Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
Data File : BF086106.D
Acq On : 6 Apr 2016 19:06
Operator : UM/SJ
Sample : H2254-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-16

Quant Time: Apr 07 01:12:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	158238	20.00	ng		-0.03
21) Naphthalene-d8	8.03	136	616846	20.00	ng		-0.03
38) Acenaphthene-d10	9.78	164	257281	20.00	ng		-0.03
63) Phenanthrene-d10	11.26	188	418925	20.00	ng		-0.03
75) Chrysene-d12	13.89	240	305066	20.00	ng		-0.03
86) Perylene-d12	15.30	264	333998	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	951601	102.79	ng		-0.02
7) Phenol-d6	6.40	99	1193015	101.46	ng		-0.02
23) Nitrobenzene-d5	7.31	82	652581	62.39	ng		-0.03
41) 2,4,6-Tribromophenol	10.57	330	205604	85.14	ng		-0.03
44) 2-Fluorobiphenyl	9.10	172	912790	58.99	ng		-0.03
78) Terphenyl-d14	12.84	244	625898	48.23	ng		-0.03
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	83202	11.42	ng	#	80
25) Isophorone	7.31	82	591002	28.62	ng	#	68
40) Hexachlorocyclopentadiene	8.99	237	2542	6.61	ng		75
49) Dimethylphthalate	9.50	163	226608	11.88	ng		99
53) 2,4-Dinitrophenol	9.81	184	438	2.23	ng	#	1
70) Phenanthrene	11.29	178	186829	8.17	ng		97
74) Fluoranthene	12.48	202	152680	6.42	ng		90
77) Pyrene	12.70	202	220025	10.23	ng		98
80) Benzo(a)anthracene	13.88	228	74025	4.12	ng		95
82) Chrysene	13.93	228	75428	4.35	ng		97
85) Indeno(1,2,3-cd)pyrene	16.65	276	49254	3.50	ng		96
87) Benzo(b)fluoranthene	14.91	252	135571	6.45	ng		98
88) Benzo(k)fluoranthene	14.91	252	135571	7.29	ng	#	95
89) Benzo(a)pyrene	15.24	252	76015	4.08	ng		98
91) Benzo(g,h,i)perylene	17.05	276	54529	3.76	ng		96

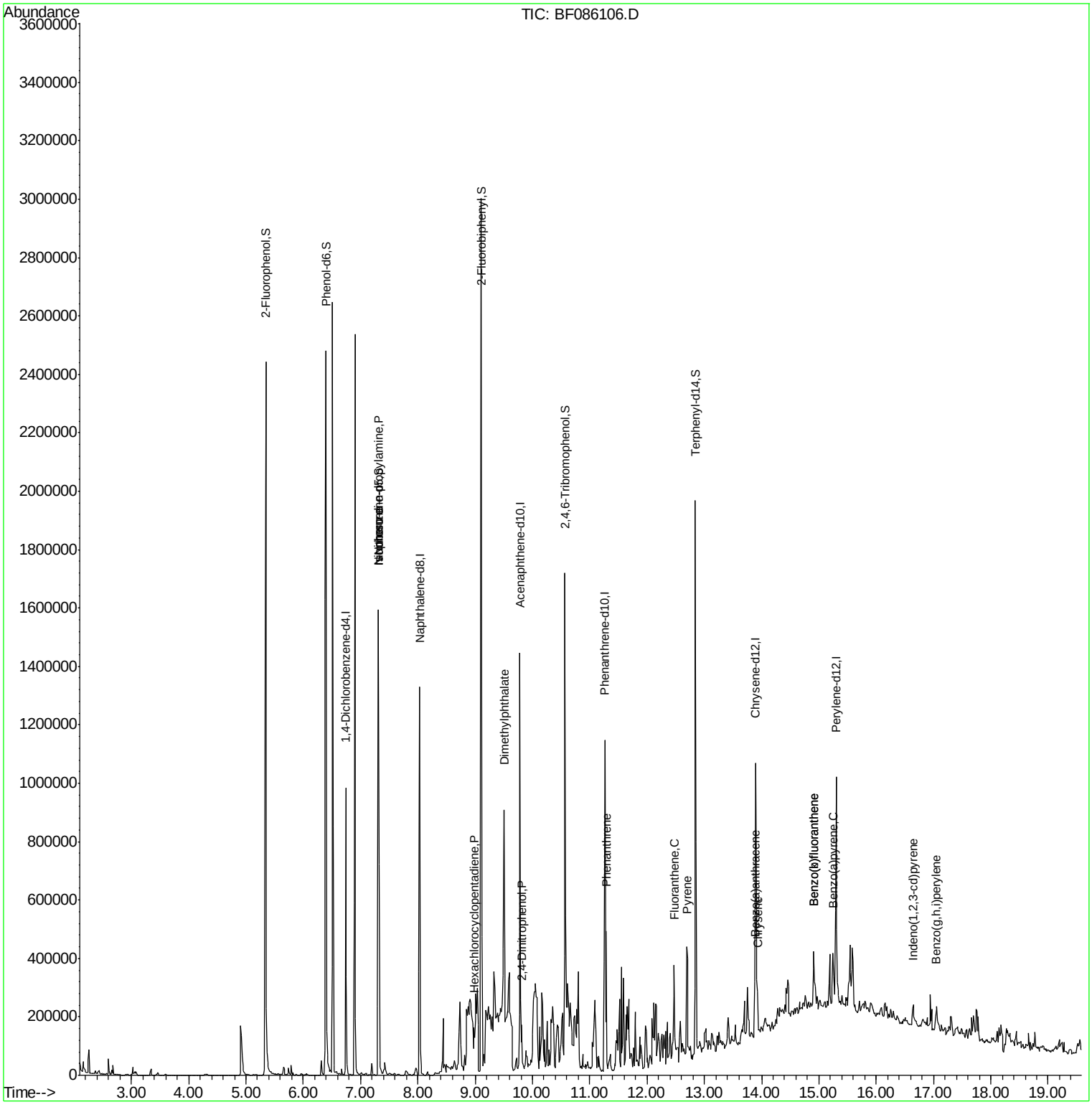
(#) = qualifier out of range (m) = manual integration (+) = signals summed

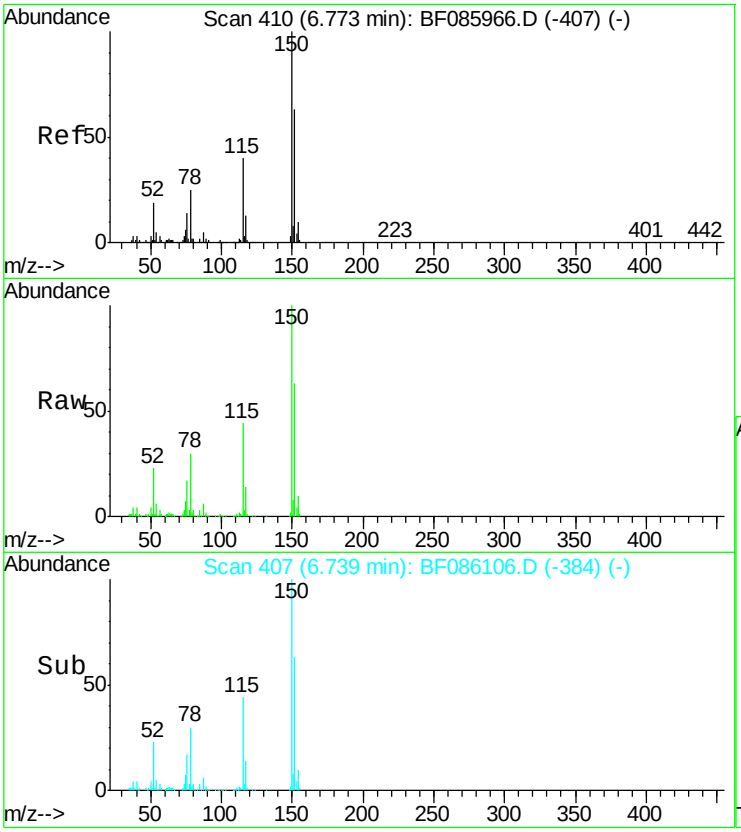
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
Data File : BF086106.D
Acq On : 6 Apr 2016 19:06
Operator : UM/SJ
Sample : H2254-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-16

Quant Time: Apr 07 01:12:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration



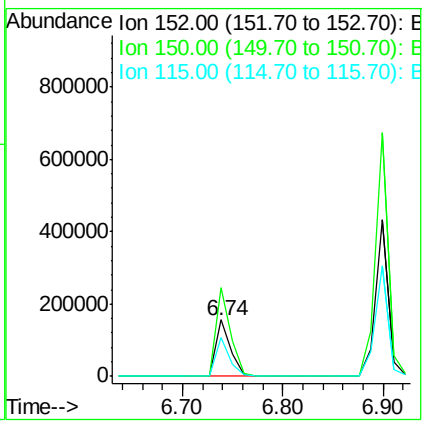


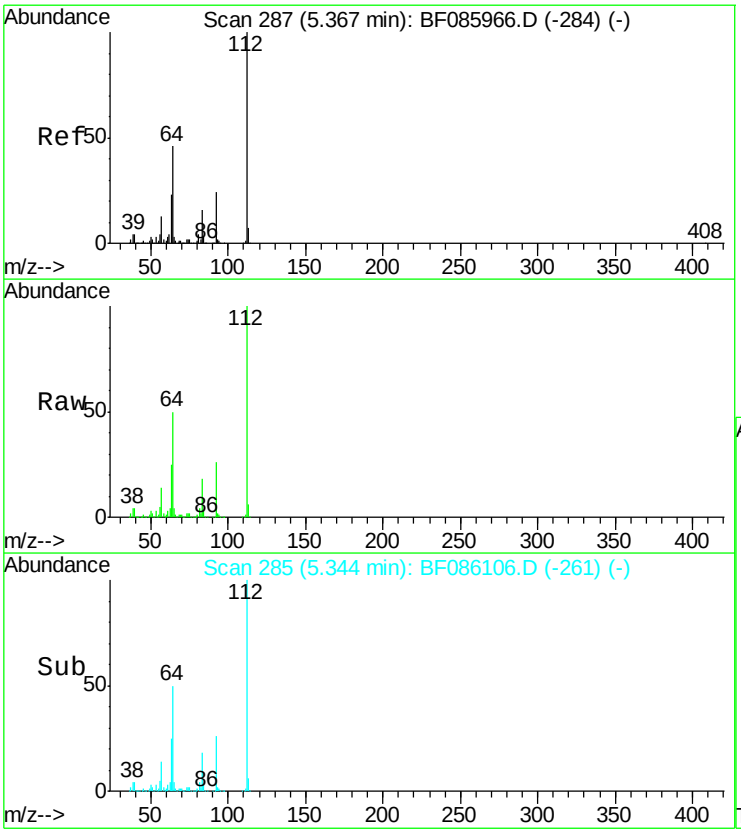
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:152 Resp: 158238

Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.2	186.2
115	69.0	47.0	70.6

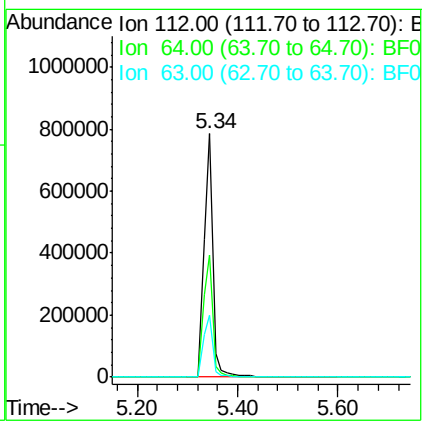


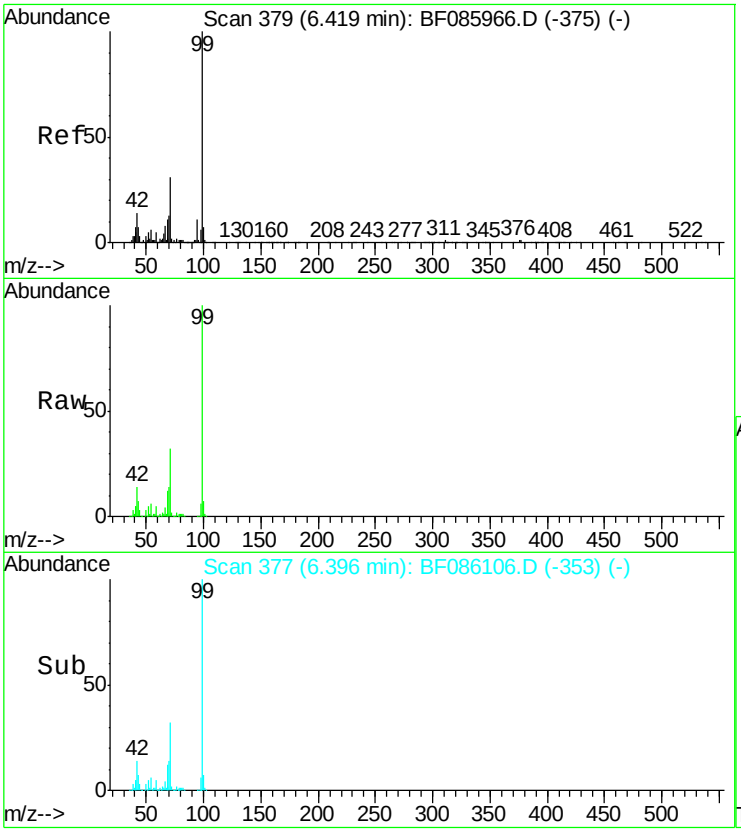


#5
2-Fluorophenol
Concen: 102.79 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:112 Resp: 951601

Ion	Ratio	Lower	Upper
112	100		
64	49.9	39.9	59.9
63	25.2	20.2	30.2



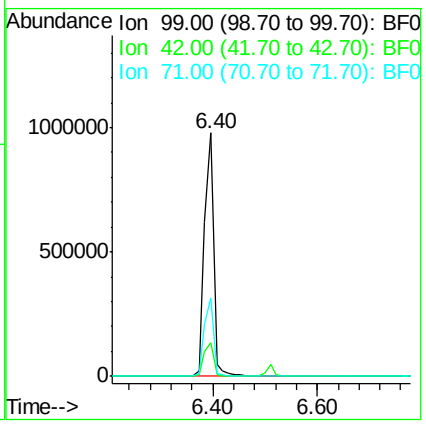


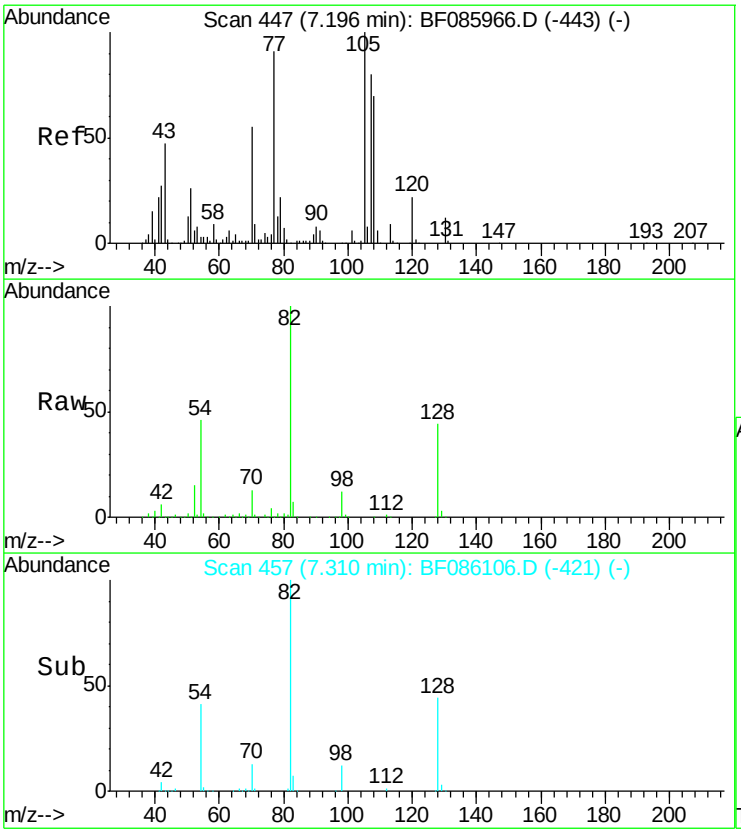
#7
Phenol-d6
Concen: 101.46 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.02 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion: 99 Resp: 1193015

Ion	Ratio	Lower	Upper
99	100		
42	13.9	11.1	16.7
71	32.4	24.9	37.3

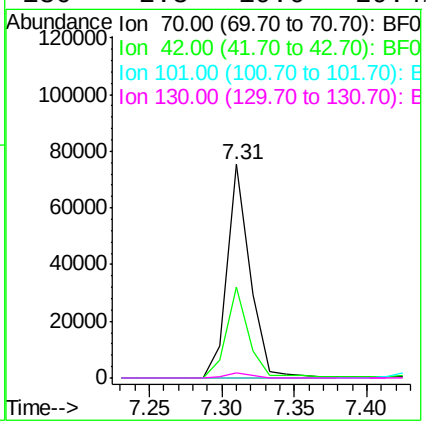


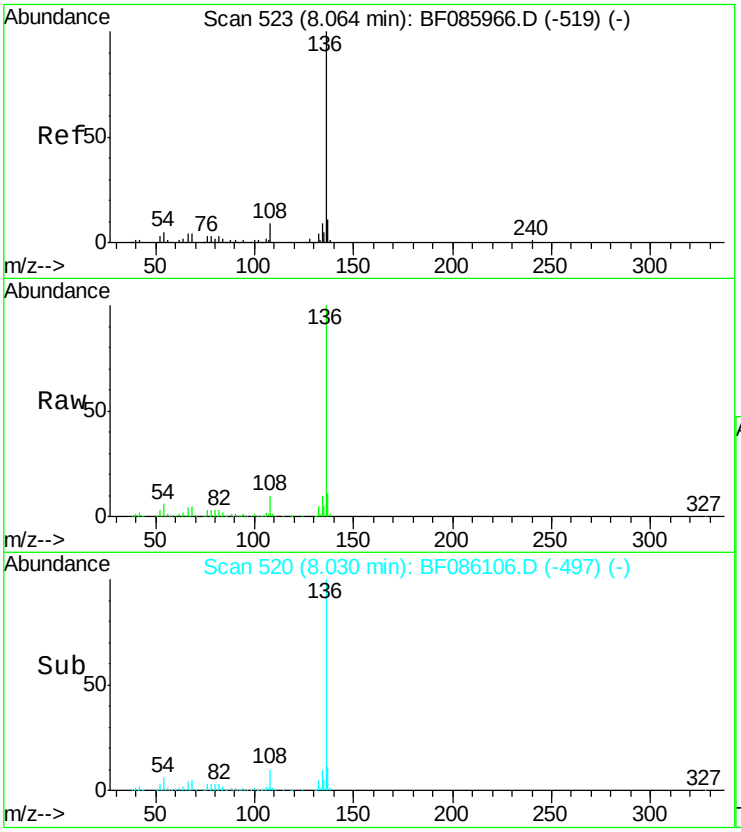


#19
n-Nitroso-di-n-propylamine
Concen: 11.42 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.11 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion: 70 Resp: 83202

Ion	Ratio	Lower	Upper
70	100		
42	42.6	37.1	55.7
101	0.0	8.6	12.8#
130	2.3	19.6	29.4#



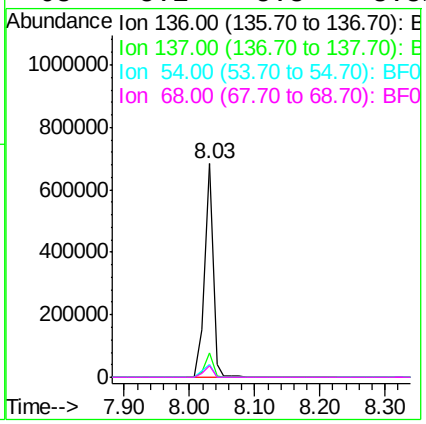


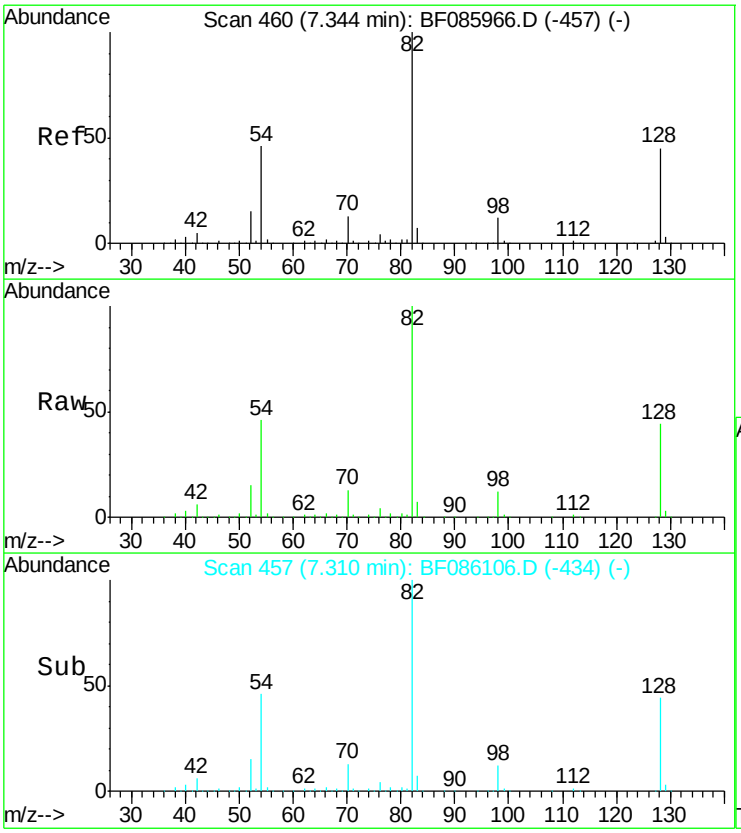
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:136 Resp: 616846

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.1	7.4	11.0#
68	5.1	5.8	8.8#

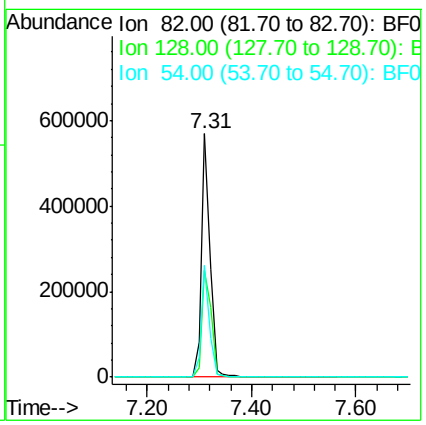


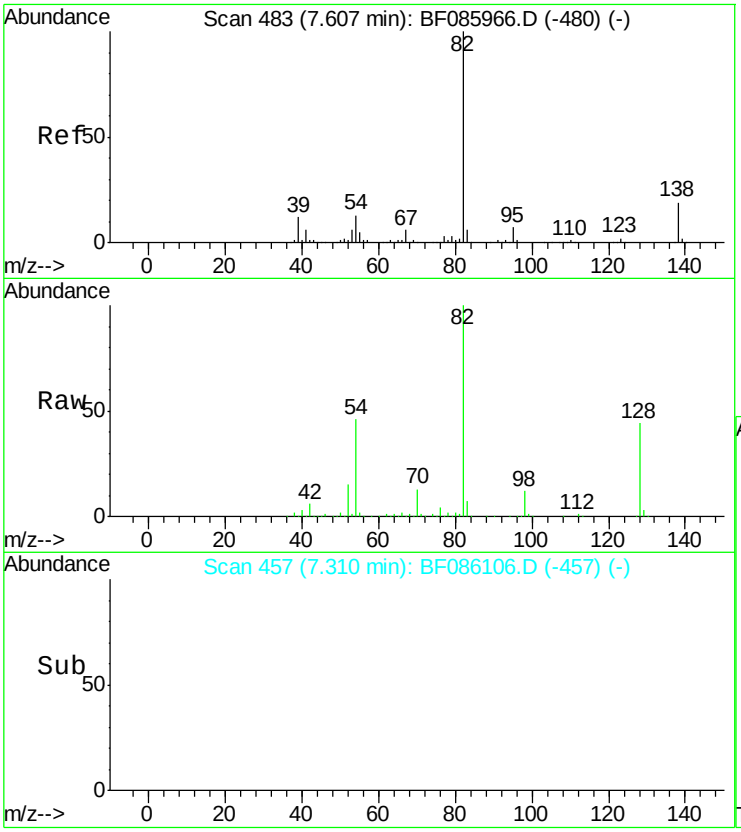


#23
Nitrobenzene-d5
Concen: 62.39 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion: 82 Resp: 652581

Ion	Ratio	Lower	Upper
82	100		
128	43.9	41.8	62.8
54	46.1	33.4	50.0



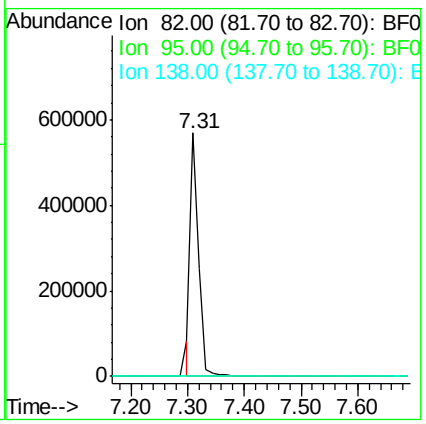


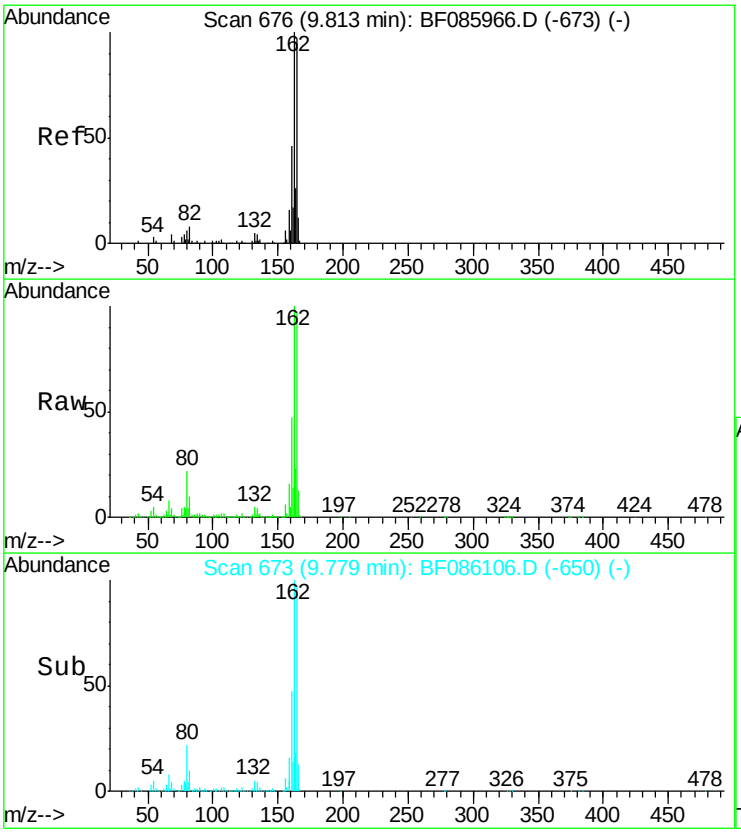
#25
Isophorone
Concen: 28.62 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.30 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion: 82 Resp: 591002

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	12.9	19.3#

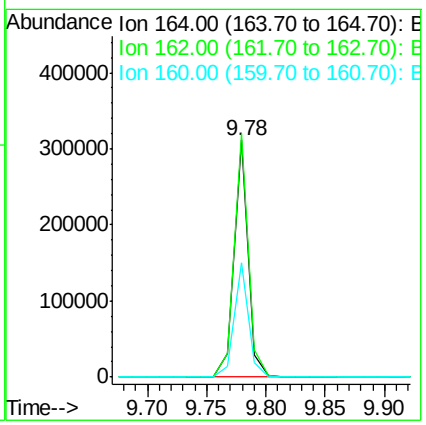


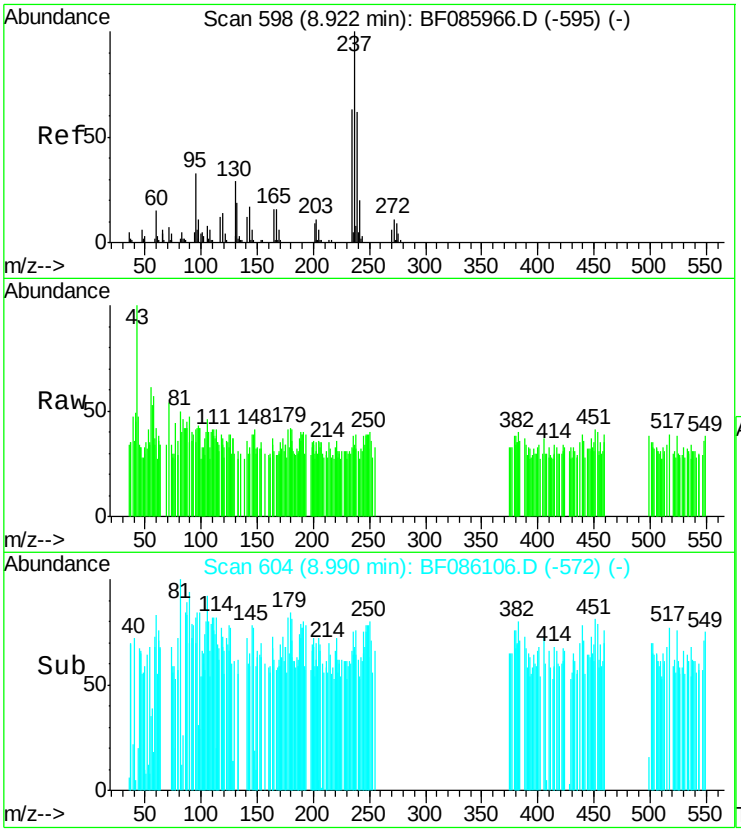


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:164 Resp: 257281

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.1	123.1
160	48.2	37.4	56.2



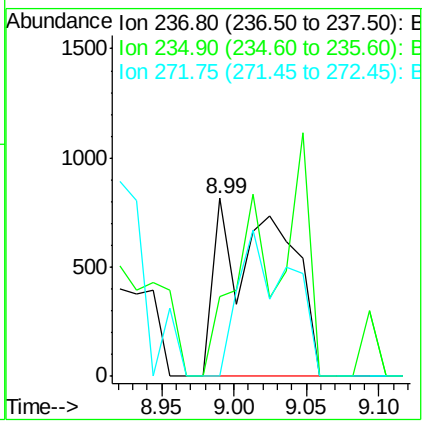


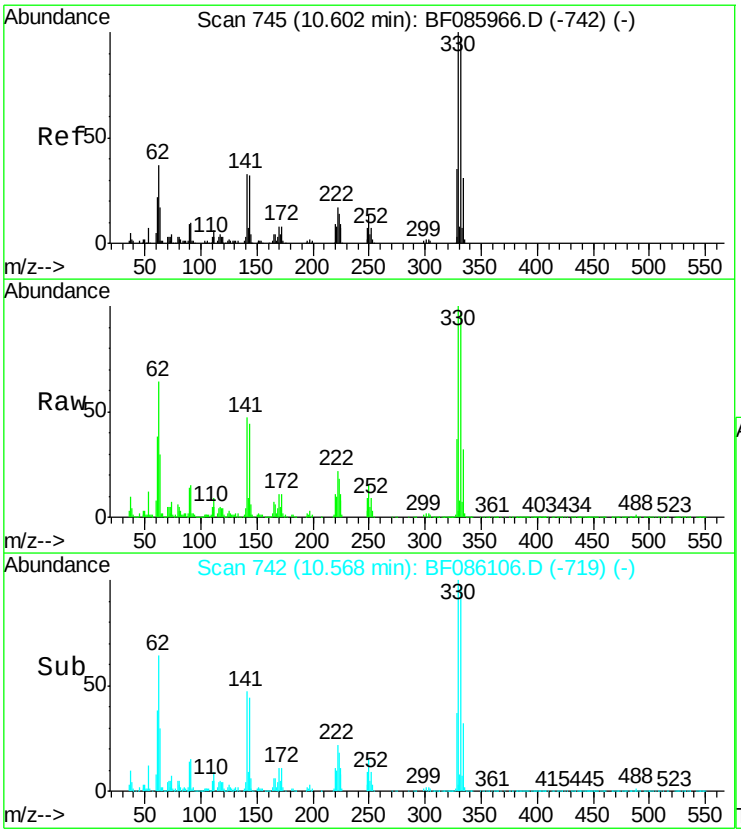
#40
Hexachlorocyclopentadiene
Concen: 6.61 ng
RT: 8.99 min Scan# 604
Delta R.T. 0.07 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:237 Resp: 2542

Ion	Ratio	Lower	Upper
237	100		
235	44.7	43.7	83.7
272	0.0	0.0	31.9

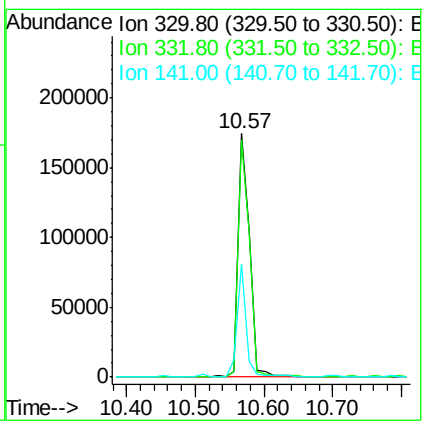


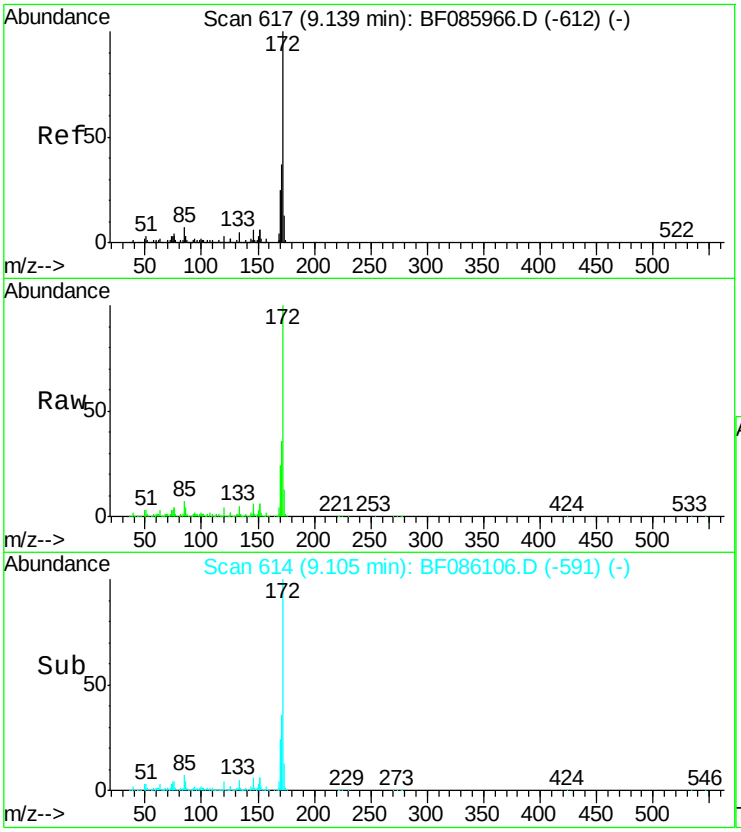


#41
2,4,6-Tribromophenol
Concen: 85.14 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:330 Resp: 205604

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.2	117.2
141	35.7	31.5	47.3



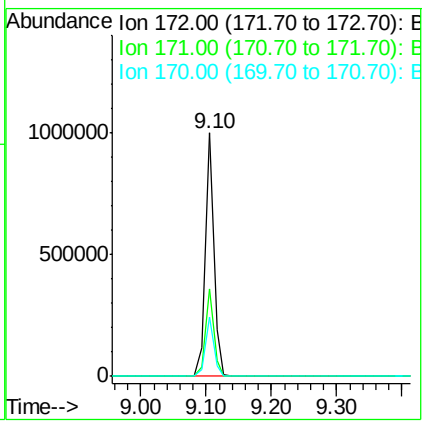


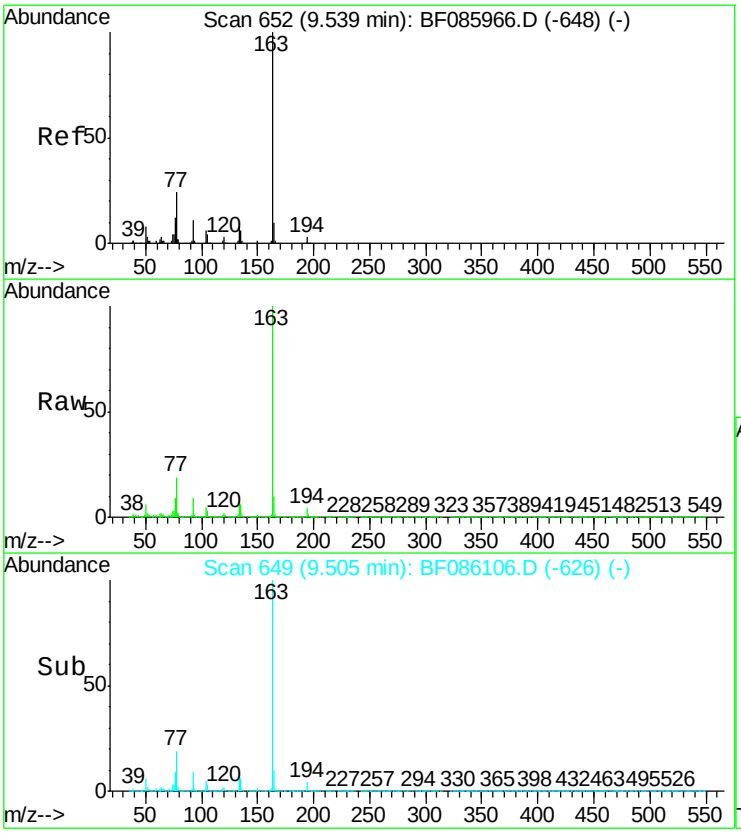
#44
2-Fluorobiphenyl
Concen: 58.99 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:172 Resp: 912790

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.2	19.8	29.6

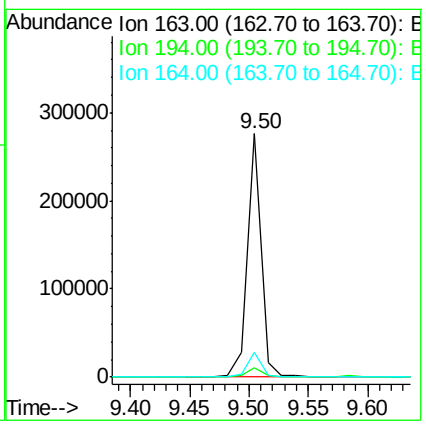


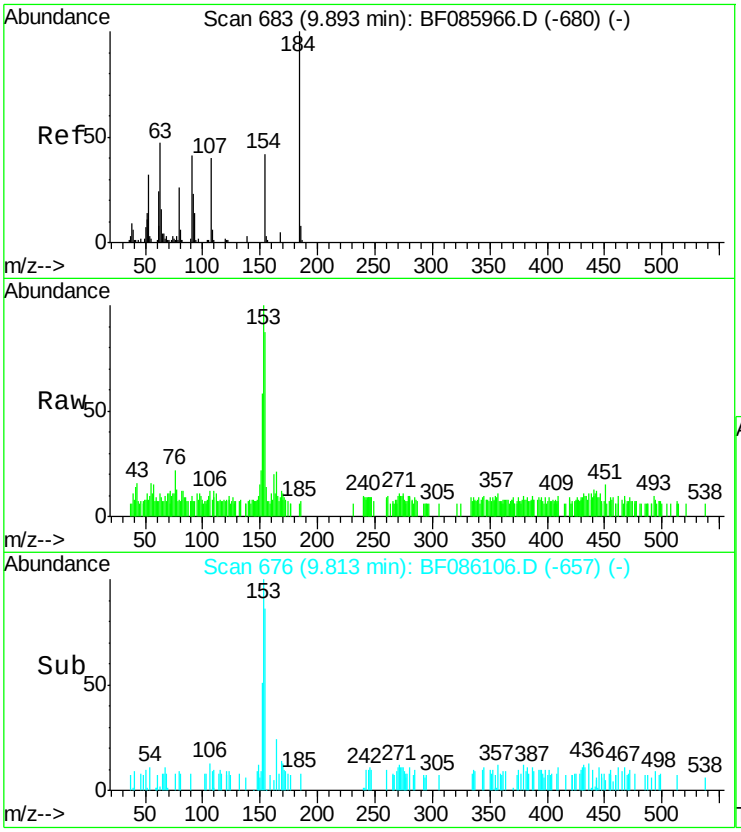


#49
Dimethylphthalate
Concen: 11.88 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:163 Resp: 226608

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.1	8.3	12.5



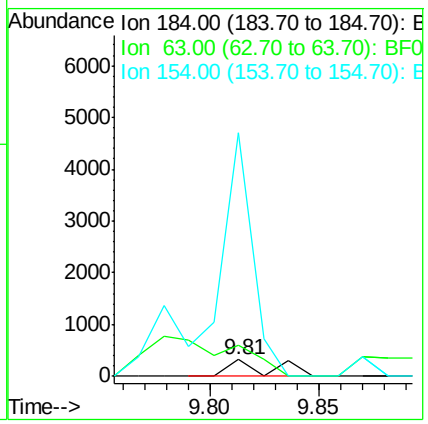


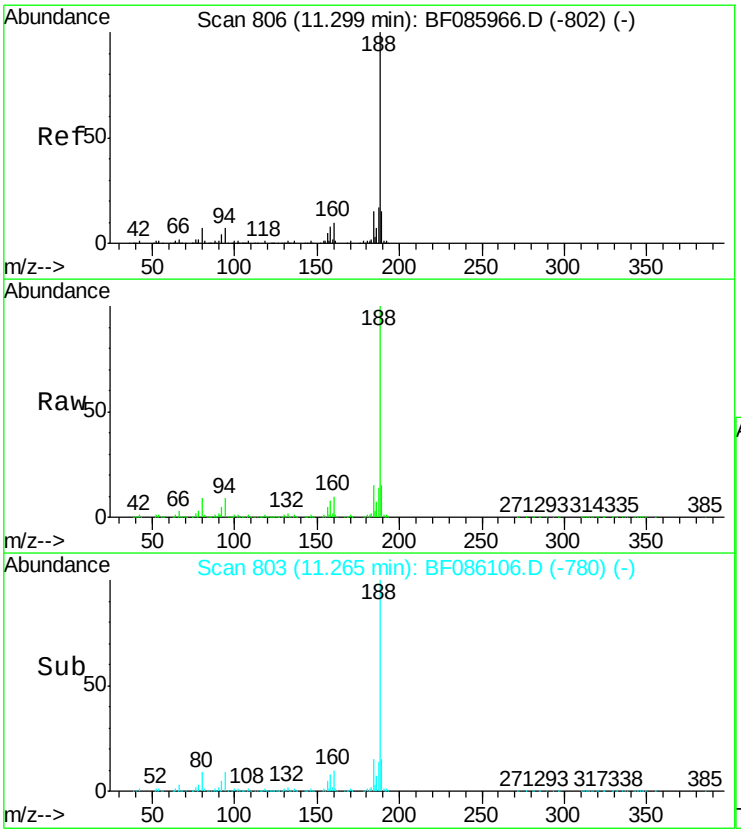
#53
2,4-Dinitrophenol
Concen: 2.23 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.08 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:184 Resp: 438

Ion	Ratio	Lower	Upper
184	100		
63	186.4	69.5	104.3#
154	1455.7	58.3	87.5#

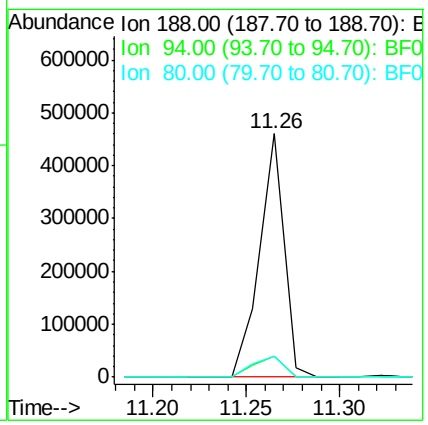


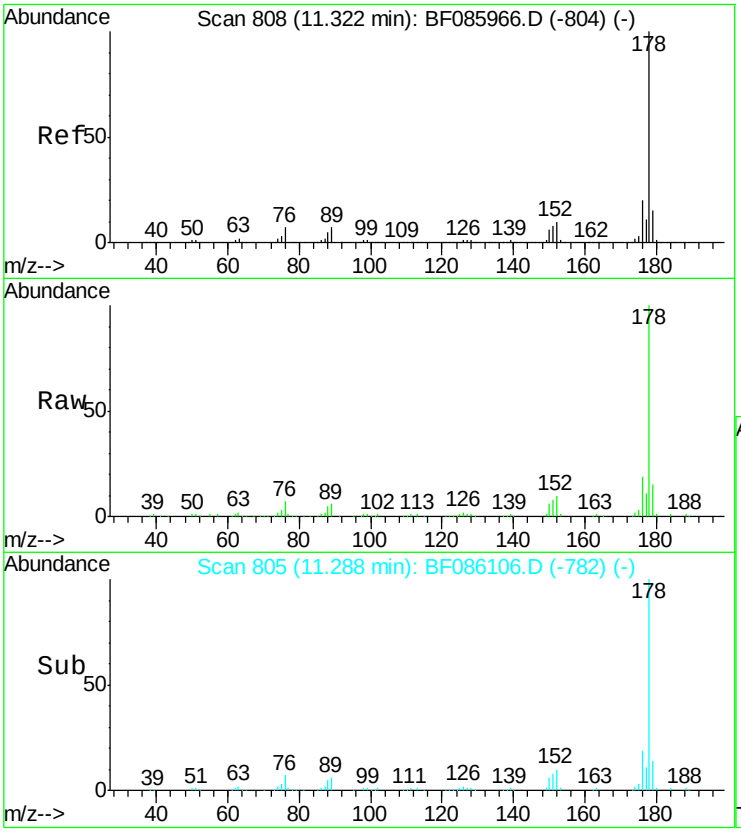


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:188 Resp: 418925

Ion	Ratio	Lower	Upper
188	100		
94	8.6	5.4	8.0#
80	8.6	5.5	8.3#



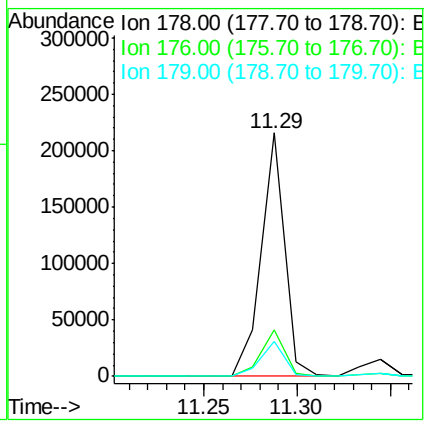


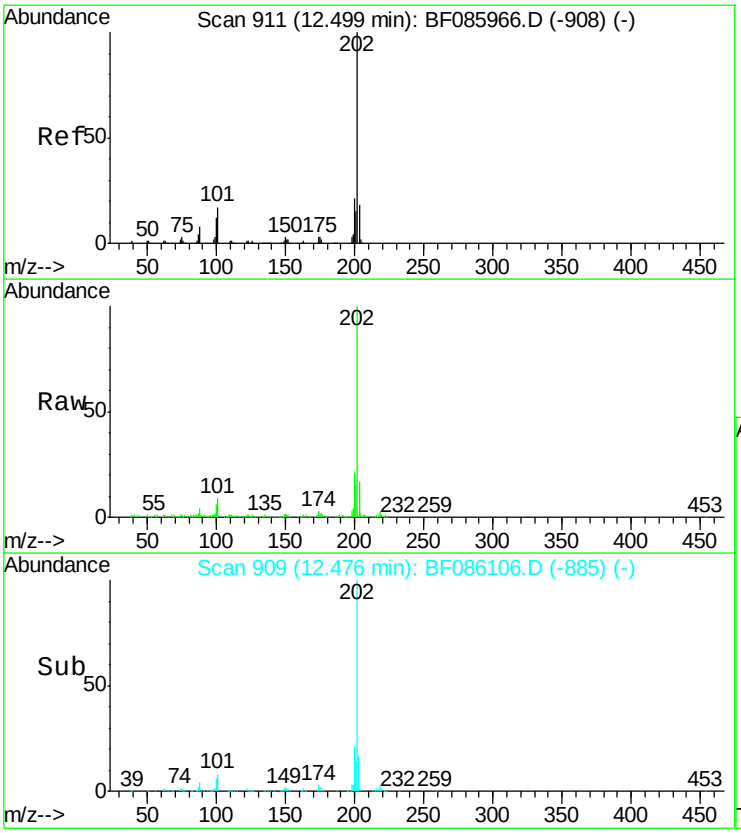
#70
Phenanthrene
Concen: 8.17 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:178 Resp: 186829

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	14.5	12.6	18.8

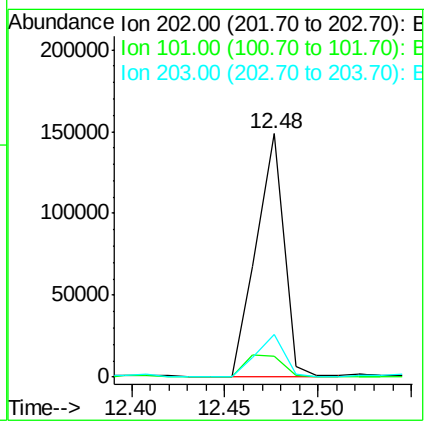


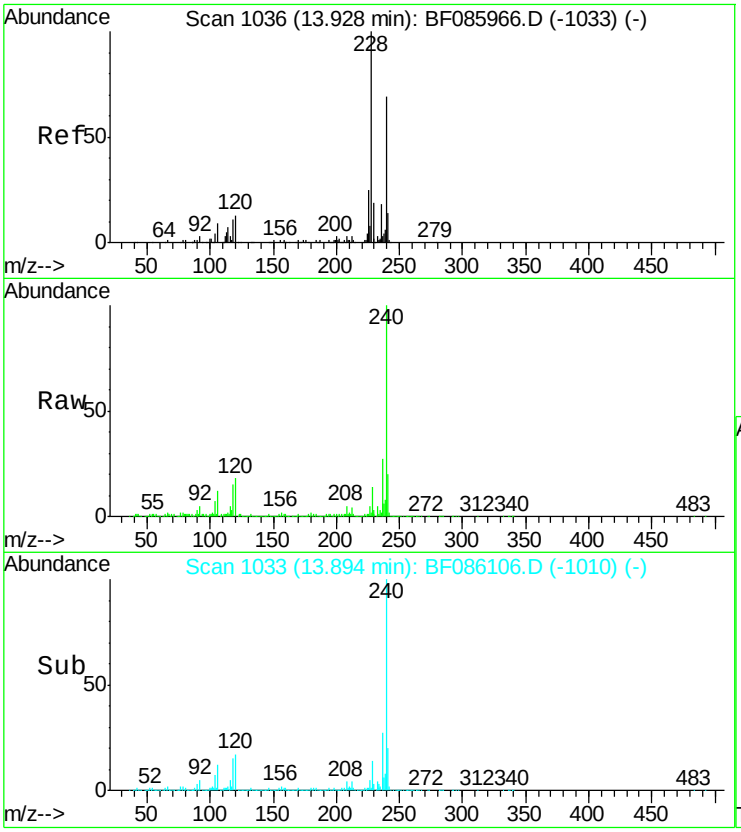


#74
Fluoranthene
Concen: 6.42 ng
RT: 12.48 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:202 Resp: 152680

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	36.6
203	17.4	0.0	38.1



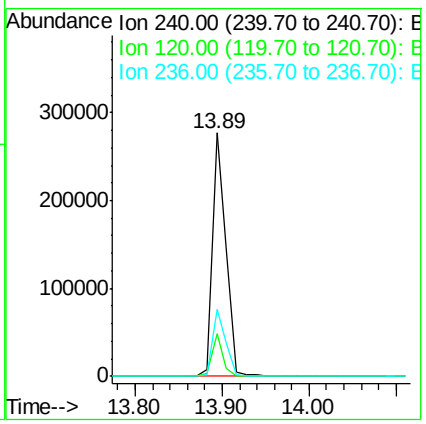


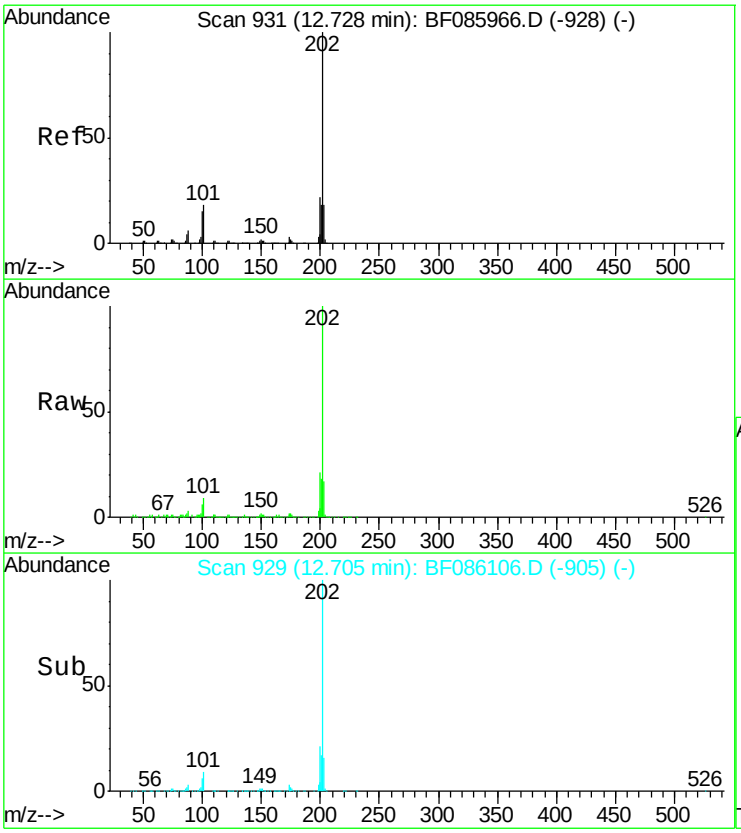
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:240 Resp: 305066

Ion	Ratio	Lower	Upper
240	100		
120	17.5	13.8	20.8
236	27.3	20.6	30.8

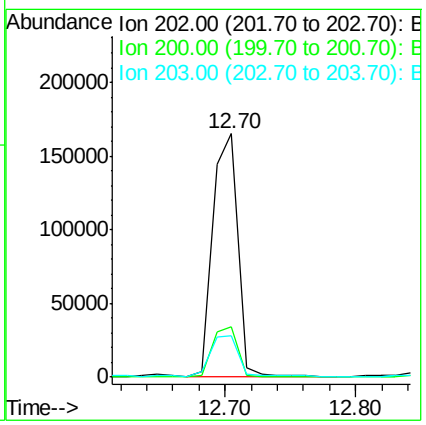


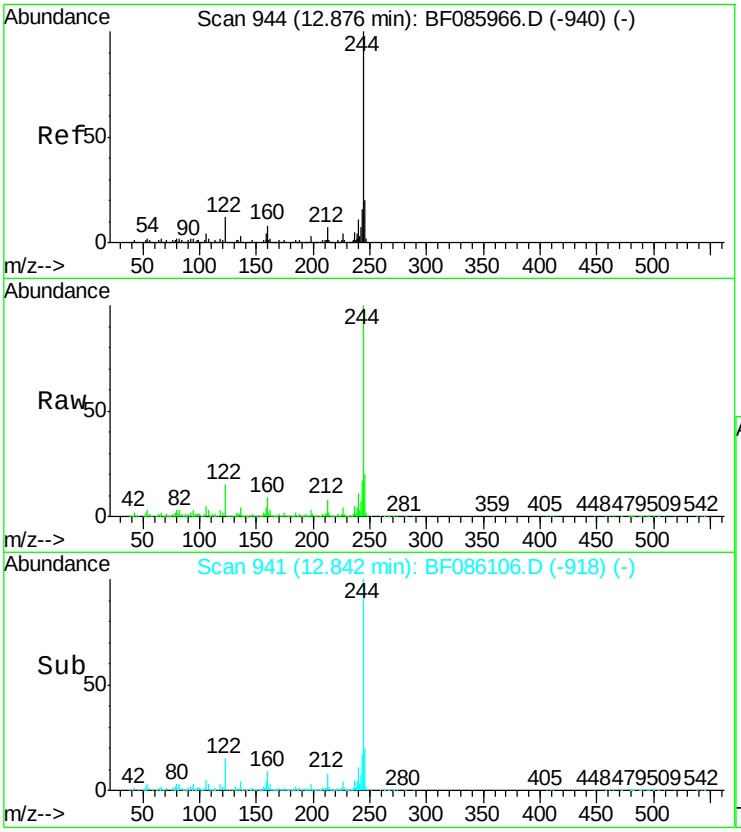


#77
Pyrene
Concen: 10.23 ng
RT: 12.70 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:202 Resp: 220025

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	16.8	14.0	21.0



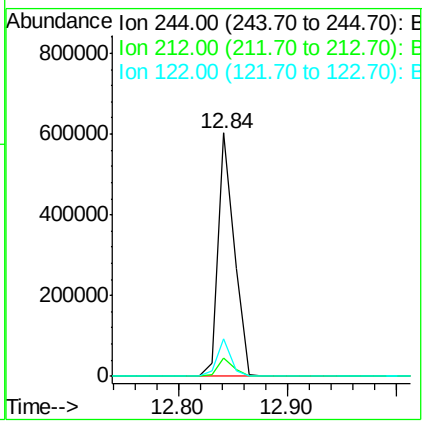


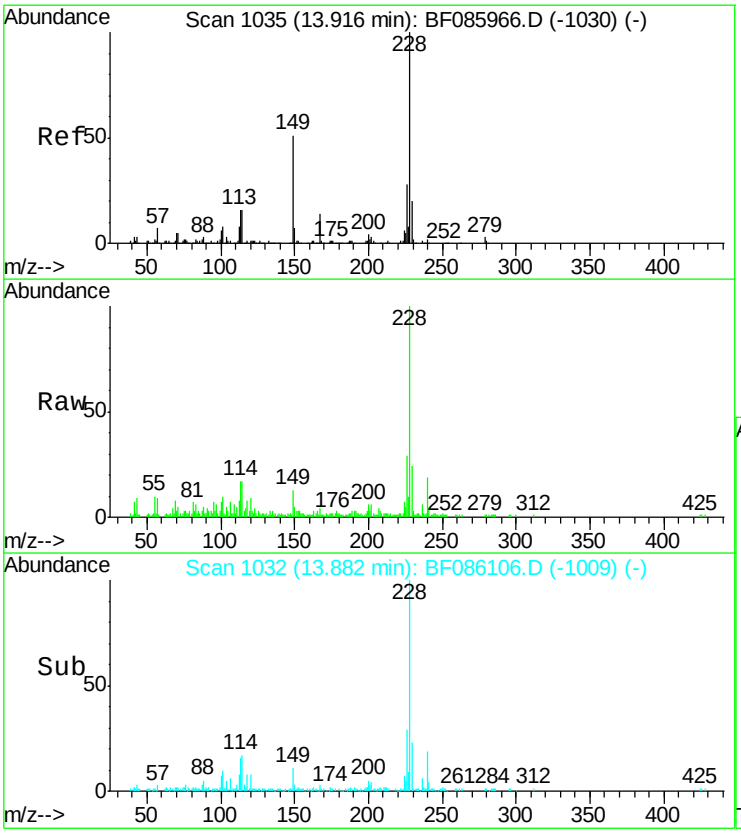
#78
Terphenyl-d14
Concen: 48.23 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:244 Resp: 625898

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	15.4	10.2	15.4#

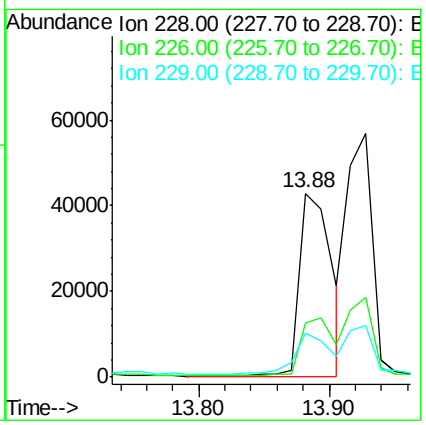


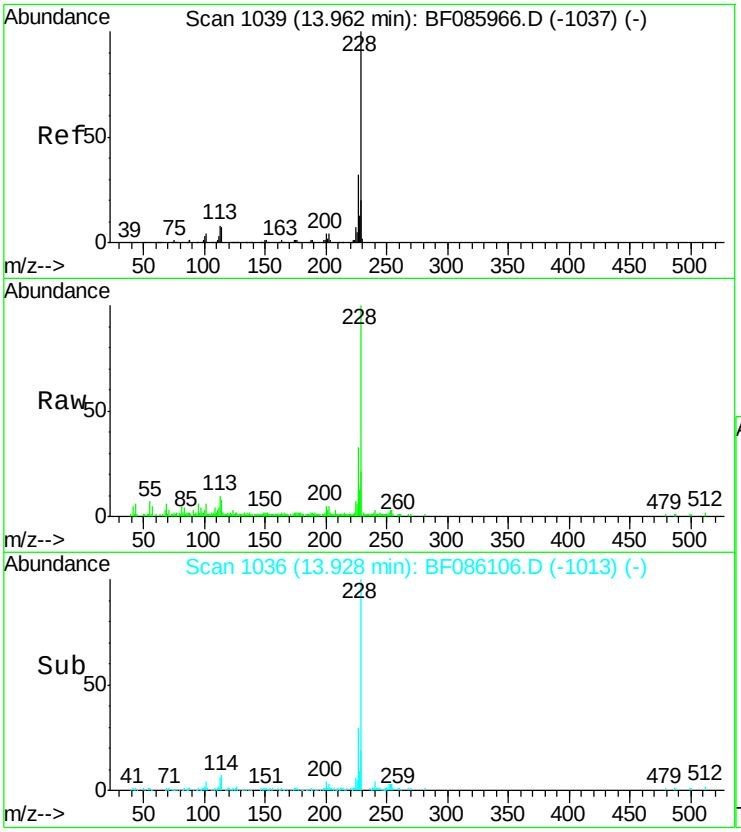


#80
Benzo(a)anthracene
Concen: 4.12 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:228 Resp: 74025

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	23.7	16.2	24.4



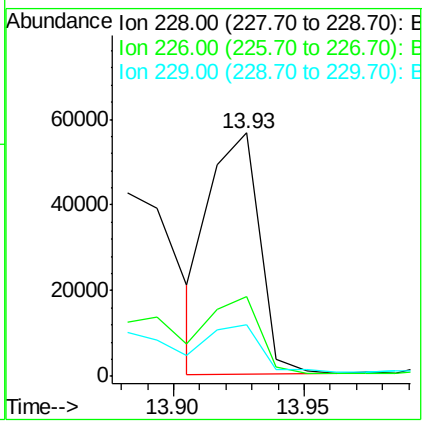


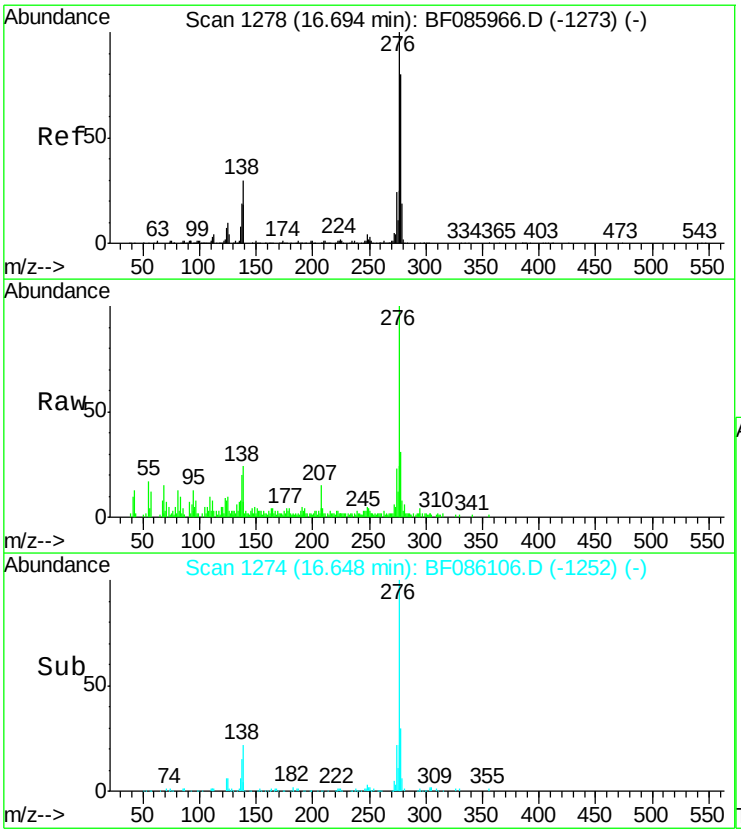
#82
Chrysene
Concen: 4.35 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:228 Resp: 75428

Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.0	37.6
229	21.0	15.7	23.5

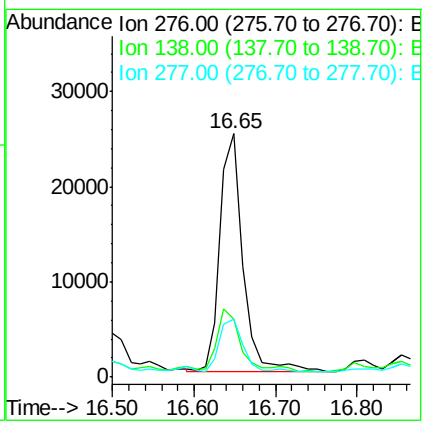


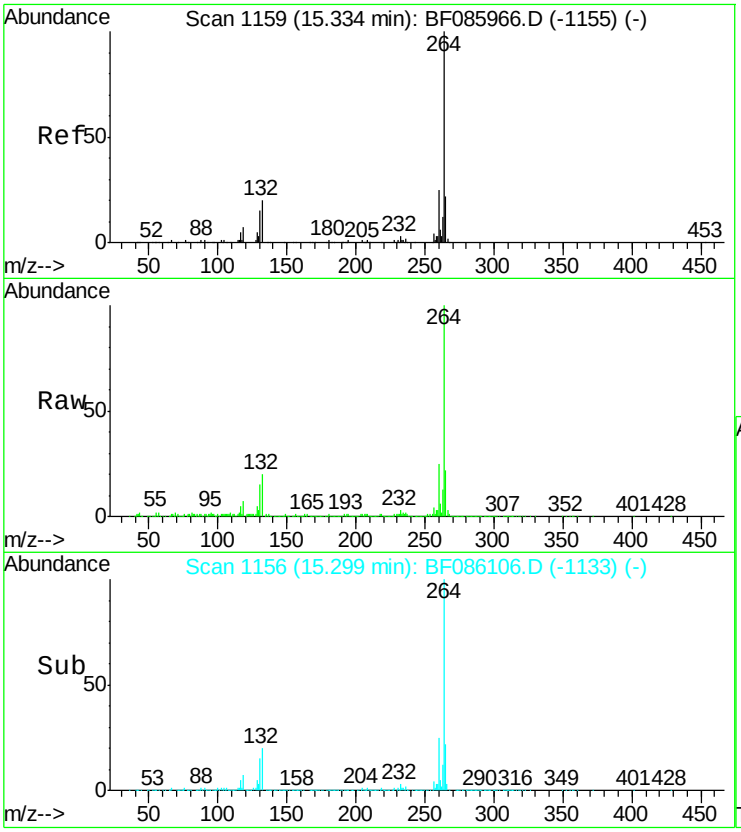


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.50 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.05 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:276 Resp: 49254

Ion	Ratio	Lower	Upper
276	100		
138	28.1	24.2	36.4
277	23.0	20.0	30.0



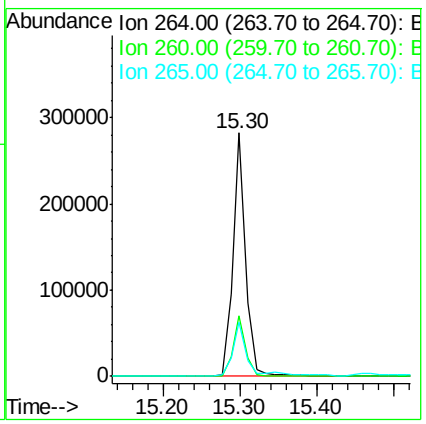


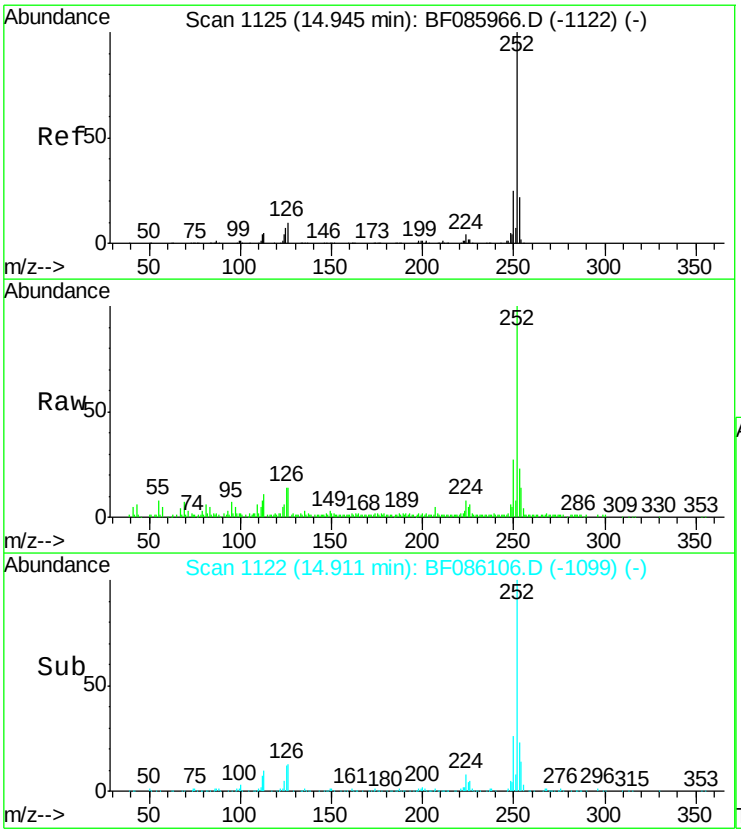
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:264 Resp: 333998

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.0	17.2	25.8

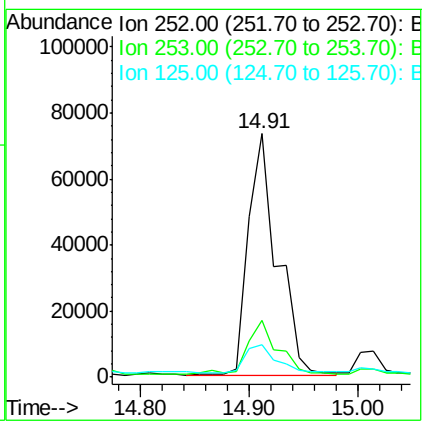


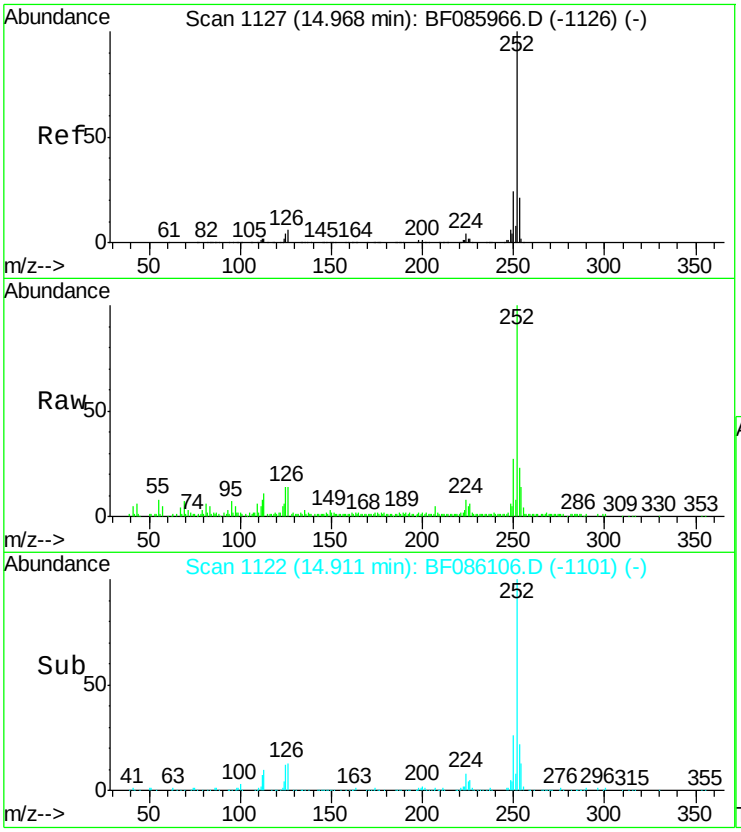


#87
Benzo(b)fluoranthene
Concen: 6.45 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:252 Resp: 135571

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	13.6	10.3	15.5



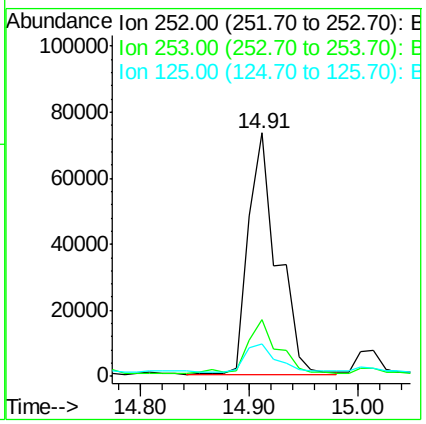


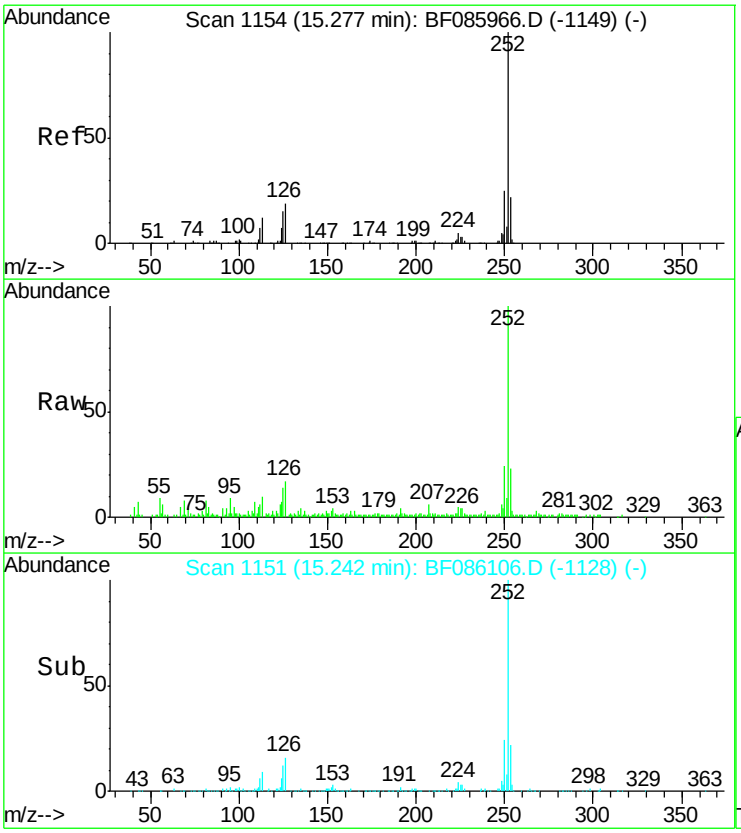
#88
Benzo(k)fluoranthene
Concen: 7.29 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:252 Resp: 135571

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.6	7.7	11.5#

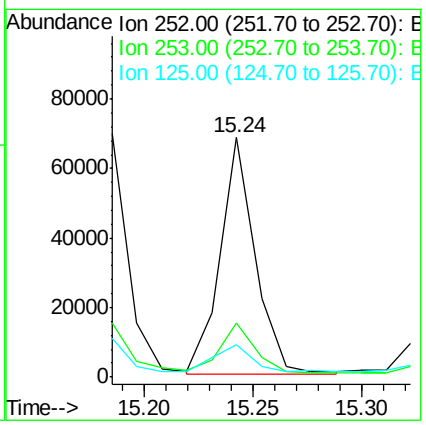


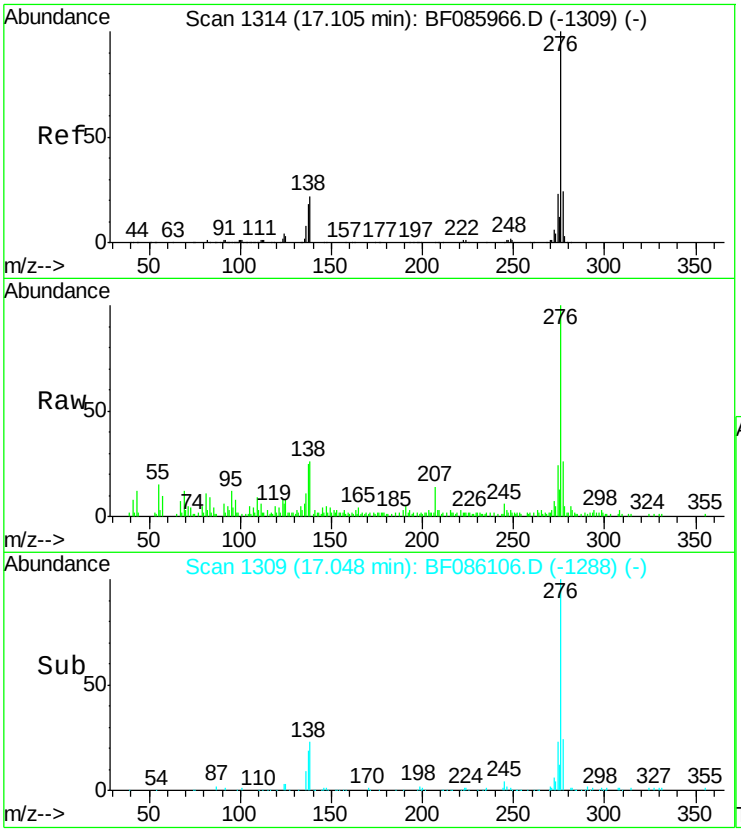


#89
Benzo(a)pyrene
Concen: 4.08 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:252 Resp: 76015

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	13.5	10.3	15.5





#91
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.06 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion:276 Resp: 54529

Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	26.2	22.6	34.0