Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082416\
Data File : BF089906.D
Acq On : 25 Aug 2016 6:51
Operator : UM/SJ
Sample : H4566-05 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC2-E-5-02

Quant Time: Aug 25 12:29:23 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	476955	20.00	ng		-0.01
21) Naphthalene-d8	7.95	136	1817125	20.00	ng		-0.02
38) Acenaphthene-d10	9.70	164	799385	20.00	ng		-0.01
63) Phenanthrene-d10	11.19	188	1445786	20.00	ng		0.00
75) Chrysene-d12	13.87	240	953043	20.00	ng		0.00
86) Perylene-d12	15.39	264	1066513	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.23	112	662847	23.83	ng		-0.02
7) Phenol-d6	6.30	99	773132	22.65	ng		-0.02
23) Nitrobenzene-d5	7.23	82	457204	15.63	ng		-0.02
41) 2,4,6-Tribromophenol	10.49	330	173172	22.79	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	921039	20.25	ng		-0.01
78) Terphenyl-d14	12.78	244	648086	15.38	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	56014	2.57	ng	#	67
49) Dimethylphthalate	9.44	163	289189	5.14	ng		97
51) Acenaphthene	9.74	154	98898	2.03	ng		98
55) 4-Nitrophenol	9.91	139	24439	2.08	ng	#	17
56) 2,4-Dinitrotoluene	9.70	165	105093	6.23	ng	#	35
70) Phenanthrene	11.21	178	1207384	16.53	ng		99
71) Anthracene	11.26	178	315677	4.25	ng		97
72) Carbazole	11.42	167	157345	2.36	ng	#	96
74) Fluoranthene	12.39	202	1703568	24.53	ng		94
77) Pyrene	12.62	202	1428140	18.40	ng		98
80) Benzo(a)anthracene	13.86	228	742204	13.60	ng		100
82) Chrysene	13.90	228	555472	11.87	ng		97
85) Indeno(1,2,3-cd)pyrene	16.69	276	468001	7.84	ng		94
87) Benzo(b)fluoranthene	15.01	252	1333909	22.74	ng		98
88) Benzo(k)fluoranthene	15.01	252	1333909	25.06	ng		99
89) Benzo(a)pyrene	15.34	252	710363	12.79	ng		97
91) Benzo(g,h,i)perylene	17.07	276	440396	6.94	ng		96

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

Quantitation Report (Not Reviewed)

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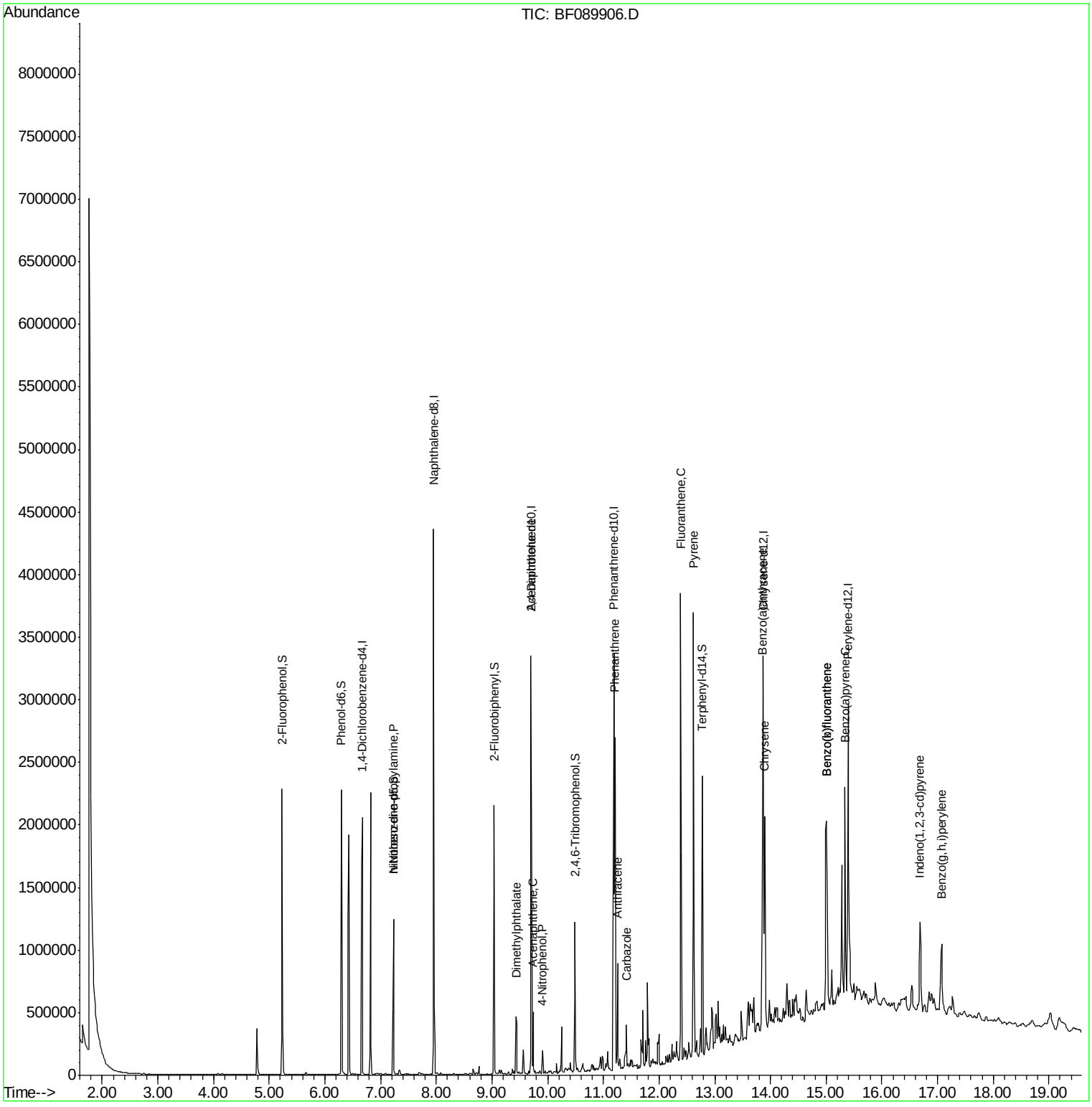
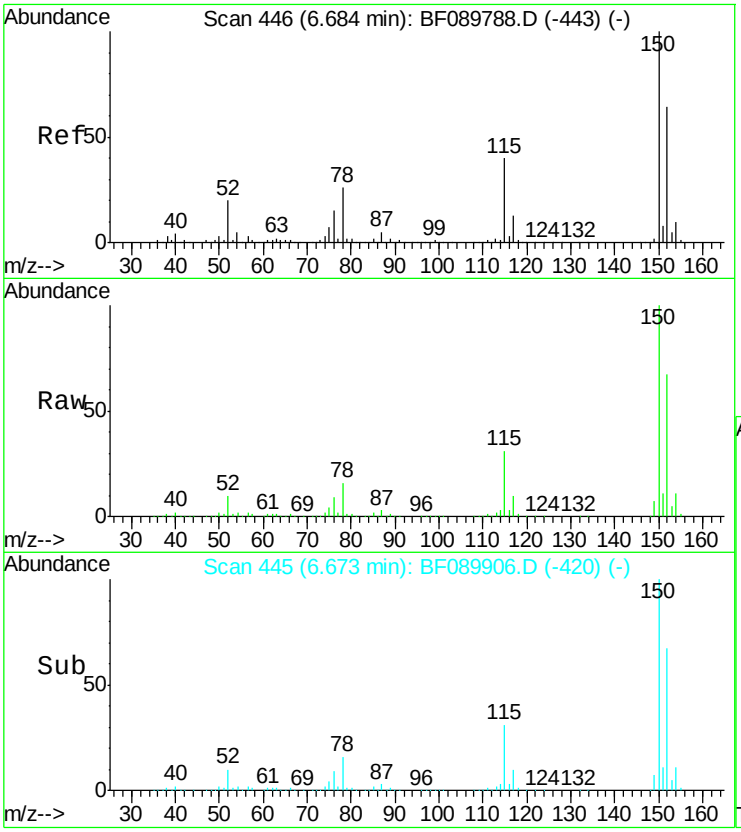


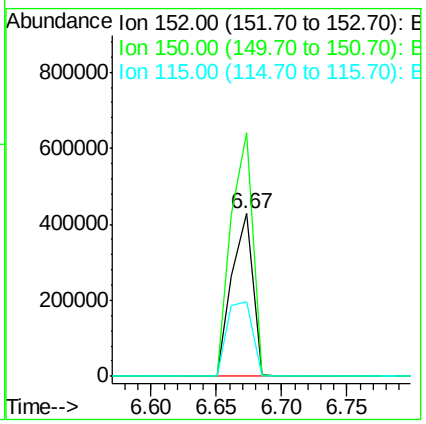


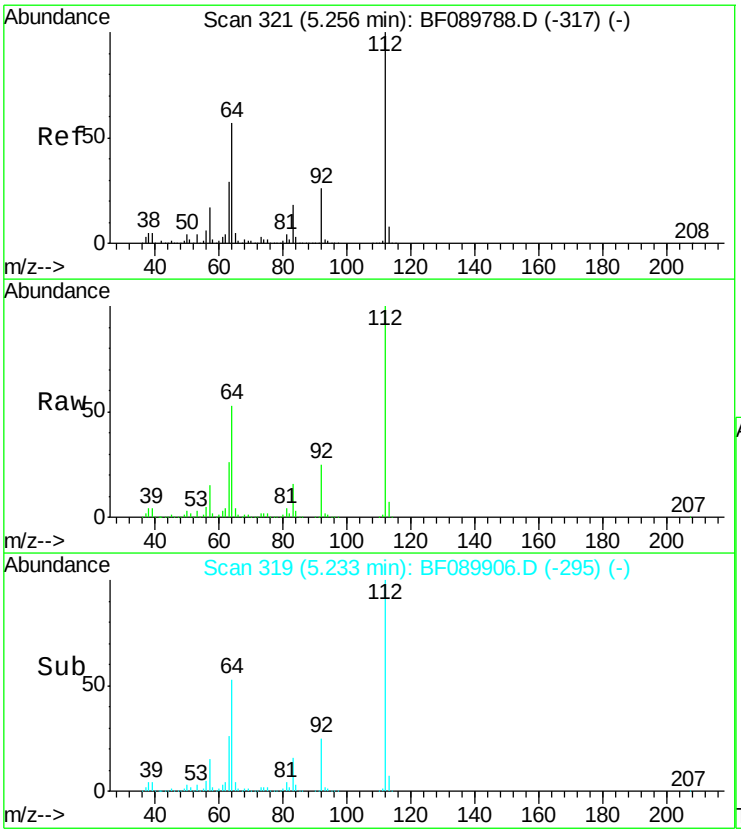
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:152 Resp: 476955

Ion	Ratio	Lower	Upper
152	100		
150	149.9	125.3	187.9
115	46.3	40.9	61.3

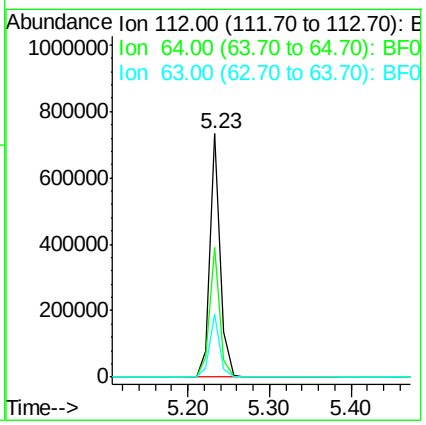


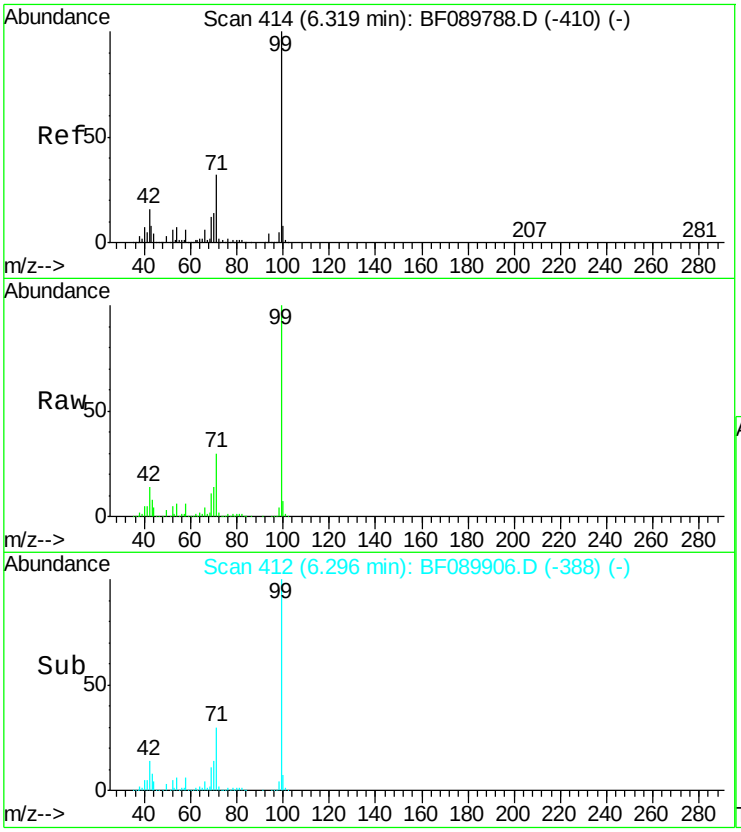


#5
2-Fluorophenol
Concen: 23.83 ng
RT: 5.23 min Scan# 319
Delta R.T. -0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:112 Resp: 662847

Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.0	67.4
63	26.0	23.1	34.7



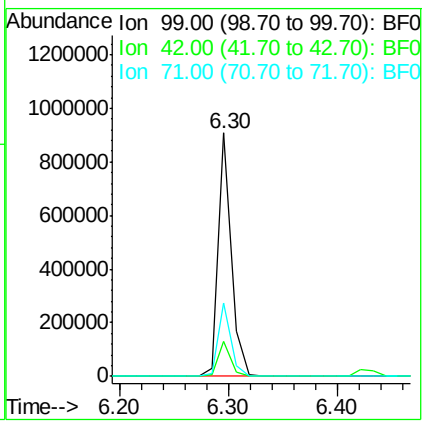


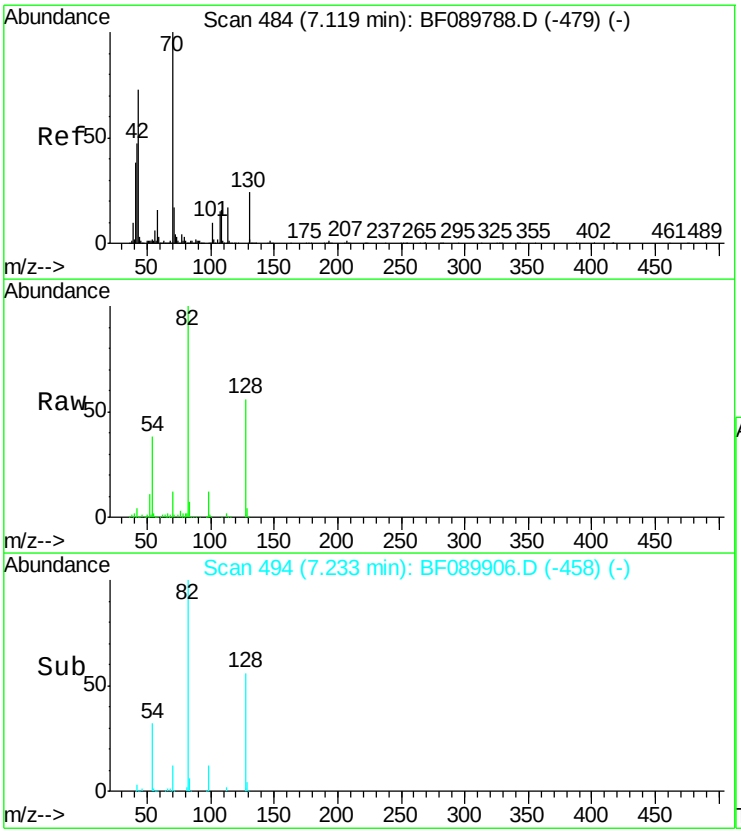
#7
Phenol-d6
Concen: 22.65 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion: 99 Resp: 773132

Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.2	18.4
71	30.2	23.8	35.8

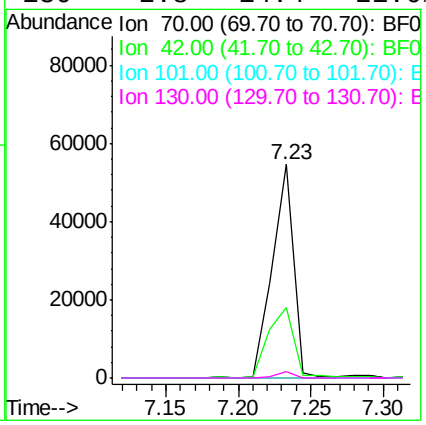


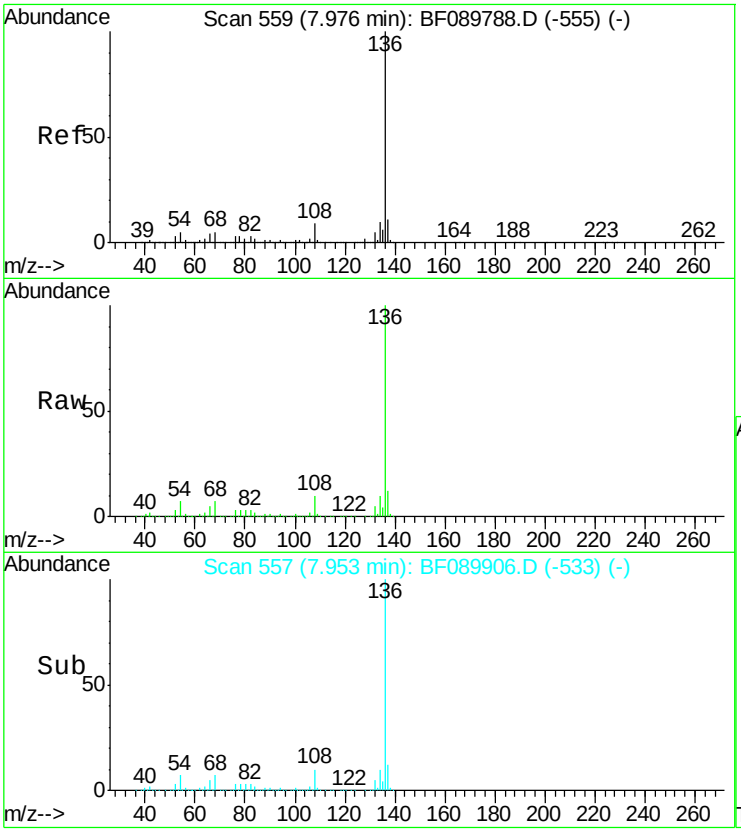


#19
n-Nitroso-di-n-propylamine
Concen: 2.57 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.11 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion: 70 Resp: 56014

Ion	Ratio	Lower	Upper
70	100		
42	33.0	46.3	69.5#
101	0.0	7.0	10.6#
130	2.8	14.4	21.6#



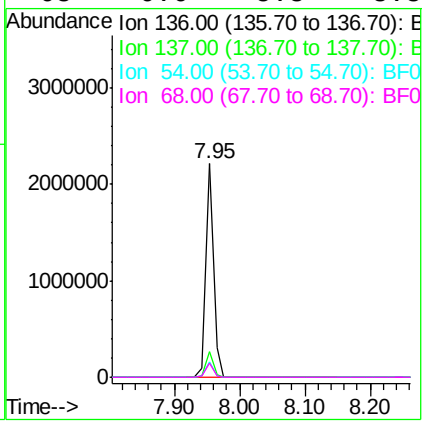


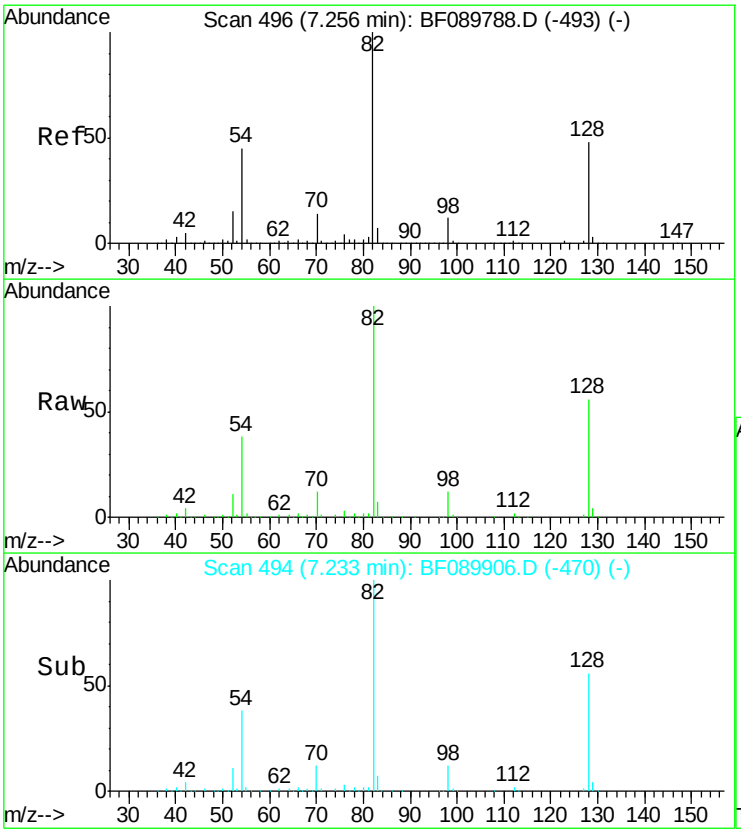
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:136 Resp: 1817125

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	7.0	7.2	10.8#
68	6.6	5.8	8.8

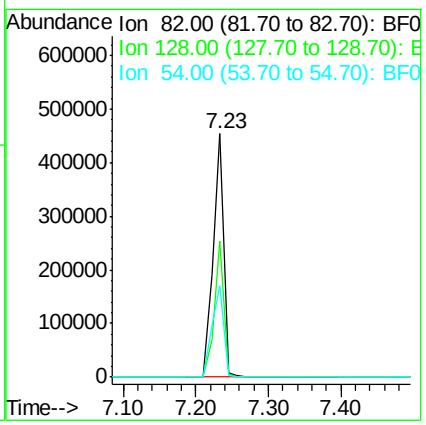


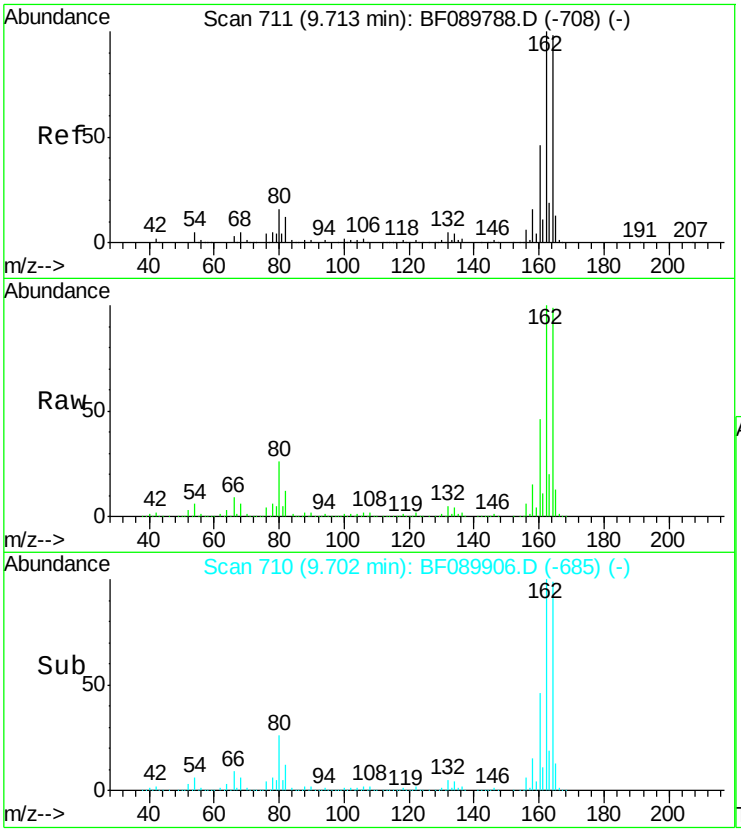


#23
Nitrobenzene-d5
Concen: 15.63 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion: 82 Resp: 457204

Ion	Ratio	Lower	Upper
82	100		
128	55.9	34.4	51.6#
54	37.7	40.3	60.5#



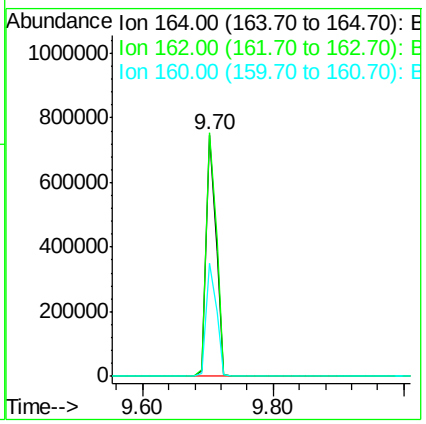


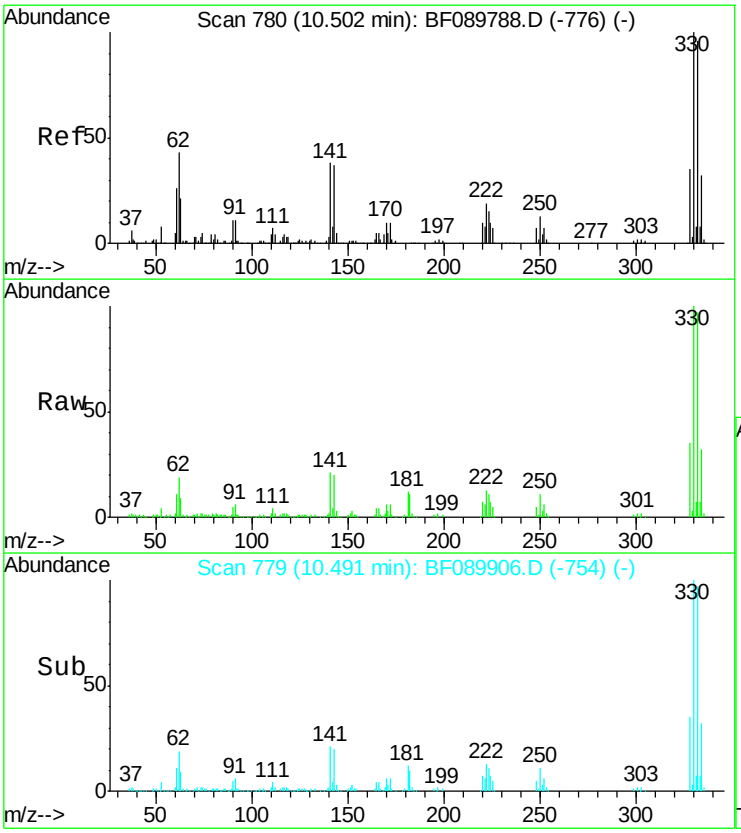
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:164 Resp: 799385

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.4	122.2
160	46.7	37.8	56.6

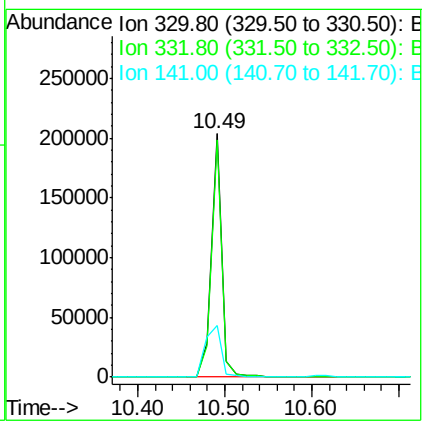


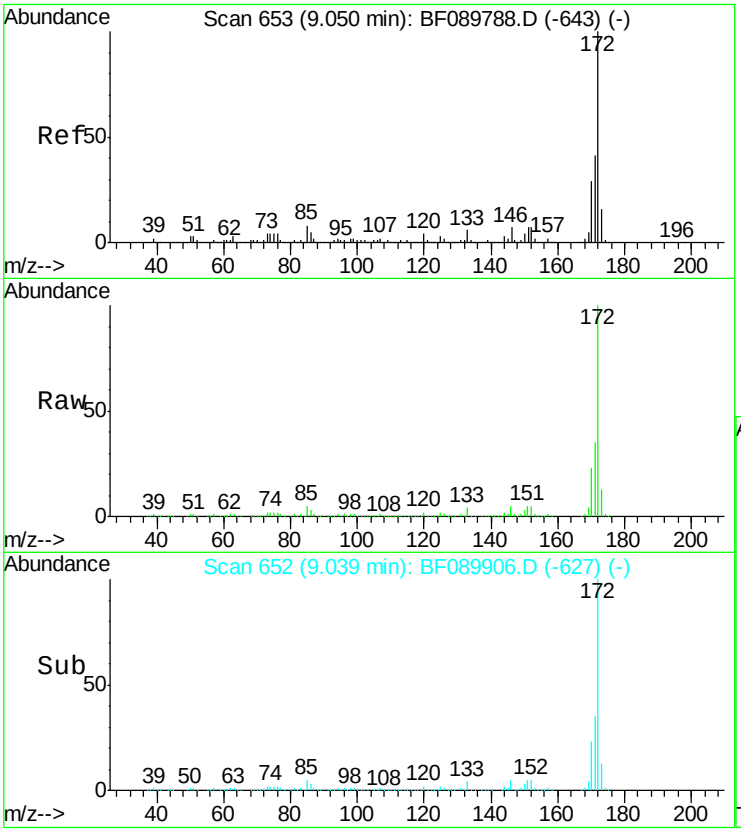


#41
2,4,6-Tribromophenol
Concen: 22.79 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:330 Resp: 173172

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	33.4	30.2	45.2



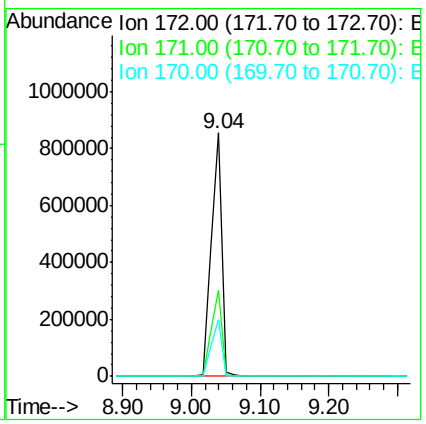


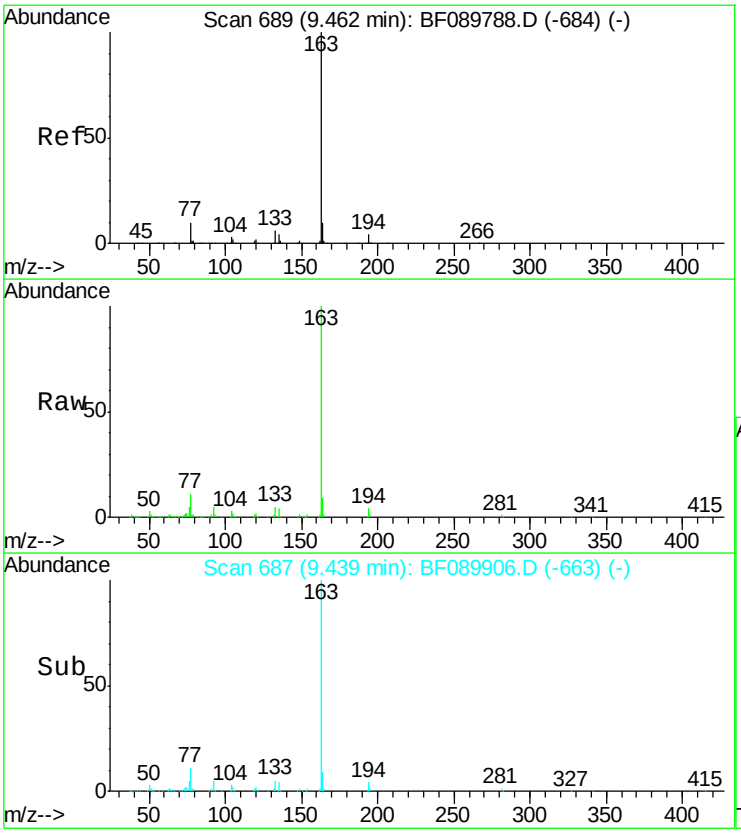
#44
2-Fluorobiphenyl
Concen: 20.25 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:172 Resp: 921039

Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.5	45.7
170	23.3	20.6	31.0

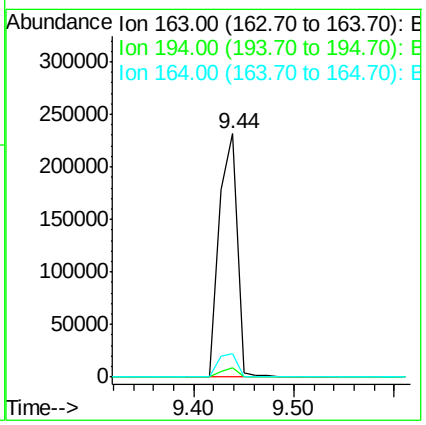


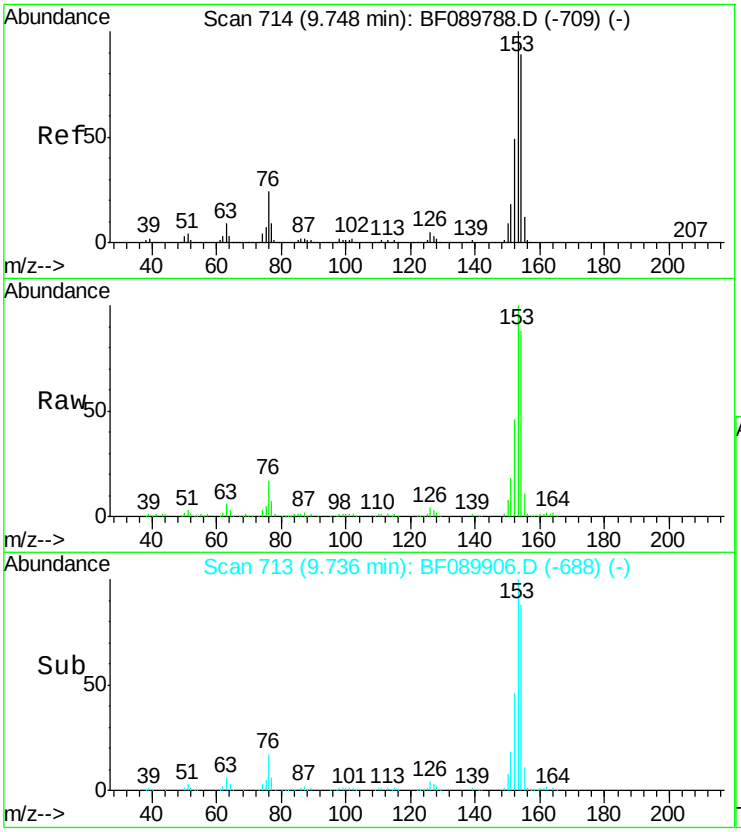


#49
Dimethylphthalate
Concen: 5.14 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:163 Resp: 289189

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.6	3.8
164	9.4	8.6	12.8



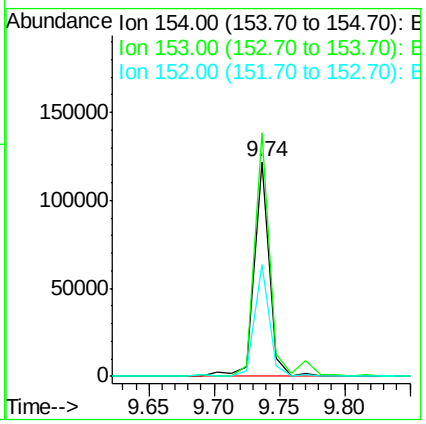


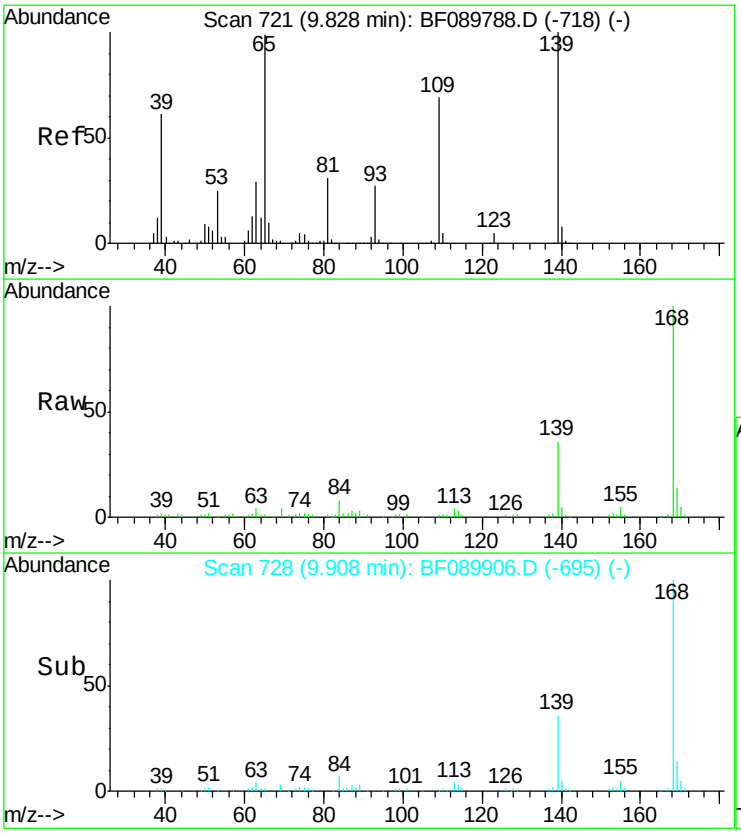
#51
Acenaphthene
Concen: 2.03 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:154 Resp: 98898

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.5	135.7
152	52.2	44.6	67.0

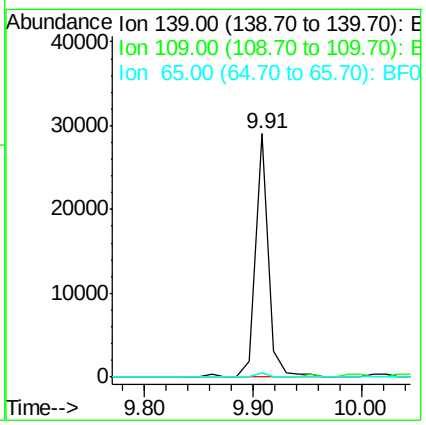


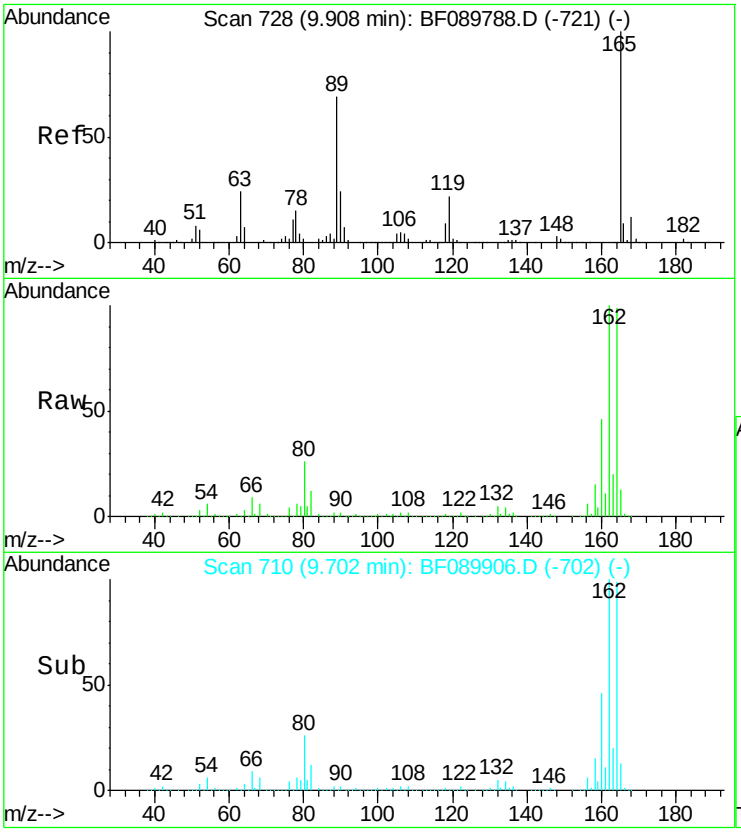


#55
4-Nitrophenol
Concen: 2.08 ng
RT: 9.91 min Scan# 728
Delta R.T. 0.08 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:139 Resp: 24439

Ion	Ratio	Lower	Upper
139	100		
109	2.0	43.0	83.0#
65	1.6	55.7	95.7#



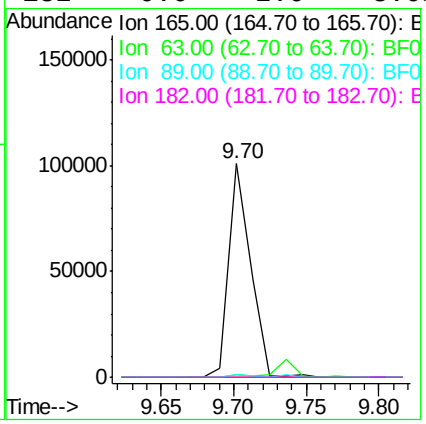


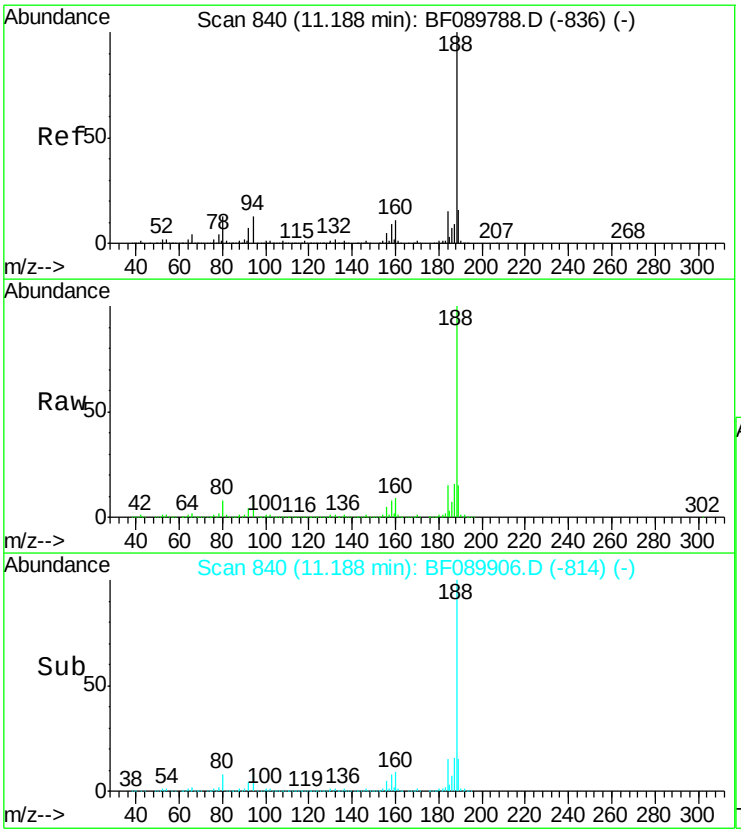
#56
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.21 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:165 Resp: 105093

Ion	Ratio	Lower	Upper
165	100		
63	1.0	23.7	35.5#
89	1.2	44.0	66.0#
182	0.0	2.0	3.0#

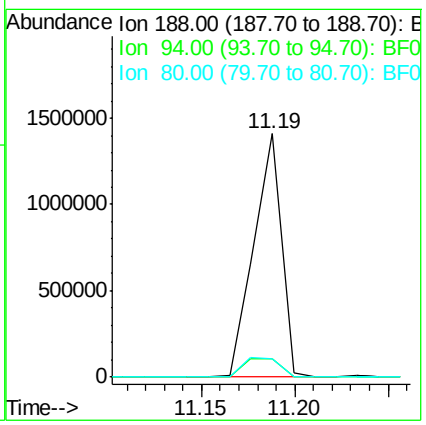


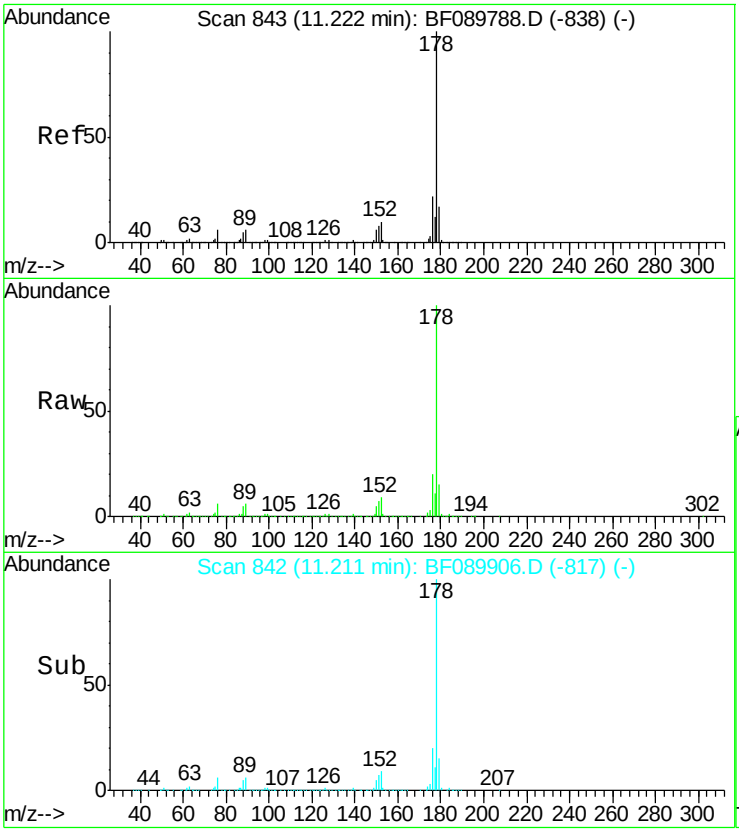


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:188 Resp: 1445786

Ion	Ratio	Lower	Upper
188	100		
94	7.7	10.2	15.2#
80	7.6	10.9	16.3#



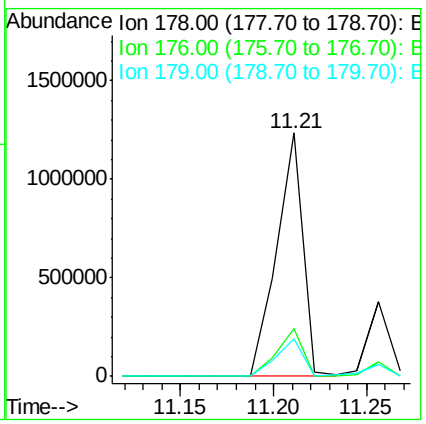


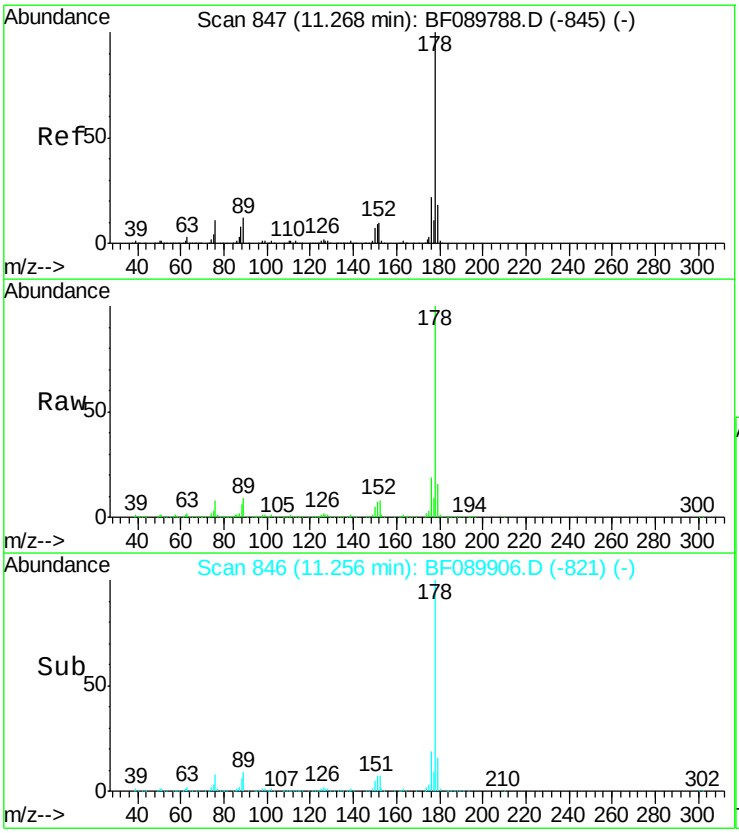
#70
Phenanthrene
Concen: 16.53 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:178 Resp: 1207384

Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	15.5	12.5	18.7

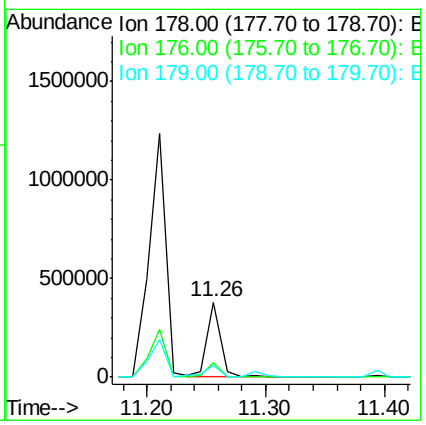


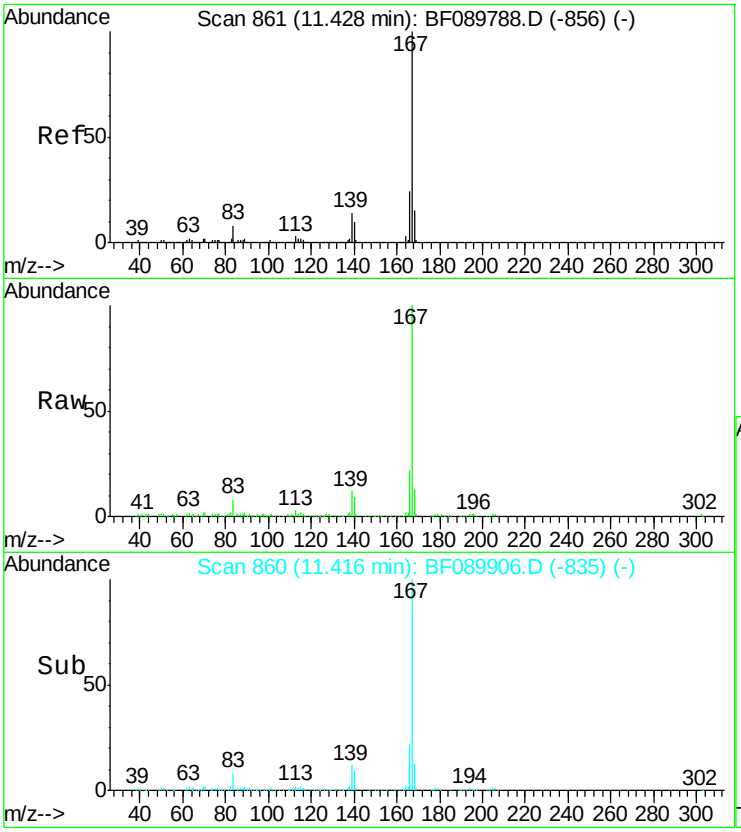


#71
Anthracene
Concen: 4.25 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:178 Resp: 315677

Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.4	24.6
179	15.6	13.1	19.7



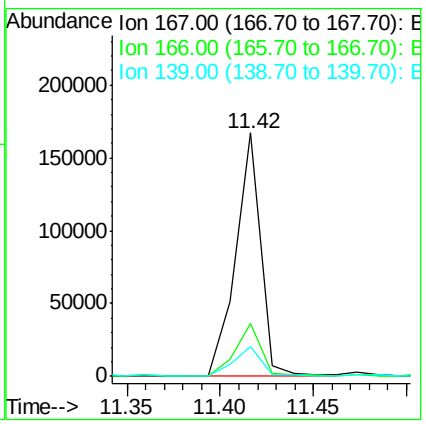


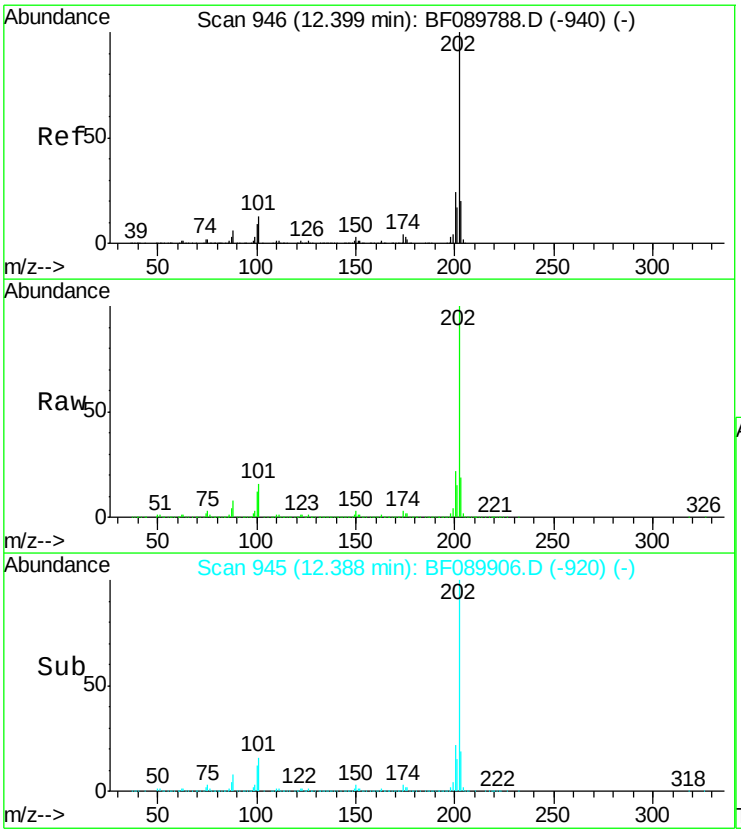
#72
Carbazole
Concen: 2.36 ng
RT: 11.42 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:167 Resp: 157345

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.9	26.9
139	12.0	12.4	18.6#

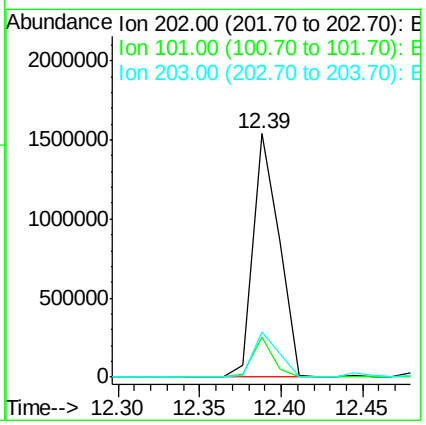


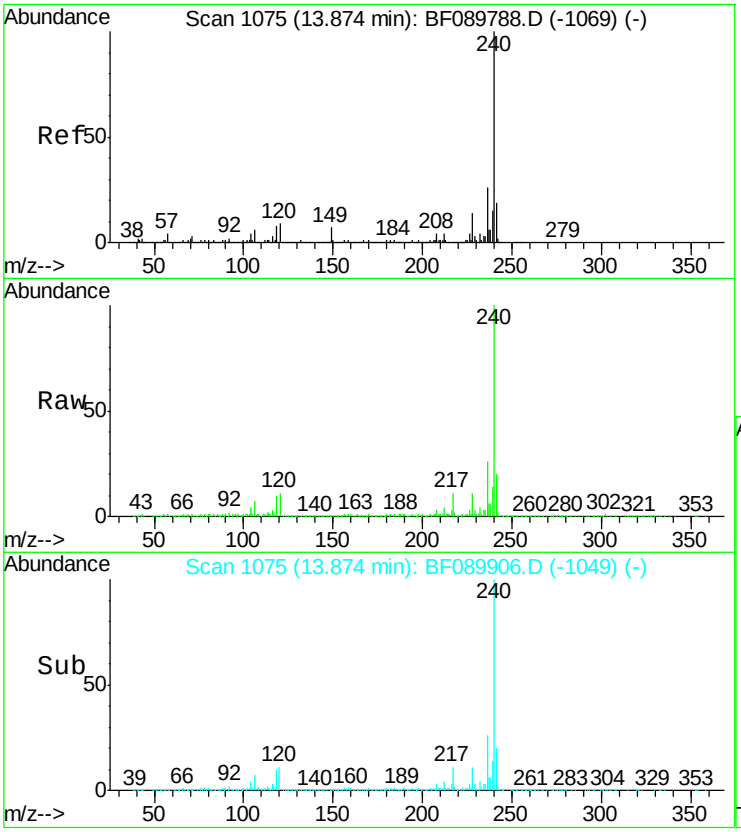


#74
Fluoranthene
Concen: 24.53 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:202 Resp: 1703568

Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	31.2
203	18.6	0.0	38.1



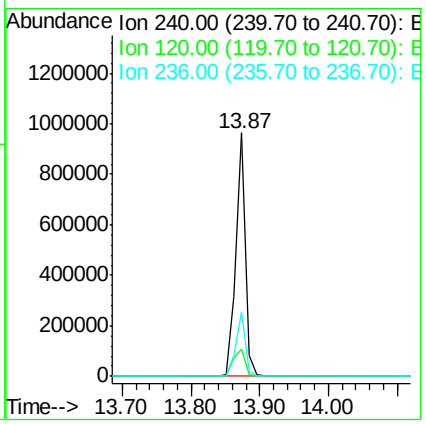


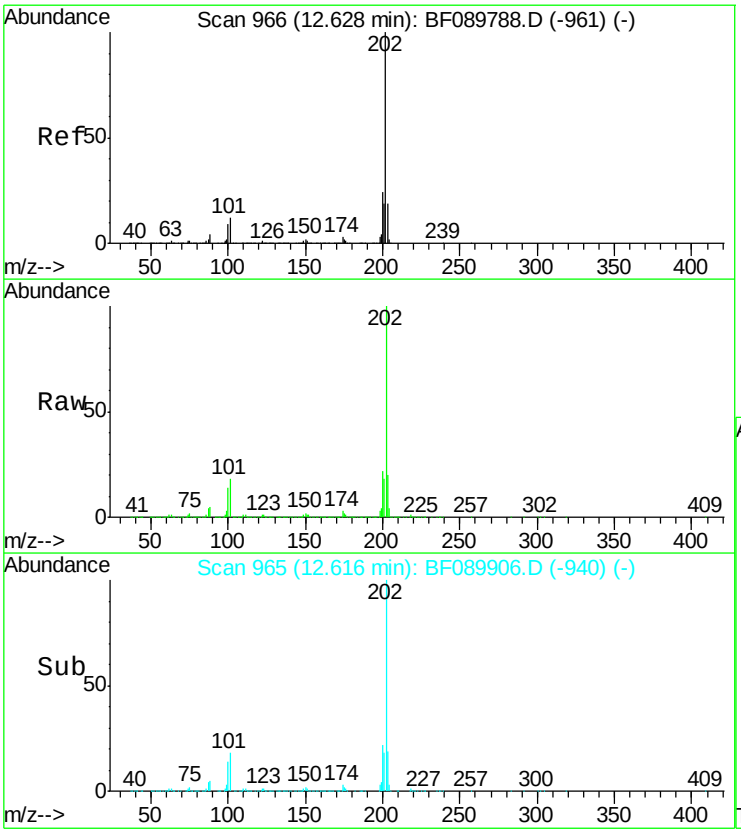
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1075
Delta R.T. -0.00 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:240 Resp: 953043

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.3	12.5
236	26.2	21.3	31.9

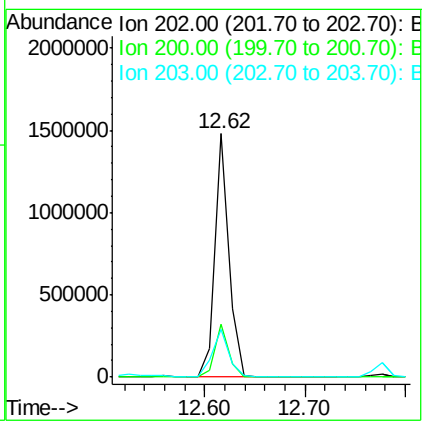


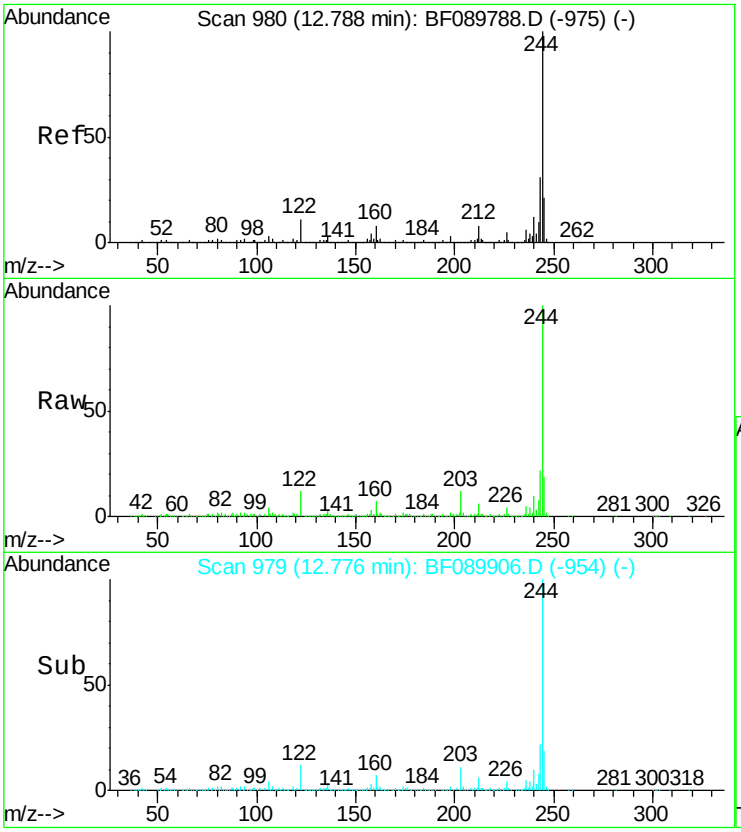


#77
Pyrene
Concen: 18.40 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:202 Resp: 1428140

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.8	26.6
203	19.7	14.2	21.4



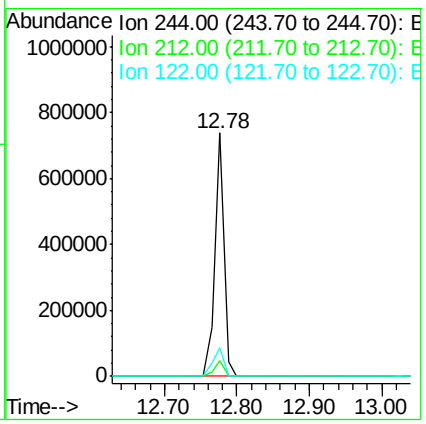


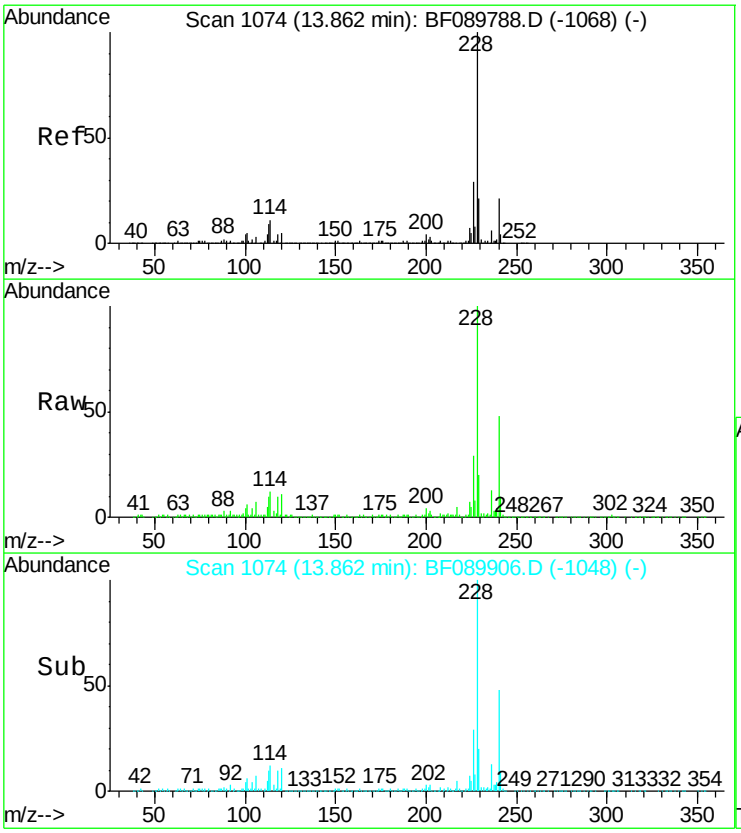
#78
Terphenyl-d14
Concen: 15.38 ng
RT: 12.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:244 Resp: 648086

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.3	9.5
122	11.8	12.0	18.0#

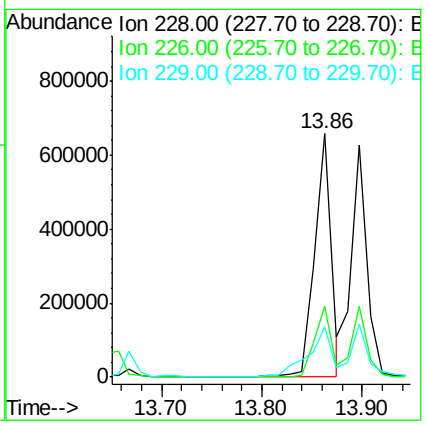


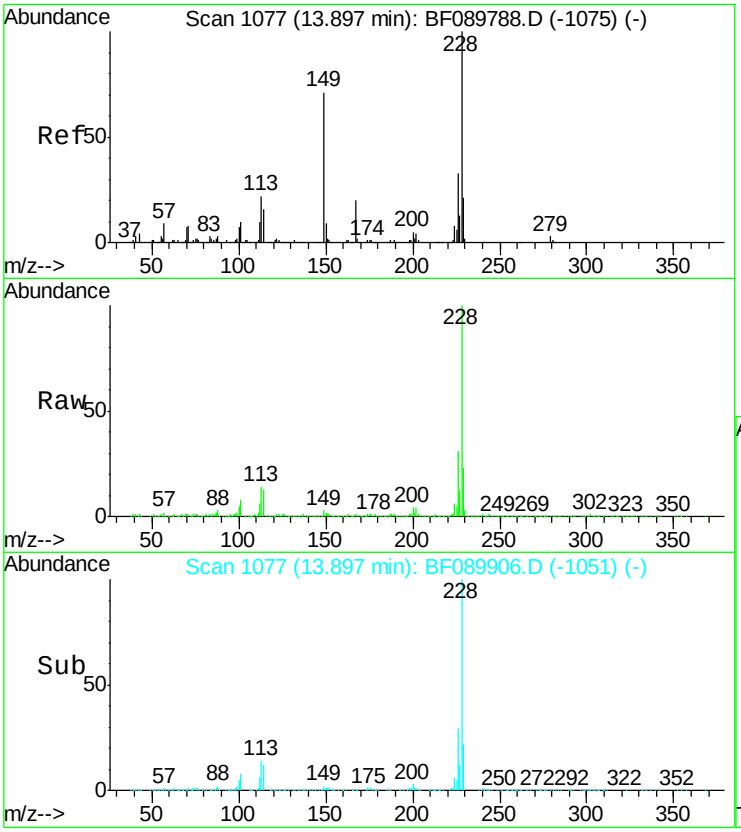


#80
Benzo(a)anthracene
Concen: 13.60 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:228 Resp: 742204

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.2	34.8
229	20.5	16.2	24.4



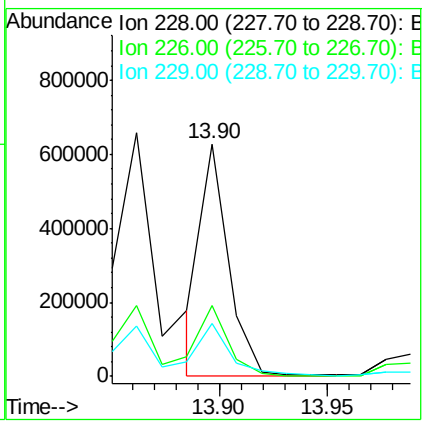


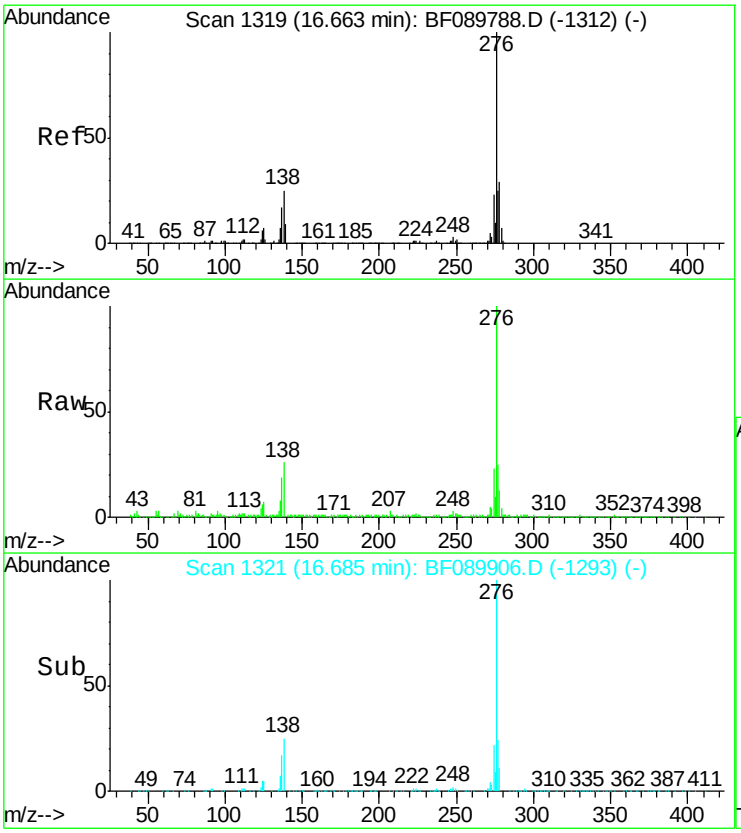
#82
Chrysene
Concen: 11.87 ng
RT: 13.90 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:228 Resp: 555472

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	22.8	16.5	24.7

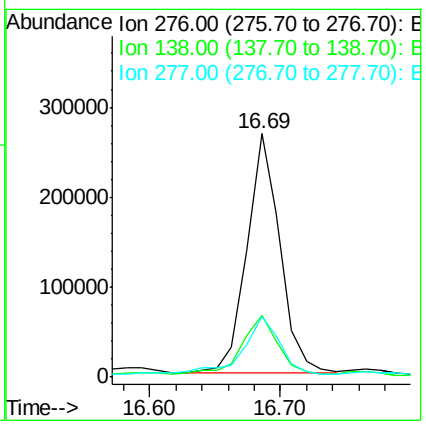


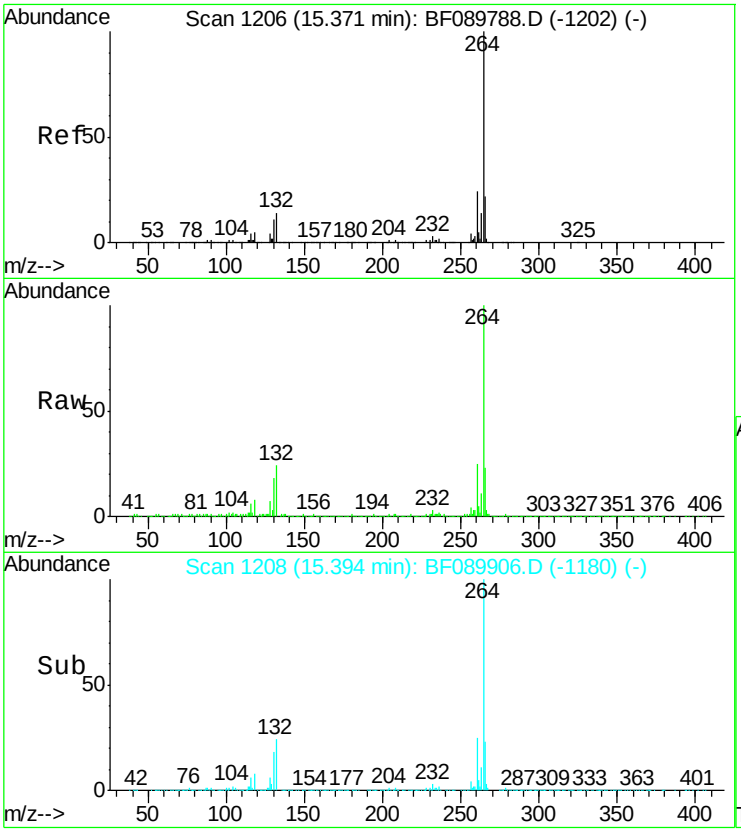


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.84 ng
RT: 16.69 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:276 Resp: 468001

Ion	Ratio	Lower	Upper
276	100		
138	26.3	24.6	36.8
277	27.8	20.4	30.6



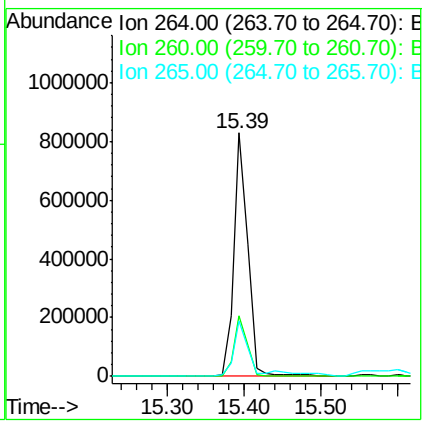


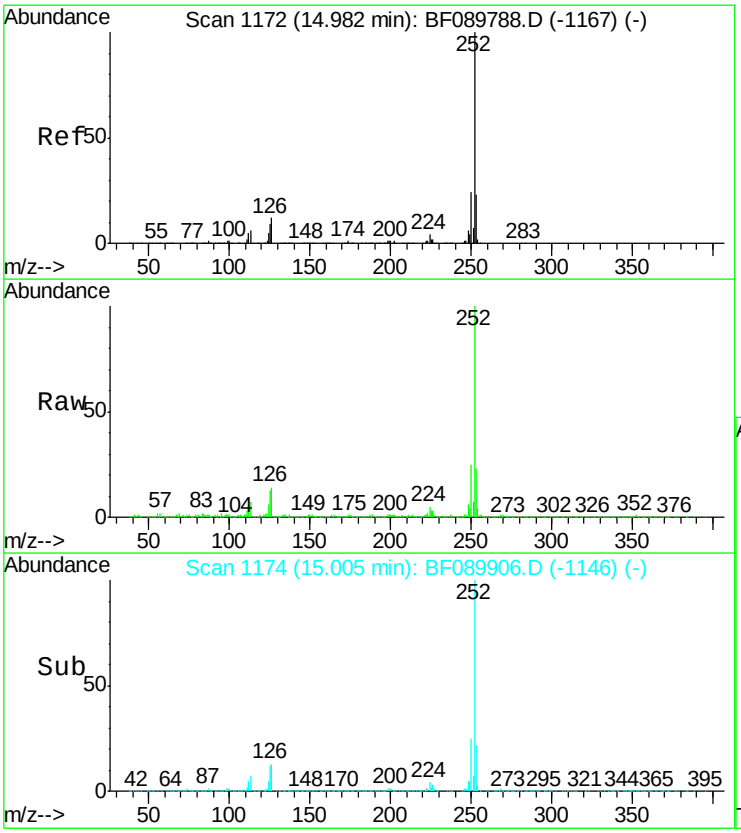
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1208
Delta R.T. 0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:264 Resp: 1066513

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	23.0	17.4	26.2

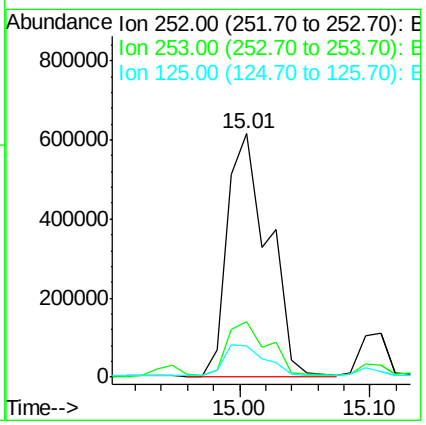


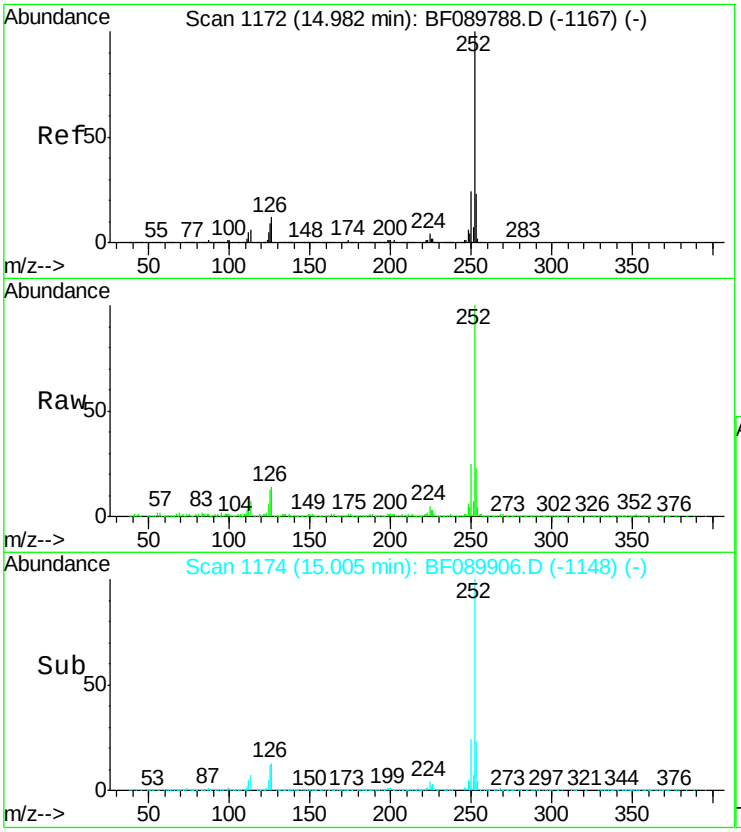


#87
Benzo(b)fluoranthene
Concen: 22.74 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:252 Resp: 1333909

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	12.9	11.4	17.2



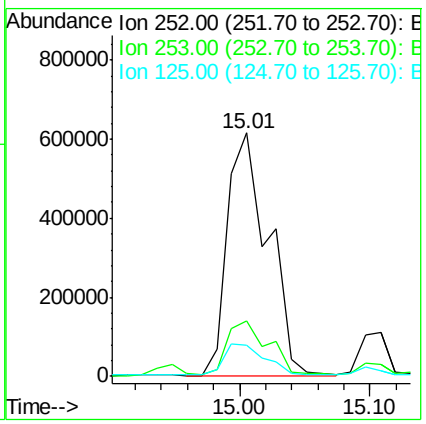


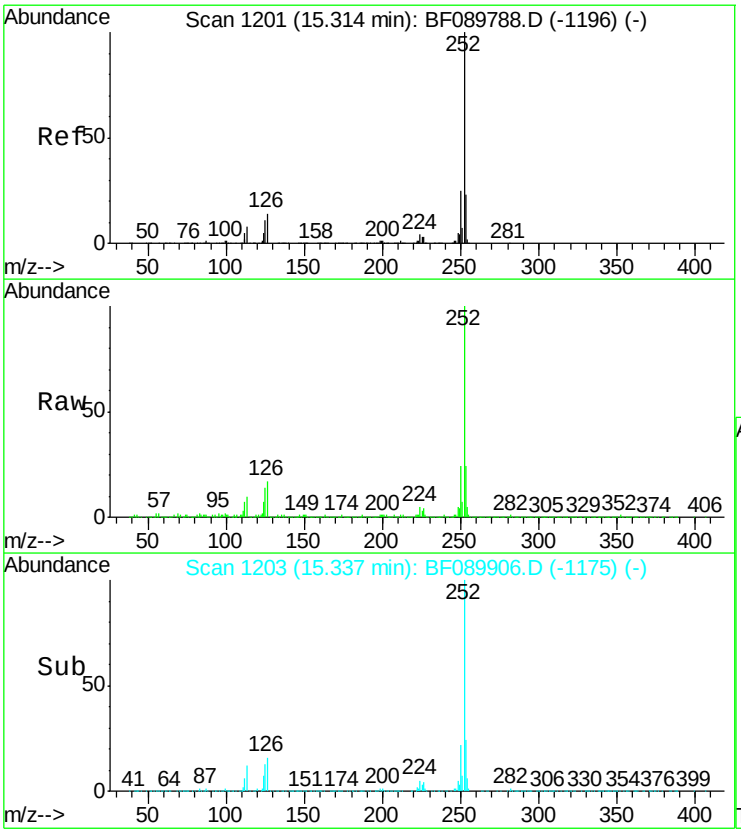
#88
Benzo(k)fluoranthene
Concen: 25.06 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:252 Resp: 1333909

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	12.9	9.8	14.6

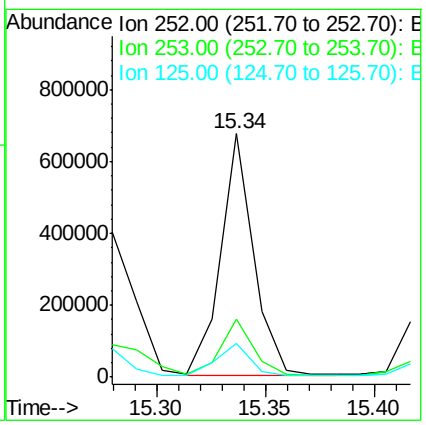


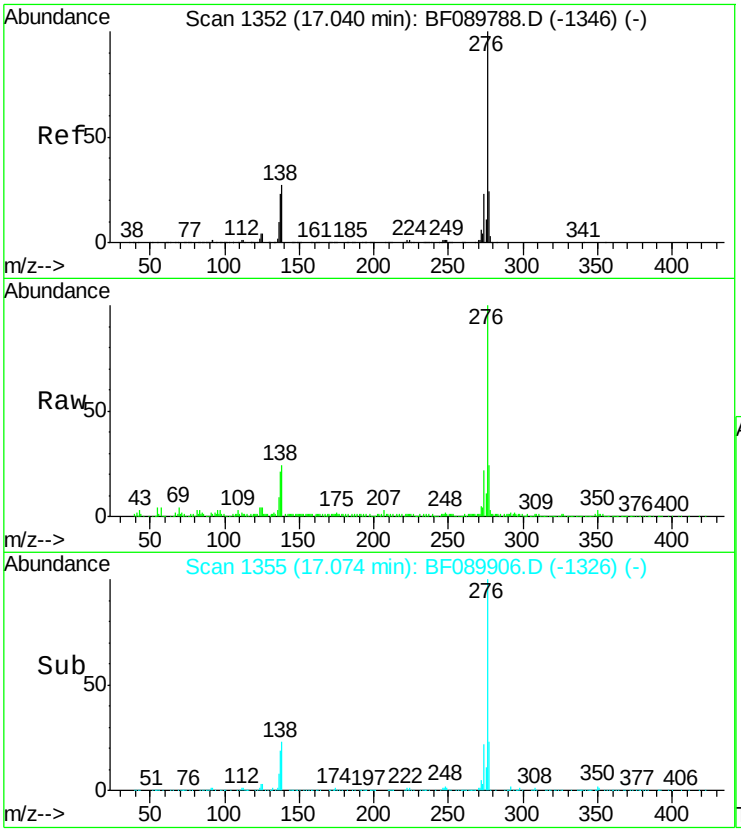


#89
Benzo(a)pyrene
Concen: 12.79 ng
RT: 15.34 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Tgt Ion:252 Resp: 710363

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	13.7	11.7	17.5





#91
Benzo(g,h,i)perylene
Concen: 6.94 ng
RT: 17.07 min Scan# 1355
Delta R.T. 0.03 min
Lab File: BF089906.D
Acq: 25 Aug 2016 6:51

Instrument :
BNA_F
ClientSampleId :
WC2-E-5-02

Tgt Ion:276 Resp: 440396

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	23.5	22.1	33.1