Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082392.D
Acq On : 20 Oct 2015 9:48
Operator : UM/IZ
Sample : G4046-04DL 50X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANAHAWKEN112DL

Quant Time: Oct 20 11:30:32 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	88798	20.00	ng		-0.03
21) Naphthalene-d8	8.09	136	363670	20.00	ng		-0.03
38) Acenaphthene-d10	9.85	164	183300	20.00	ng		-0.03
63) Phenanthrene-d10	11.35	188	298546	20.00	ng		-0.02
75) Chrysene-d12	14.02	240	230022	20.00	ng		0.01
86) Perylene-d12	15.53	264	225063	20.00	ng		0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	4908	1.12	ng		-0.02
7) Phenol-d6	6.45	99	7231	1.26	ng		-0.03
23) Nitrobenzene-d5	7.37	82	4686	0.87	ng		-0.05
41) 2,4,6-Tribromophenol	10.64	330	2043	1.19	ng		-0.03
44) 2-Fluorobiphenyl	9.17	172	17145	1.55	ng		-0.04
78) Terphenyl-d14	12.93	244	15983	1.84	ng		-0.03
Target Compounds							Qvalue
31) Naphthalene	8.11	128	62537	3.97	ng		98
37) 2-Methylnaphthalene	8.81	142	62614	5.73	ng		98
45) 1,1'-Biphenyl	9.27	154	42982	3.08	ng		98
48) Acenaphthylene	9.71	152	35643	2.08	ng		97
50) 2,6-Dinitrotoluene	9.85	165	29339	10.77	ng	#	33
51) Acenaphthene	9.89	154	380740	37.00	ng		99
52) 3-Nitroaniline	10.06	138	9442	3.07	ng	#	13
54) Dibenzofuran	10.06	168	600765	42.52	ng		99
55) 4-Nitrophenol	10.06	139	227522	98.02	ng	#	12
57) Fluorene	10.40	166	620450	53.47	ng		99
61) 4-Nitroaniline	10.40	138	7469	2.50	ng	#	21
65) n-Nitrosodiphenylamine	10.48	169	19810	2.22	ng	#	1
70) Phenanthrene	11.38	178	4582407	313.14	ng		95
71) Anthracene	11.43	178	570463	37.83	ng		99
72) Carbazole	11.58	167	551881	40.12	ng		99
74) Fluoranthene	12.57	202	3179562	202.30	ng		94
77) Pyrene	12.80	202	1856111	135.97	ng		98
80) Benzo(a)anthracene	14.01	228	446570	37.31	ng		99
82) Chrysene	14.05	228	368697	29.24	ng		98
85) Indeno(1,2,3-cd)pyrene	16.95	276	38287	3.82	ng		99
87) Benzo(b)fluoranthene	15.11	252	362480	26.47	ng		100
88) Benzo(k)fluoranthene	15.11	252	362480	31.50	ng	#	97
89) Benzo(a)pyrene	15.46	252	95559	8.12	ng		100
91) Benzo(g,h,i)perylene	17.37	276	24780	2.65	ng		98

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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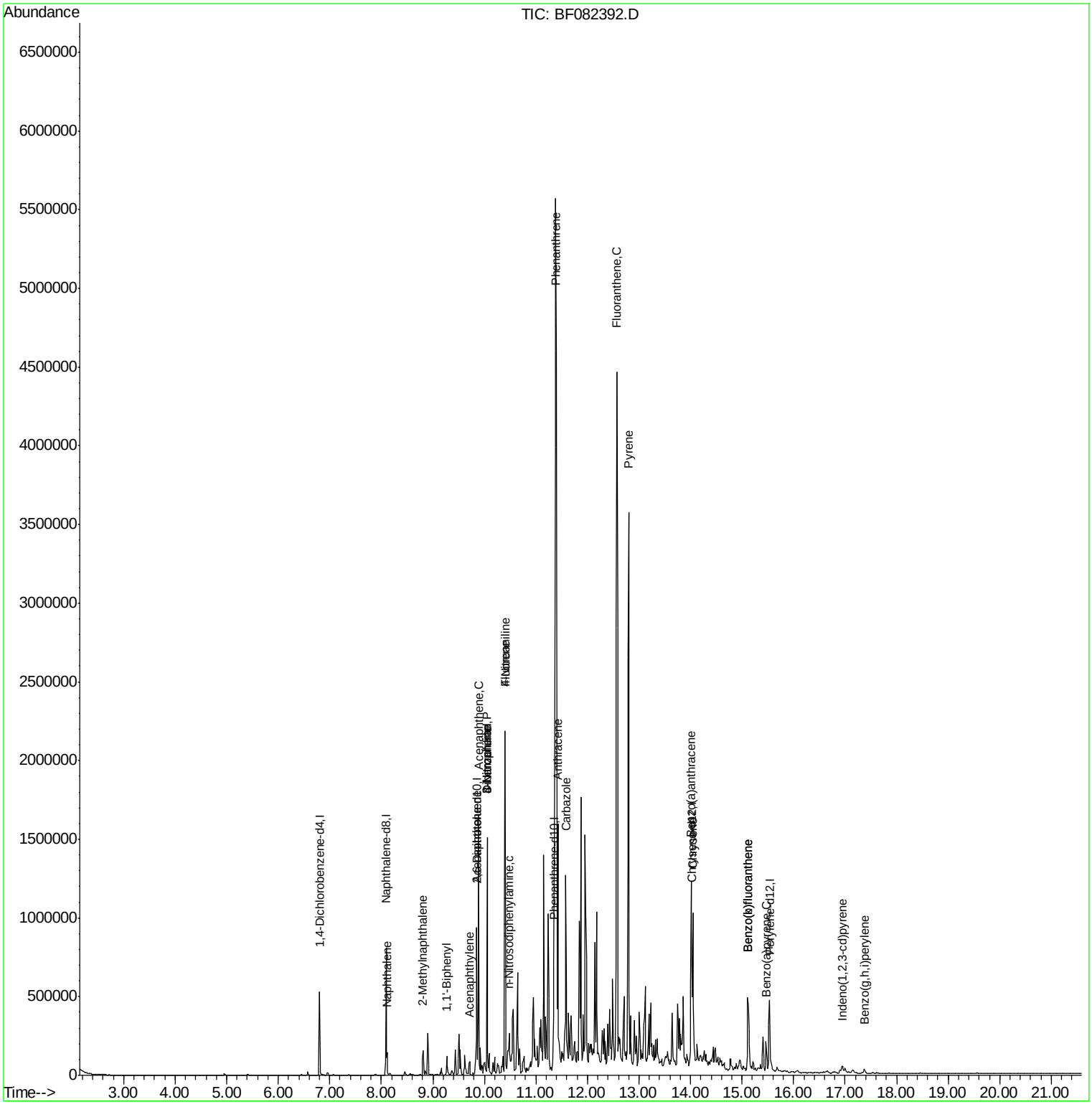
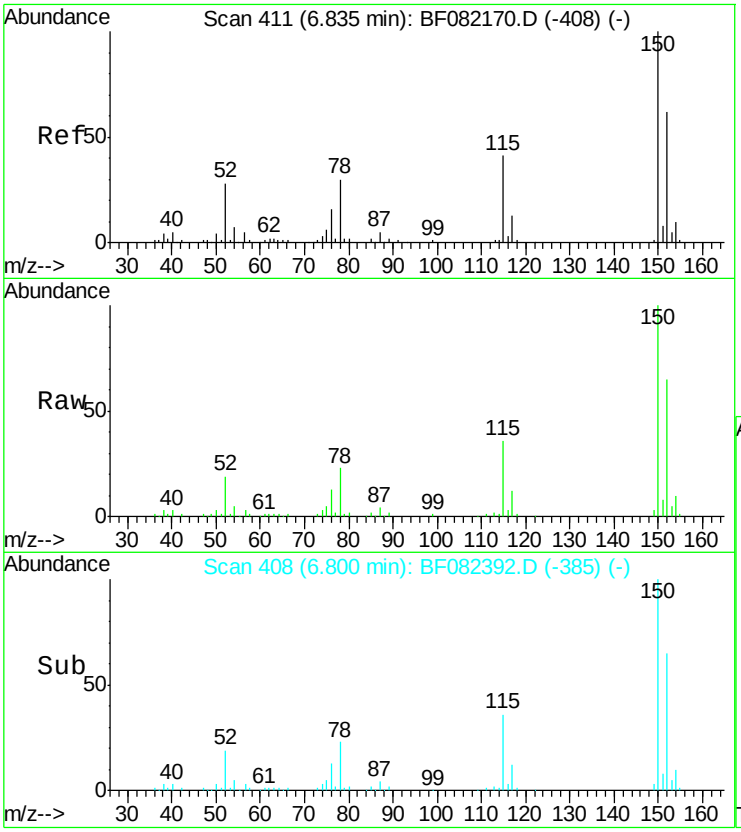


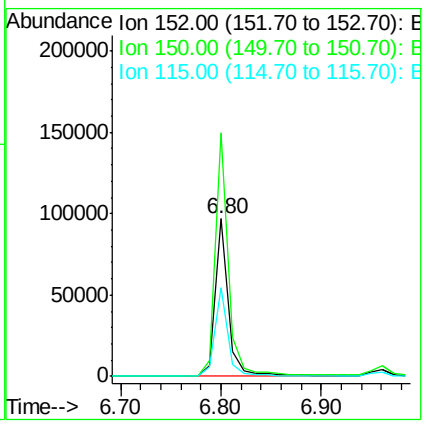


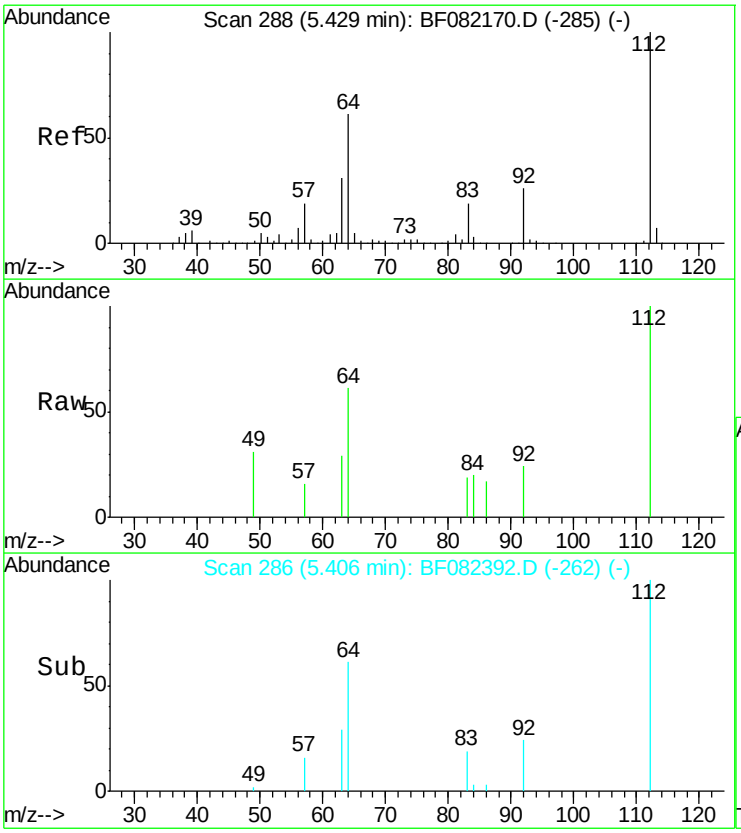
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 408
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:152 Resp: 88798

Ion	Ratio	Lower	Upper
152	100		
150	154.4	129.0	193.4
115	55.9	52.1	78.1

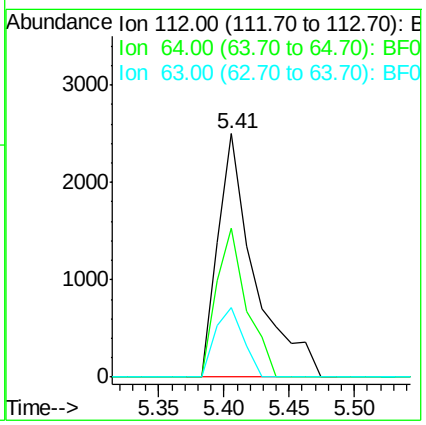


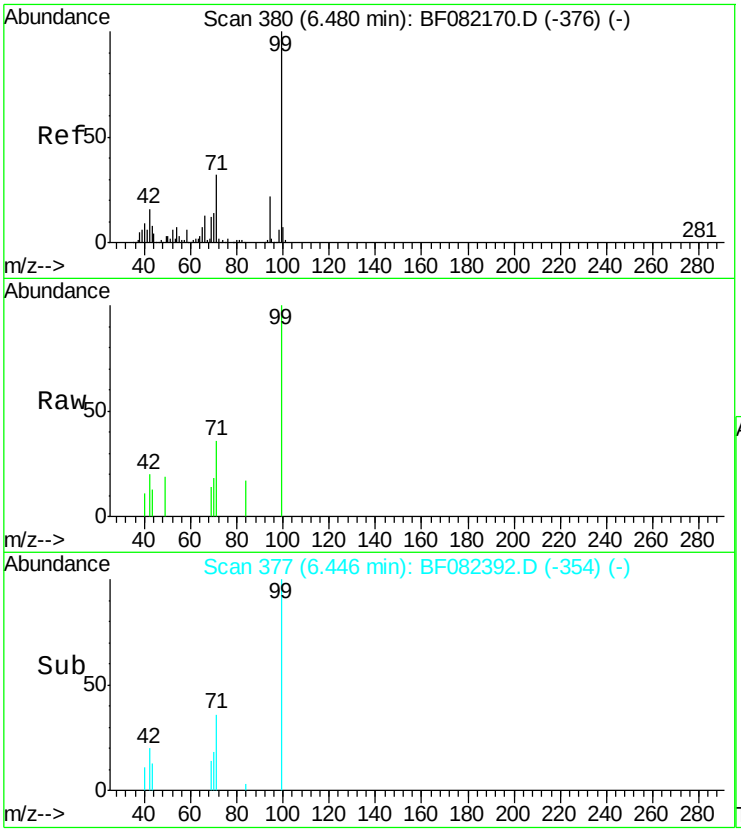


#5
2-Fluorophenol
Concen: 1.12 ng
RT: 5.41 min Scan# 286
Delta R.T. -0.02 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:112 Resp: 4908

Ion	Ratio	Lower	Upper
112	100		
64	61.2	48.6	73.0
63	28.8	25.1	37.7



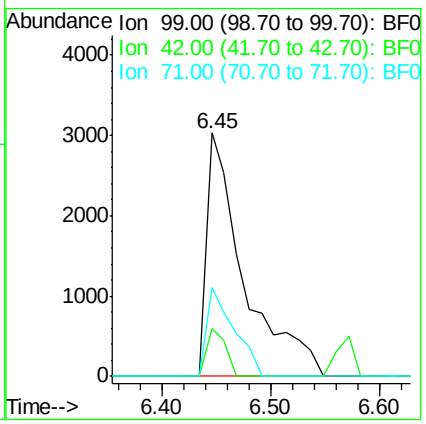


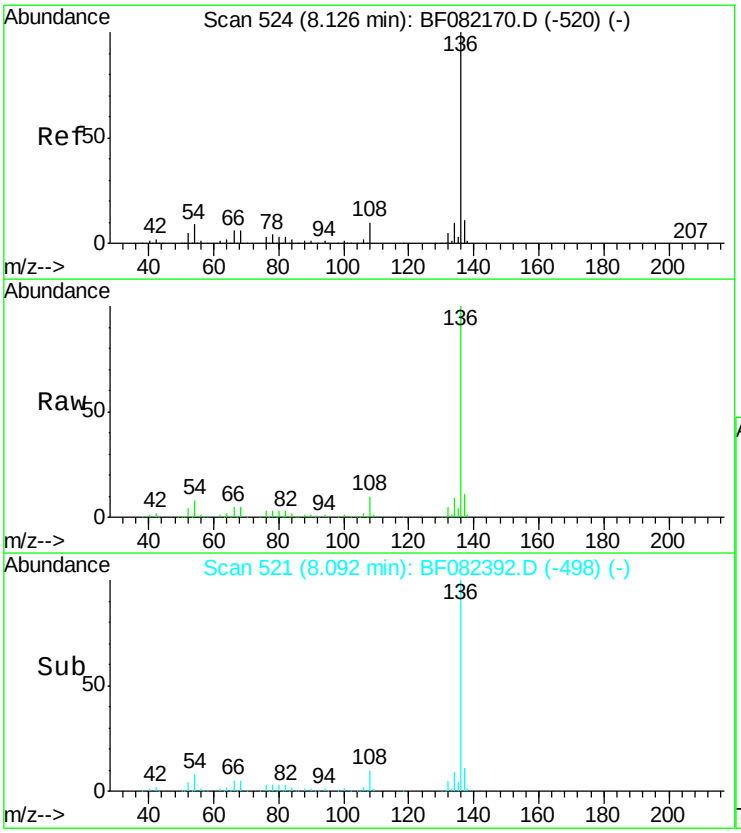
#7
Phenol-d6
Concen: 1.26 ng
RT: 6.45 min Scan# 377
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion: 99 Resp: 7231

Ion	Ratio	Lower	Upper
99	100		
42	19.7	13.2	19.8
71	36.3	25.6	38.4

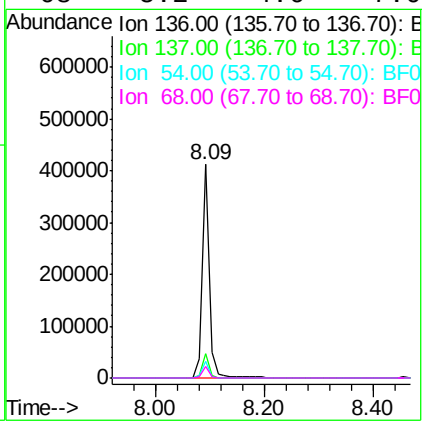


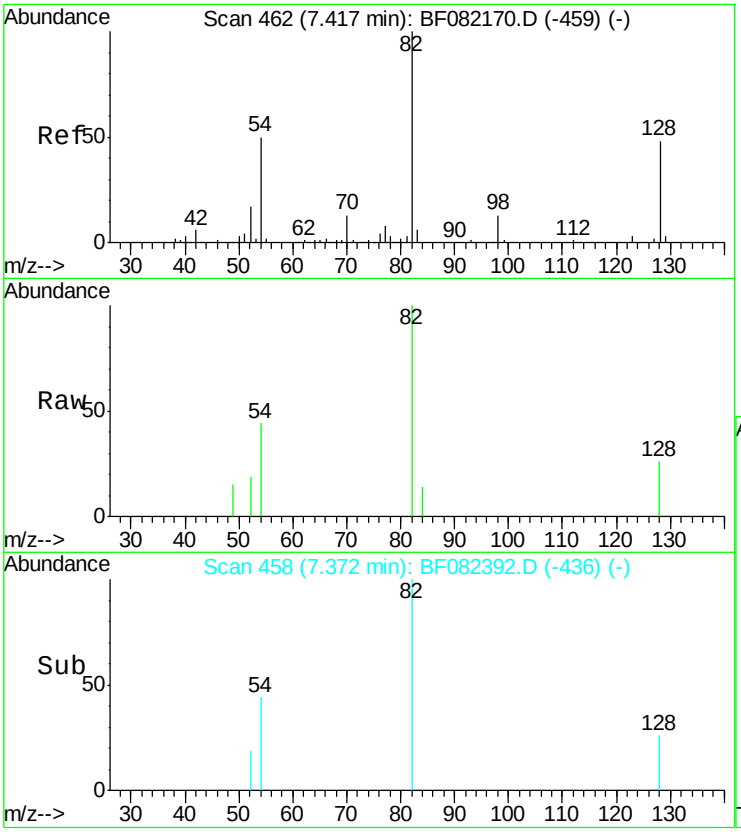


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 521
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:136 Resp: 363670

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	7.9	7.5	11.3
68	5.2	4.6	7.0



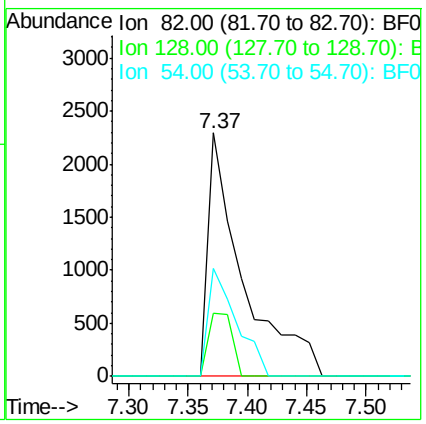


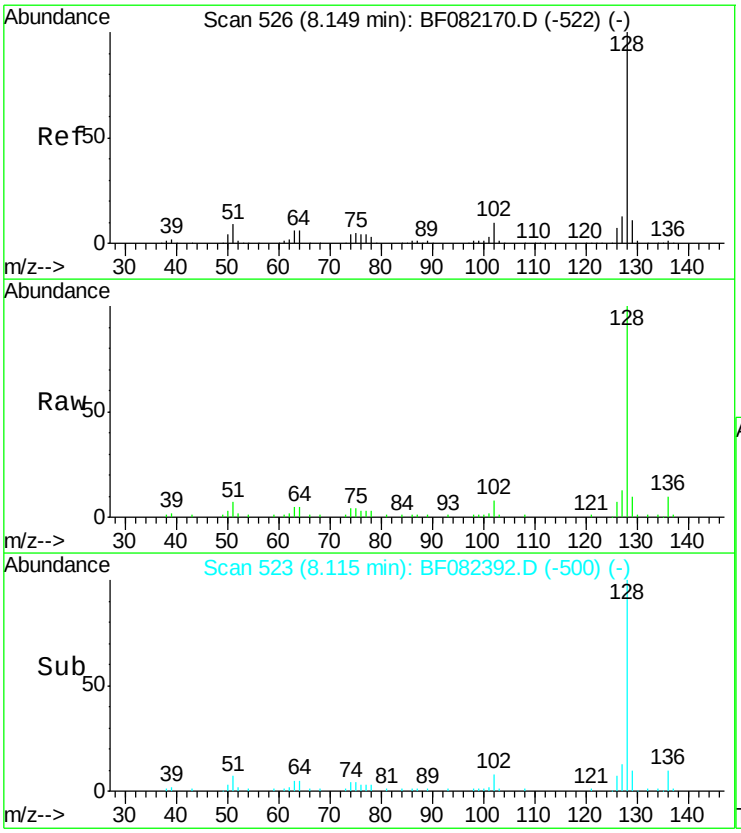
#23
Nitrobenzene-d5
Concen: 0.87 ng
RT: 7.37 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion: 82 Resp: 4686

Ion	Ratio	Lower	Upper
82	100		
128	26.2	38.7	58.1#
54	44.1	40.1	60.1

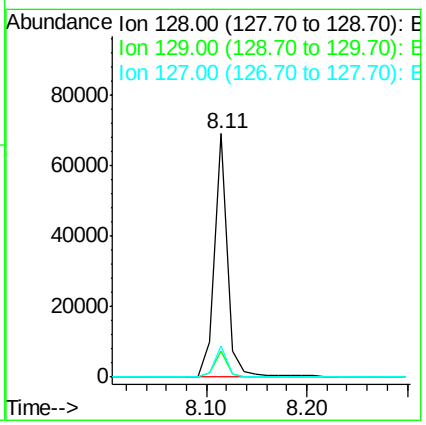


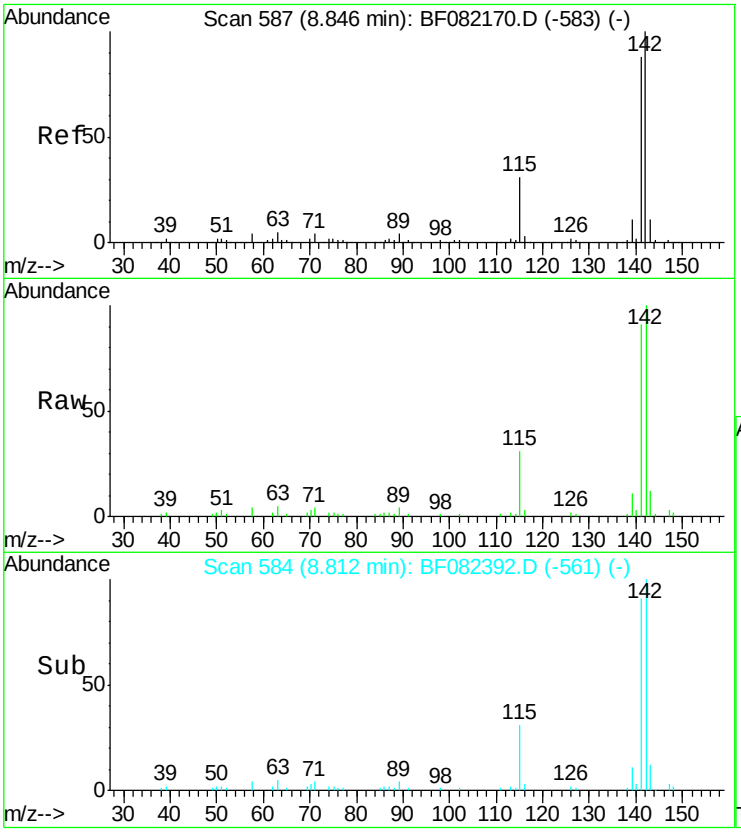


#31
Naphthalene
Concen: 3.97 ng
RT: 8.11 min Scan# 523
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:128 Resp: 62537

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	13.0	10.7	16.1



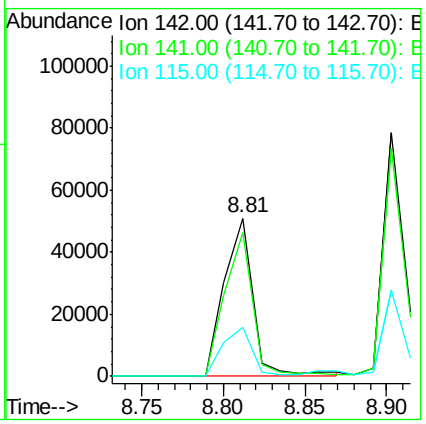


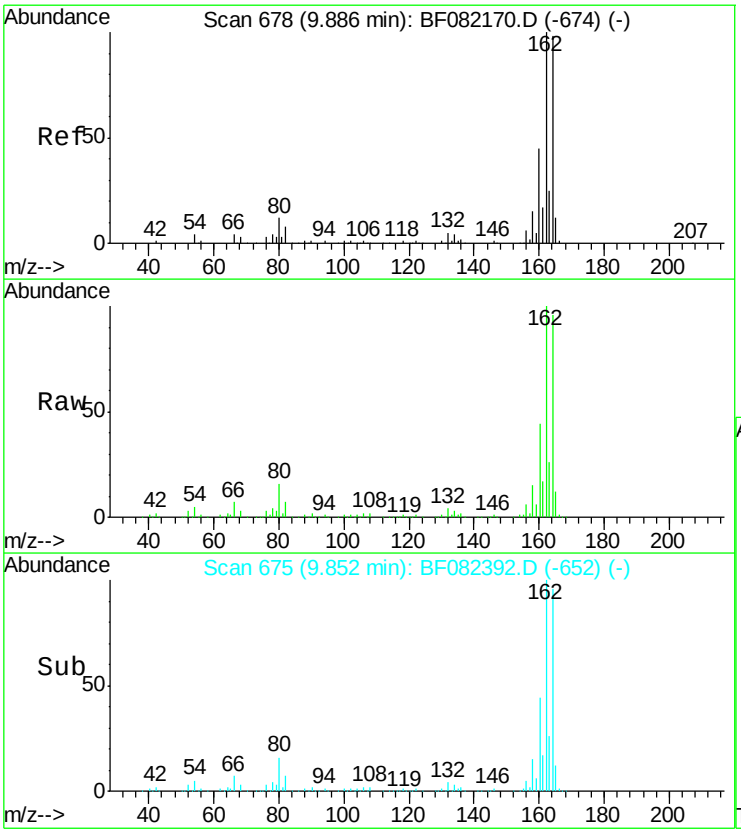
#37
2-Methylnaphthalene
Concen: 5.73 ng
RT: 8.81 min Scan# 584
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:142 Resp: 62614

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.4	105.6
115	30.8	24.6	37.0

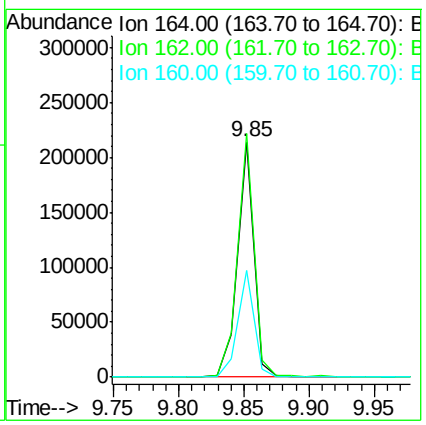


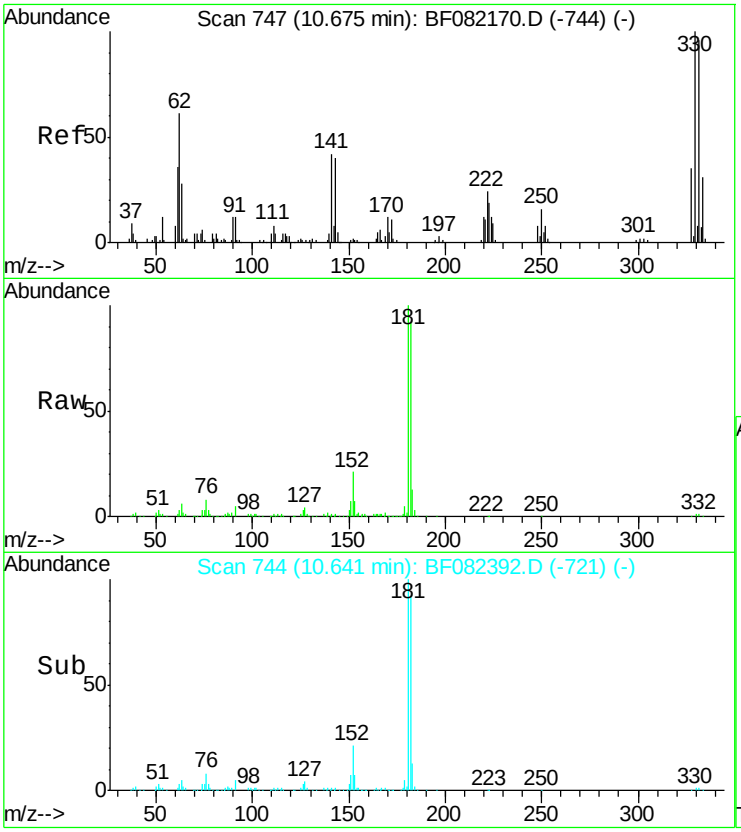


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:164 Resp: 183300

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.6	122.4
160	45.4	36.4	54.6



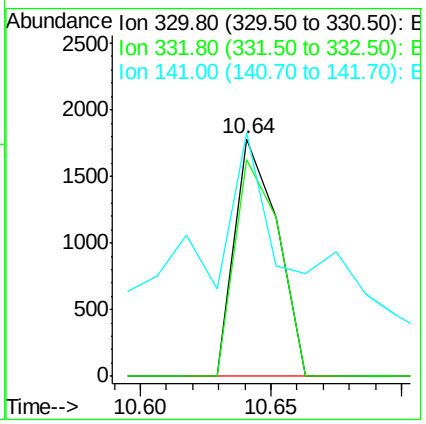


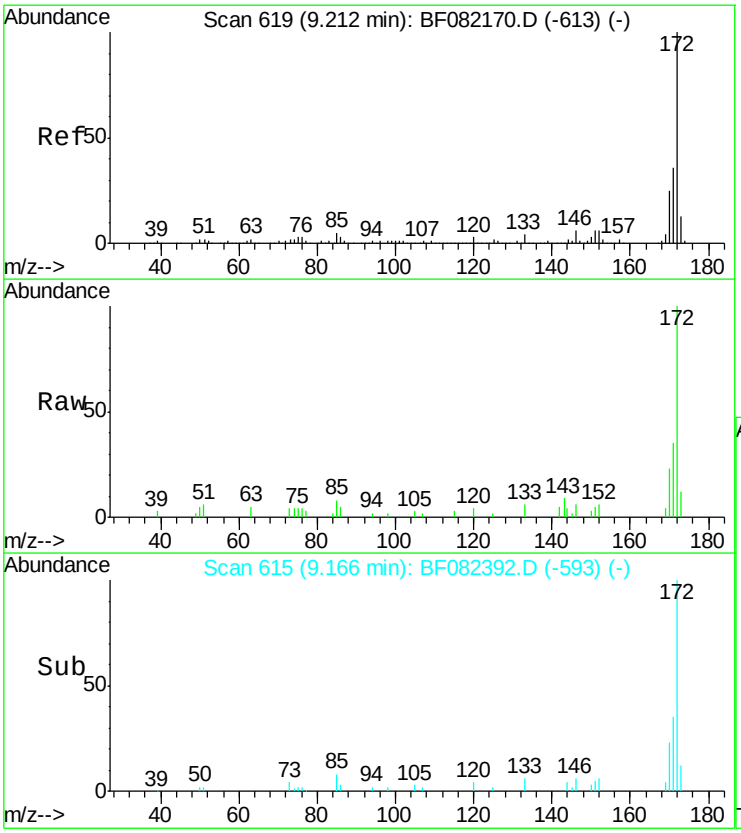
#41
2,4,6-Tribromophenol
Concen: 1.19 ng
RT: 10.64 min Scan# 744
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:330 Resp: 2043

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.1	115.7
141	179.8	29.8	44.8#

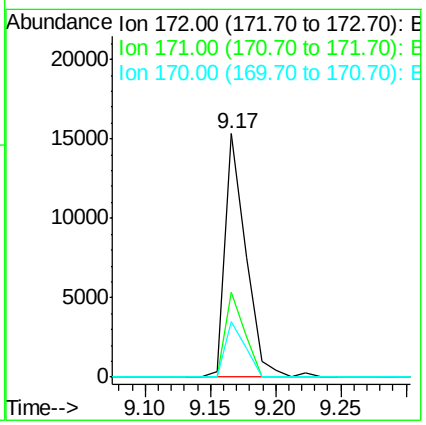


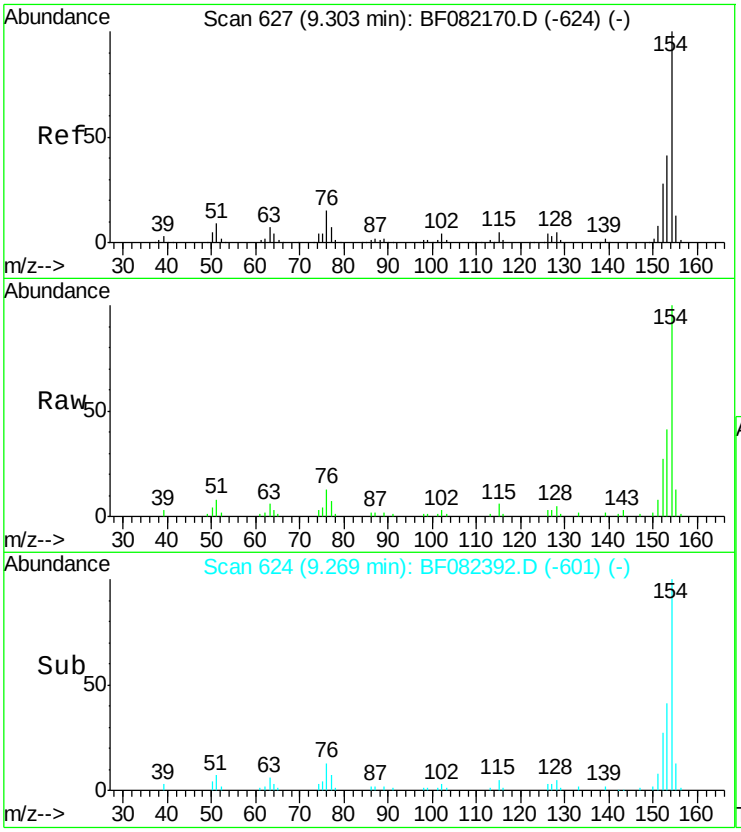


#44
2-Fluorobiphenyl
Concen: 1.55 ng
RT: 9.17 min Scan# 615
Delta R.T. -0.04 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:172 Resp: 17145

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.6	19.7	29.5



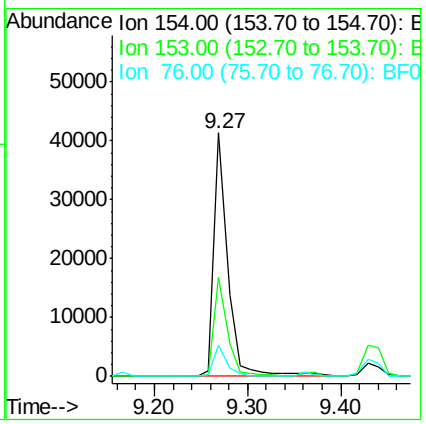


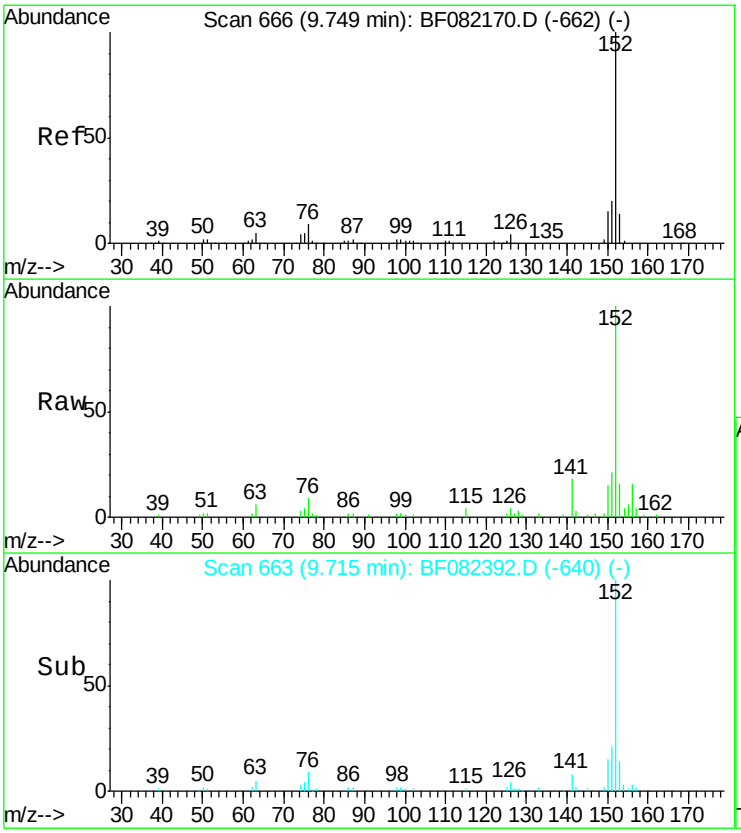
#45
1,1'-Biphenyl
Concen: 3.08 ng
RT: 9.27 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:154 Resp: 42982

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.6	60.6
76	12.9	0.0	35.2

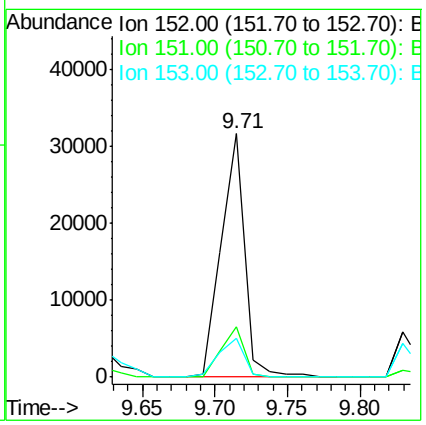


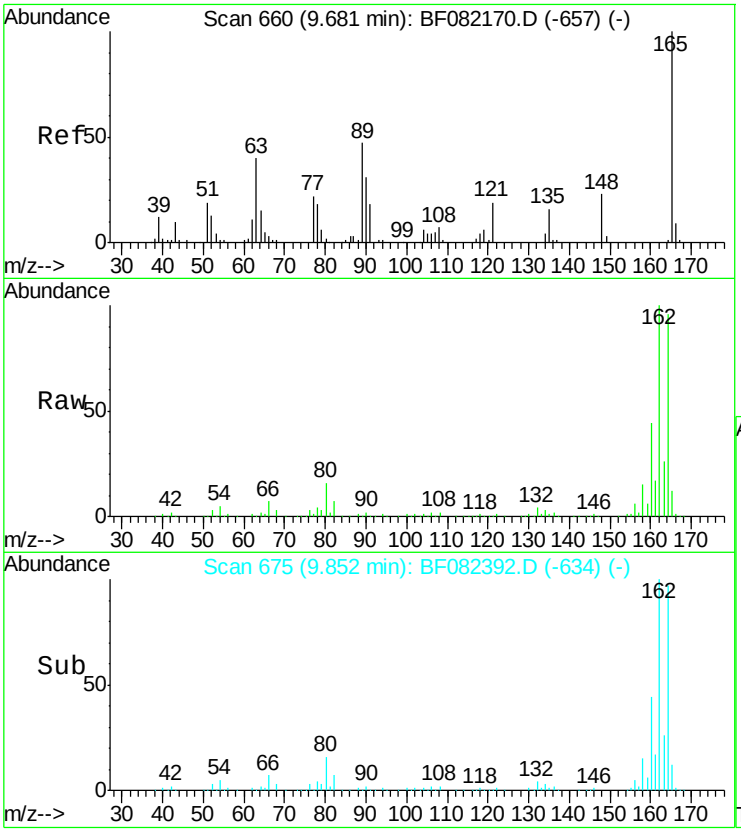


#48
Acenaphthylene
Concen: 2.08 ng
RT: 9.71 min Scan# 663
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:152 Resp: 35643

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	16.0	10.8	16.2



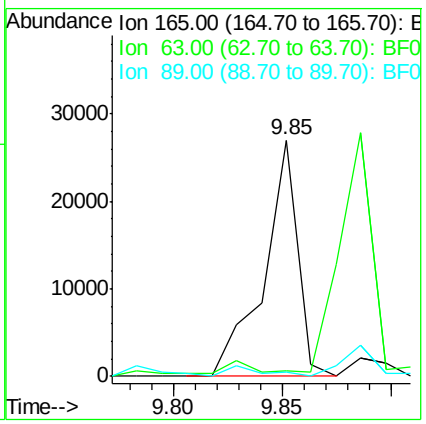


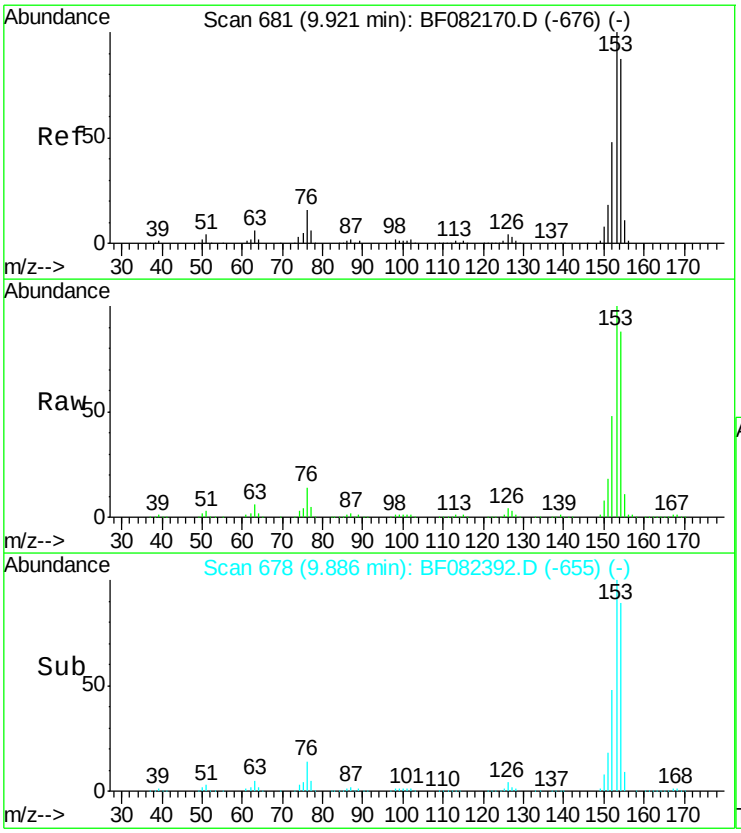
#50
2,6-Dinitrotoluene
Concen: 10.77 ng
RT: 9.85 min Scan# 675
Delta R.T. 0.17 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:165 Resp: 29339

Ion	Ratio	Lower	Upper
165	100		
63	2.5	36.7	55.1#
89	2.0	37.8	56.6#

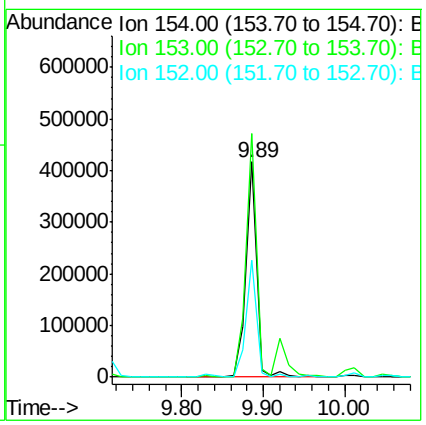


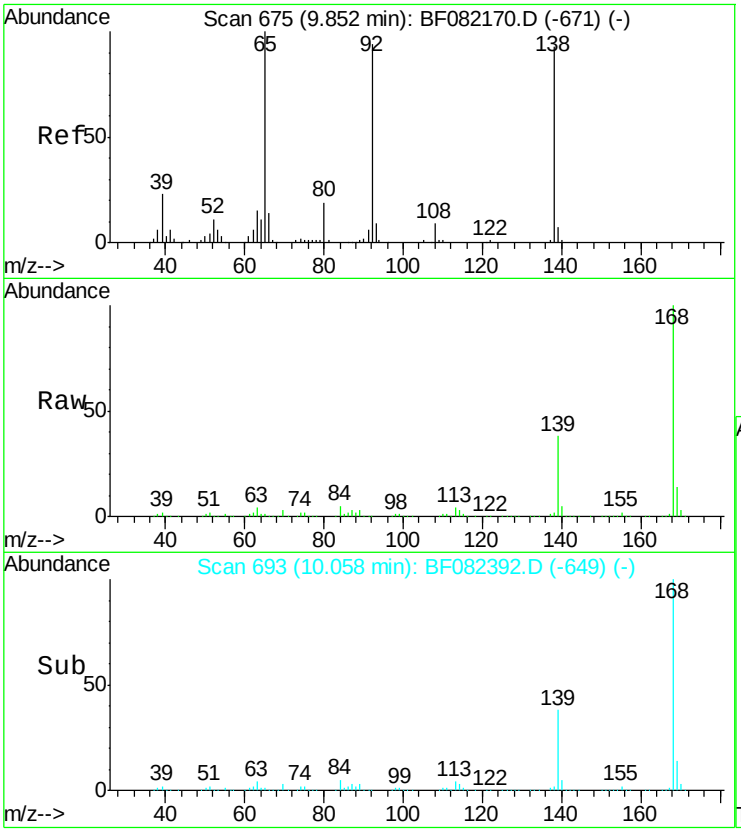


#51
Acenaphthene
Concen: 37.00 ng
RT: 9.89 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:154 Resp: 380740

Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.4	137.2
152	54.4	44.3	66.5



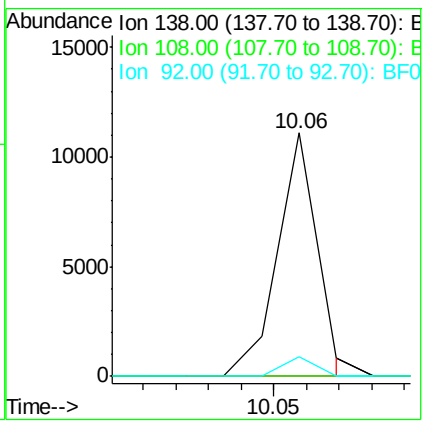


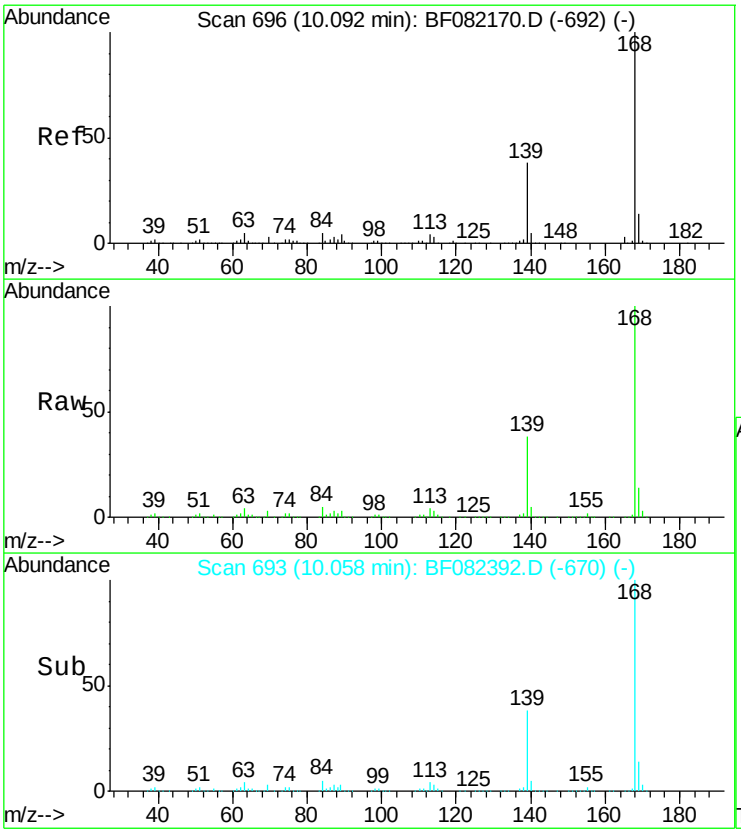
#52
3-Nitroaniline
Concen: 3.07 ng
RT: 10.06 min Scan# 693
Delta R.T. 0.21 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:138 Resp: 9442

Ion	Ratio	Lower	Upper
138	100		
108	0.0	7.4	11.0#
92	8.3	81.3	121.9#

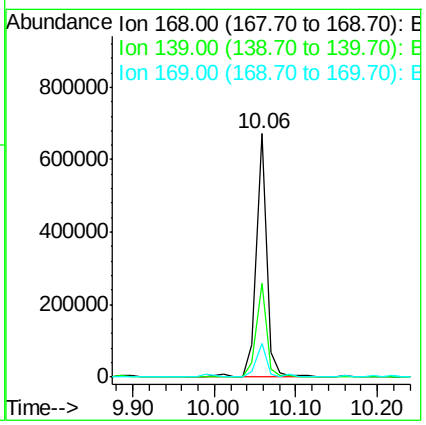


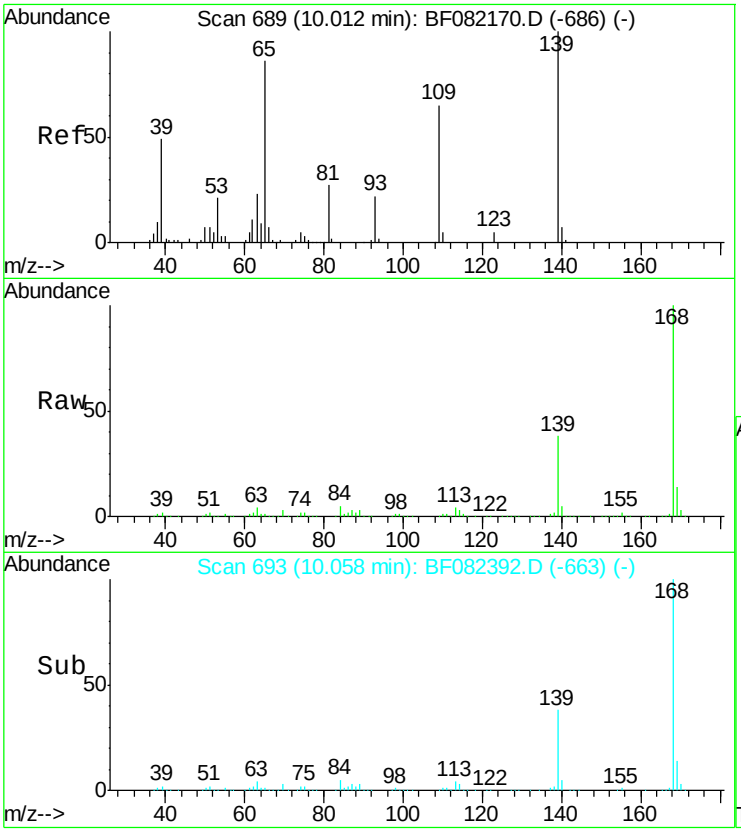


#54
Dibenzofuran
Concen: 42.52 ng
RT: 10.06 min Scan# 693
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:168 Resp: 600765

Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.0	46.6
169	14.1	10.9	16.3



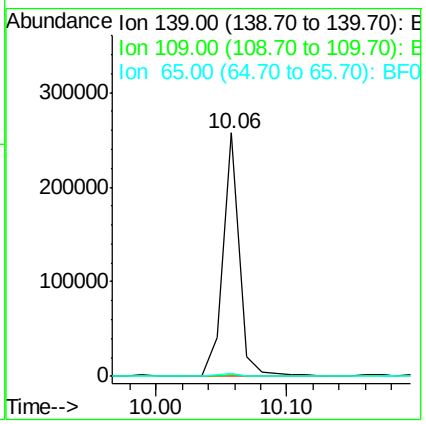


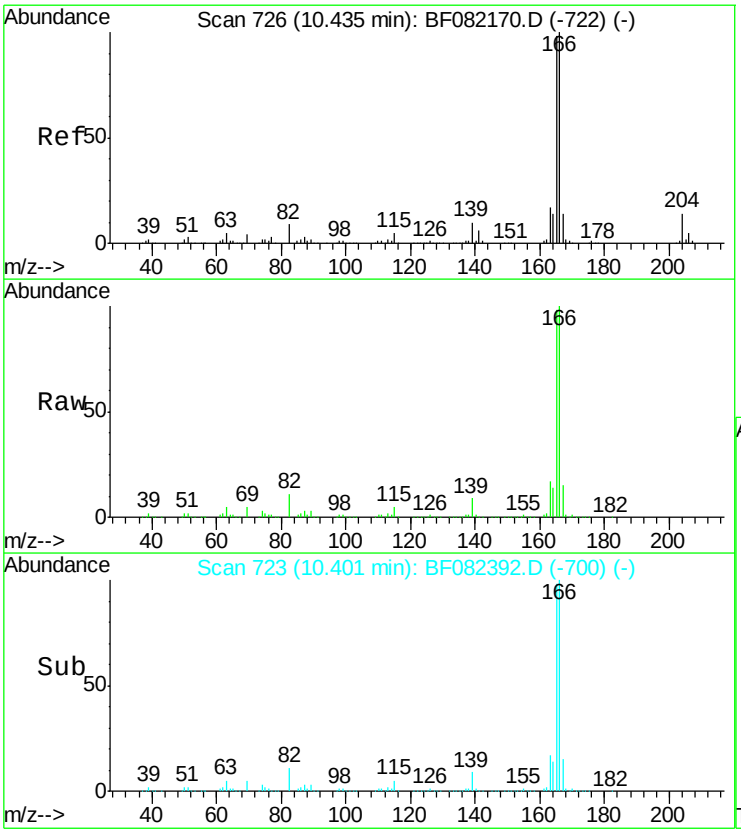
#55
4-Nitrophenol
Concen: 98.02 ng
RT: 10.06 min Scan# 693
Delta R.T. 0.05 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:139 Resp: 227522

Ion	Ratio	Lower	Upper
139	100		
109	0.8	44.8	84.8#
65	1.3	67.7	107.7#

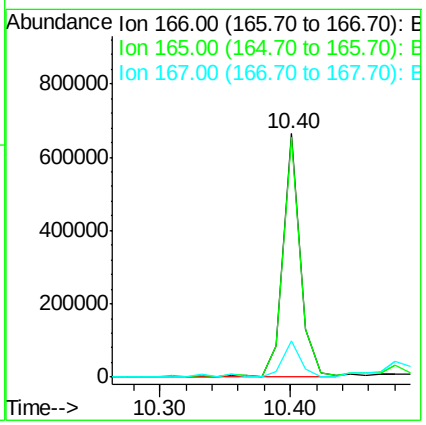


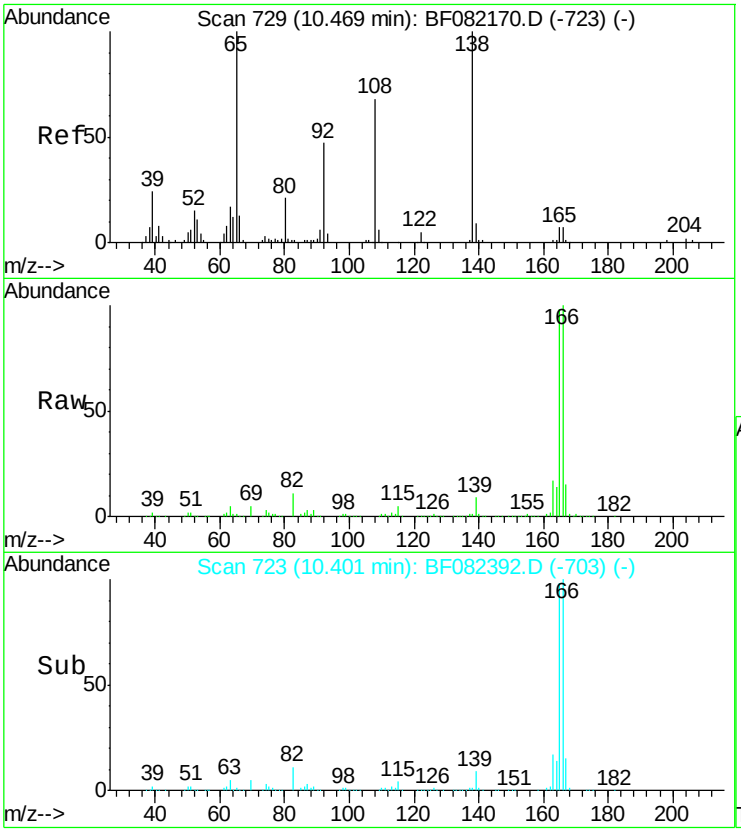


#57
Fluorene
Concen: 53.47 ng
RT: 10.40 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:166 Resp: 620450

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.3	117.5
167	14.8	10.8	16.2



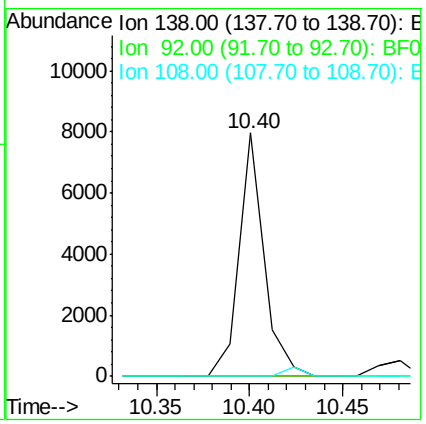


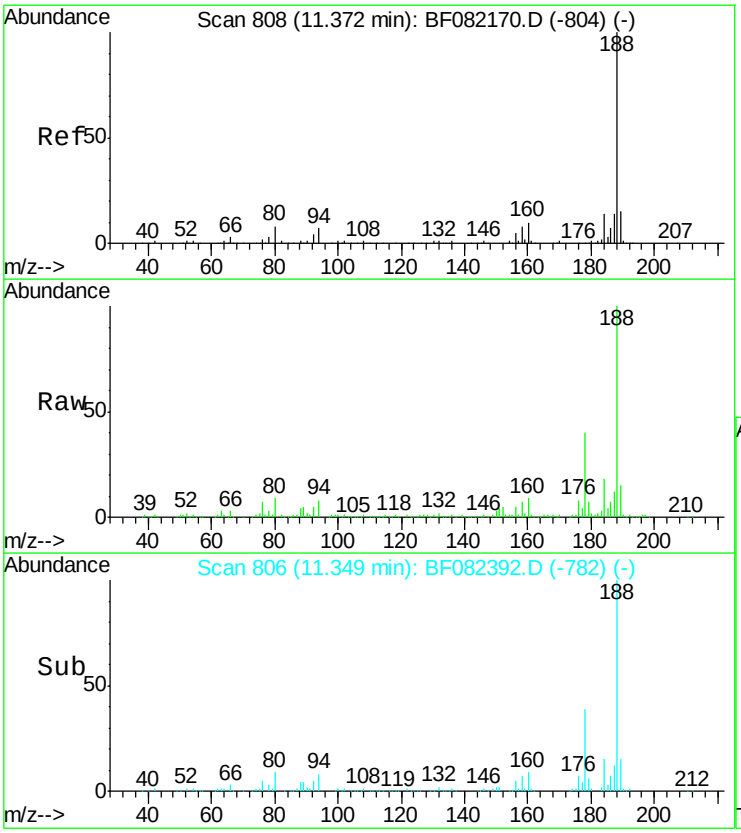
#61
4-Nitroaniline
Concen: 2.50 ng
RT: 10.40 min Scan# 723
Delta R.T. -0.07 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:138 Resp: 7469

Ion	Ratio	Lower	Upper
138	100		
92	0.0	26.8	66.8#
108	0.0	48.4	88.4#

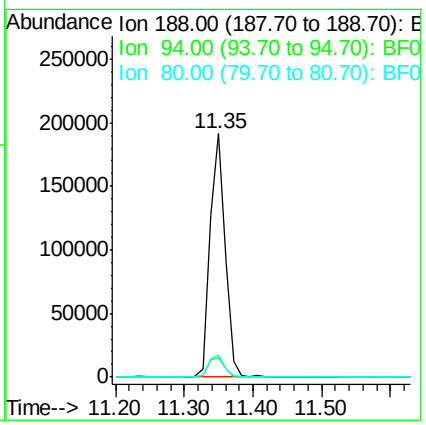


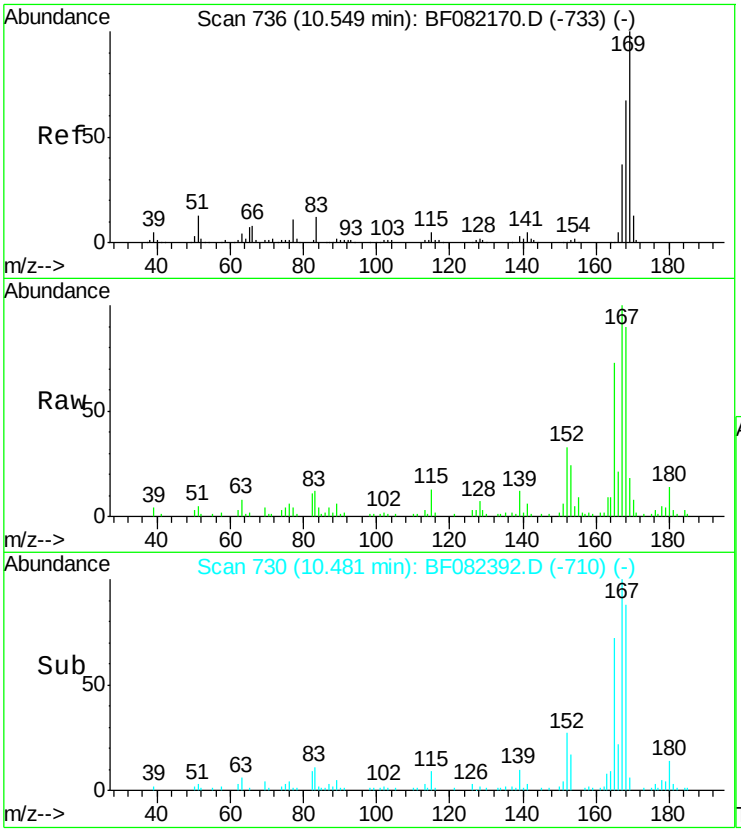


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:188 Resp: 298546

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.8	8.6
80	8.9	6.4	9.6



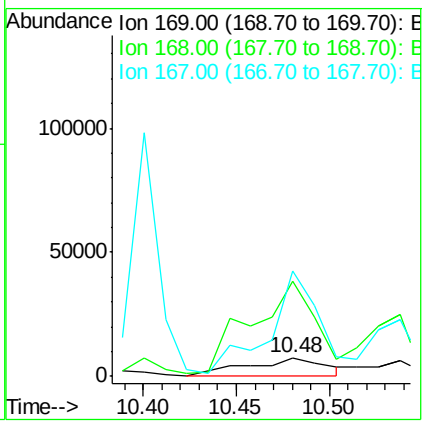


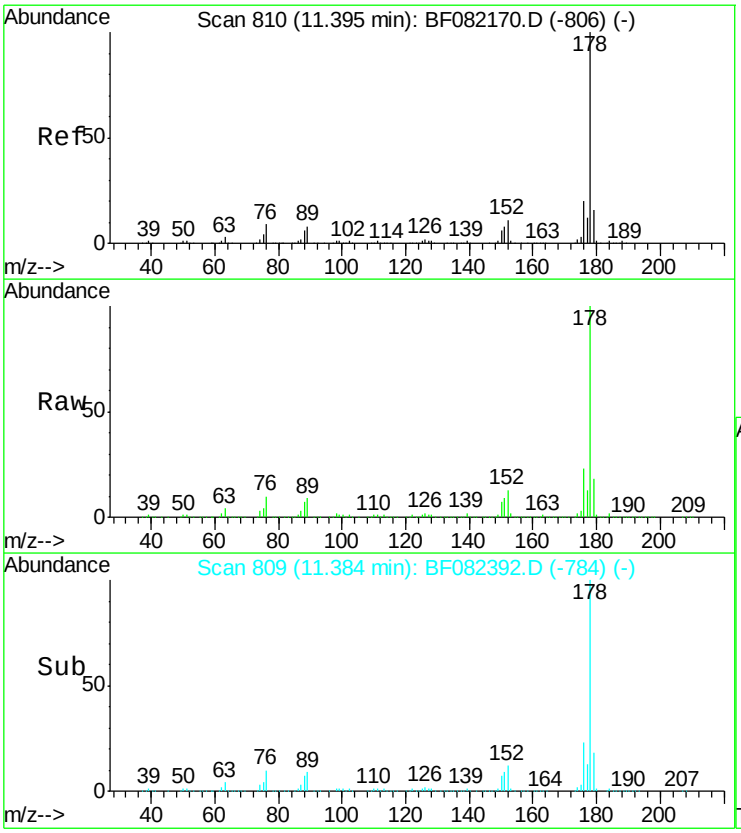
#65
n-Nitrosodiphenylamine
Concen: 2.22 ng
RT: 10.48 min Scan# 730
Delta R.T. -0.07 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:169 Resp: 19810

Ion	Ratio	Lower	Upper
169	100		
168	511.7	54.0	81.0#
167	568.9	29.6	44.4#

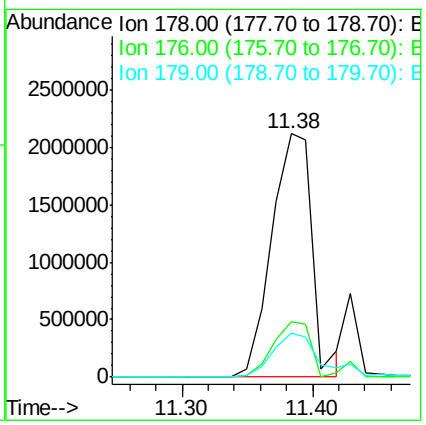


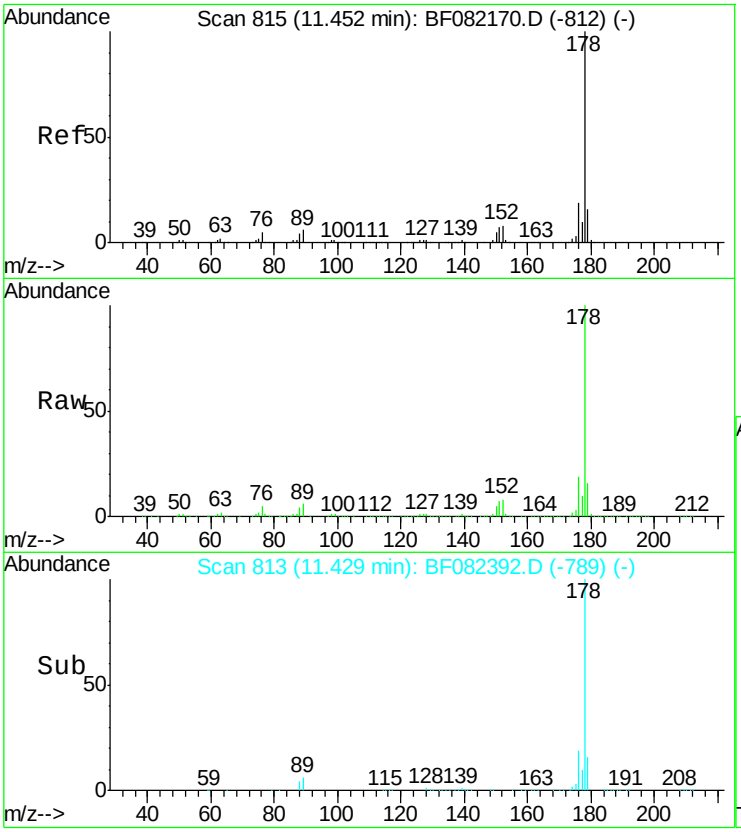


#70
Phenanthrene
Concen: 313.14 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:178 Resp: 4582407

Ion	Ratio	Lower	Upper
178	100		
176	22.5	16.0	24.0
179	17.9	12.6	19.0



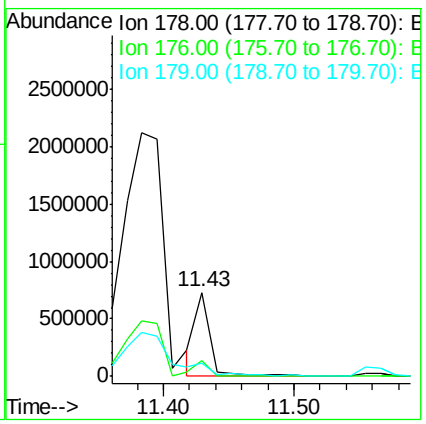


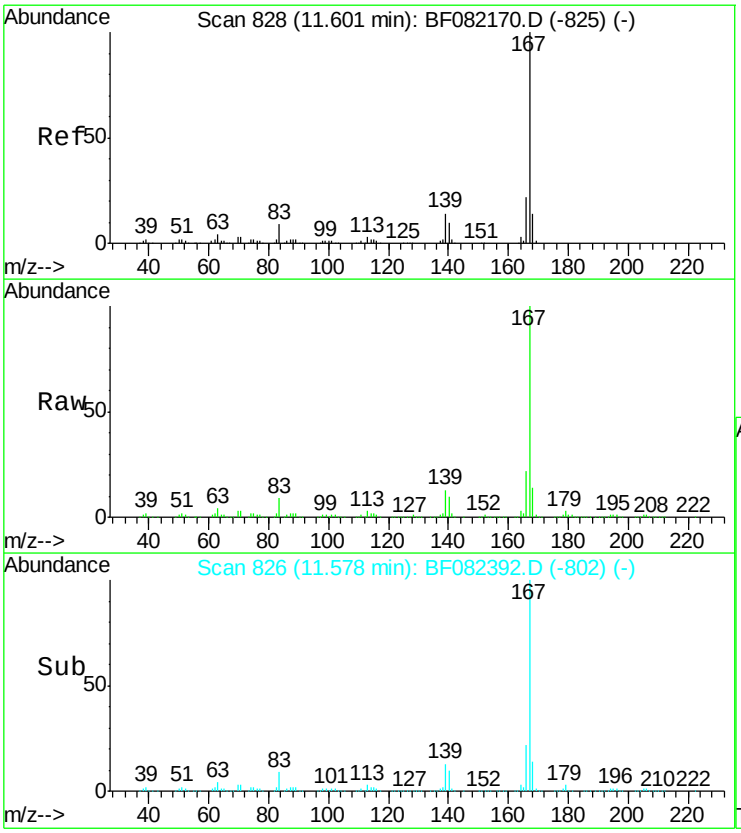
#71
Anthracene
Concen: 37.83 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:178 Resp: 570463

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	16.2	12.5	18.7

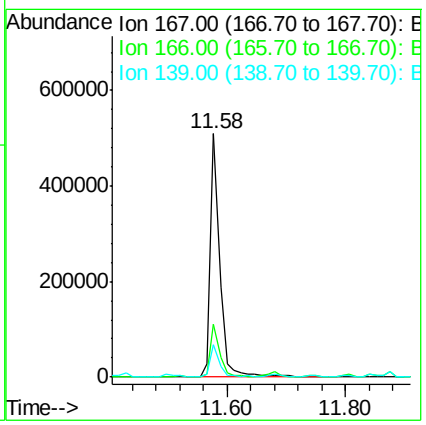


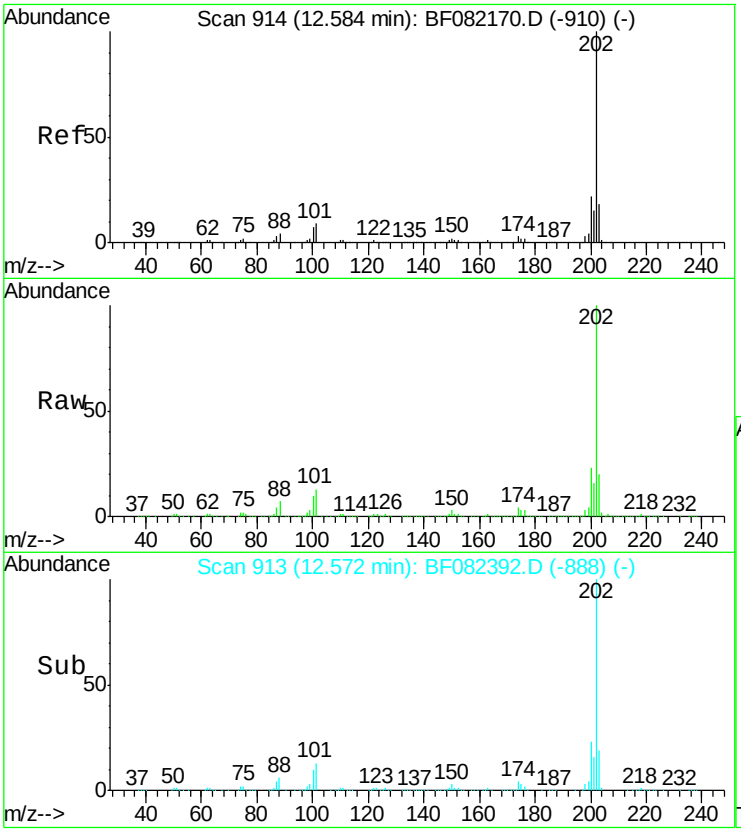


#72
Carbazole
Concen: 40.12 ng
RT: 11.58 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:167 Resp: 551881

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	13.5	11.2	16.8



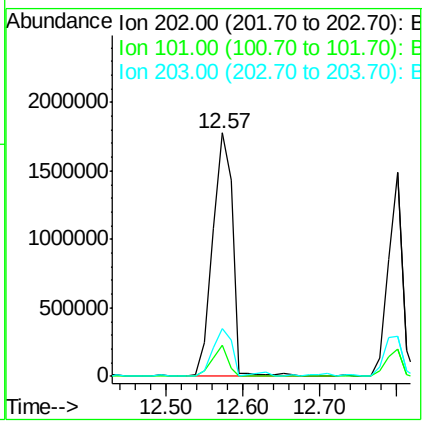


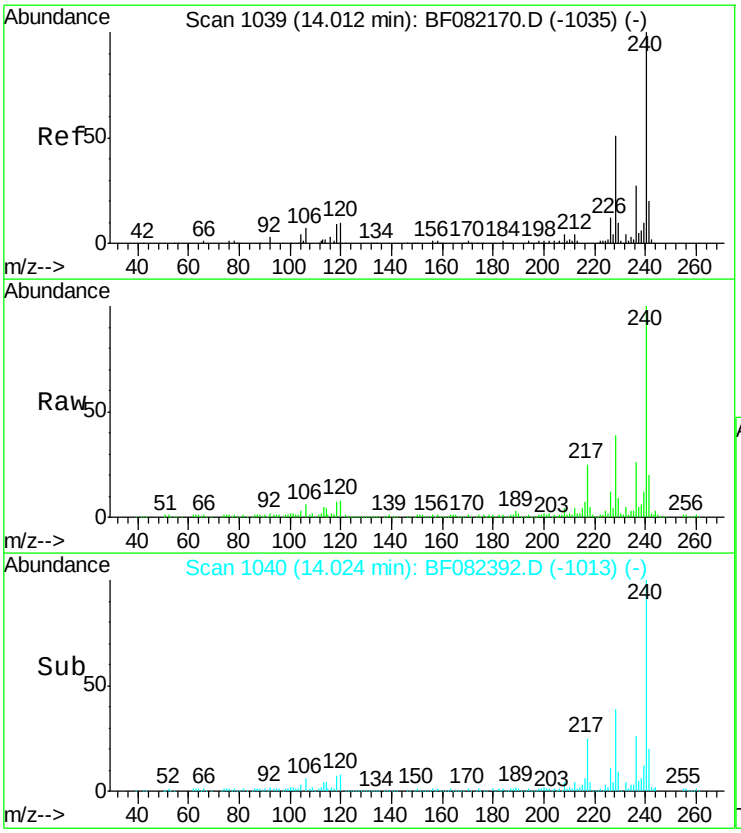
#74
Fluoranthene
Concen: 202.30 ng
RT: 12.57 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:202 Resp: 3179562

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	29.3
203	19.5	0.0	37.8

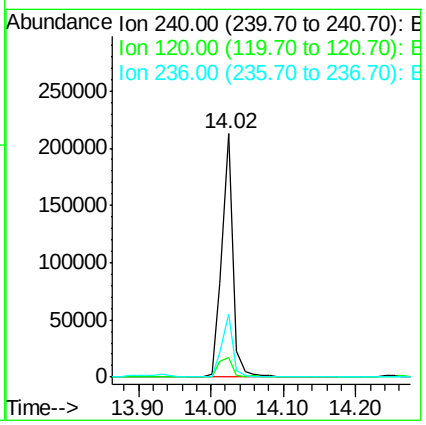


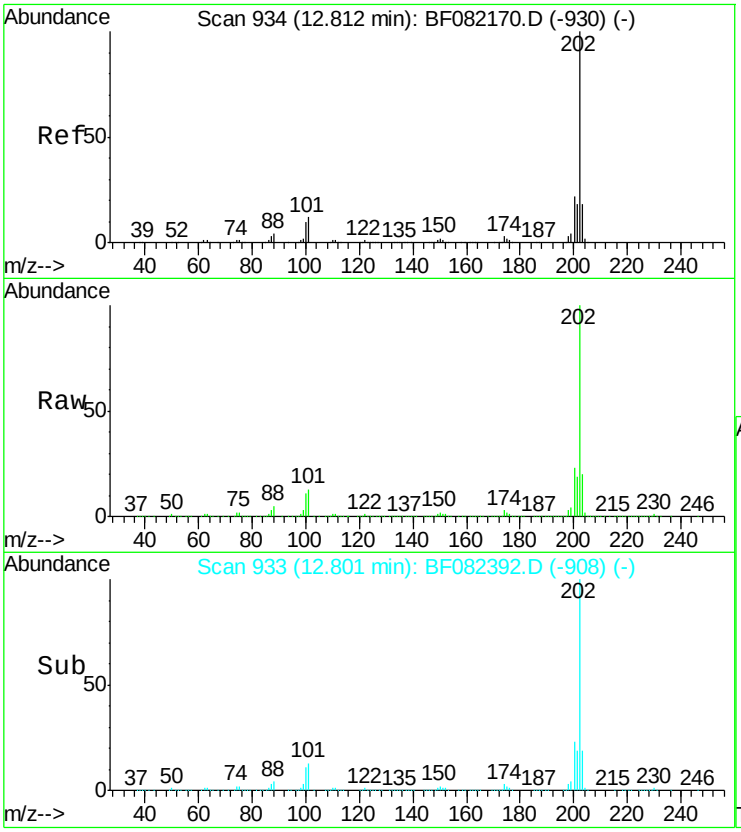


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:240 Resp: 230022

Ion	Ratio	Lower	Upper
240	100		
120	8.0	8.1	12.1#
236	26.1	21.3	31.9



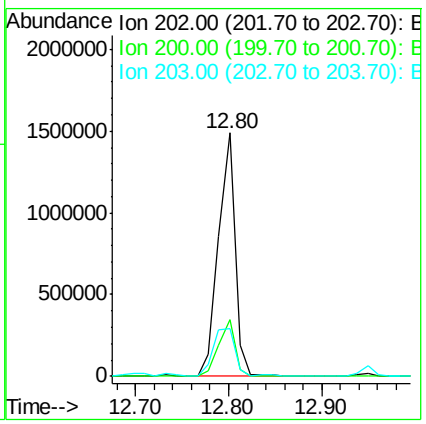


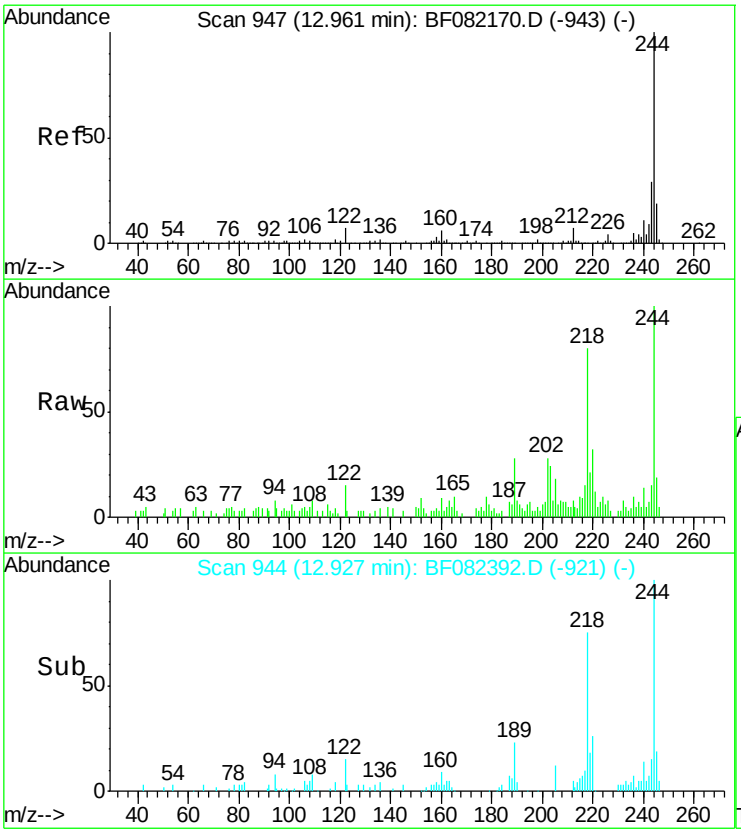
#77
Pyrene
Concen: 135.97 ng
RT: 12.80 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:202 Resp: 1856111

Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.9	26.9
203	19.5	14.5	21.7

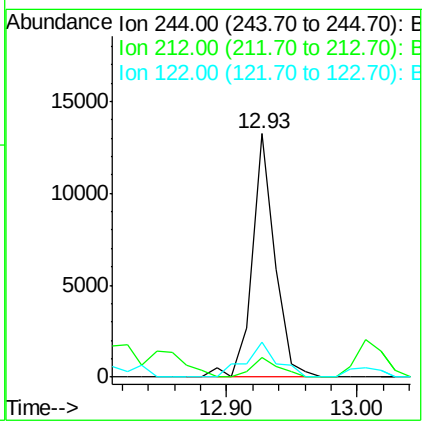


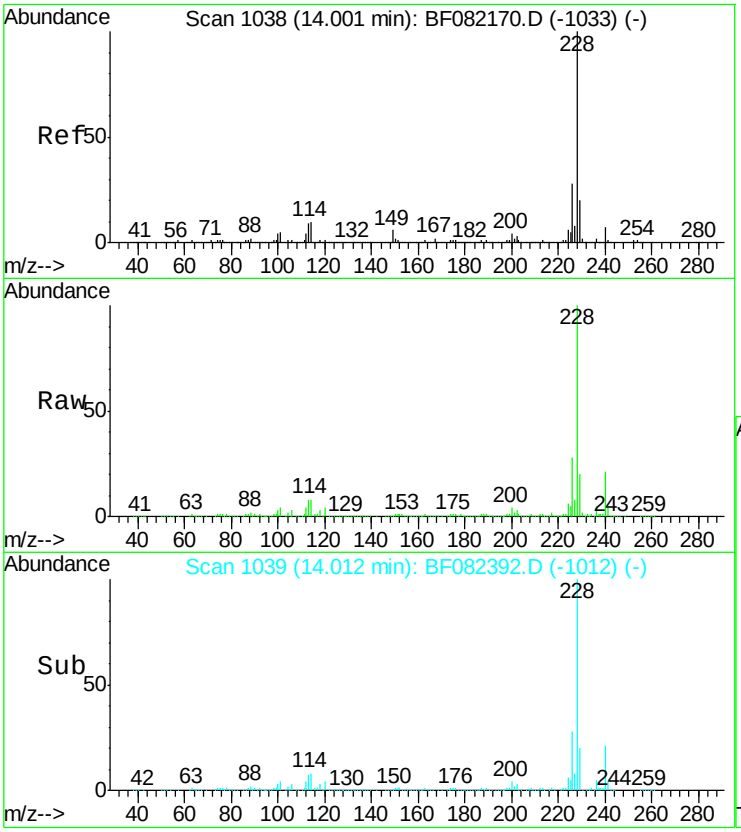


#78
Terphenyl-d14
Concen: 1.84 ng
RT: 12.93 min Scan# 944
Delta R.T. -0.03 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:244 Resp: 15983

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.6
122	14.6	5.9	8.9#



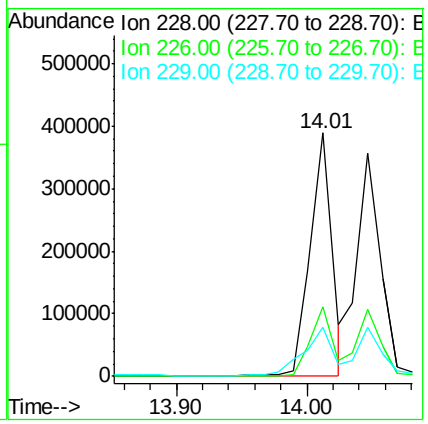


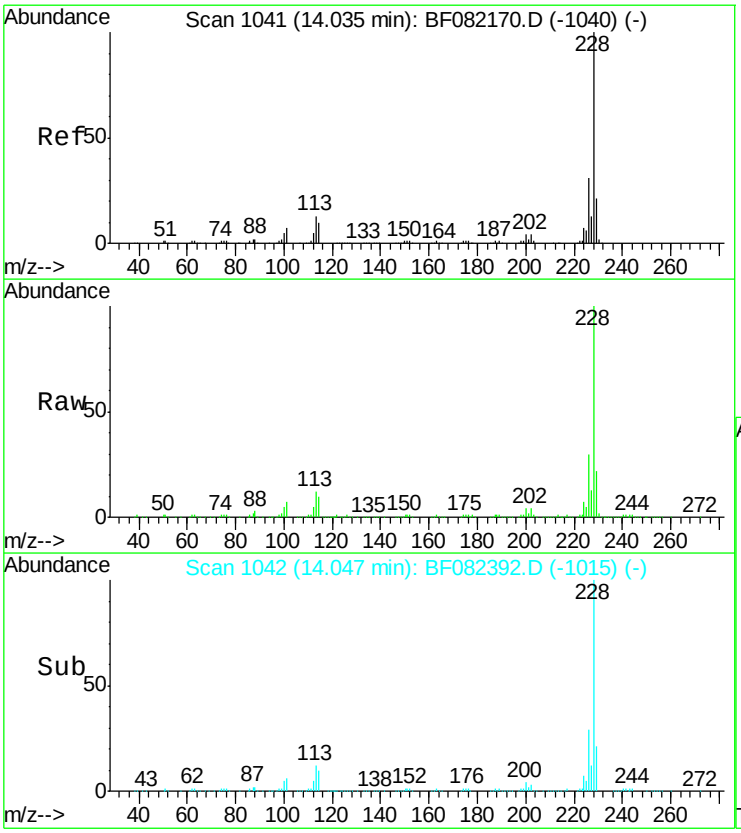
#80
Benzo(a)anthracene
Concen: 37.31 ng
RT: 14.01 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:228 Resp: 446570

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	20.3	16.2	24.2

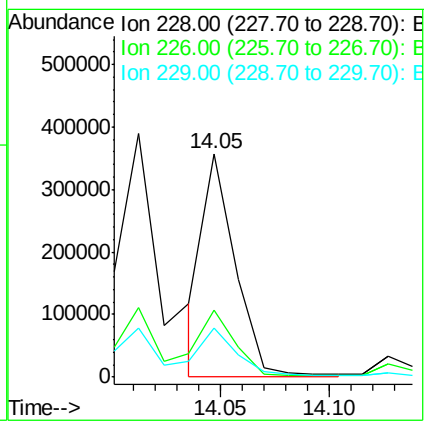


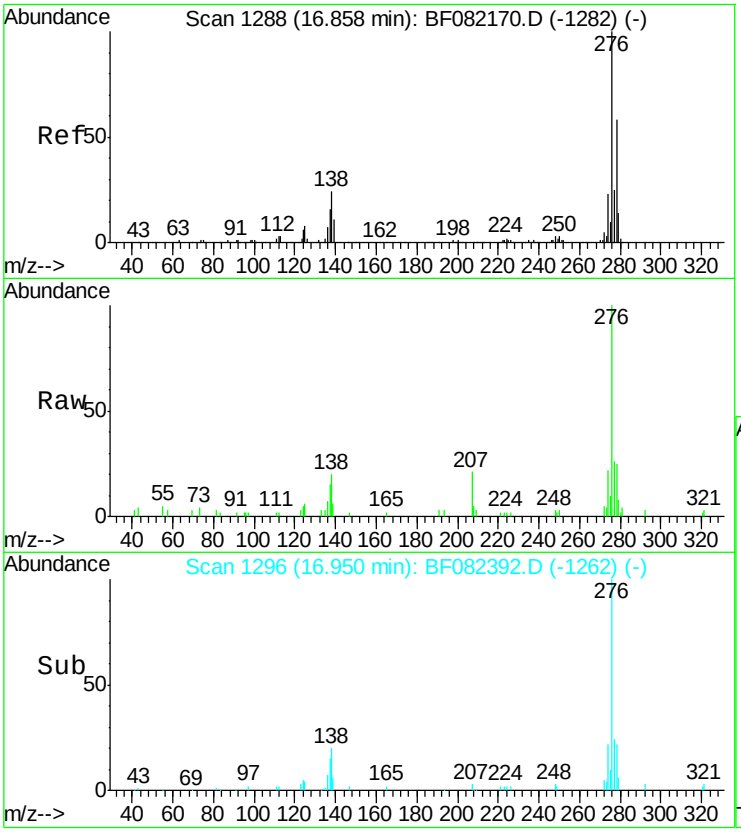


#82
Chrysene
Concen: 29.24 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:228 Resp: 368697

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	22.0	16.3	24.5



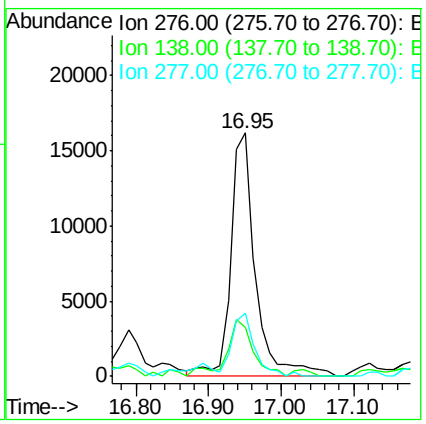


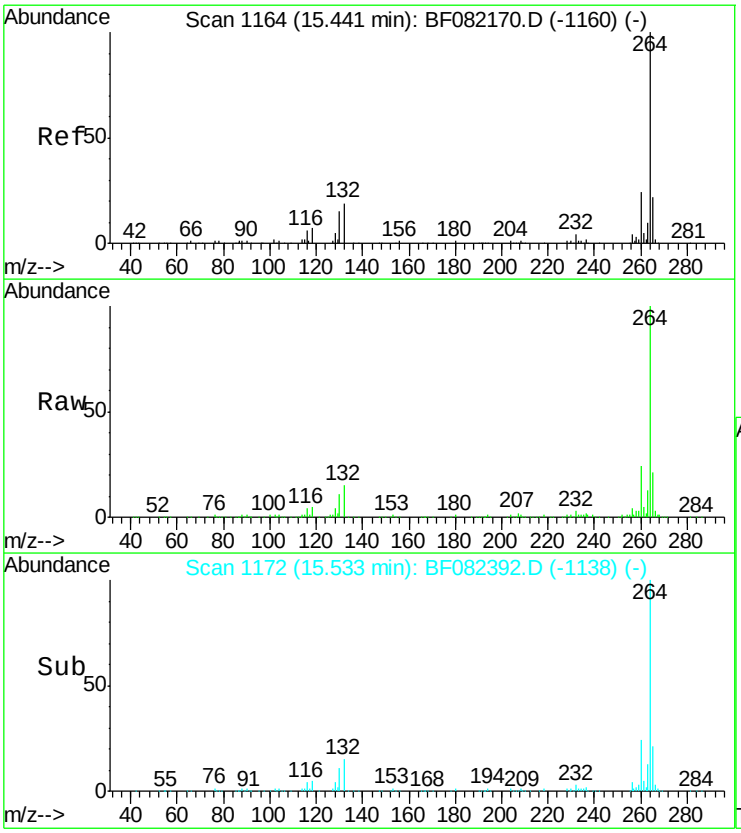
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.82 ng
RT: 16.95 min Scan# 1296
Delta R.T. 0.09 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:276 Resp: 38287

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.7	29.5
277	24.0	20.1	30.1

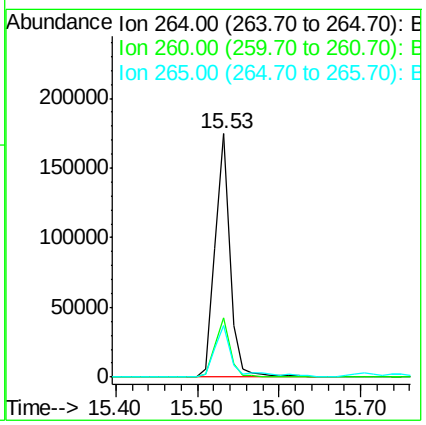


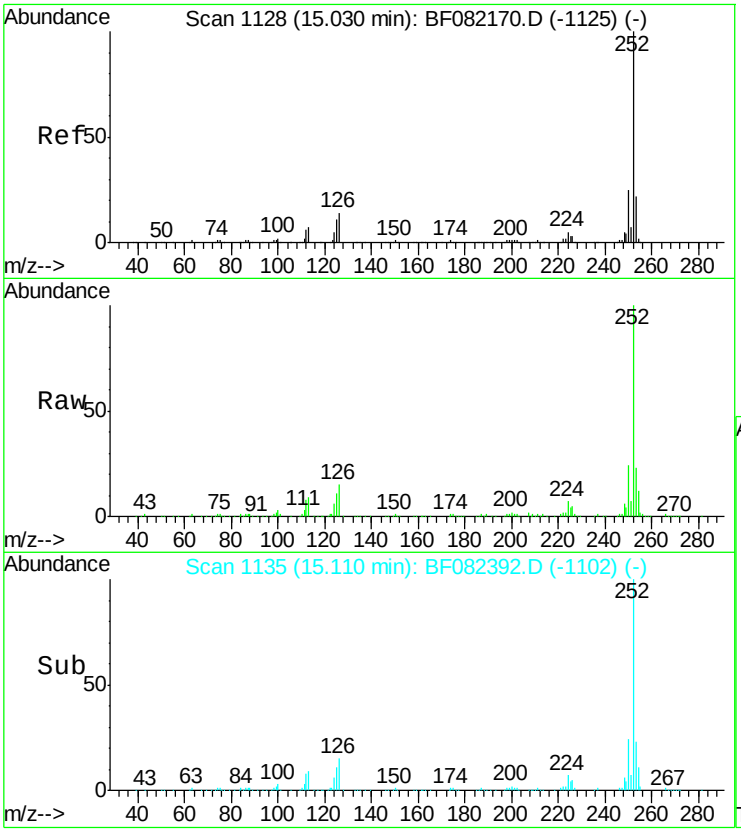


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. 0.09 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:264 Resp: 225063

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	21.4	17.3	25.9



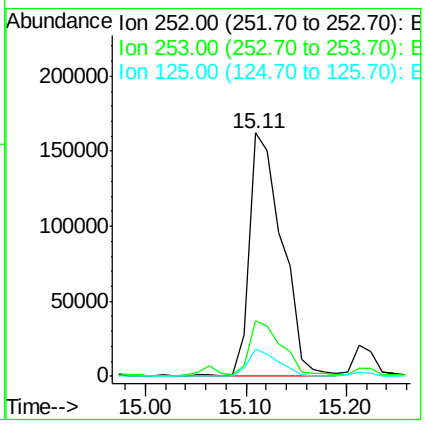


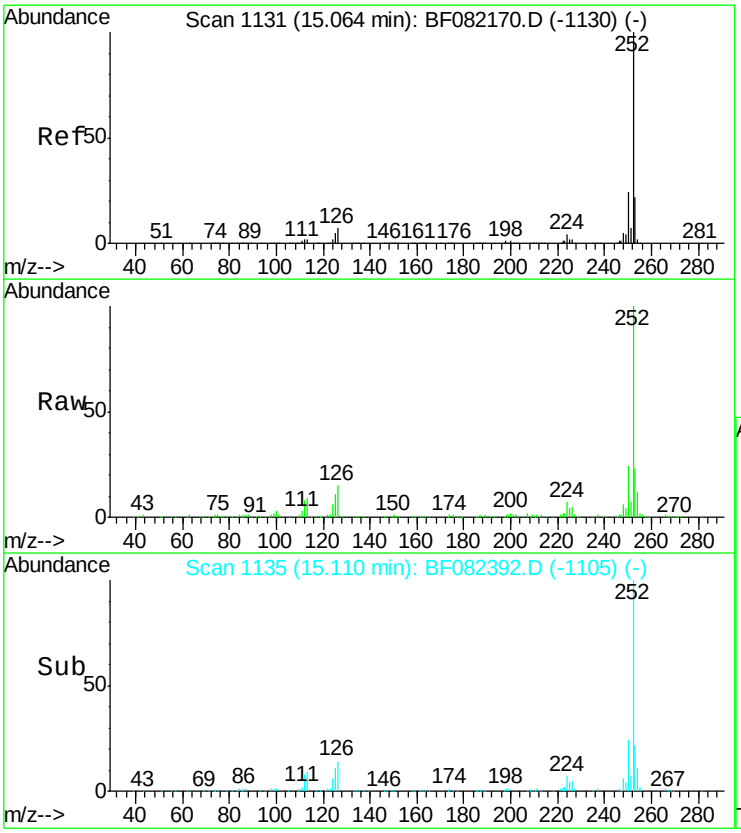
#87
Benzo(b)fluoranthene
Concen: 26.47 ng
RT: 15.11 min Scan# 1135
Delta R.T. 0.08 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:252 Resp: 362480

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.2	8.6	12.8

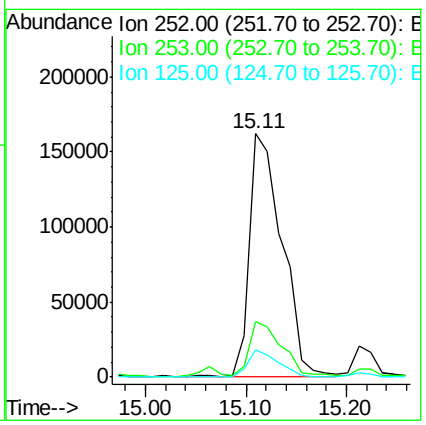


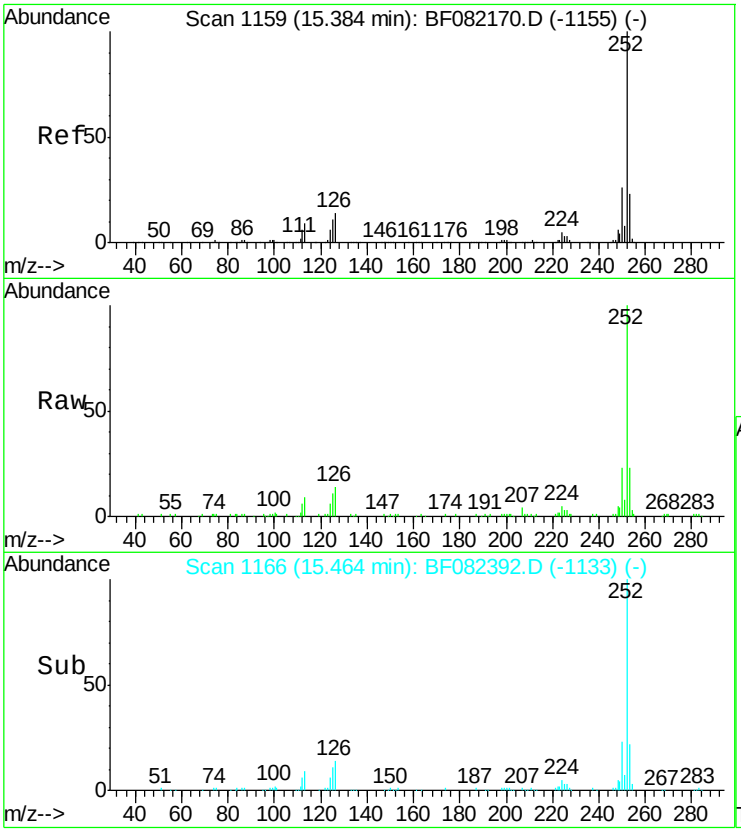


#88
Benzo(k)fluoranthene
Concen: 31.50 ng
RT: 15.11 min Scan# 1135
Delta R.T. 0.05 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:252 Resp: 362480

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.2	6.7	10.1#



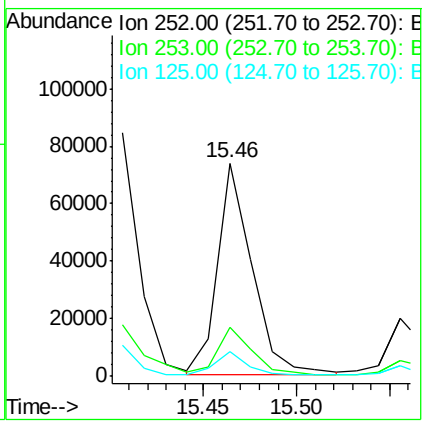


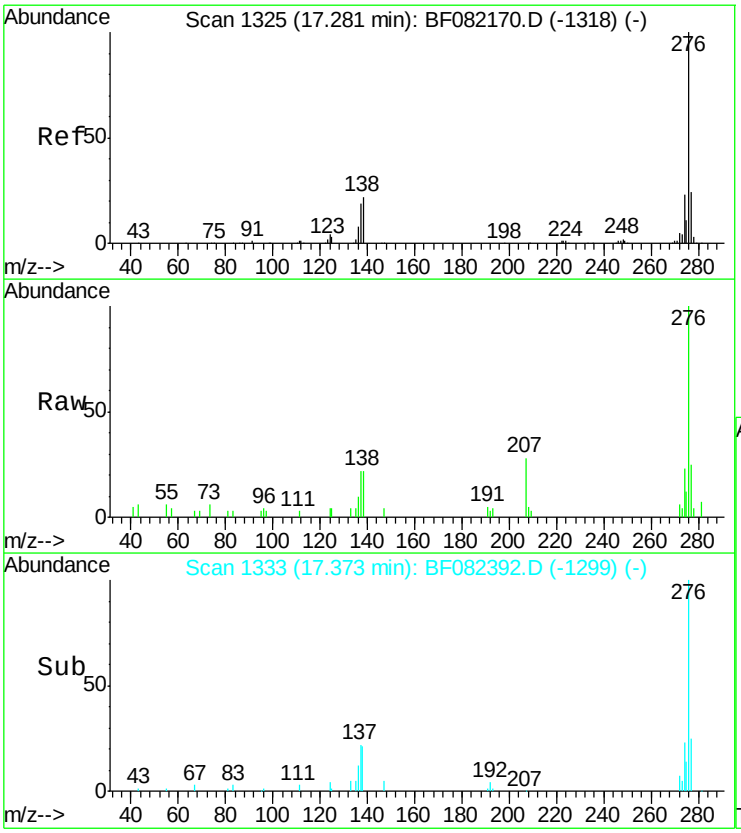
#89
Benzo(a)pyrene
Concen: 8.12 ng
RT: 15.46 min Scan# 1166
Delta R.T. 0.08 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Instrument :
BNA_F
ClientSampleId :
MANAHAWKEN112DL

Tgt Ion:252 Resp: 95559

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	11.4	8.9	13.3





#91
Benzo(g,h,i)perylene
Concen: 2.65 ng
RT: 17.37 min Scan# 1333
Delta R.T. 0.09 min
Lab File: BF082392.D
Acq: 20 Oct 2015 9:48

Tgt Ion:276 Resp: 24780

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	22.0	17.4	26.2