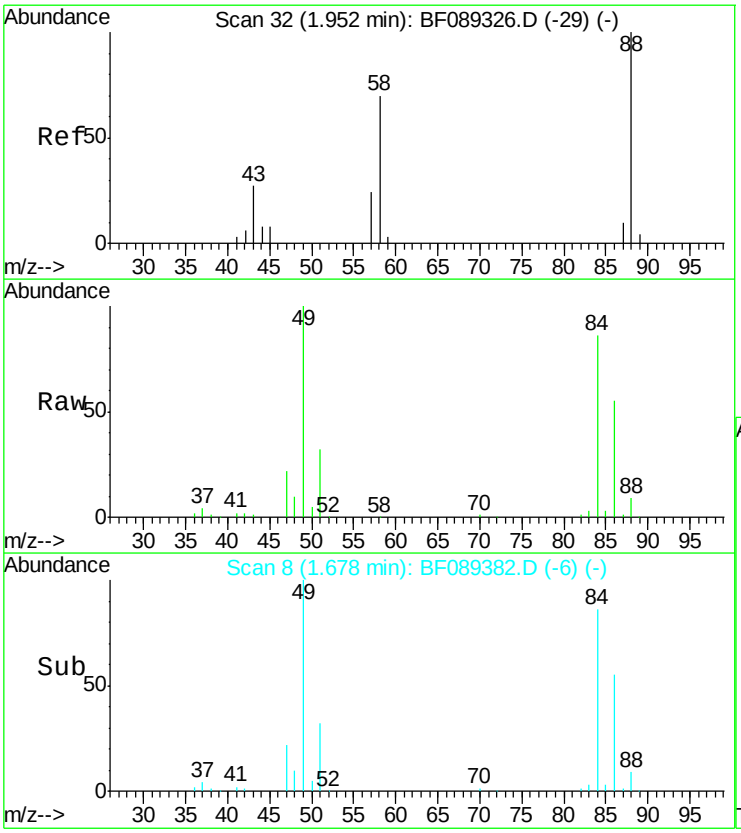
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:152 Resp: 49859

Ion	Ratio	Lower	Upper
152	100		
150	158.6	129.5	194.3
115	64.4	51.4	77.2

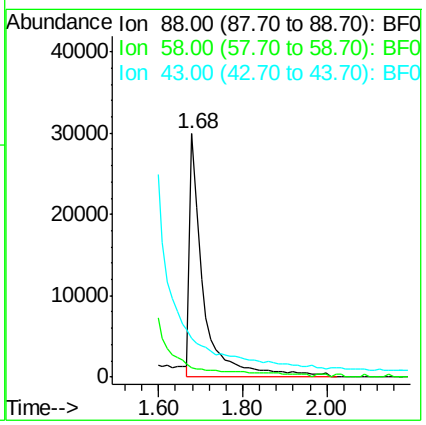


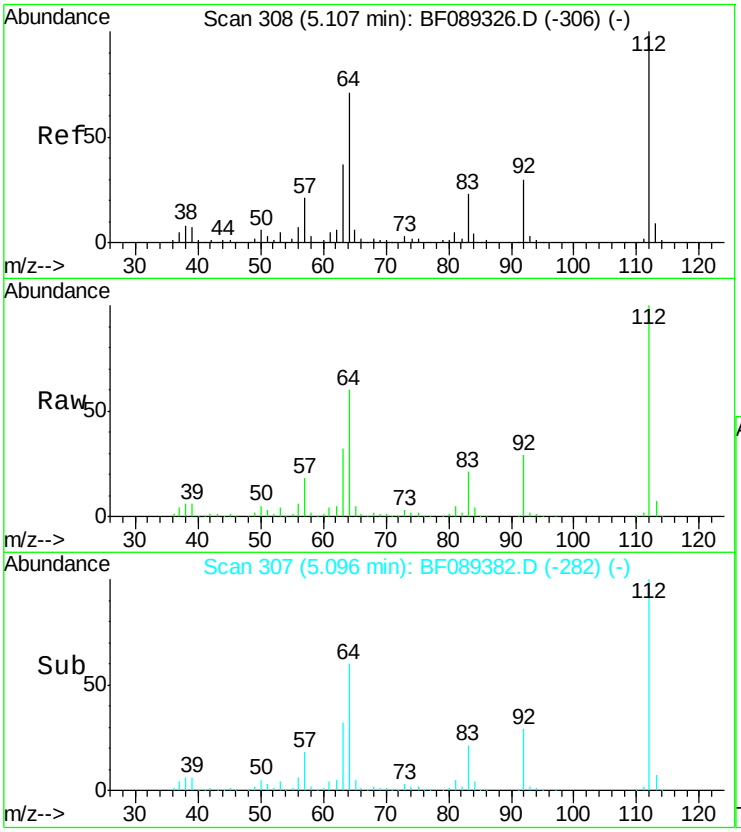


#2
1,4-Dioxane
Concen: 49.14 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion: 88 Resp: 68382

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



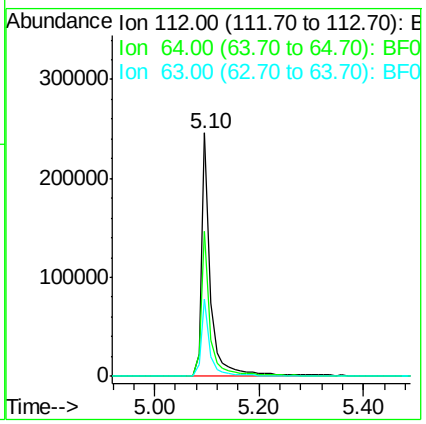


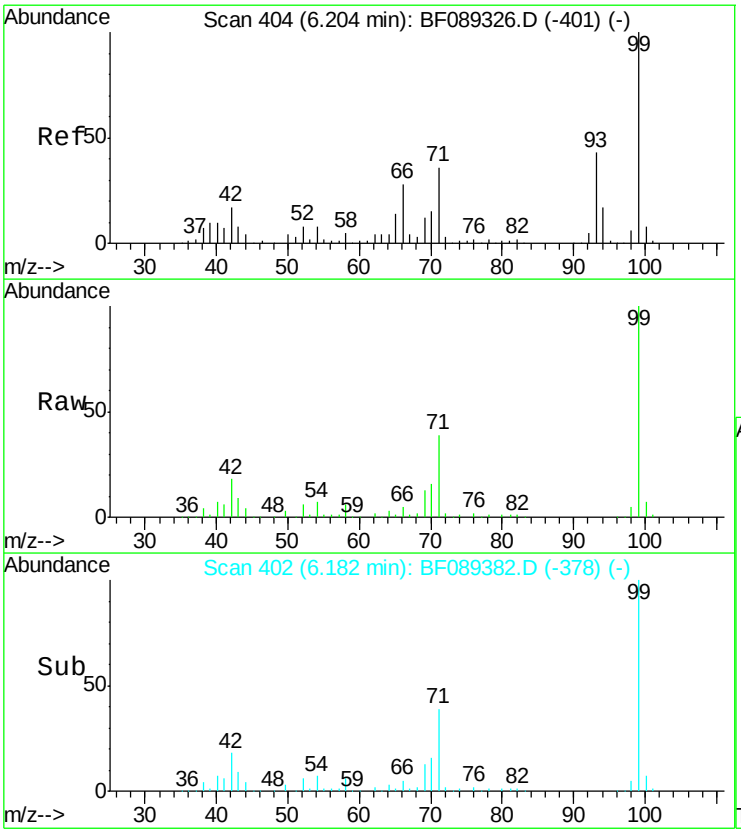
#5
2-Fluorophenol
Concen: 95.69 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:112 Resp: 298787

Ion	Ratio	Lower	Upper
112	100		
64	59.6	55.0	82.6
63	31.7	29.4	44.2

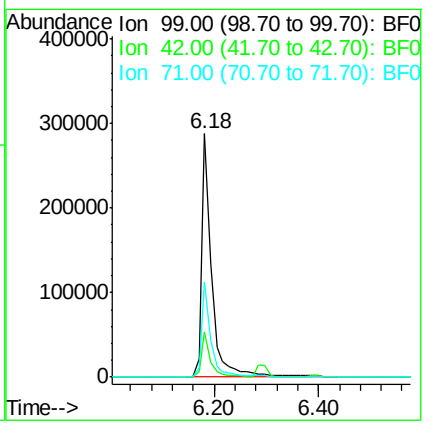


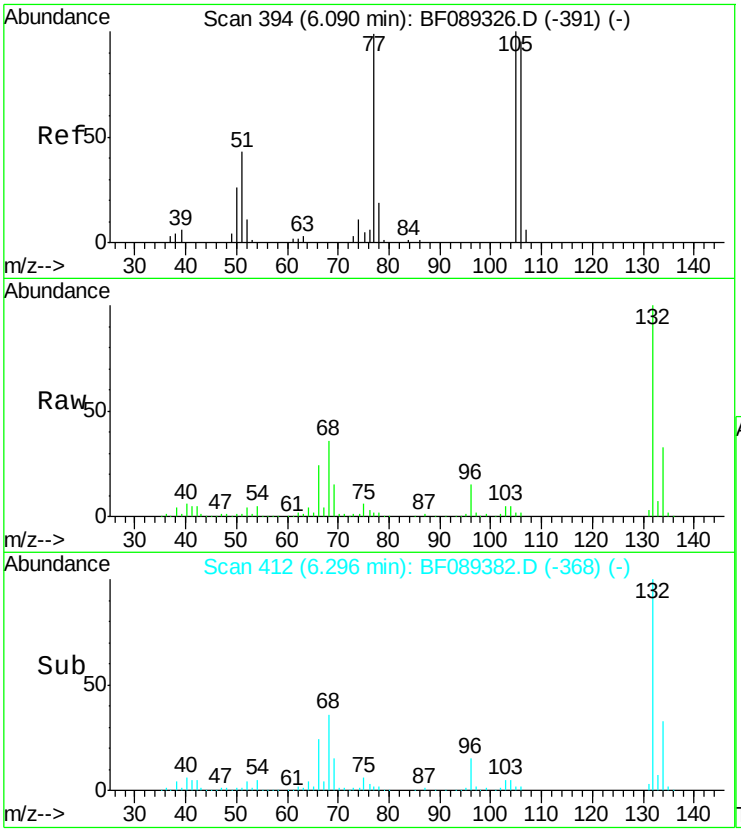


#7
Phenol-d6
Concen: 93.88 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion: 99 Resp: 387399

Ion	Ratio	Lower	Upper
99	100		
42	18.5	13.6	20.4
71	38.9	29.4	44.2



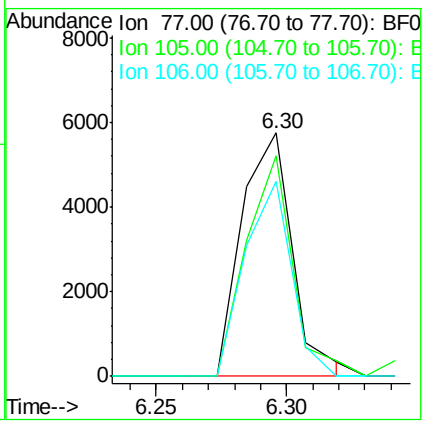


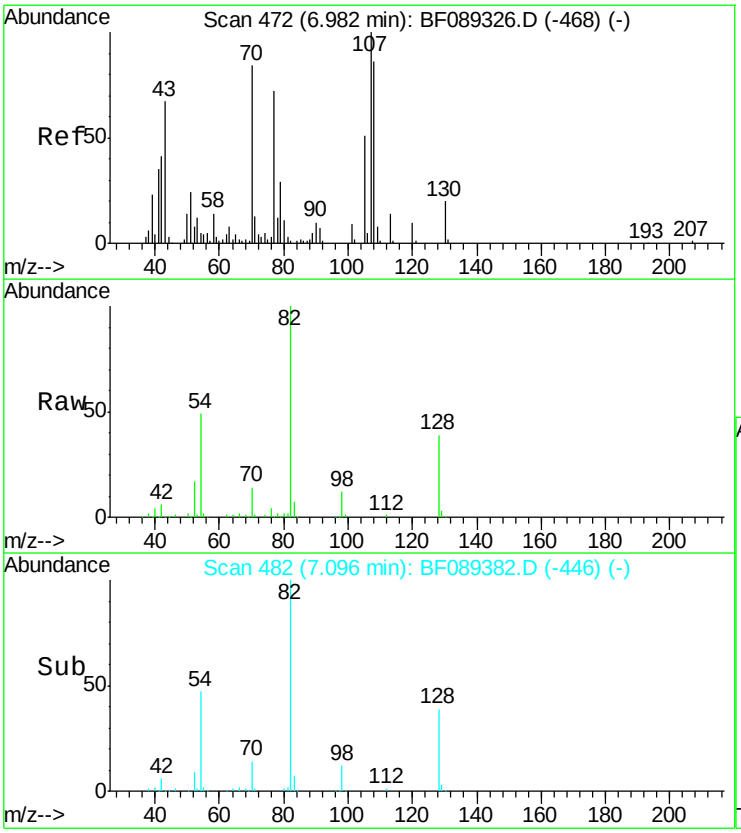
#9
Benzaldehyde
Concen: 3.87 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.21 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion: 77 Resp: 7798

Ion	Ratio	Lower	Upper
77	100		
105	90.4	82.9	122.9
106	80.2	75.9	115.9

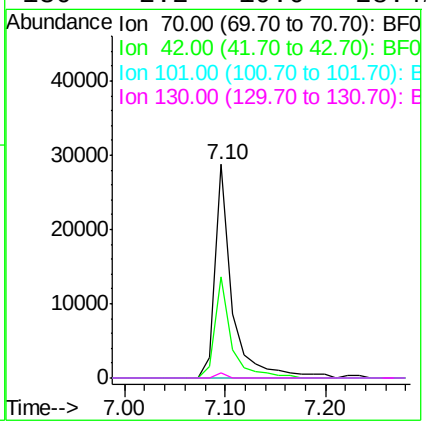


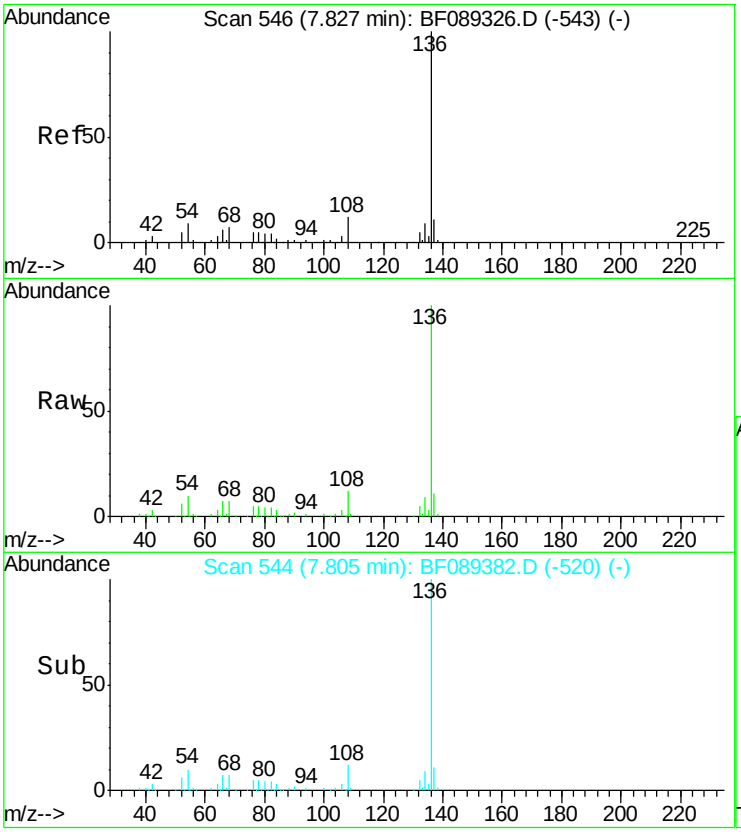


#19
n-Nitroso-di-n-propylamine
Concen: 13.62 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion: 70 Resp: 33883

Ion	Ratio	Lower	Upper
70	100		
42	47.6	38.6	57.8
101	0.0	8.3	12.5#
130	2.2	19.0	28.4#



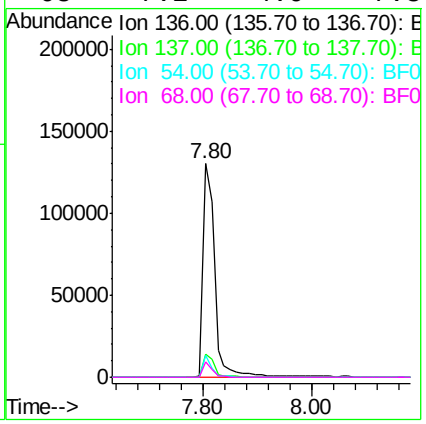


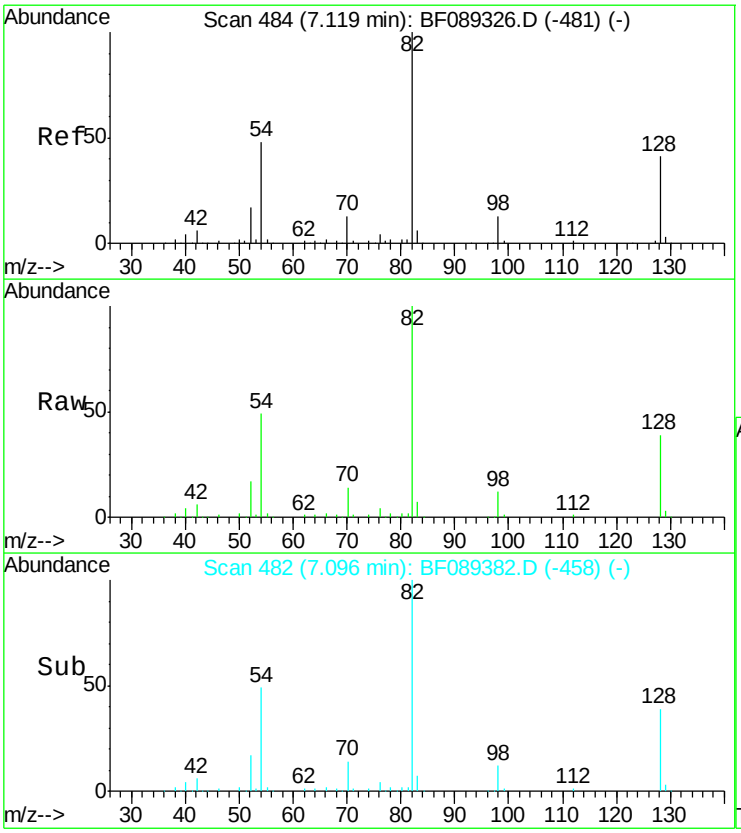
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:136 Resp: 196389

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	7.0	10.4
68	7.2	4.9	7.3

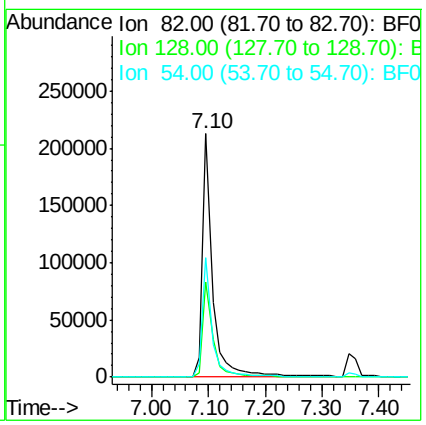


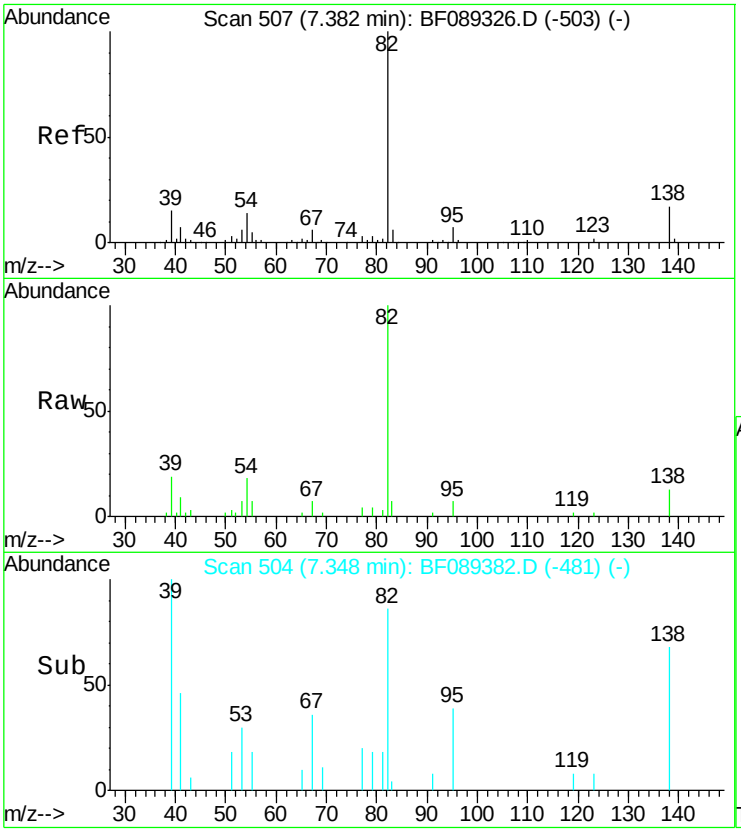


#23
Nitrobenzene-d5
Concen: 77.05 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion: 82 Resp: 256354

Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.5	48.7
54	48.9	38.8	58.2



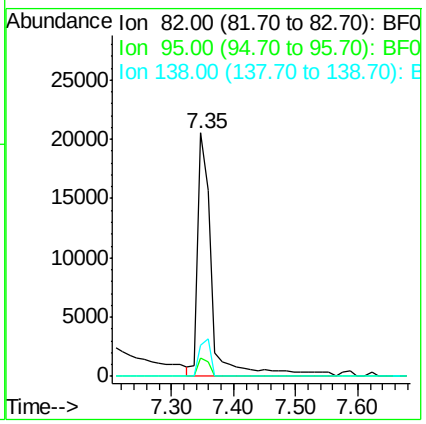


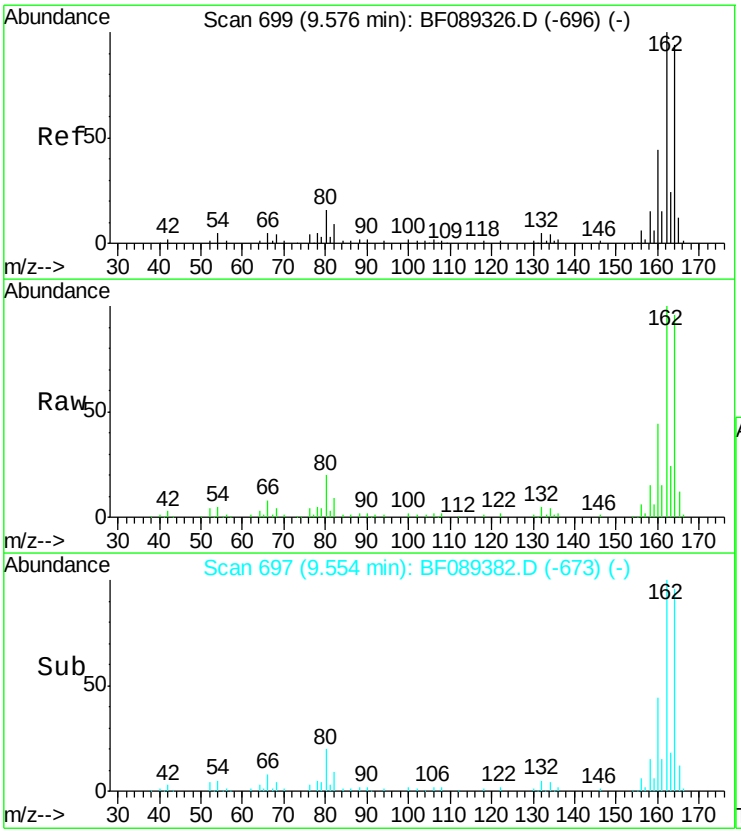
#25
Isophorone
Concen: 4.91 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion: 82 Resp: 32936

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.0	9.0
138	13.0	13.3	19.9#

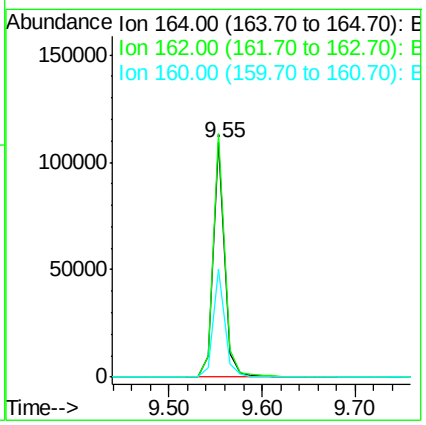


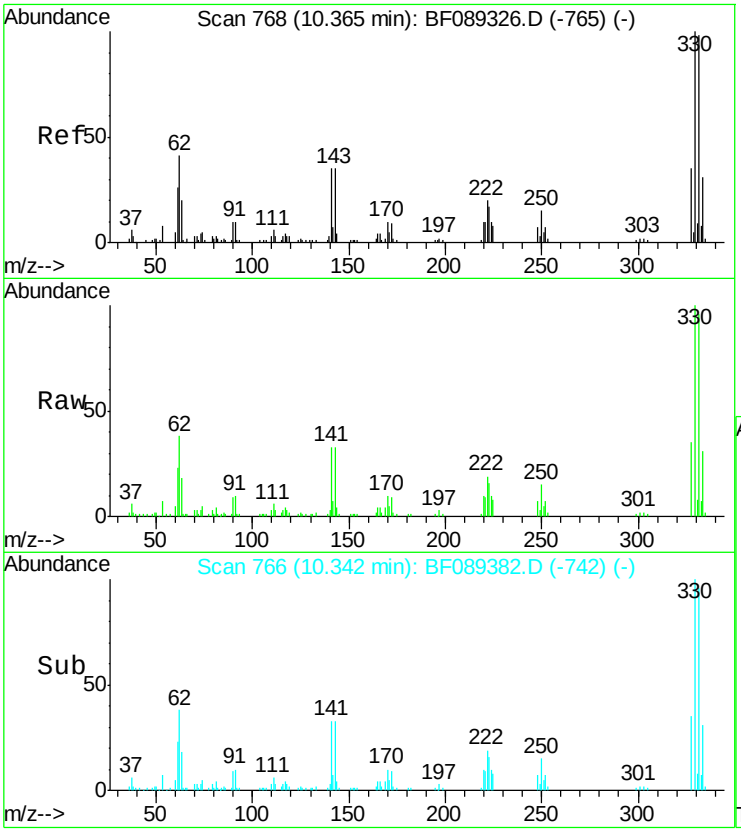


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:164 Resp: 92322

Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.7	125.5
160	45.8	37.8	56.6



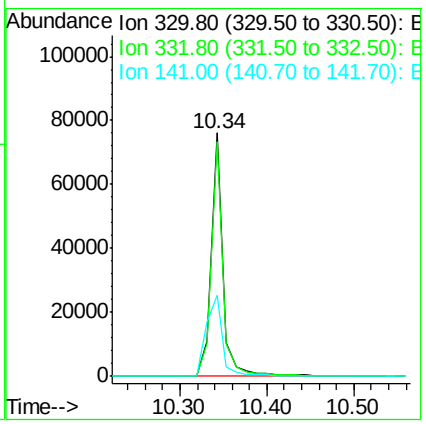


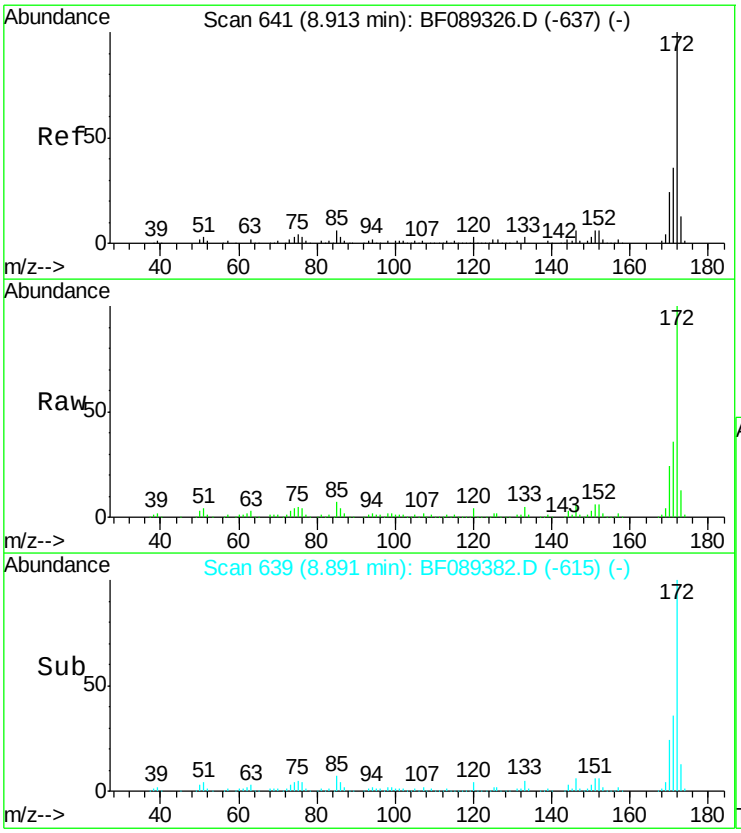
#41
2,4,6-Tribromophenol
Concen: 95.10 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:330 Resp: 72714

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	45.3	37.3	55.9

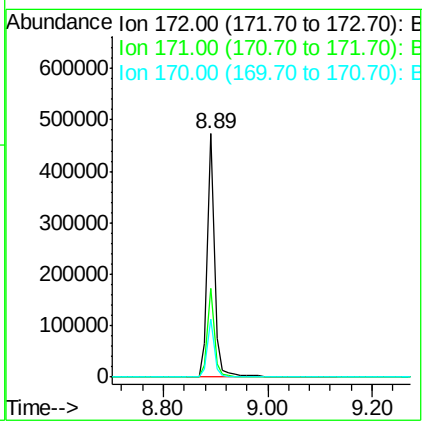


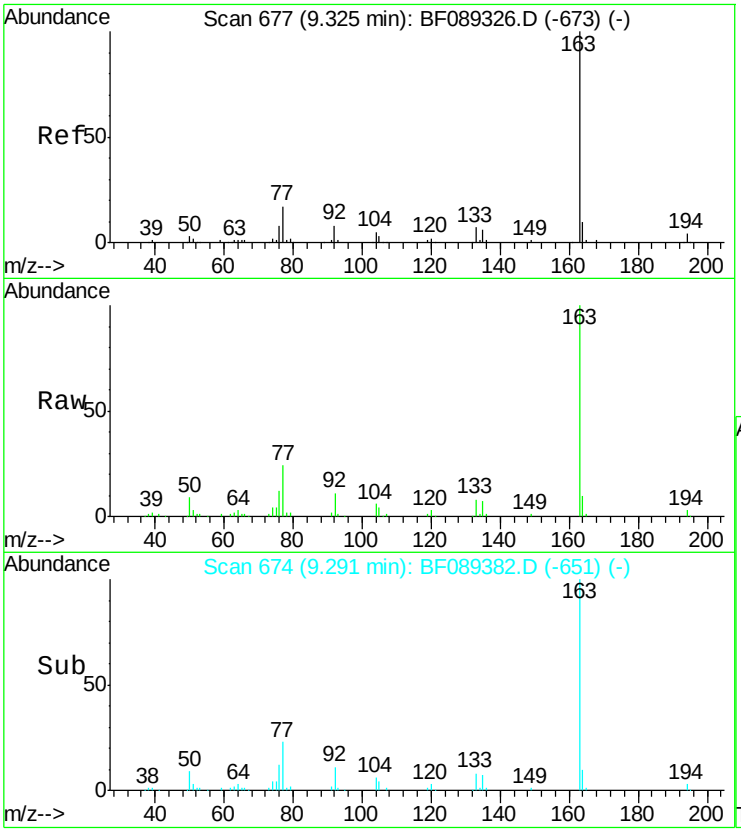


#44
2-Fluorobiphenyl
Concen: 72.58 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:172 Resp: 456583

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	24.1	19.2	28.8



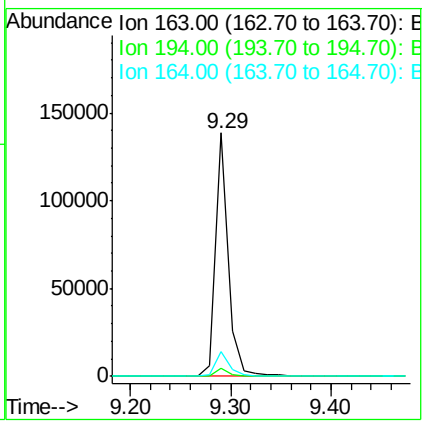


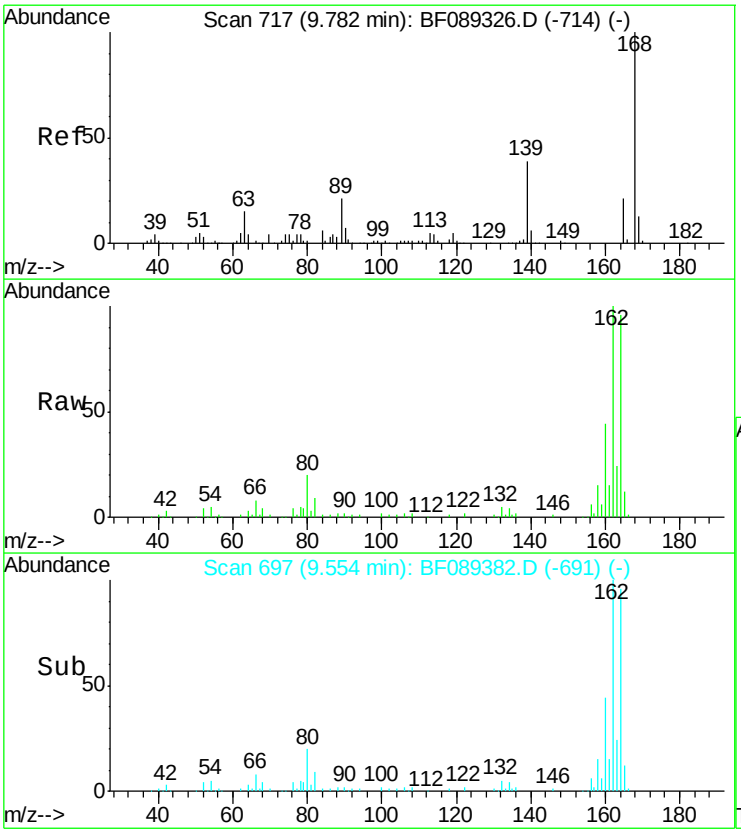
#49
Dimethylphthalate
Concen: 17.43 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:163 Resp: 122465

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.1	7.8	11.8

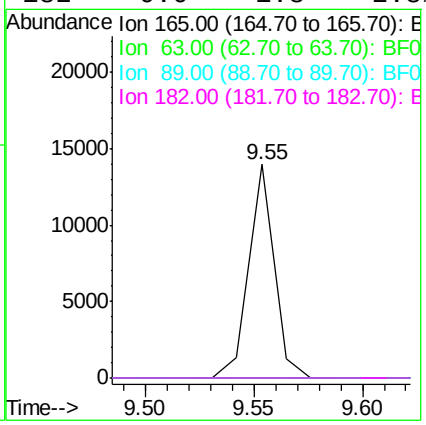


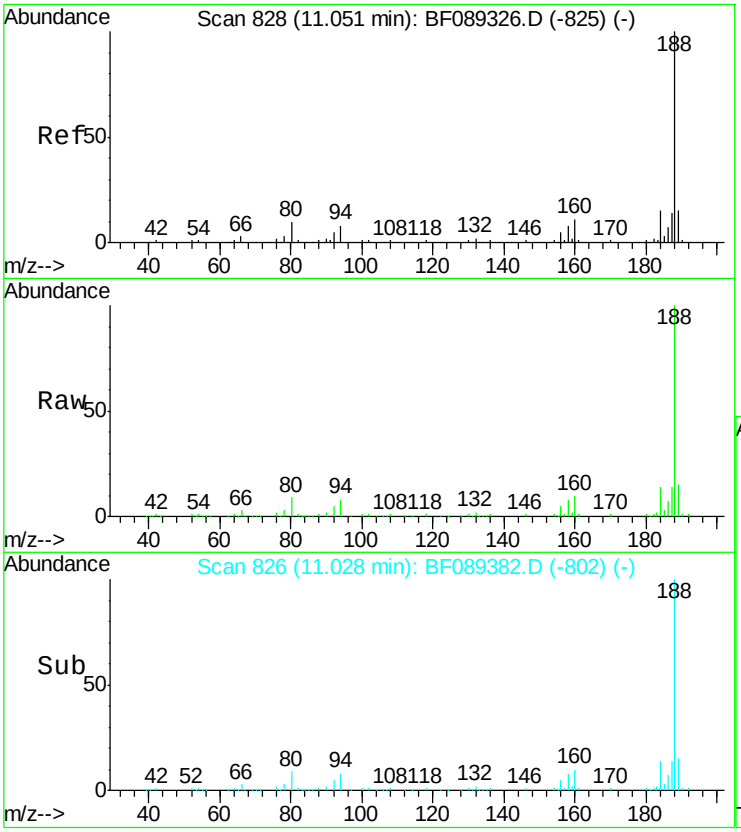


#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:165 Resp: 11311

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#



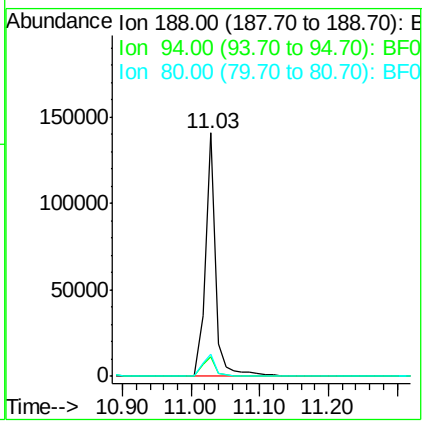


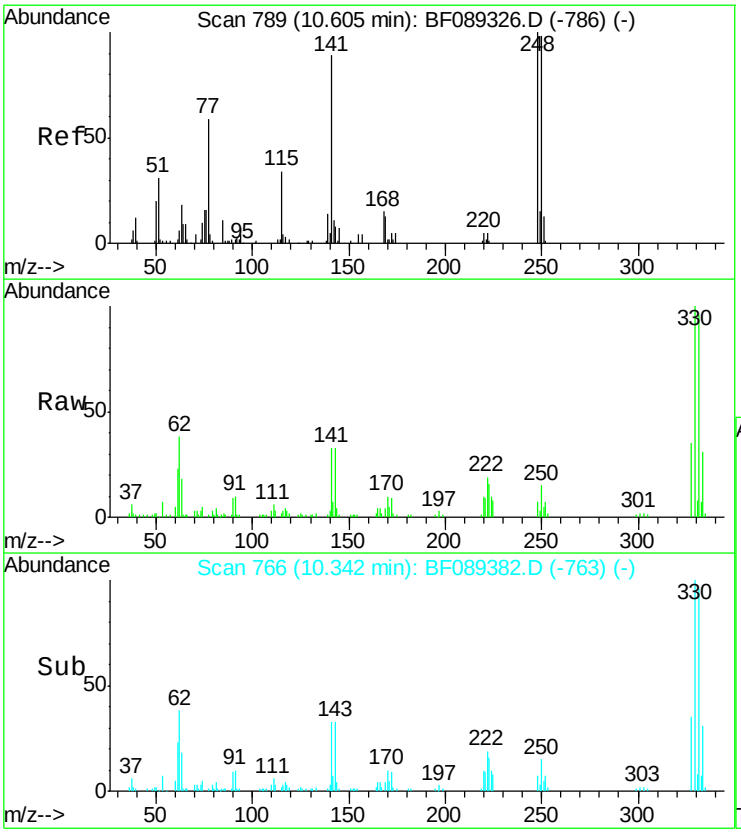
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:188 Resp: 146886

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.5	9.7
80	9.0	7.2	10.8

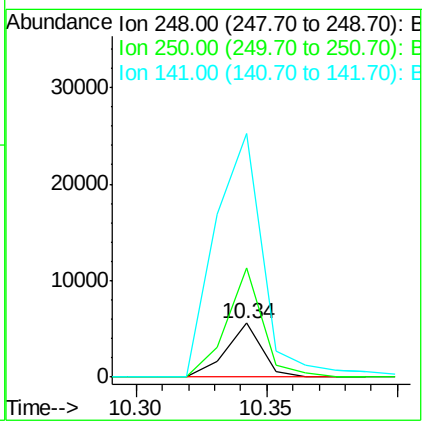


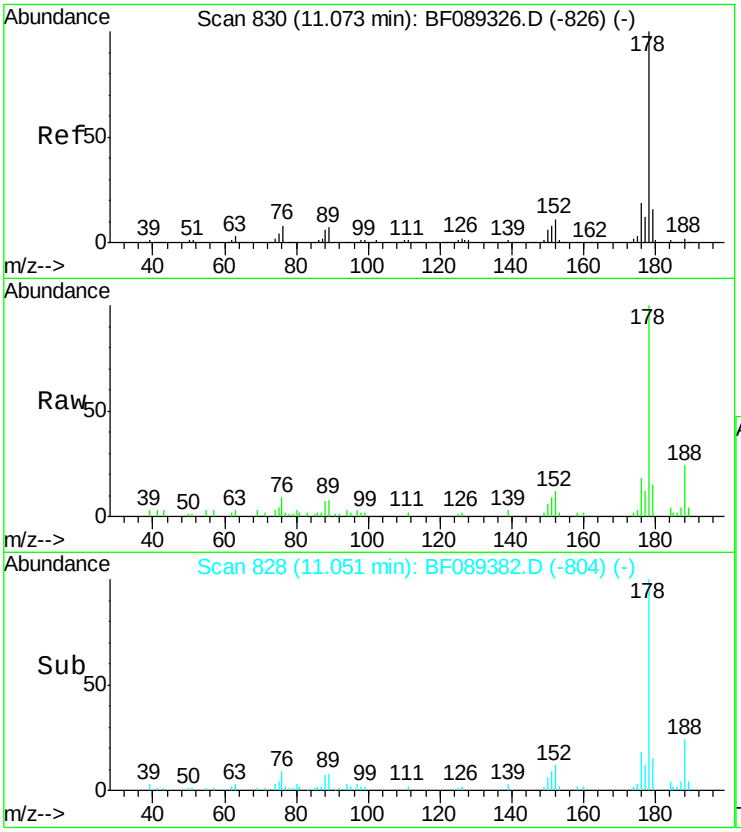


#66
4-Bromophenyl-phenylether
Concen: 3.86 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:248 Resp: 5410

Ion	Ratio	Lower	Upper
248	100		
250	202.2	78.2	117.2#
141	451.9	62.0	93.0#



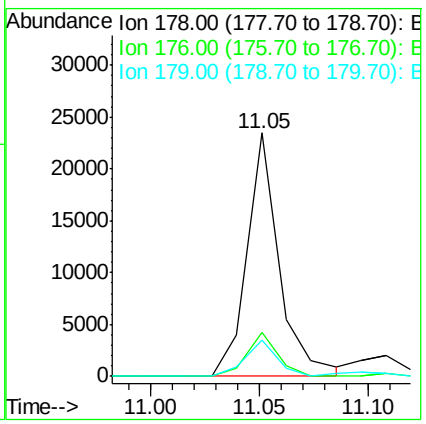


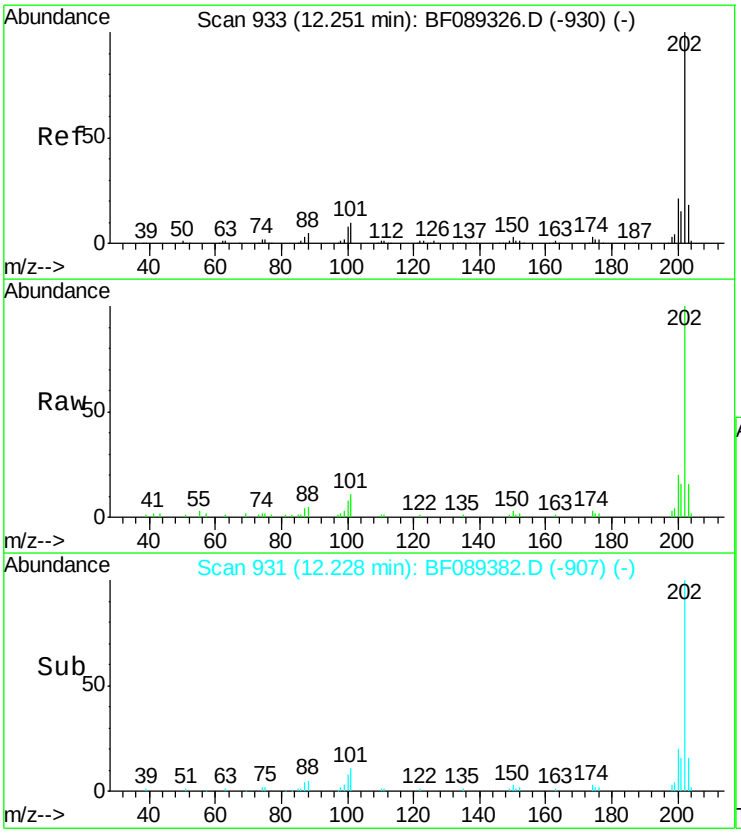
#70
Phenanthrene
Concen: 3.20 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:178 Resp: 24253

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	14.7	12.3	18.5

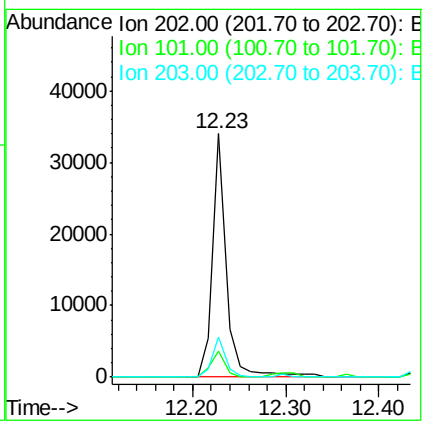


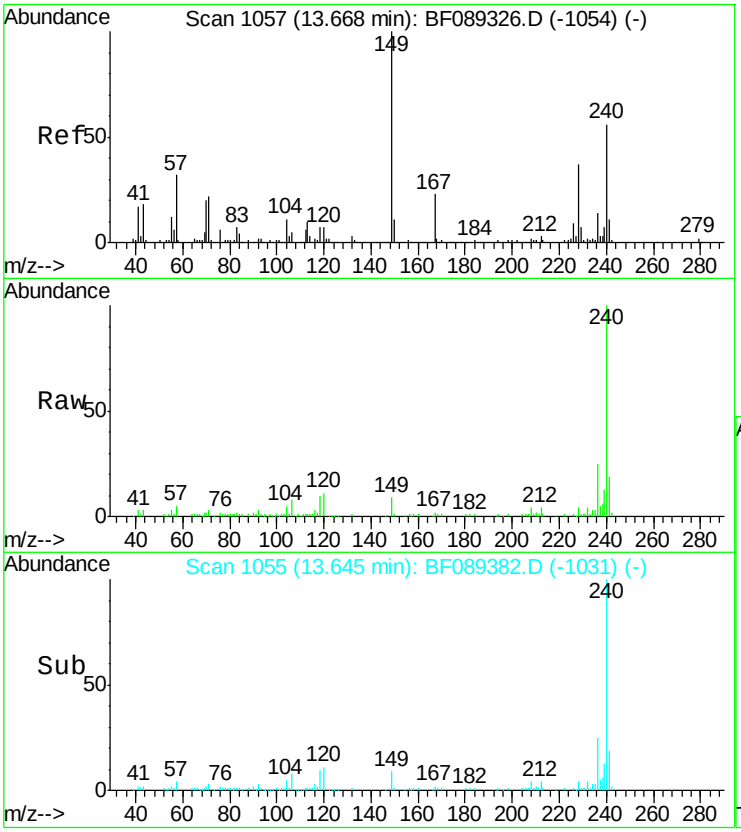


#74
Fluoranthene
Concen: 4.42 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:202 Resp: 35228

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	29.9
203	16.4	0.0	37.3



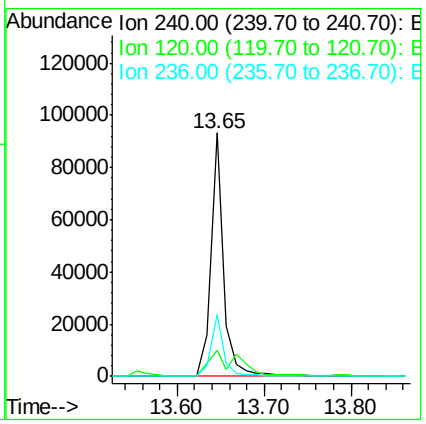


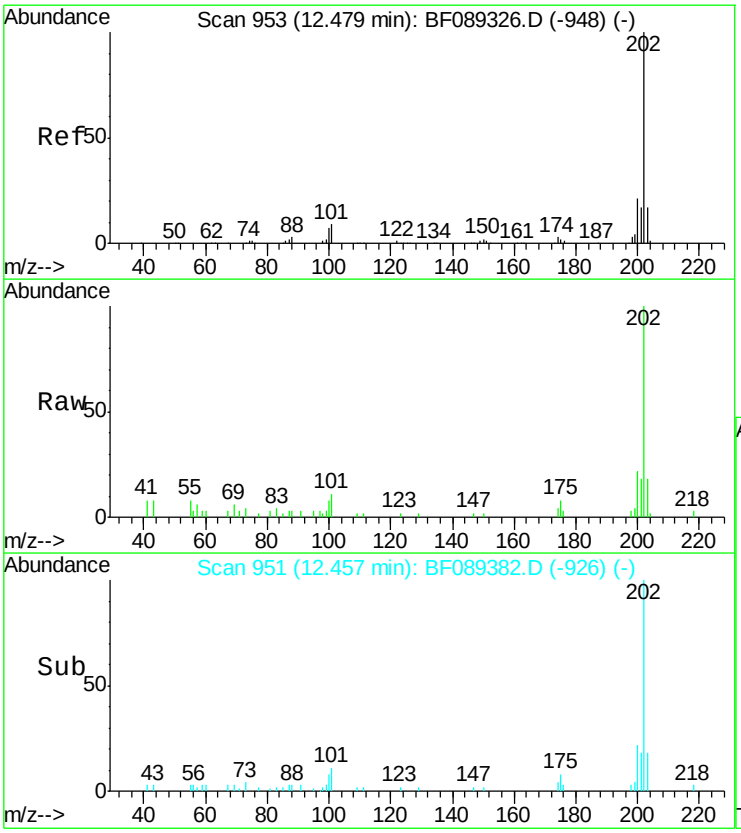
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:240 Resp: 96371

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.1	13.7
236	25.3	20.6	30.8

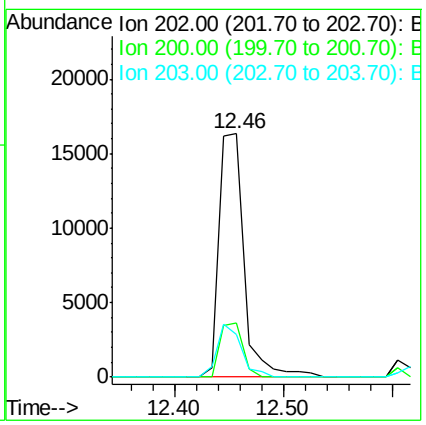


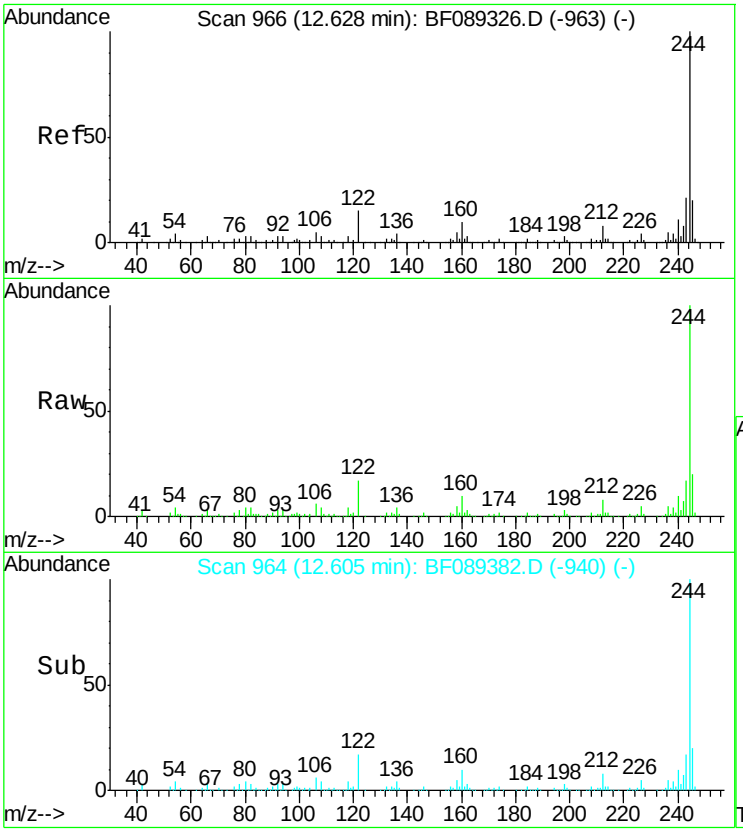


#77
Pyrene
Concen: 3.57 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:202 Resp: 26059

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.9	25.3
203	17.7	14.0	21.0



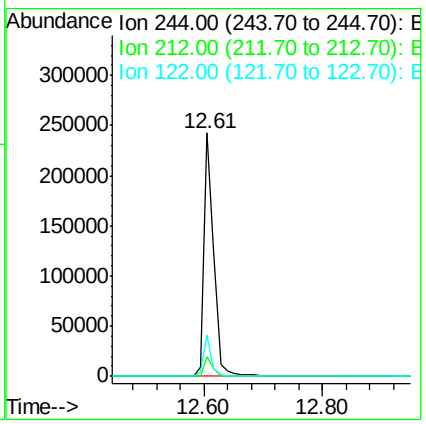


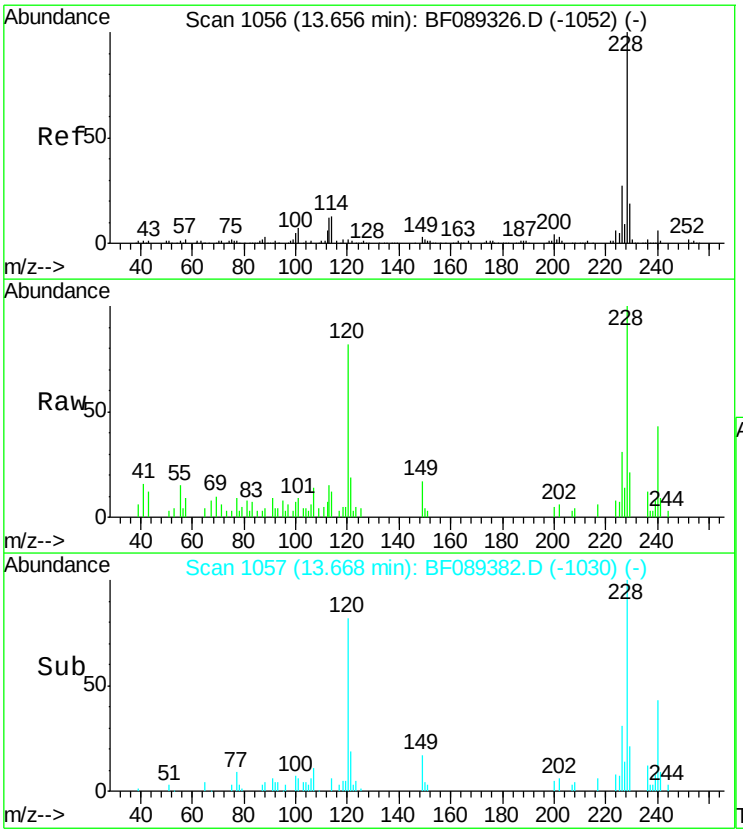
#78
Terphenyl-d14
Concen: 68.60 ng
RT: 12.61 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:244 Resp: 282449

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	17.0	11.4	17.0

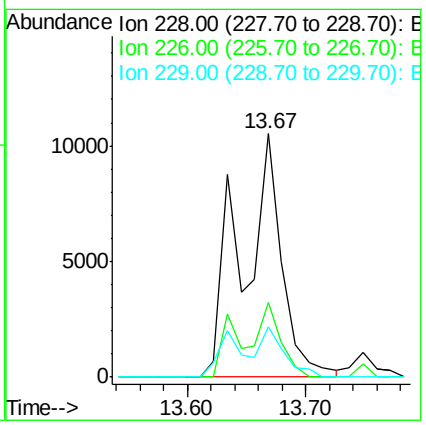


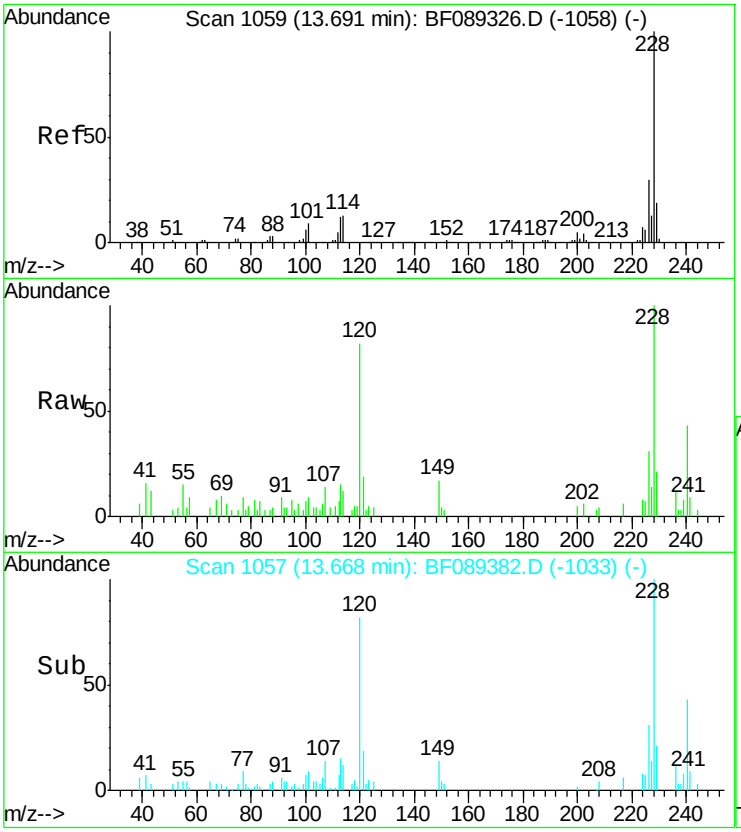


#80
Benzo(a)anthracene
Concen: 4.49 ng
RT: 13.67 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:228 Resp: 24419

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.4	32.2
229	20.9	15.9	23.9



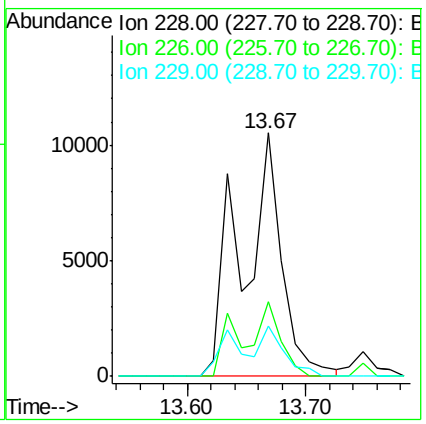


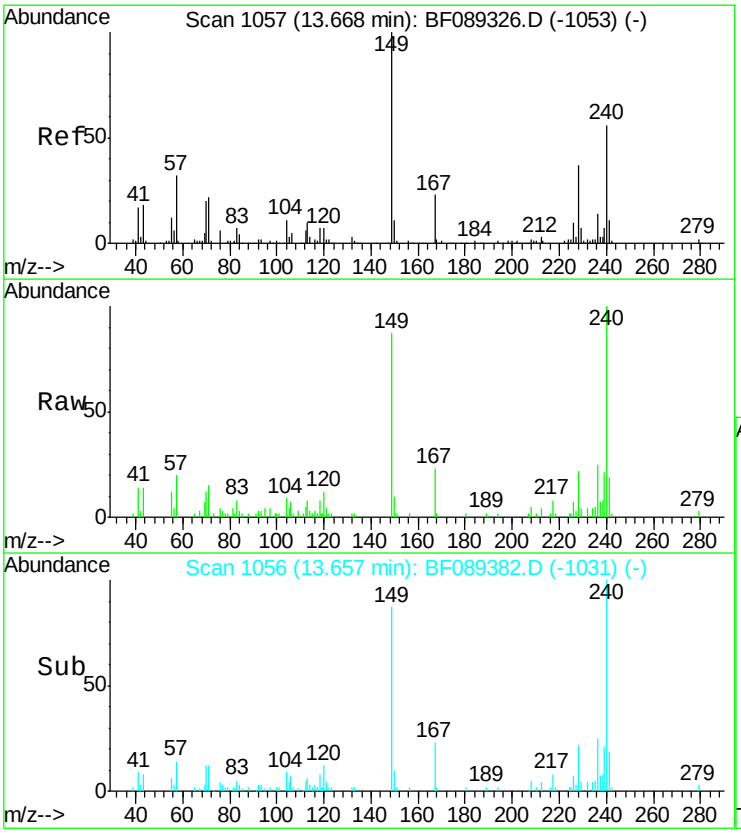
#82
Chrysene
Concen: 4.22 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:228 Resp: 24419

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	20.9	15.9	23.9

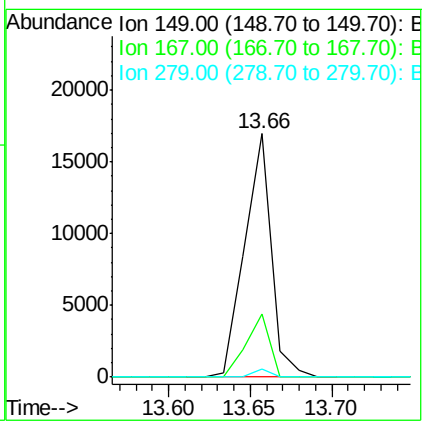


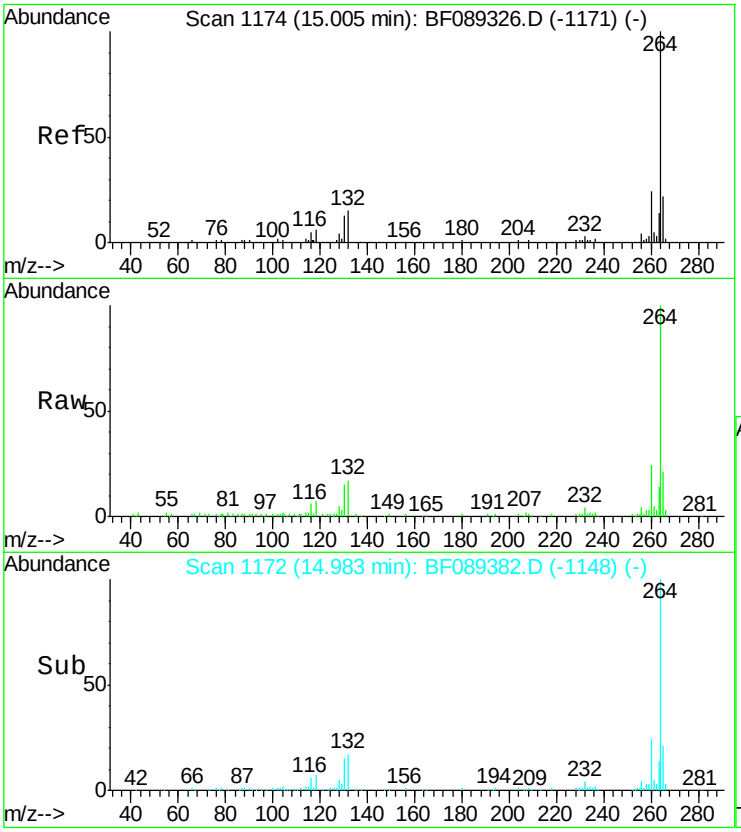


#83
Bis(2-ethylhexyl)phthalate
Concen: 3.99 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:149 Resp: 19176

Ion	Ratio	Lower	Upper
149	100		
167	26.0	18.8	28.2
279	3.6	1.4	2.0#



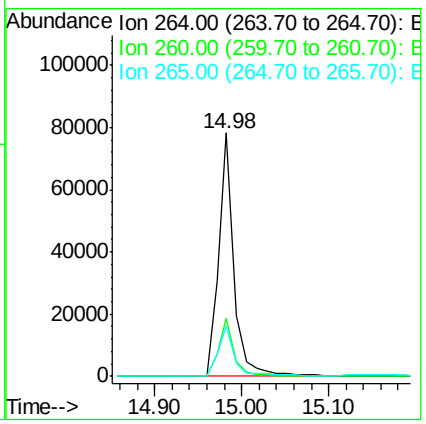


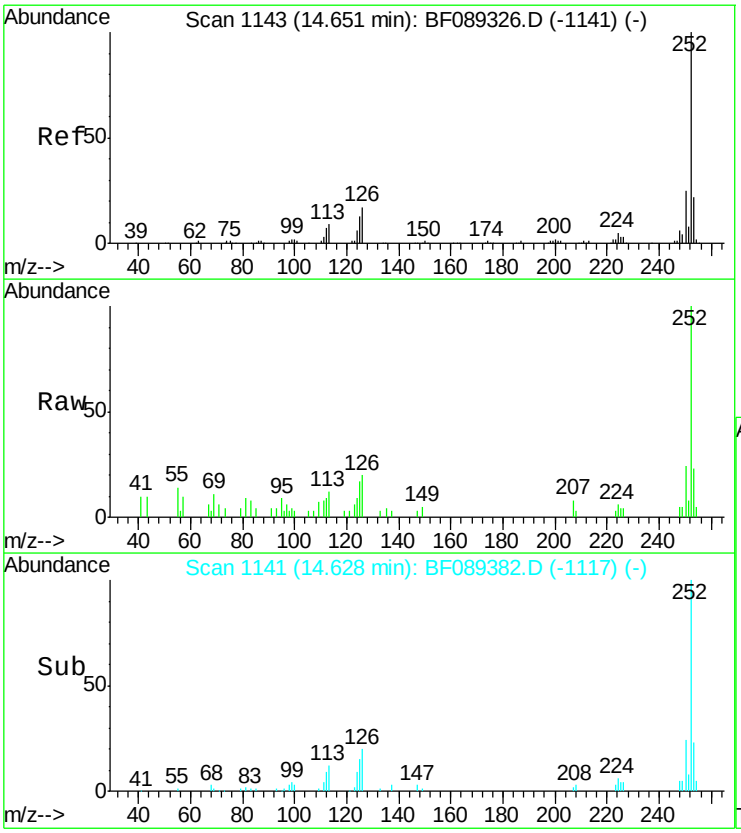
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:264 Resp: 96765

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	20.9	17.5	26.3

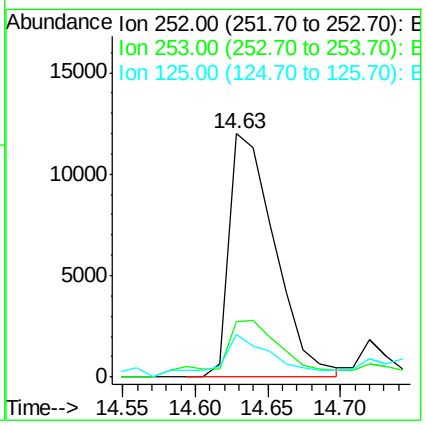


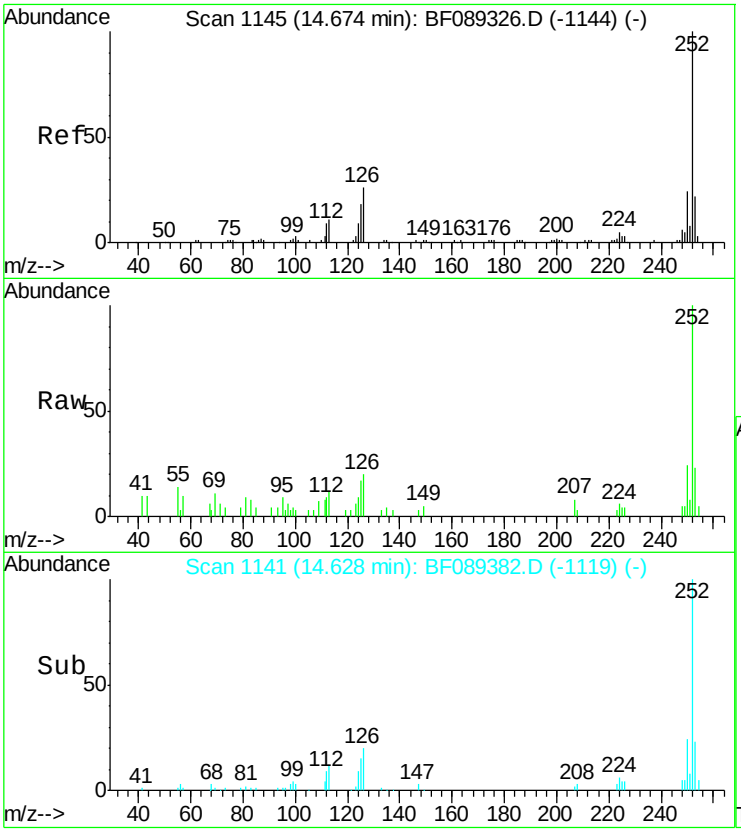


#87
Benzo(b)fluoranthene
Concen: 4.36 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:252 Resp: 26217

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	17.4	9.7	14.5#



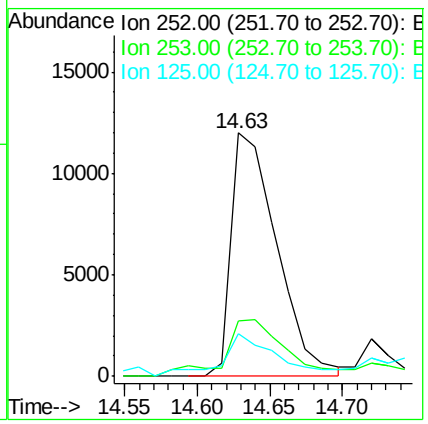


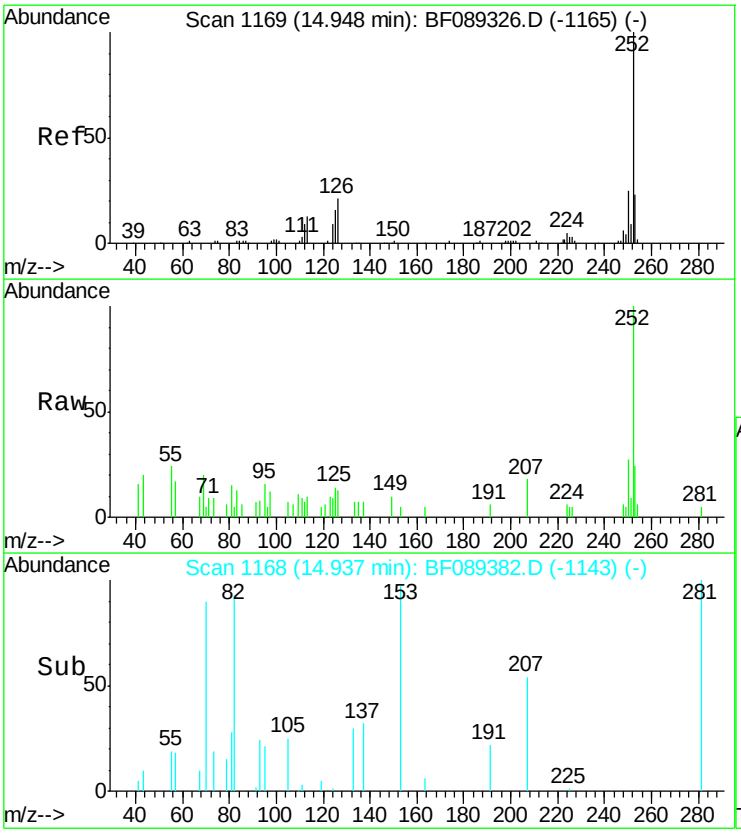
#88
Benzo(k)fluoranthene
Concen: 4.75 ng
RT: 14.63 min Scan# 1141
Delta R.T. -0.05 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Instrument :
BNA_F
ClientSampleId :
SB-34-0.5-1.0

Tgt Ion:252 Resp: 26217

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	17.4	10.7	16.1#





#89
Benzo(a)pyrene
Concen: 2.01 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF089382.D
Acq: 29 Jul 2016 00:39

Tgt Ion:252 Resp: 10856

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	13.8	12.4	18.6