Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098004.D
Acq On : 24 Aug 2017 16:18
Operator : SJ/JU
Sample : I4774-03 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Quant Time: Aug 25 00:58:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

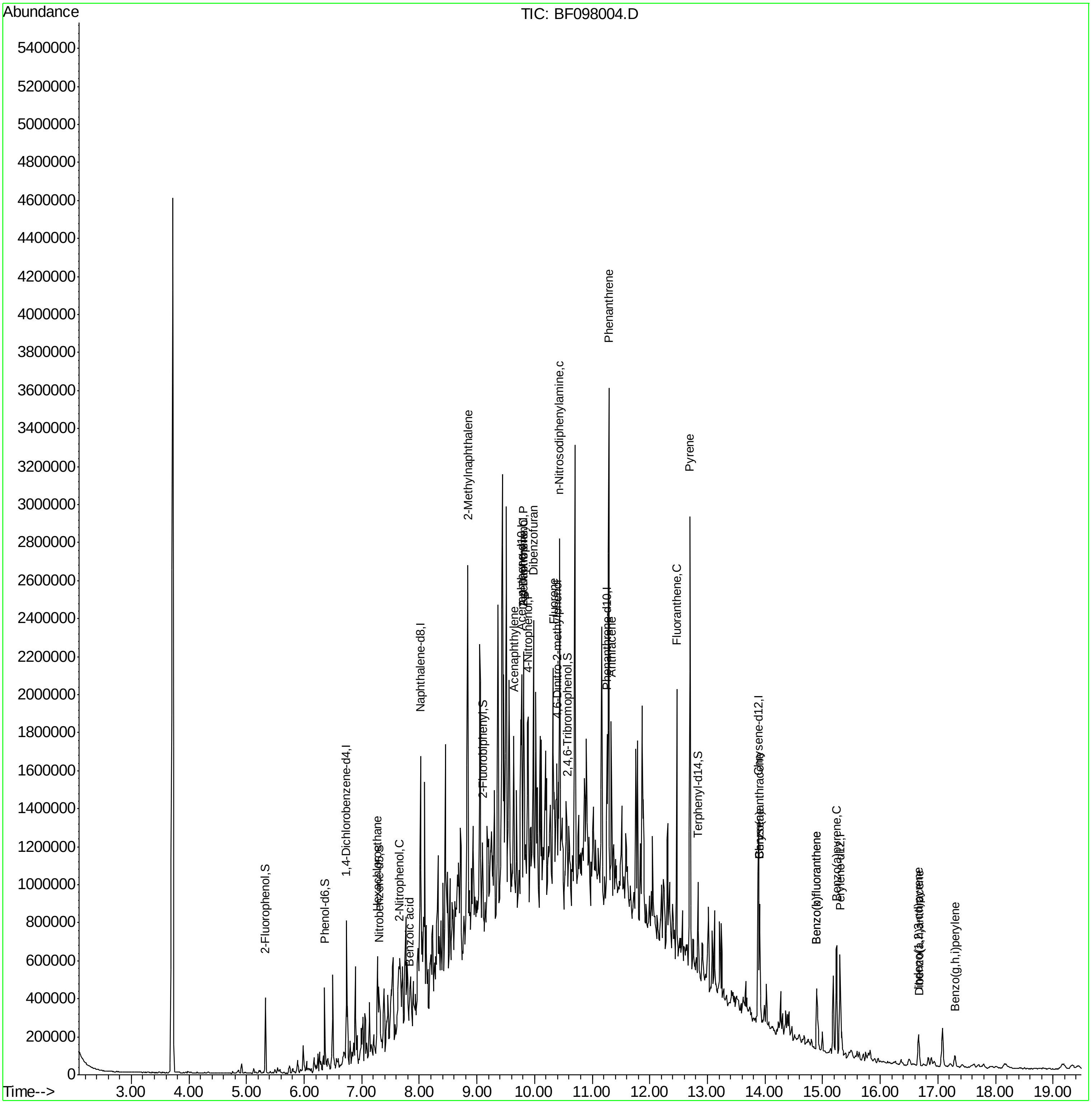
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	108076	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	412145	20.00	ng		-0.01
38) Acenaphthene-d10	9.77	164	186022	20.00	ng		-0.01
63) Phenanthrene-d10	11.26	188	369450	20.00	ng		0.00
75) Chrysene-d12	13.89	240	286638	20.00	ng		-0.01
86) Perylene-d12	15.30	264	240311	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	103606	14.58	ng		-0.02
7) Phenol-d6	6.36	99	138288	14.32	ng		-0.03
23) Nitrobenzene-d5	7.30	82	89754	11.83	ng		-0.02
41) 2,4,6-Tribromophenol	10.56	330	22791	14.12	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	131802	10.41	ng		-0.01
78) Terphenyl-d14	12.84	244	123847	9.01	ng		-0.01
Target Compounds							Qvalue
18) Hexachloroethane	7.27	117	21748	6.77	ng	#	1
26) 2-Nitrophenol	7.65	139	2395	5.95	ng	#	1
32) Benzoic acid	7.82	122	3141	6.97	ng	#	1
37) 2-Methylnaphthalene	8.84	142	559003	42.61	ng		95
48) Acenaphthylene	9.64	152	77090	3.92	ng	#	66
51) Acenaphthene	9.81	154	237730	19.15	ng		96
53) 2,4-Dinitrophenol	9.82	184	665	10.59	ng	#	1
54) Dibenzofuran	9.98	168	52881	3.18	ng	#	19
55) 4-Nitrophenol	9.88	139	26691	9.55	ng		76
57) Fluorene	10.32	166	244105	18.98	ng	#	97
64) 4,6-Dinitro-2-methylphenol	10.39	198	342	8.48	ng	#	1
65) n-Nitrosodiphenylamine	10.43	169	88432	7.03	ng		91
70) Phenanthrene	11.29	178	1133889	57.60	ng		99
71) Anthracene	11.33	178	340507	17.05	ng		98
74) Fluoranthene	12.47	202	505190	24.59	ng		100
77) Pyrene	12.70	202	1089419	46.47	ng		99
80) Benzo(a)anthracene	13.91	228	237770	13.84	ng		95
82) Chrysene	13.91	228	237770	13.91	ng		97
85) Indeno(1,2,3-cd)pyrene	16.67	276	104349	8.30	ng	#	89
87) Benzo(b)fluoranthene	14.90	252	234528	15.48	ng		99
88) Benzo(k)fluoranthene	14.90	252	234528	16.48	ng		97
89) Benzo(a)pyrene	15.24	252	246226	18.36	ng		97
90) Dibenzo(a,h)anthracene	16.68	278	26419	2.42	ng		96
91) Benzo(g,h,i)perylene	17.30	276	48671	4.27	ng		93

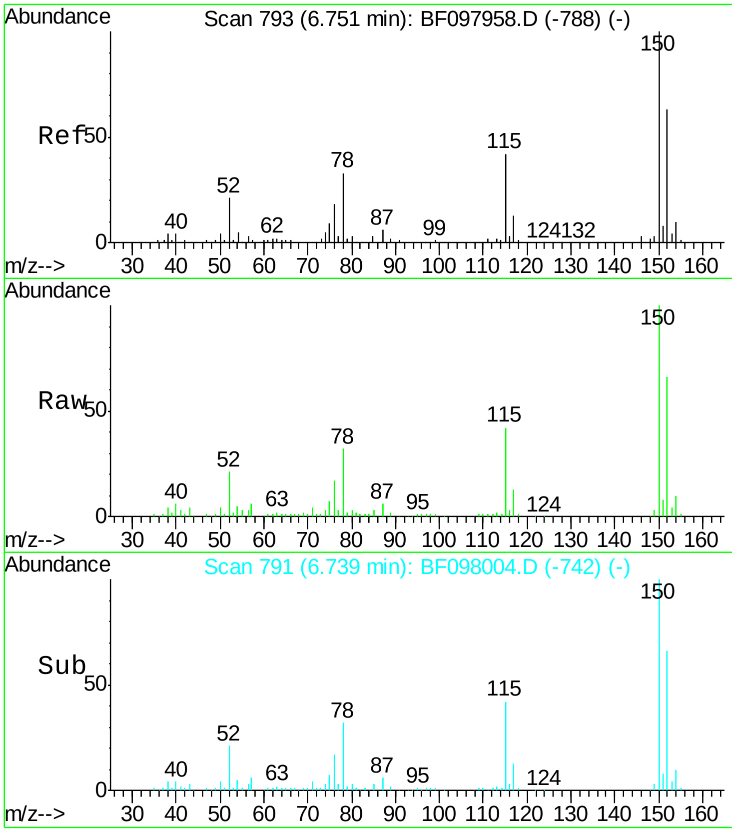
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098004.D
Acq On : 24 Aug 2017 16:18
Operator : SJ/JU
Sample : I4774-03 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Quant Time: Aug 25 00:58:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



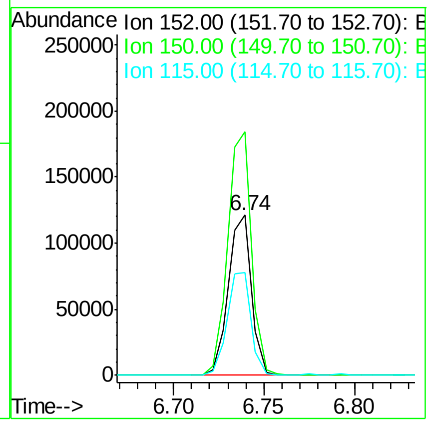


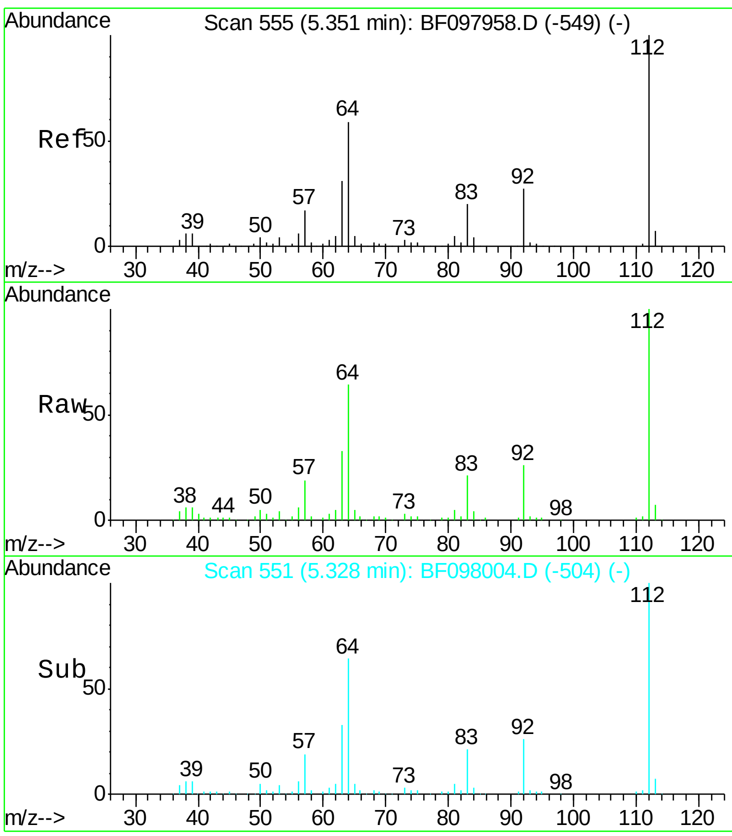
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument : BNA_F
ClientSampleId : HY-MW115-SO

Tgt Ion:152 Resp: 108076

Ion	Ratio	Lower	Upper
152	100		
150	152.4	126.2	189.2
115	64.0	52.2	78.2

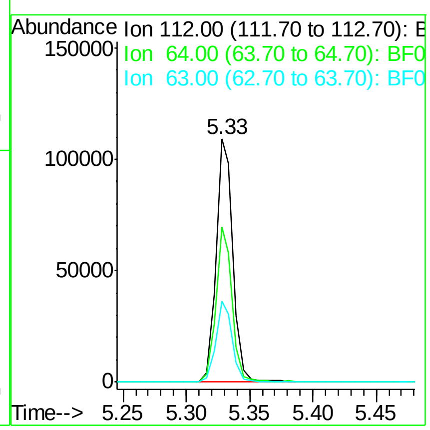


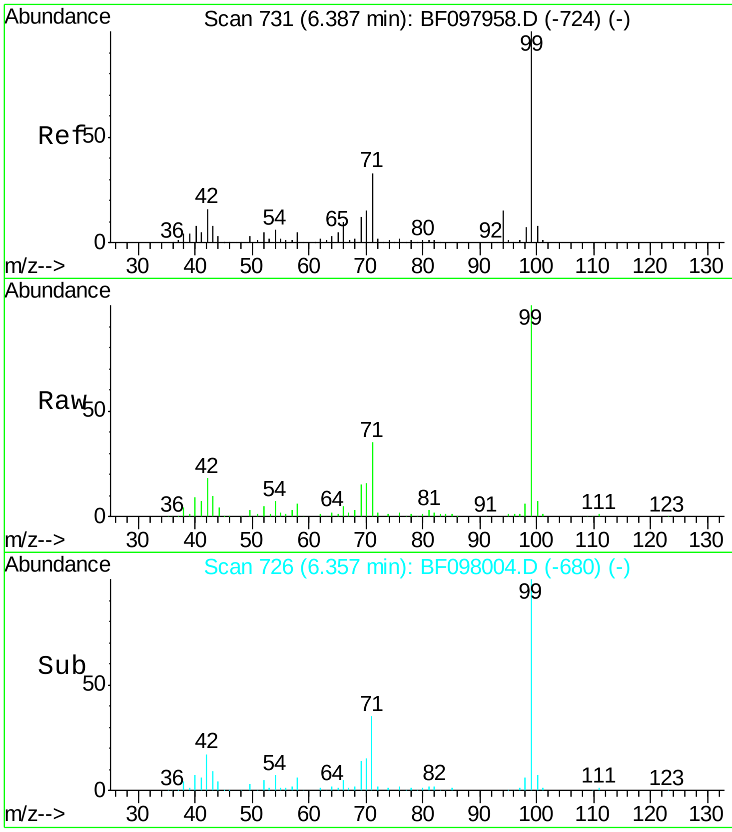


#5
2-Fluorophenol
Concen: 14.58 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:112 Resp: 103606

Ion	Ratio	Lower	Upper
112	100		
64	64.0	46.0	69.0
63	33.4	23.4	35.0



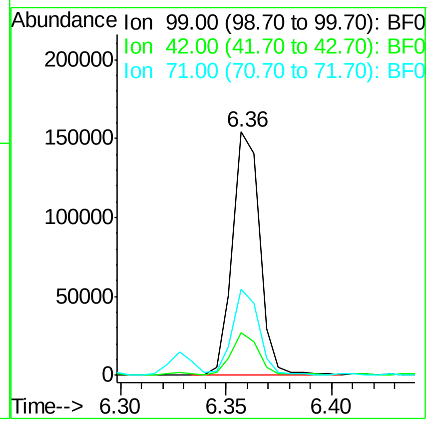


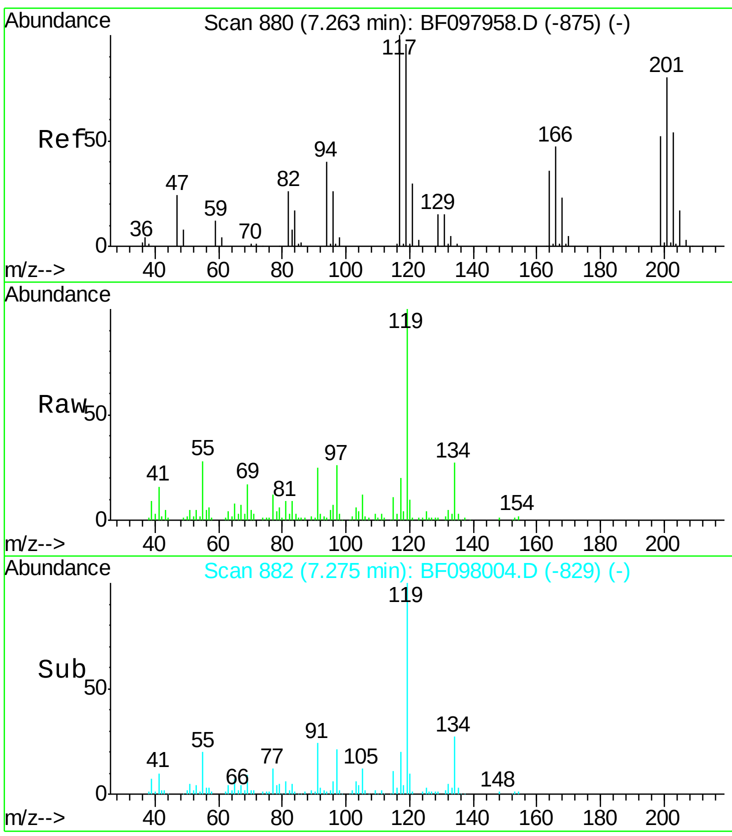
#7
Phenol-d6
Concen: 14.32 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion: 99 Resp: 138288

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	35.3	24.5	36.7

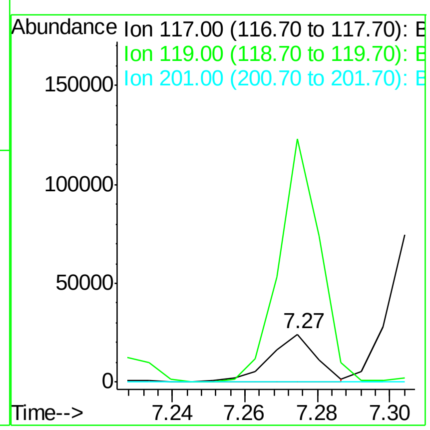


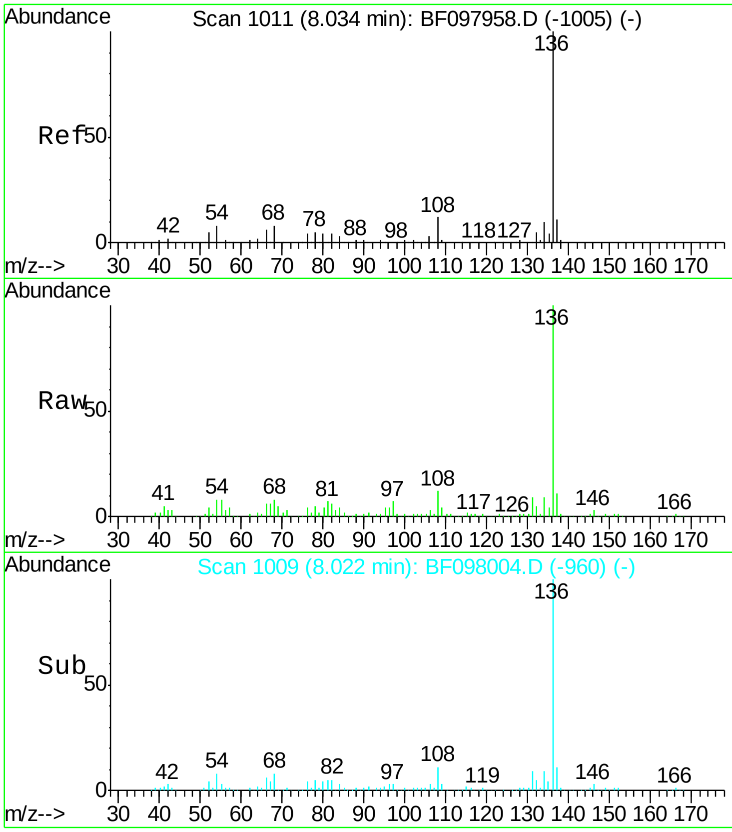


#18
Hexachloroethane
Concen: 6.77 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:117 Resp: 21748

Ion	Ratio	Lower	Upper
117	100		
119	503.1	77.4	116.0#
201	0.0	94.6	141.8#



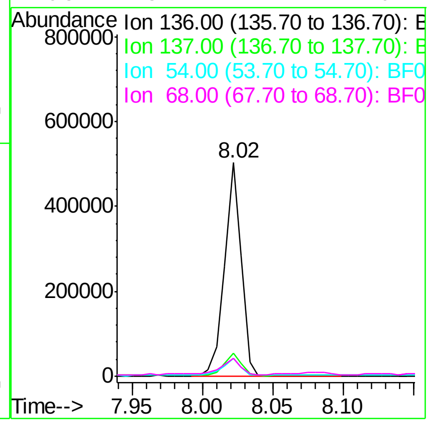


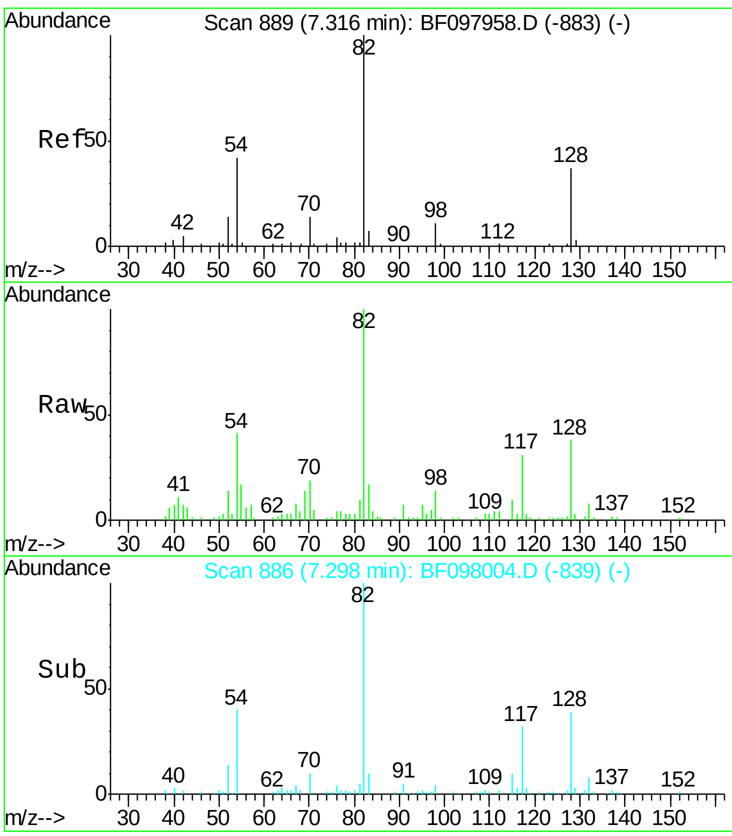
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:136 Resp: 412145

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	8.2	4.9	7.3#
68	8.4	4.1	6.1#

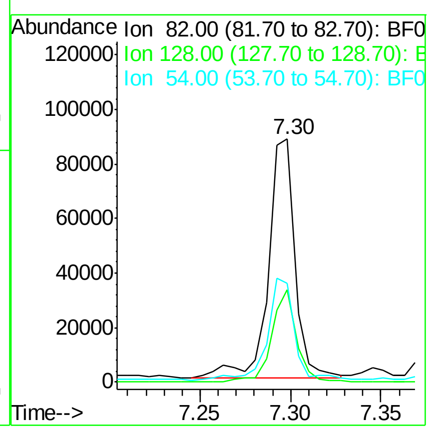




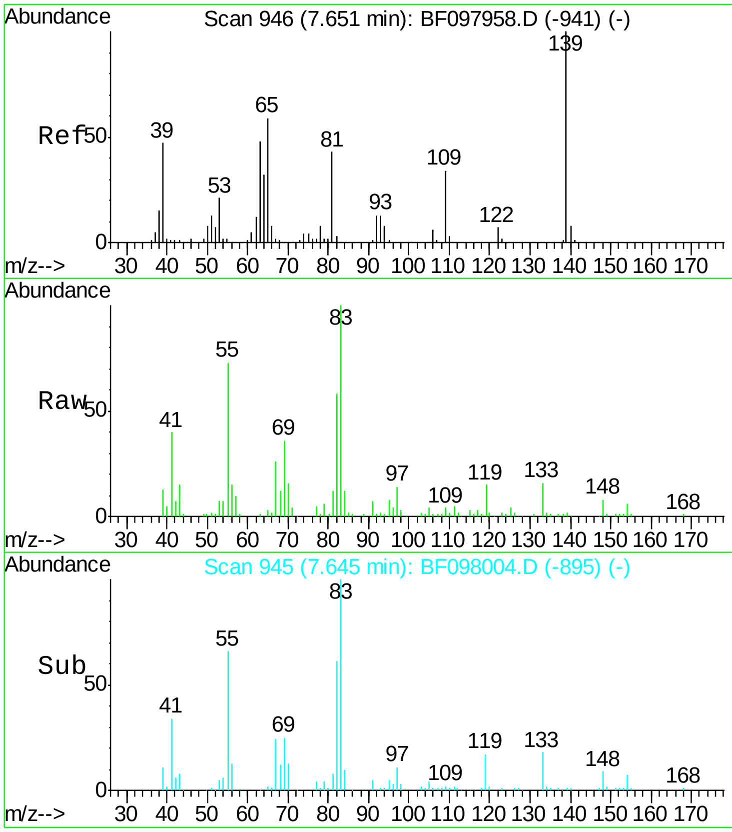
#23
Nitrobenzene-d5
Concen: 11.83 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion: 82 Resp: 89754

Ion	Ratio	Lower	Upper
82	100		
128	38.0	34.0	51.0
54	40.6	42.2	63.2#



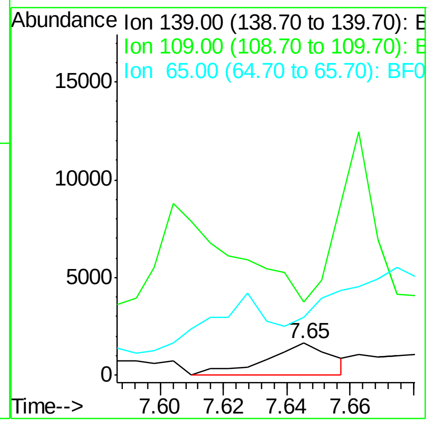
Instrument : BNA_F
ClientSampleId : HY-MW115-SO

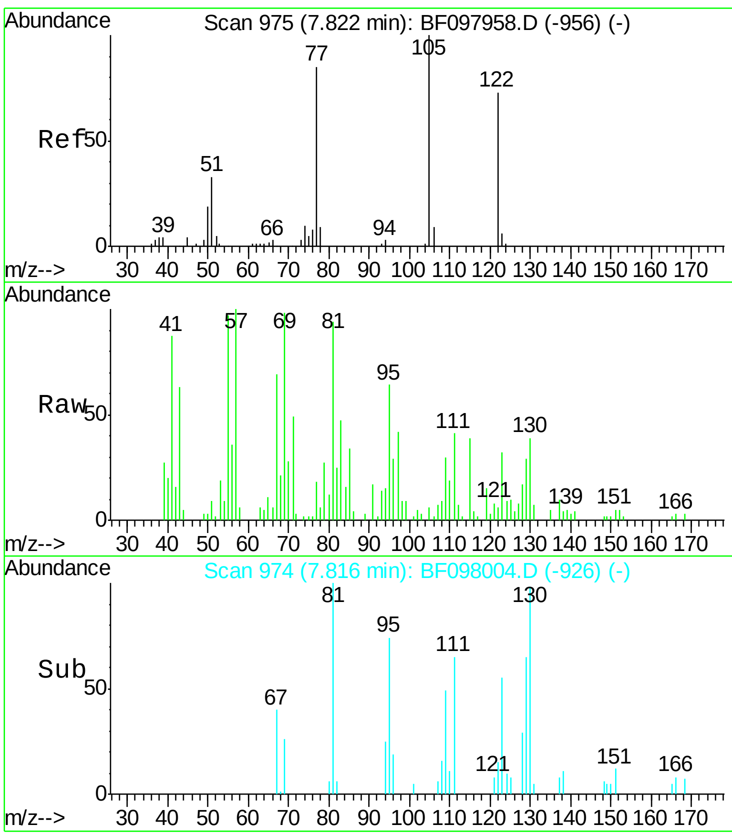


#26
2-Nitrophenol
Concen: 5.95 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:139 Resp: 2395

Ion	Ratio	Lower	Upper
139	100		
109	226.2	21.0	31.6#
65	180.8	33.0	49.6#

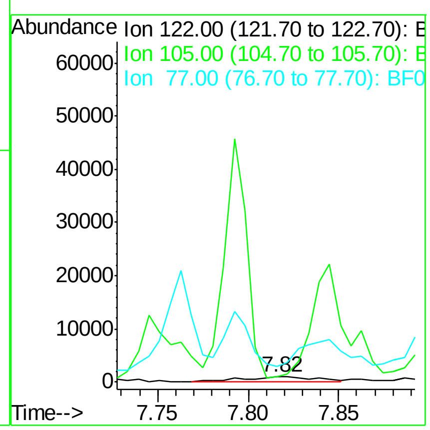


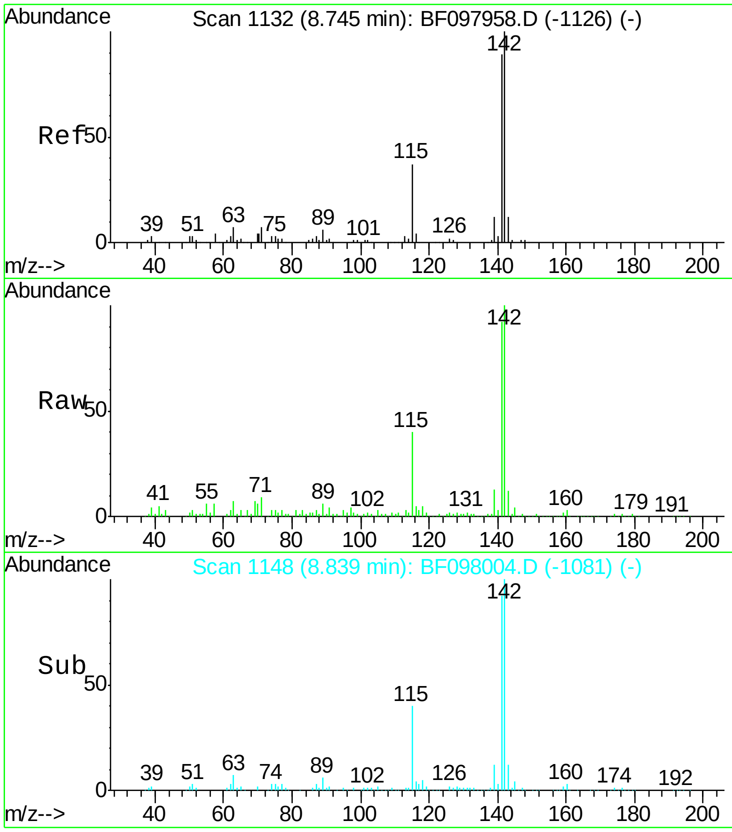


#32
Benzoic acid
Concen: 6.97 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:122 Resp: 3141

Ion	Ratio	Lower	Upper
122	100		
105	94.8	103.3	143.3#
77	297.8	73.7	113.7#



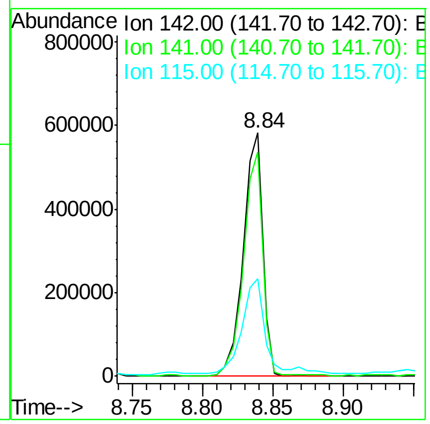


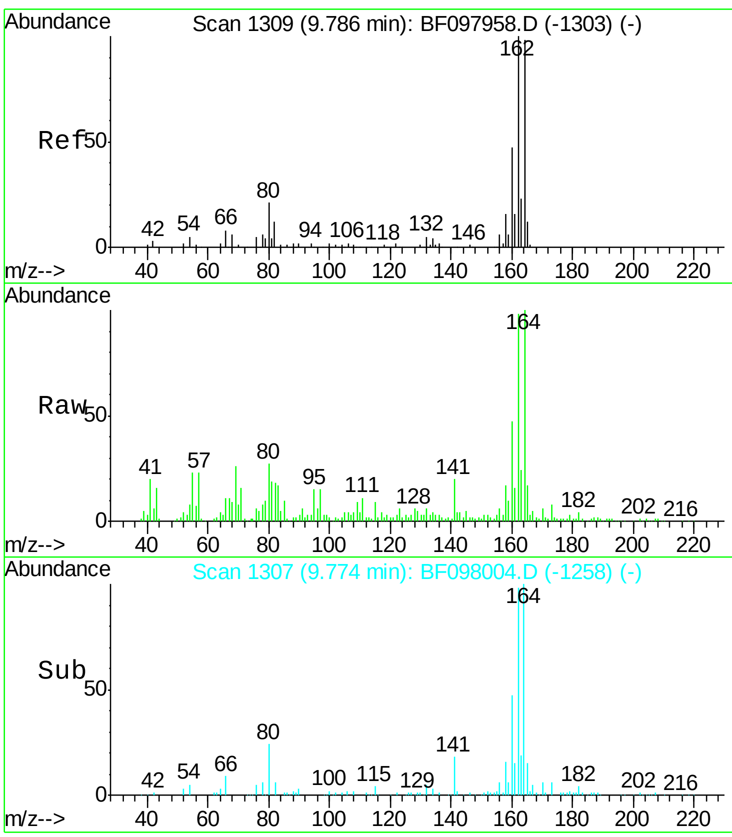
#37
2-Methylnaphthalene
Concen: 42.61 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.09 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument : BNA_F
ClientSampleId : HY-MW115-SO

Tgt Ion:142 Resp: 559003

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.3	106.9
115	40.0	27.1	40.7

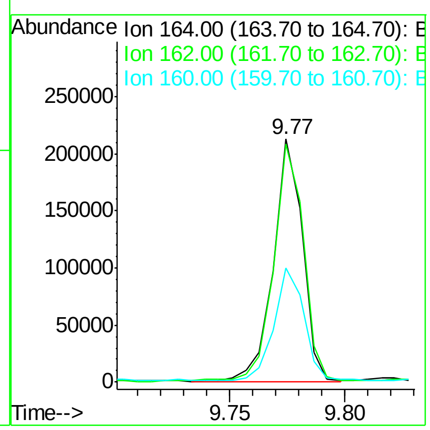


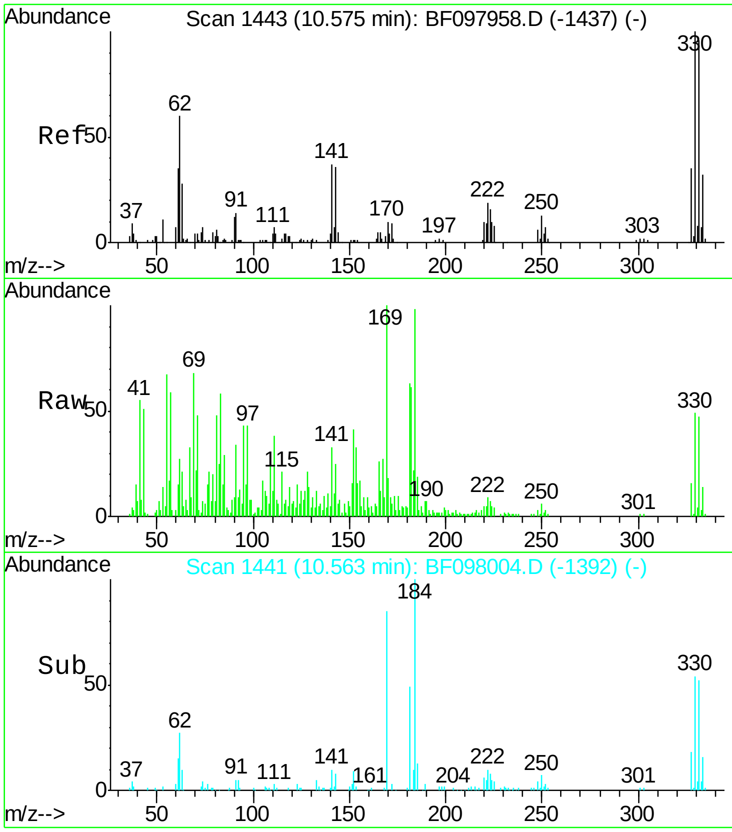


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:164 Resp: 186022

Ion	Ratio	Lower	Upper
164	100		
162	98.2	82.6	123.8
160	47.2	36.2	54.2



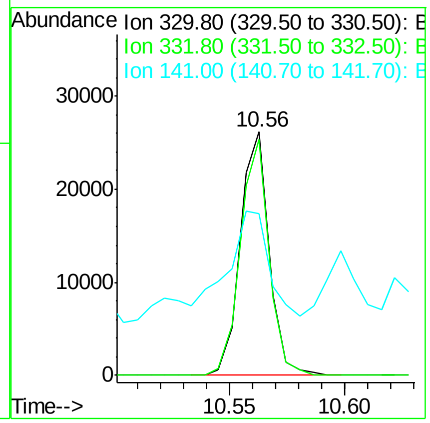


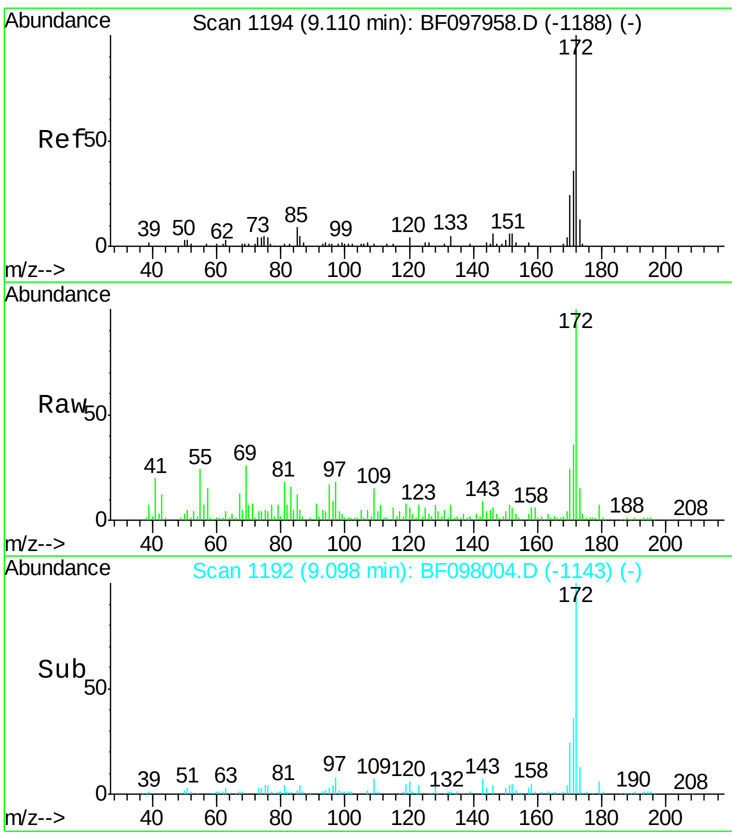
#41
2,4,6-Tribromophenol
Concen: 14.12 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:330 Resp: 22791

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	81.8	31.4	47.2#

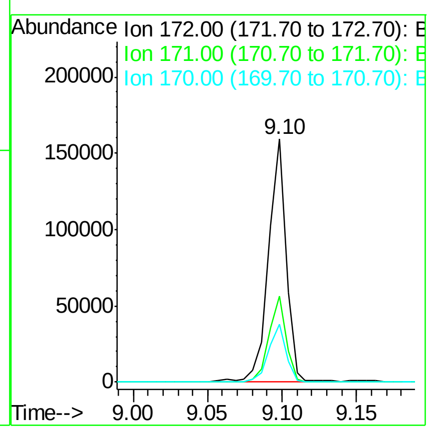


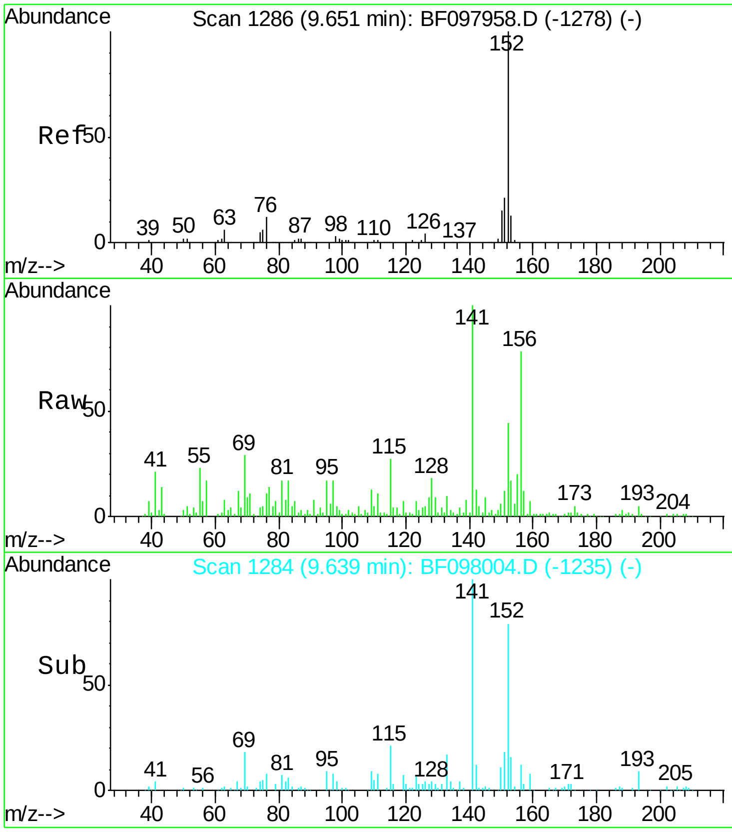


#44
2-Fluorobiphenyl
Concen: 10.41 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:172 Resp: 131802

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.9	19.8	29.8



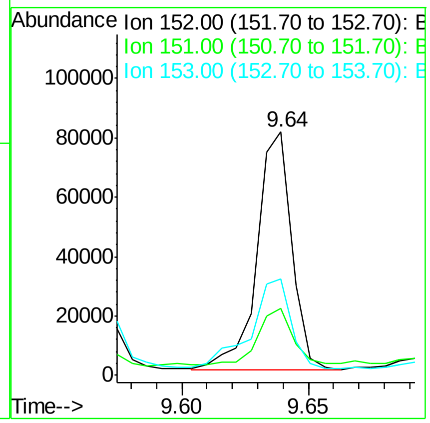


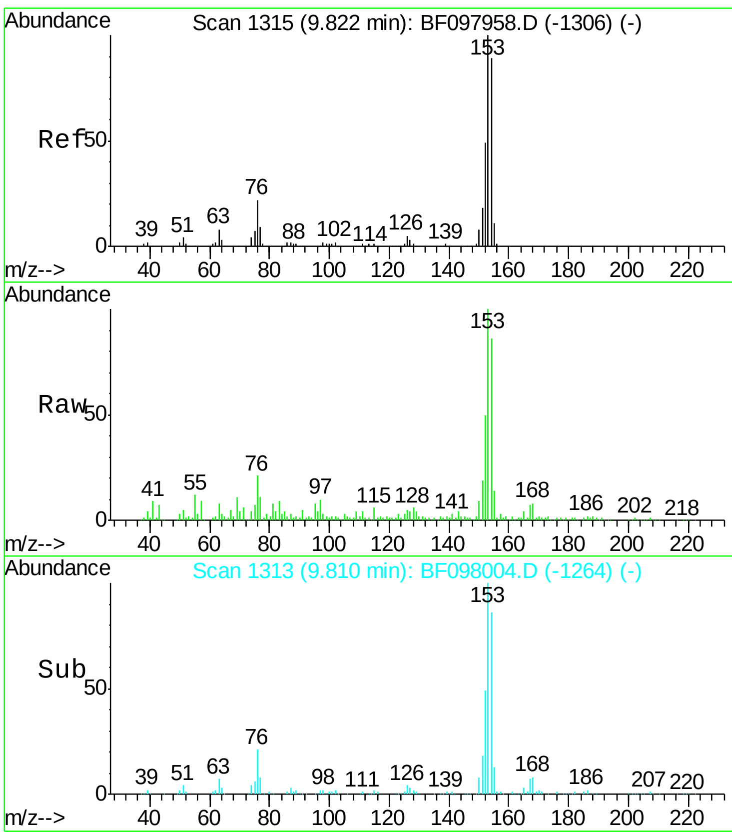
#48
Acenaphthylene
Concen: 3.92 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:152 Resp: 77090

Ion	Ratio	Lower	Upper
152	100		
151	27.3	16.8	25.2#
153	39.5	10.8	16.2#

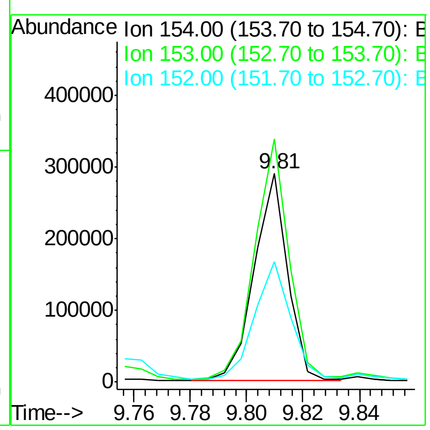


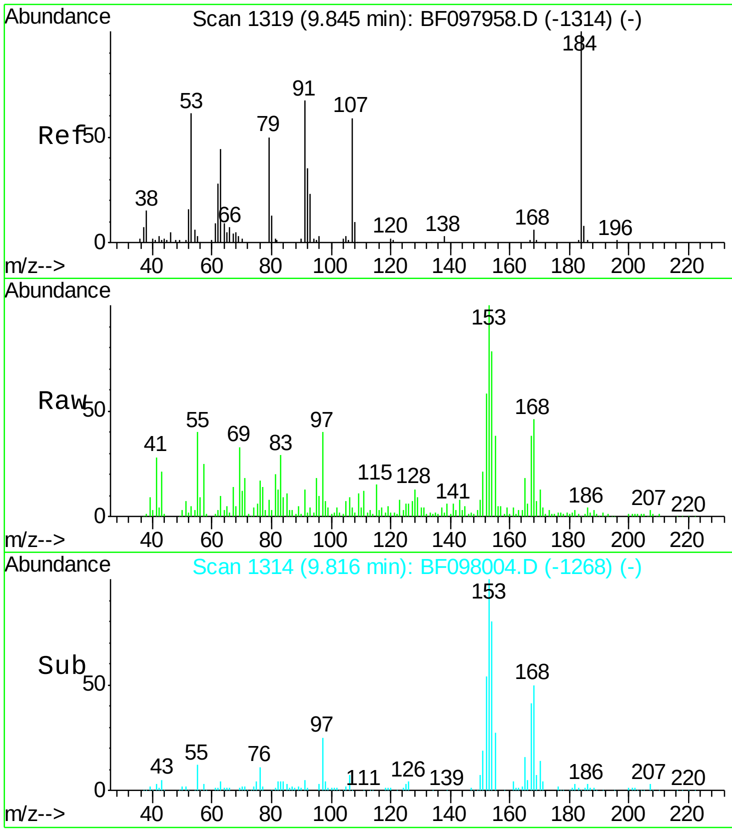


#51
Acenaphthene
Concen: 19.15 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:154 Resp: 237730

Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.5	135.7
152	58.0	43.6	65.4



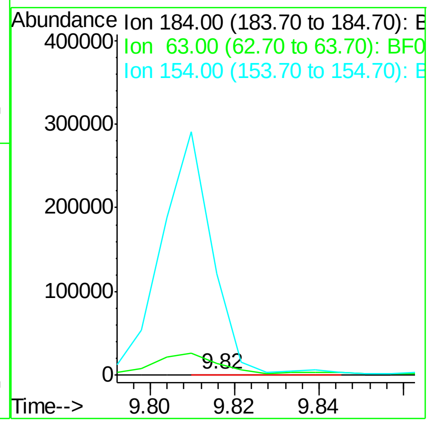


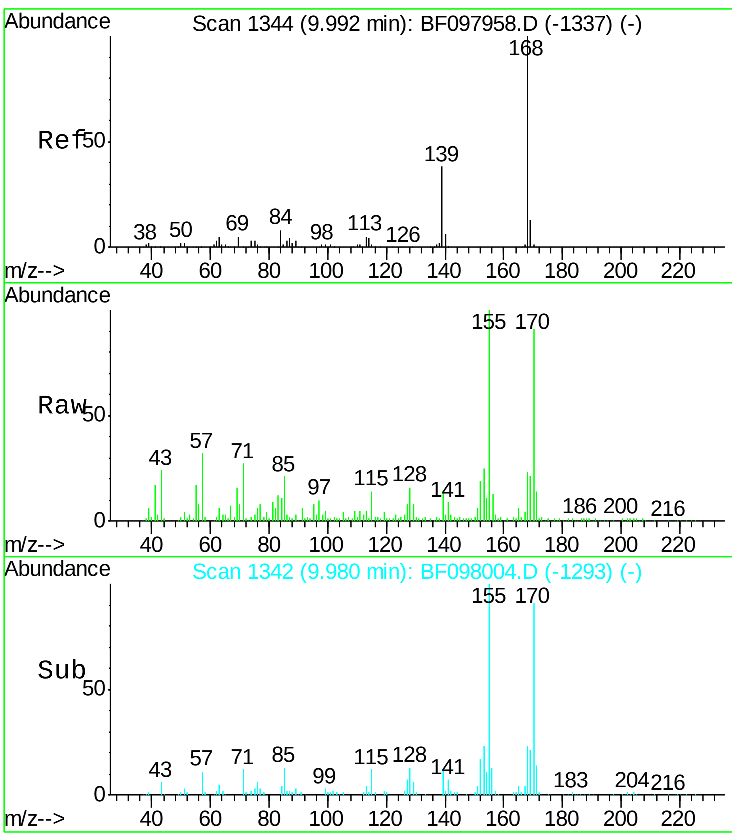
#53
2,4-Dinitrophenol
Concen: 10.59 ng
RT: 9.82 min   Scan# 1314
Delta R.T.   -0.03 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:184 Resp: 665

Ion	Ratio	Lower	Upper
184	100		
63	3228.1	62.7	94.1#
154	26070.0	81.1	121.7#

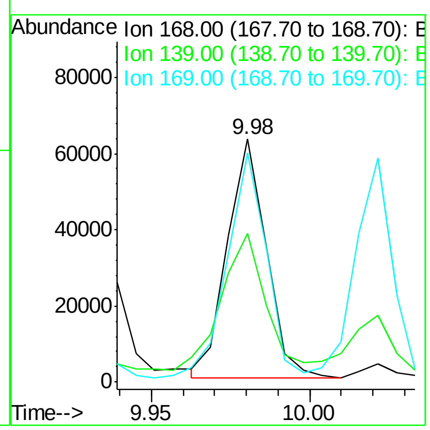


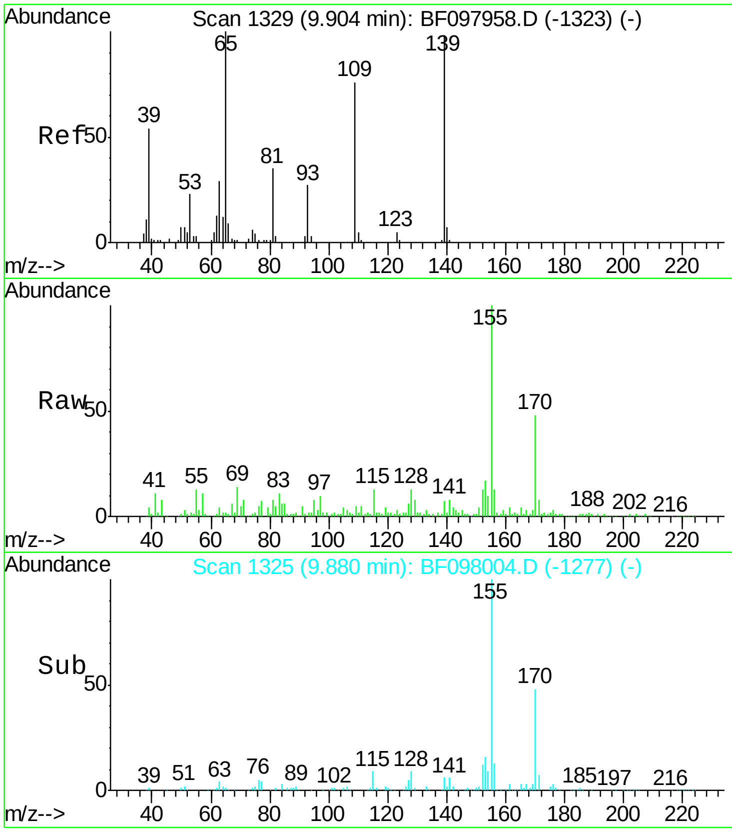


#54
Dibenzofuran
Concen: 3.18 ng
RT: 9.98 min   Scan# 1342
Delta R.T.   -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Tgt Ion:168 Resp: 52881

Ion	Ratio	Lower	Upper
168	100		
139	61.3	30.6	45.8#
169	94.4	10.8	16.2#

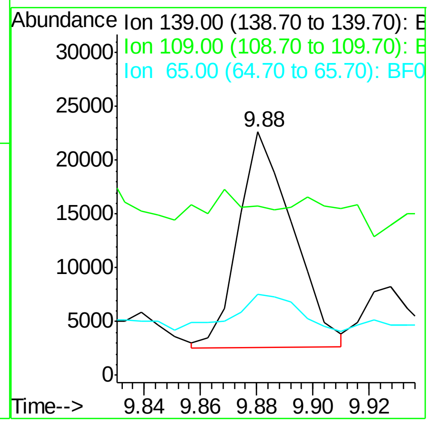


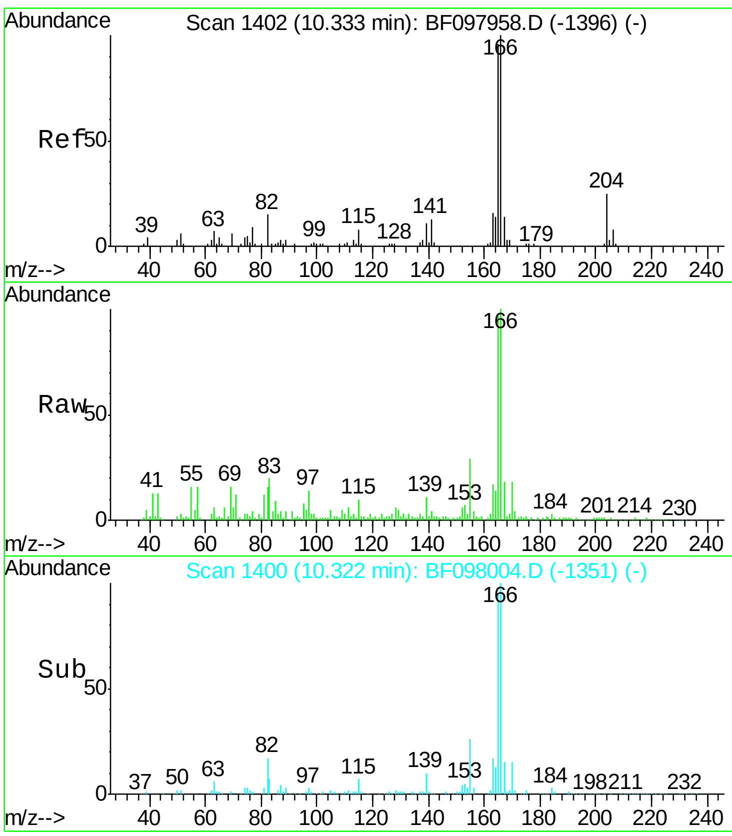


#55
4-Nitrophenol
Concen: 9.55 ng
RT: 9.88 min   Scan# 1325
Delta R.T.   -0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

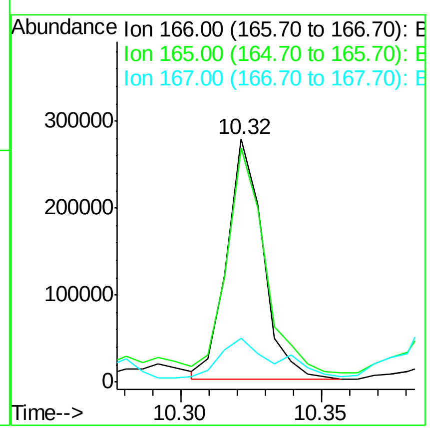
Tgt Ion:139	Resp:		26691
Ion	Ratio	Lower	Upper
139	100		
109	69.8	34.1	74.1
65	33.5	31.4	71.4

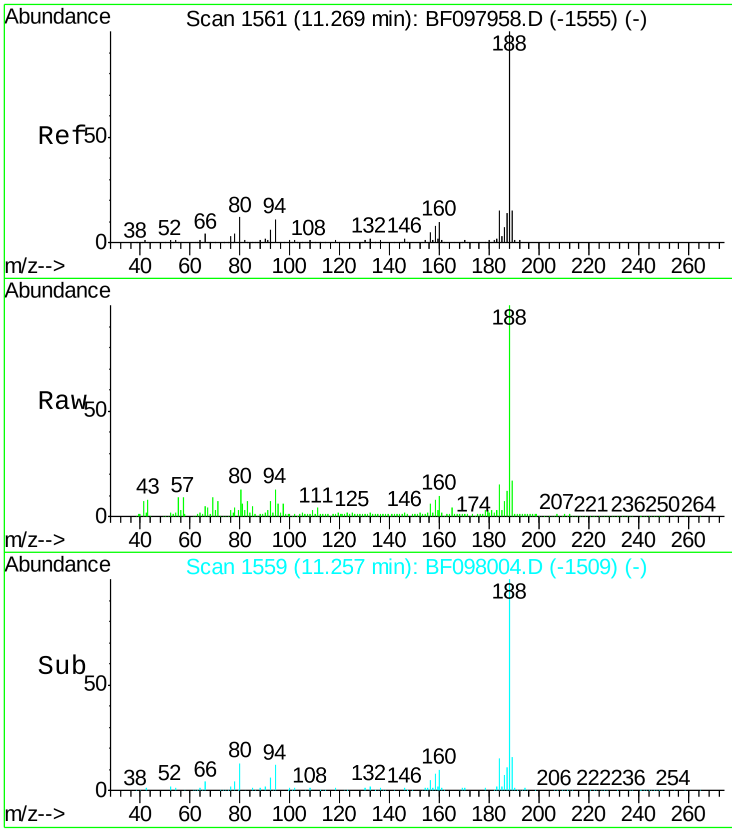




#57
Fluorene
Concen: 18.98 ng
RT: 10.32 min   Scan# 1400
Delta R.T.   -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Tgt Ion:166	Resp:		244105
Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.8	118.2
167	18.1	10.6	16.0#

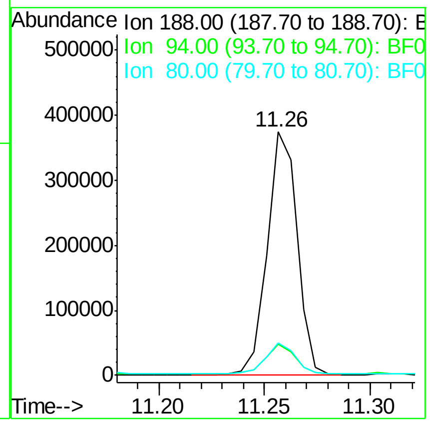


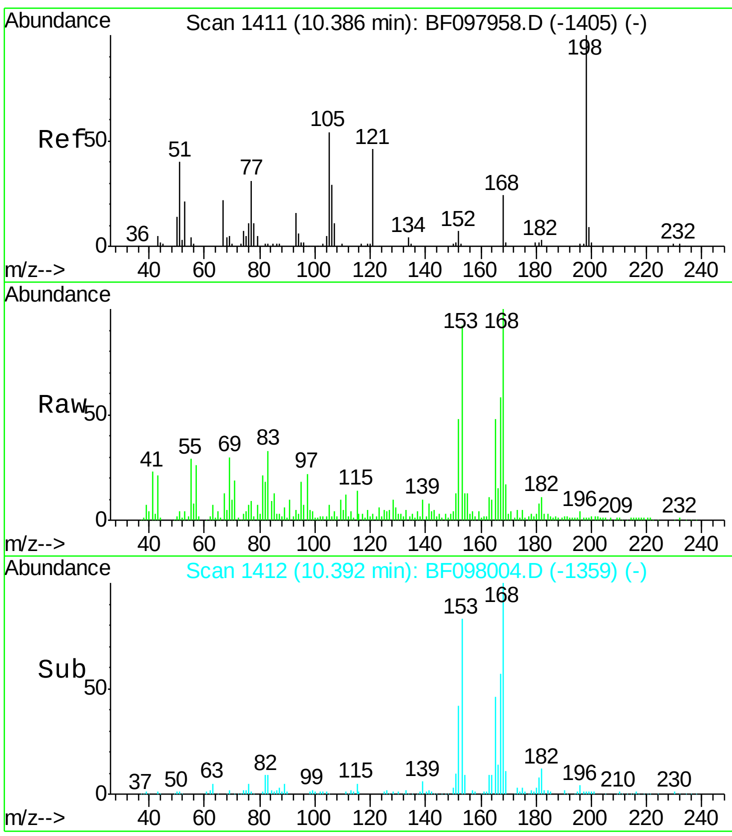


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min   Scan# 1559
Delta R.T.   -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

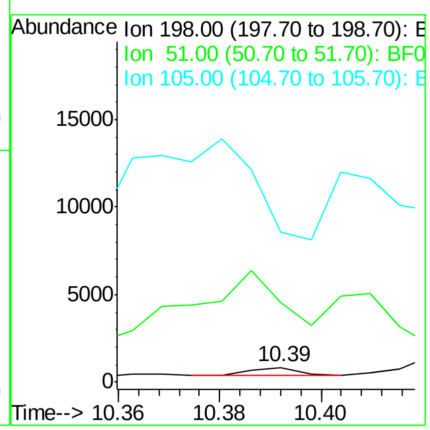
Tgt Ion:188	Resp:	369450	
Ion	Ratio	Lower	Upper
188	100		
94	12.7	9.4	14.2
80	13.4	10.2	15.2

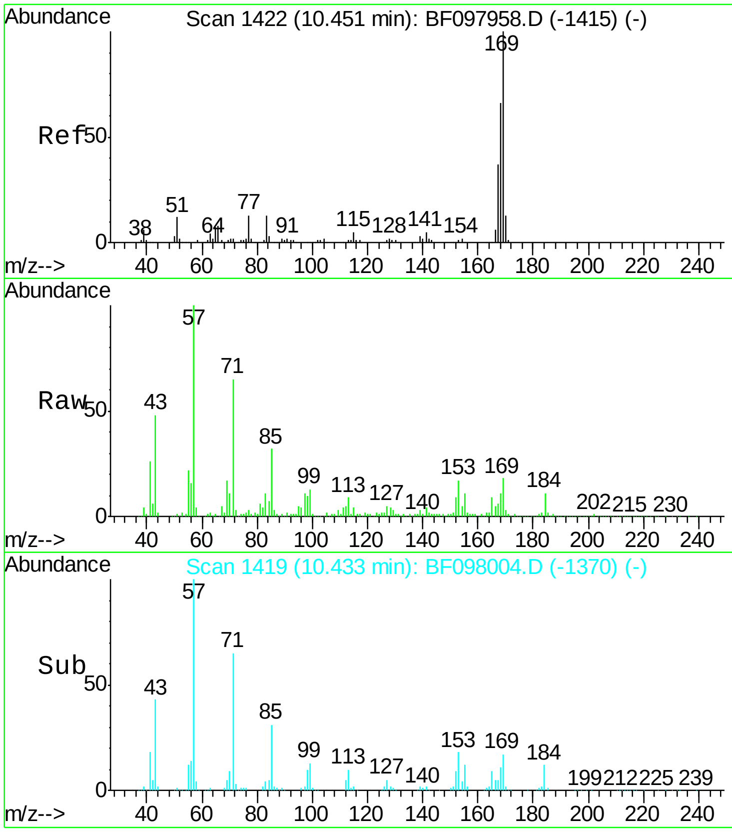




#64
4,6-Dinitro-2-methylphenol
Concen: 8.48 ng
RT: 10.39 min   Scan# 1412
Delta R.T.   0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Tgt Ion:198	Resp:	342	
Ion	Ratio	Lower	Upper
198	100		
51	539.9	53.2	93.2#
105	1024.0	45.8	85.8#

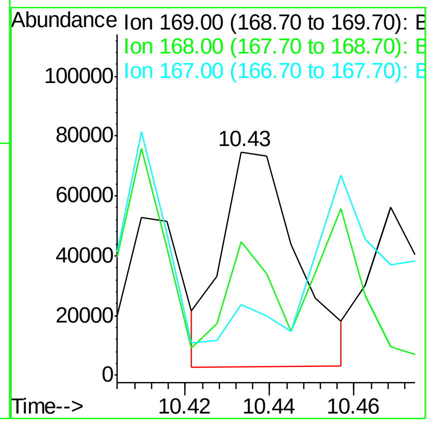


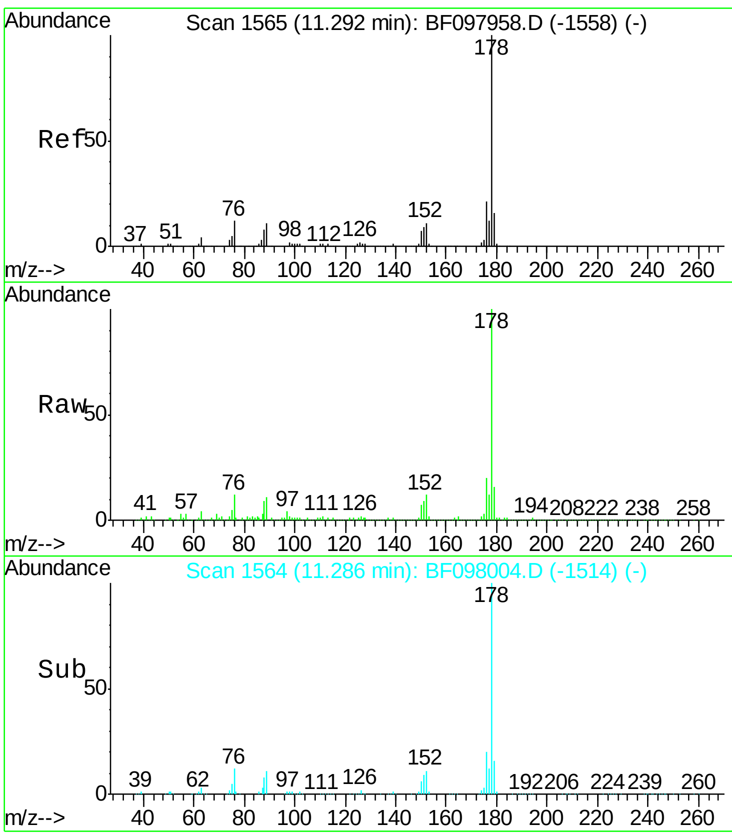


#65
n-Nitrosodiphenylamine
Concen: 7.03 ng
RT: 10.43 min   Scan# 1419
Delta R.T.   -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

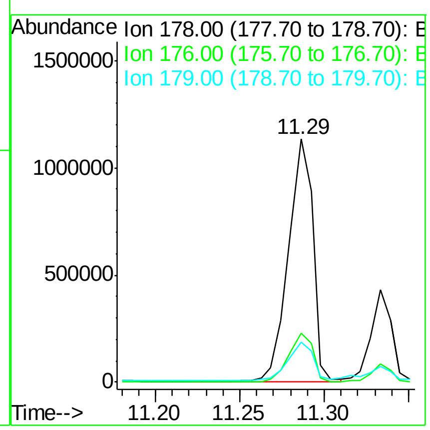
Tgt Ion:169	Resp:	88432	
Ion	Ratio	Lower	Upper
169	100		
168	59.5	53.2	79.8
167	31.7	29.5	44.3

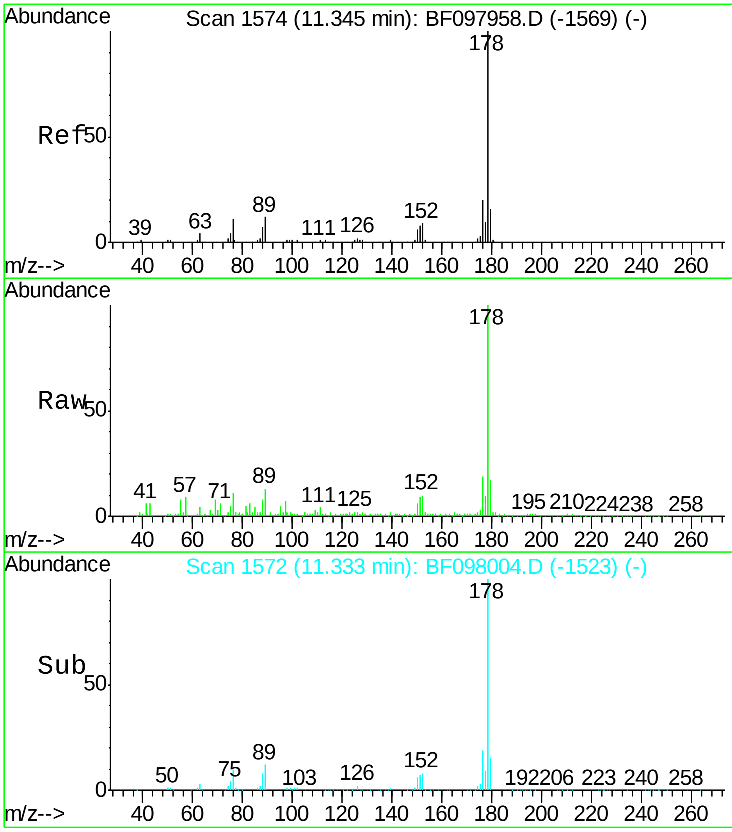




#70
Phenanthrene
Concen: 57.60 ng
RT: 11.29 min   Scan# 1564
Delta R.T.   -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Tgt Ion:178	Resp:	1133889	
Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	16.5	12.6	19.0



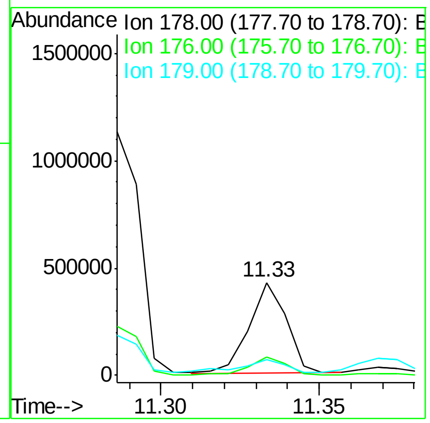


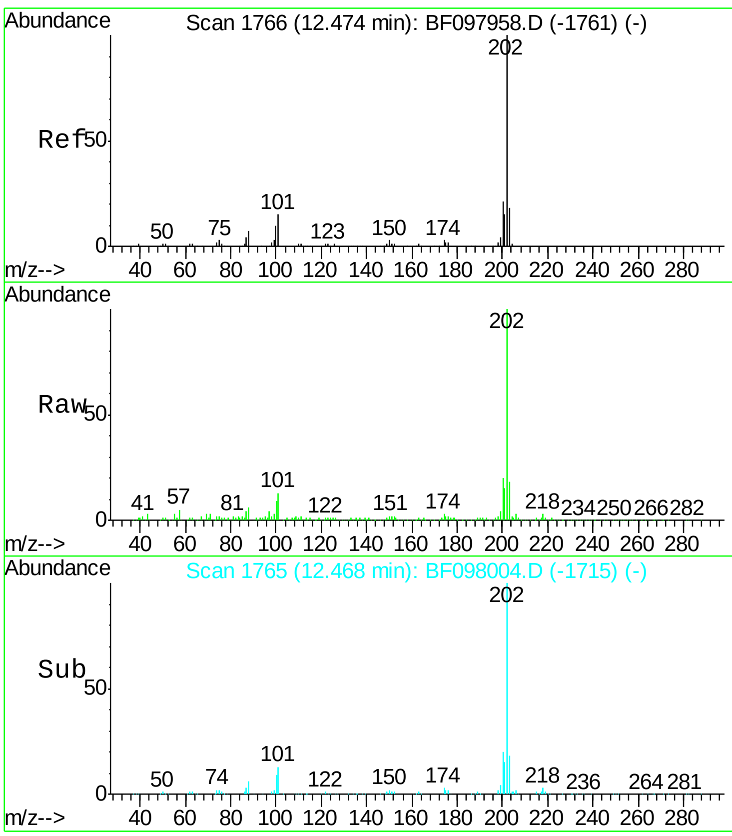
#71
Anthracene
Concen: 17.05 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:178 Resp: 340507

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.7	12.7	19.1

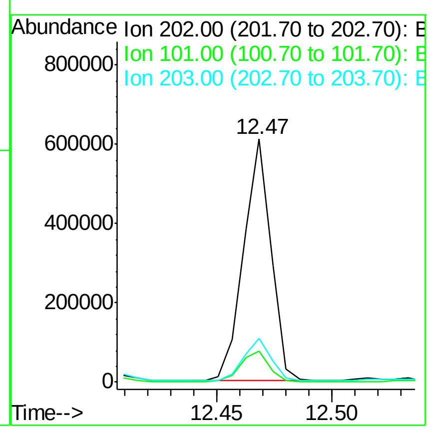


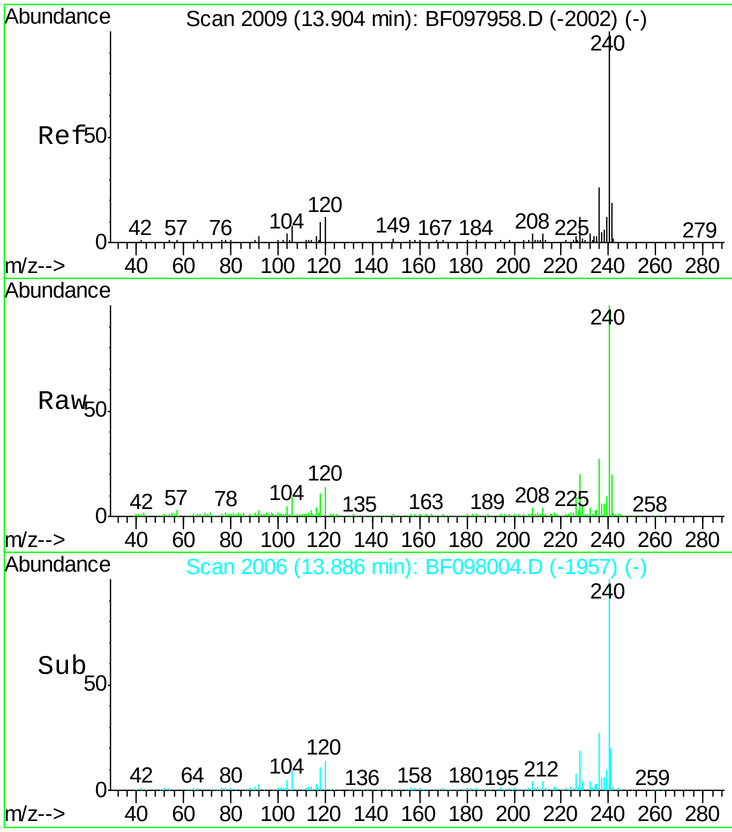


#74
Fluoranthene
Concen: 24.59 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:202 Resp: 505190

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.9	0.0	38.1



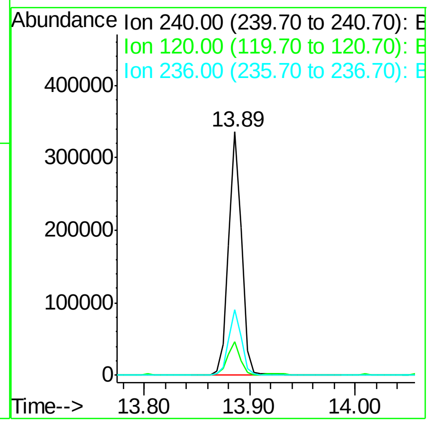


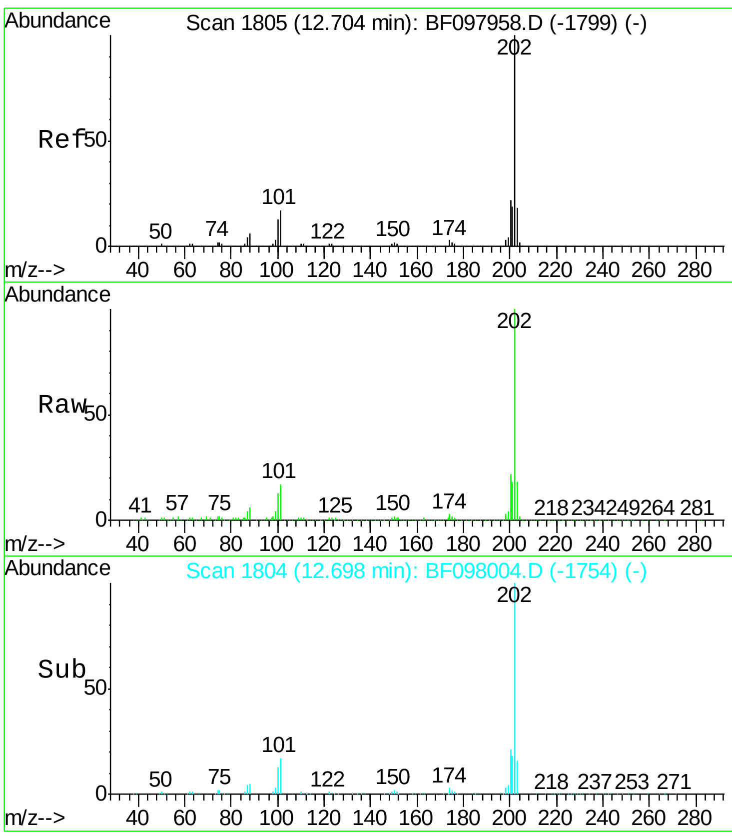
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:240 Resp: 286638

Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	27.0	20.5	30.7

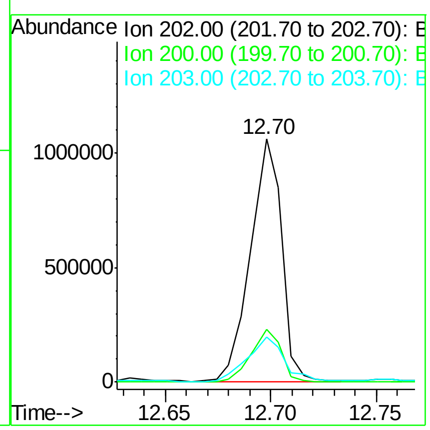


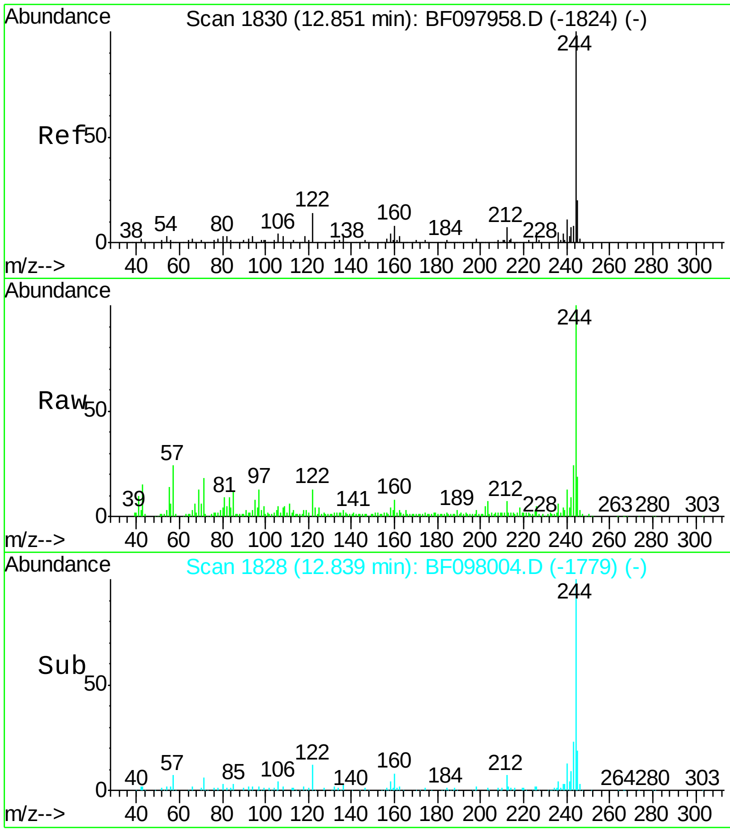


#77
Pyrene
Concen: 46.47 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:202 Resp: 1089419

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.3	14.4	21.6



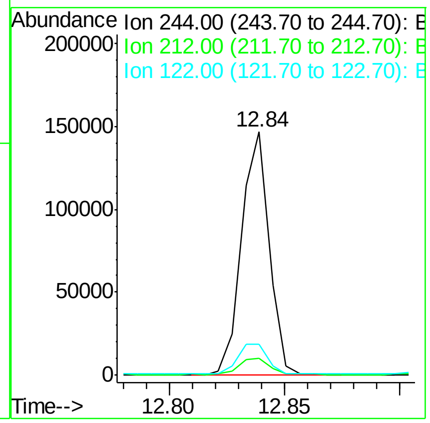


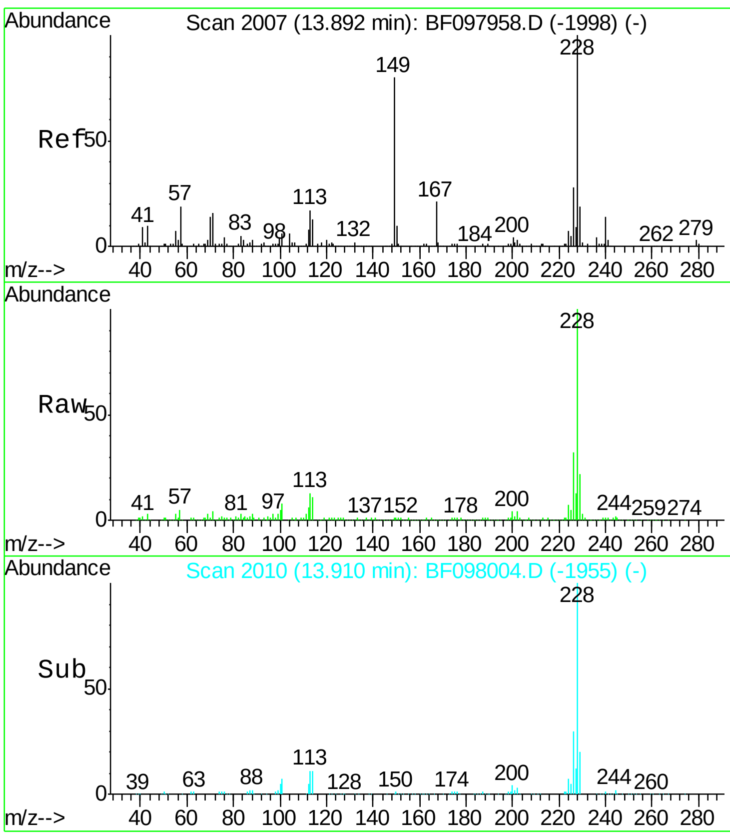
#78
Terphenyl-d14
Concen: 9.01 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:244 Resp: 123847

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.6	10.3	15.5

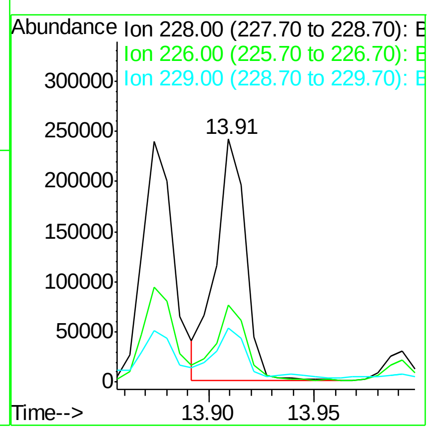


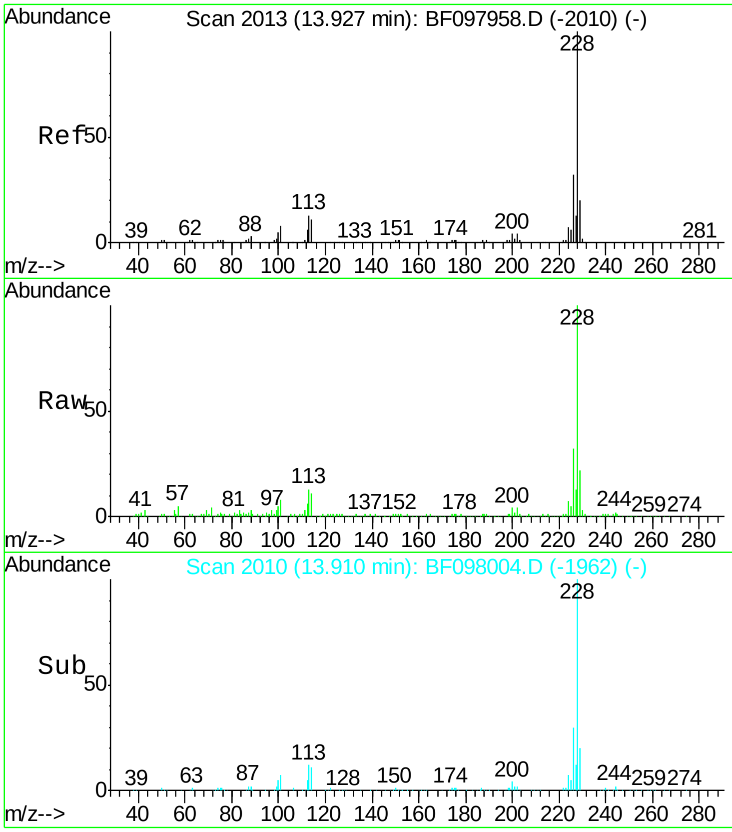


#80
Benzo(a)anthracene
Concen: 13.84 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:228 Resp: 237770

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	22.3	16.3	24.5



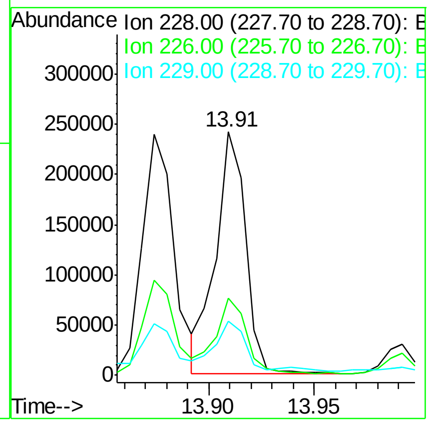


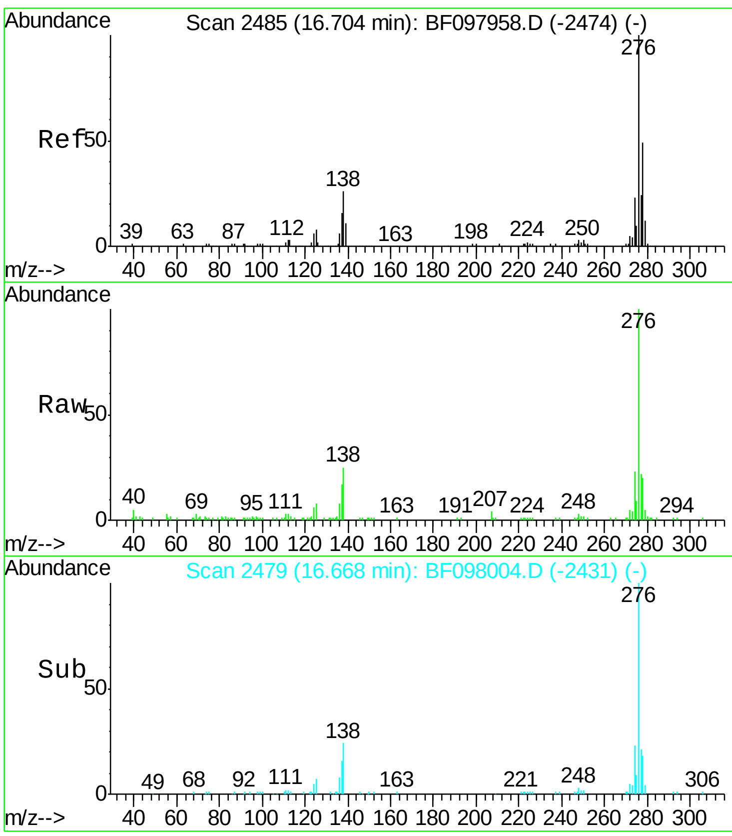
#82
Chrysene
Concen: 13.91 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:228 Resp: 237770

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	22.3	15.8	23.6

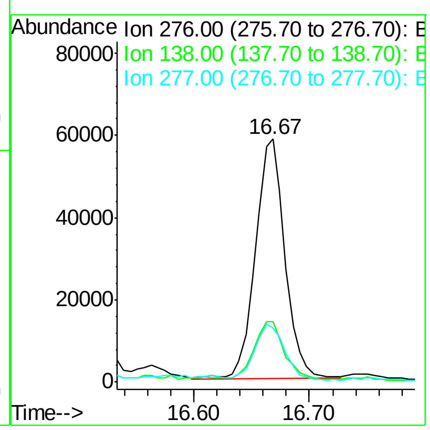


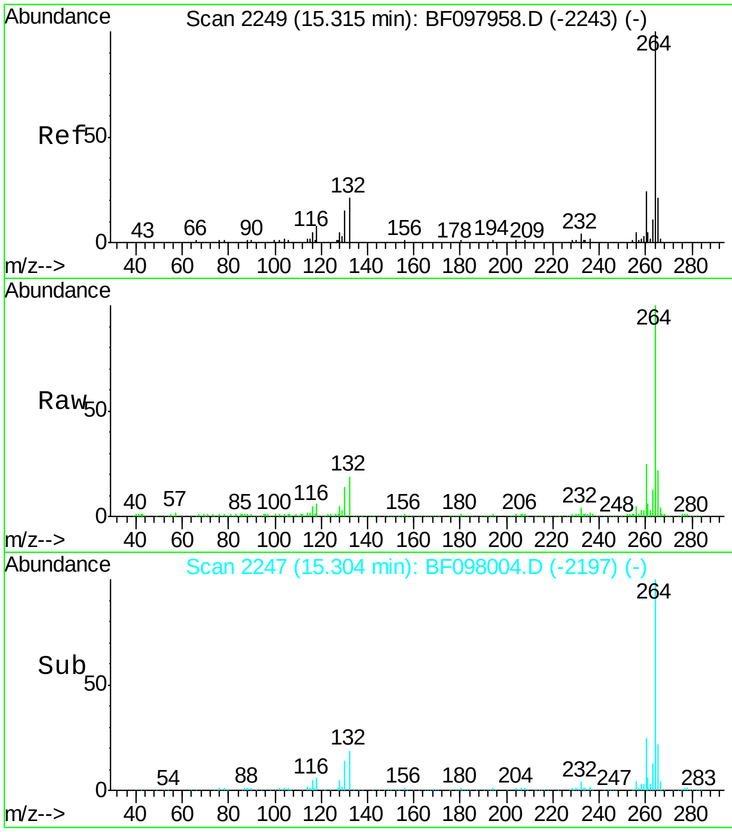


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.30 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.02 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:276 Resp: 104349

Ion	Ratio	Lower	Upper
276	100		
138	24.8	27.8	41.6#
277	24.0	20.2	30.4



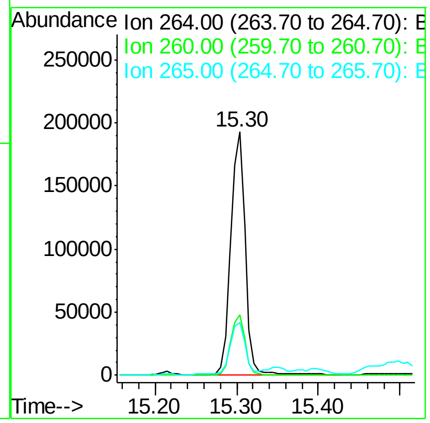


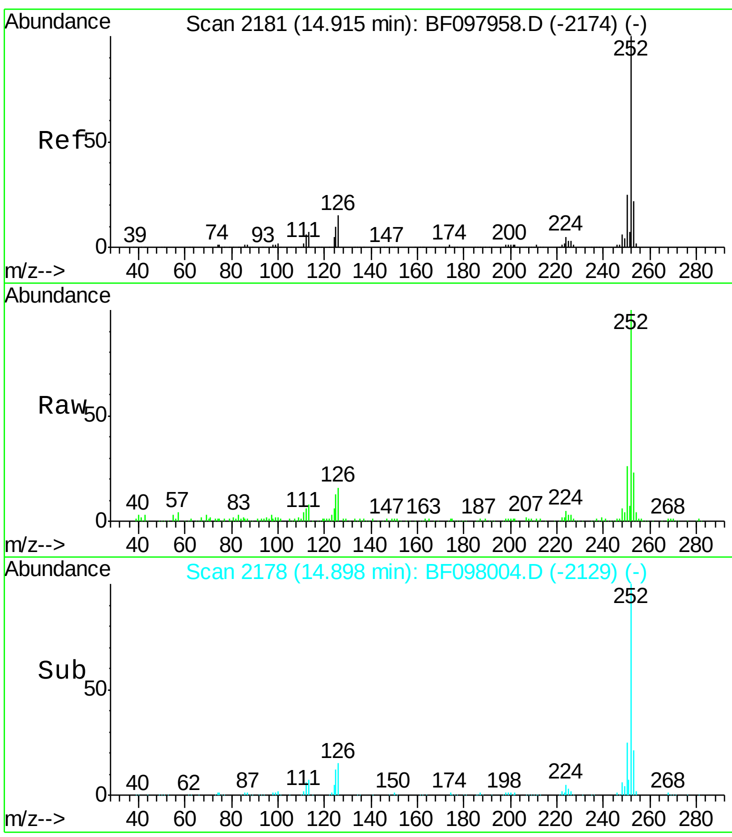
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument : BNA_F
ClientSampleId : HY-MW115-SO

Tgt Ion:264 Resp: 240311

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.8	17.2	25.8

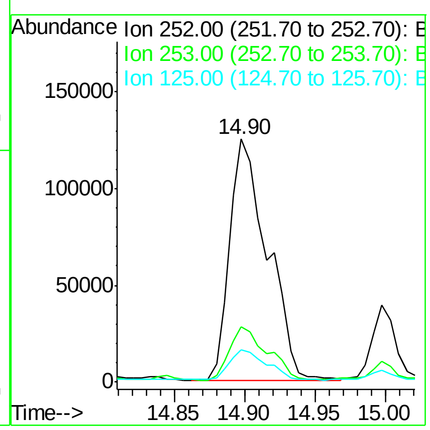


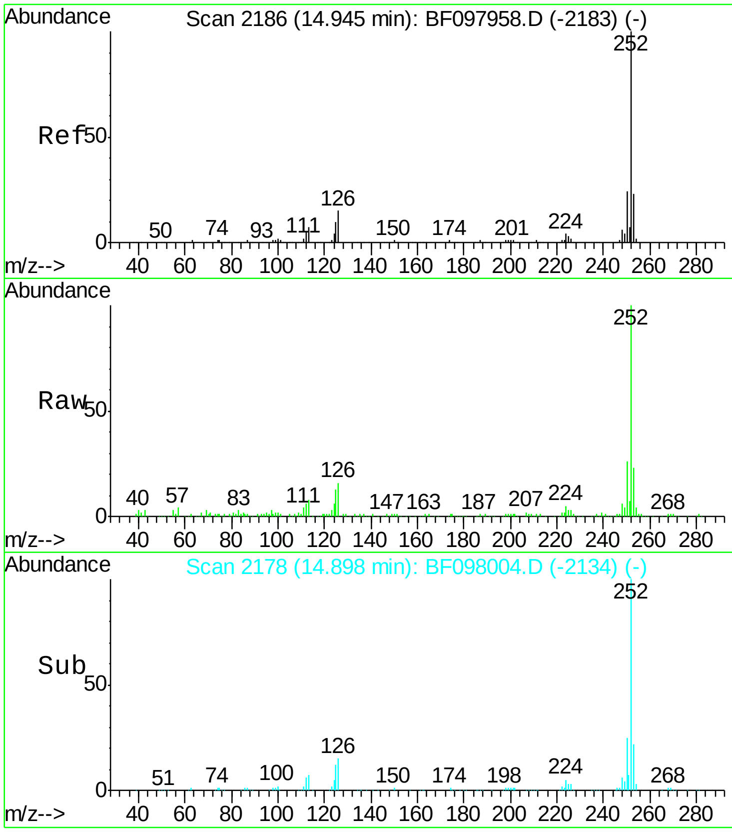


#87
Benzo(b)fluoranthene
Concen: 15.48 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:252 Resp: 234528

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.5	9.8	14.8



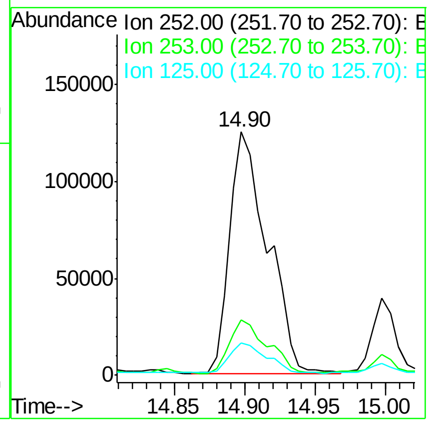


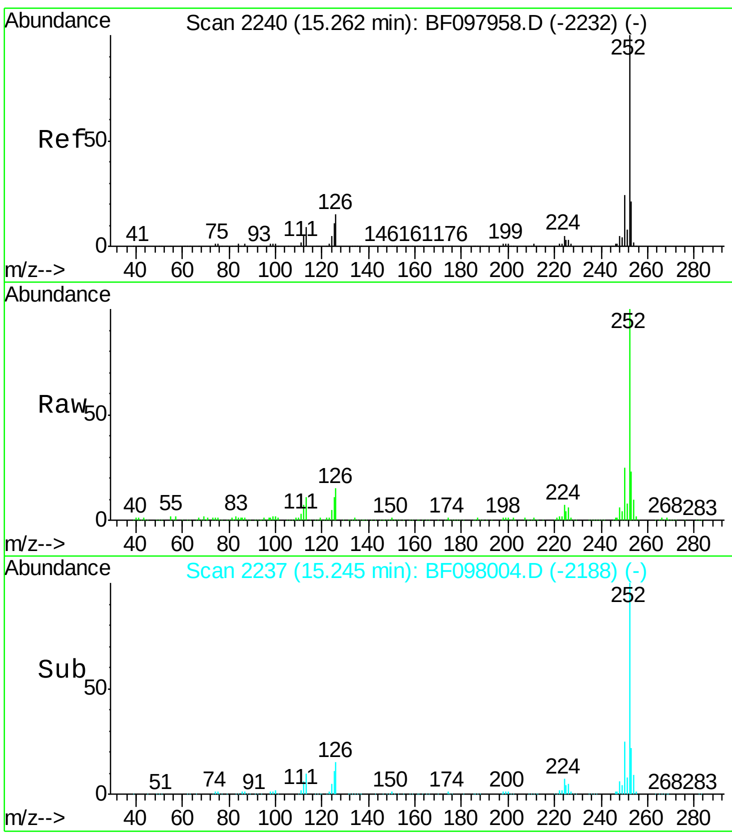
#88
Benzo(k)fluoranthene
Concen: 16.48 ng
RT: 14.90 min   Scan# 2178
Delta R.T.   -0.04 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Instrument : BNA_F
ClientSampleId : HY-MW115-SO

Tgt Ion:252 Resp: 234528

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	13.5	13.1	19.7

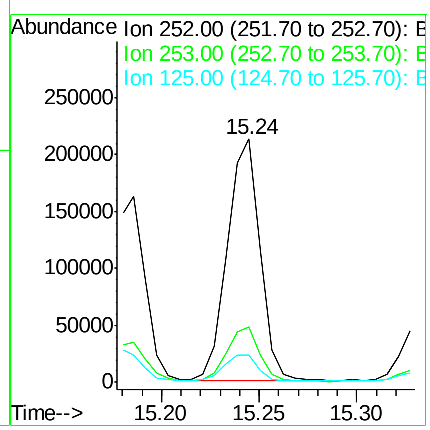


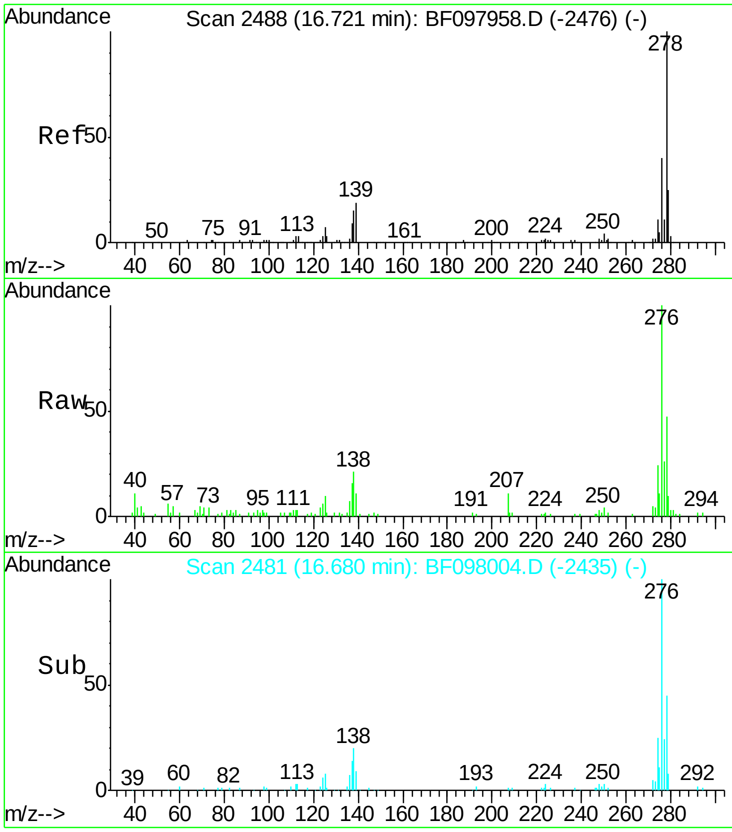


#89
Benzo(a)pyrene
Concen: 18.36 ng
RT: 15.24 min   Scan# 2237
Delta R.T.   -0.01 min
Lab File: BF098004.D
Acq: 24 Aug 2017   16:18

Tgt Ion:252 Resp: 246226

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.4	11.0	16.4



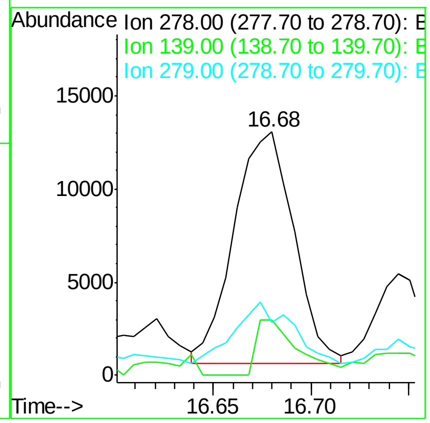


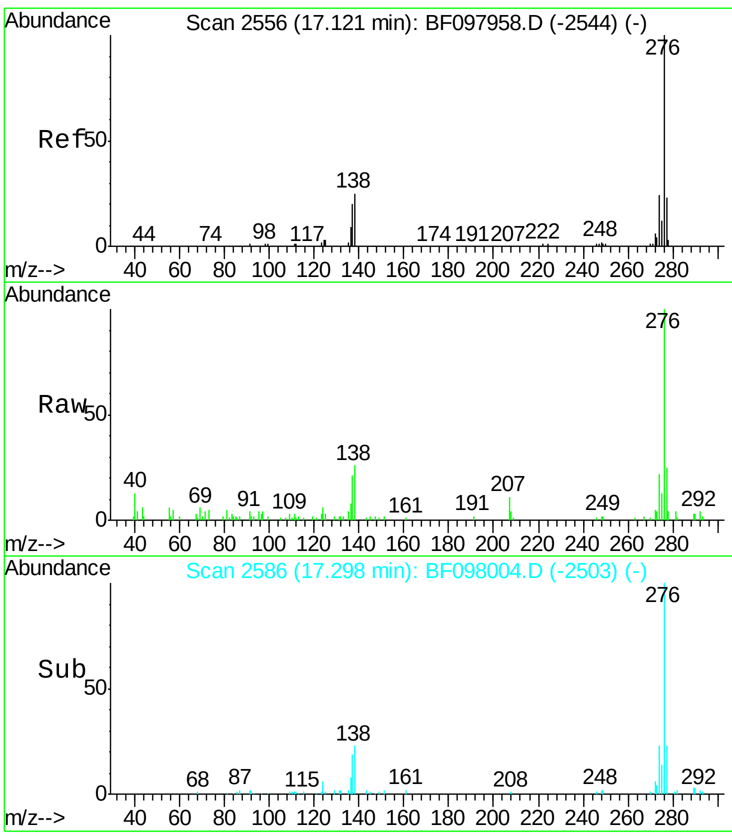
#90
Dibenzo(a,h)anthracene
Concen: 2.42 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.03 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Instrument :
BNA_F
ClientSampleId :
HY-MW115-SO

Tgt Ion:278 Resp: 26419

Ion	Ratio	Lower	Upper
278	100		
139	22.7	16.6	24.8
279	21.9	19.3	28.9





#91
Benzo(g,h,i)perylene
Concen: 4.27 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.19 min
Lab File: BF098004.D
Acq: 24 Aug 2017 16:18

Tgt Ion:276 Resp: 48671

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	26.0	25.4	38.0