Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086811.D
Acq On : 8 May 2016 9:07
Operator : UM/SJ
Sample : H2762-04DL2 100X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-B3COMPDL2

Quant Time: May 09 02:31:50 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	166743	40.00	ng		-0.03
21) Naphthalene-d8	8.00	136	676891	40.00	ng		-0.03
38) Acenaphthene-d10	9.73	164	286007	40.00	ng		-0.05
63) Phenanthrene-d10	11.22	188	501838	40.00	ng		-0.03
75) Chrysene-d12	13.85	240	335643	40.00	ng		-0.03
86) Perylene-d12	15.22	264	303508	40.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	9058	0.90	ng		0.00
7) Phenol-d6	6.38	99	14487	1.07	ng		0.01
23) Nitrobenzene-d5	7.28	82	10140	0.77	ng		-0.03
41) 2,4,6-Tribromophenol	10.53	330	3058	1.09	ng		-0.03
44) 2-Fluorobiphenyl	9.07	172	22068	1.26	ng		-0.03
78) Terphenyl-d14	12.80	244	16386	0.99	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	8.02	128	2788654	80.64	ng		98
37) 2-Methylnaphthalene	8.70	142	250537	12.28	ng		100
48) Acenaphthylene	9.60	152	138484	5.17	ng		97
51) Acenaphthene	9.77	154	71753	4.06	ng		99
57) Fluorene	10.28	166	96328	5.43	ng		100
70) Phenanthrene	11.24	178	321098	11.91	ng		99
71) Anthracene	11.29	178	96055	3.40	ng		98
74) Fluoranthene	12.42	202	110480	4.09	ng		98
77) Pyrene	12.65	202	156362	5.84	ng		99
80) Benzo(a)anthracene	13.84	228	39707	2.09	ng	#	73

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

Quantitation Report (QT Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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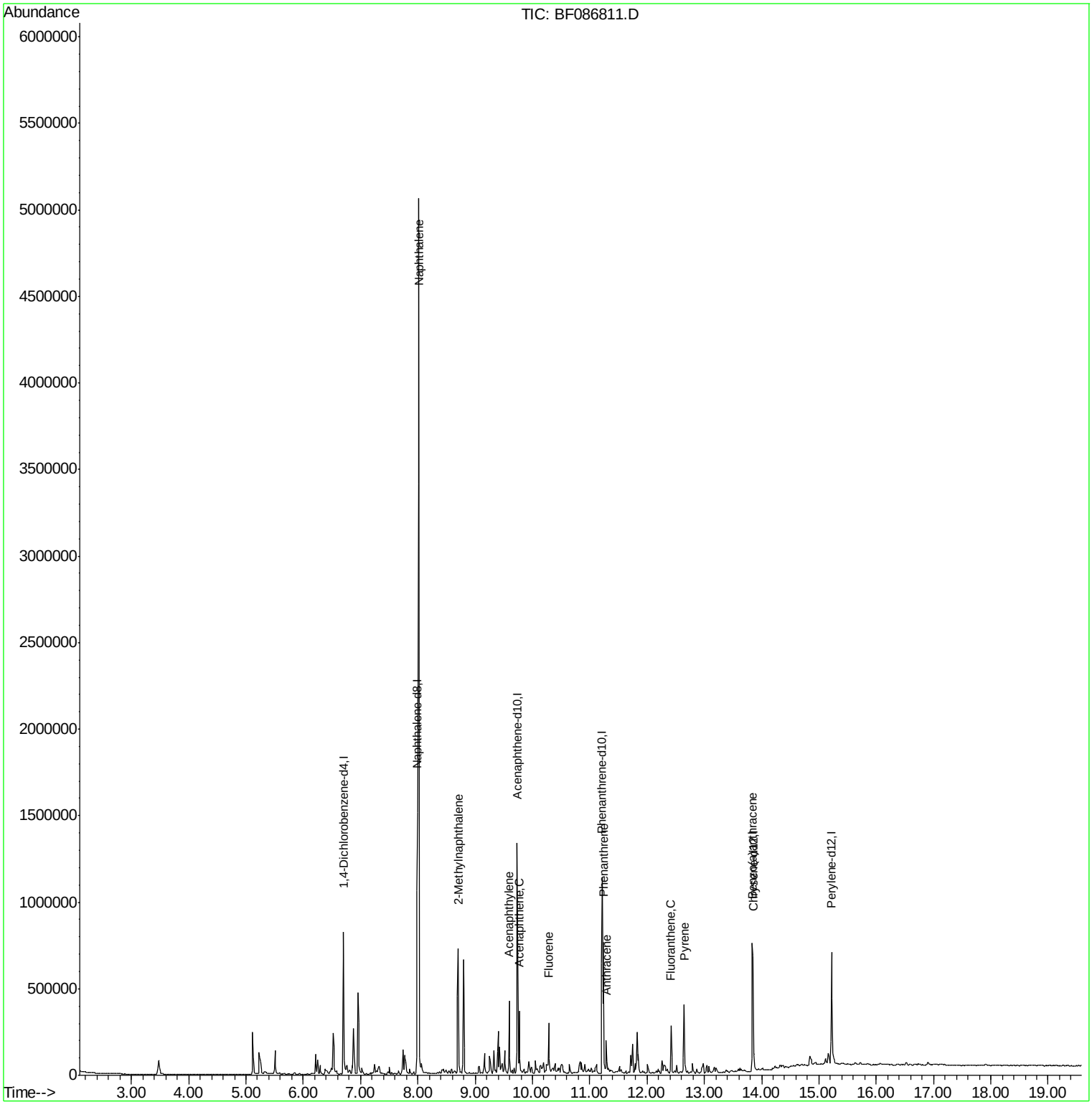
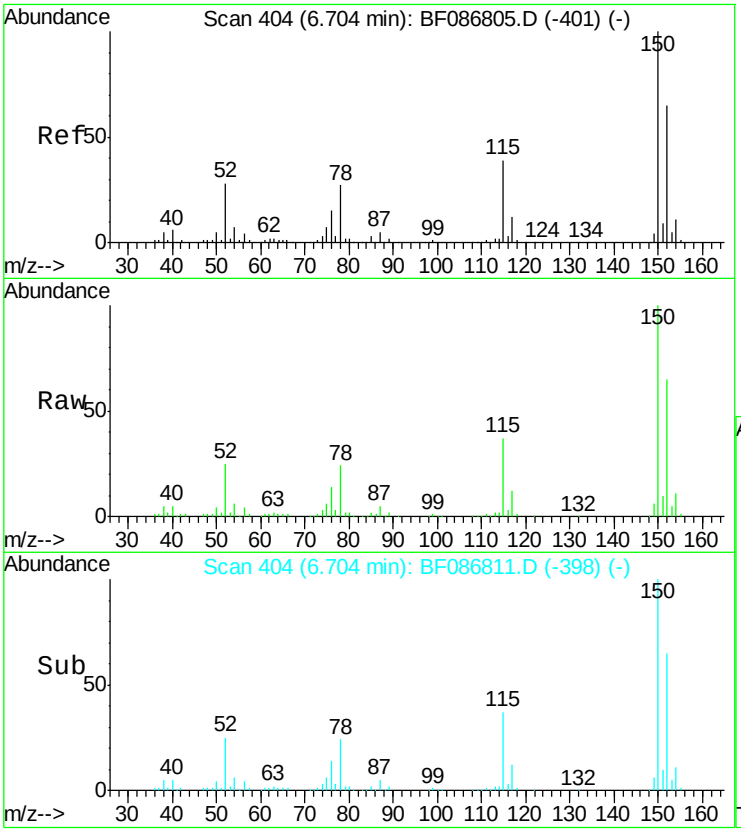


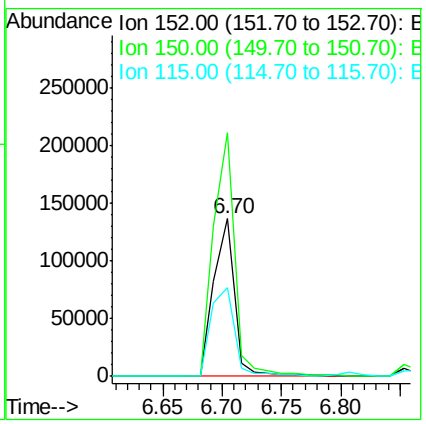


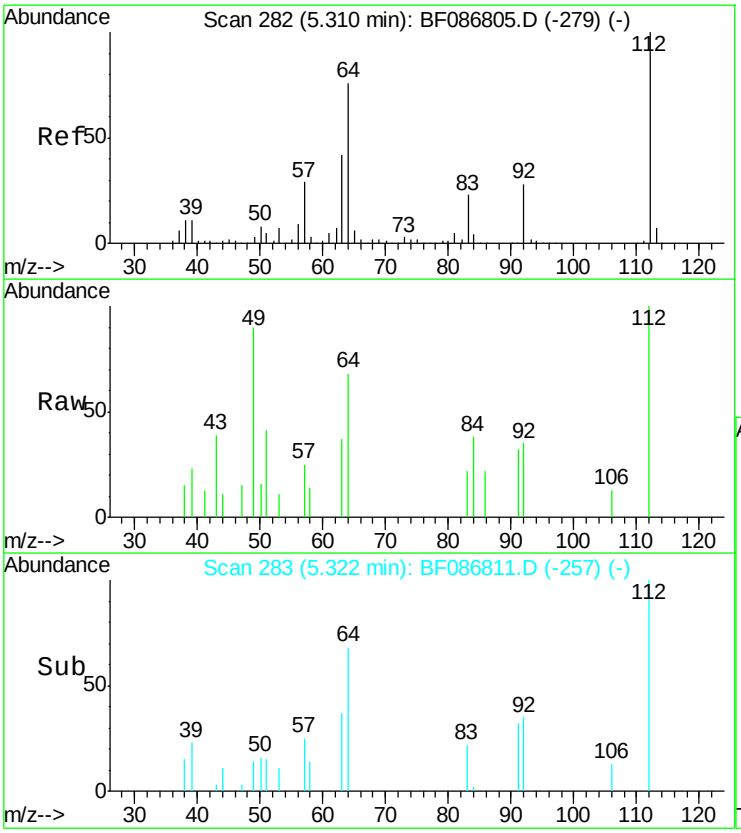
#1
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:152 Resp: 166743

Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.8	188.6
115	56.7	51.5	77.3

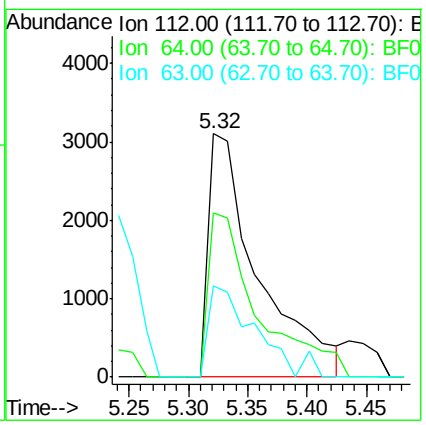


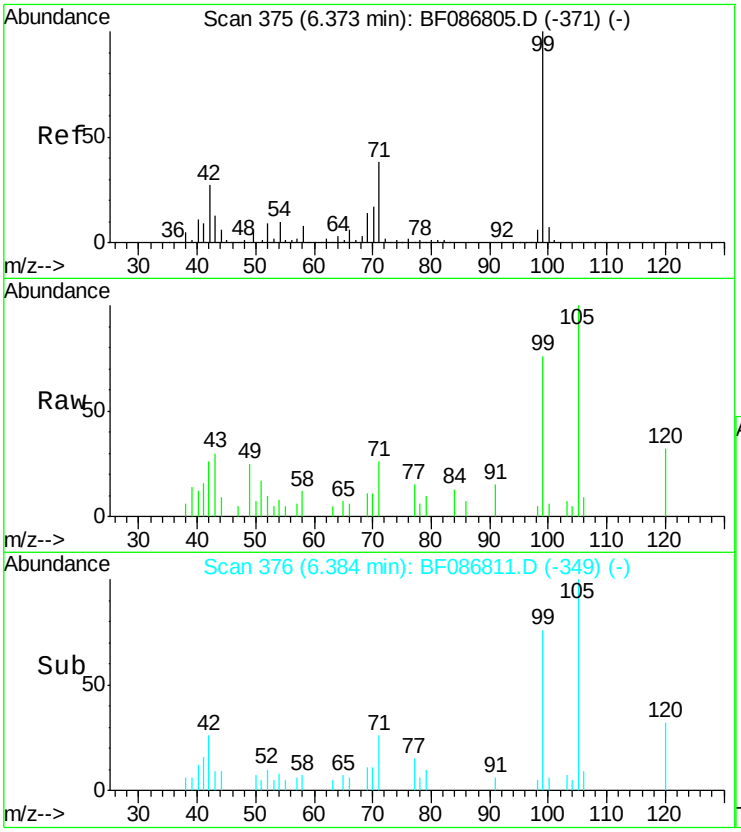


#5
2-Fluorophenol
Concen: 0.90 ng
RT: 5.32 min Scan# 283
Delta R.T. 0.00 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:112 Resp: 9058

Ion	Ratio	Lower	Upper
112	100		
64	67.7	52.1	78.1
63	37.4	25.7	38.5



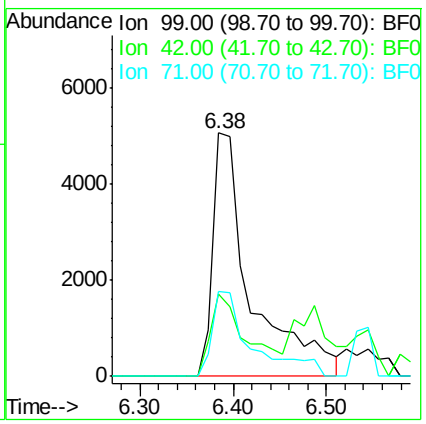


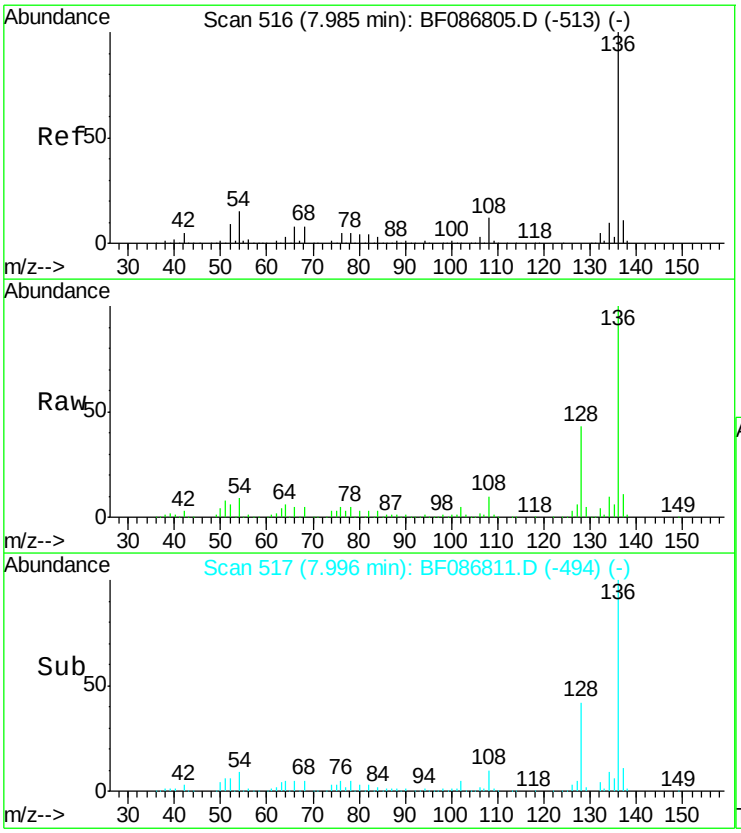
#7
Phenol-d6
Concen: 1.07 ng
RT: 6.38 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion: 99 Resp: 14487

Ion	Ratio	Lower	Upper
99	100		
42	33.9	13.6	20.4#
71	35.0	24.6	36.8

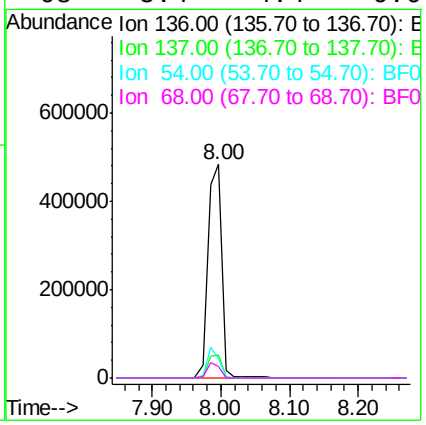


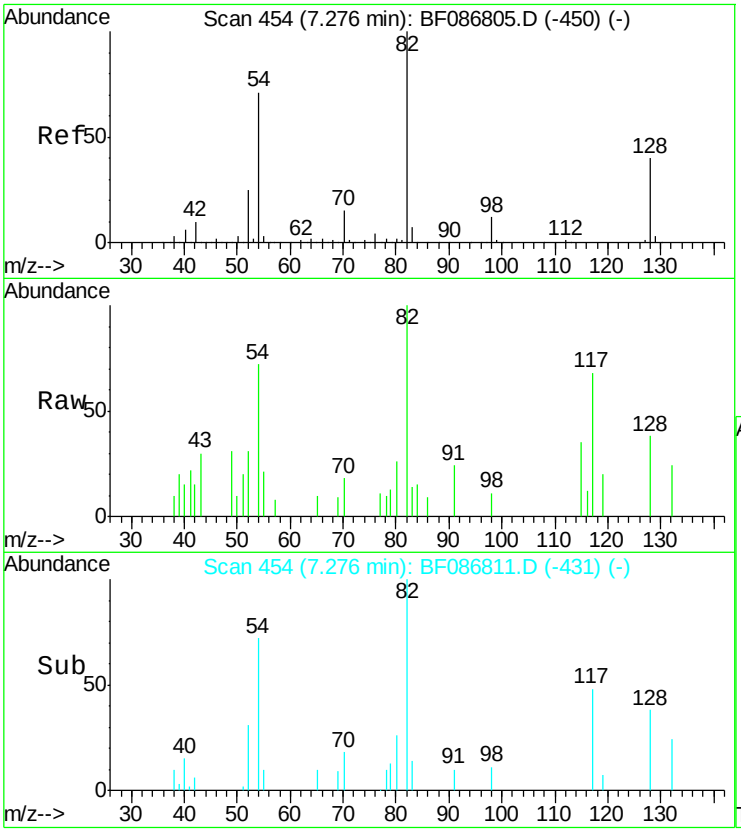


#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:136 Resp: 676891

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.2	5.0	7.4#
68	5.4	4.4	6.6



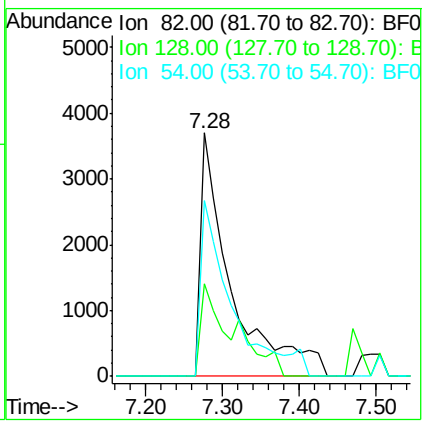


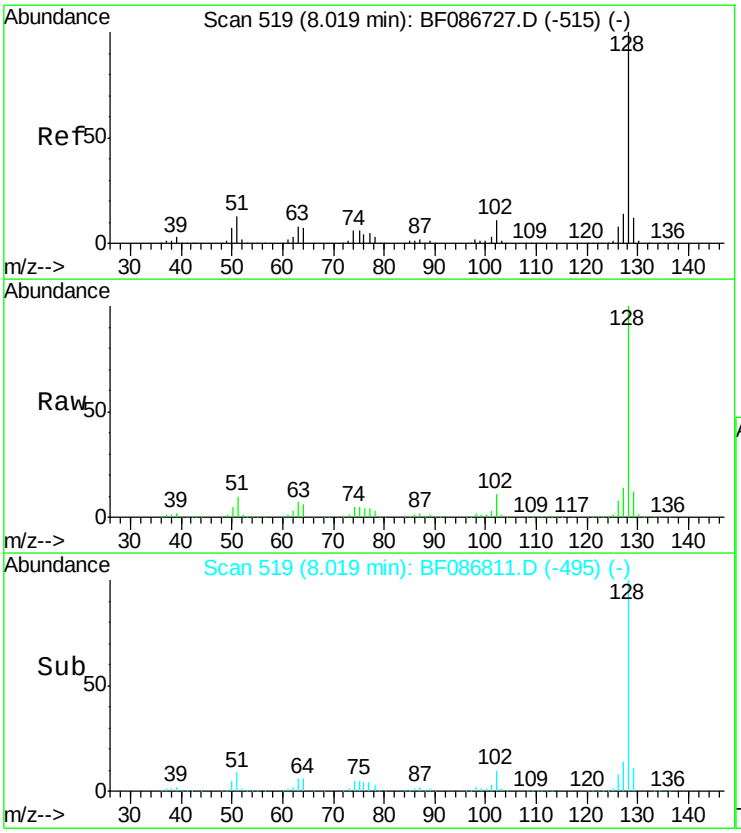
#23
Nitrobenzene-d5
Concen: 0.77 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion: 82 Resp: 10140

Ion	Ratio	Lower	Upper
82	100		
128	37.8	40.6	61.0#
54	72.3	38.1	57.1#

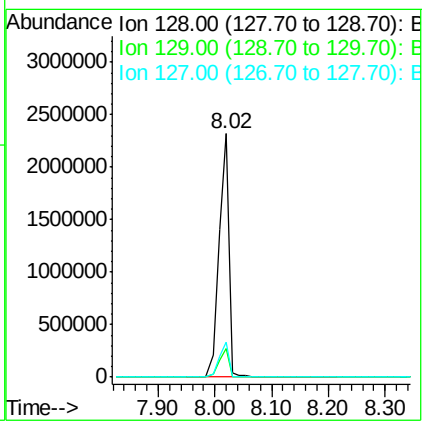


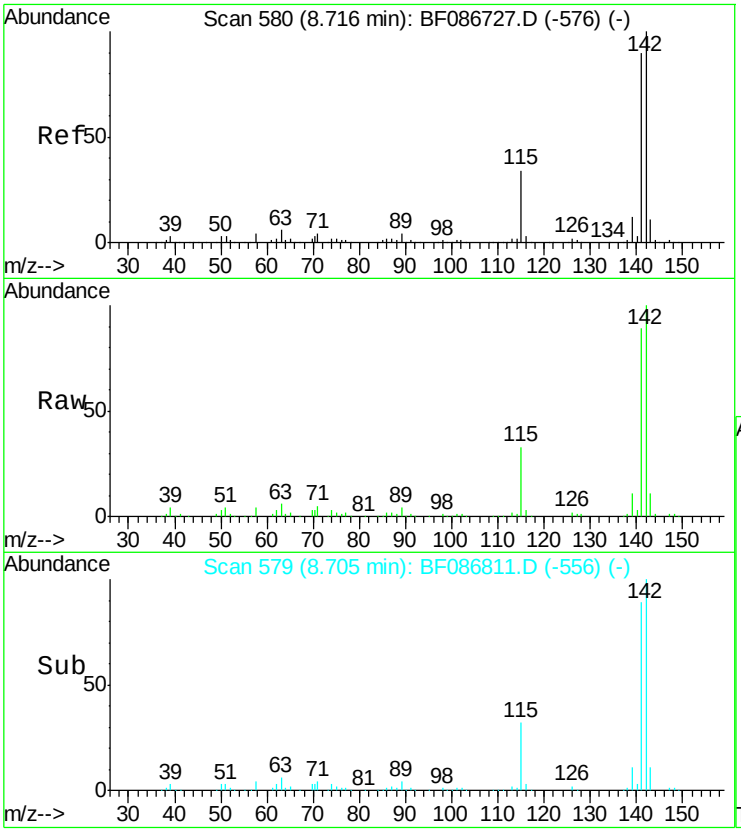


#31
Naphthalene
Concen: 80.64 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:128 Resp: 2788654

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	14.5	10.8	16.2



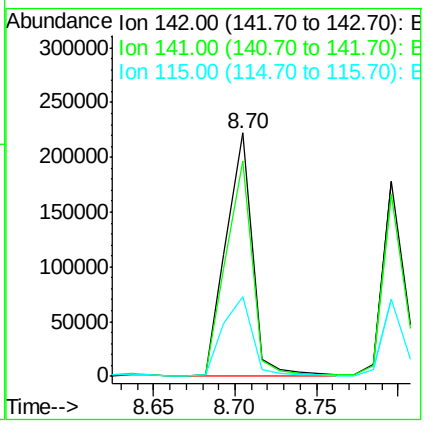


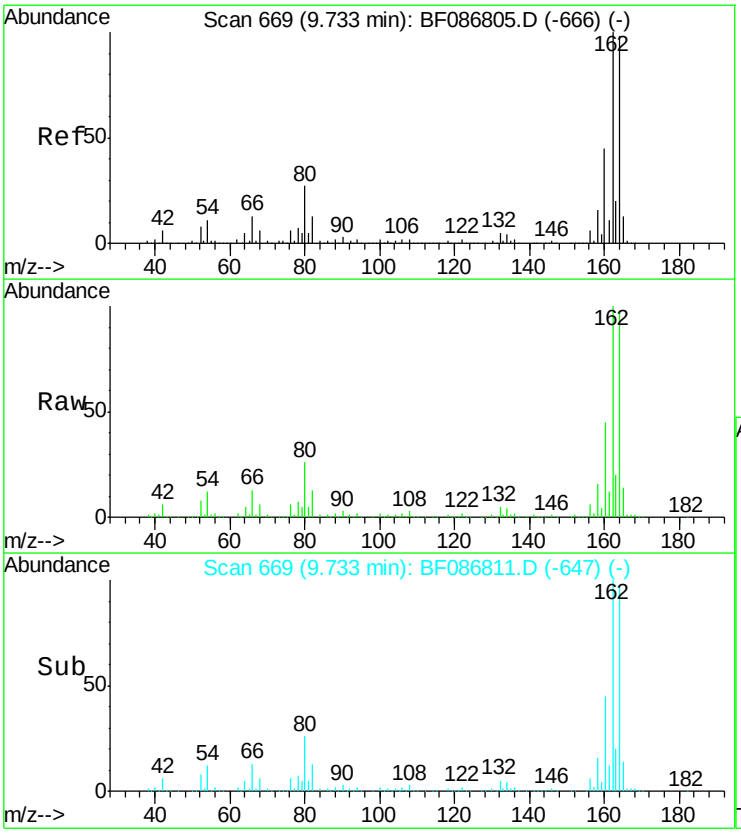
#37
2-Methylnaphthalene
Concen: 12.28 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:142 Resp: 250537

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	32.5	26.6	39.8

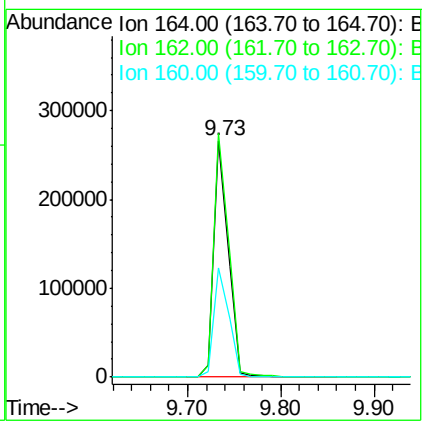


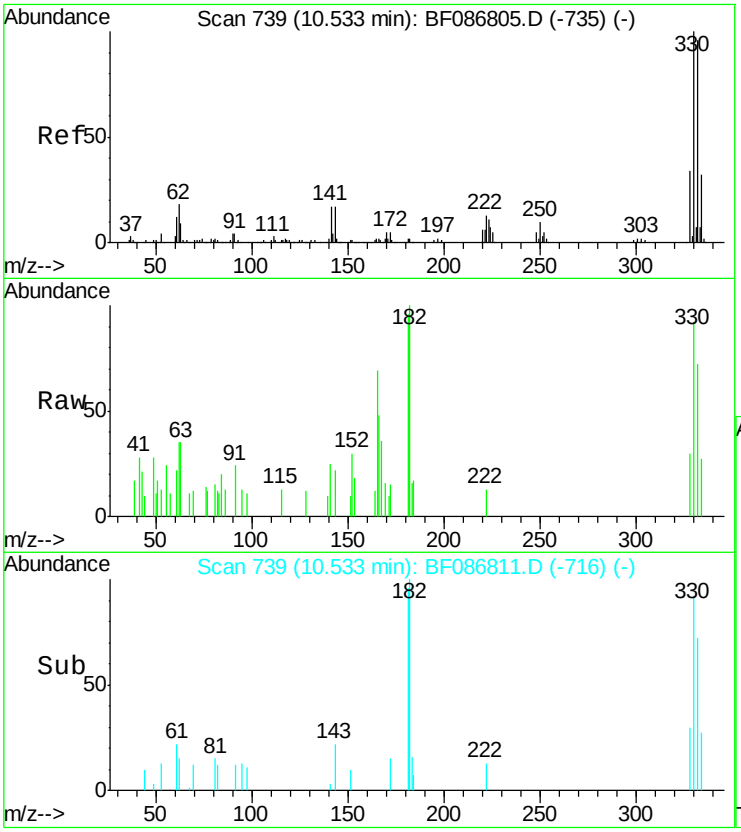


#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:164 Resp: 286007

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.8	124.2
160	46.0	36.9	55.3



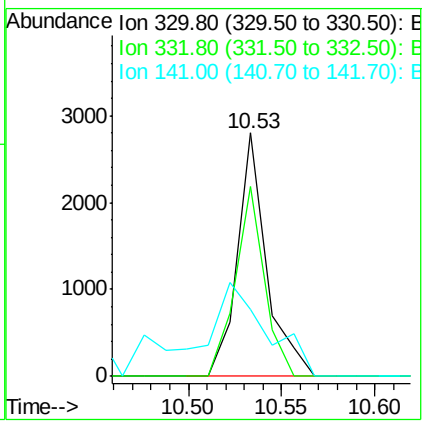


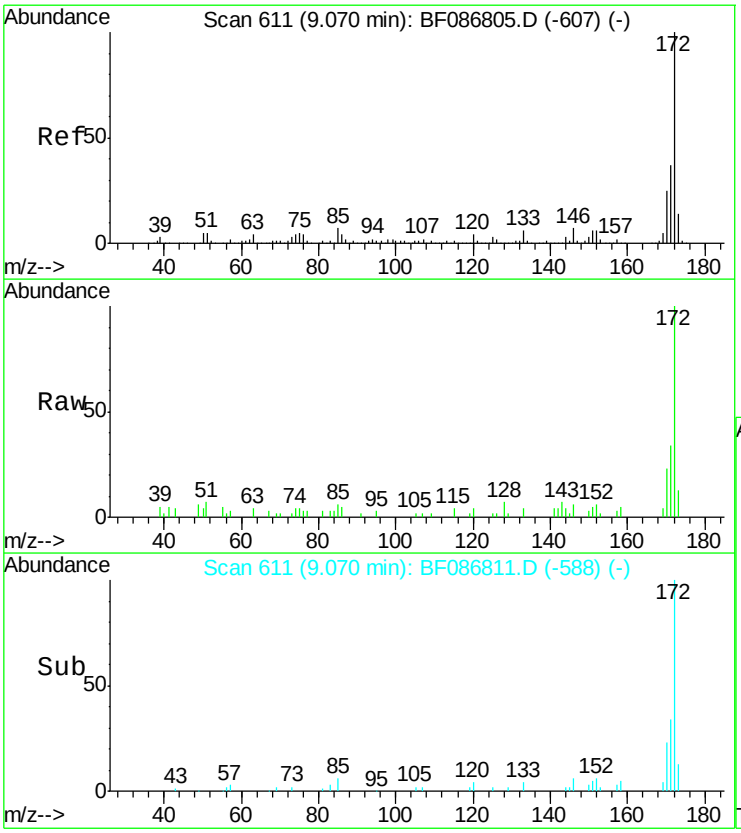
#41
2,4,6-Tribromophenol
Concen: 1.09 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:330 Resp: 3058

Ion	Ratio	Lower	Upper
330	100		
332	77.5	79.0	118.4#
141	92.9	31.2	46.8#

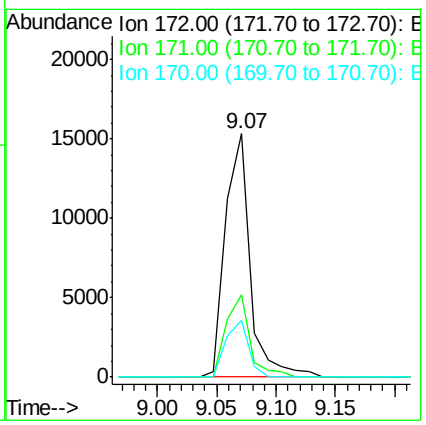


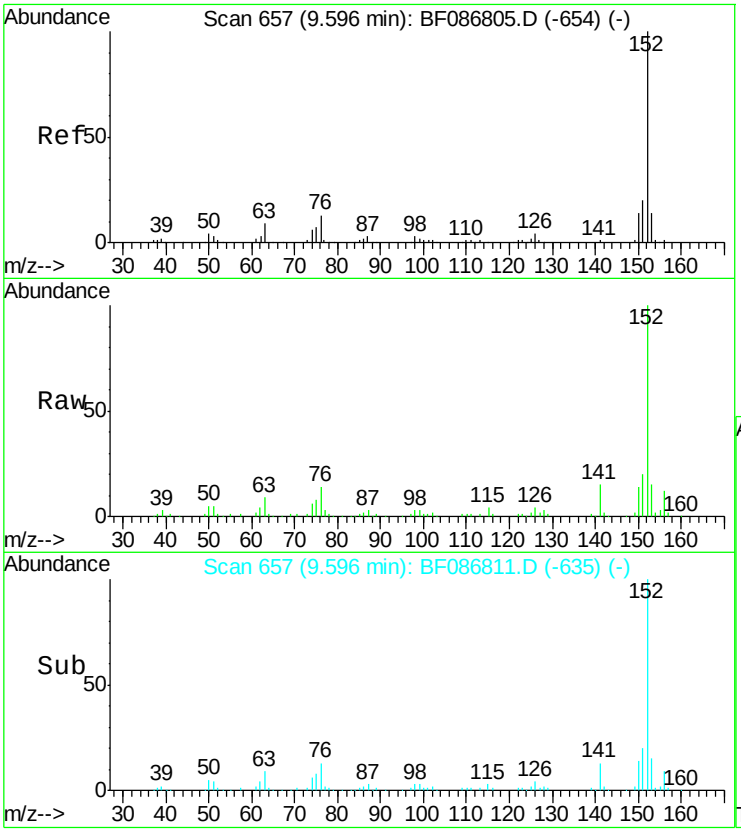


#44
2-Fluorobiphenyl
Concen: 1.26 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:172 Resp: 22068

Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.0	43.6
170	23.5	19.8	29.8



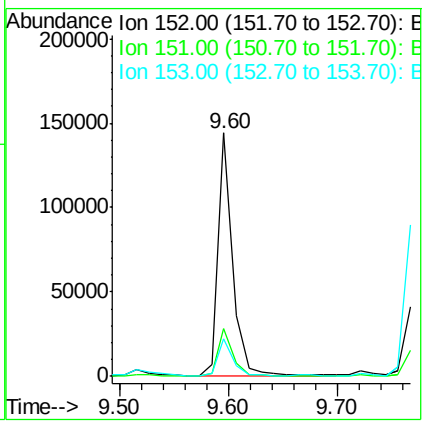


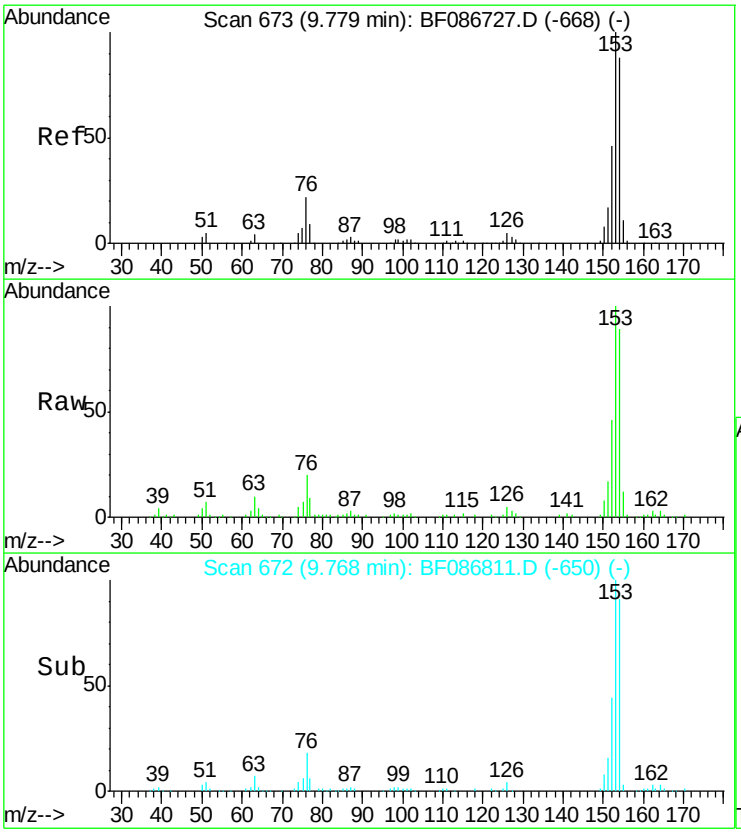
#48
Acenaphthylene
Concen: 5.17 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:152 Resp: 138484

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	15.3	10.9	16.3

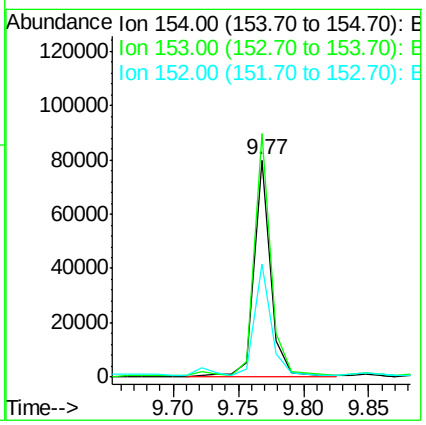


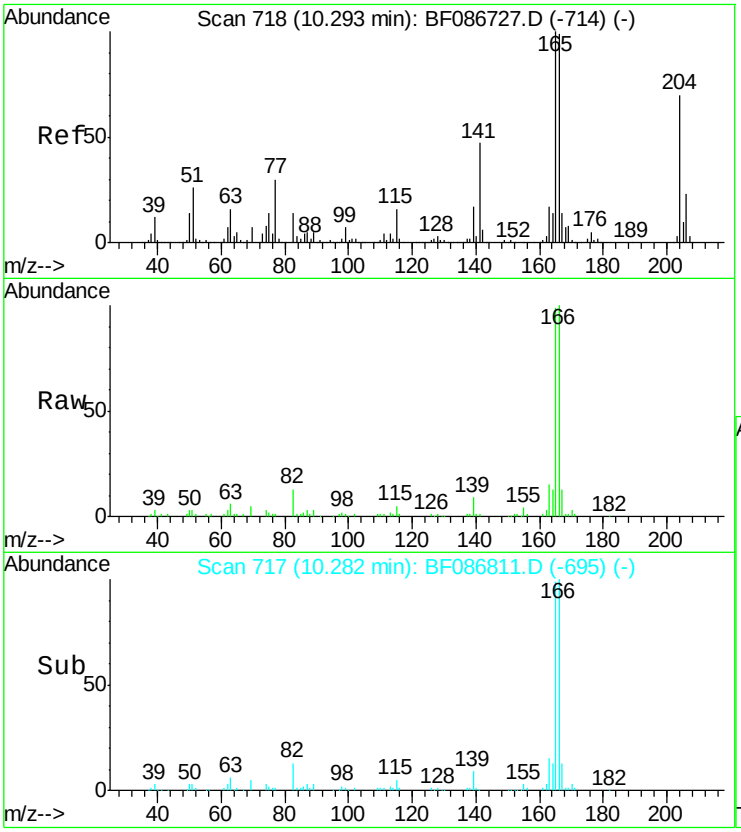


#51
Acenaphthene
Concen: 4.06 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:154 Resp: 71753

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.8	134.6
152	51.8	43.4	65.0



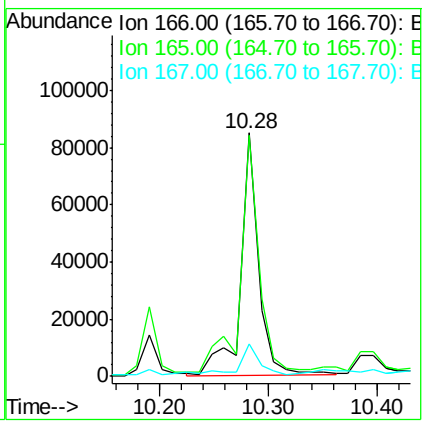


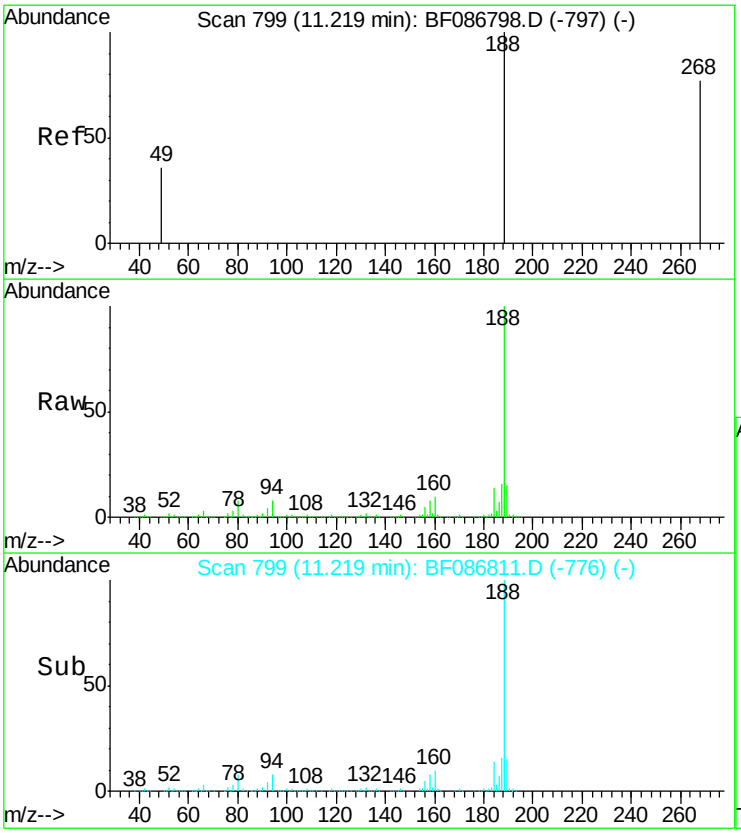
#57
Fluorene
Concen: 5.43 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:166 Resp: 96328

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.0	118.6
167	13.4	10.6	15.8

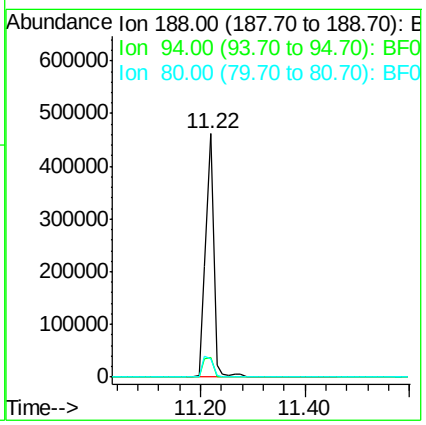


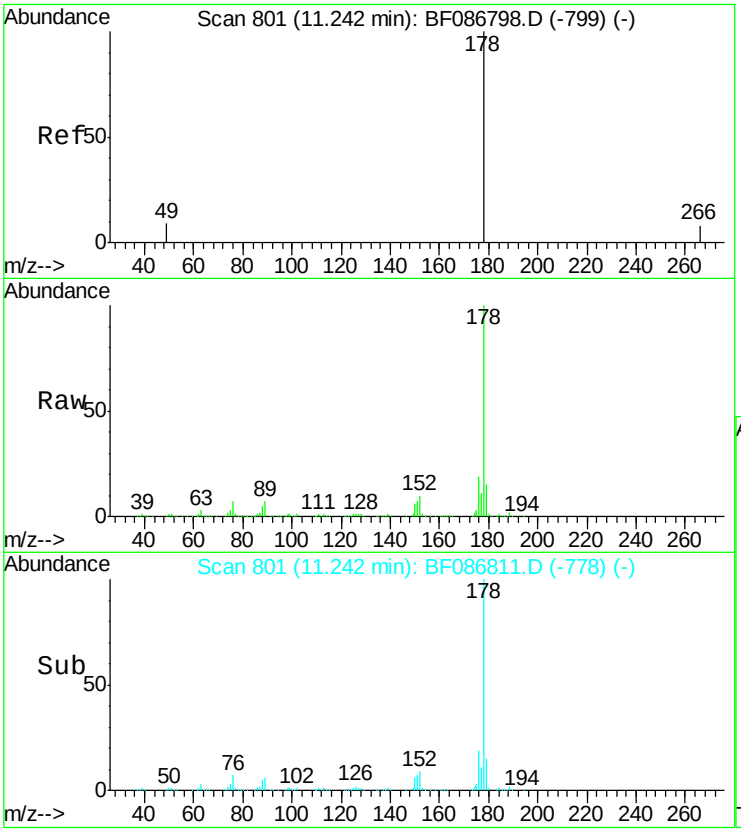


#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:188 Resp: 501838

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.8	10.2
80	7.8	7.1	10.7



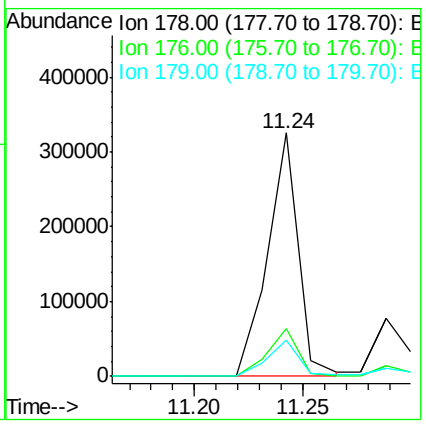


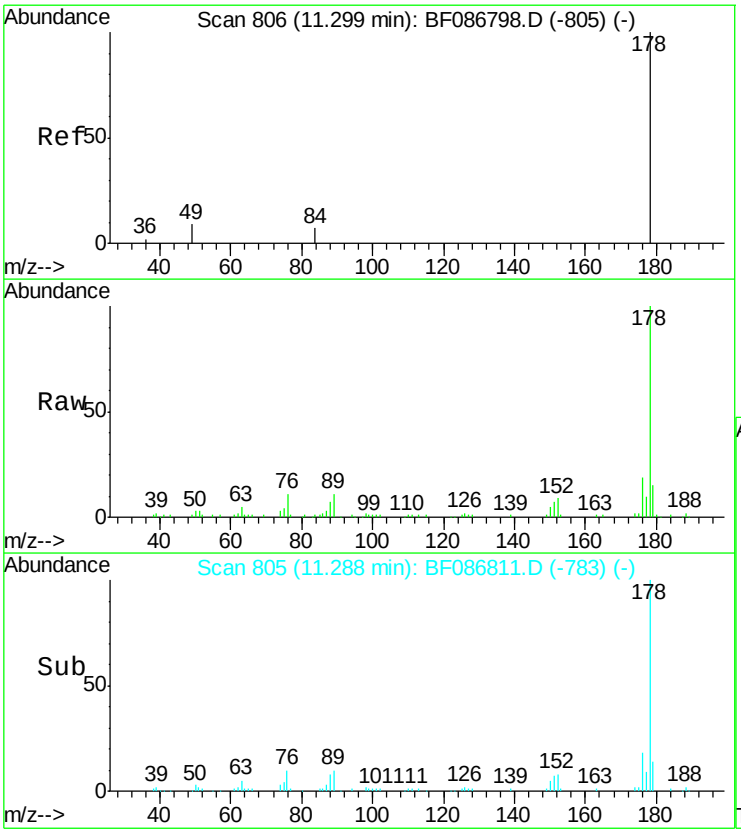
#70
Phenanthrene
Concen: 11.91 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:178 Resp: 321098

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.1	12.6	18.8

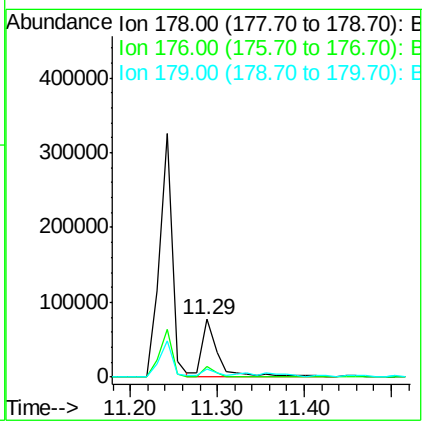


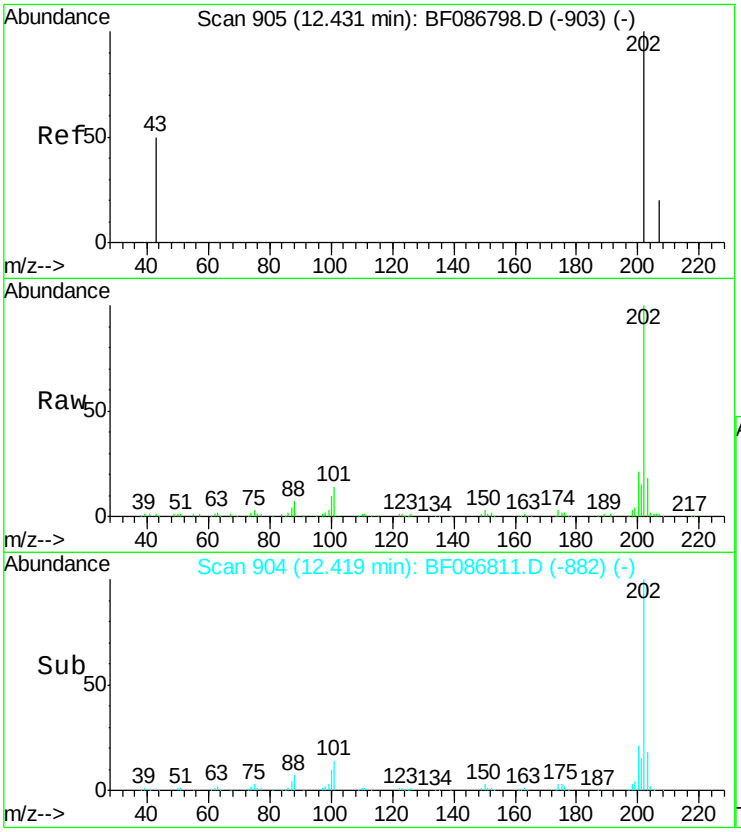


#71
Anthracene
Concen: 3.40 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:178 Resp: 96055

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.1	12.7	19.1



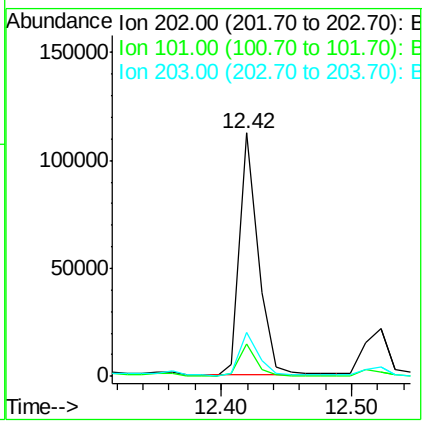


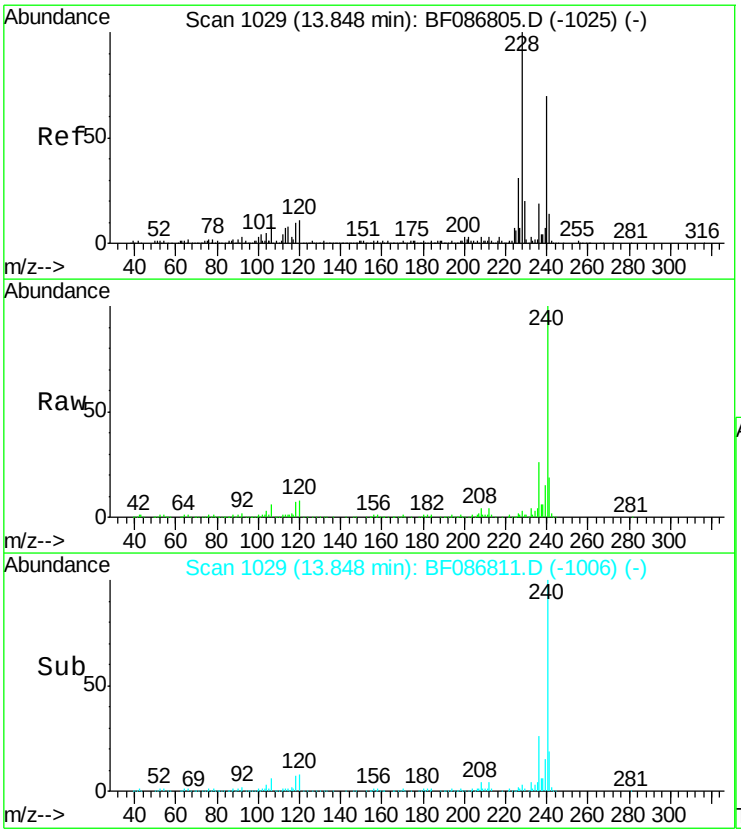
#74
Fluoranthene
Concen: 4.09 ng
RT: 12.42 min Scan# 904
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:202 Resp: 110480

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	35.4
203	18.0	0.0	38.1

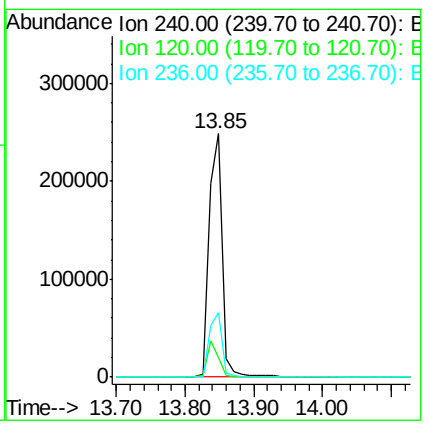


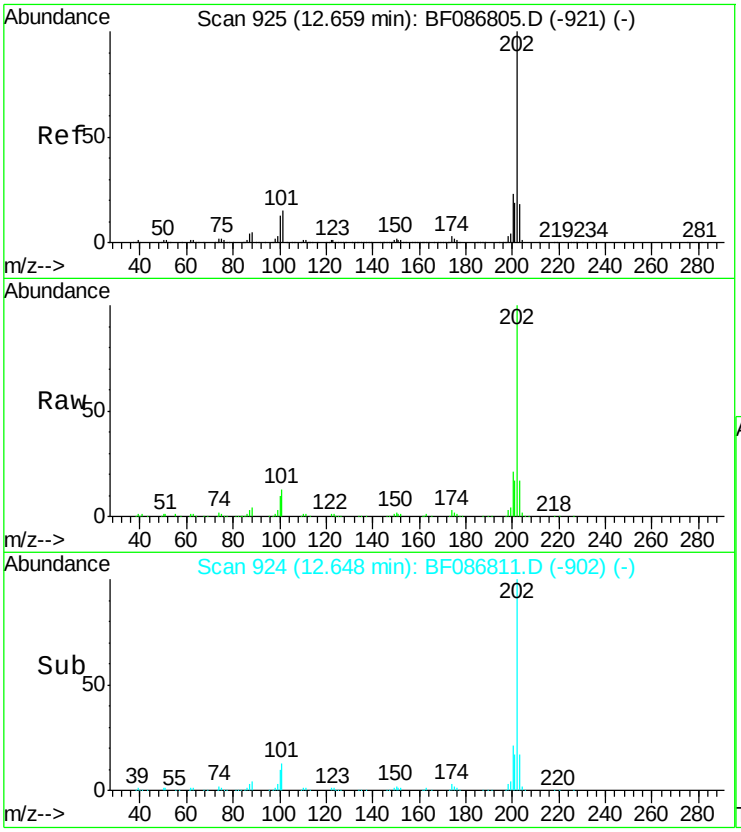


#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:240 Resp: 335643

Ion	Ratio	Lower	Upper
240	100		
120	7.9	11.2	16.8#
236	26.4	21.2	31.8



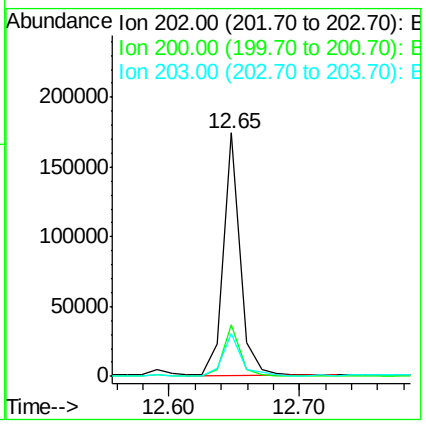


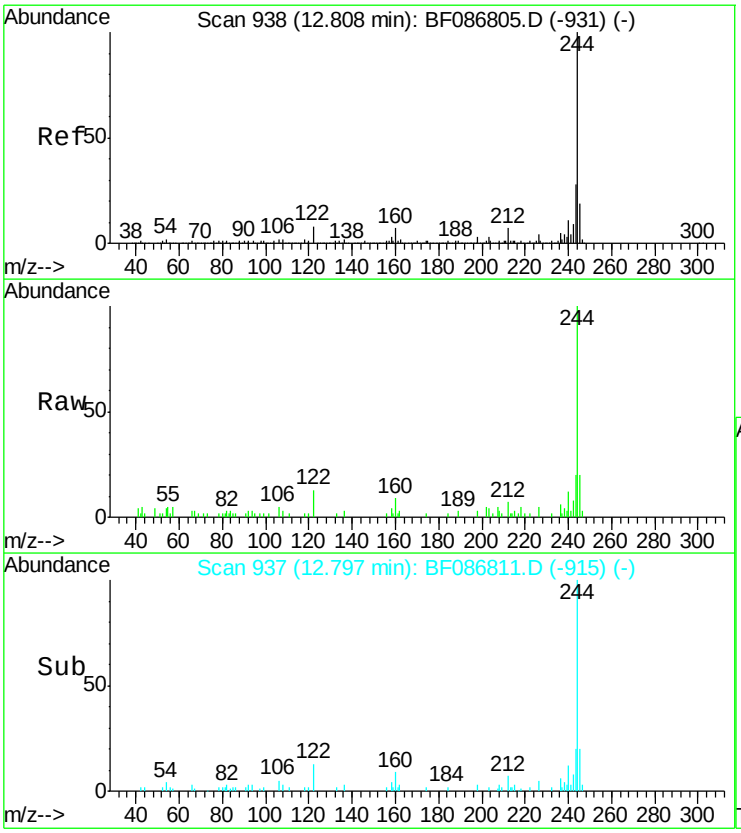
#77
Pyrene
Concen: 5.84 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:202 Resp: 156362

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.5	14.2	21.4

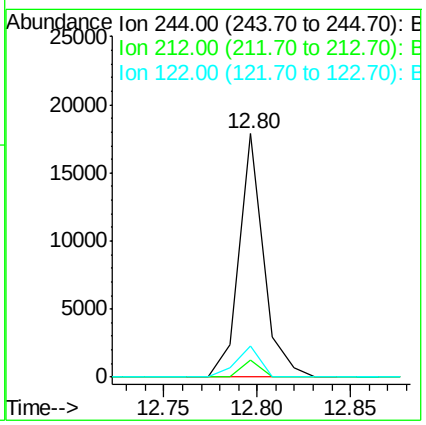


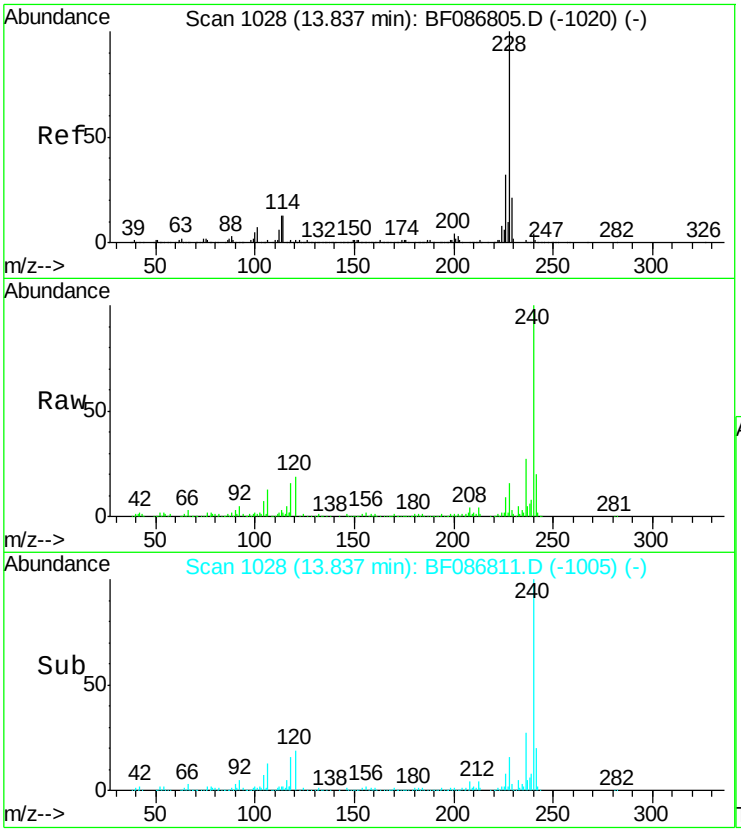


#78
Terphenyl-d14
Concen: 0.99 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:244 Resp: 16386

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	12.8	12.0	18.0



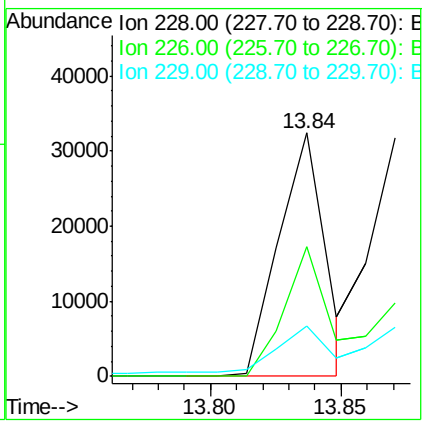


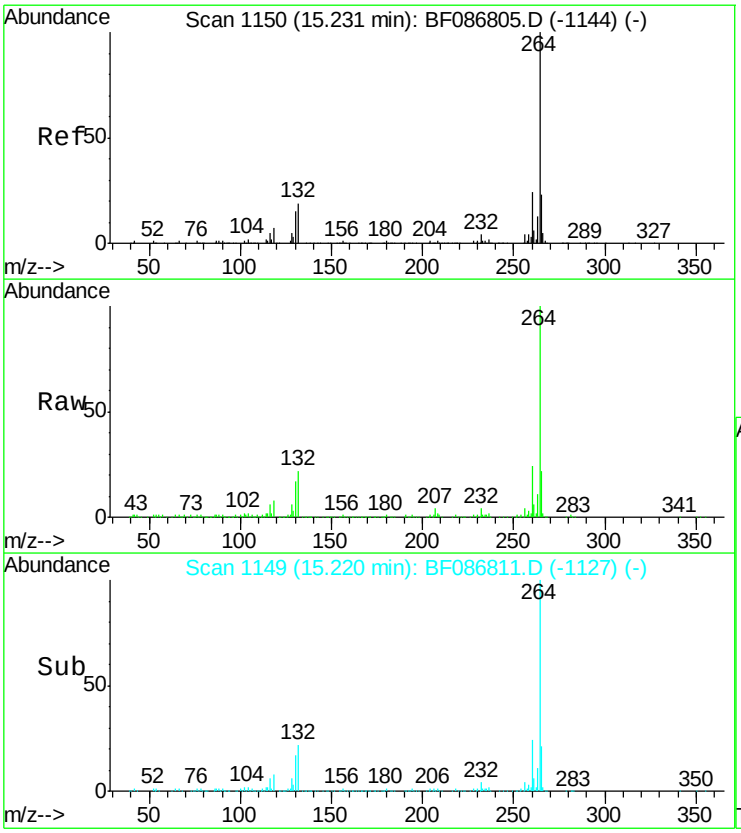
#80
Benzo(a)anthracene
Concen: 2.09 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:228 Resp: 39707

Ion	Ratio	Lower	Upper
228	100		
226	53.2	22.5	33.7#
229	20.7	16.6	25.0





#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:264 Resp: 303508

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.6	17.3	25.9