Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
Data File : BF086879.D
Acq On : 11 May 2016 4:14
Operator : UM/SJ
Sample : H2762-04DL3 200X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 11 07:53:56 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	164413	20.00	ng		-0.01
21) Naphthalene-d8	7.97	136	600079	20.00	ng		-0.01
38) Acenaphthene-d10	9.72	164	264186	20.00	ng		-0.01
63) Phenanthrene-d10	11.20	188	408868	20.00	ng		-0.01
75) Chrysene-d12	13.83	240	344604	20.00	ng		-0.01
86) Perylene-d12	15.20	264	300172	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	51573	5.31	ng		0.00
7) Phenol-d6	6.35	99	65441	5.04	ng		-0.01
23) Nitrobenzene-d5	7.25	82	48280	4.04	ng		-0.01
41) 2,4,6-Tribromophenol	10.51	330	8630	3.09	ng		-0.01
44) 2-Fluorobiphenyl	9.05	172	88244	5.61	ng		-0.01
78) Terphenyl-d14	12.77	244	58579	3.61	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	6.20	77	40137	5.34	ng	#	1
18) Hexachloroethane	7.22	117	44364	9.12	ng	#	13
31) Naphthalene	8.01	128	6515261	216.77	ng	#	94
32) Benzoic acid	8.01	122	17622	3.26	ng	#	1
33) 4-Chloroaniline	8.01	127	975803	83.55	ng	#	35
37) 2-Methylnaphthalene	8.78	142	563314	32.06	ng		95
45) 1,1'-Biphenyl	9.15	154	155221	7.39	ng		99
48) Acenaphthylene	9.58	152	444950	18.37	ng		97
51) Acenaphthene	9.76	154	219363	14.56	ng		99
54) Dibenzofuran	9.93	168	41488	2.15	ng	#	86
55) 4-Nitrophenol	9.76	139	4401	5.95	ng		90
57) Fluorene	10.26	166	298773	18.12	ng		97
70) Phenanthrene	11.22	178	869055	39.83	ng		100
71) Anthracene	11.28	178	281307	12.61	ng		98
74) Fluoranthene	12.41	202	358417	15.97	ng		91
77) Pyrene	12.62	202	503277	19.08	ng		99
80) Benzo(a)anthracene	13.85	228	120045	6.21	ng		95
82) Chrysene	13.85	228	120045	6.10	ng		97
85) Indeno(1,2,3-cd)pyrene	16.49	276	45819	2.80	ng	#	87
87) Benzo(b)fluoranthene	14.82	252	136655	7.00	ng		98
88) Benzo(k)fluoranthene	14.82	252	136655	8.56	ng		99
89) Benzo(a)pyrene	15.14	252	116128	6.90	ng		97

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

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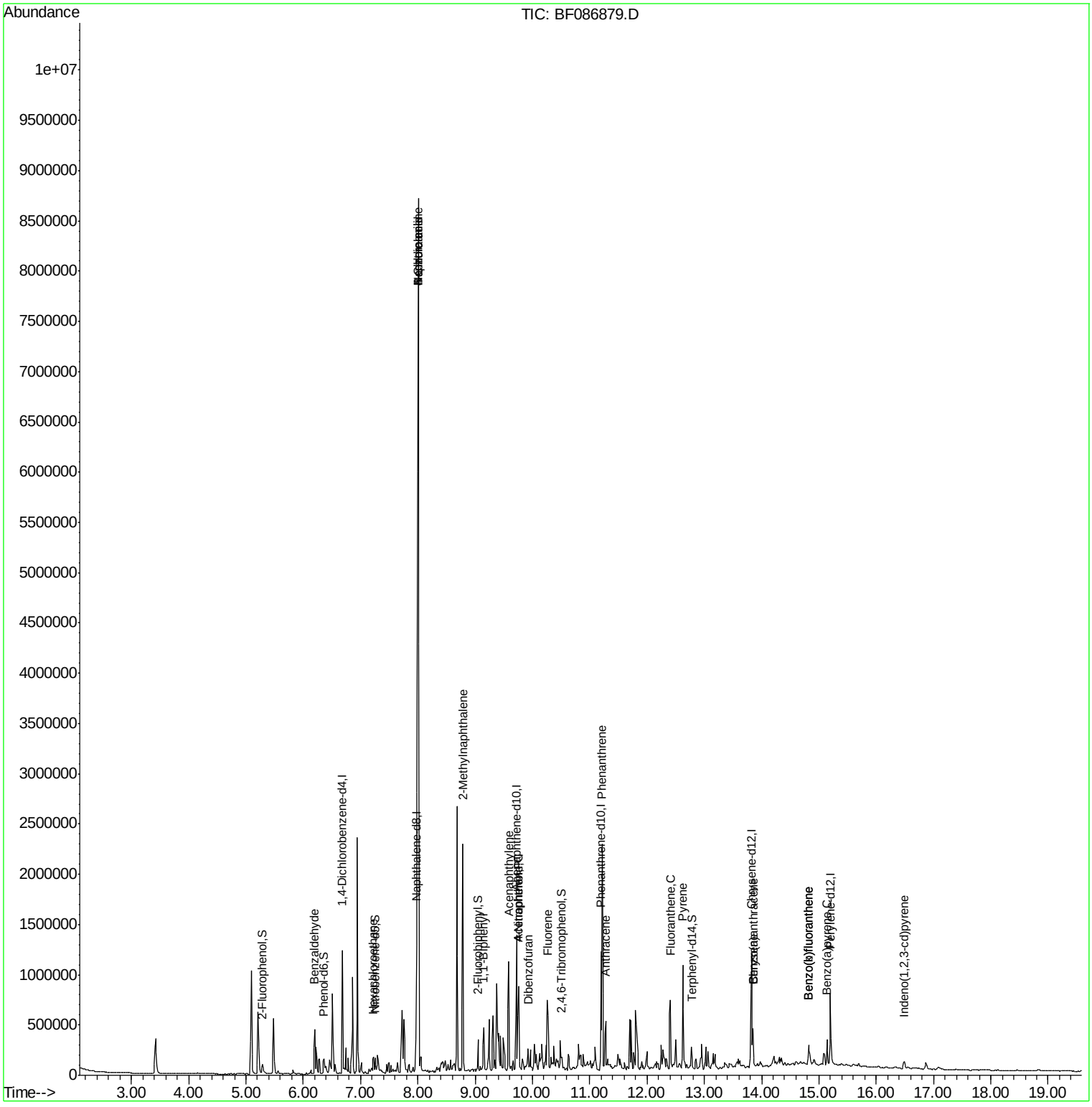
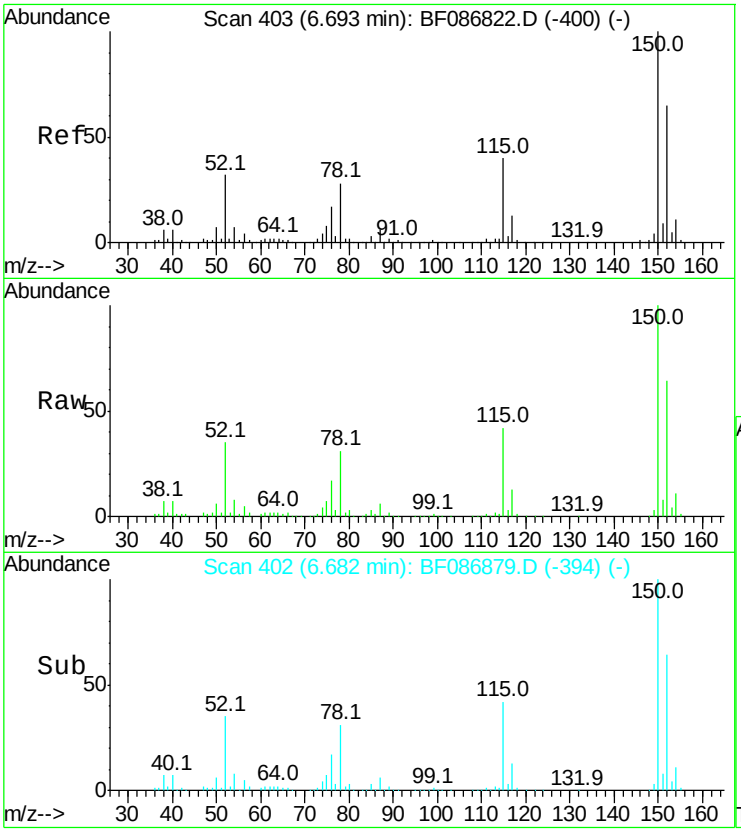


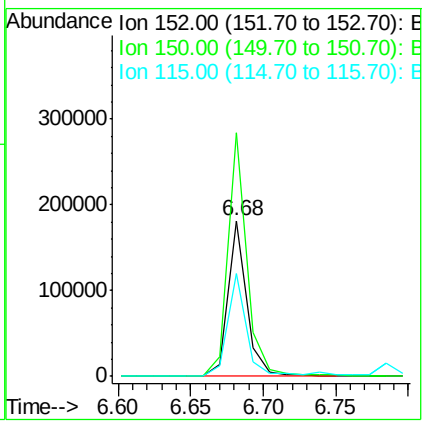


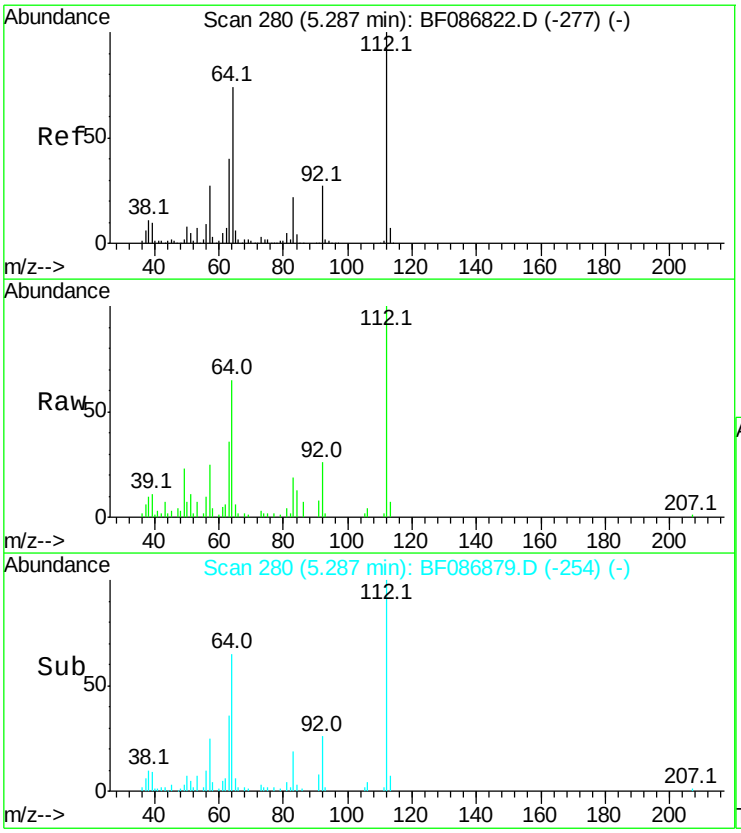
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 164413

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.8	188.6
115	66.4	51.5	77.3

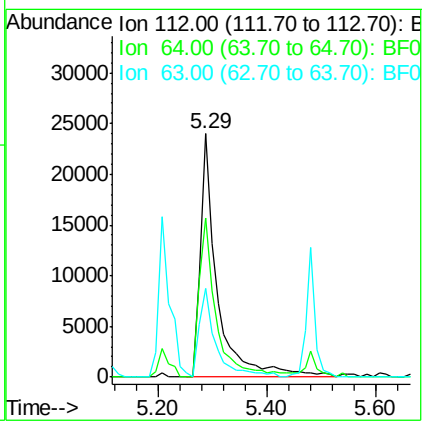


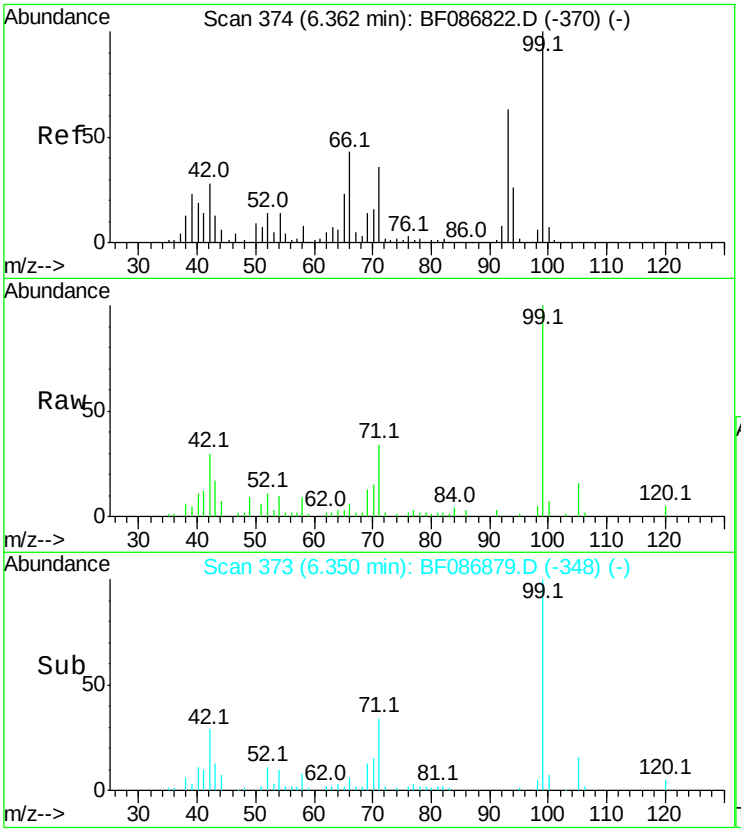


#5
2-Fluorophenol
Concen: 5.31 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:112 Resp: 51573

Ion	Ratio	Lower	Upper
112	100		
64	65.3	52.1	78.1
63	36.3	25.7	38.5



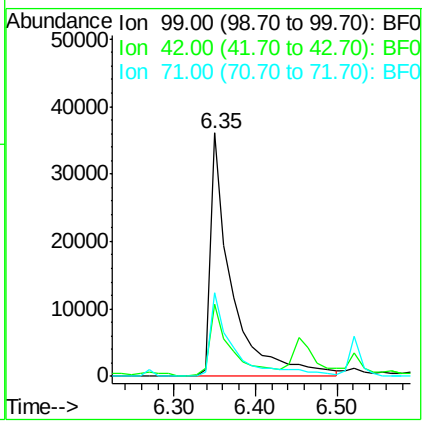


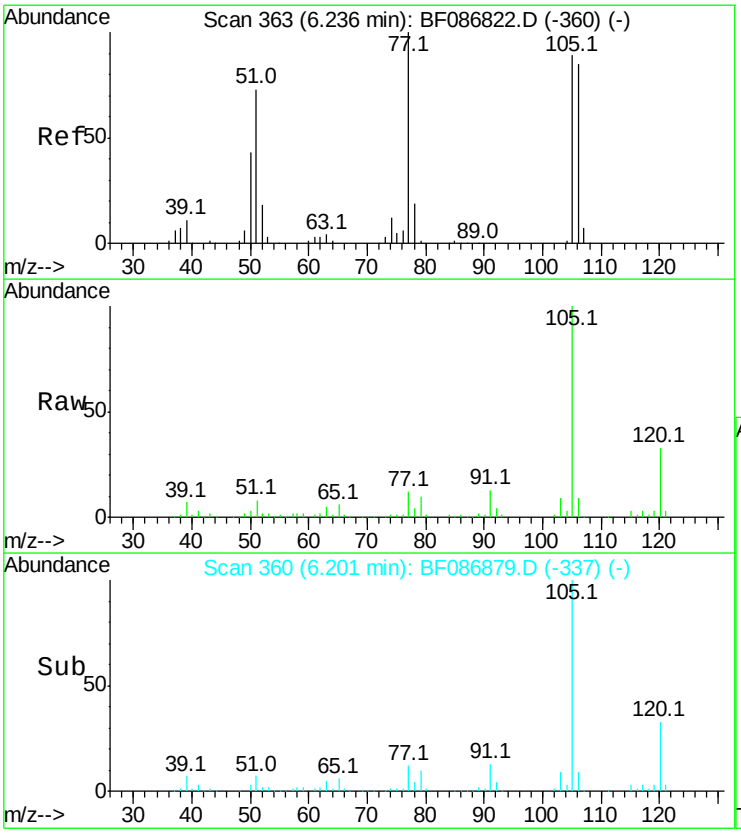
#7
Phenol-d6
Concen: 5.04 ng
RT: 6.35 min Scan# 373
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 65441

Ion	Ratio	Lower	Upper
99	100		
42	29.6	13.6	20.4#
71	34.1	24.6	36.8

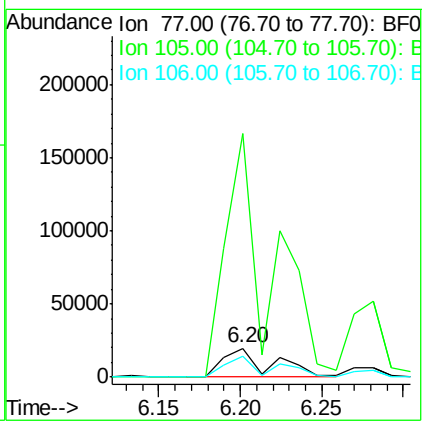


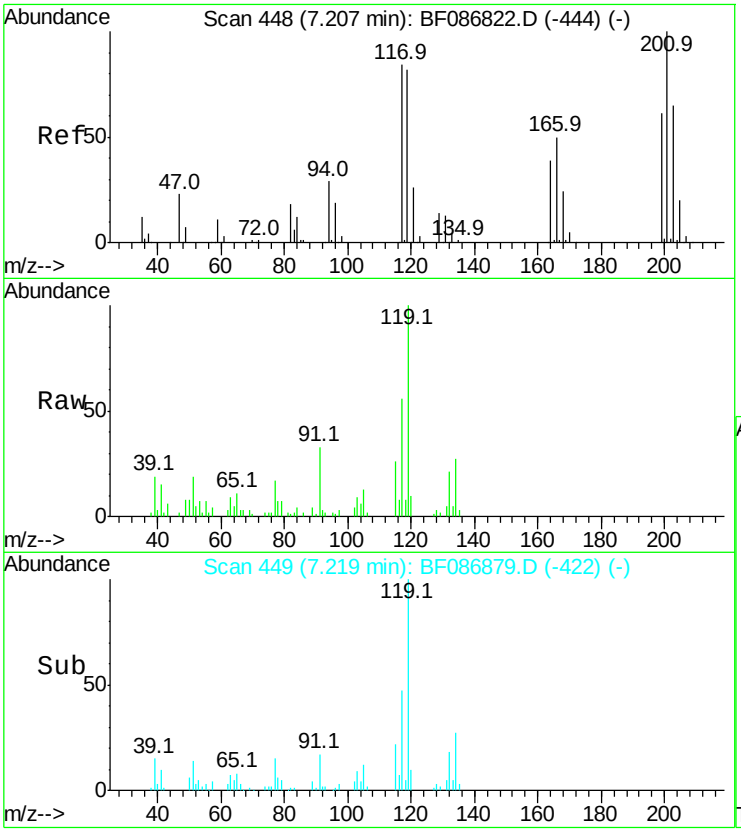


#9
Benzaldehyde
Concen: 5.34 ng
RT: 6.20 min Scan# 360
Delta R.T. -0.03 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion: 77 Resp: 40137

Ion	Ratio	Lower	Upper
77	100		
105	837.7	72.7	112.7#
106	71.5	70.8	110.8



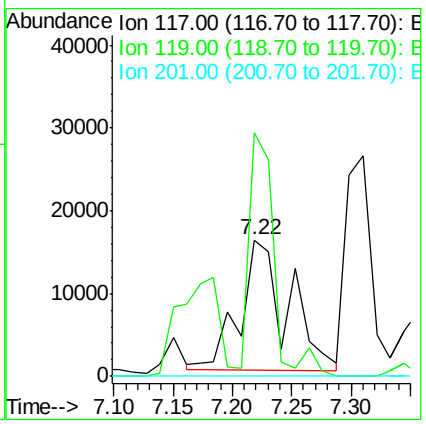


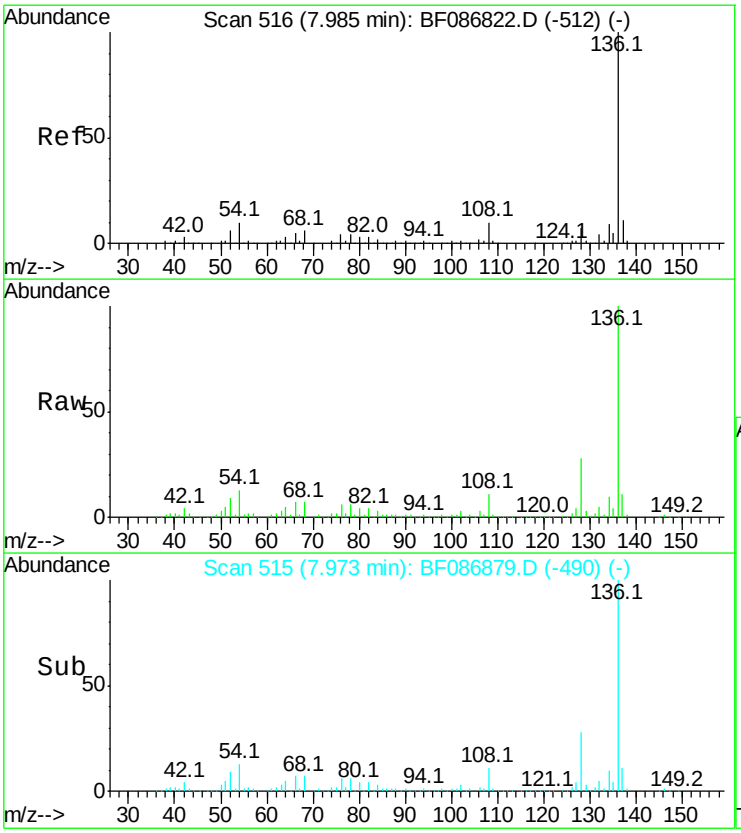
#18
Hexachloroethane
Concen: 9.12 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 44364

Ion	Ratio	Lower	Upper
117	100		
119	178.3	76.5	114.7#
201	0.0	63.0	94.6#

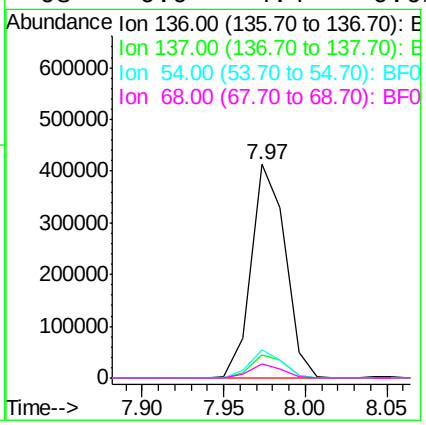


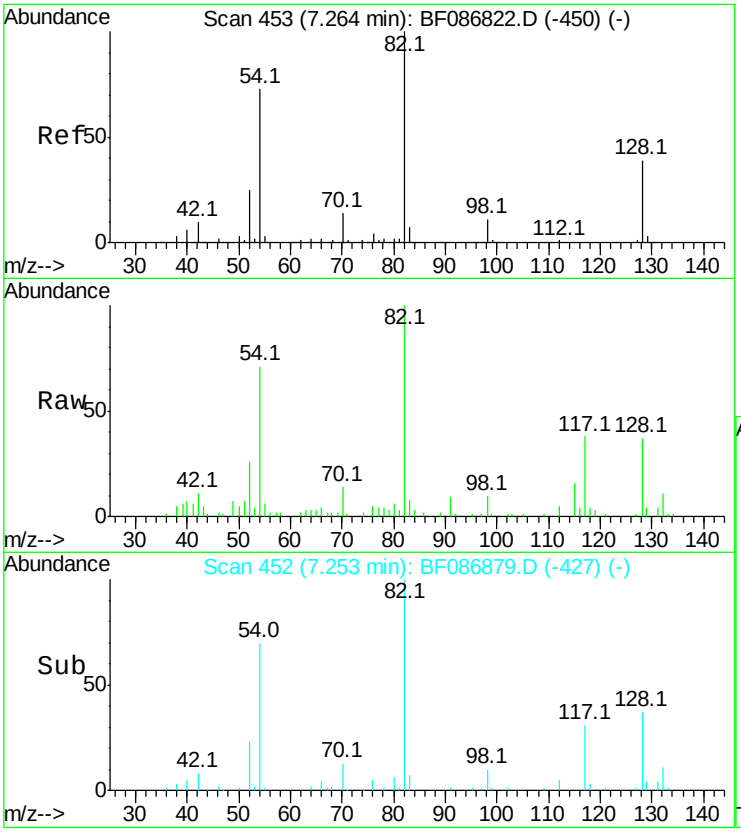


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:136 Resp: 600079

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.2	5.0	7.4#
68	6.9	4.4	6.6#



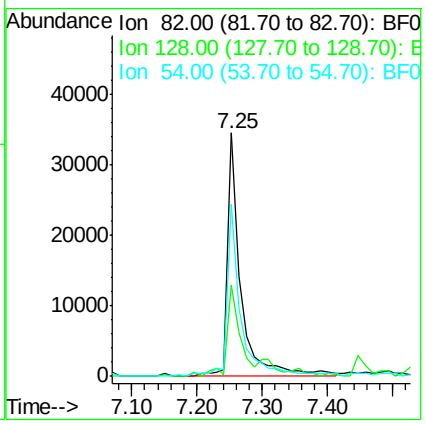


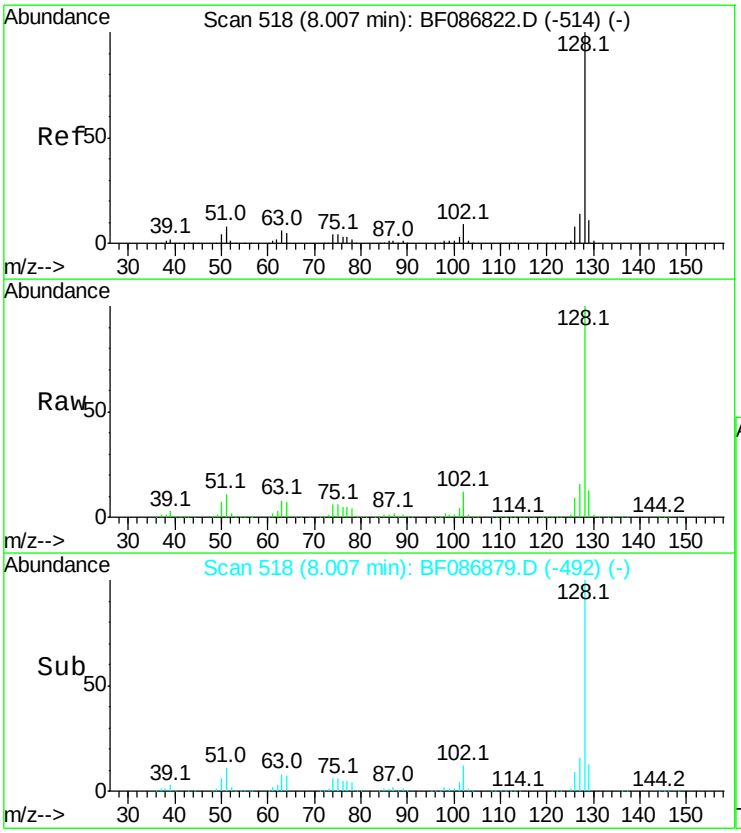
#23
Nitrobenzene-d5
Concen: 4.04 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 48280

Ion	Ratio	Lower	Upper
82	100		
128	37.3	40.6	61.0#
54	70.8	38.1	57.1#

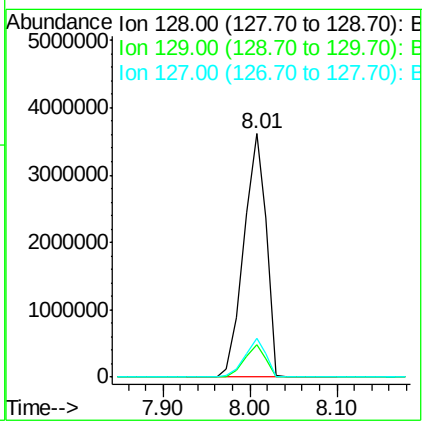


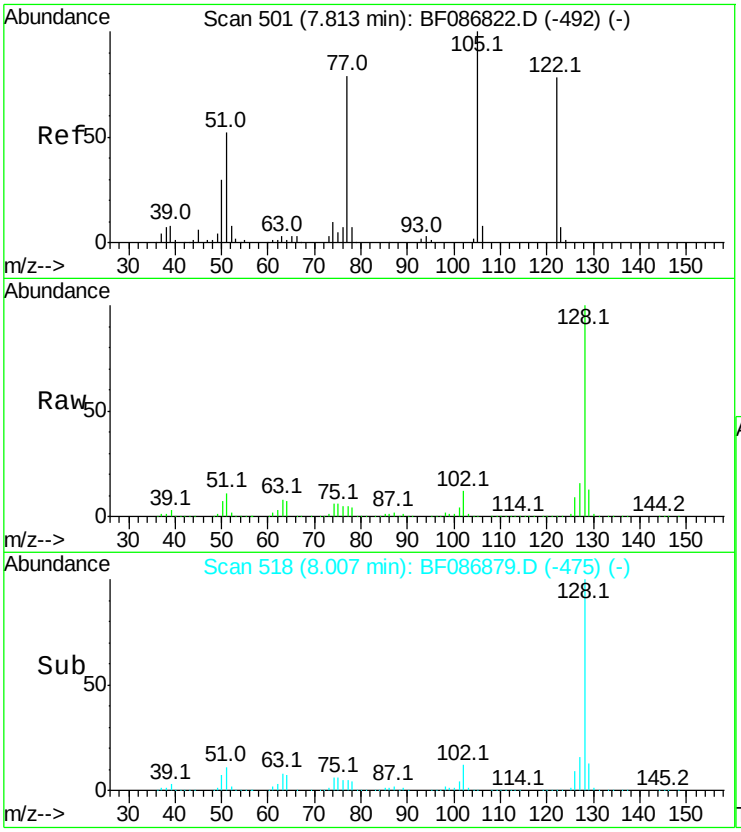


#31
Naphthalene
Concen: 216.77 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.00 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:128 Resp: 6515261

Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.6	13.0#
127	16.1	10.8	16.2



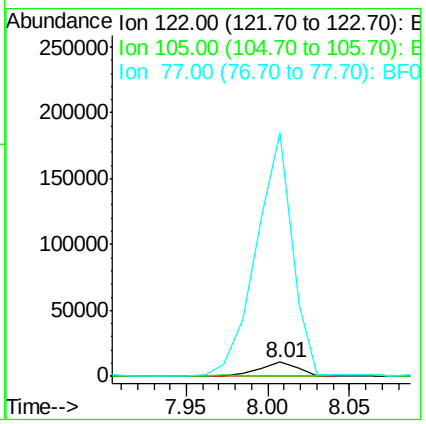


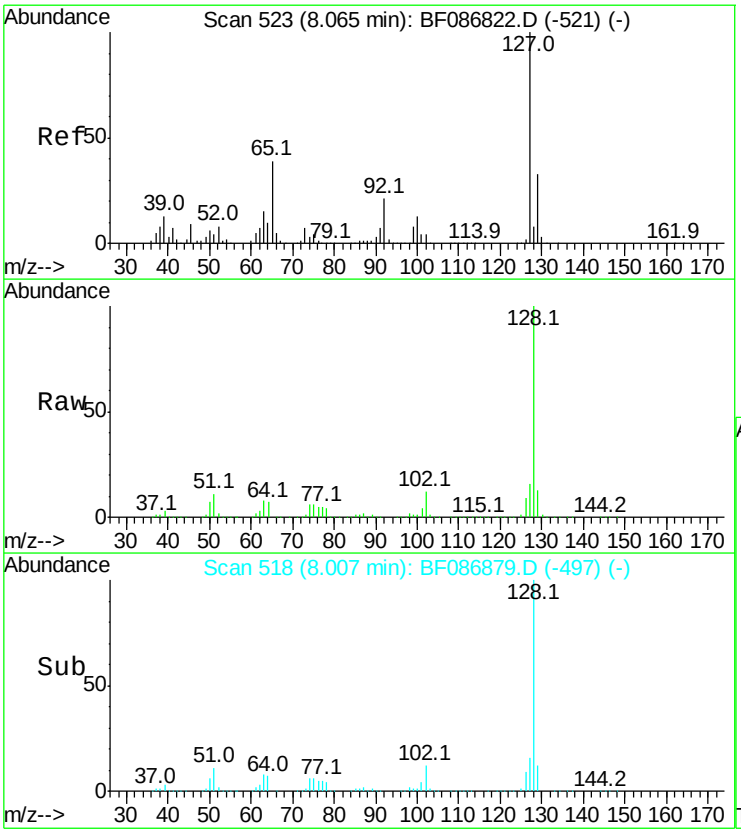
#32
Benzoic acid
Concen: 3.26 ng
RT: 8.01 min Scan# 518
Delta R.T. 0.19 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 17622

Ion	Ratio	Lower	Upper
122	100		
105	4.4	92.6	132.6#
77	1733.3	60.0	100.0#

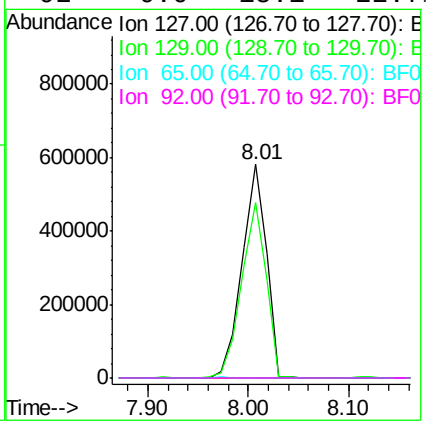


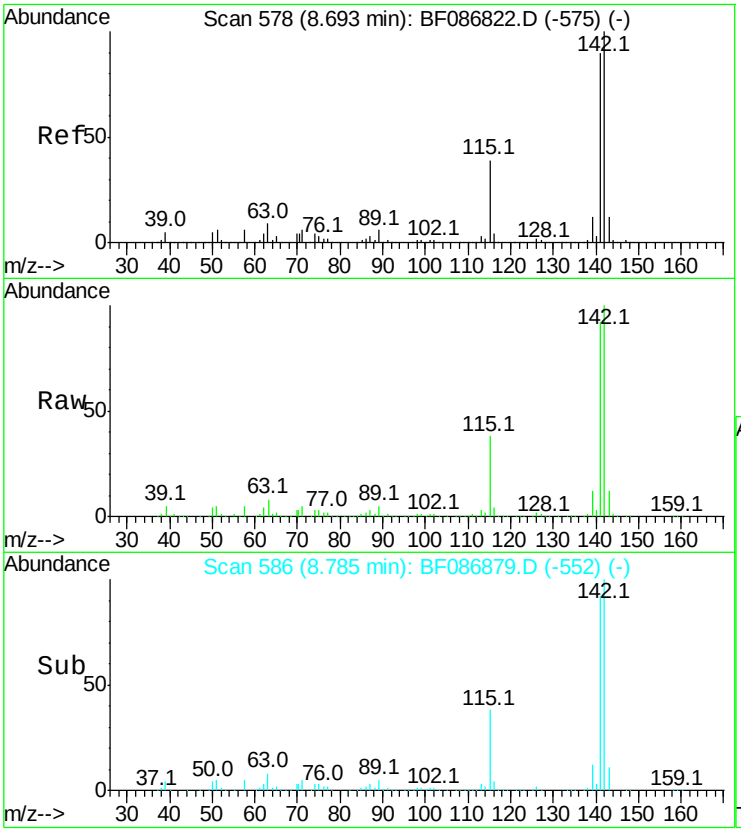


#33
4-Chloroaniline
Concen: 83.55 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:127 Resp: 975803

Ion	Ratio	Lower	Upper
127	100		
129	82.1	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#

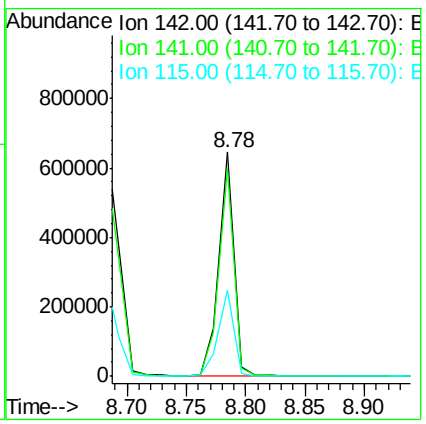




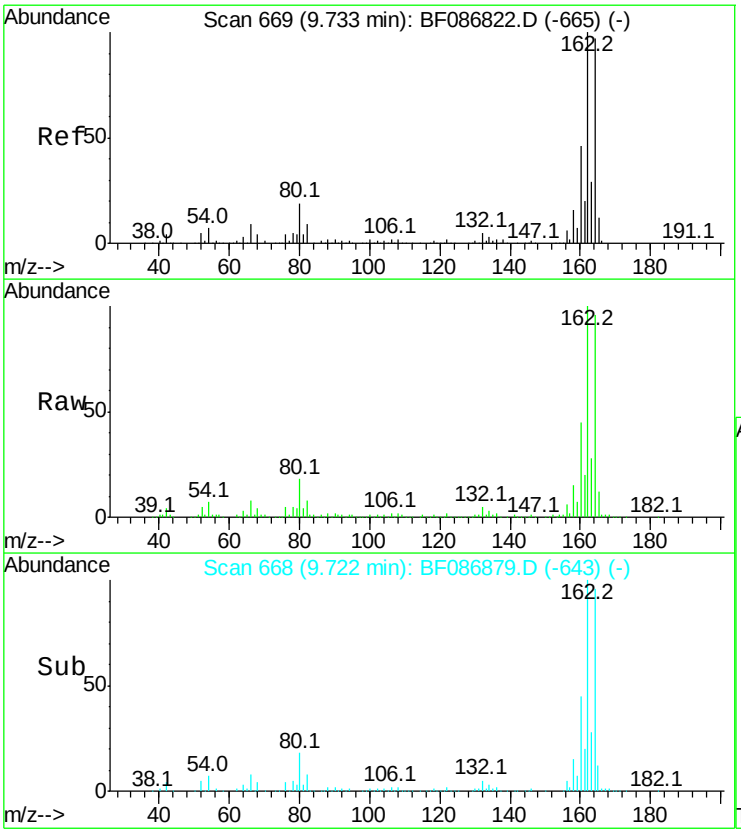
#37
2-Methylnaphthalene
Concen: 32.06 ng
RT: 8.78 min Scan# 586
Delta R.T. 0.09 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:142 Resp: 563314

Ion	Ratio	Lower	Upper
142	100		
141	92.5	71.0	106.6
115	38.4	26.6	39.8



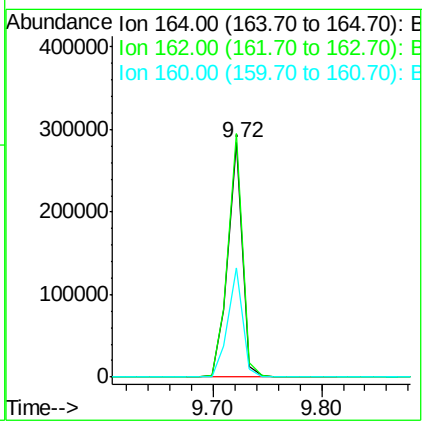
Instrument :
BNA_F
ClientSampleId :

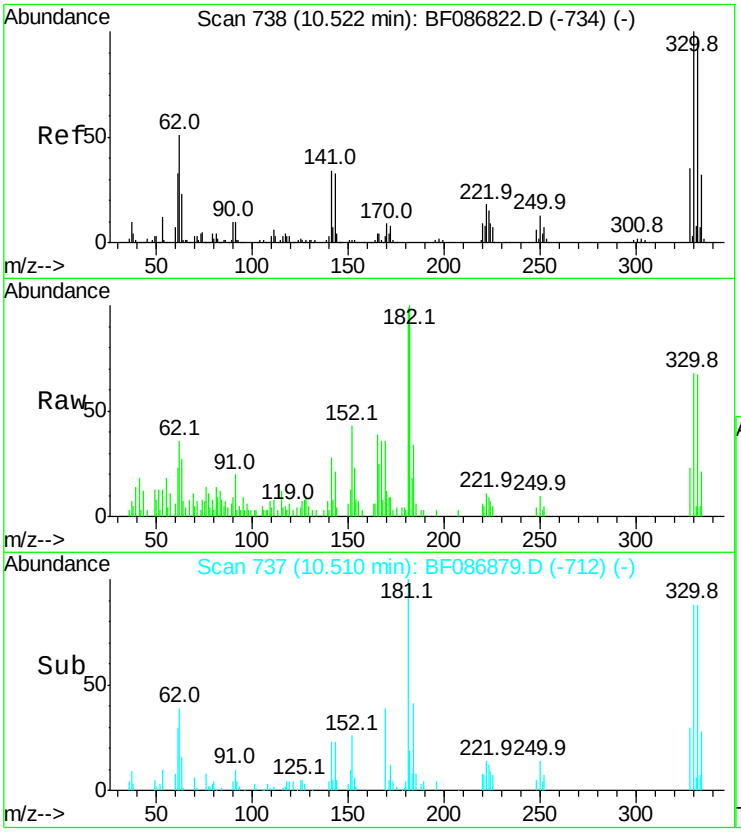


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:164 Resp: 264186

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.8	124.2
160	46.7	36.9	55.3



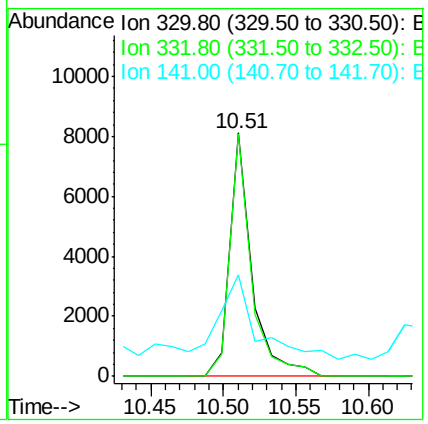


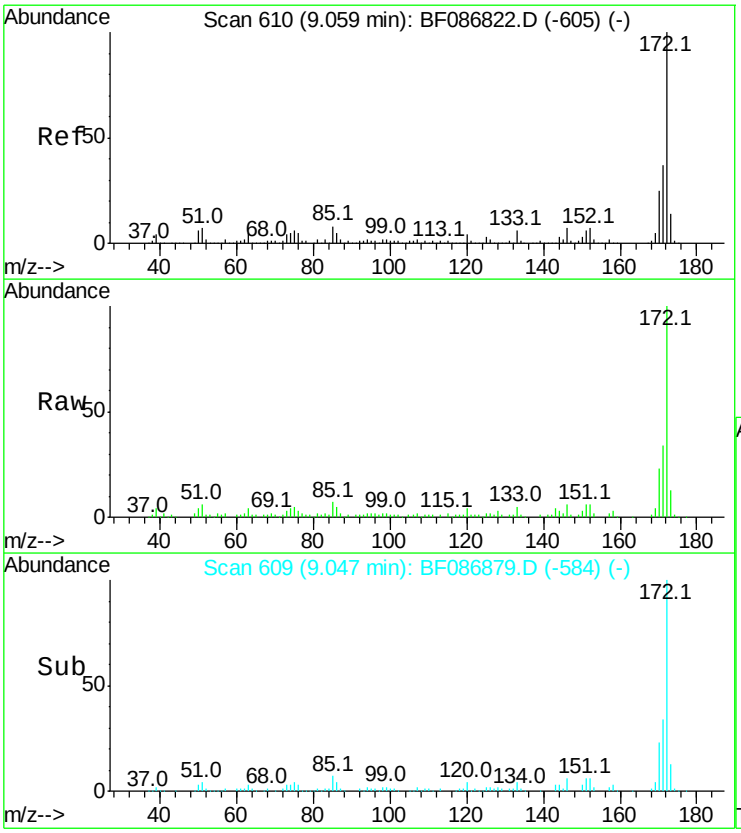
#41
2,4,6-Tribromophenol
Concen: 3.09 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 8630

Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	68.2	31.2	46.8#

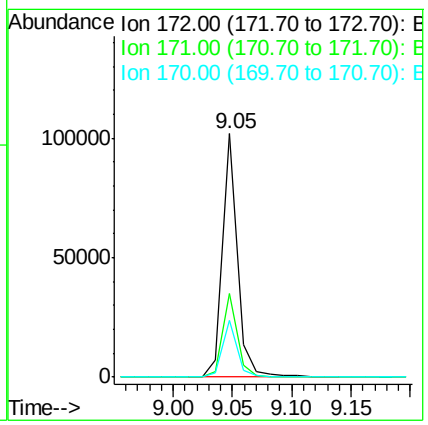


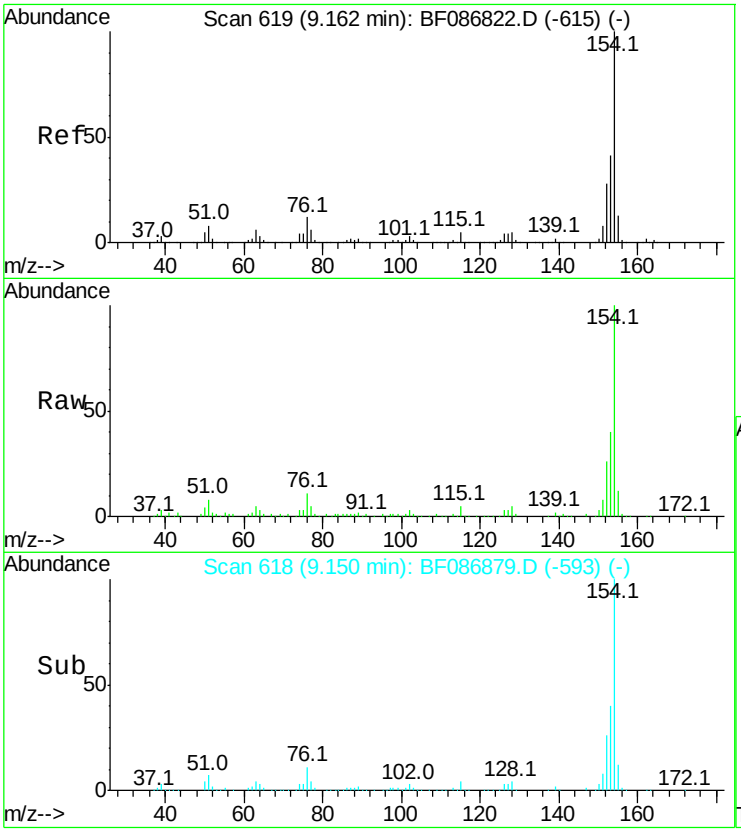


#44
2-Fluorobiphenyl
Concen: 5.61 ng
RT: 9.05 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:172 Resp: 88244

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.6
170	23.5	19.8	29.8

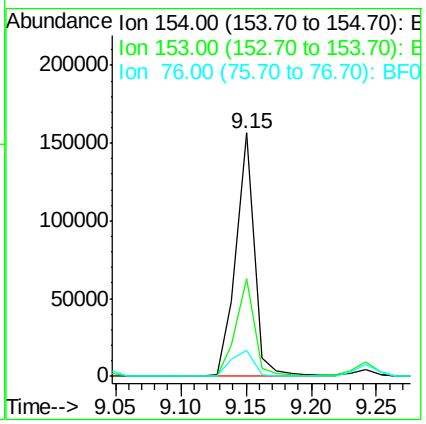




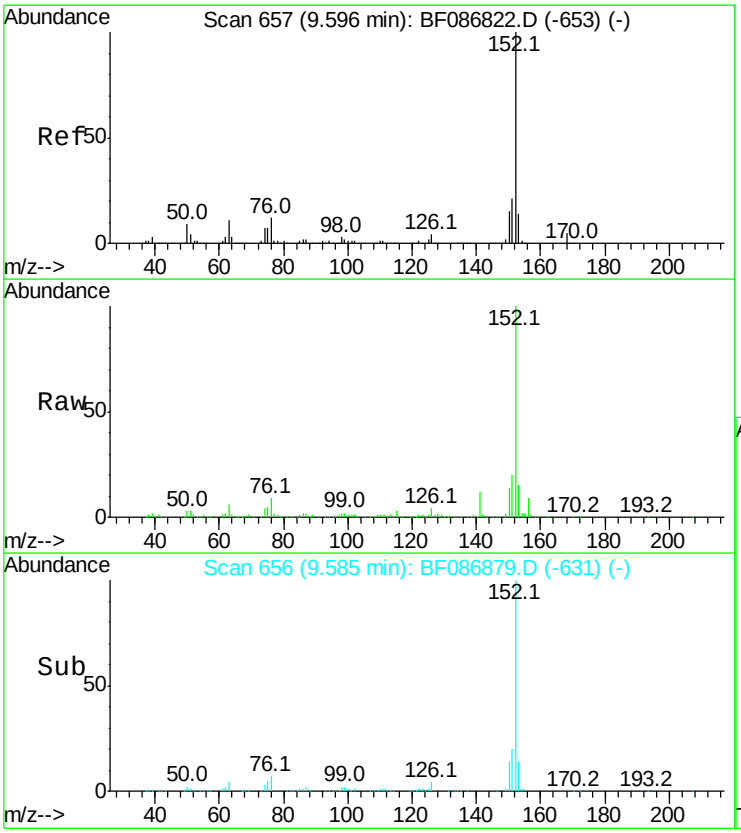
#45
1,1'-Biphenyl
Concen: 7.39 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:154 Resp: 155221

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	10.7	0.0	30.2



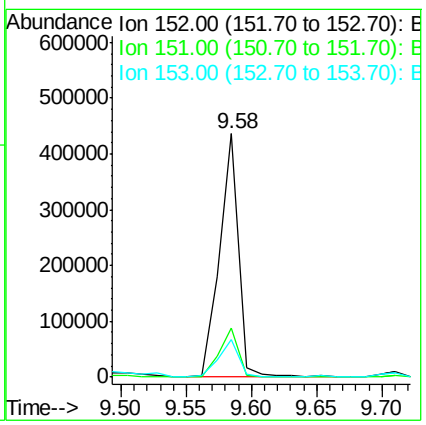
Instrument :
BNA_F
ClientSampleId :

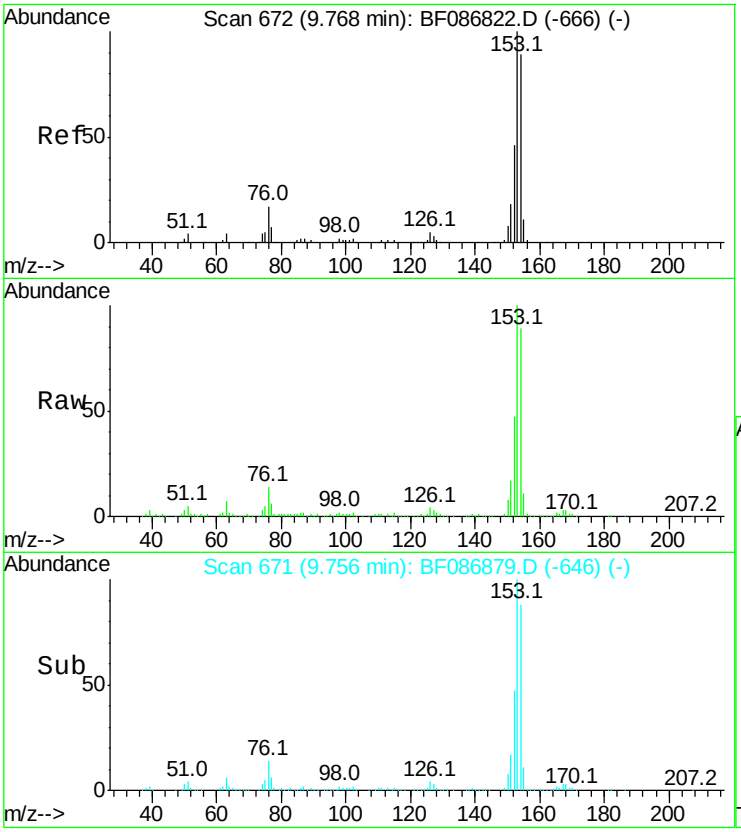


#48
Acenaphthylene
Concen: 18.37 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:152 Resp: 444950

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	15.3	10.9	16.3



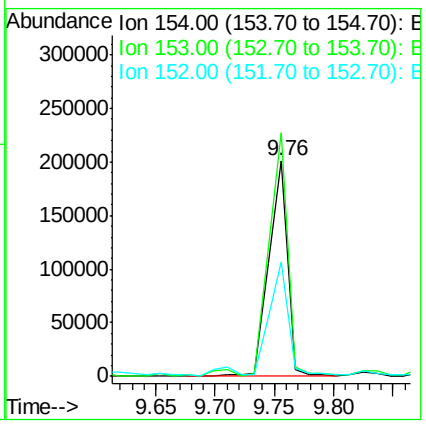


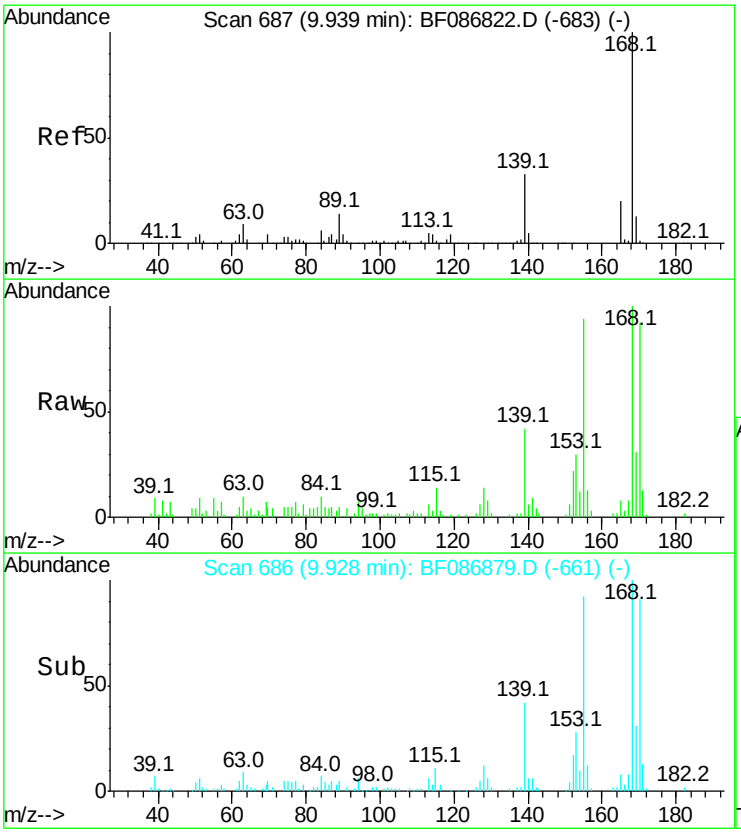
#51
Acenaphthene
Concen: 14.56 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 219363

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	52.7	43.4	65.0

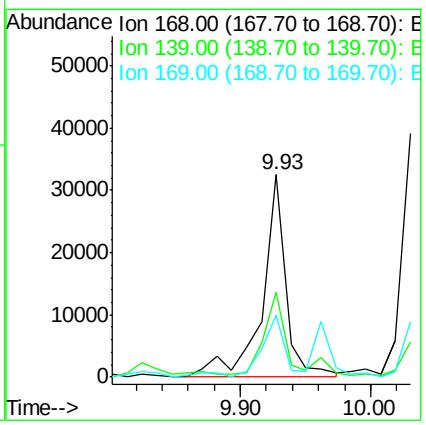


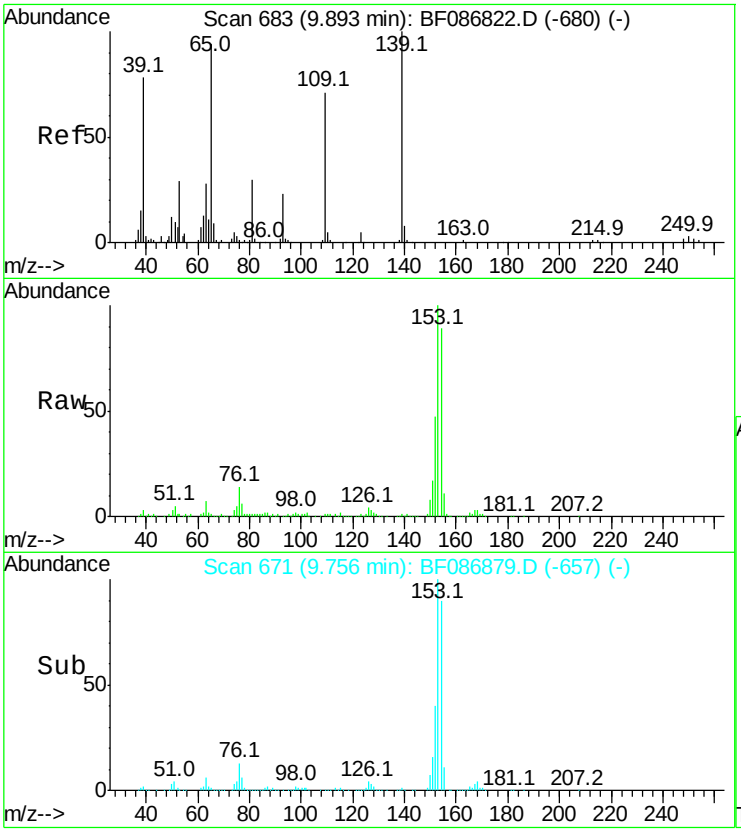


#54
Dibenzofuran
Concen: 2.15 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:168 Resp: 41488

Ion	Ratio	Lower	Upper
168	100		
139	41.8	31.4	47.0
169	30.7	10.7	16.1#



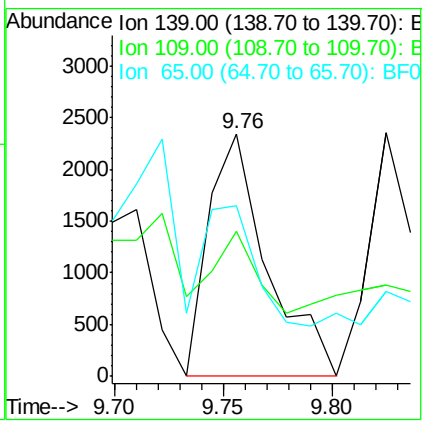


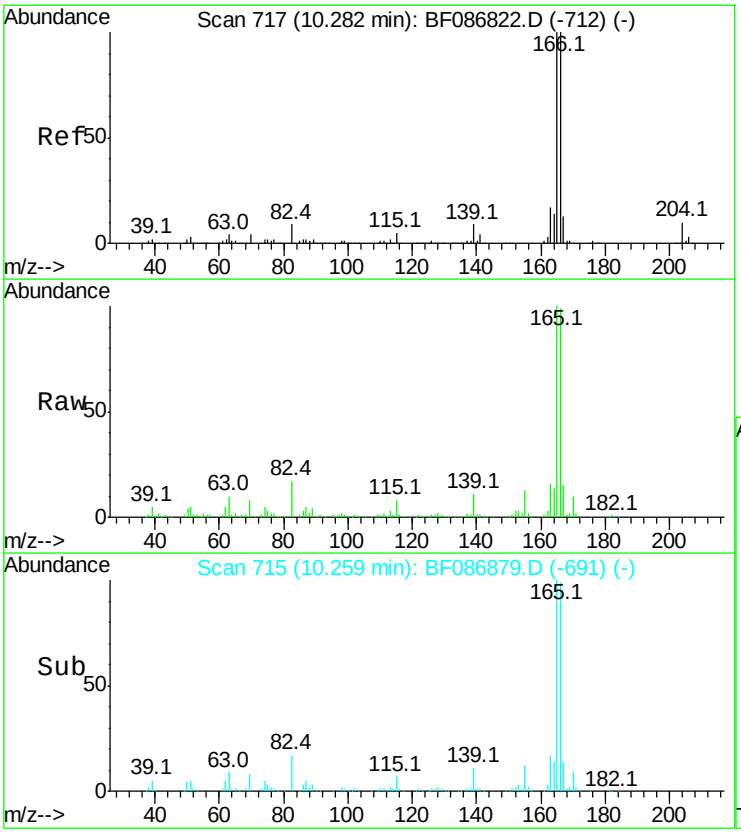
#55
4-Nitrophenol
Concen: 5.95 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.14 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 4401

Ion	Ratio	Lower	Upper
139	100		
109	59.8	36.9	76.9
65	70.5	64.0	104.0

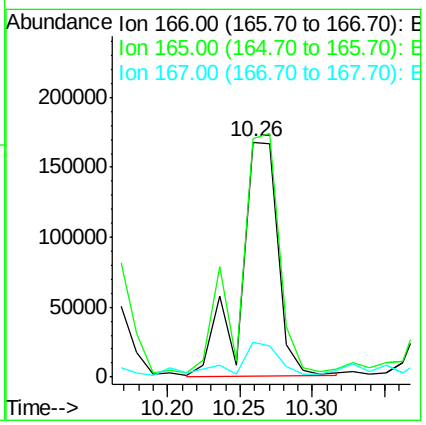


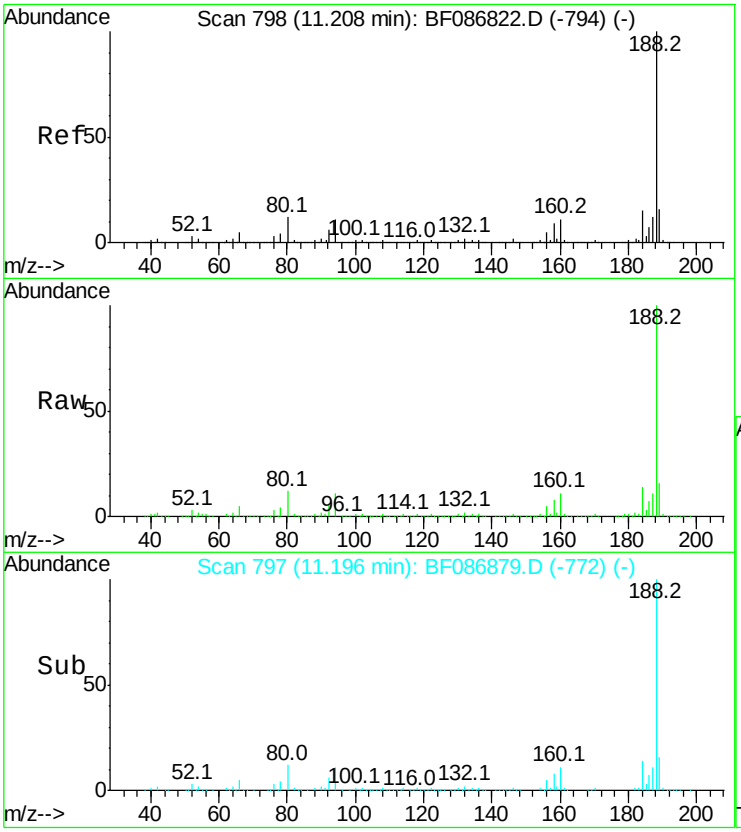


#57
Fluorene
Concen: 18.12 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:166 Resp: 298773

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.0	118.6
167	14.8	10.6	15.8



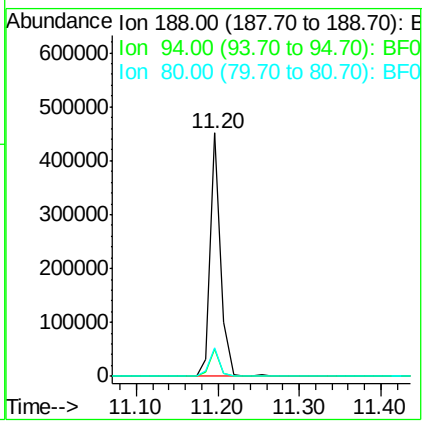


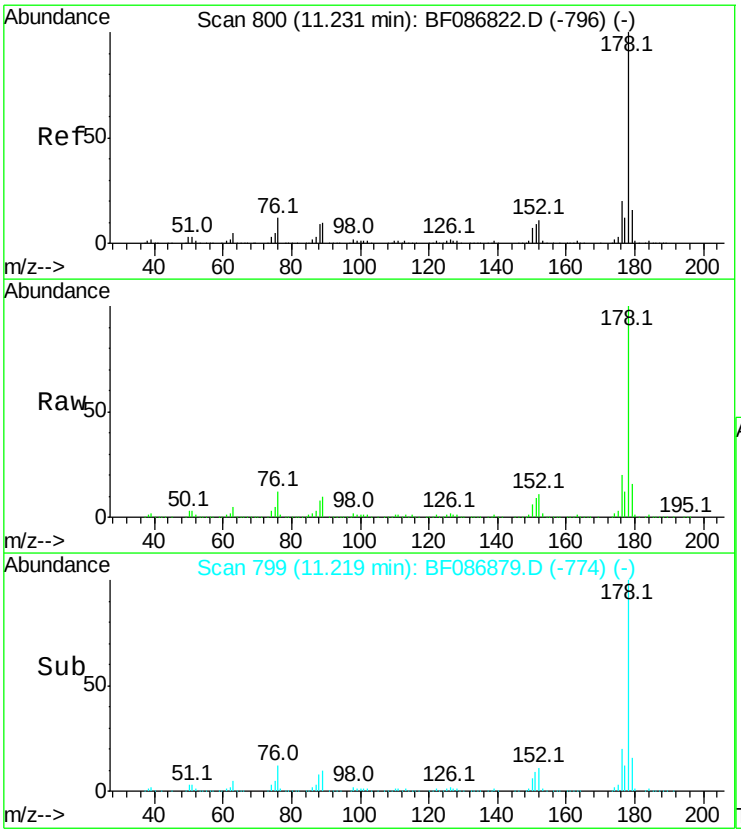
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 408868

Ion	Ratio	Lower	Upper
188	100		
94	11.0	6.8	10.2#
80	11.9	7.1	10.7#

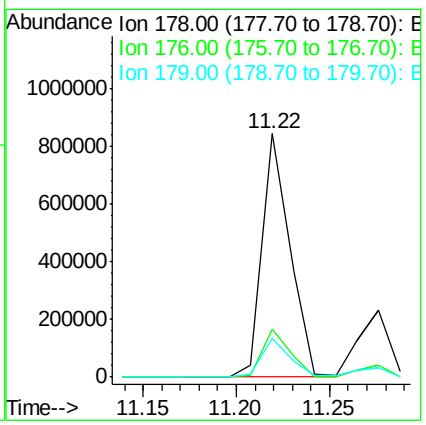


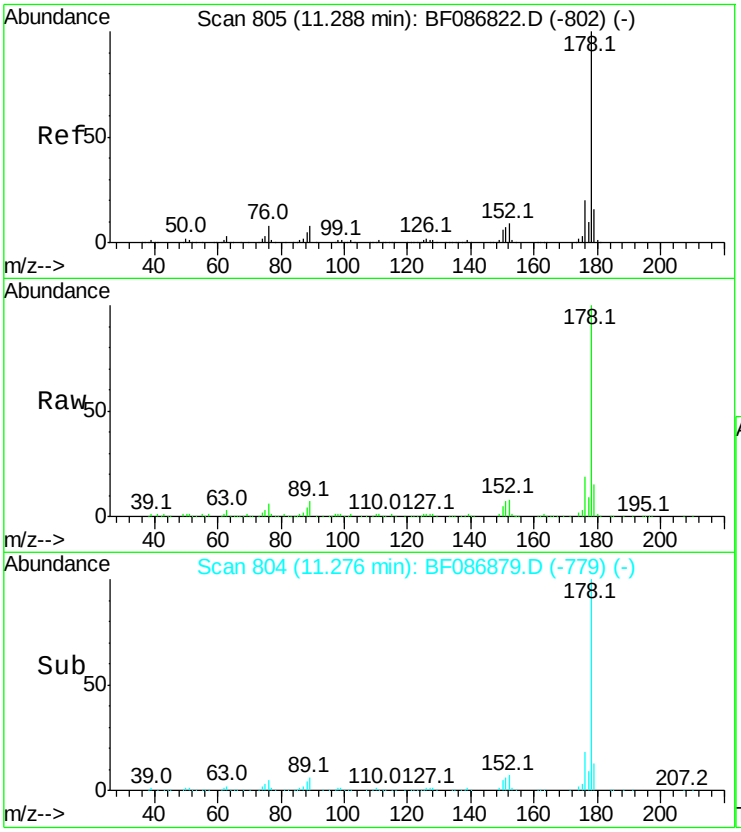


#70
Phenanthrene
Concen: 39.83 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:178 Resp: 869055

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.0	24.0
179	15.8	12.6	18.8

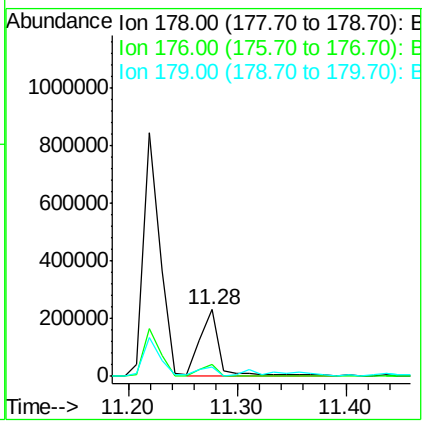




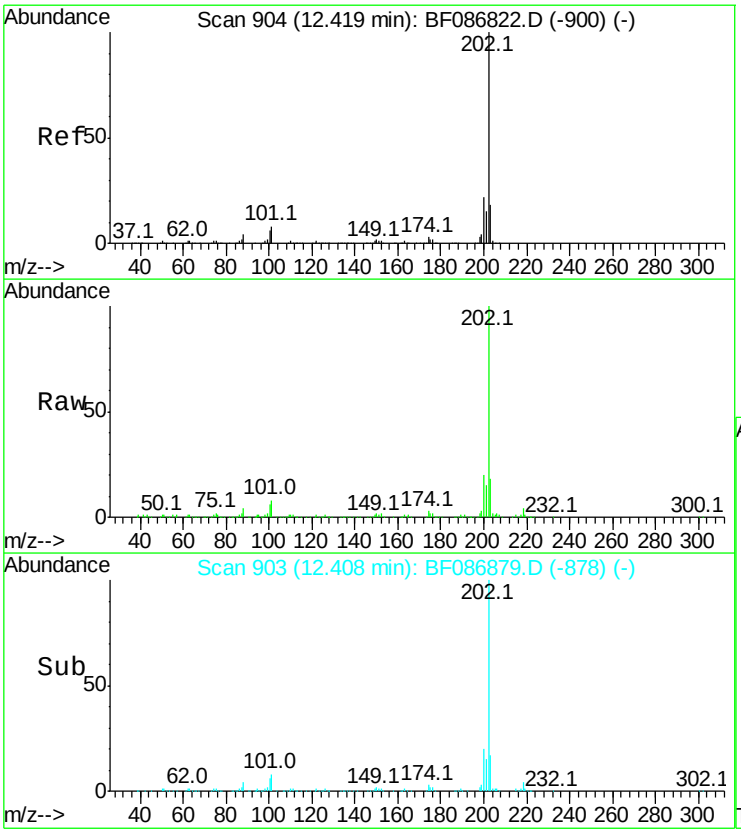
#71
Anthracene
Concen: 12.61 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:178 Resp: 281307

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	14.9	12.7	19.1



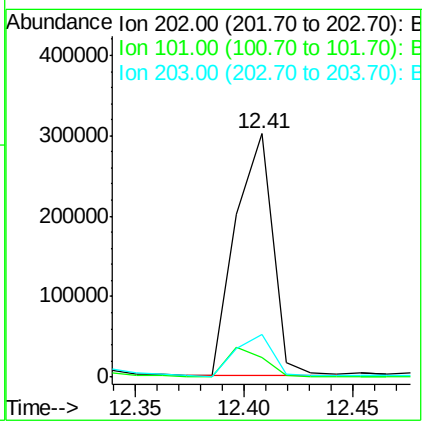
Instrument :
BNA_F
ClientSampleId :

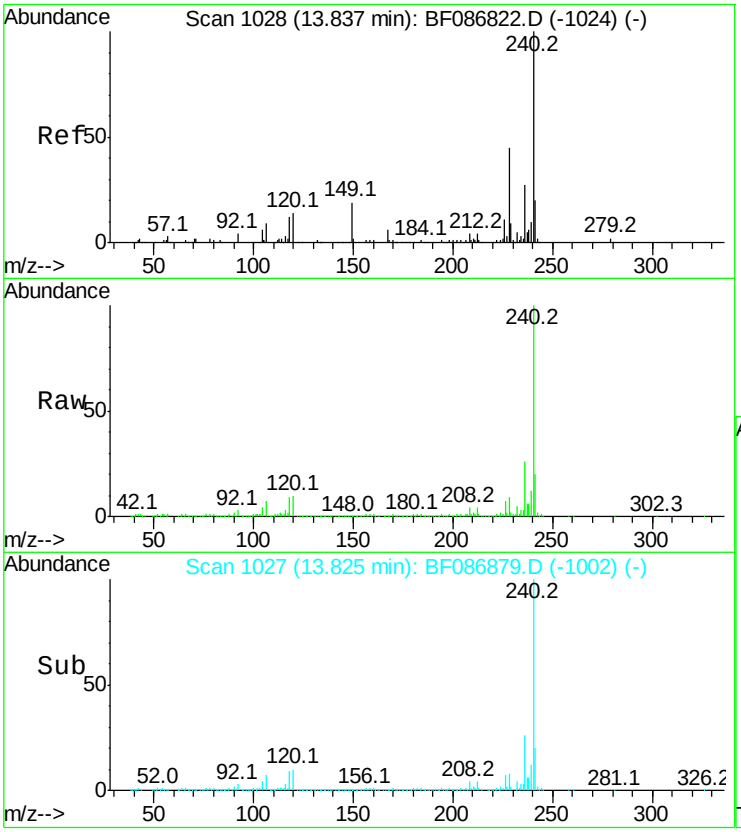


#74
Fluoranthene
Concen: 15.97 ng
RT: 12.41 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:202 Resp: 358417

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	35.4
203	17.5	0.0	38.1



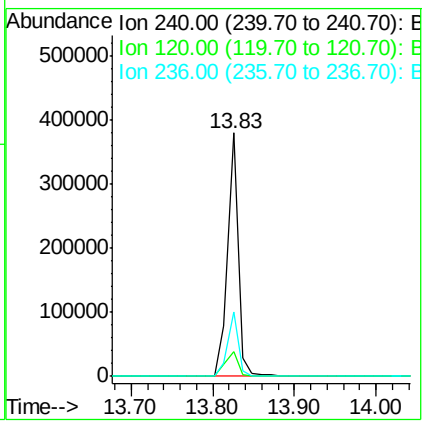


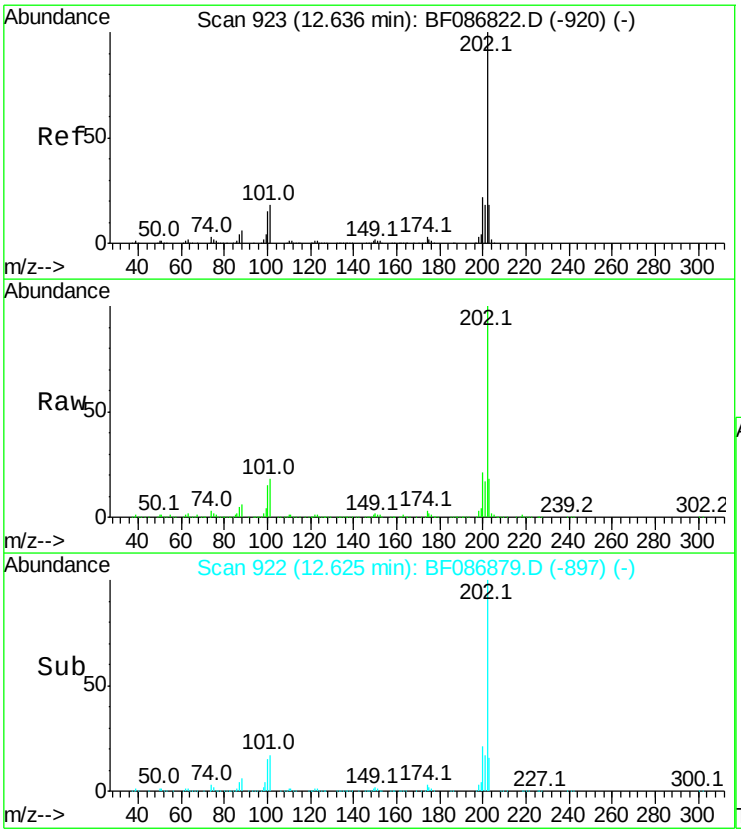
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 344604

Ion	Ratio	Lower	Upper
240	100		
120	10.3	11.2	16.8#
236	26.4	21.2	31.8

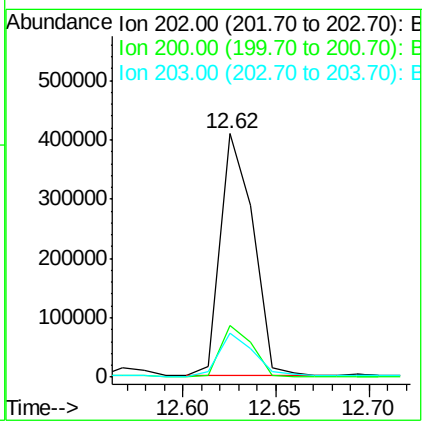


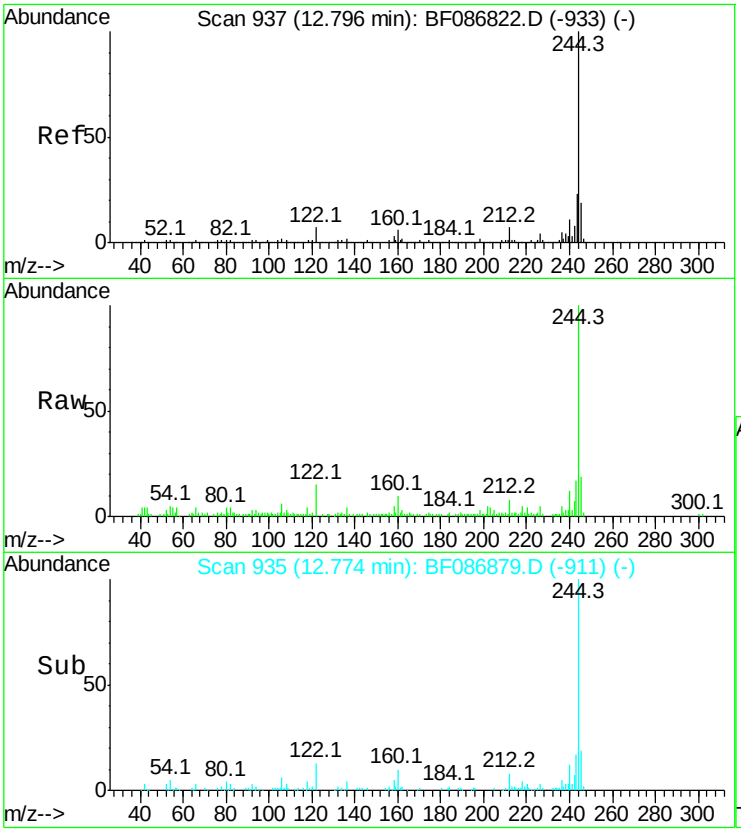


#77
Pyrene
Concen: 19.08 ng
RT: 12.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:202 Resp: 503277

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.3	14.2	21.4



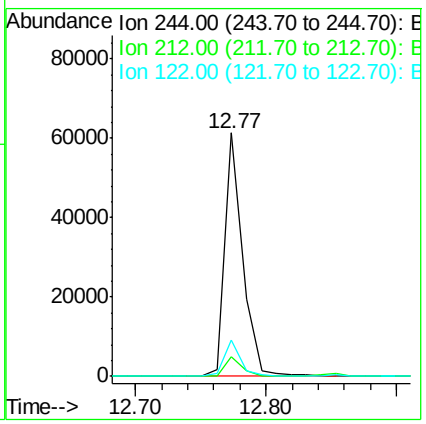


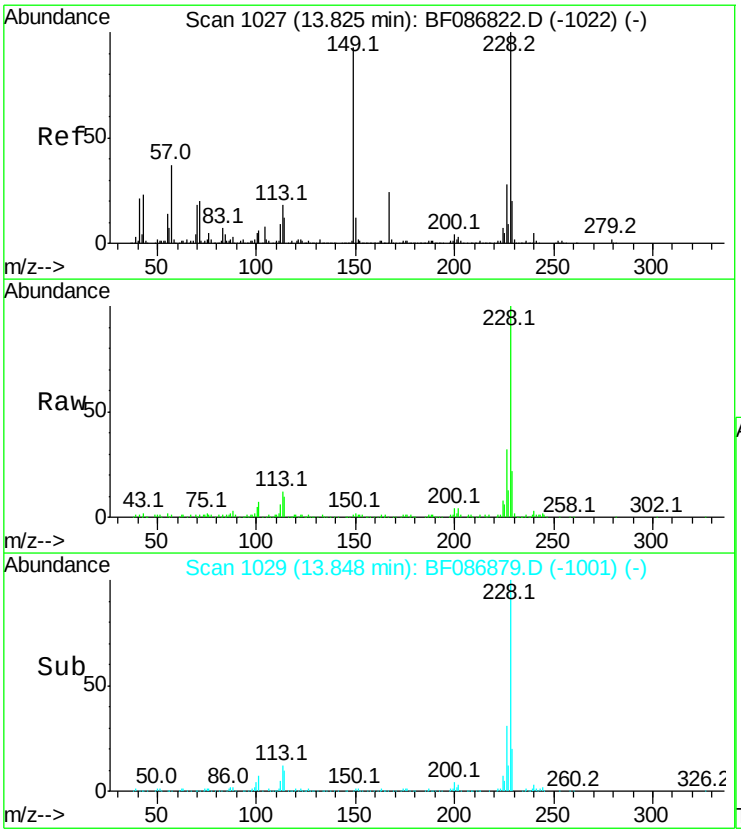
#78
Terphenyl-d14
Concen: 3.61 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 58579

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	15.1	12.0	18.0

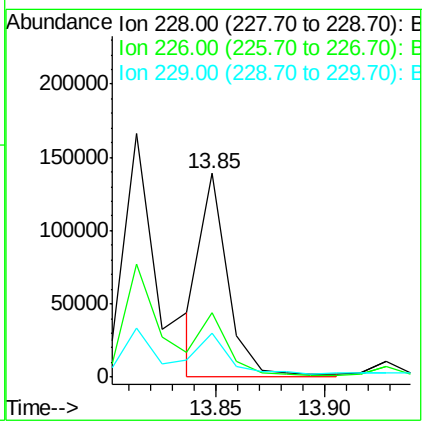


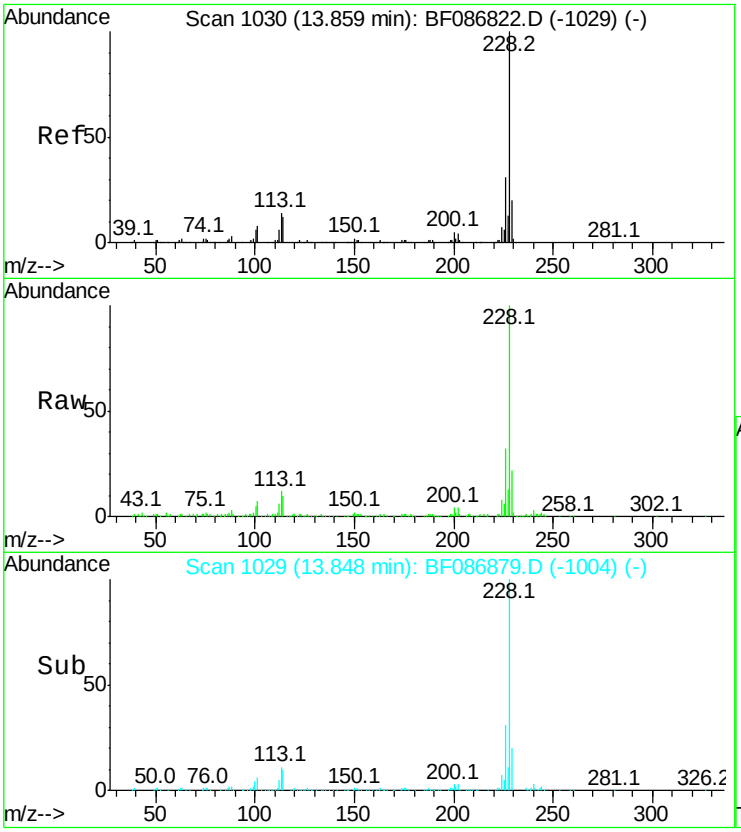


#80
Benzo(a)anthracene
Concen: 6.21 ng
RT: 13.85 min Scan# 1029
Delta R.T. 0.02 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:228 Resp: 120045

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.5	33.7
229	21.7	16.6	25.0



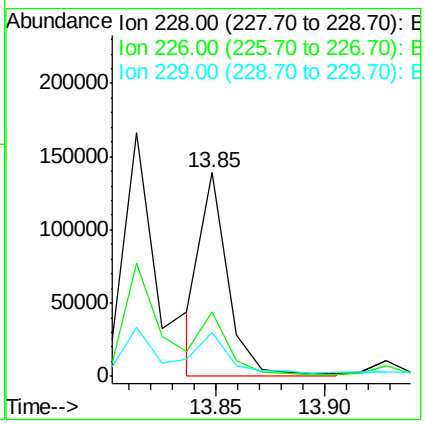


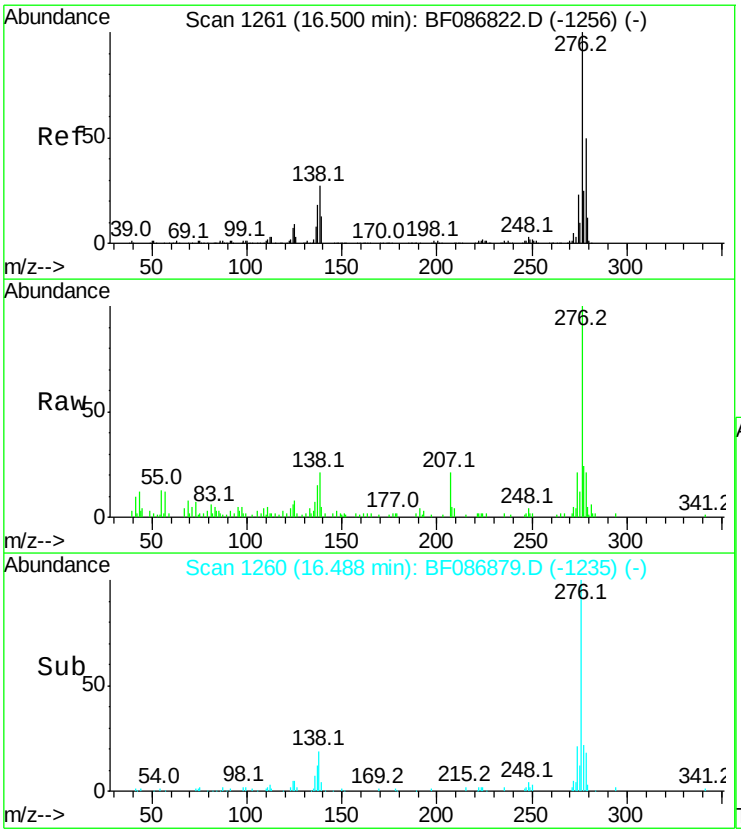
#82
Chrysene
Concen: 6.10 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 120045

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.4	36.6
229	21.7	15.8	23.8

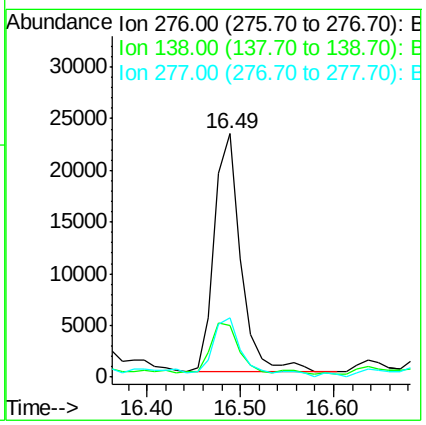


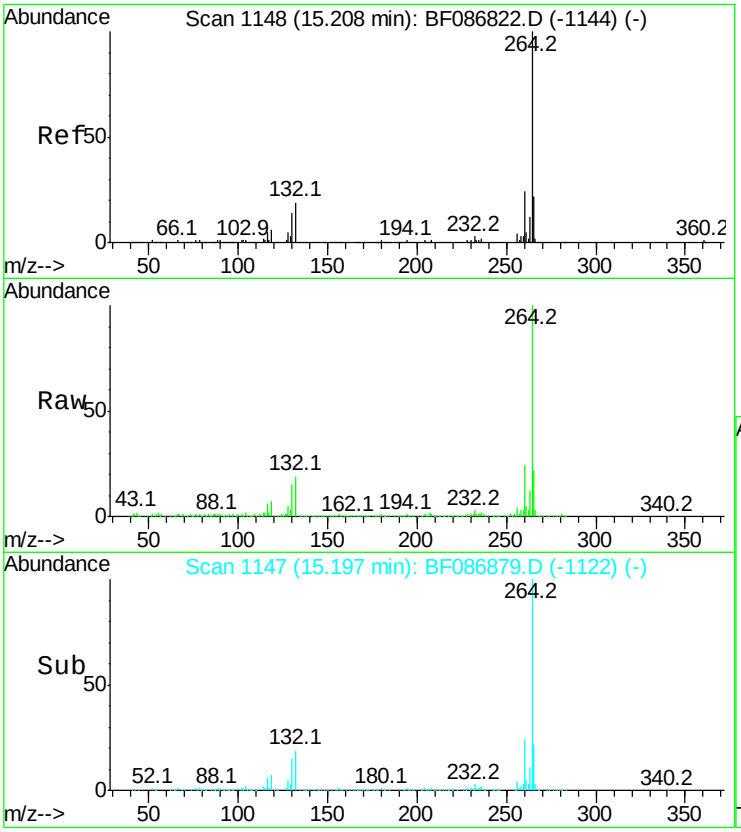


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.80 ng
RT: 16.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:276 Resp: 45819

Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.6	38.4#
277	21.8	20.5	30.7



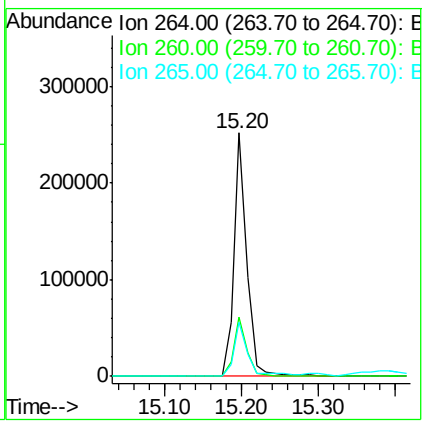


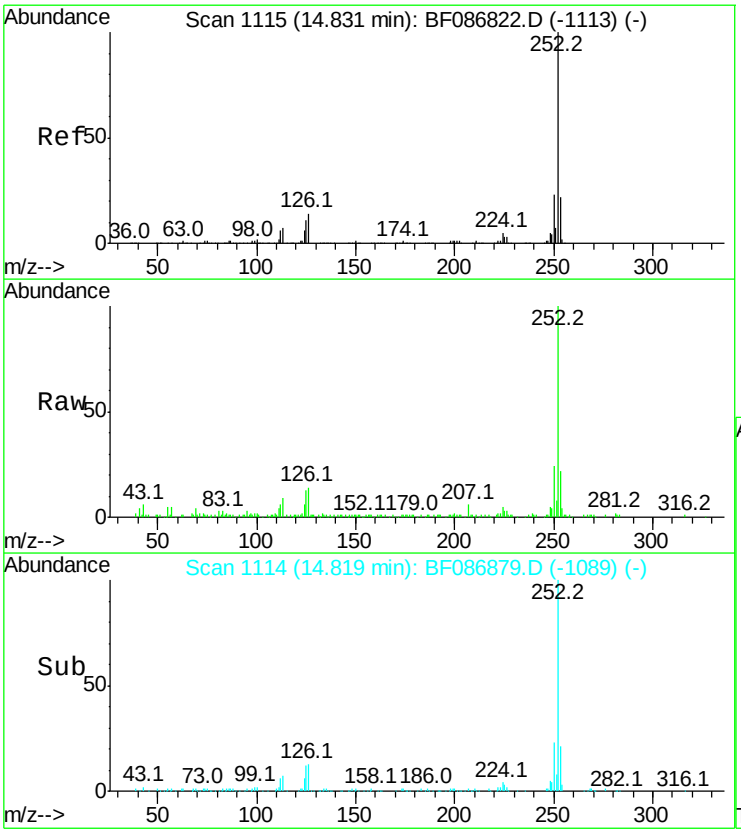
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 300172

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.2	17.3	25.9

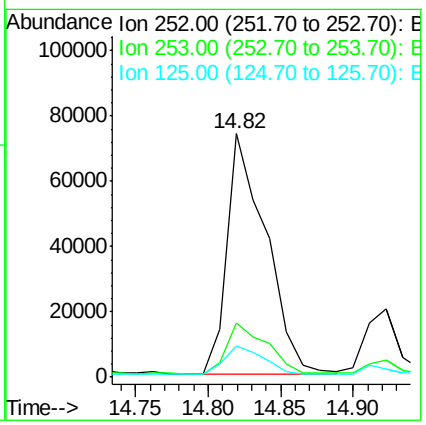


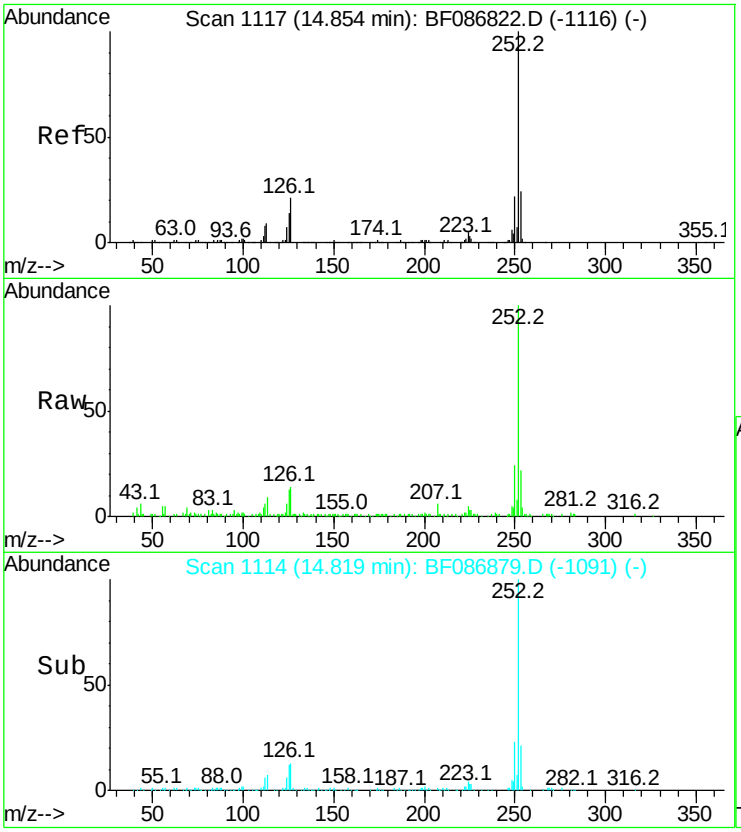


#87
Benzo(b)fluoranthene
Concen: 7.00 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:252 Resp: 136655

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.5	11.4	17.0



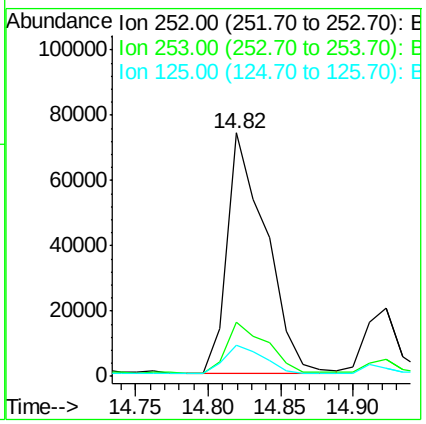


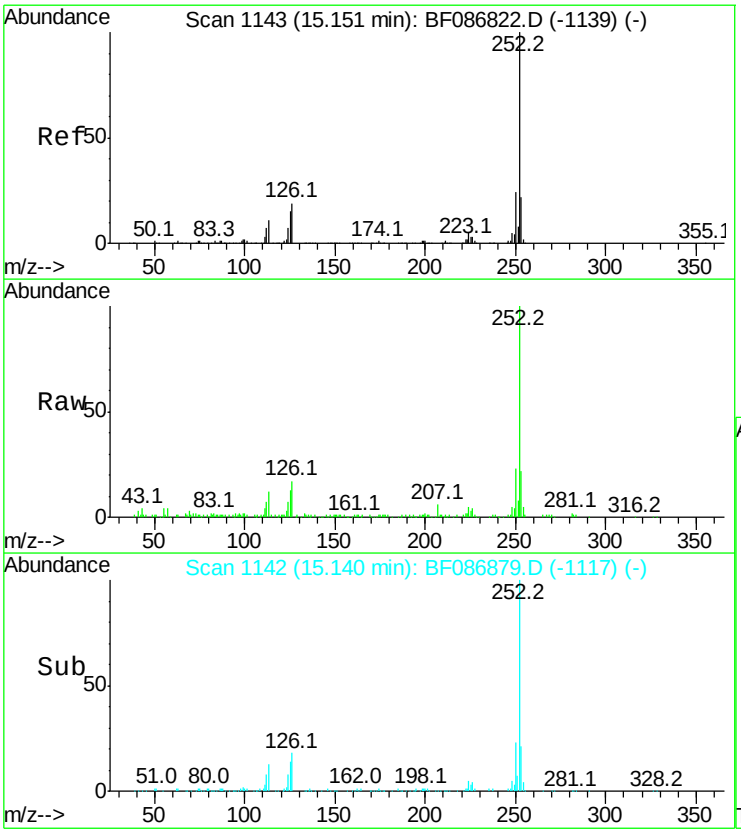
#88
Benzo(k)fluoranthene
Concen: 8.56 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.03 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 136655

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.5	9.1	13.7





#89
Benzo(a)pyrene
Concen: 6.90 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086879.D
Acq: 11 May 2016 4:14

Tgt Ion:252 Resp: 116128

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	13.4	9.0	13.6