Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
Data File : BF086892.D
Acq On : 11 May 2016 10:25
Operator : UM/SJ
Sample : H2762-04DL3 400X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 11 13:15:38 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	151641	20.00	ng		-0.01
21) Naphthalene-d8	7.97	136	588718	20.00	ng		-0.01
38) Acenaphthene-d10	9.72	164	242461	20.00	ng		-0.01
63) Phenanthrene-d10	11.20	188	385710	20.00	ng		-0.01
75) Chrysene-d12	13.83	240	330999	20.00	ng		-0.01
86) Perylene-d12	15.20	264	278620	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	21974	2.45	ng		0.00
7) Phenol-d6	6.36	99	29216	2.44	ng		0.00
23) Nitrobenzene-d5	7.25	82	21139	1.80	ng		-0.01
41) 2,4,6-Tribromophenol	10.51	330	3145	1.23	ng		-0.01
44) 2-Fluorobiphenyl	9.05	172	44485	3.08	ng		-0.01
78) Terphenyl-d14	12.77	244	28343	1.82	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	6.20	77	18921	2.73	ng	#	1
18) Hexachloroethane	7.22	117	23958	5.34	ng	#	14
31) Naphthalene	8.01	128	4226703	143.34	ng		97
32) Benzoic acid	8.01	122	11548	2.18	ng	#	1
33) 4-Chloroaniline	8.01	127	612626	53.47	ng	#	37
35) Caprolactam	8.68	113	11201	4.14	ng	#	1
37) 2-Methylnaphthalene	8.68	142	441969	25.64	ng		97
45) 1,1'-Biphenyl	9.15	154	75468	3.91	ng		99
48) Acenaphthylene	9.58	152	227753	10.25	ng		97
50) 2,6-Dinitrotoluene	9.72	165	37155	9.54	ng	#	21
51) Acenaphthene	9.76	154	110715	8.01	ng		98
55) 4-Nitrophenol	9.76	139	2110	5.29	ng		94
57) Fluorene	10.26	166	154432	10.20	ng		98
70) Phenanthrene	11.22	178	487220	23.67	ng		100
71) Anthracene	11.28	178	142799	6.78	ng		98
74) Fluoranthene	12.41	202	176062	8.32	ng		92
77) Pyrene	12.62	202	261480	10.32	ng		99
80) Benzo(a)anthracene	13.85	228	56997	3.07	ng		96
82) Chrysene	13.85	228	56997	3.02	ng		98
87) Benzo(b)fluoranthene	14.82	252	66356	3.66	ng		98
88) Benzo(k)fluoranthene	14.82	252	66356	4.48	ng	#	97
89) Benzo(a)pyrene	15.09	252	31705	2.03	ng		95

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

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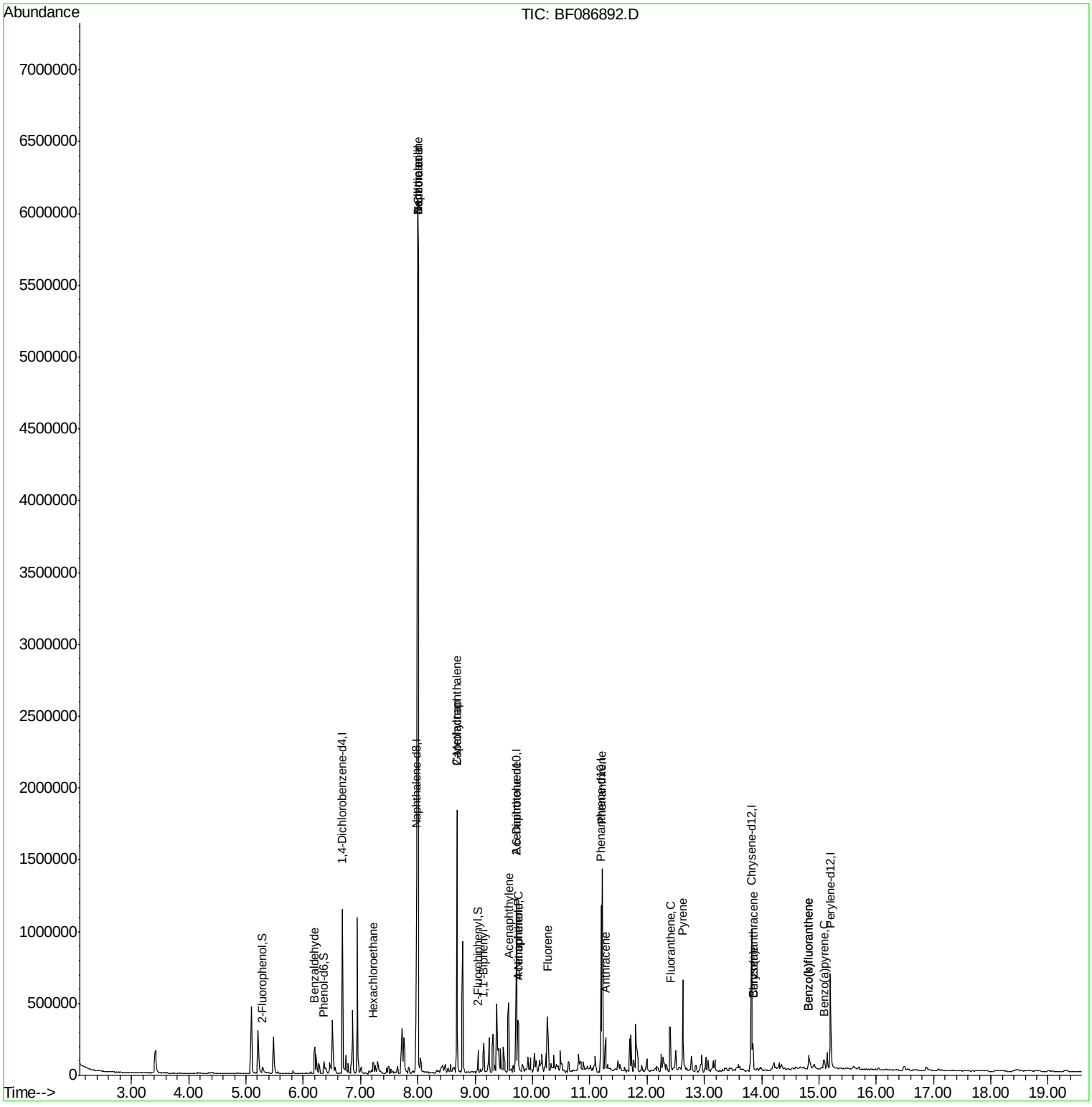
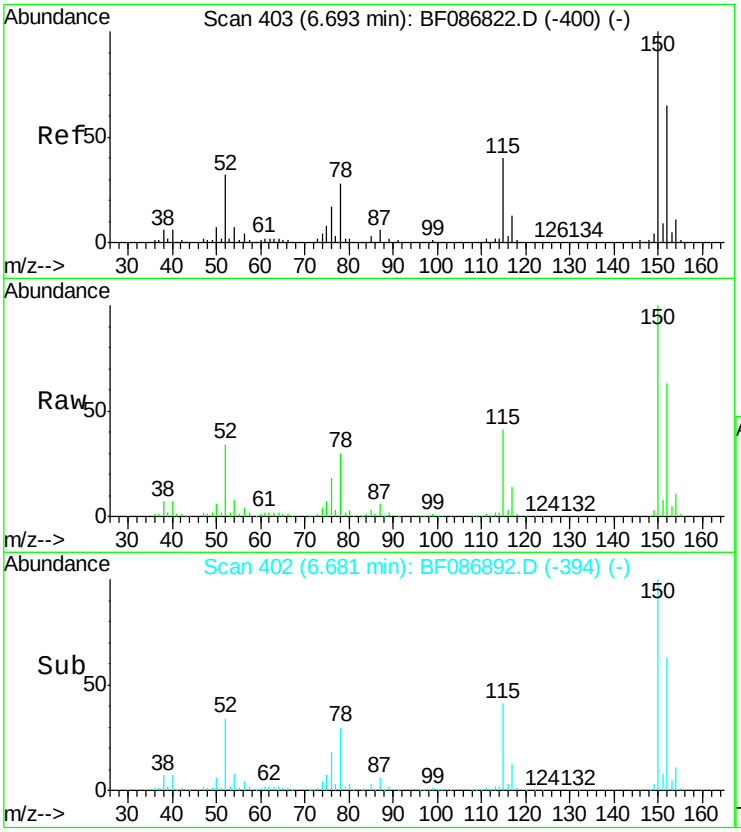


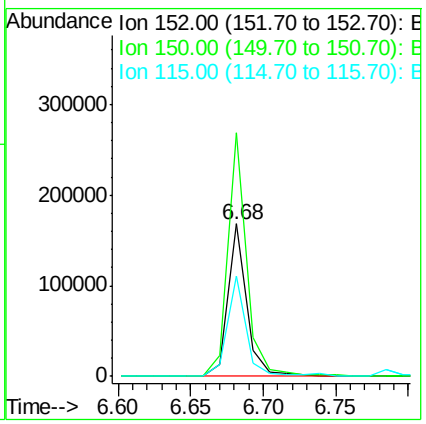


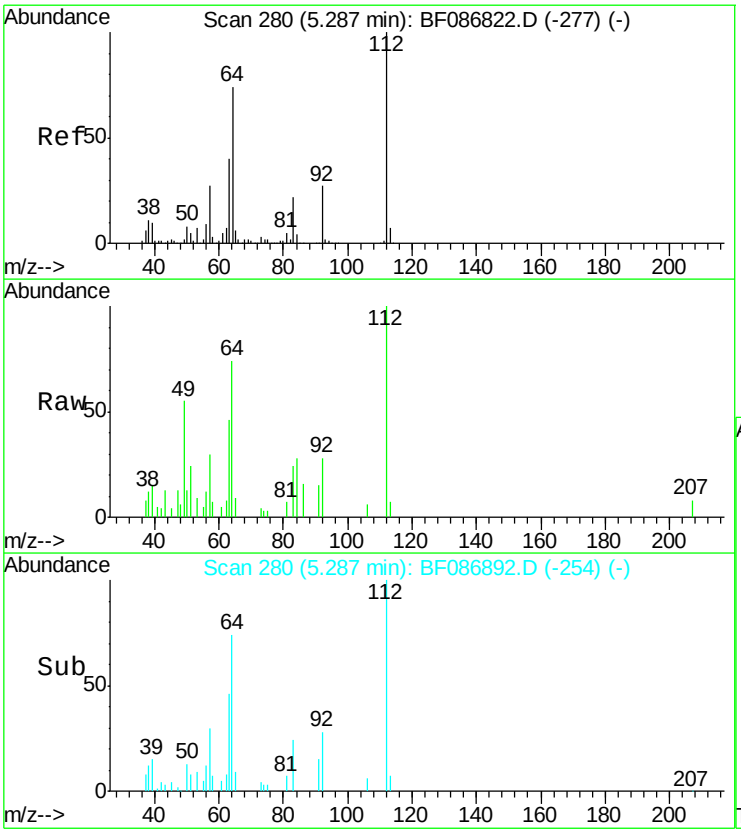
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 151641

Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.8	188.6
115	65.9	51.5	77.3

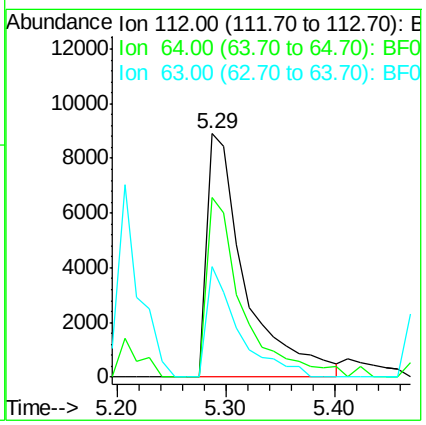


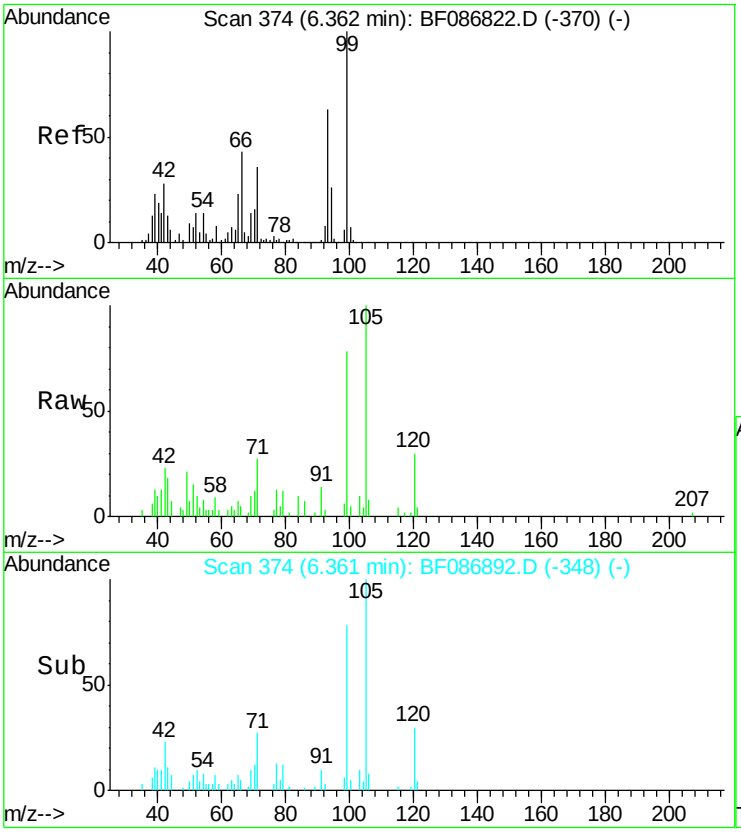


#5
2-Fluorophenol
Concen: 2.45 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:112 Resp: 21974

Ion	Ratio	Lower	Upper
112	100		
64	73.6	52.1	78.1
63	45.5	25.7	38.5#



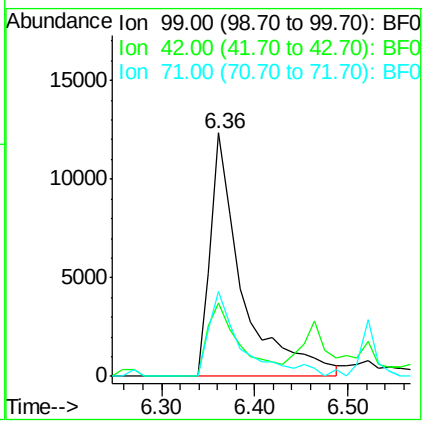


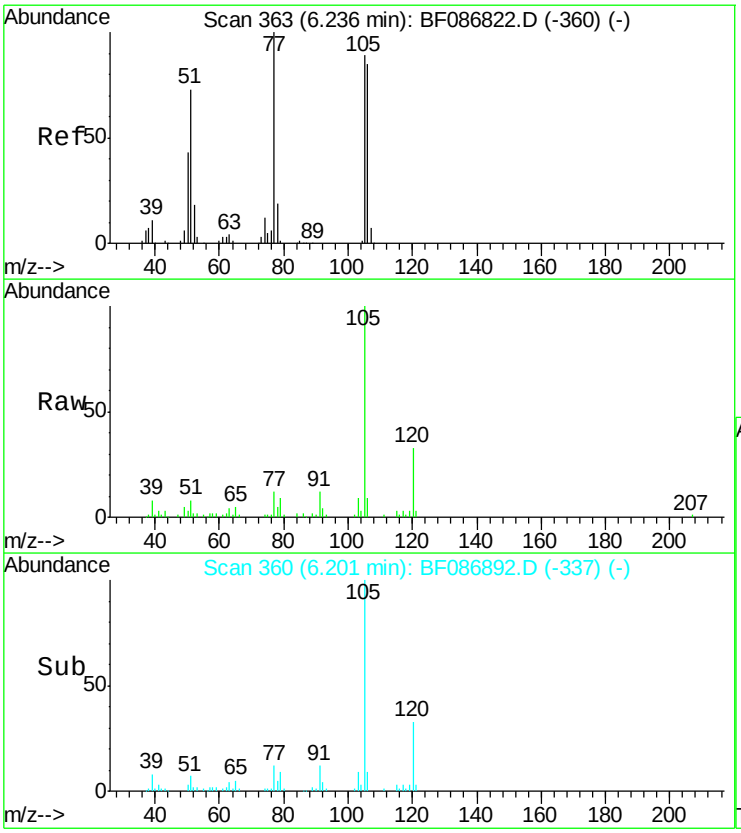
#7
Phenol-d6
Concen: 2.44 ng
RT: 6.36 min Scan# 374
Delta R.T. -0.00 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 29216

Ion	Ratio	Lower	Upper
99	100		
42	29.9	13.6	20.4#
71	35.0	24.6	36.8

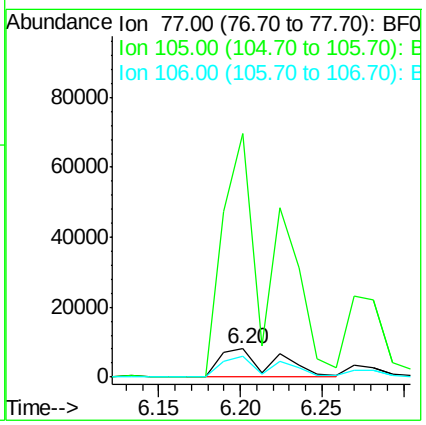


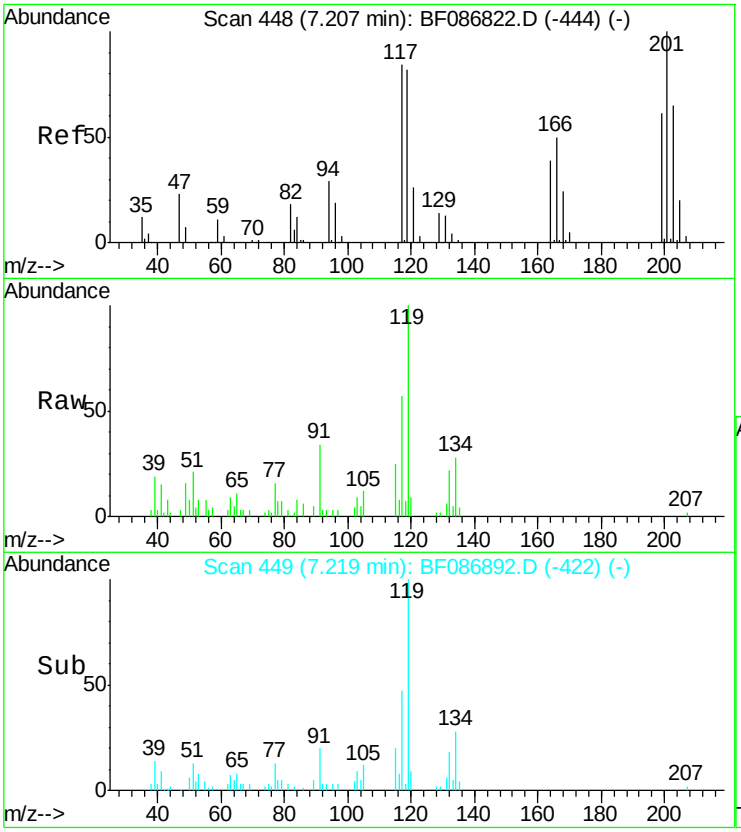


#9
Benzaldehyde
Concen: 2.73 ng
RT: 6.20 min Scan# 360
Delta R.T. -0.03 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion: 77 Resp: 18921

Ion	Ratio	Lower	Upper
77	100		
105	855.2	72.7	112.7#
106	73.8	70.8	110.8



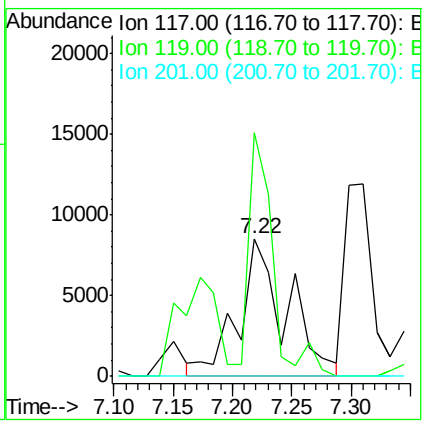


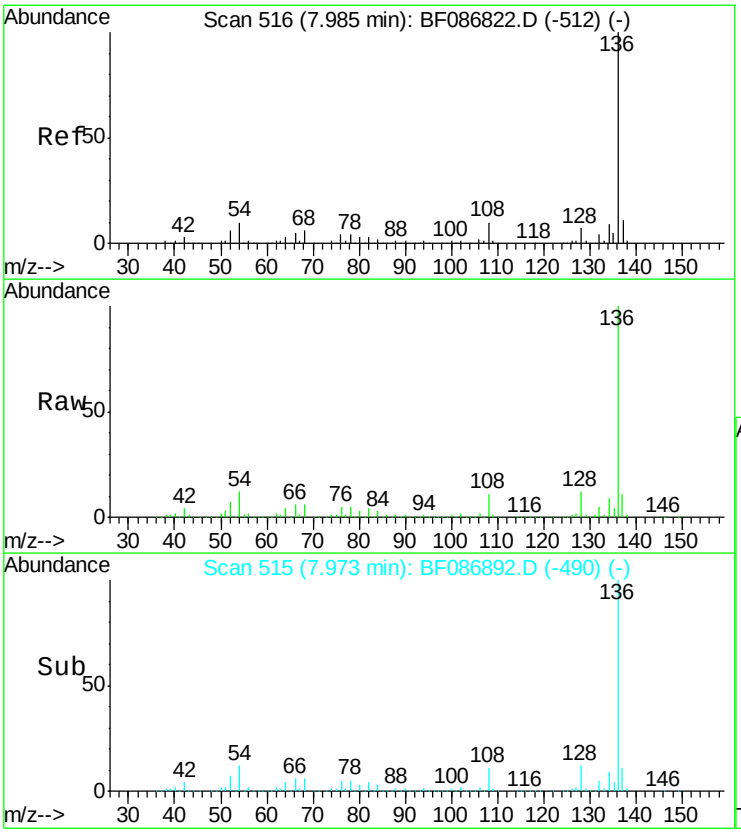
#18
Hexachloroethane
Concen: 5.34 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 23958

Ion	Ratio	Lower	Upper
117	100		
119	176.8	76.5	114.7#
201	0.0	63.0	94.6#

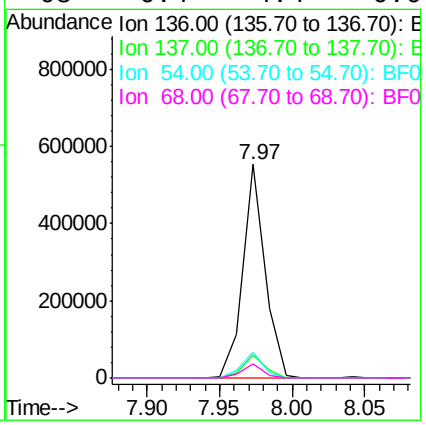


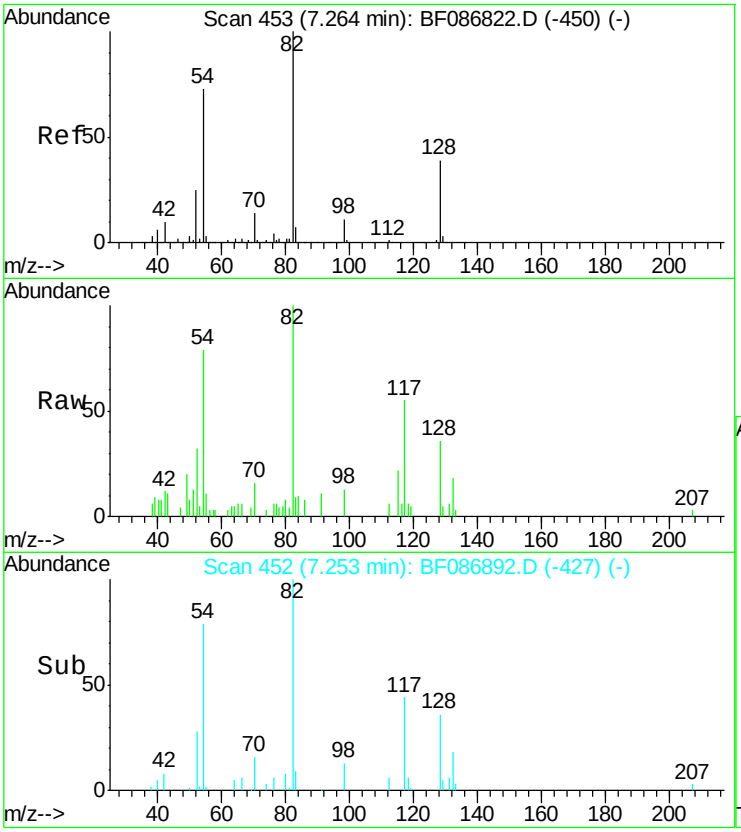


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:136 Resp: 588718

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	12.0	5.0	7.4#
68	6.4	4.4	6.6



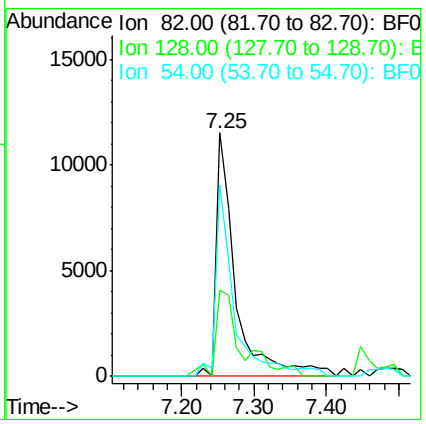


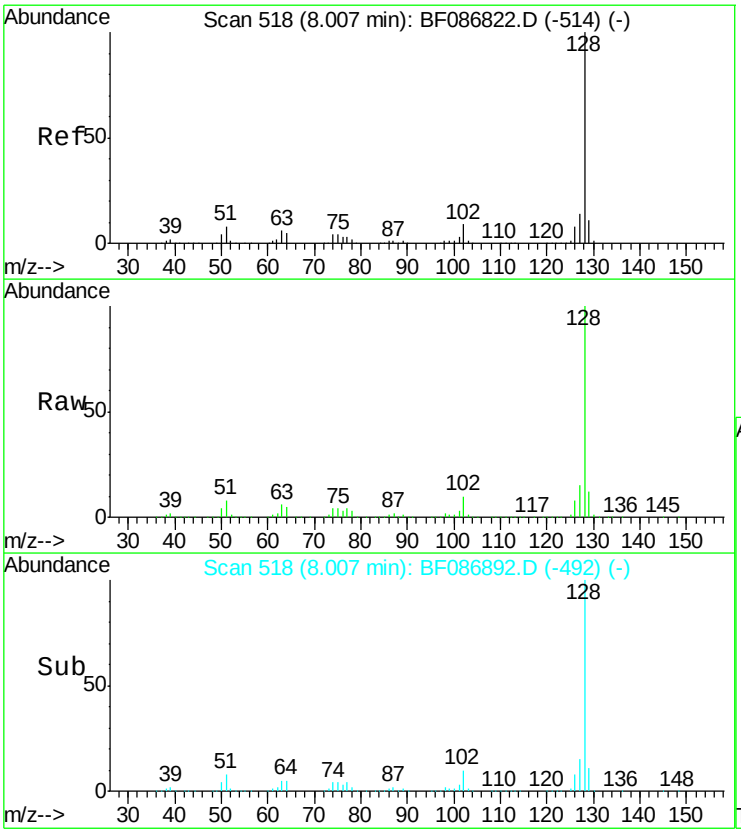
#23
Nitrobenzene-d5
Concen: 1.80 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 21139

Ion	Ratio	Lower	Upper
82	100		
128	35.6	40.6	61.0#
54	78.7	38.1	57.1#

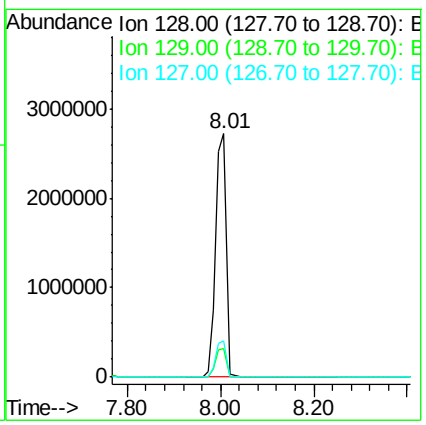


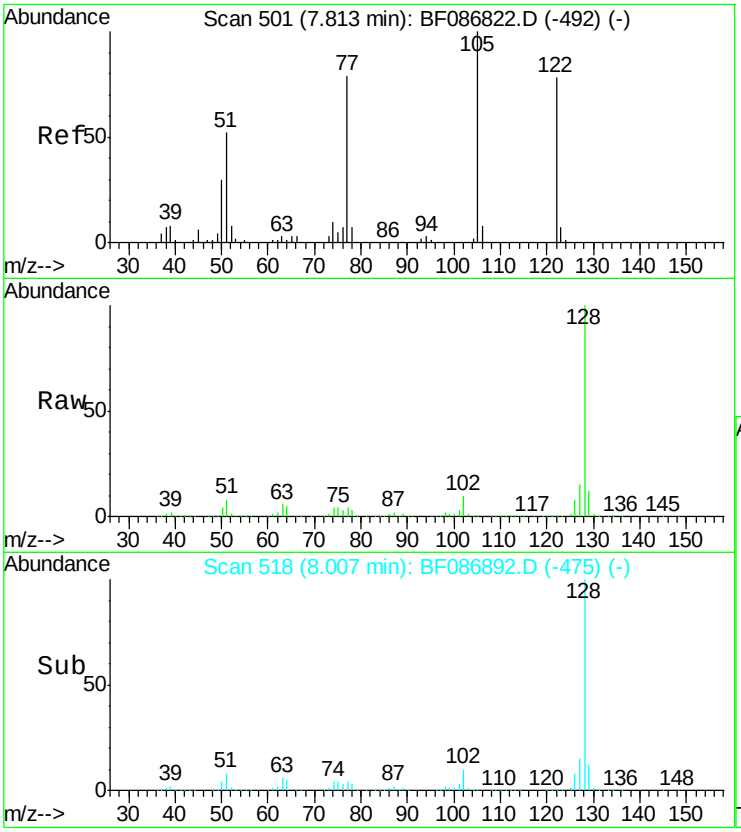


#31
Naphthalene
Concen: 143.34 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.00 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:128 Resp: 4226703

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	13.0
127	14.7	10.8	16.2



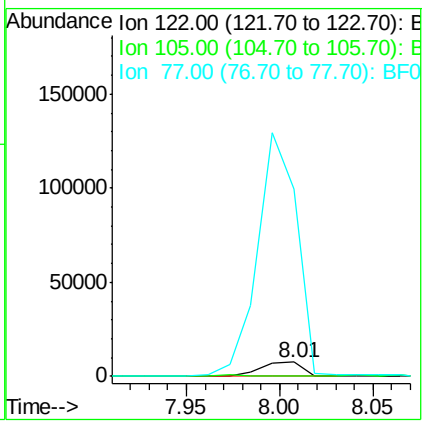


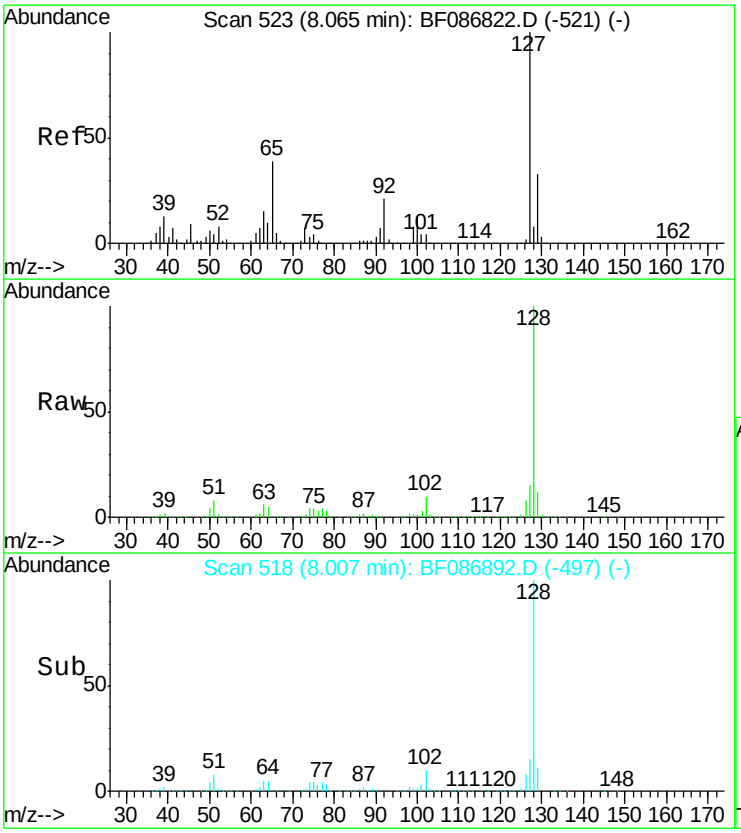
#32
Benzoic acid
Concen: 2.18 ng
RT: 8.01 min Scan# 518
Delta R.T. 0.19 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 11548

Ion	Ratio	Lower	Upper
122	100		
105	4.7	92.6	132.6#
77	1313.7	60.0	100.0#

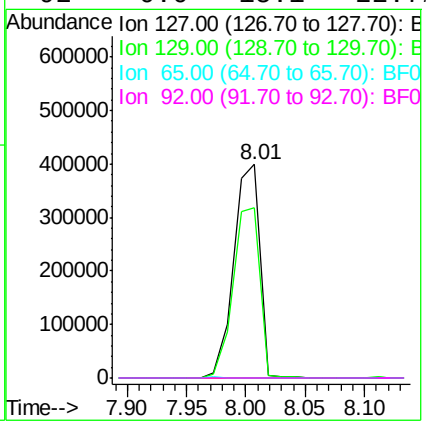


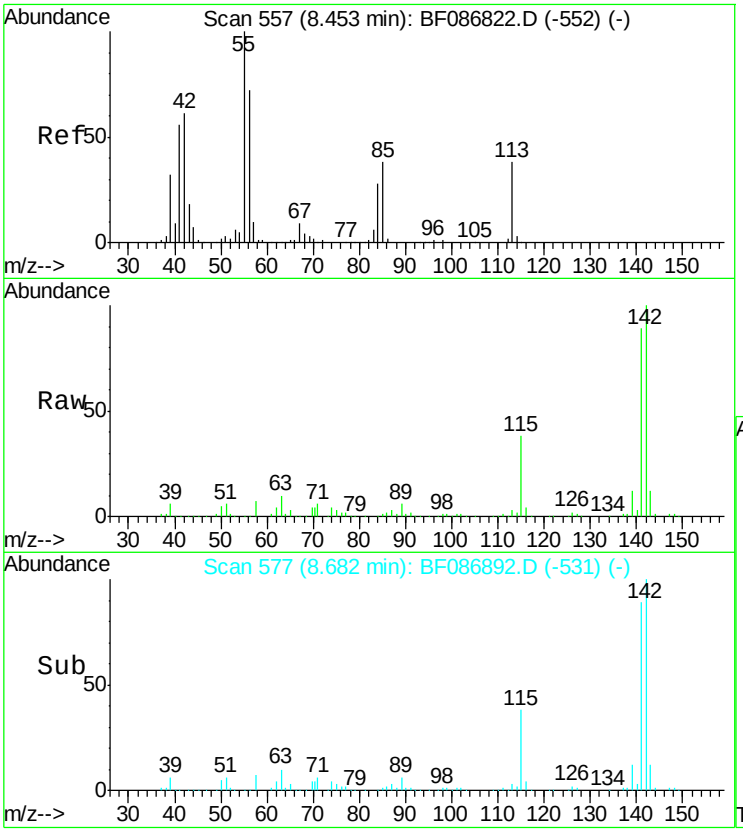


#33
4-Chloroaniline
Concen: 53.47 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:127 Resp: 612626

Ion	Ratio	Lower	Upper
127	100		
129	79.9	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



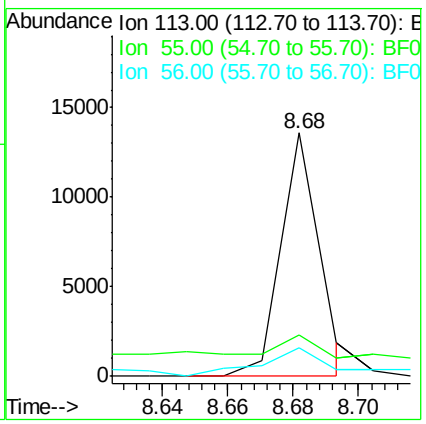


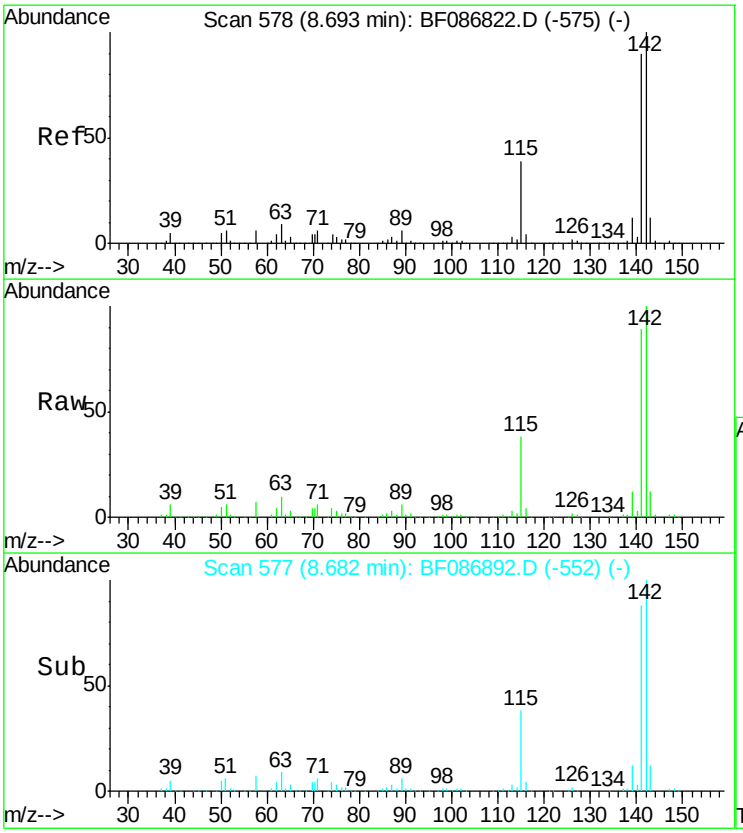
#35
Caprolactam
Concen: 4.14 ng
RT: 8.68 min Scan# 577
Delta R.T. 0.23 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 11201

Ion	Ratio	Lower	Upper
113	100		
55	16.9	162.0	202.0#
56	11.7	115.3	155.3#

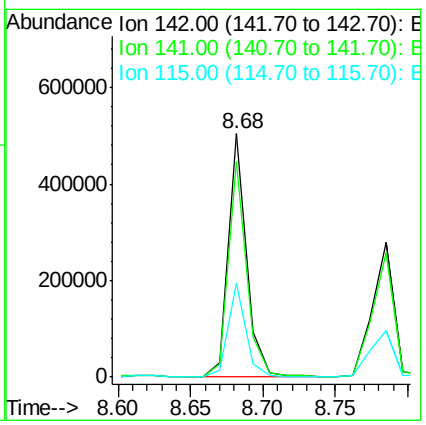


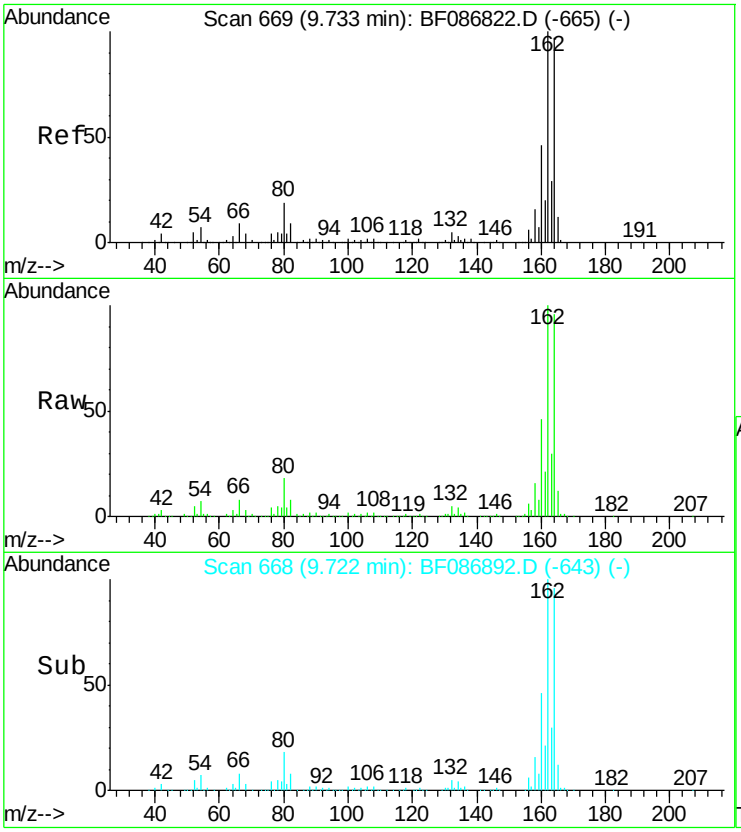


#37
2-Methylnaphthalene
Concen: 25.64 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:142 Resp: 441969

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.0	106.6
115	38.4	26.6	39.8



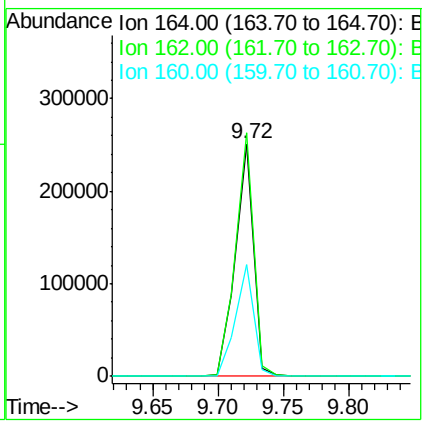


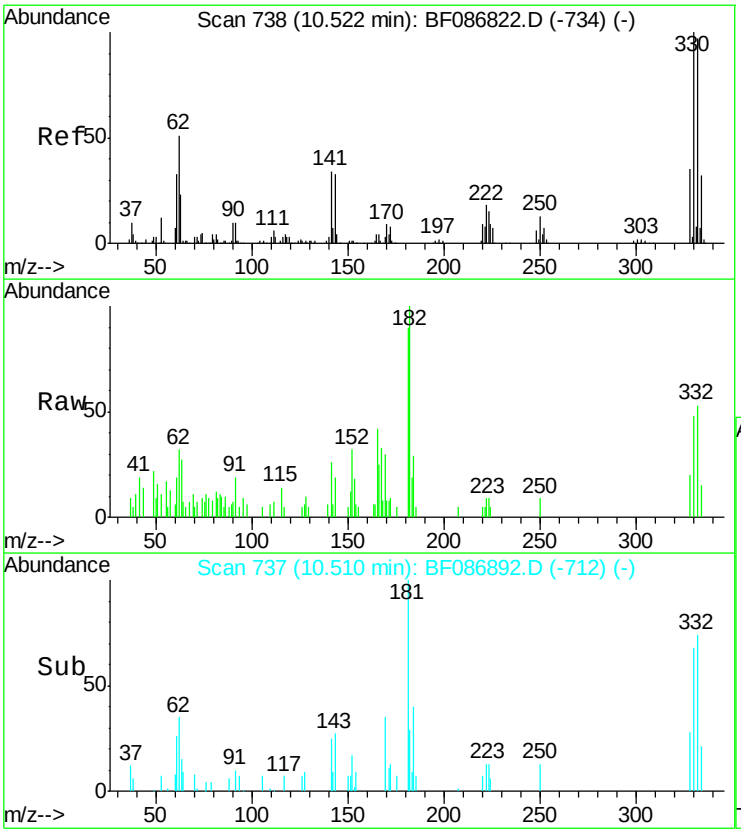
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 242461

Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.8	124.2
160	47.9	36.9	55.3

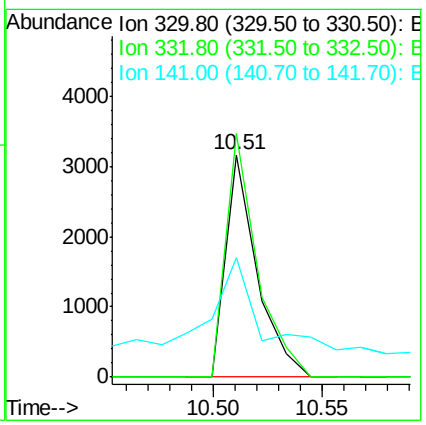


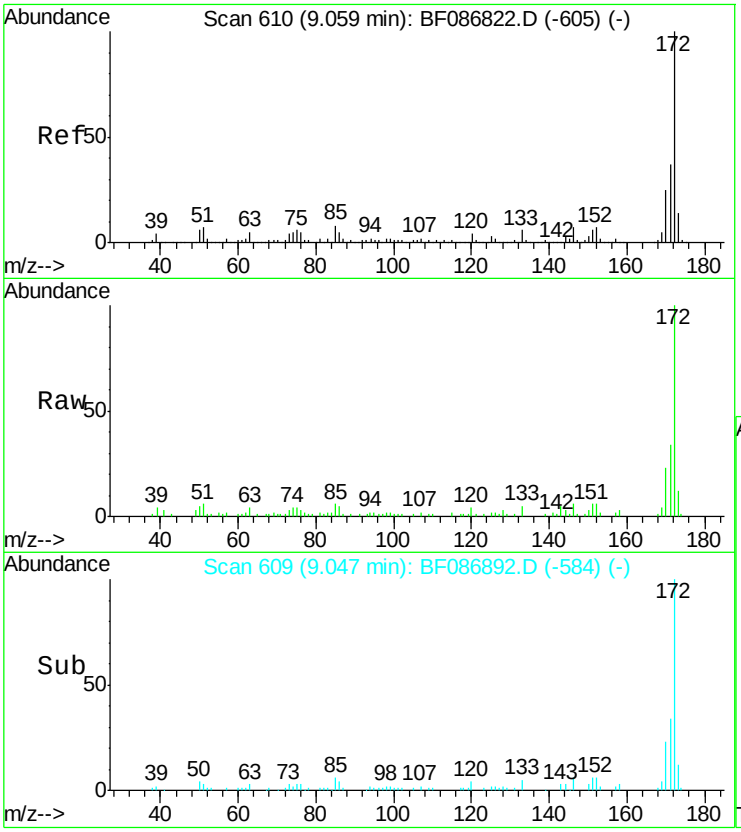


#41
2,4,6-Tribromophenol
Concen: 1.23 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:330 Resp: 3145

Ion	Ratio	Lower	Upper
330	100		
332	109.5	79.0	118.4
141	77.5	31.2	46.8#



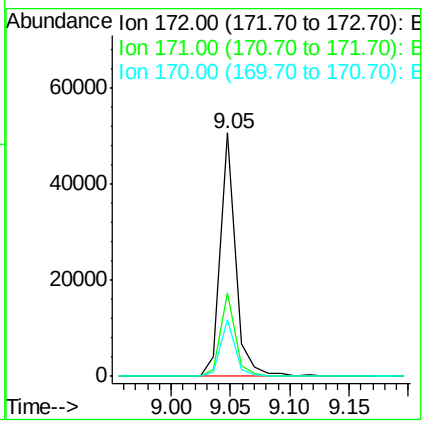


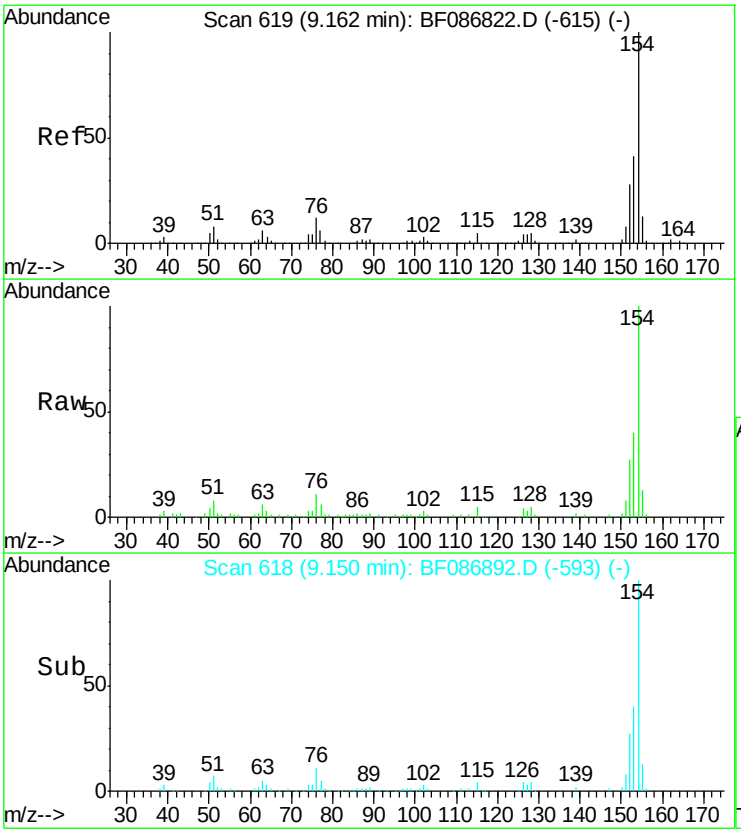
#44
2-Fluorobiphenyl
Concen: 3.08 ng
RT: 9.05 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 44485

Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.6
170	23.2	19.8	29.8

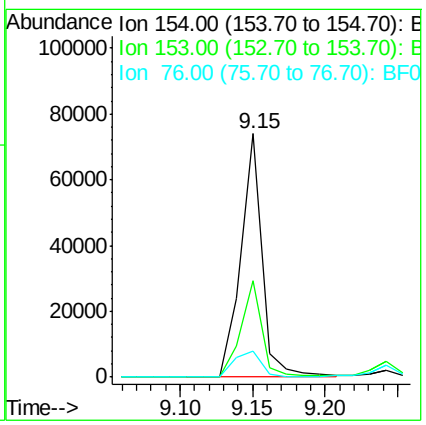


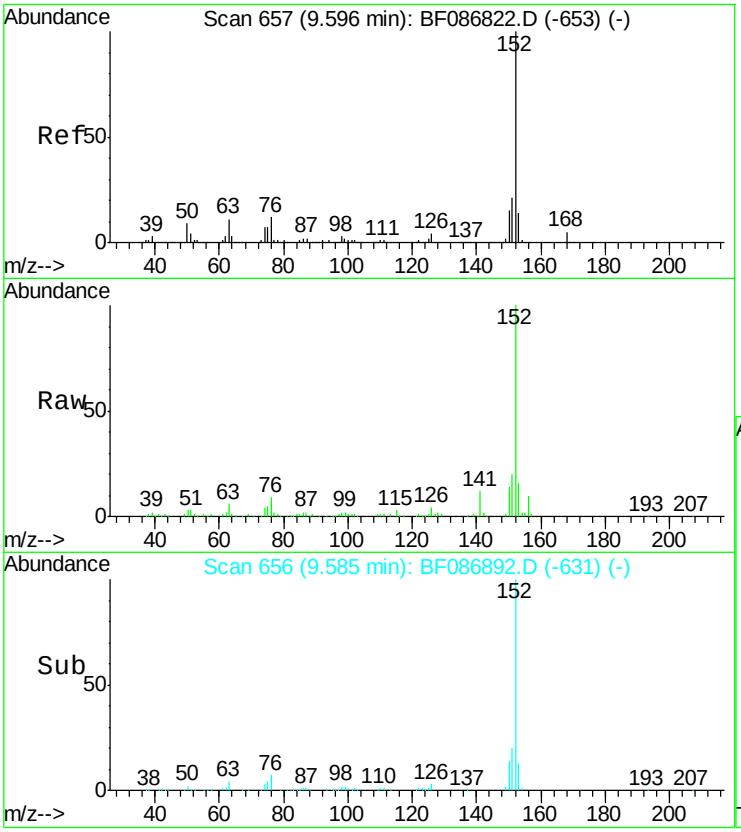


#45
1,1'-Biphenyl
Concen: 3.91 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:154 Resp: 75468

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	10.9	0.0	30.2



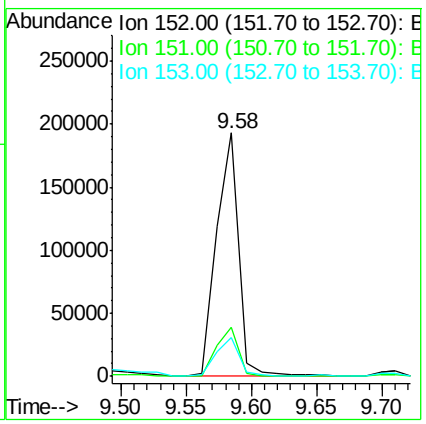


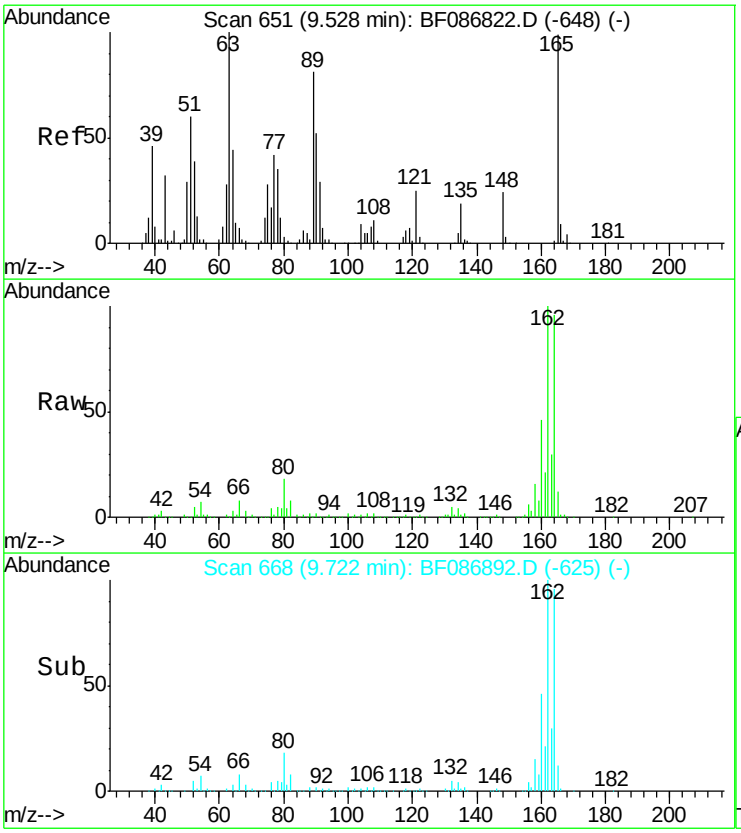
#48
Acenaphthylene
Concen: 10.25 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 227753

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	15.7	10.9	16.3

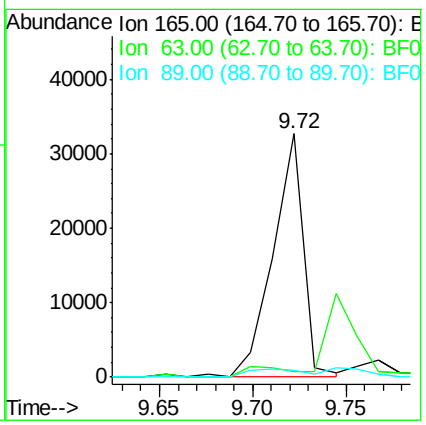


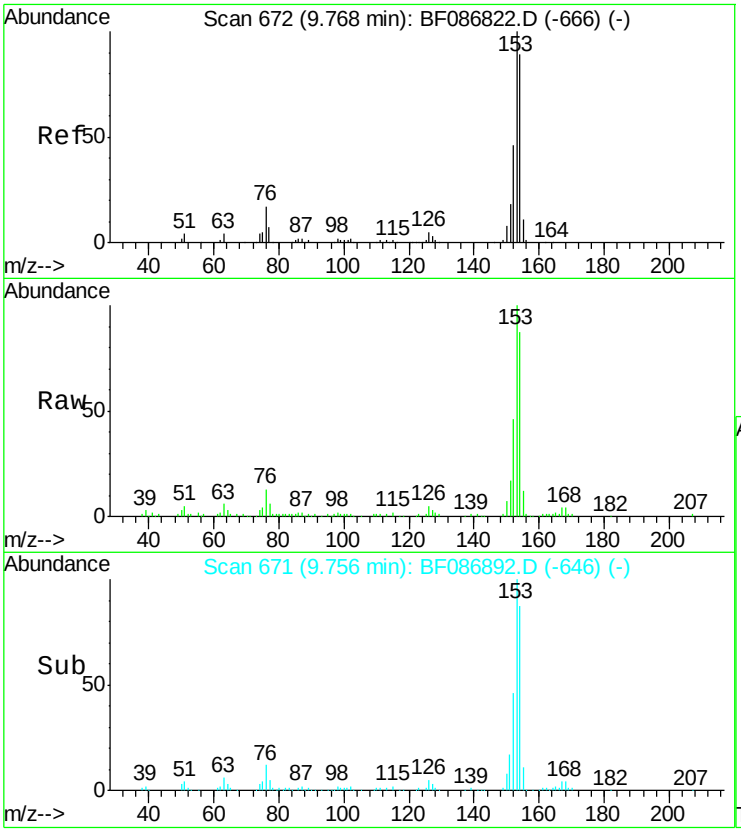


#50
2,6-Dinitrotoluene
Concen: 9.54 ng
RT: 9.72 min Scan# 668
Delta R.T. 0.19 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:165 Resp: 37155

Ion	Ratio	Lower	Upper
165	100		
63	2.4	51.8	77.8#
89	2.8	50.7	76.1#



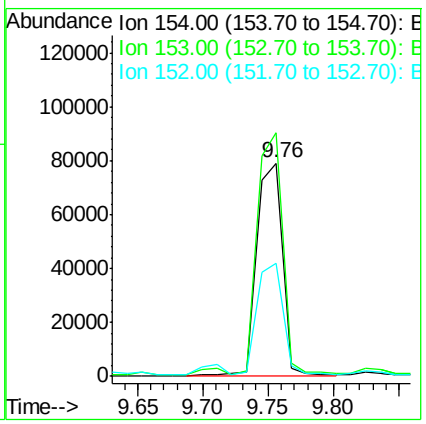


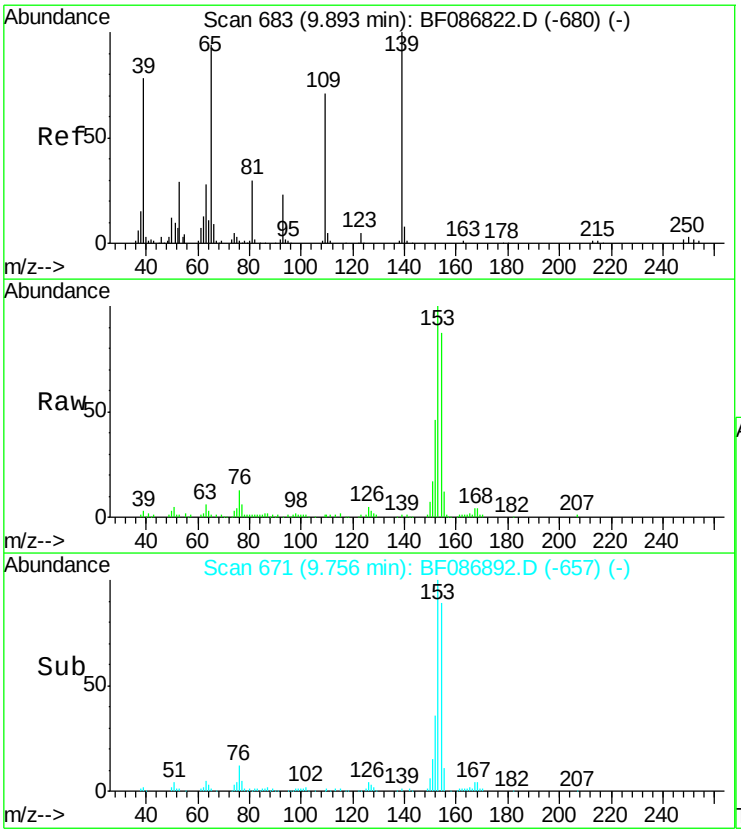
#51
Acenaphthene
Concen: 8.01 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 110715

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.8	134.6
152	53.1	43.4	65.0

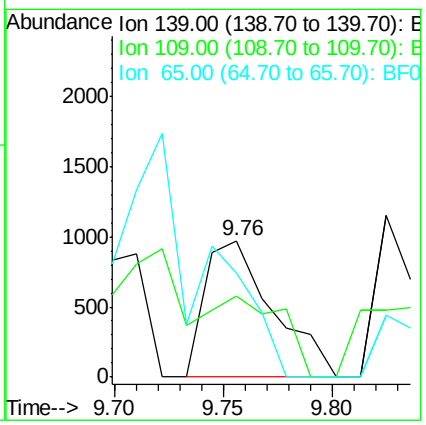


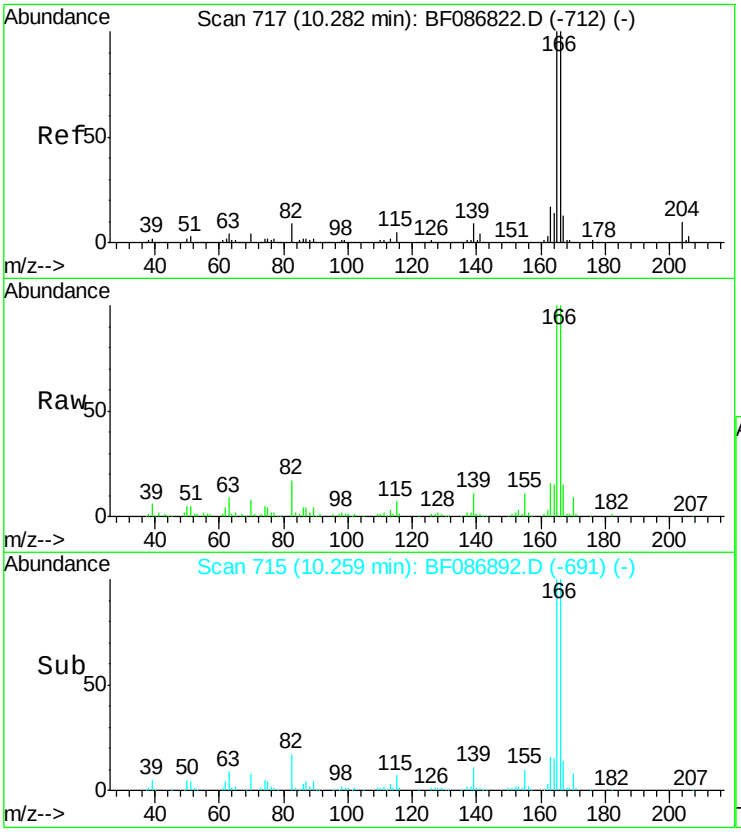


#55
4-Nitrophenol
Concen: 5.29 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.14 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:139 Resp: 2110

Ion	Ratio	Lower	Upper
139	100		
109	59.5	36.9	76.9
65	76.8	64.0	104.0



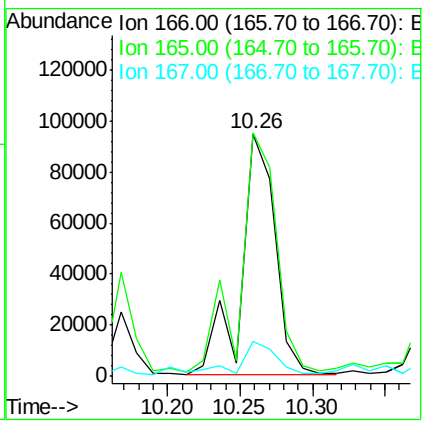


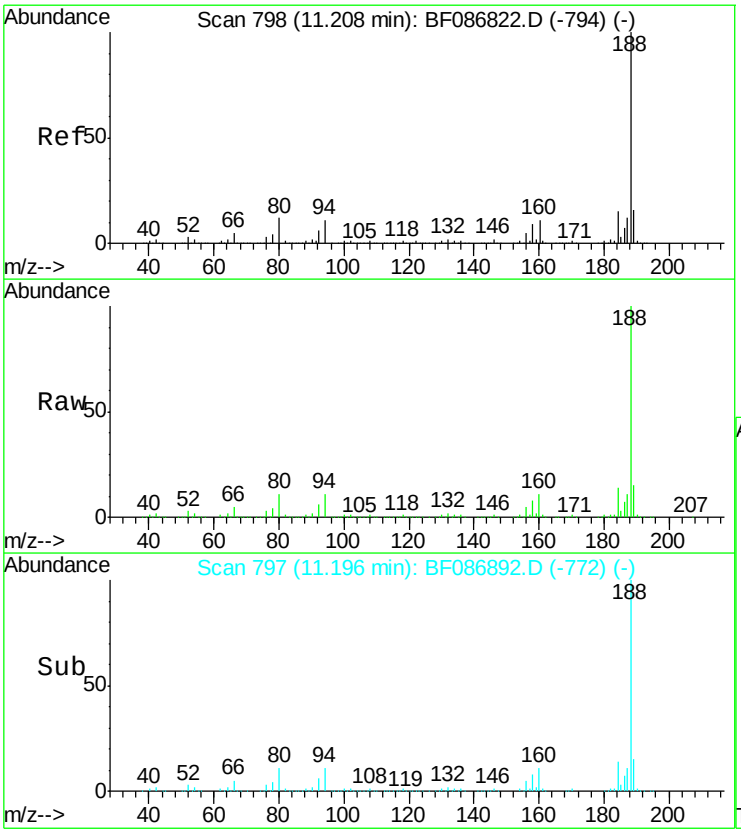
#57
Fluorene
Concen: 10.20 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 154432

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.0	118.6
167	14.6	10.6	15.8

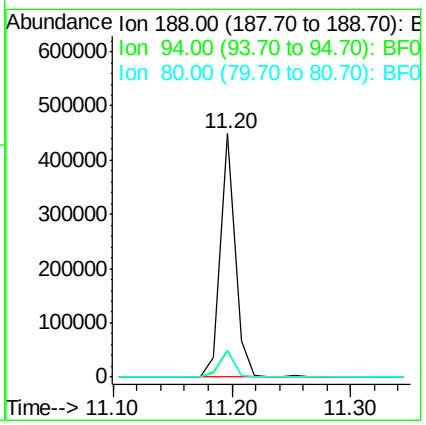


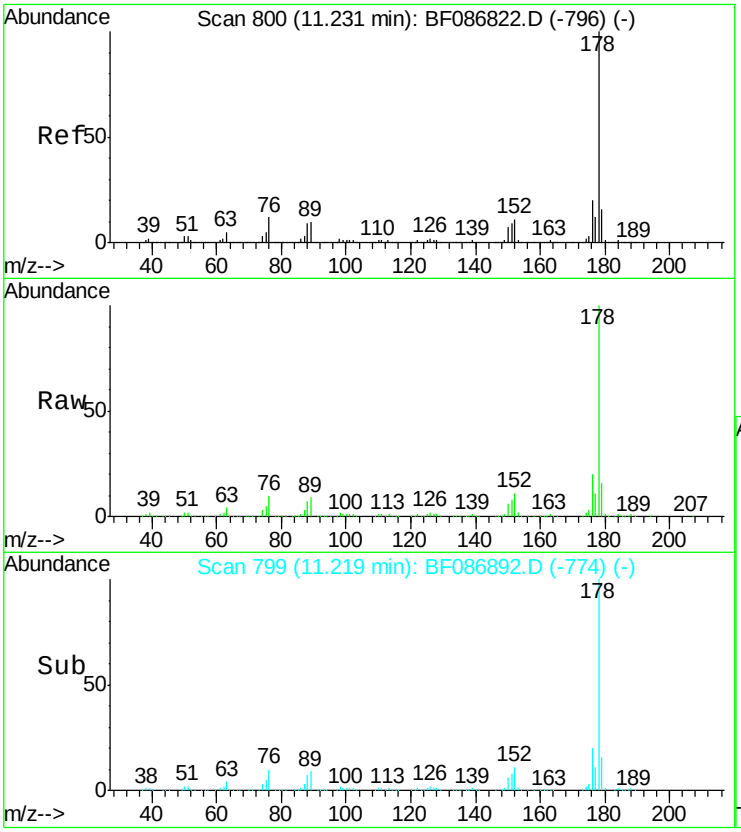


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:188 Resp: 385710

Ion	Ratio	Lower	Upper
188	100		
94	10.5	6.8	10.2#
80	11.2	7.1	10.7#

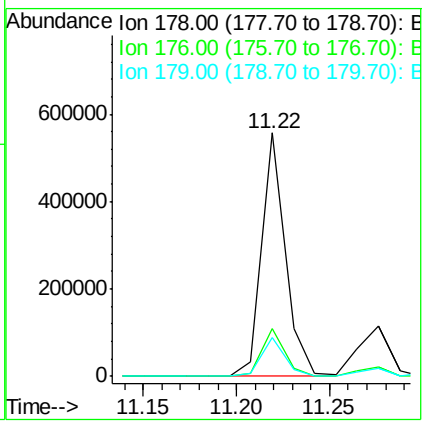




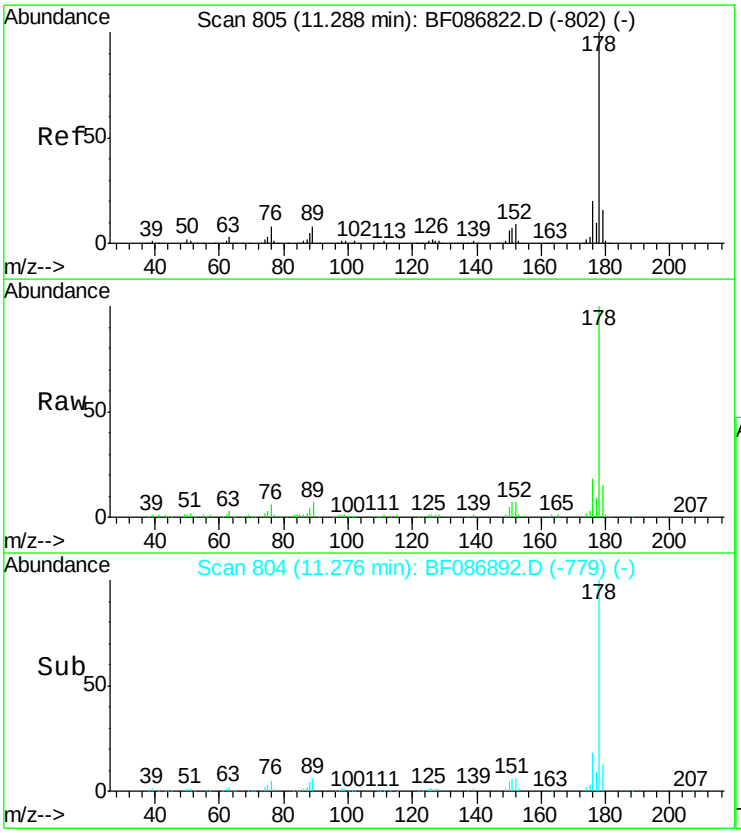
#70
Phenanthrene
Concen: 23.67 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:178 Resp: 487220

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.7	12.6	18.8



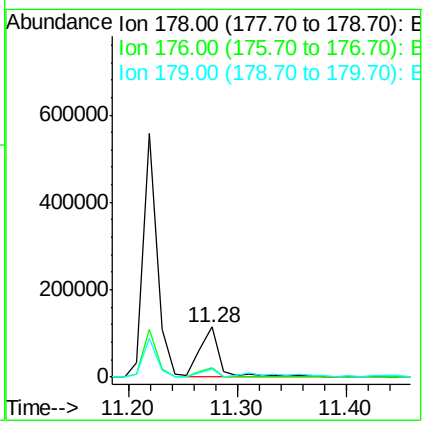
Instrument :
BNA_F
ClientSampleId :

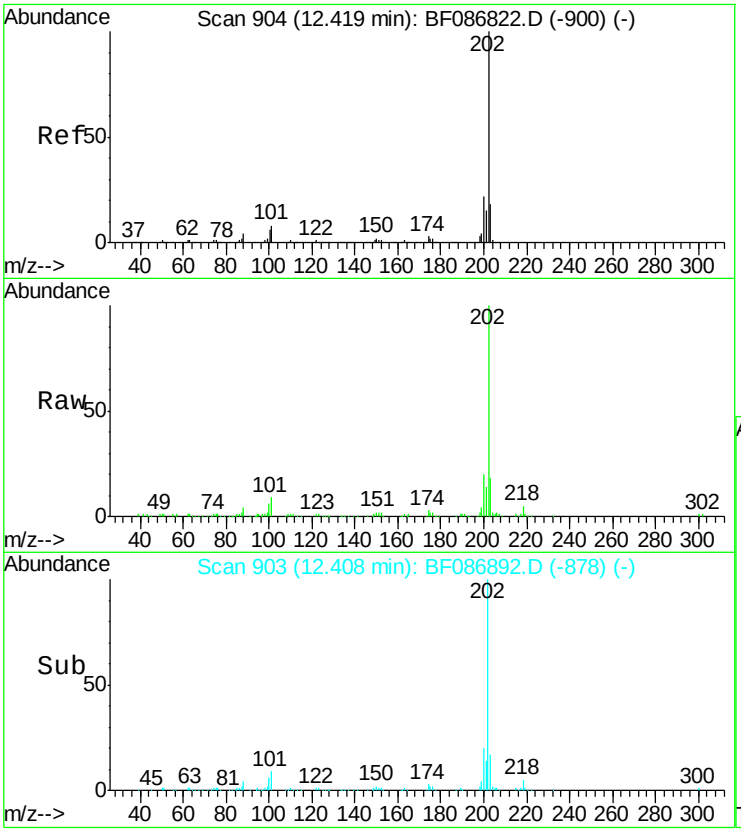


#71
Anthracene
Concen: 6.78 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:178 Resp: 142799

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.2	12.7	19.1



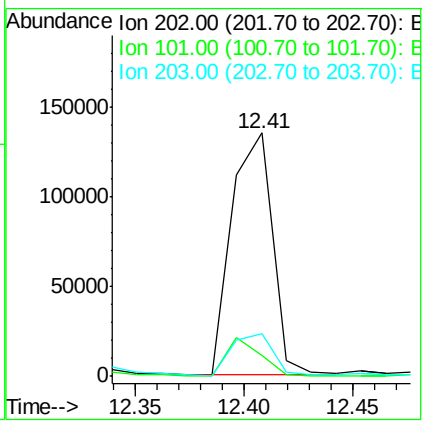


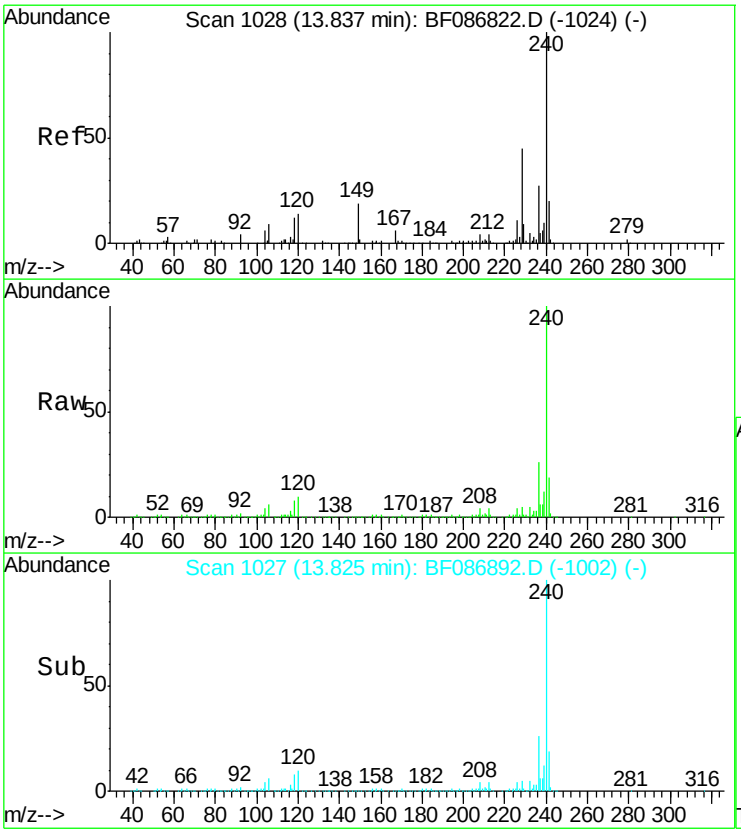
#74
Fluoranthene
Concen: 8.32 ng
RT: 12.41 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 176062

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	35.4
203	17.7	0.0	38.1

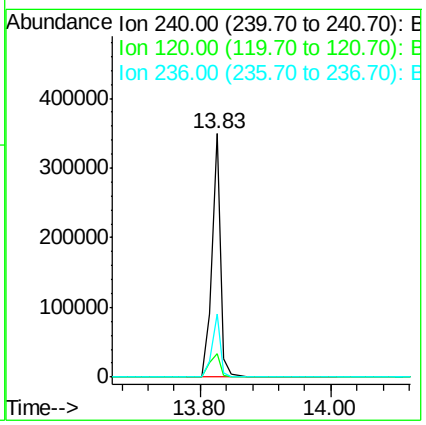


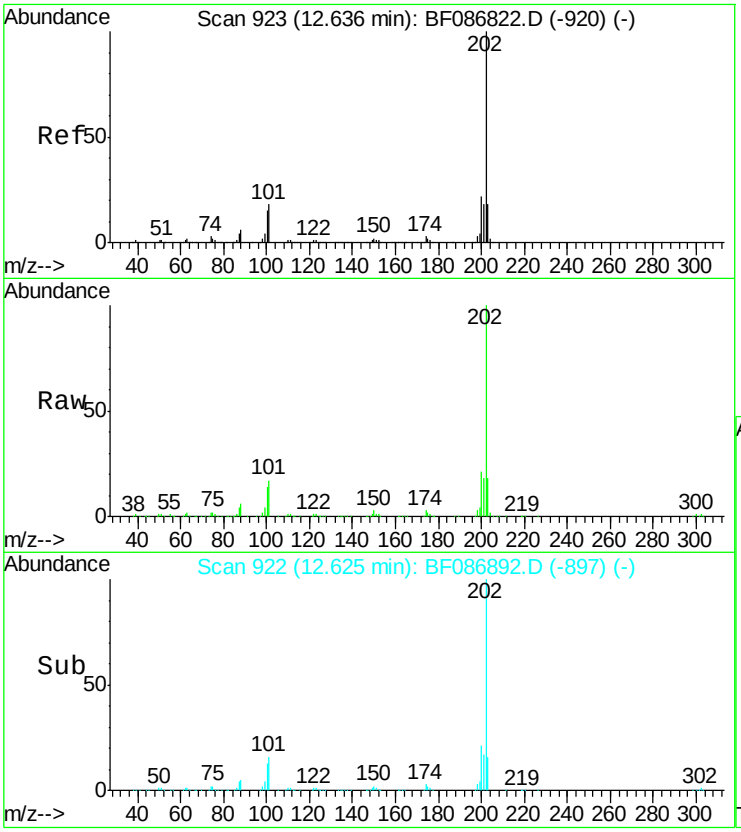


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:240 Resp: 330999

Ion	Ratio	Lower	Upper
240	100		
120	9.8	11.2	16.8#
236	25.9	21.2	31.8



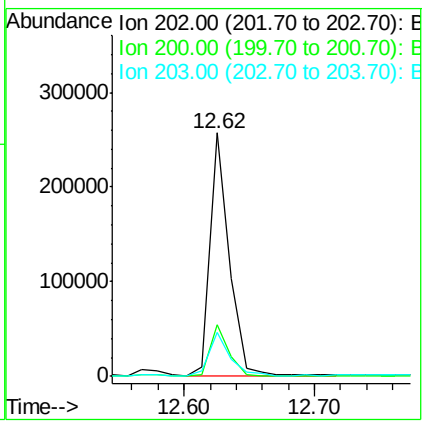


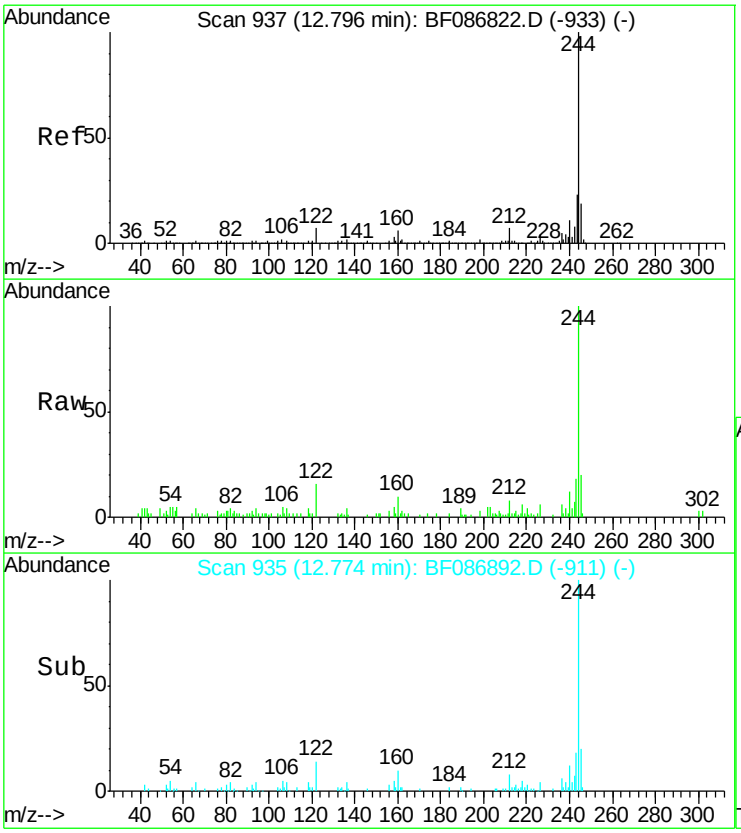
#77
Pyrene
Concen: 10.32 ng
RT: 12.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 261480

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.8	14.2	21.4

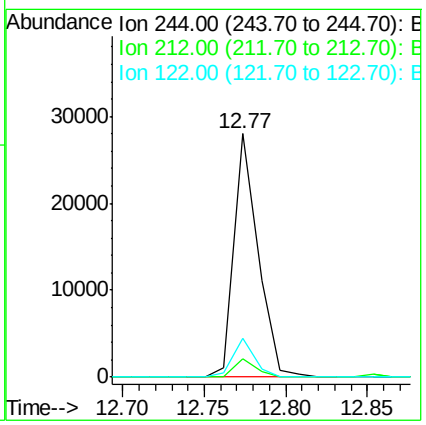


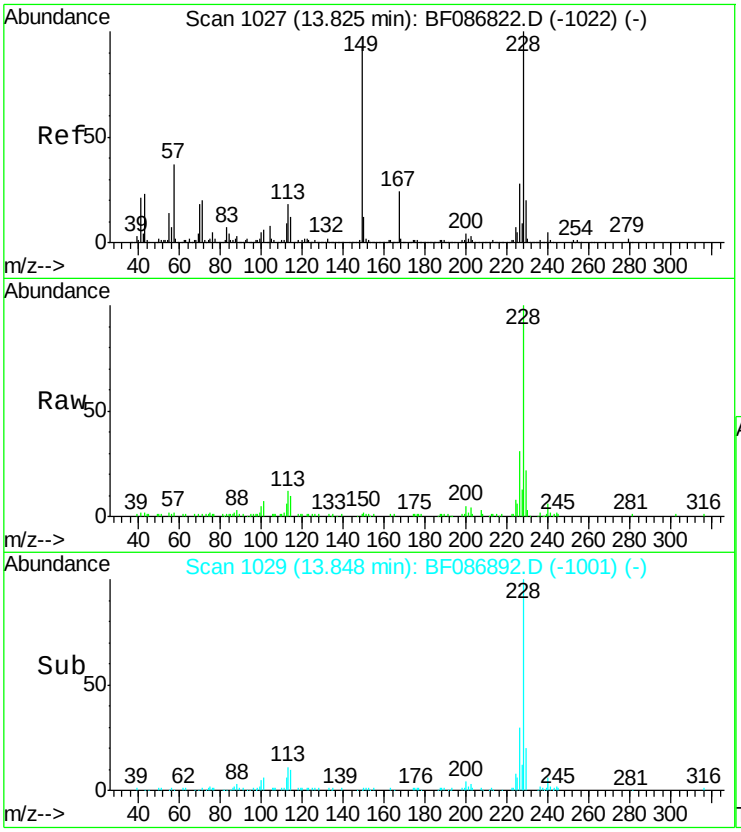


#78
Terphenyl-d14
Concen: 1.82 ng
RT: 12.77 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:244 Resp: 28343

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	15.8	12.0	18.0



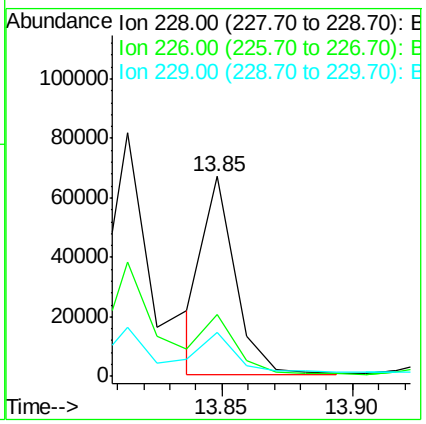


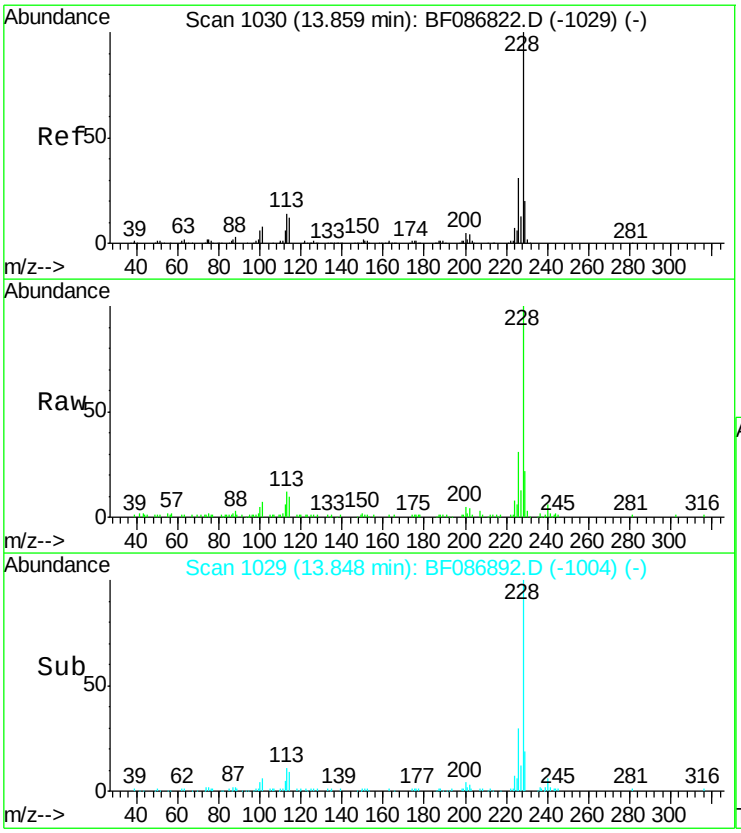
#80
Benzo(a)anthracene
Concen: 3.07 ng
RT: 13.85 min Scan# 1029
Delta R.T. 0.02 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 56997

Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.5	33.7
229	21.8	16.6	25.0

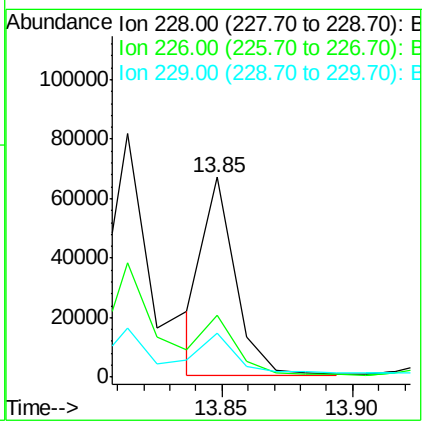


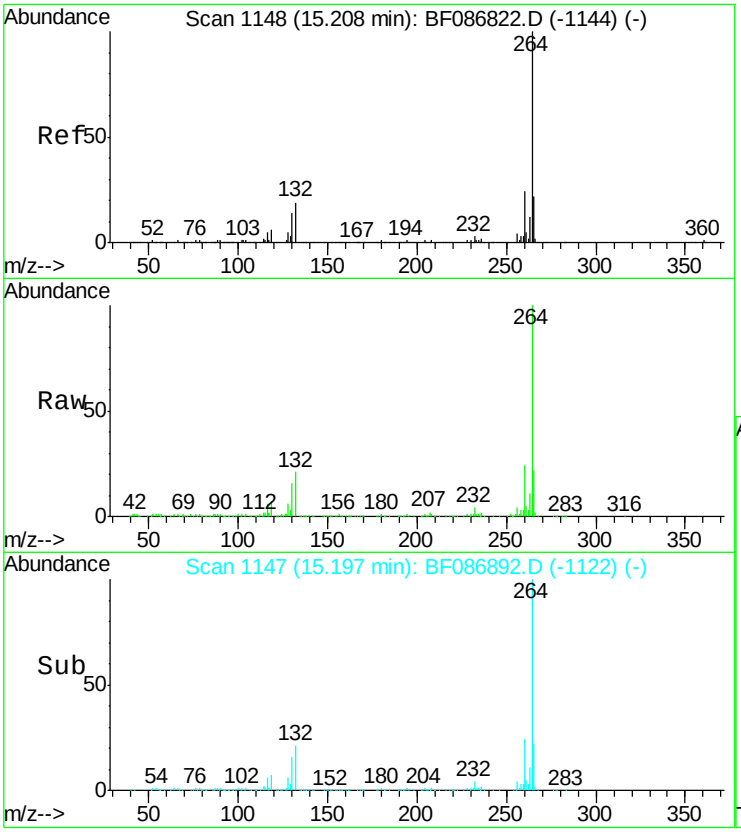


#82
Chrysene
Concen: 3.02 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:228 Resp: 56997

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	21.8	15.8	23.8



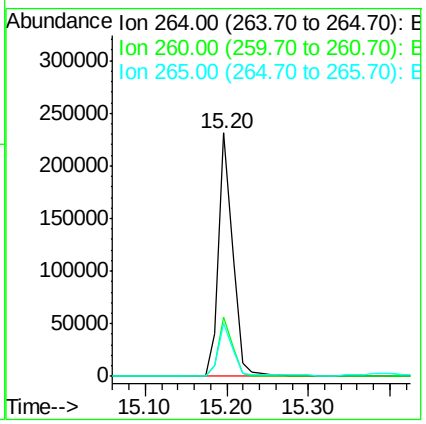


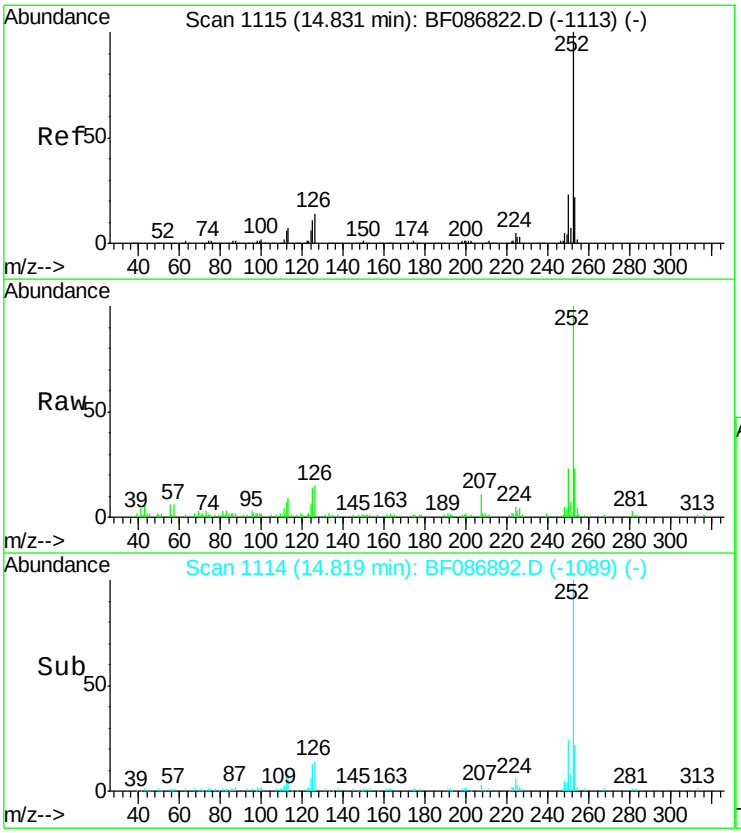
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 278620

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.9	17.3	25.9

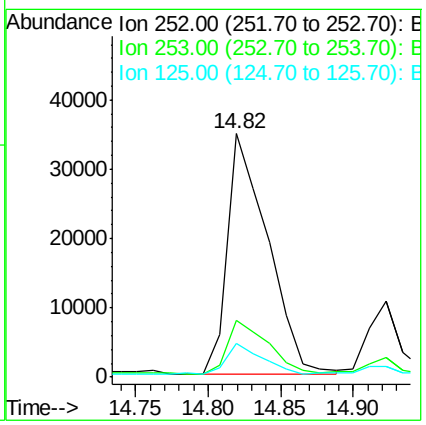


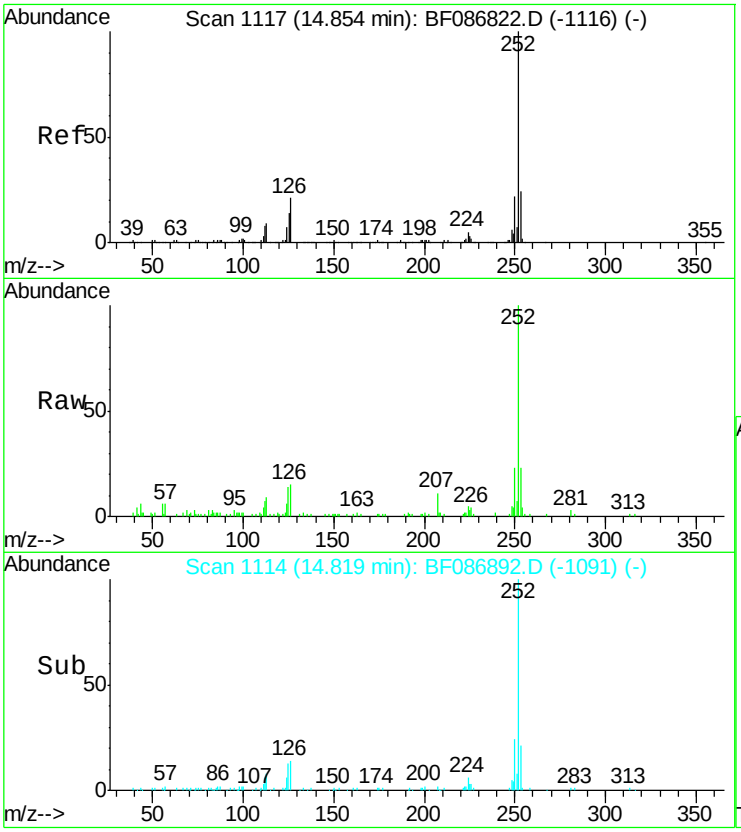


#87
Benzo(b)fluoranthene
Concen: 3.66 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:252 Resp: 66356

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	13.7	11.4	17.0



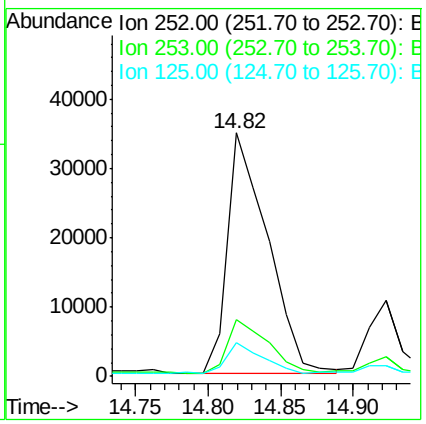


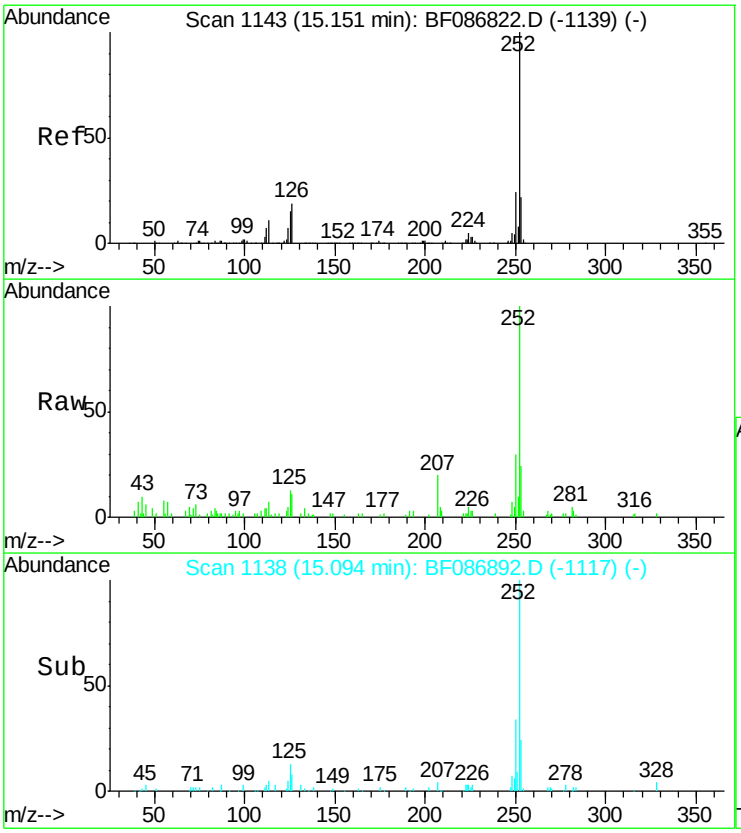
#88
Benzo(k)fluoranthene
Concen: 4.48 ng
RT: 14.82 min Scan# 1114
Delta R.T. -0.03 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 66356

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	13.7	9.1	13.7#





#89
Benzo(a)pyrene
Concen: 2.03 ng
RT: 15.09 min Scan# 1138
Delta R.T. -0.06 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:252 Resp: 31705

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	12.9	9.0	13.6