Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
Data File : BF089386.D
Acq On : 29 Jul 2016 2:35
Operator : UM/SJ
Sample : H4216-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4(LOT112)0-1

Quant Time: Jul 29 03:23:34 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	45871	20.00	ng		-0.02
21) Naphthalene-d8	7.82	136	172401	20.00	ng		-0.01
38) Acenaphthene-d10	9.55	164	77091	20.00	ng		-0.02
63) Phenanthrene-d10	11.03	188	122481	20.00	ng		-0.02
75) Chrysene-d12	13.65	240	95654	20.00	ng		-0.02
86) Perylene-d12	14.98	264	81315	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	252196	87.79	ng		-0.01
7) Phenol-d6	6.18	99	323712	85.26	ng		-0.02
23) Nitrobenzene-d5	7.10	82	215008	73.61	ng		-0.02
41) 2,4,6-Tribromophenol	10.34	330	52151	81.68	ng		-0.02
44) 2-Fluorobiphenyl	8.89	172	367862	70.03	ng		-0.02
78) Terphenyl-d14	12.60	244	234146	57.29	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	1.68	88	52525	40.39	ng	#	26
9) Benzaldehyde	6.30	77	6468	3.49	ng		90
19) n-Nitroso-di-n-propylamine	7.10	70	27945	12.21	ng	#	82
49) Dimethylphthalate	9.29	163	94568	16.12	ng		99
56) 2,4-Dinitrotoluene	9.55	165	9779	6.16	ng	#	7
66) 4-Bromophenyl-phenylether	10.34	248	3753	3.21	ng	#	1
70) Phenanthrene	11.05	178	17468	2.77	ng		98
74) Fluoranthene	12.23	202	32457	4.88	ng		98
77) Pyrene	12.46	202	30771	4.24	ng		99
80) Benzo(a)anthracene	13.63	228	15727	2.91	ng	#	87
82) Chrysene	13.63	228	15727	2.74	ng		91
85) Indeno(1,2,3-cd)pyrene	16.17	276	8784	2.15	ng		99
87) Benzo(b)fluoranthene	14.64	252	26428	5.23	ng	#	90
88) Benzo(k)fluoranthene	14.64	252	26428	5.69	ng	#	93
89) Benzo(a)pyrene	14.94	252	14055	3.10	ng		96
91) Benzo(g,h,i)perylene	16.53	276	8558	2.44	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
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Acq On : 29 Jul 2016 2:35
Operator : UM/SJ
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Misc :
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Instrument :
BNA_F
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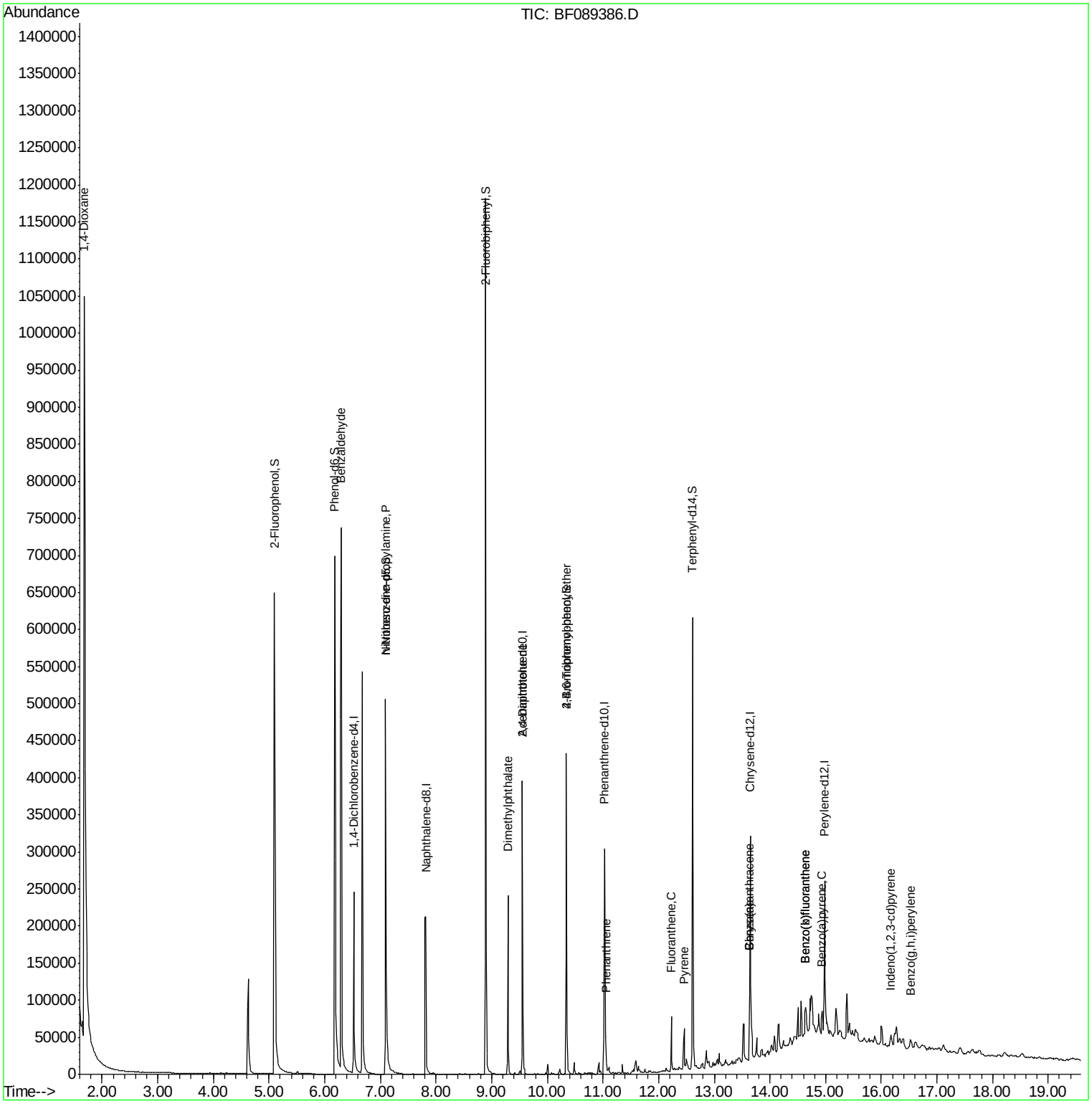
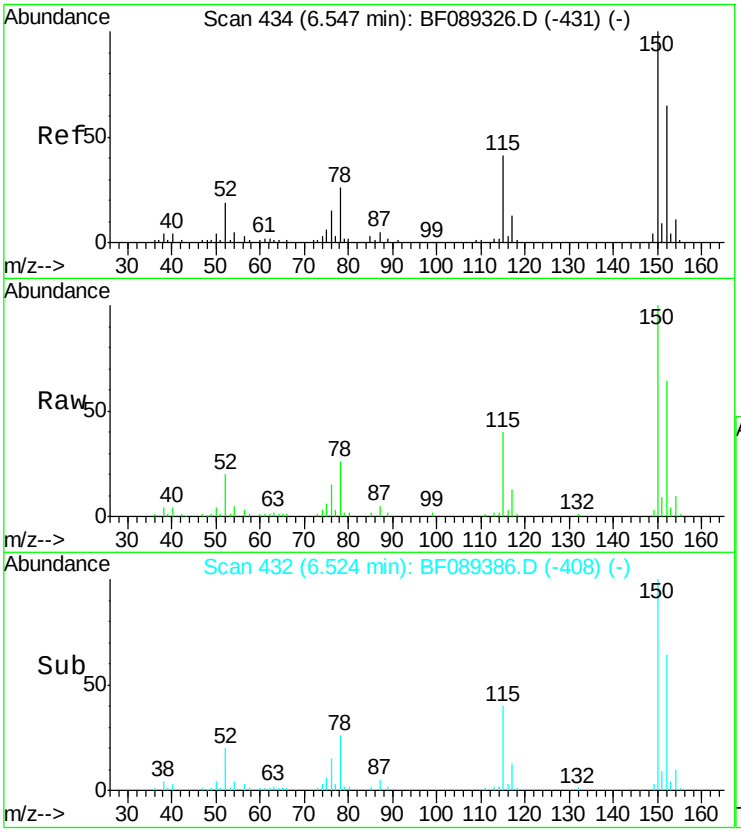
SP-4(LOT112)0-1

Quant Time: Jul 29 03:23:34 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



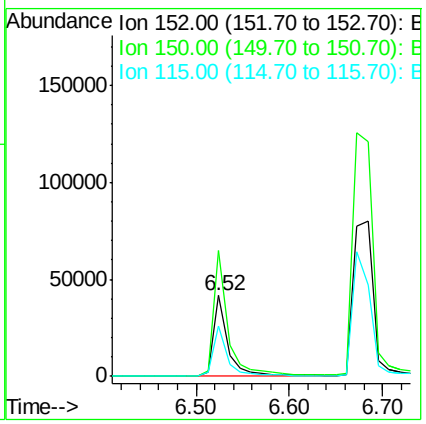


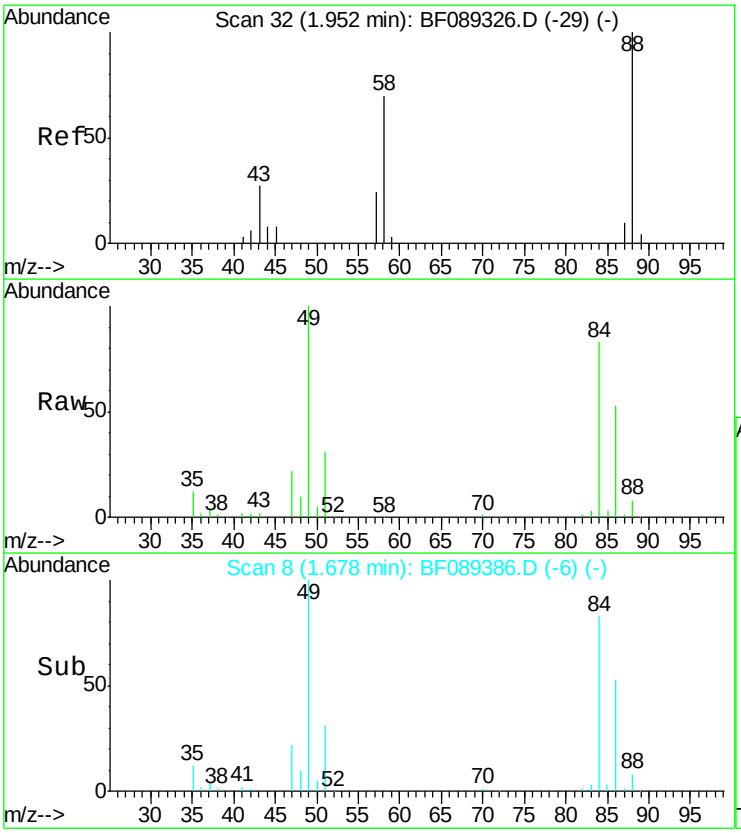
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:152 Resp: 45871

Ion	Ratio	Lower	Upper
152	100		
150	155.7	129.5	194.3
115	63.0	51.4	77.2

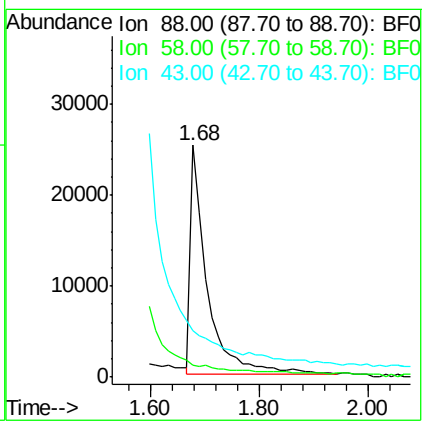


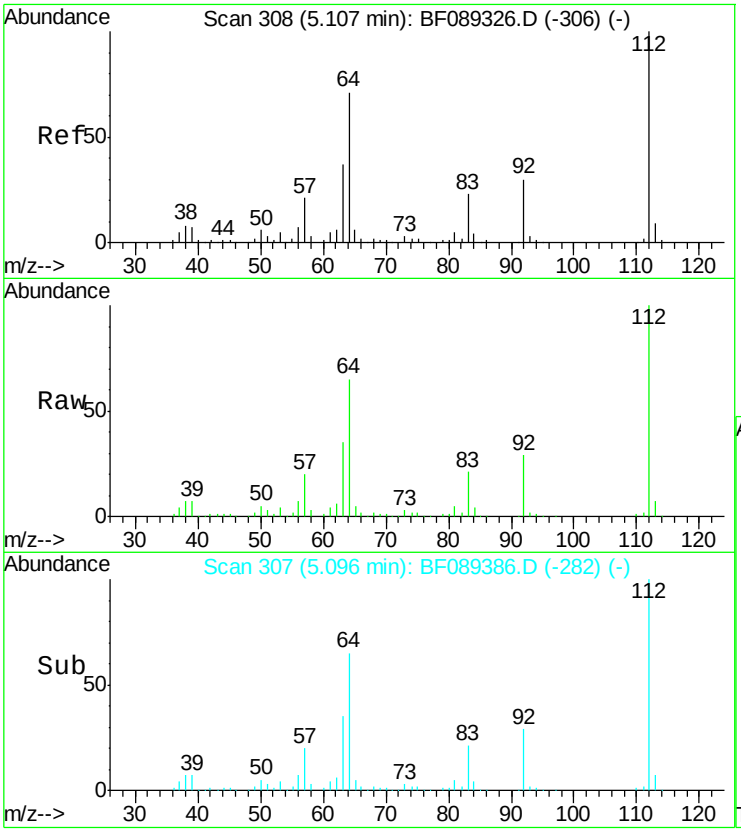


#2
1,4-Dioxane
Concen: 40.39 ng
RT: 1.68 min Scan# 8
Delta R.T. -0.27 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion: 88 Resp: 52525

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



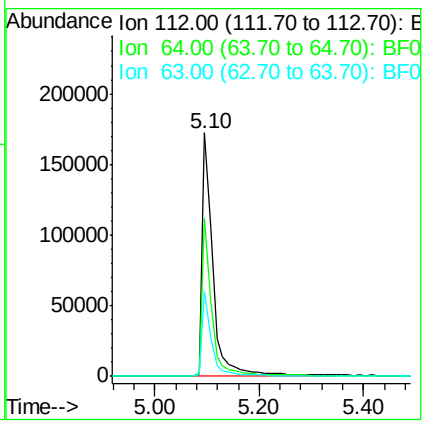


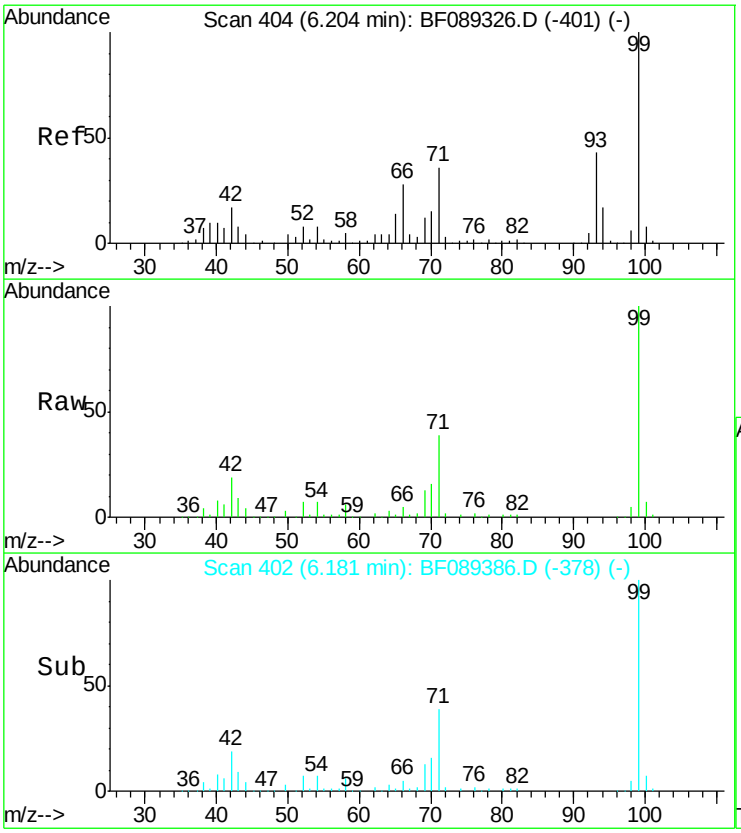
#5
2-Fluorophenol
Concen: 87.79 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:112 Resp: 252196

Ion	Ratio	Lower	Upper
112	100		
64	64.6	55.0	82.6
63	34.9	29.4	44.2

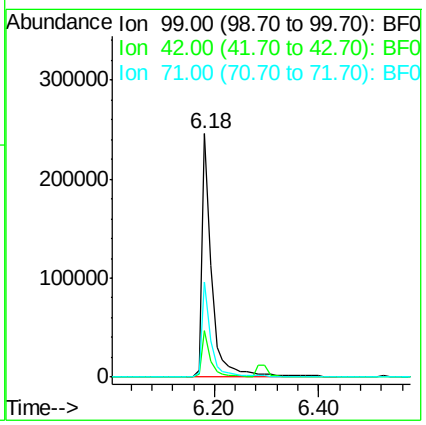


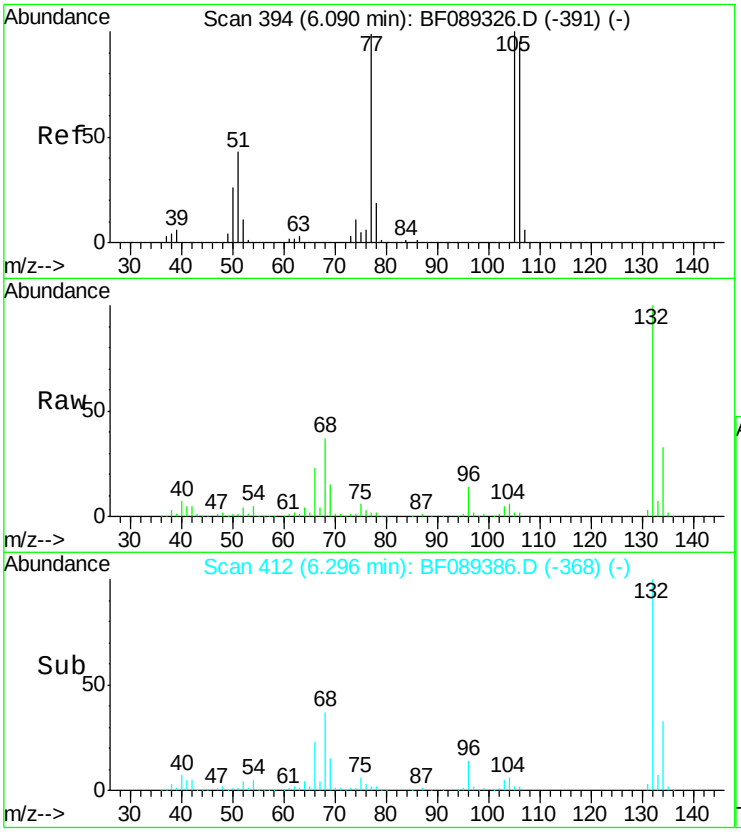


#7
Phenol-d6
Concen: 85.26 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion: 99 Resp: 323712

Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.6	20.4
71	39.1	29.4	44.2



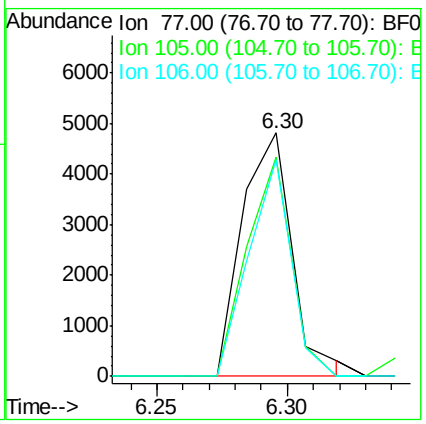


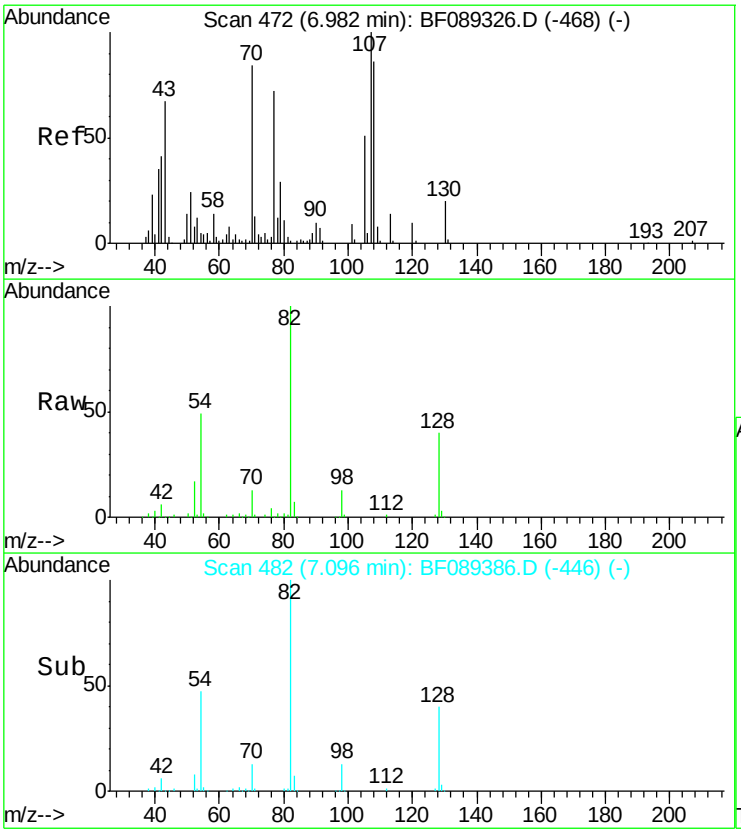
#9
Benzaldehyde
Concen: 3.49 ng
RT: 6.30 min Scan# 412
Delta R.T. 0.21 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion: 77 Resp: 6468

Ion	Ratio	Lower	Upper
77	100		
105	90.0	82.9	122.9
106	88.9	75.9	115.9

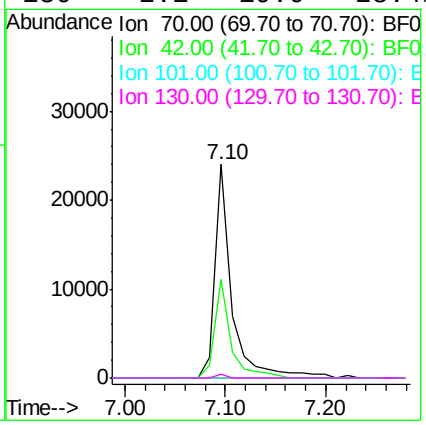


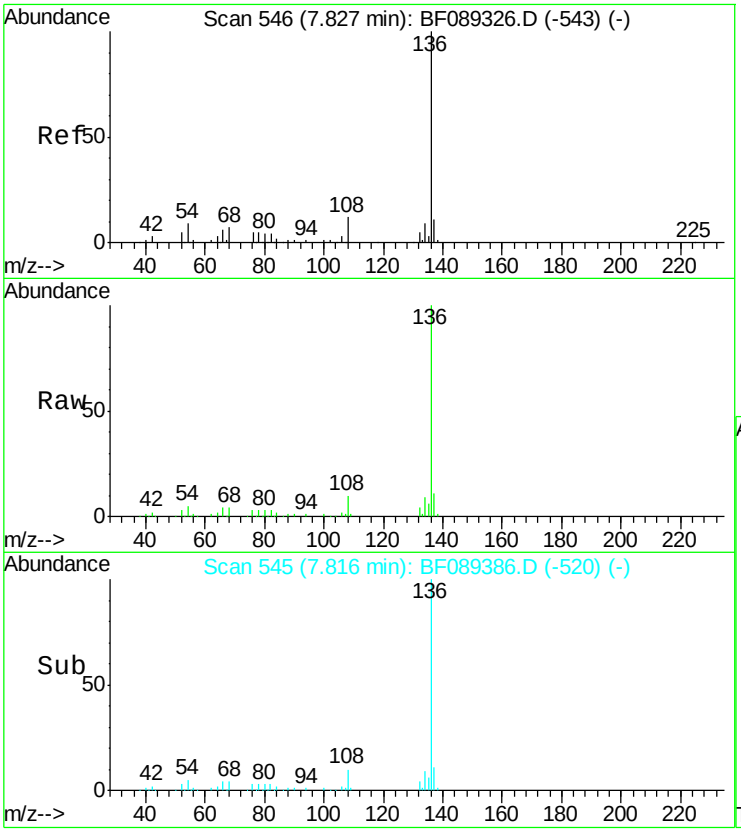


#19
n-Nitroso-di-n-propylamine
Concen: 12.21 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.11 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion: 70 Resp: 27945

Ion	Ratio	Lower	Upper
70	100		
42	46.0	38.6	57.8
101	0.0	8.3	12.5#
130	2.1	19.0	28.4#



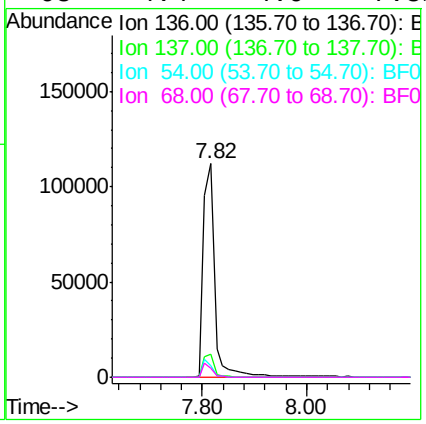


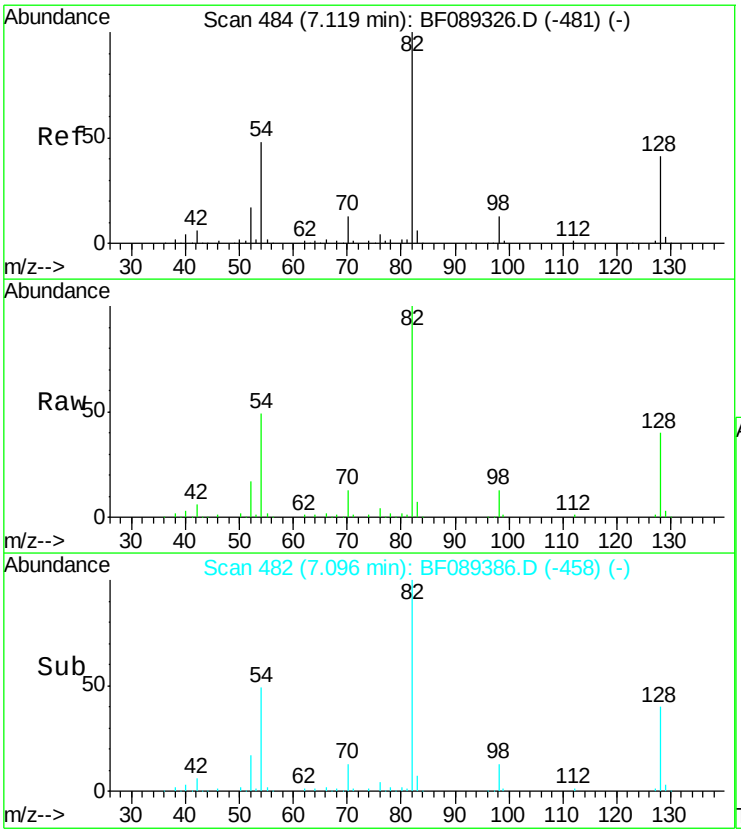
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:136 Resp: 172401

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	5.2	7.0	10.4#
68	4.4	4.9	7.3#

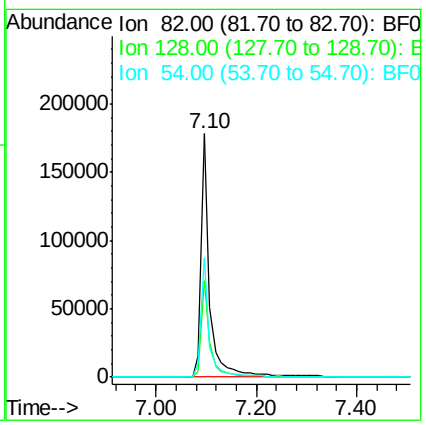


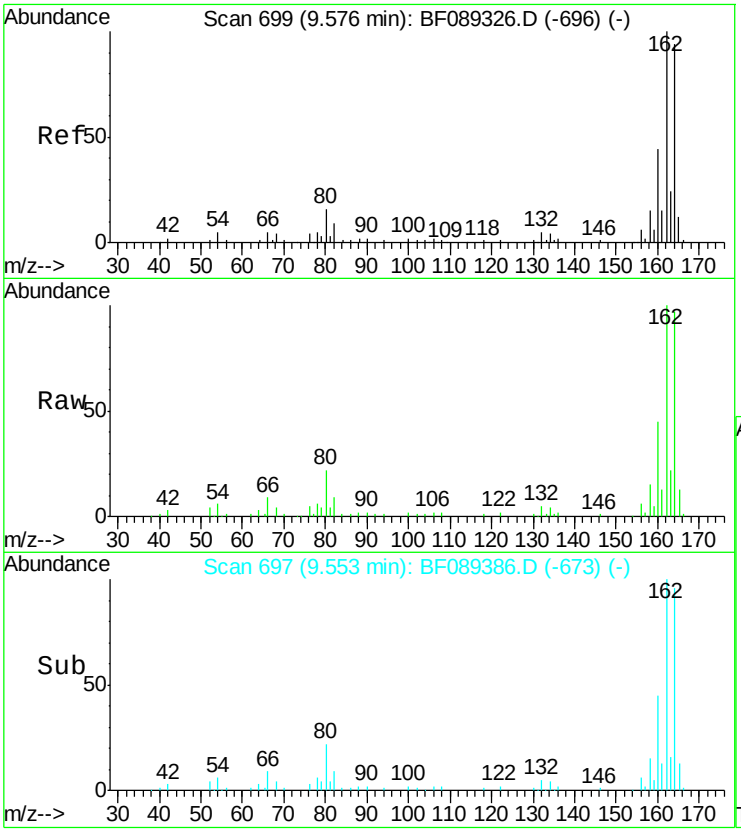


#23
Nitrobenzene-d5
Concen: 73.61 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion: 82 Resp: 215008

Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.5	48.7
54	49.2	38.8	58.2



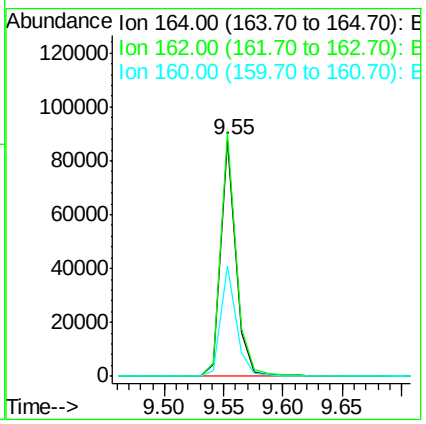


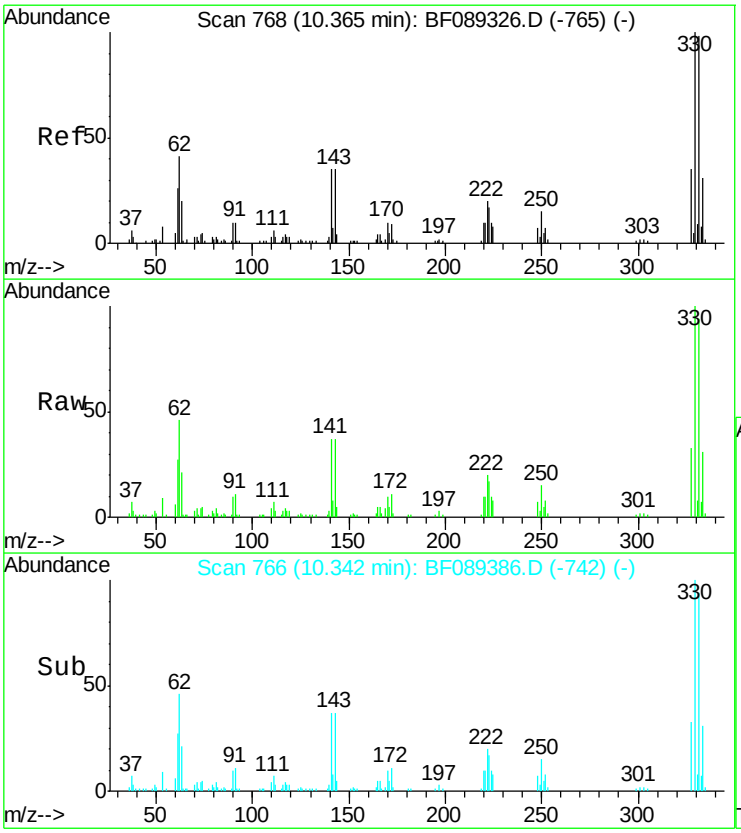
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:164 Resp: 77091

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.7	125.5
160	46.9	37.8	56.6

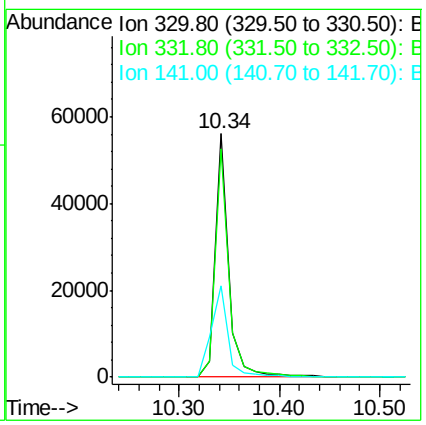


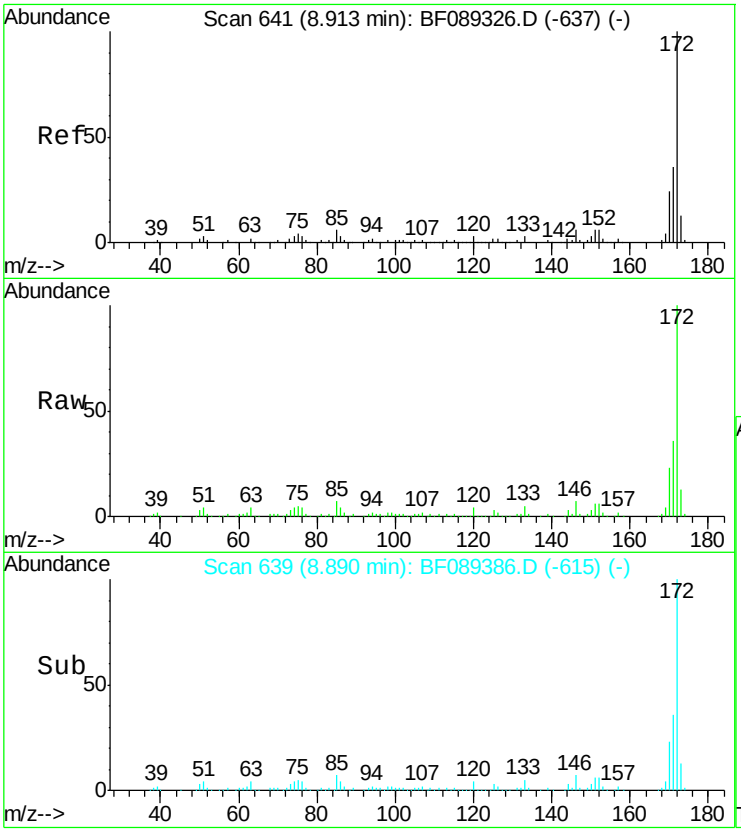


#41
2,4,6-Tribromophenol
Concen: 81.68 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:330 Resp: 52151

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.8	115.2
141	46.2	37.3	55.9



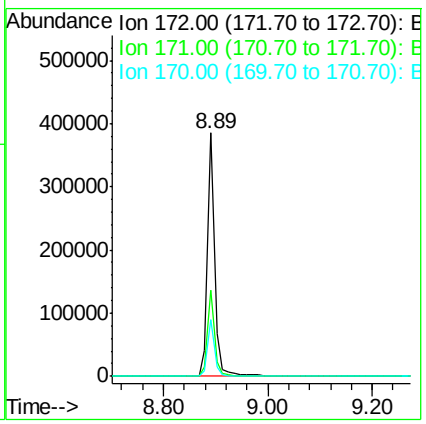


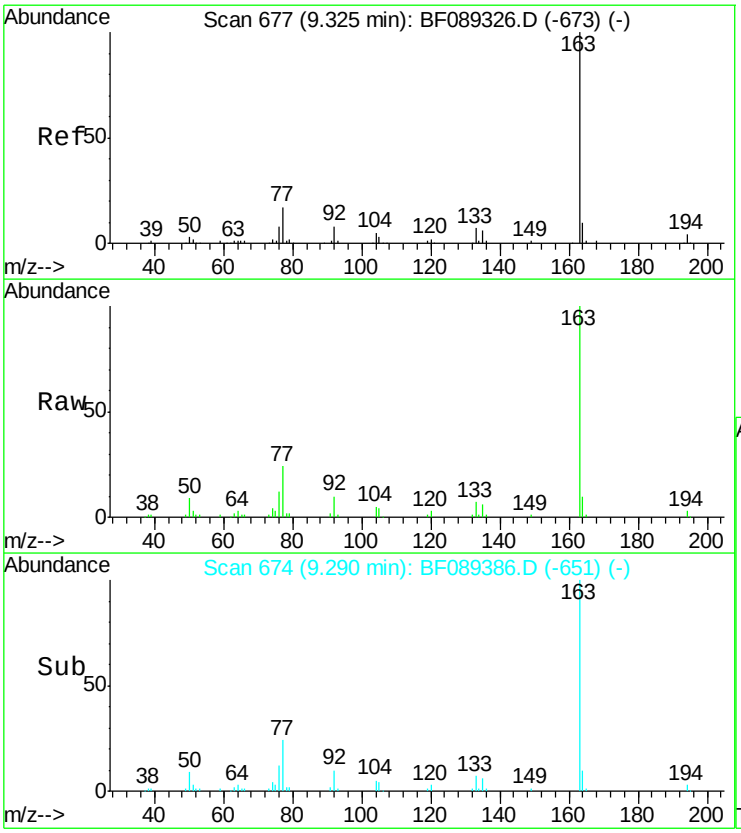
#44
2-Fluorobiphenyl
Concen: 70.03 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:172 Resp: 367862

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.3	19.2	28.8

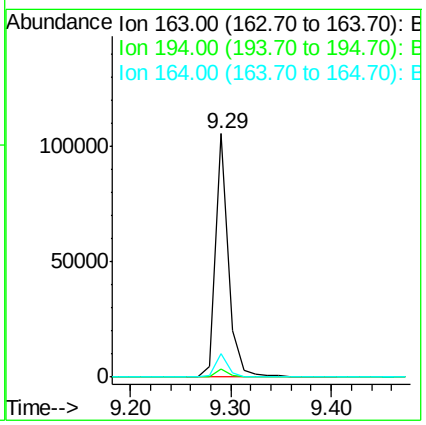


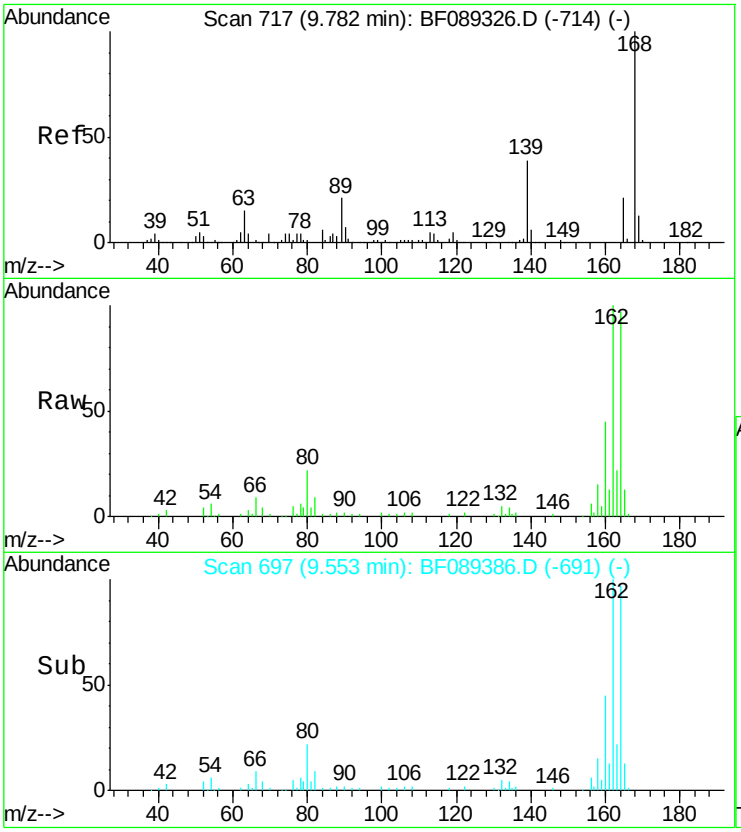


#49
Dimethylphthalate
Concen: 16.12 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:163 Resp: 94568

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	9.9	7.8	11.8



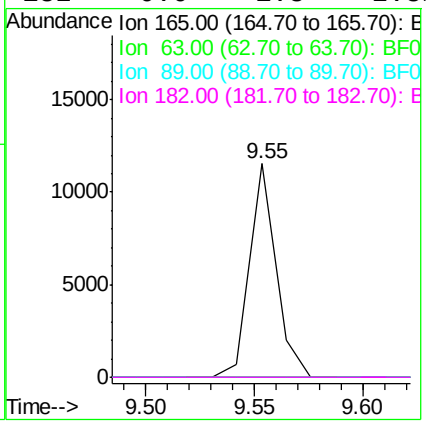


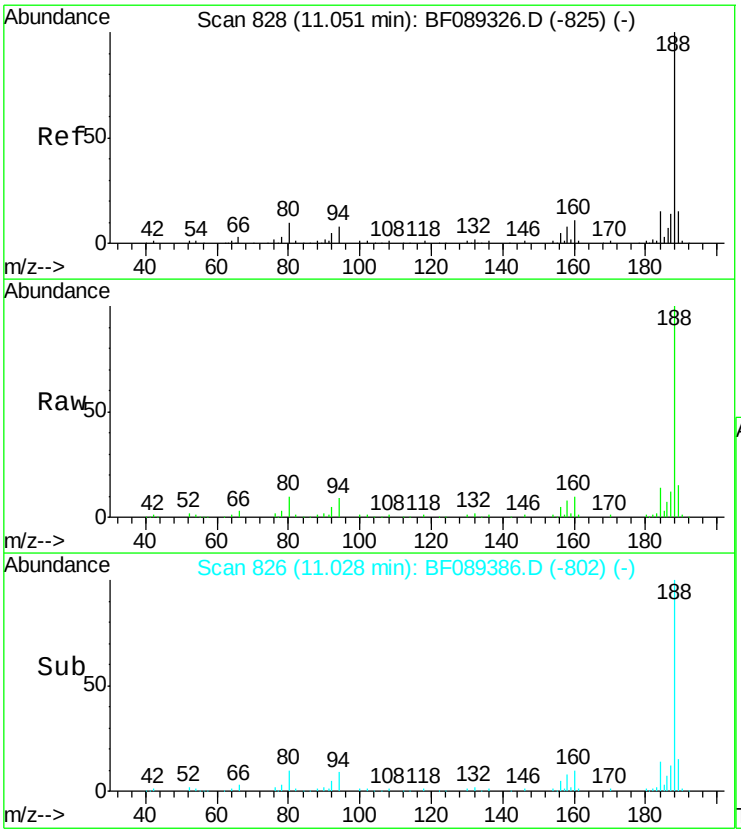
#56
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.23 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:165 Resp: 9779

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#

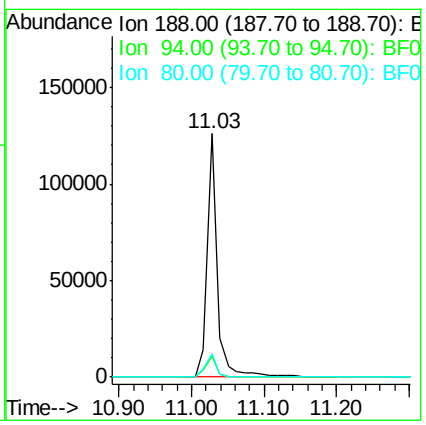


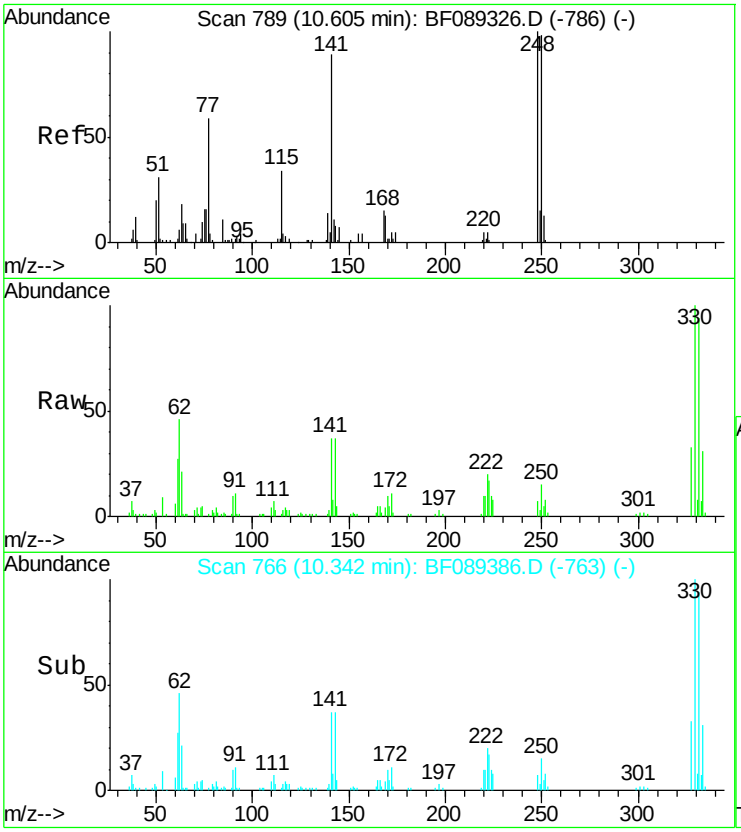


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:188 Resp: 122481

Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.5	9.7
80	9.5	7.2	10.8



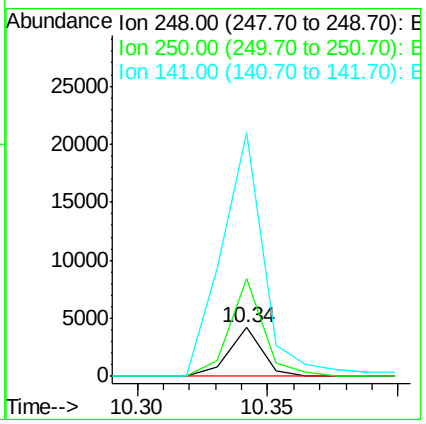


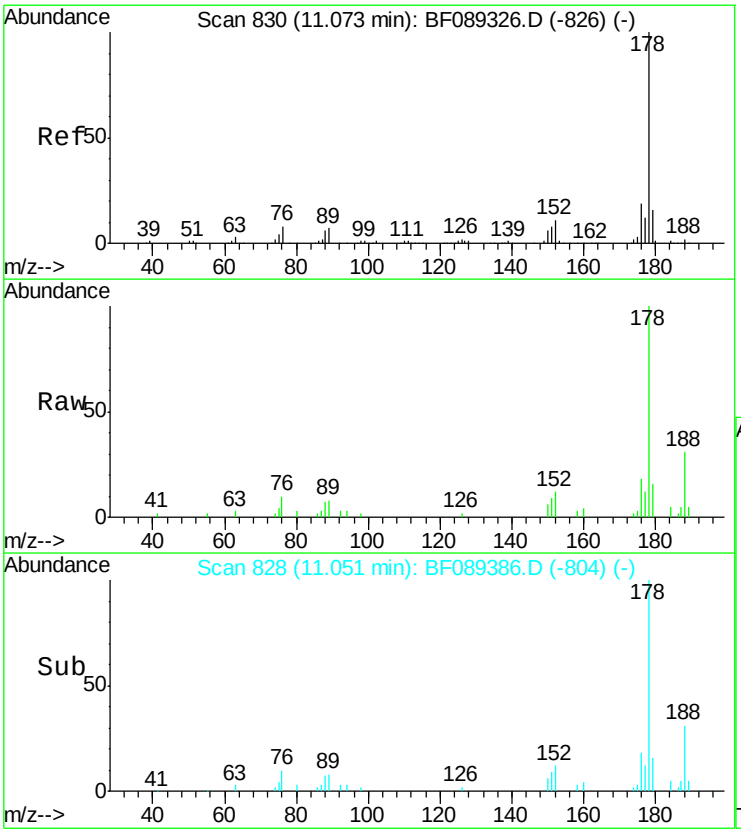
#66
4-Bromophenyl-phenylether
Concen: 3.21 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.26 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:248 Resp: 3753

Ion	Ratio	Lower	Upper
248	100		
250	199.0	78.2	117.2#
141	498.5	62.0	93.0#

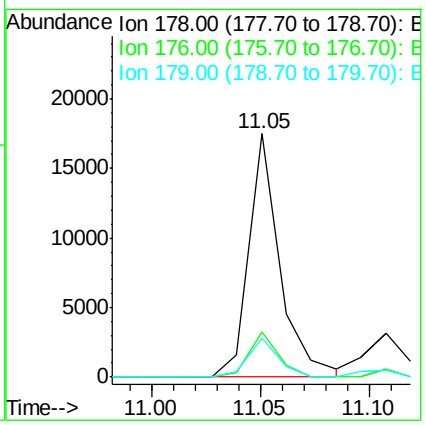


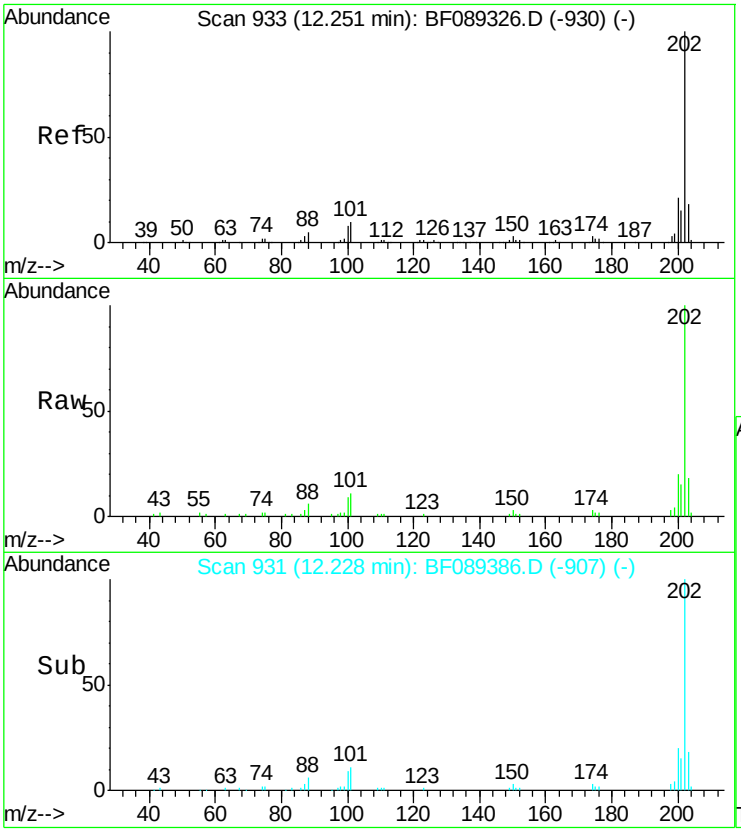


#70
Phenanthrene
Concen: 2.77 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:178 Resp: 17468

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.7	12.3	18.5



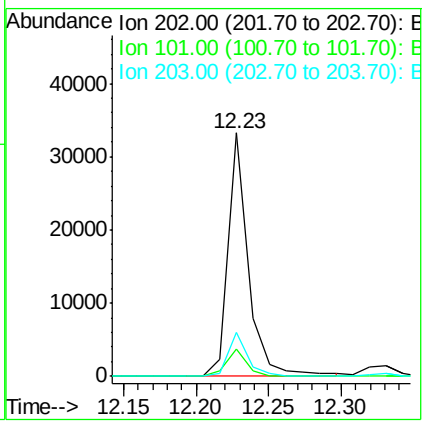


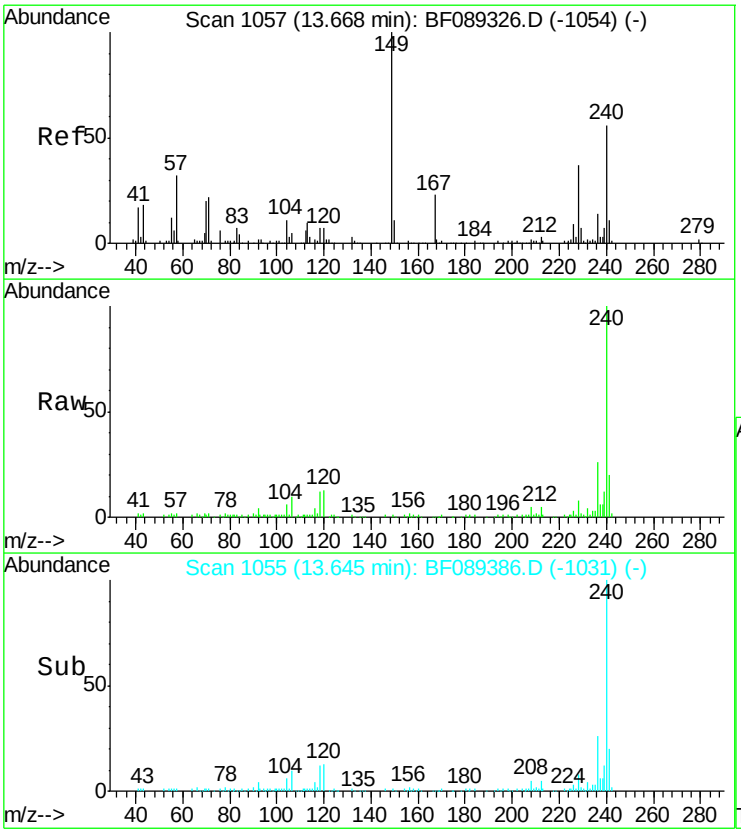
#74
Fluoranthene
Concen: 4.88 ng
RT: 12.23 min Scan# 931
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:202 Resp: 32457

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	29.9
203	17.8	0.0	37.3

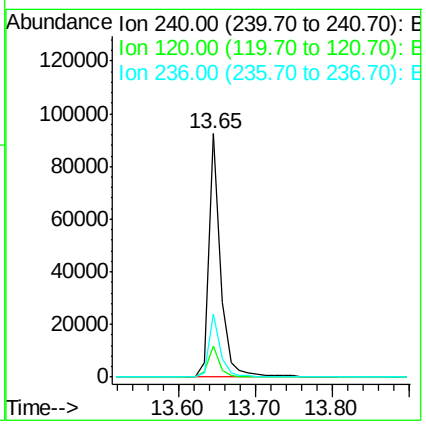


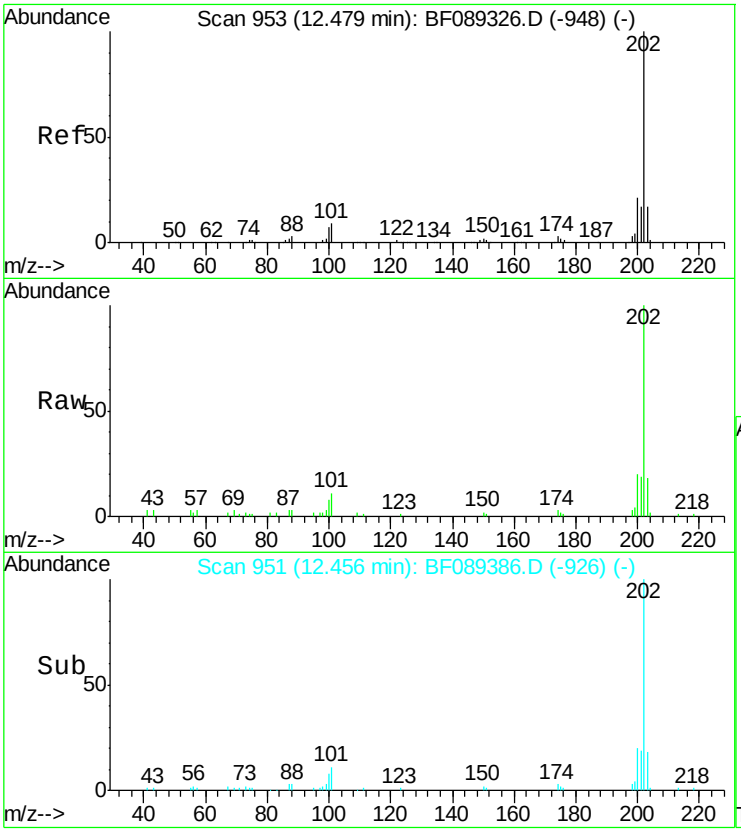


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1055
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:240 Resp: 95654

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.1	13.7
236	26.0	20.6	30.8



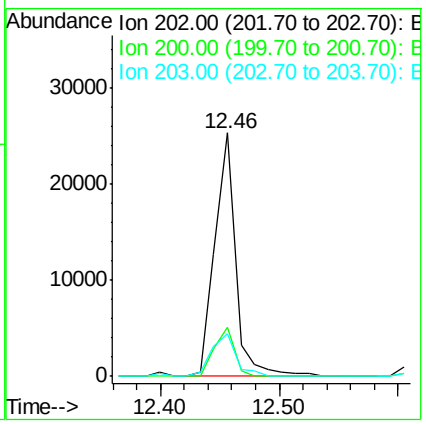


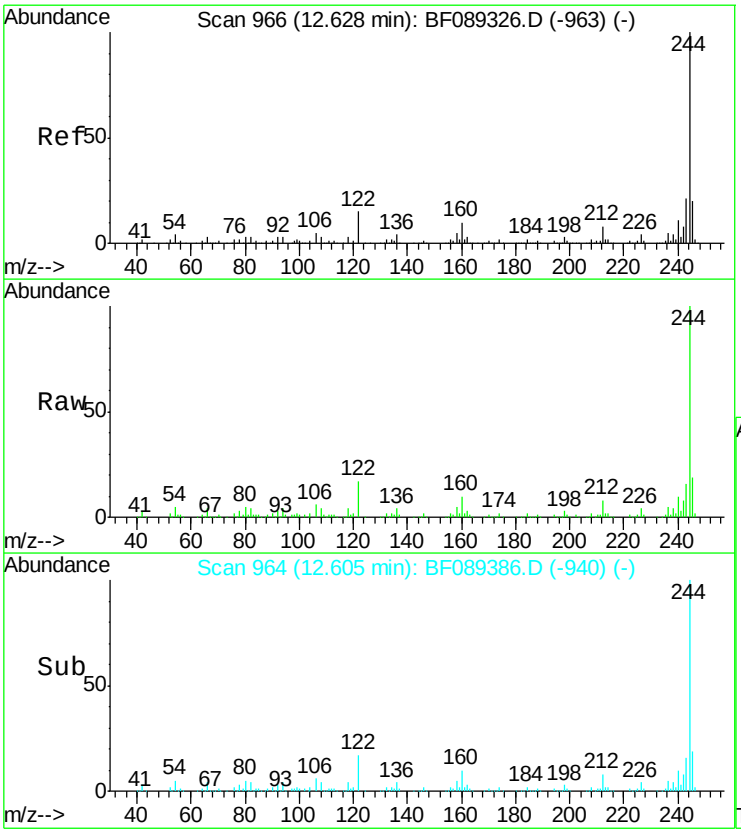
#77
Pyrene
Concen: 4.24 ng
RT: 12.46 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:202 Resp: 30771

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.9	25.3
203	17.5	14.0	21.0

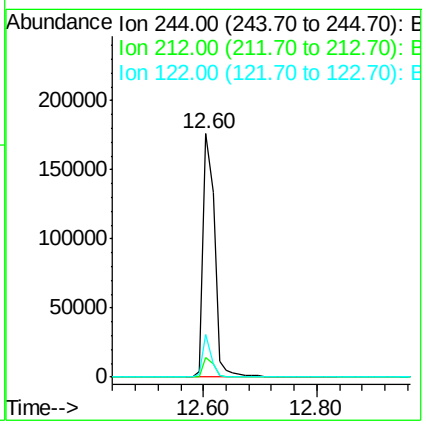


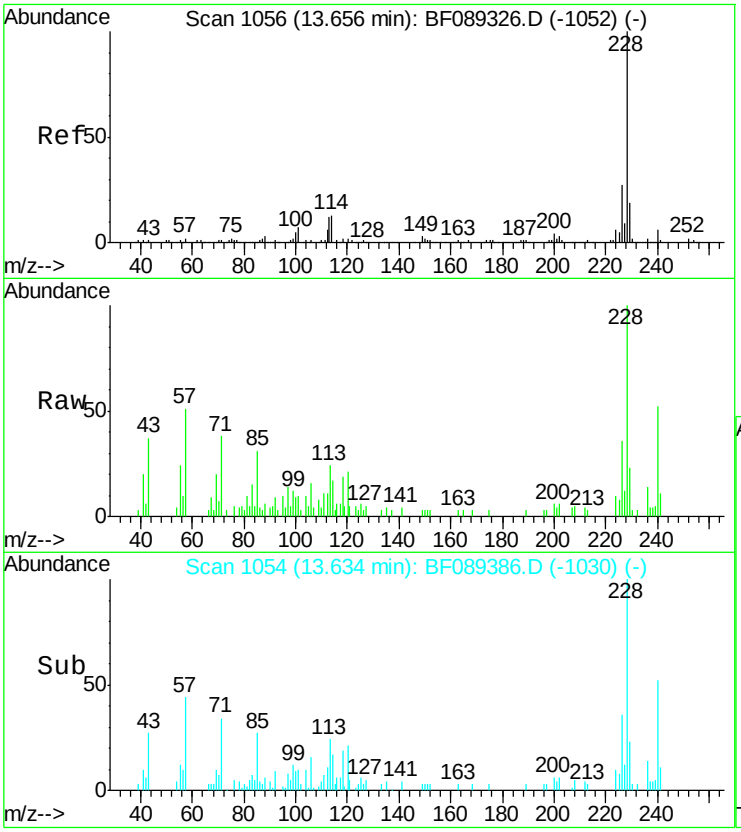


#78
Terphenyl-d14
Concen: 57.29 ng
RT: 12.60 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:244 Resp: 234146

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	17.4	11.4	17.0#



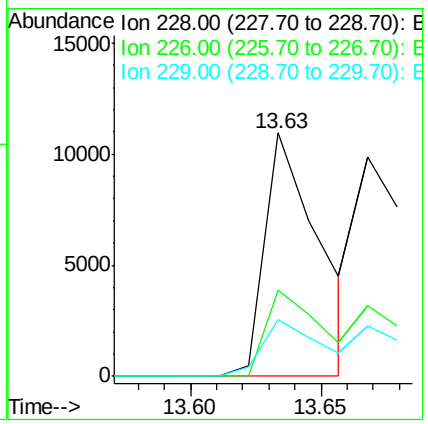


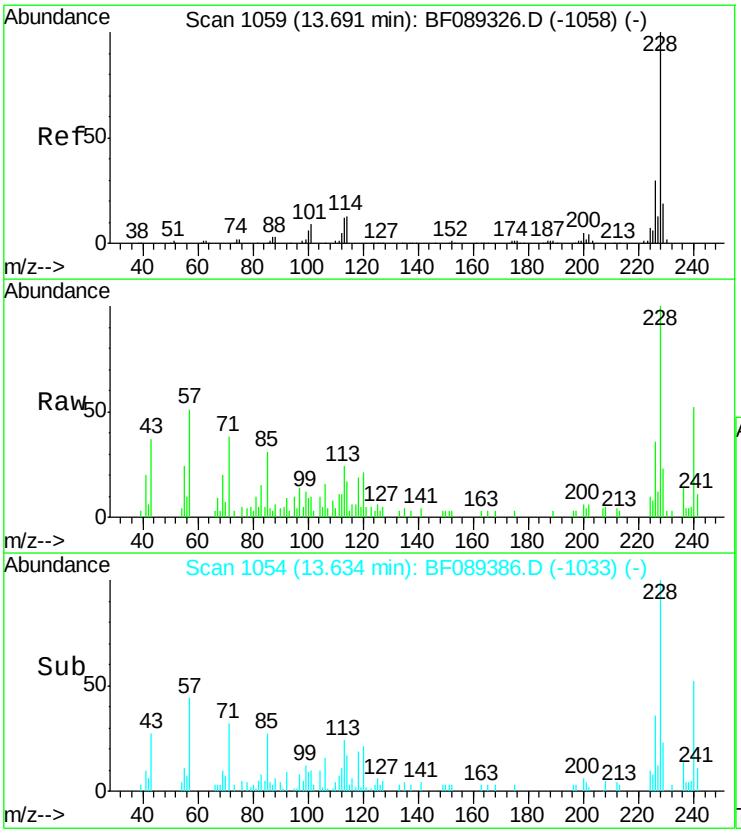
#80
Benzo(a)anthracene
Concen: 2.91 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:228 Resp: 15727

Ion	Ratio	Lower	Upper
228	100		
226	35.7	21.4	32.2#
229	23.4	15.9	23.9

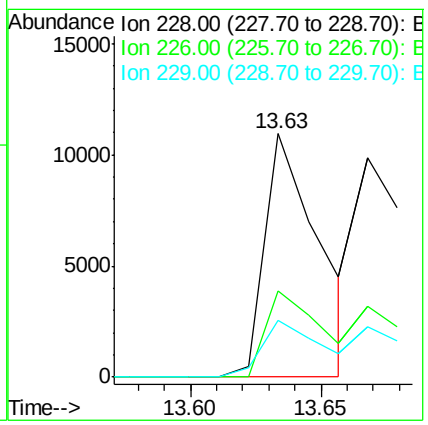


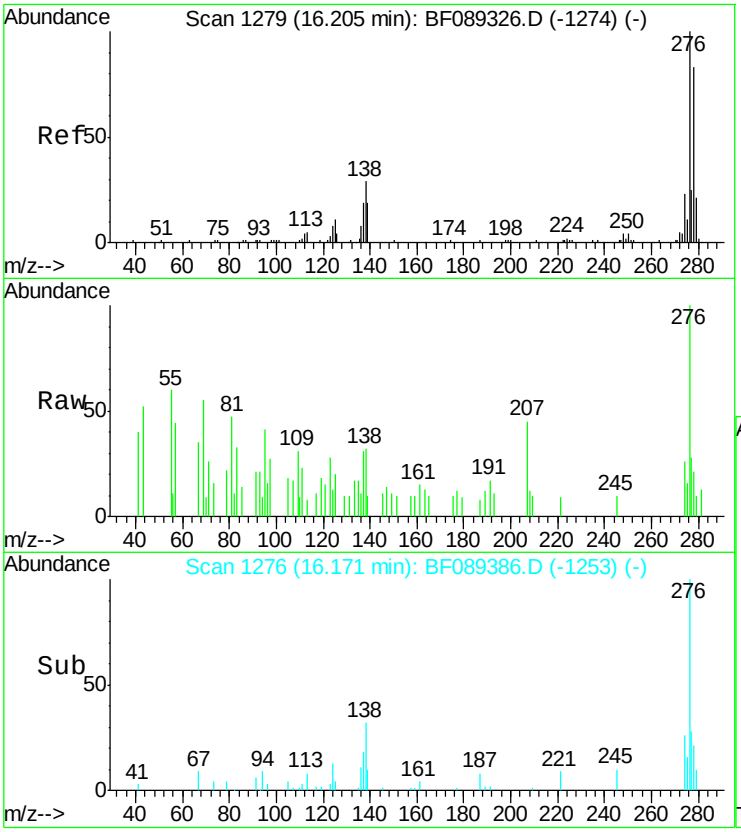


#82
Chrysene
Concen: 2.74 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.06 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:228 Resp: 15727

Ion	Ratio	Lower	Upper
228	100		
226	35.7	24.2	36.2
229	23.4	15.9	23.9



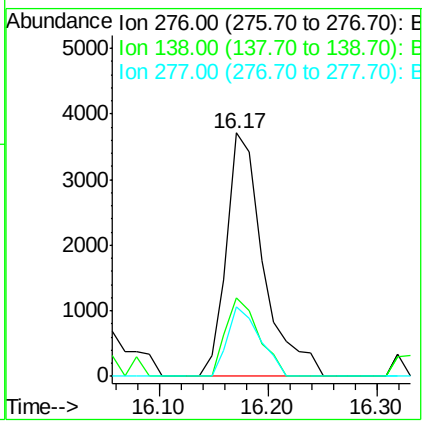


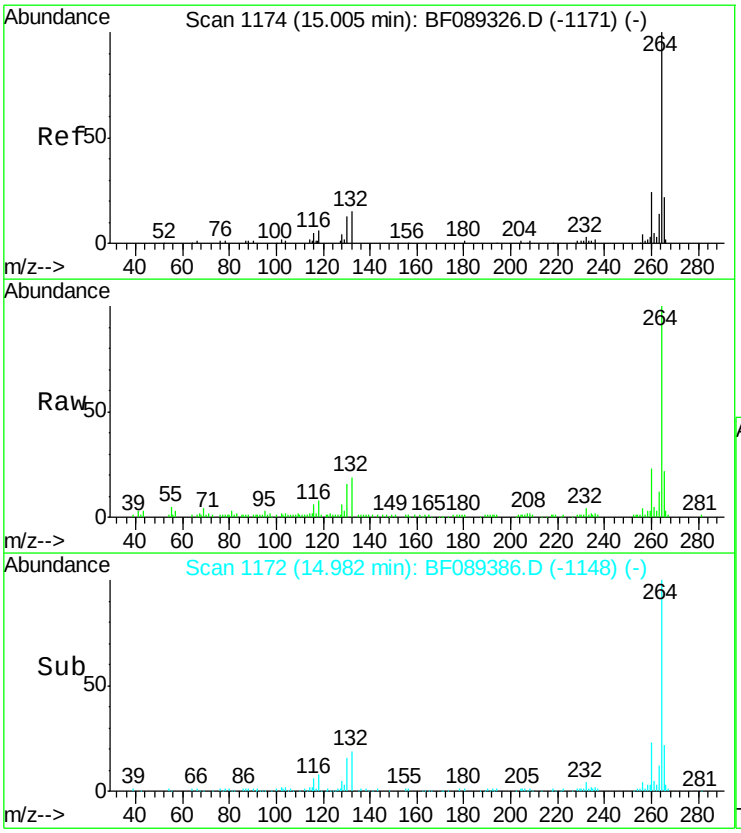
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.15 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:276 Resp: 8784

Ion	Ratio	Lower	Upper
276	100		
138	28.4	23.0	34.4
277	24.8	20.2	30.4

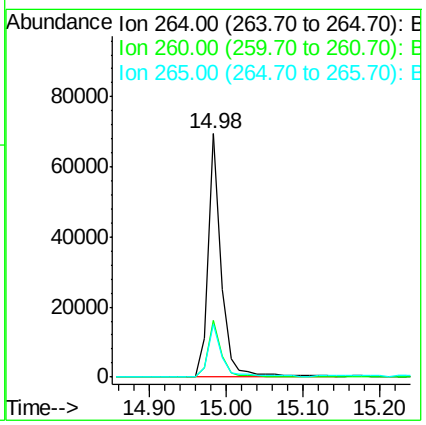


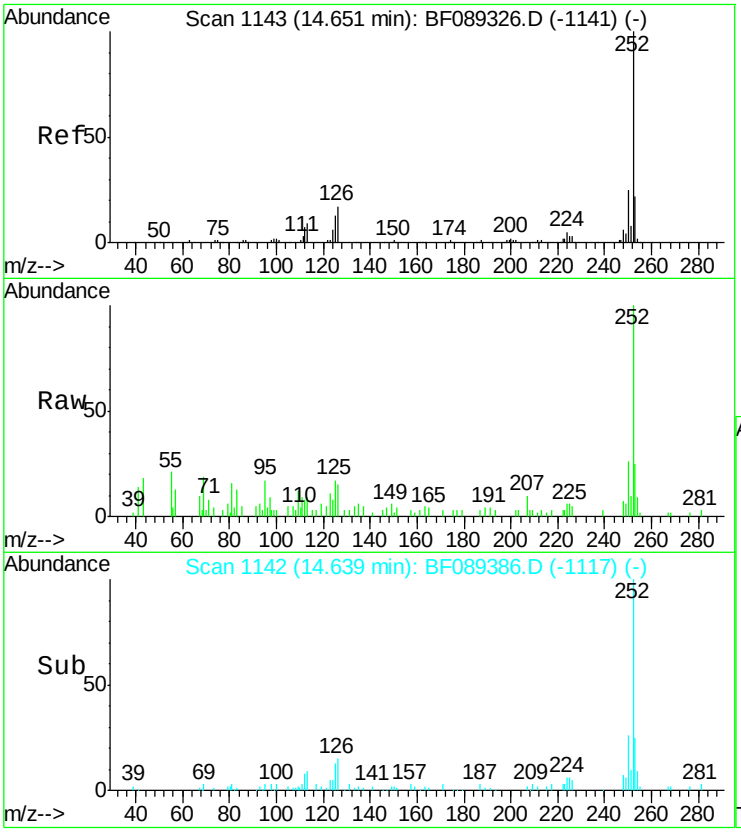


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:264 Resp: 81315

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.7	17.5	26.3



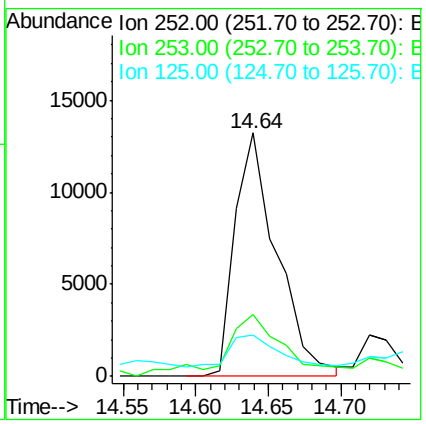


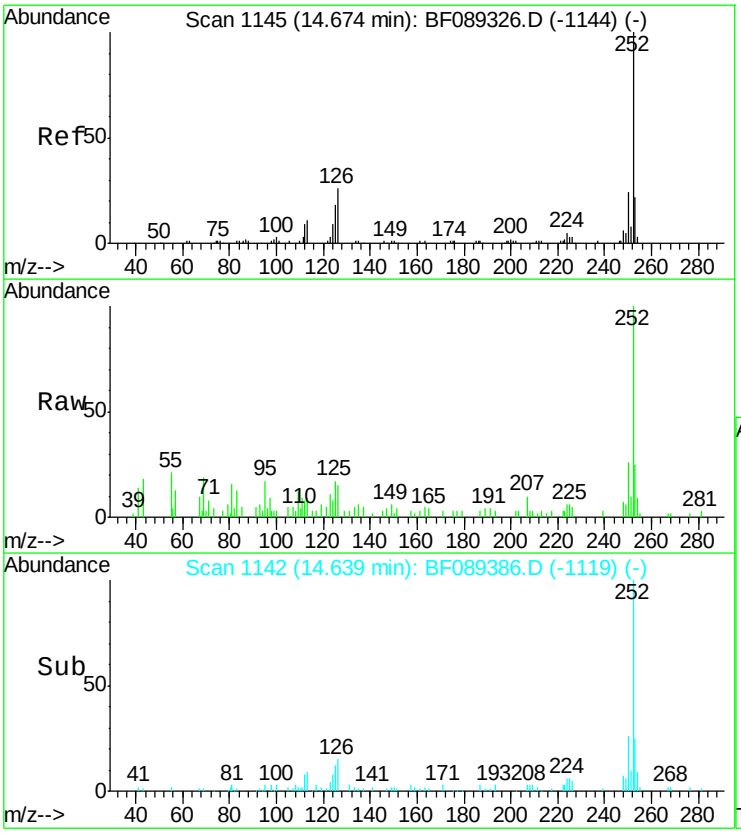
#87
Benzo(b)fluoranthene
Concen: 5.23 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:252 Resp: 26428

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.2	25.8
125	16.9	9.7	14.5#

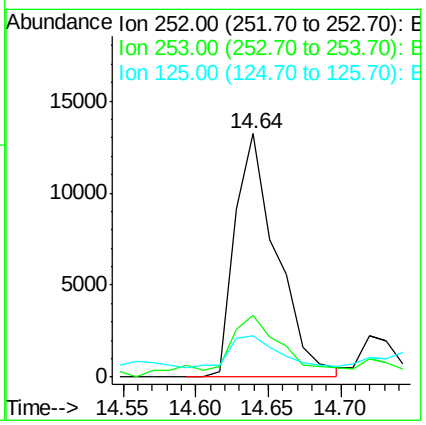


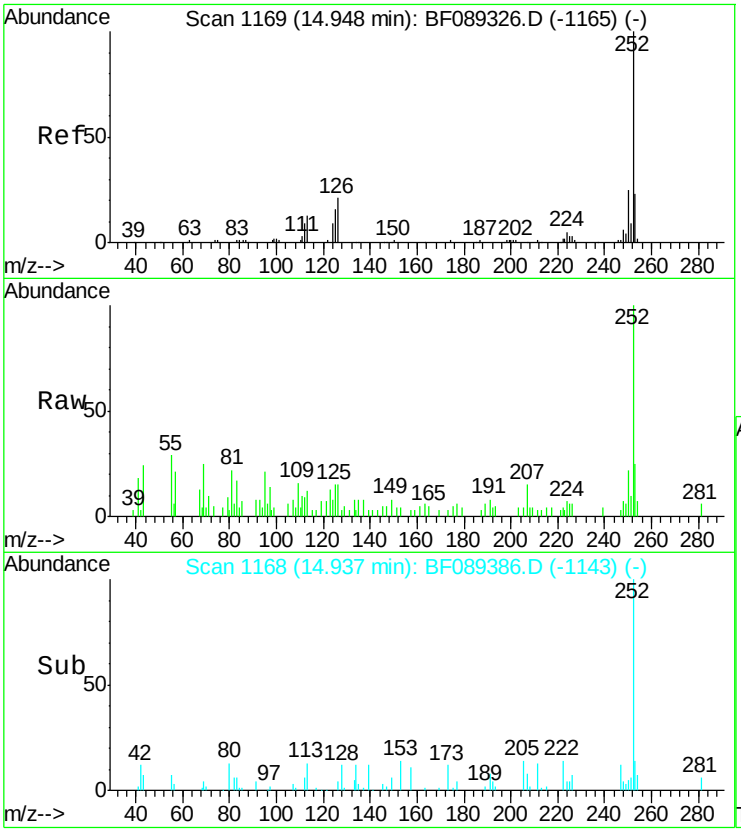


#88
Benzo(k)fluoranthene
Concen: 5.69 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.03 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:252 Resp: 26428

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	16.9	10.7	16.1#



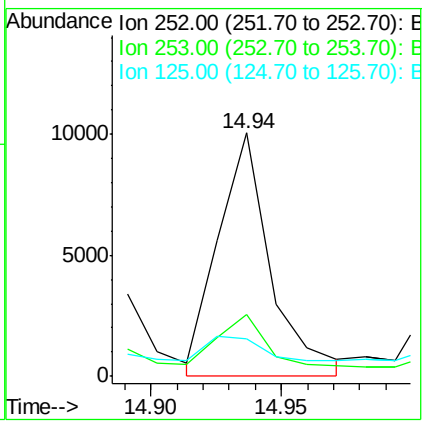


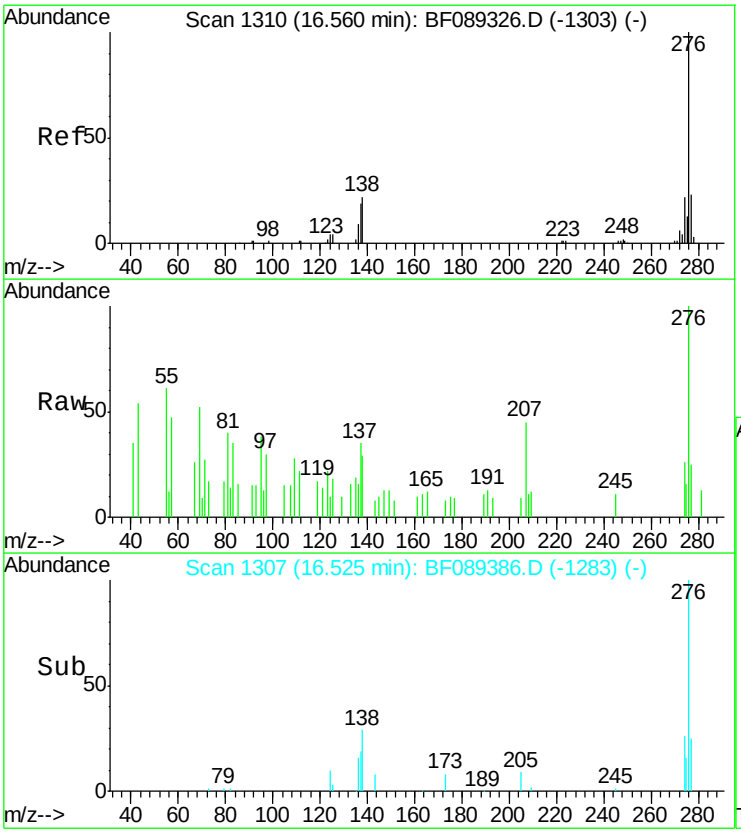
#89
Benzo(a)pyrene
Concen: 3.10 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Instrument :
BNA_F
ClientSampleId :
SP-4(LOT112)0-1

Tgt Ion:252 Resp: 14055

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.2
125	15.2	12.4	18.6





#91
Benzo(g,h,i)perylene
Concen: 2.44 ng
RT: 16.53 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF089386.D
Acq: 29 Jul 2016 2:35

Tgt Ion:276 Resp: 8558

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	29.0	21.4	32.0