Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083439.D
Acq On : 3 Dec 2015 2:49
Operator : UM/IZ
Sample : G4582-15
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-P3WC-08(8-14)

Quant Time: Dec 03 06:46:35 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	584848	20.00	ng		0.15
21) Naphthalene-d8	7.84	136	528113	20.00	ng		0.00
38) Acenaphthene-d10	9.57	164	272932	20.00	ng		-0.01
63) Phenanthrene-d10	11.12	188	487935	20.00	ng		-0.01
75) Chrysene-d12	14.74	240	333436	20.00	ng		-0.02
86) Perylene-d12	16.80	264	337682	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.13	112	1351549	34.68	ng		0.00
7) Phenol-d6	6.21	99	1864624	34.95	ng		-0.01
23) Nitrobenzene-d5	7.12	82	1281857	106.70	ng		-0.01
41) 2,4,6-Tribromophenol	10.37	330	362075	132.15	ng		-0.01
44) 2-Fluorobiphenyl	8.91	172	1635702	85.40	ng		-0.01
78) Terphenyl-d14	13.21	244	1460634	104.47	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.32	77	37464	Below Cal			83
19) n-Nitroso-di-n-propylamine	7.12	70	195118	5.12	ng	#	80
31) Naphthalene	7.87	128	9273480	323.63	ng	#	88
33) 4-Chloroaniline	7.87	127	1545063	125.08	ng	#	33
35) Caprolactam	8.28	113	21925	8.22	ng	#	11
37) 2-Methylnaphthalene	8.65	142	1510330	78.87	ng		95
45) 1,1'-Biphenyl	9.00	154	702316	29.34	ng		94
48) Acenaphthylene	9.44	152	298597	10.26	ng	#	95
49) Dimethylphthalate	9.31	163	337292	15.21	ng		99
51) Acenaphthene	9.62	154	2197702	128.43	ng		98
54) Dibenzofuran	9.62	168	55523	2.21	ng		92
55) 4-Nitrophenol	9.78	139	71544	20.60	ng	#	1
56) 2,4-Dinitrotoluene	9.79	165	21592	3.59	ng	#	46
57) Fluorene	10.12	166	1199684	60.58	ng		99
65) n-Nitrosodiphenylamine	10.24	169	49013	2.86	ng	#	1
66) 4-Bromophenyl-phenylether	10.36	248	23359	4.38	ng	#	1
70) Phenanthrene	11.16	178	4826786	167.16	ng		93
71) Anthracene	11.21	178	1665871	57.31	ng		99
74) Fluoranthene	12.66	202	2500605	83.54	ng		98
77) Pyrene	12.98	202	3572795	153.43	ng		97
80) Benzo(a)anthracene	14.77	228	931775	45.61	ng		96
82) Chrysene	14.77	228	933667	47.31	ng		99
85) Indeno(1,2,3-cd)pyrene	18.18	276	492825	34.28	ng		96
87) Benzo(b)fluoranthene	16.29	252	1227997	56.68	ng		98
88) Benzo(k)fluoranthene	16.29	252	1227997	60.02	ng	#	95
89) Benzo(a)pyrene	16.73	252	1081198	58.10	ng	#	98
90) Dibenzo(a,h)anthracene	18.19	278	123364	7.61	ng		100
91) Benzo(g,h,i)perylene	18.56	276	571562	35.91	ng		98

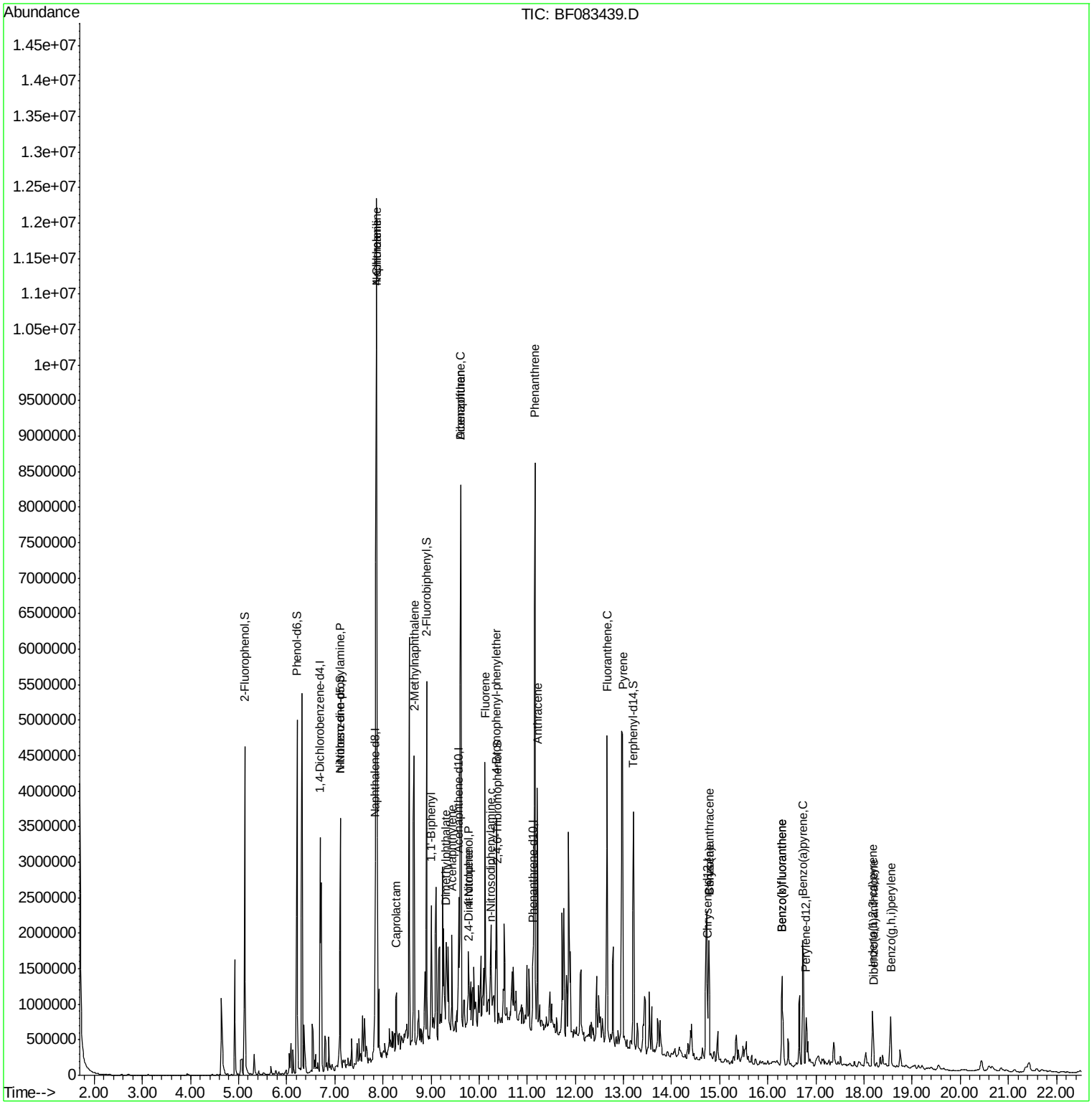
(#) = qualifier out of range (m) = manual integration (+) = signals summed

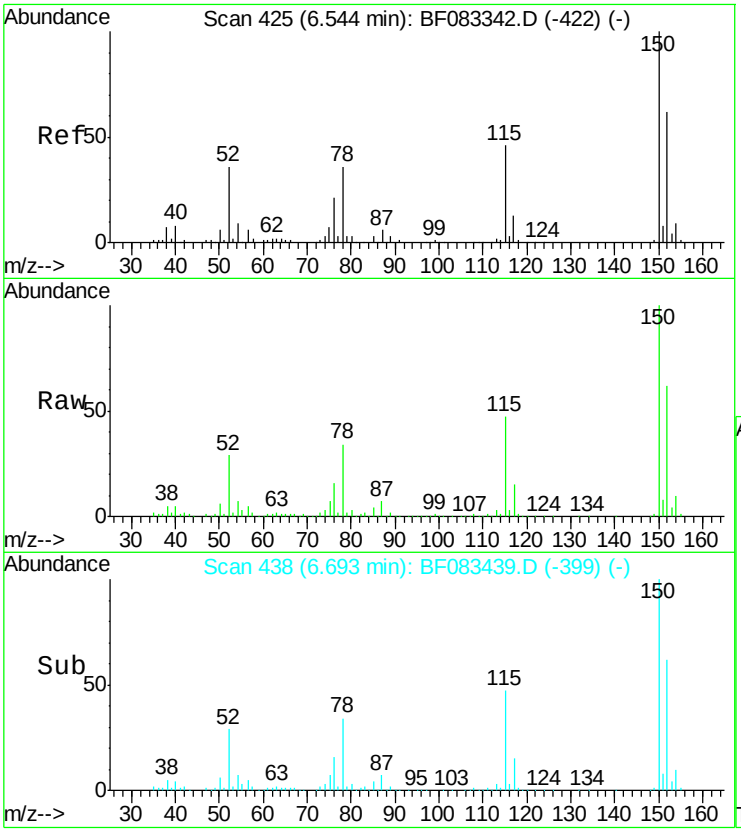
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083439.D
Acq On : 3 Dec 2015 2:49
Operator : UM/IZ
Sample : G4582-15
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Quant Time: Dec 03 06:46:35 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration



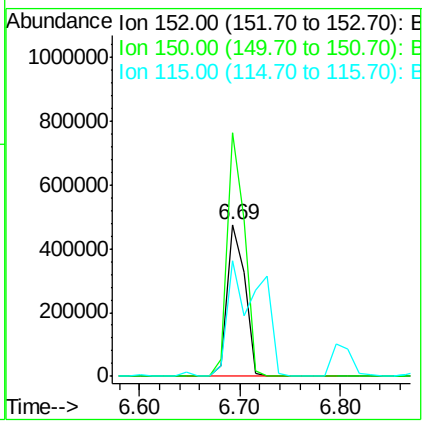


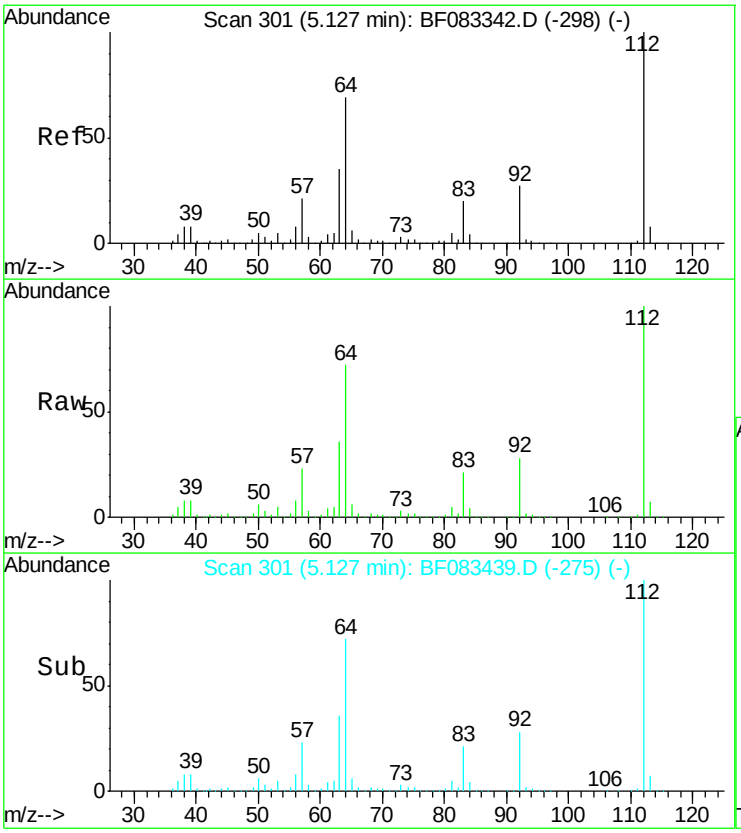
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 438
Delta R.T. 0.15 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:152 Resp: 584848

Ion	Ratio	Lower	Upper
152	100		
150	160.3	129.8	194.8
115	75.8	59.2	88.8

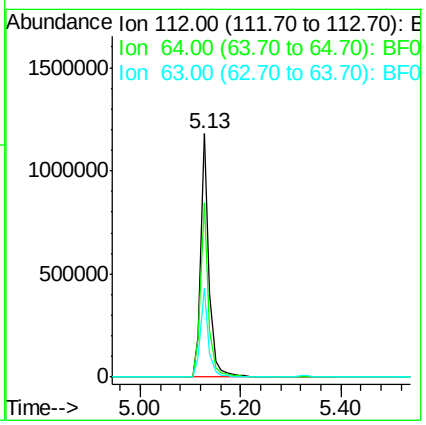


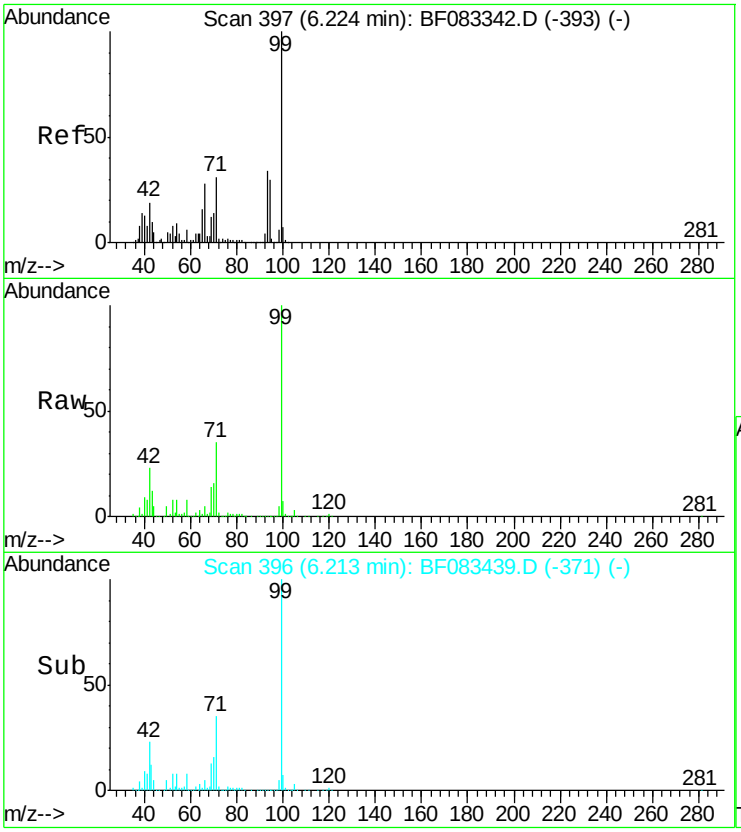


#5
2-Fluorophenol
Concen: 34.68 ng
RT: 5.13 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:112 Resp: 1351549

Ion	Ratio	Lower	Upper
112	100		
64	71.5	55.6	83.4
63	36.4	28.2	42.2



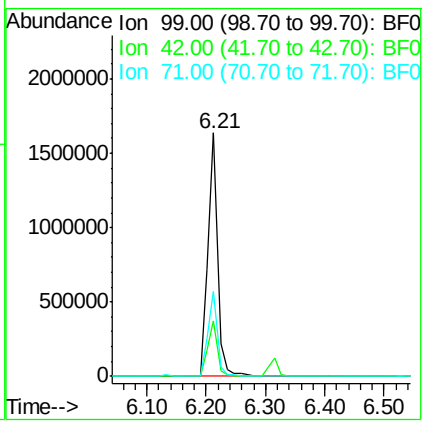


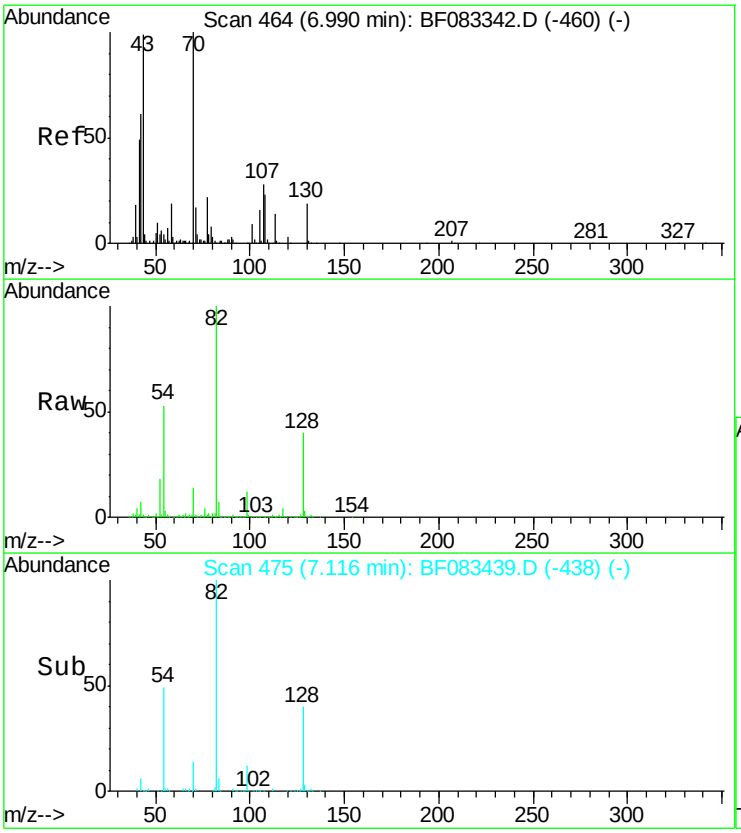
#7
Phenol-d6
Concen: 34.95 ng
RT: 6.21 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion: 99 Resp: 1864624

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.9	22.3#
71	35.1	24.7	37.1

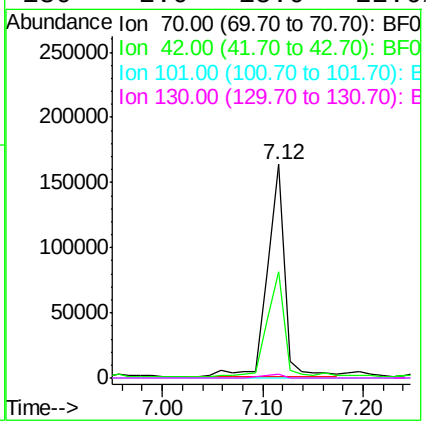


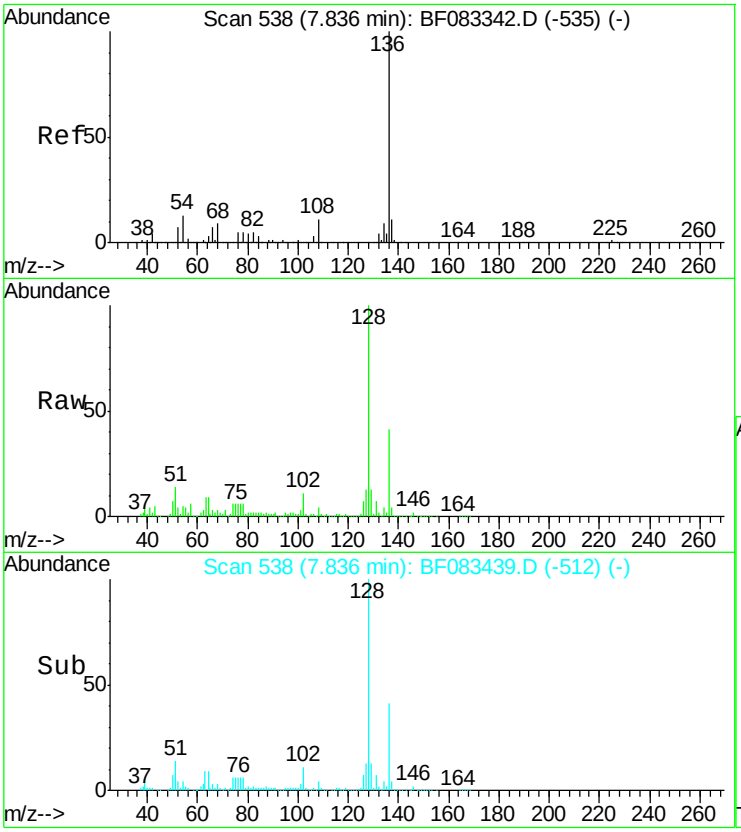


#19
n-Nitroso-di-n-propylamine
Concen: 5.12 ng
RT: 7.12 min Scan# 475
Delta R.T. 0.13 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion: 70 Resp: 195118

Ion	Ratio	Lower	Upper
70	100		
42	50.0	48.8	73.2
101	0.0	7.1	10.7#
130	2.0	15.0	22.6#



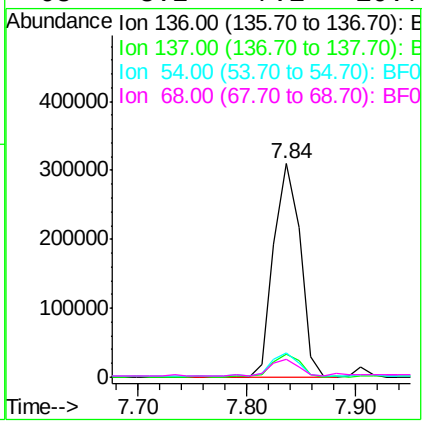


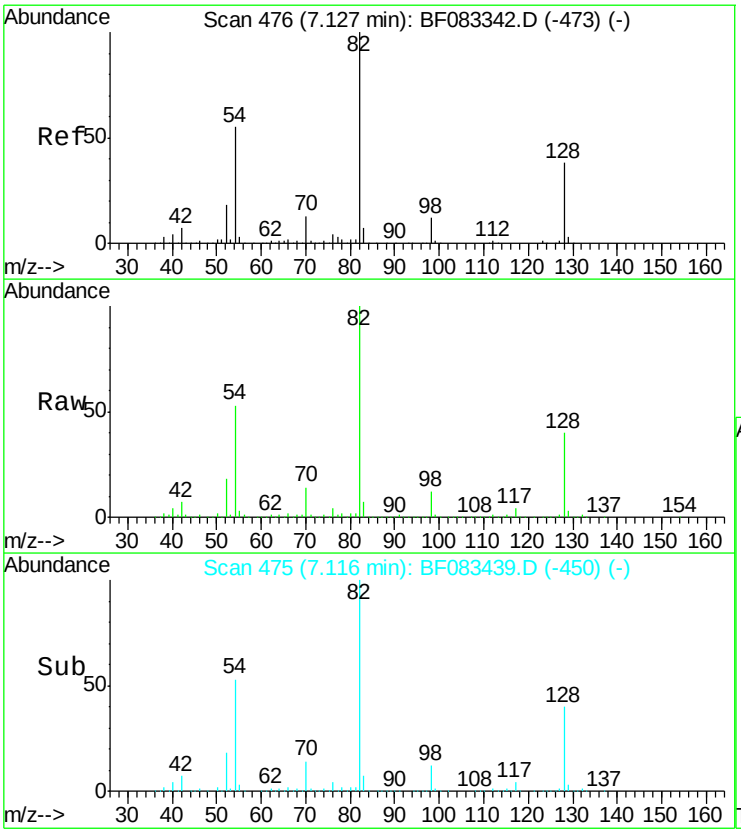
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:136 Resp: 528113

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	11.3	10.1	15.1
68	8.2	7.1	10.7

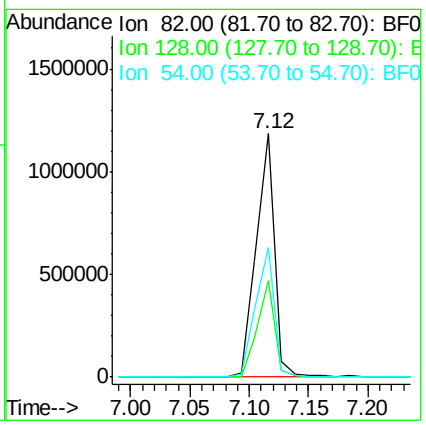


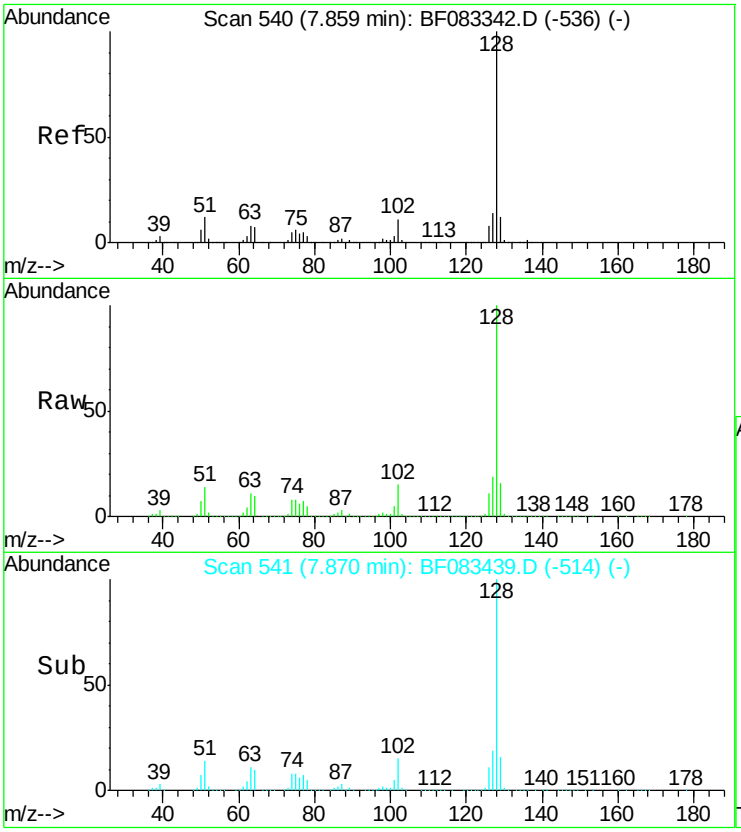


#23
Nitrobenzene-d5
Concen: 106.70 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion: 82 Resp: 1281857

Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.6	46.0
54	53.2	43.8	65.6



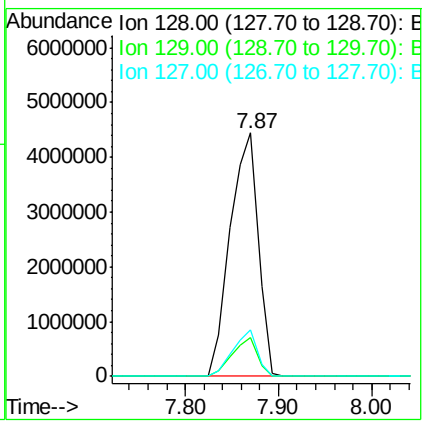


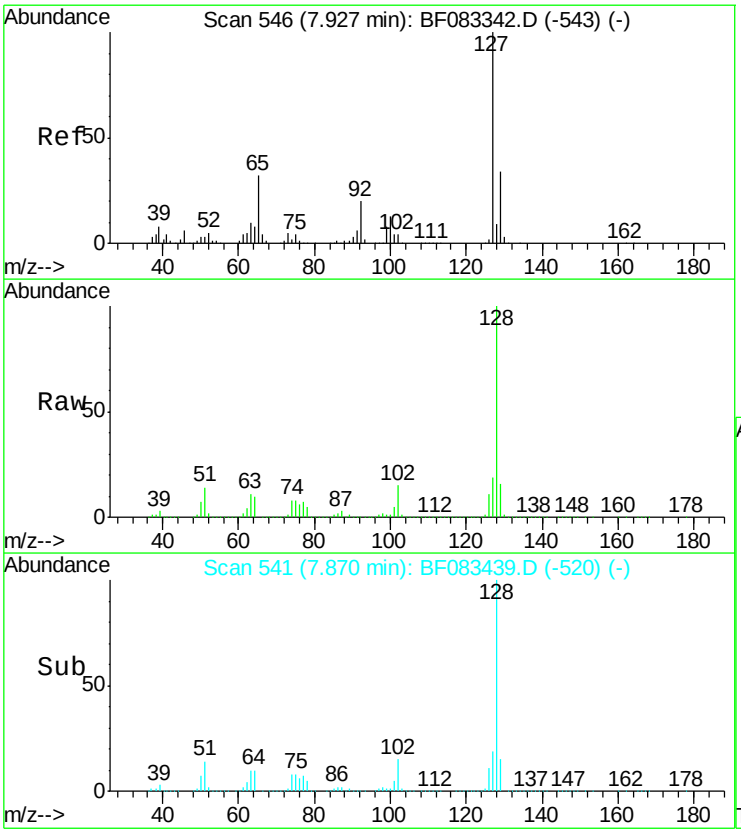
#31
Naphthalene
Concen: 323.63 ng
RT: 7.87 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:128 Resp: 9273480

Ion	Ratio	Lower	Upper
128	100		
129	16.1	9.7	14.5#
127	18.9	11.0	16.4#

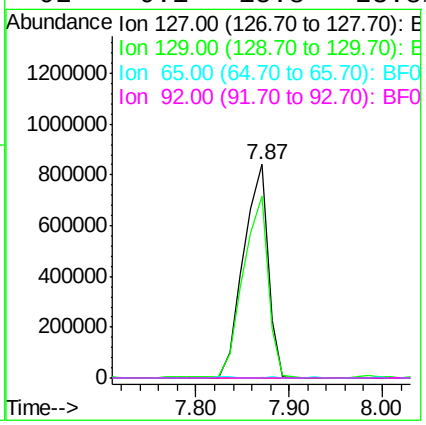


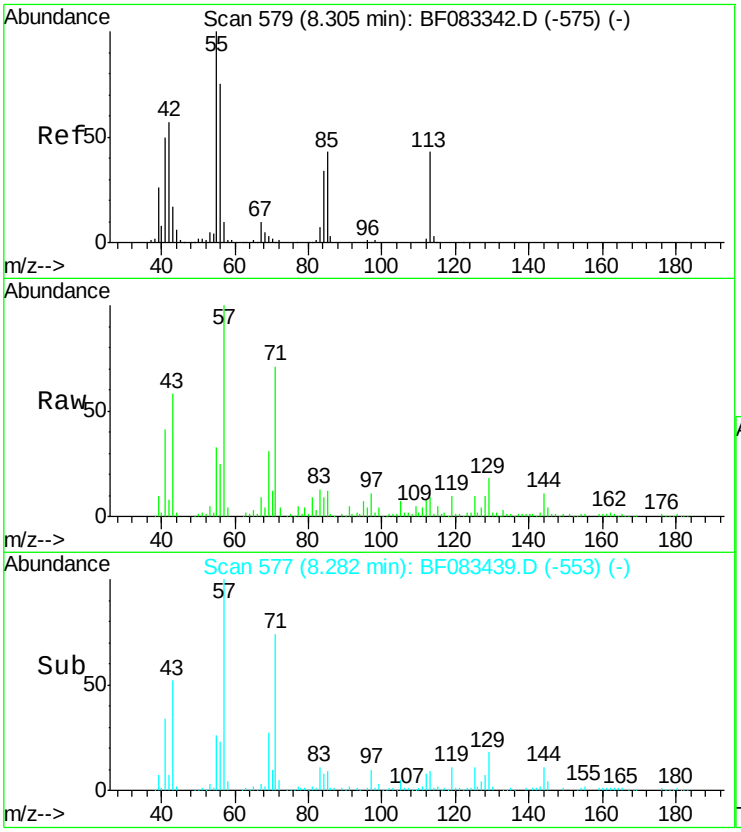


#33
4-Chloroaniline
Concen: 125.08 ng
RT: 7.87 min Scan# 541
Delta R.T. -0.06 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:127 Resp: 1545063

Ion	Ratio	Lower	Upper
127	100		
129	84.8	27.0	40.4#
65	0.0	25.9	38.9#
92	0.1	15.8	23.8#



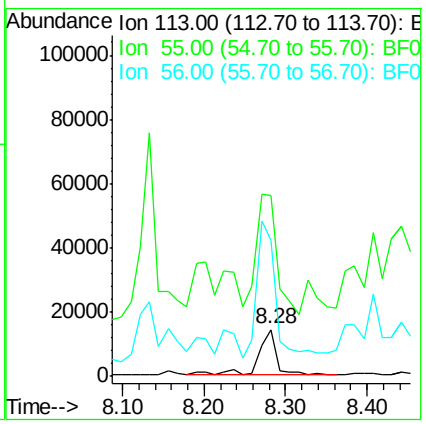


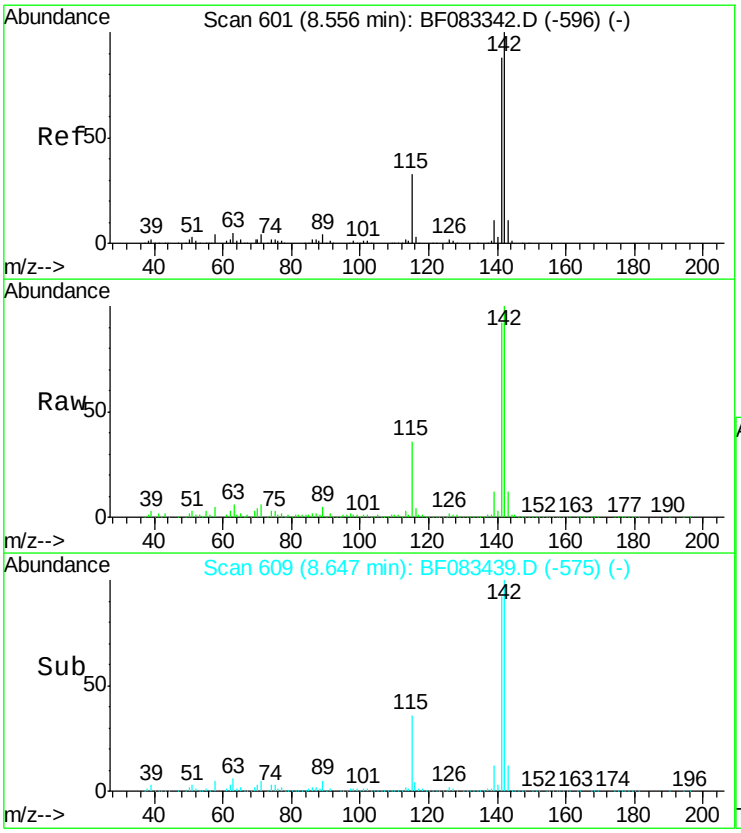
#35
Caprolactam
Concen: 8.22 ng
RT: 8.28 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:113 Resp: 21925

Ion	Ratio	Lower	Upper
113	100		
55	386.7	211.6	251.6#
56	289.2	153.0	193.0#

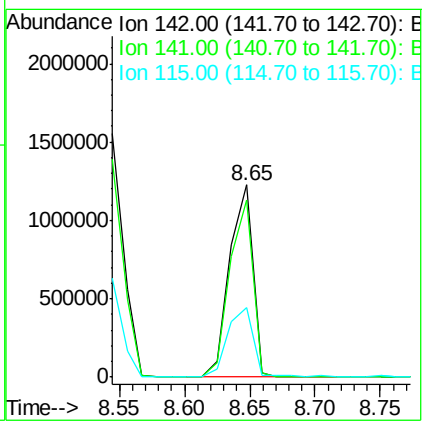


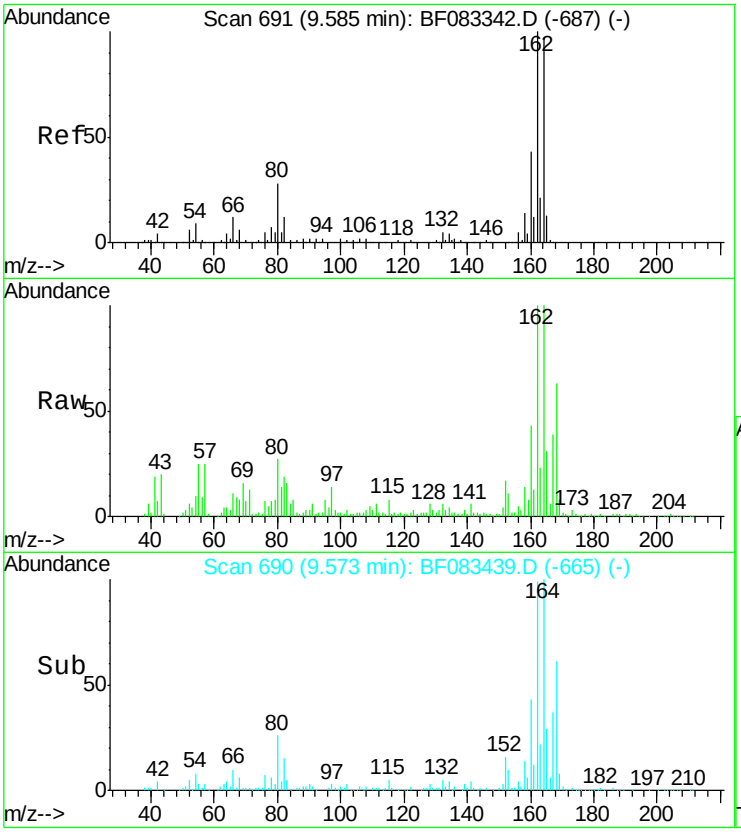


#37
2-Methylnaphthalene
Concen: 78.87 ng
RT: 8.65 min Scan# 609
Delta R.T. 0.09 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:142 Resp: 1510330

Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.6	105.8
115	36.4	26.2	39.2



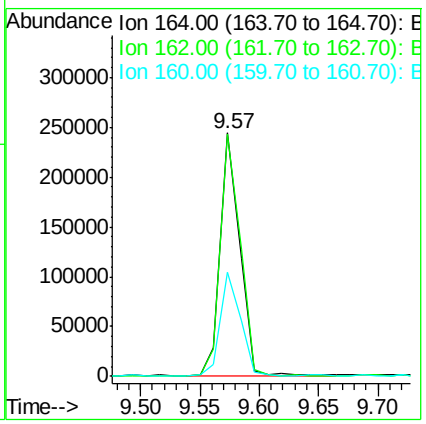


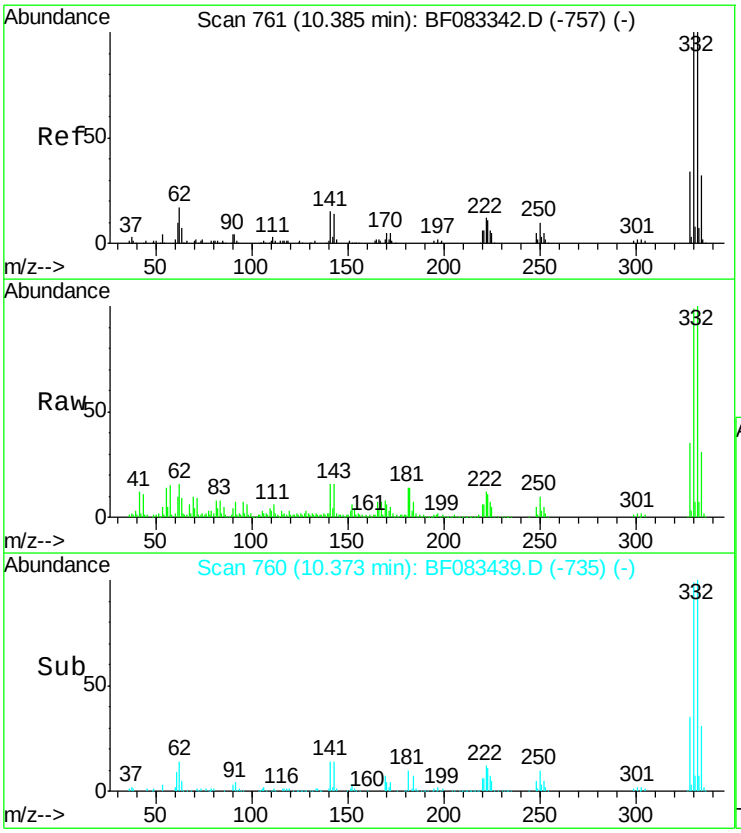
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:164 Resp: 272932

Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.6	123.8
160	42.8	35.3	52.9

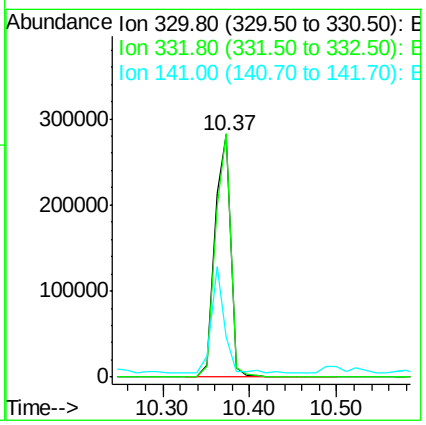


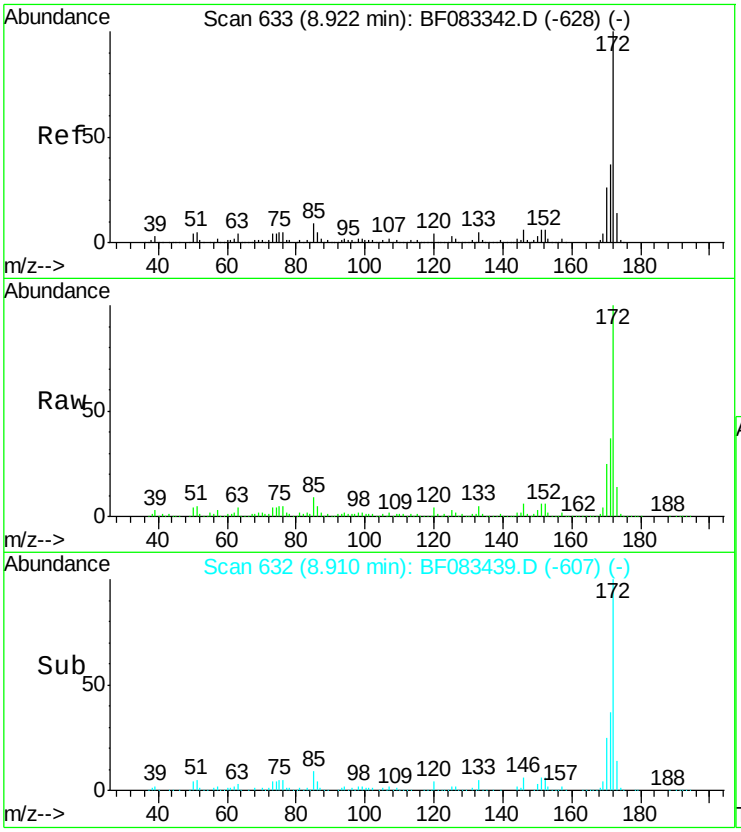


#41
2,4,6-Tribromophenol
Concen: 132.15 ng
RT: 10.37 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:330 Resp: 362075

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.8	116.6
141	37.3	29.4	44.0



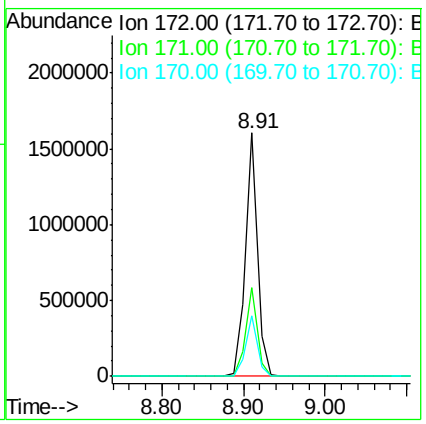


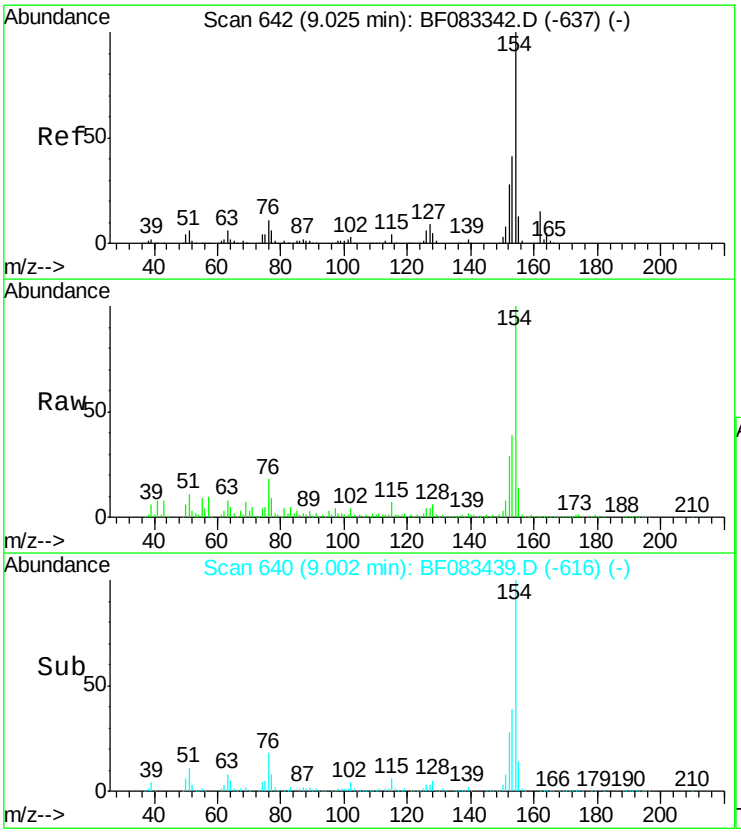
#44
2-Fluorobiphenyl
Concen: 85.40 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:172 Resp: 1635702

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	25.1	20.4	30.6

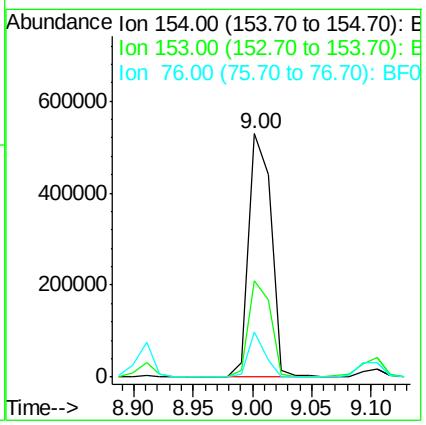


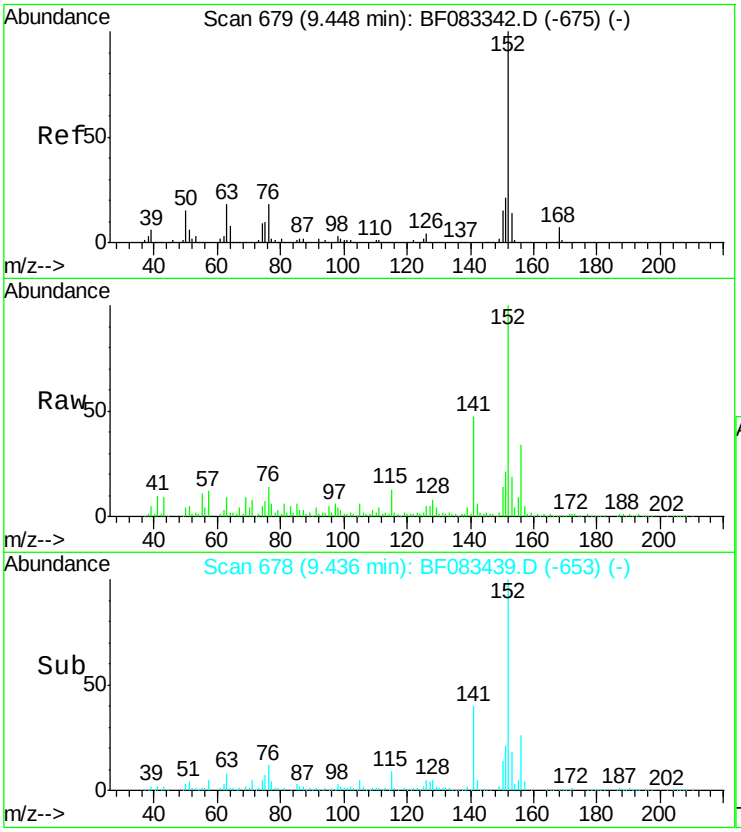


#45
1,1'-Biphenyl
Concen: 29.34 ng
RT: 9.00 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:154 Resp: 702316

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.6	60.6
76	18.5	0.0	30.5



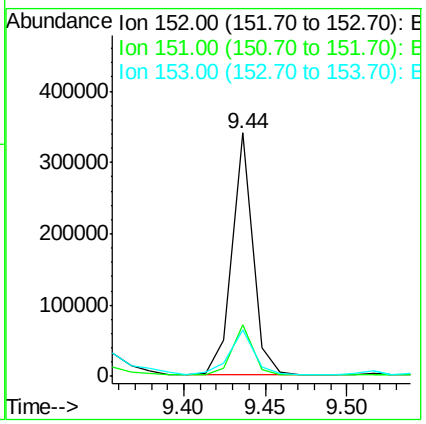


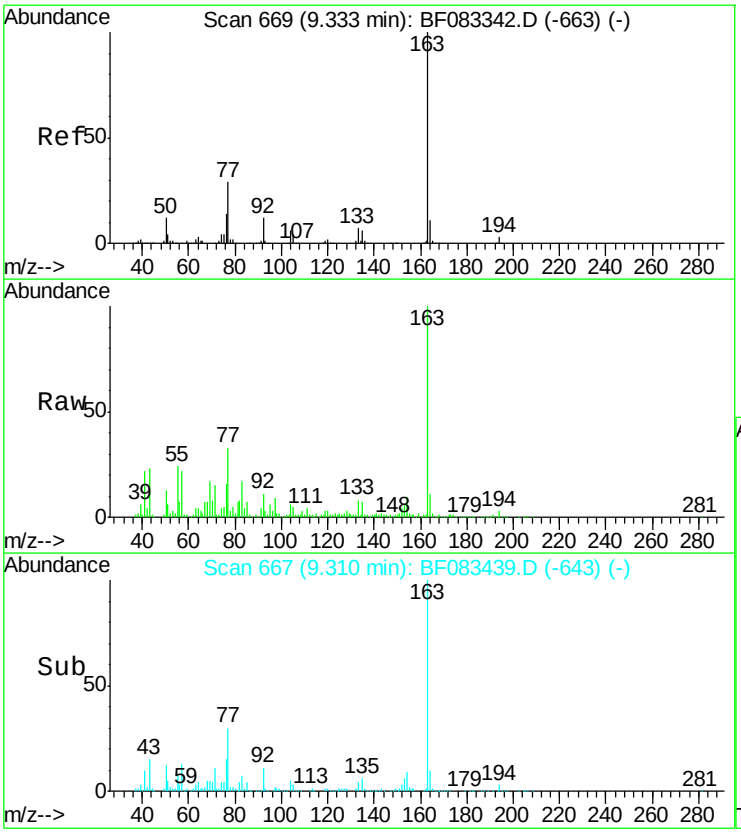
#48
Acenaphthylene
Concen: 10.26 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:152 Resp: 298597

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.7	25.1
153	18.9	11.2	16.8#

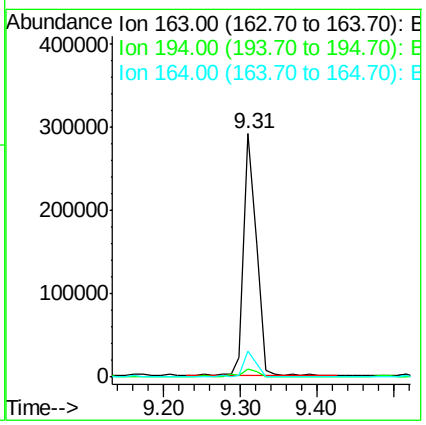


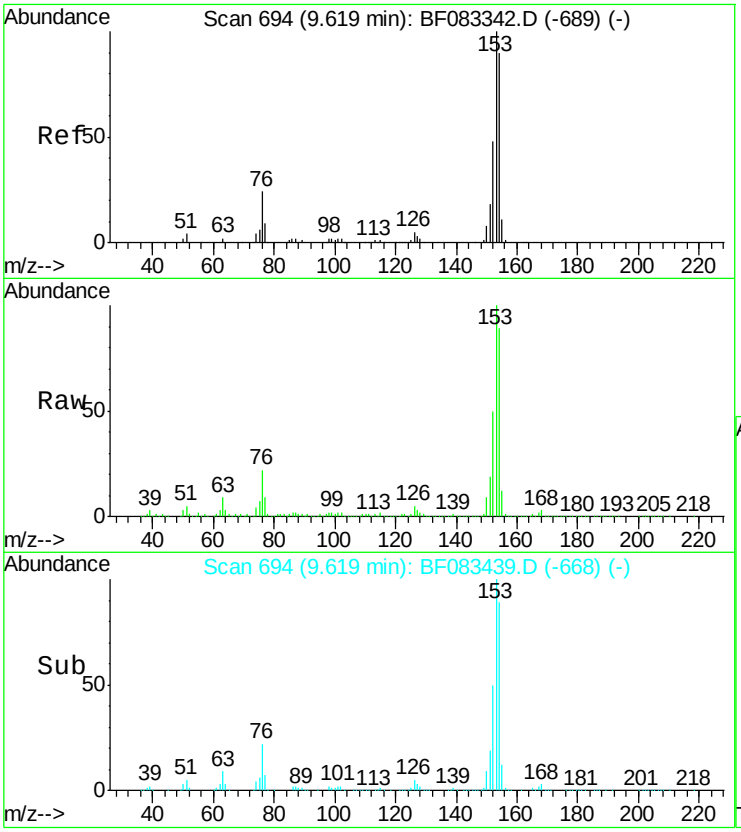


#49
Dimethylphthalate
Concen: 15.21 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:163 Resp: 337292

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.6	8.8	13.2



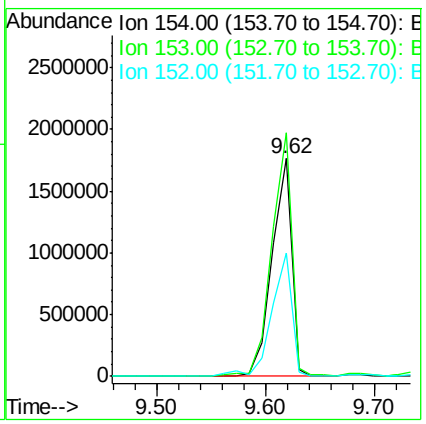


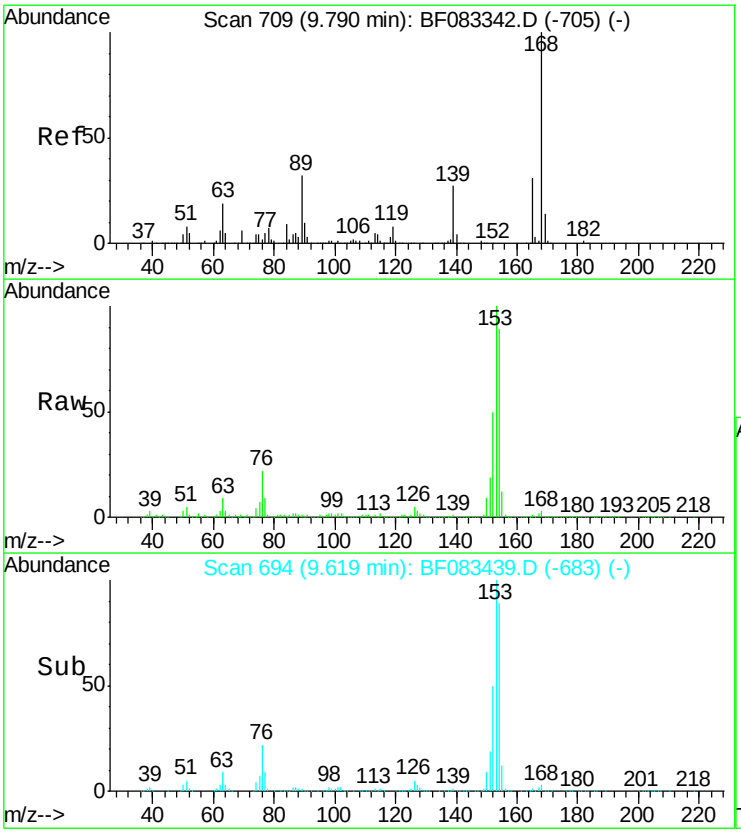
#51
Acenaphthene
Concen: 128.43 ng
RT: 9.62 min Scan# 694
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:154 Resp: 2197702

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	56.4	42.5	63.7

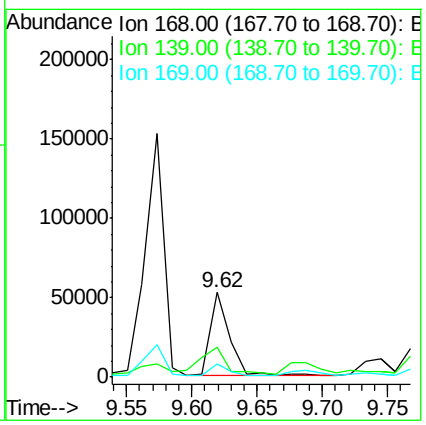


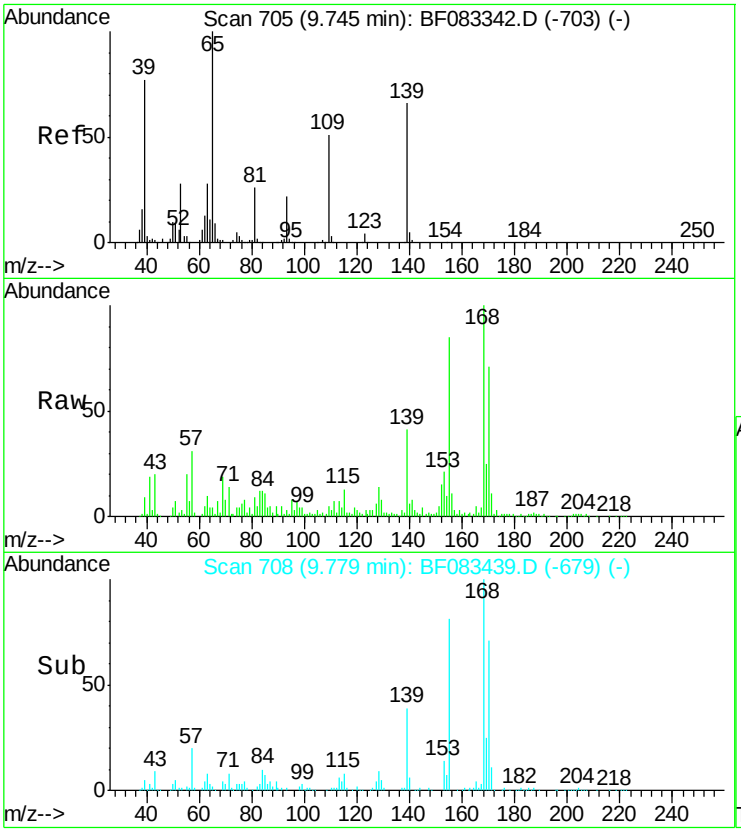


#54
Dibenzofuran
Concen: 2.21 ng
RT: 9.62 min Scan# 694
Delta R.T. -0.17 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:168 Resp: 55523

Ion	Ratio	Lower	Upper
168	100		
139	34.8	32.7	49.1
169	15.0	11.1	16.7



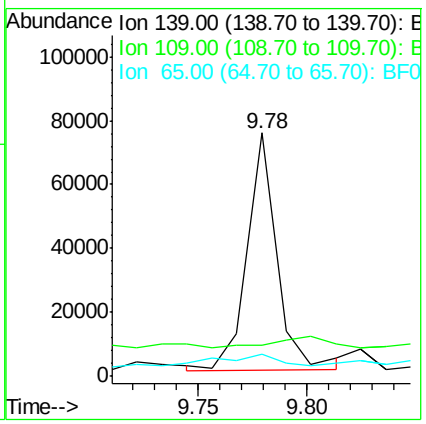


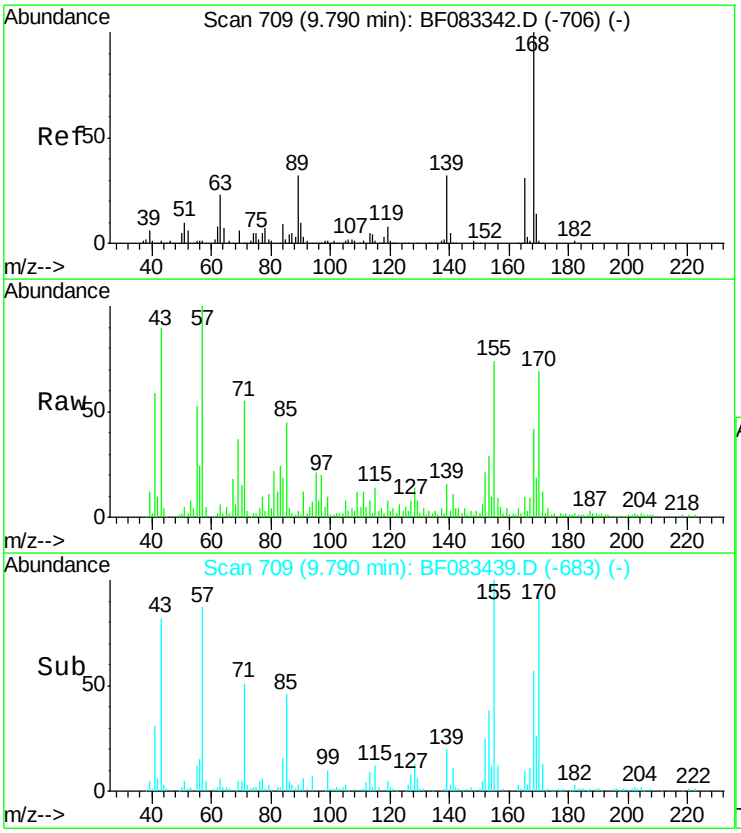
#55
4-Nitrophenol
Concen: 20.60 ng
RT: 9.78 min Scan# 708
Delta R.T. 0.03 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:139 Resp: 71544

Ion	Ratio	Lower	Upper
139	100		
109	12.7	57.4	97.4#
65	8.9	131.6	171.6#

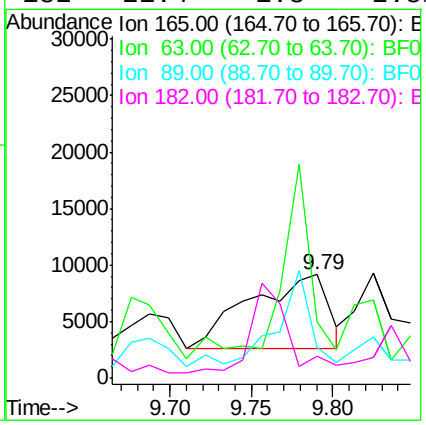


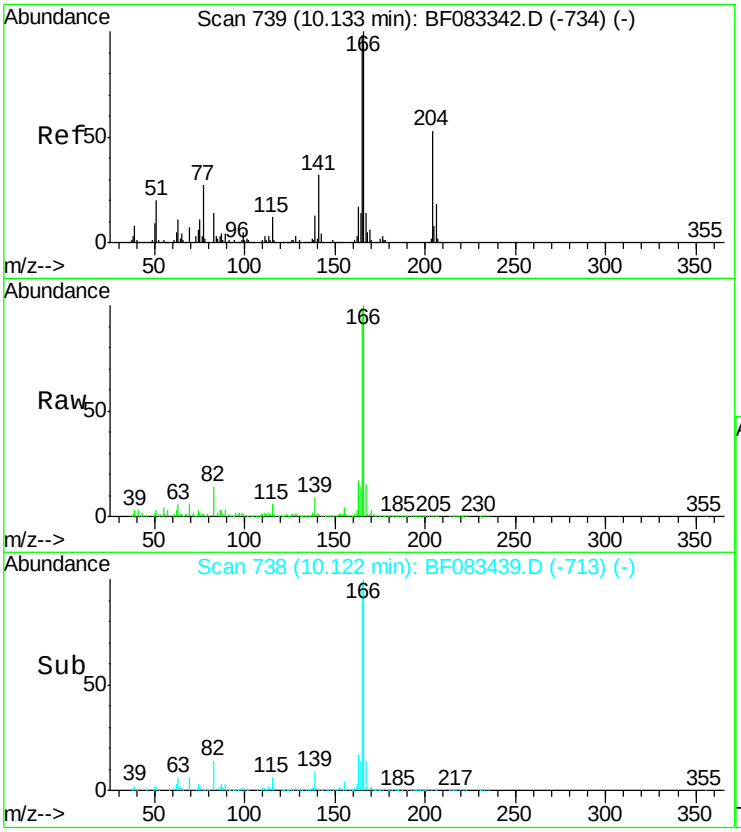


#56
2,4-Dinitrotoluene
Concen: 3.59 ng
RT: 9.79 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:165 Resp: 21592

Ion	Ratio	Lower	Upper
165	100		
63	54.2	65.4	98.0#
89	29.1	81.2	121.8#
182	21.4	1.8	2.8#



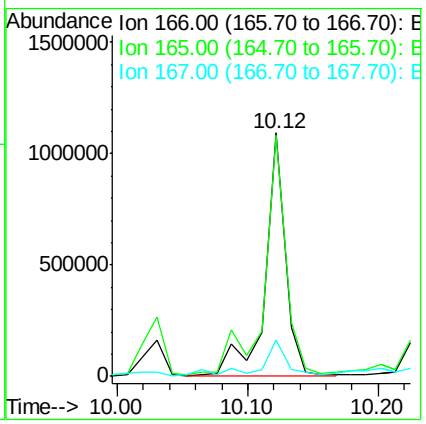


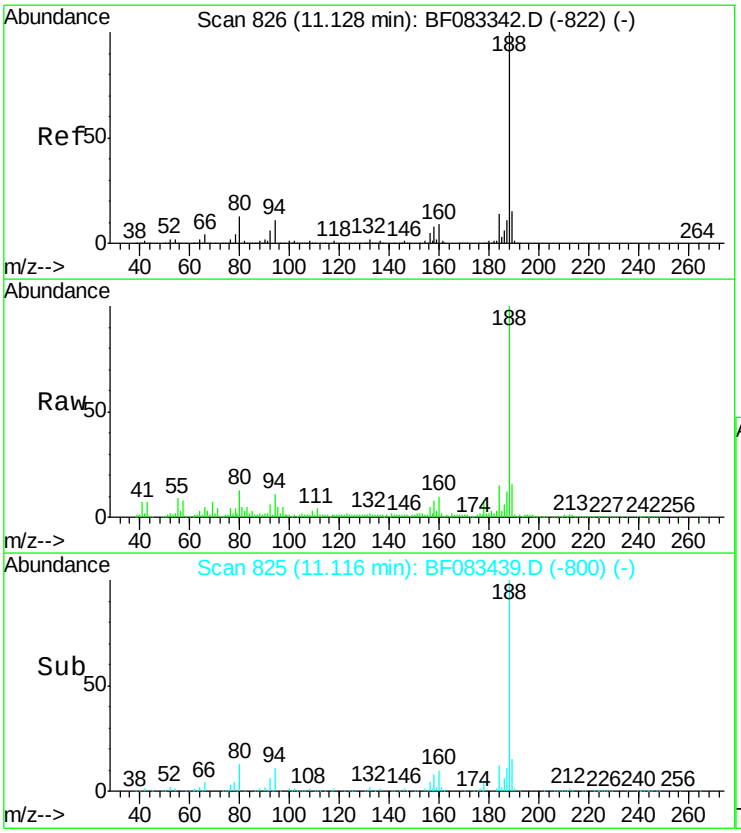
#57
Fluorene
Concen: 60.58 ng
RT: 10.12 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:166 Resp: 1199684

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.3	117.5
167	14.9	11.1	16.7

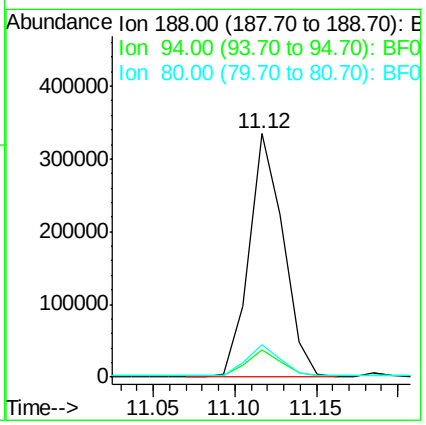


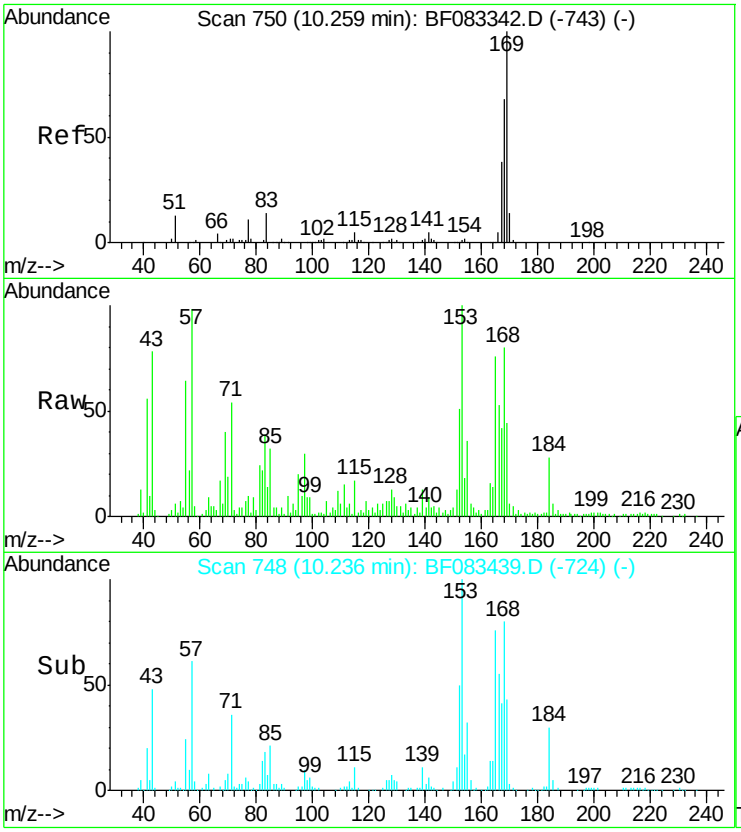


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:188 Resp: 487935

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.7	13.1
80	13.3	10.3	15.5



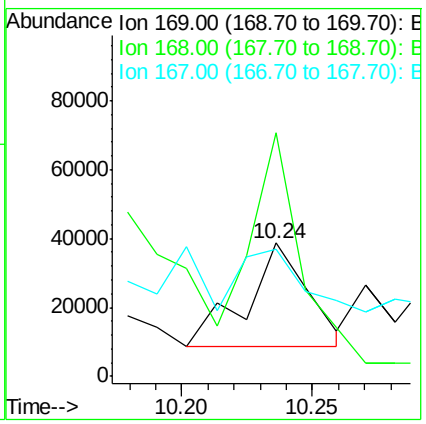


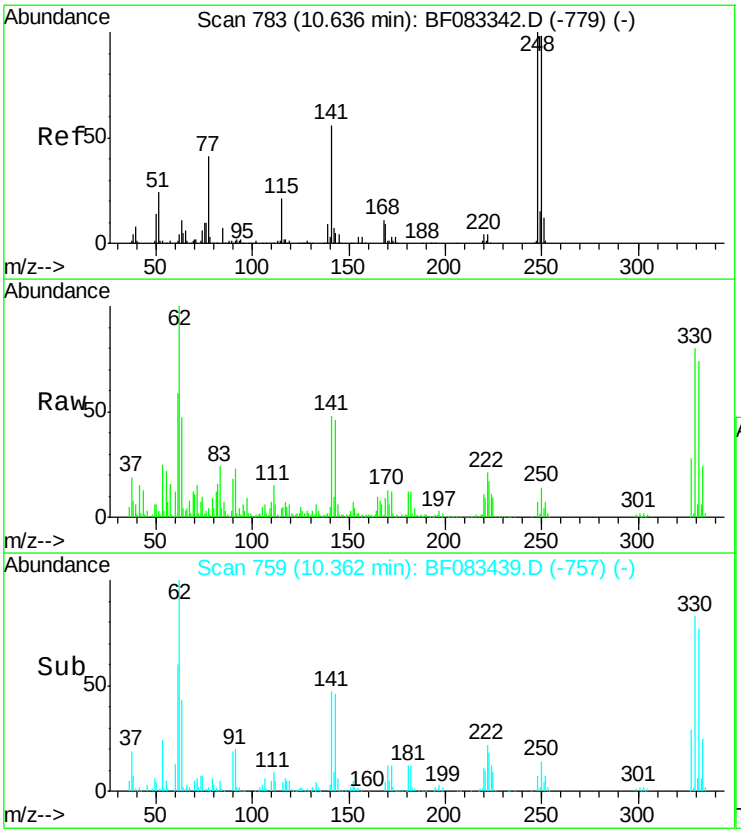
#65
n-Nitrosodiphenylamine
Concen: 2.86 ng
RT: 10.24 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:169 Resp: 49013

Ion	Ratio	Lower	Upper
169	100		
168	183.0	54.8	82.2#
167	95.4	30.2	45.2#

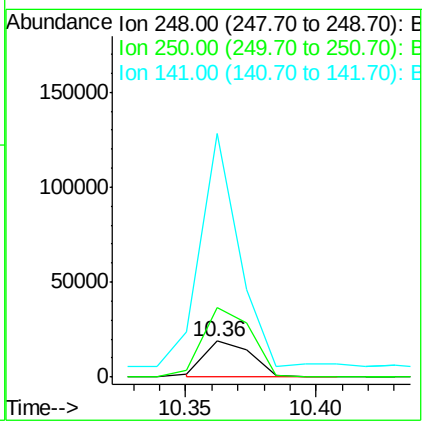


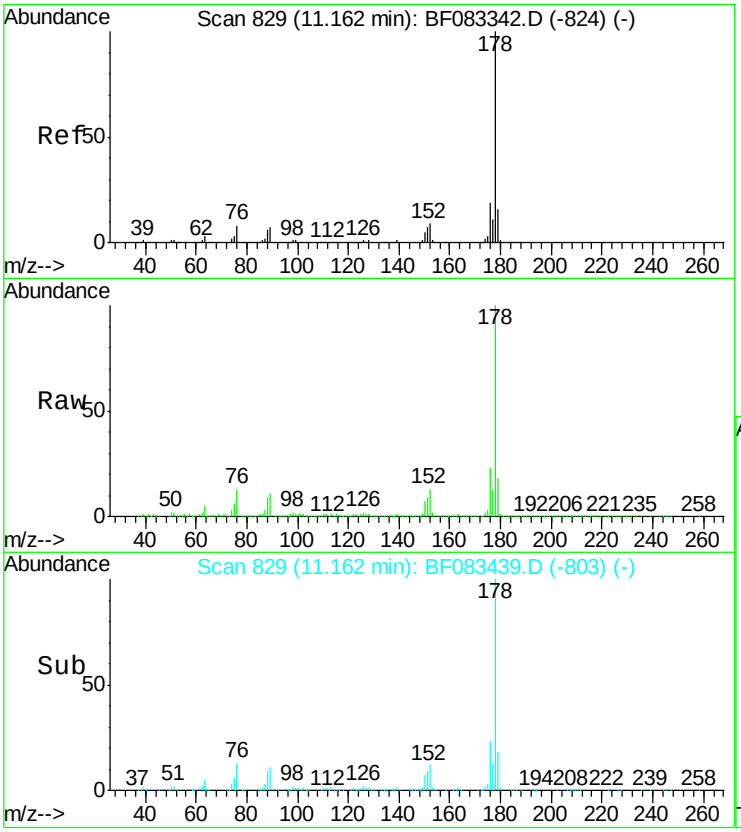


#66
4-Bromophenyl-phenylether
Concen: 4.38 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.27 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:248 Resp: 23359

Ion	Ratio	Lower	Upper
248	100		
250	190.9	78.6	118.0#
141	672.8	44.4	66.6#



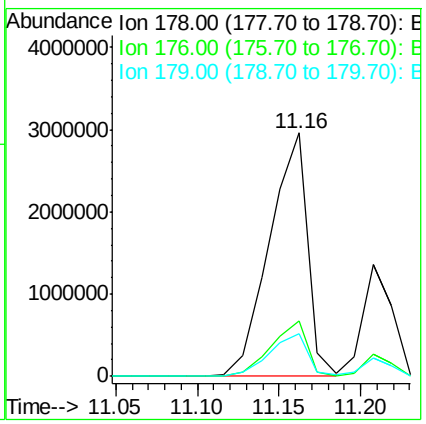


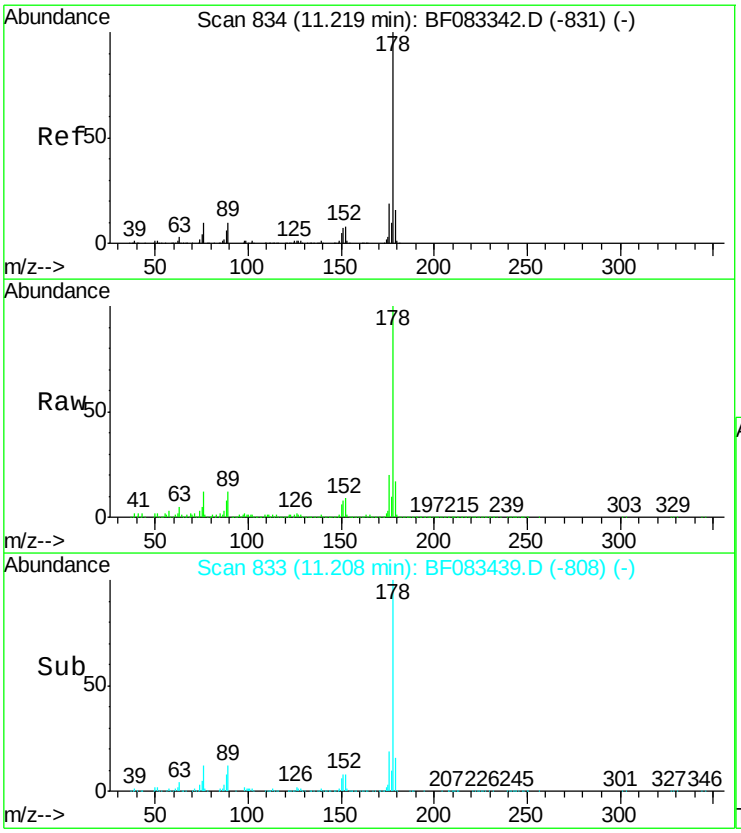
#70
Phenanthrene
Concen: 167.16 ng
RT: 11.16 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:178 Resp: 4826786

Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.3	22.9
179	17.8	12.4	18.6

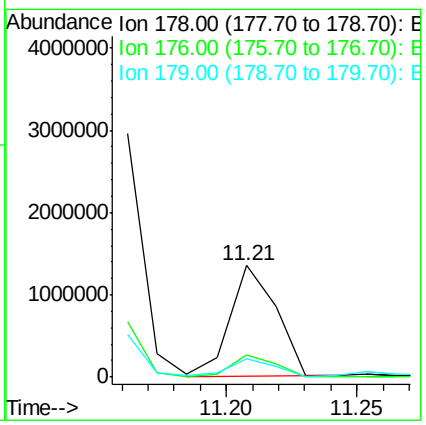


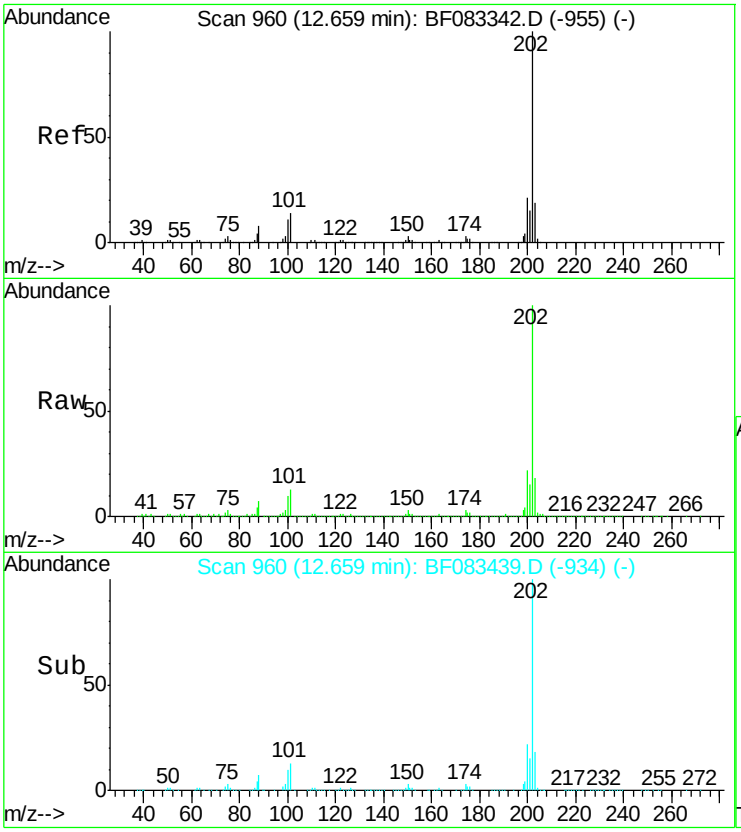


#71
Anthracene
Concen: 57.31 ng
RT: 11.21 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:178 Resp: 1665871

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	16.9	12.8	19.2



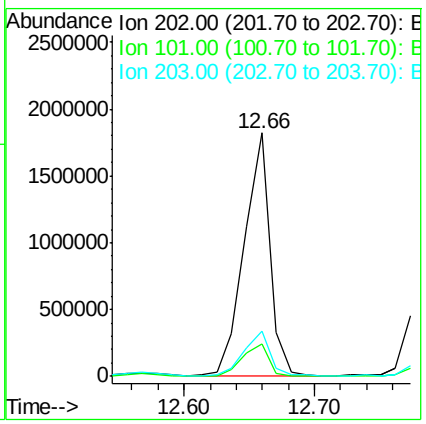


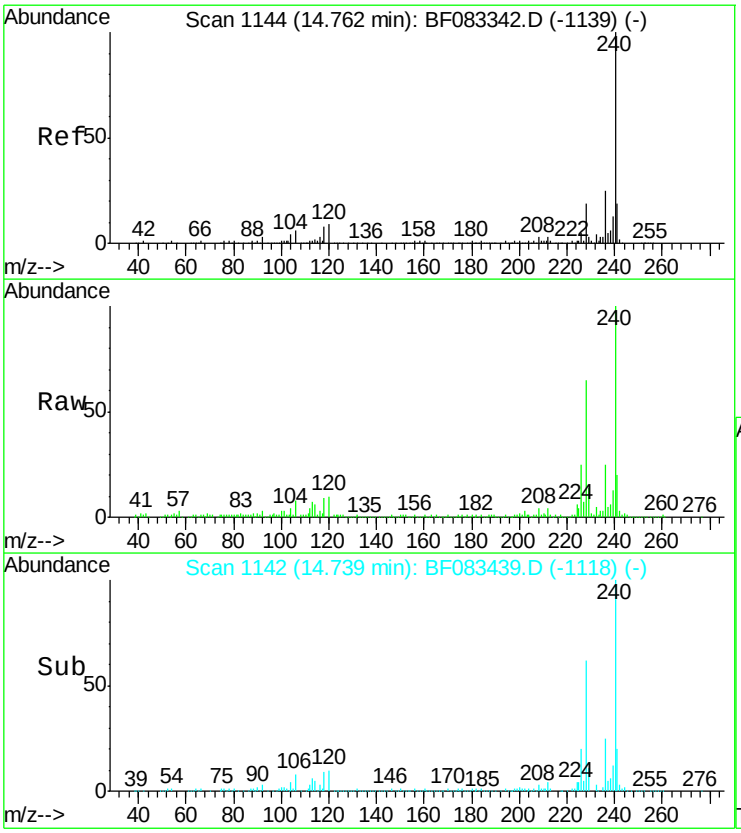
#74
Fluoranthene
Concen: 83.54 ng
RT: 12.66 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:202 Resp: 2500605

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.5
203	18.4	0.0	38.7

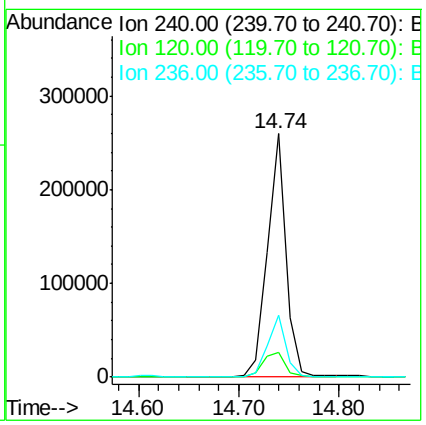


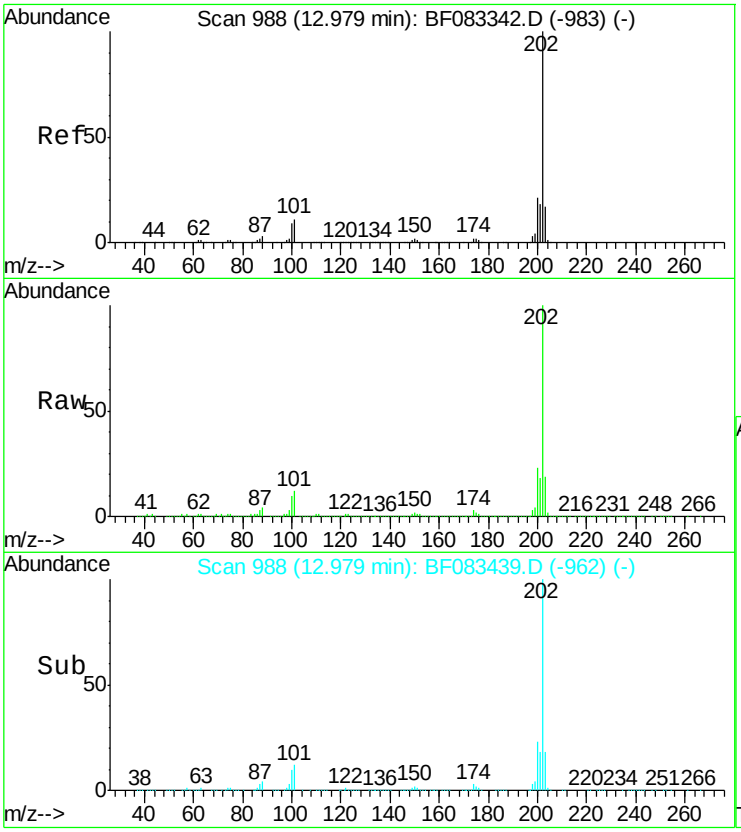


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.74 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:240 Resp: 333436

Ion	Ratio	Lower	Upper
240	100		
120	10.2	6.9	10.3
236	25.3	19.8	29.6



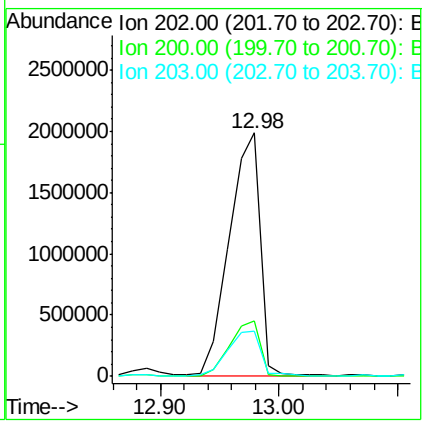


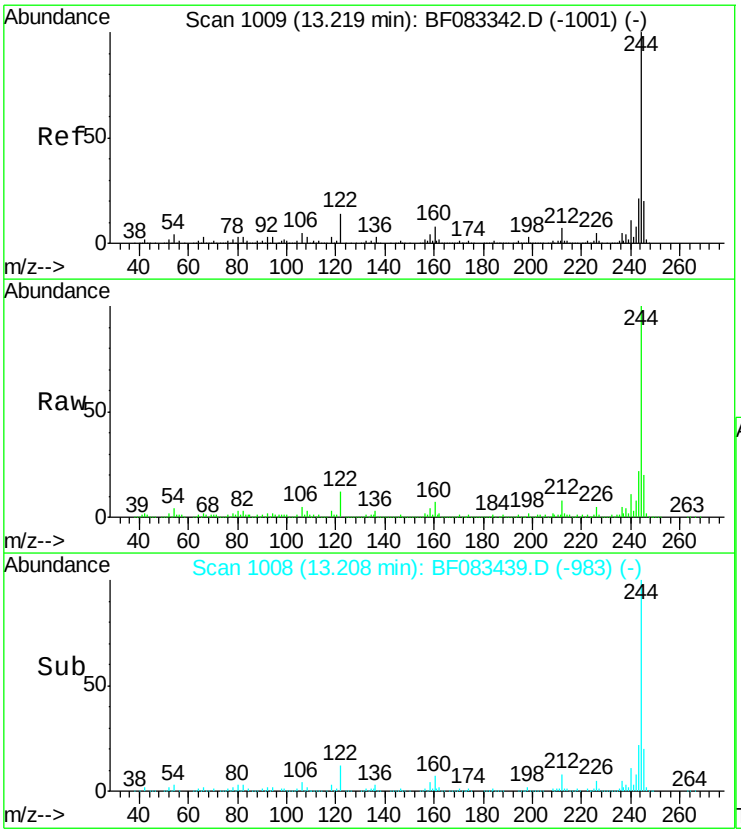
#77
Pyrene
Concen: 153.43 ng
RT: 12.98 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:202 Resp: 3572795

Ion	Ratio	Lower	Upper
202	100		
200	22.7	16.9	25.3
203	18.6	13.9	20.9

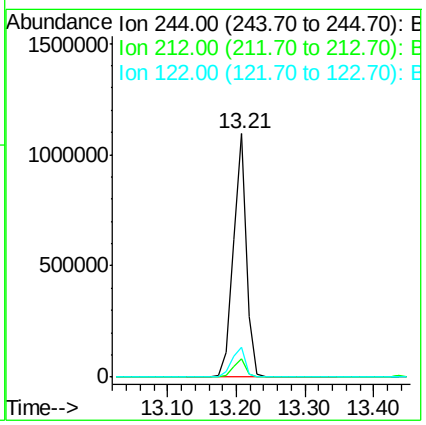


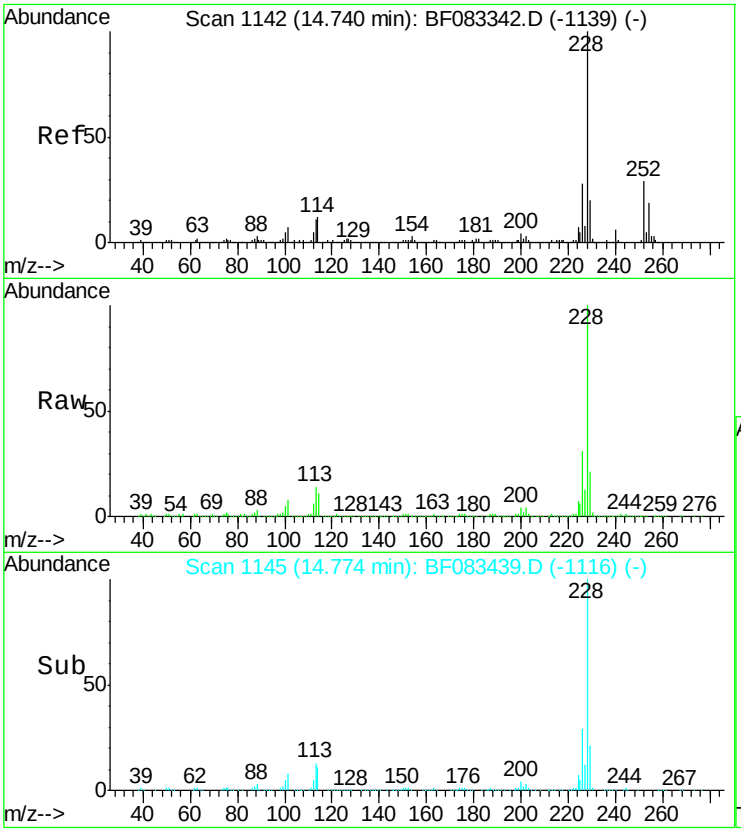


#78
Terphenyl-d14
Concen: 104.47 ng
RT: 13.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:244 Resp: 1460634

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.8
122	12.2	11.0	16.4



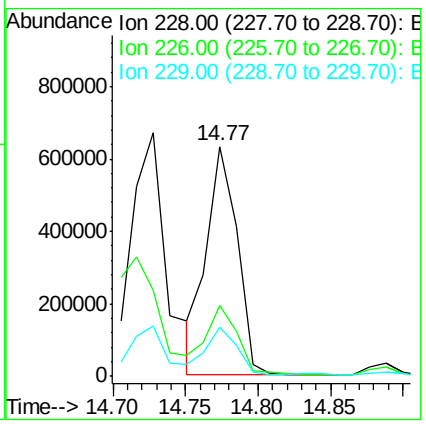


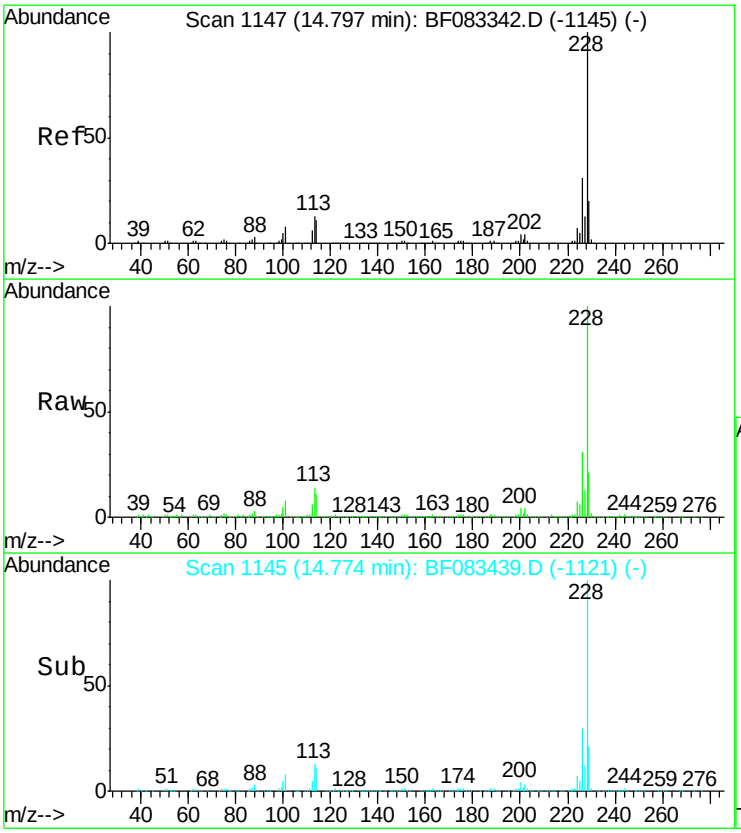
#80
Benzo(a)anthracene
Concen: 45.61 ng
RT: 14.77 min Scan# 1145
Delta R.T. 0.03 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:228 Resp: 931775

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.2	33.4
229	21.4	16.1	24.1

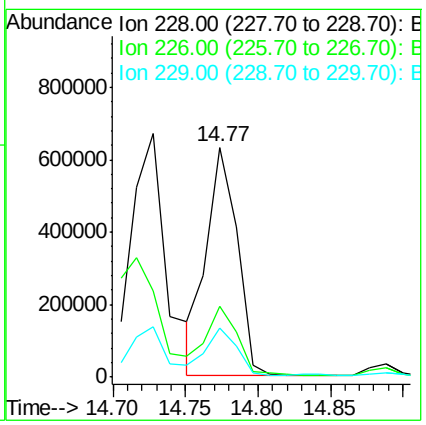


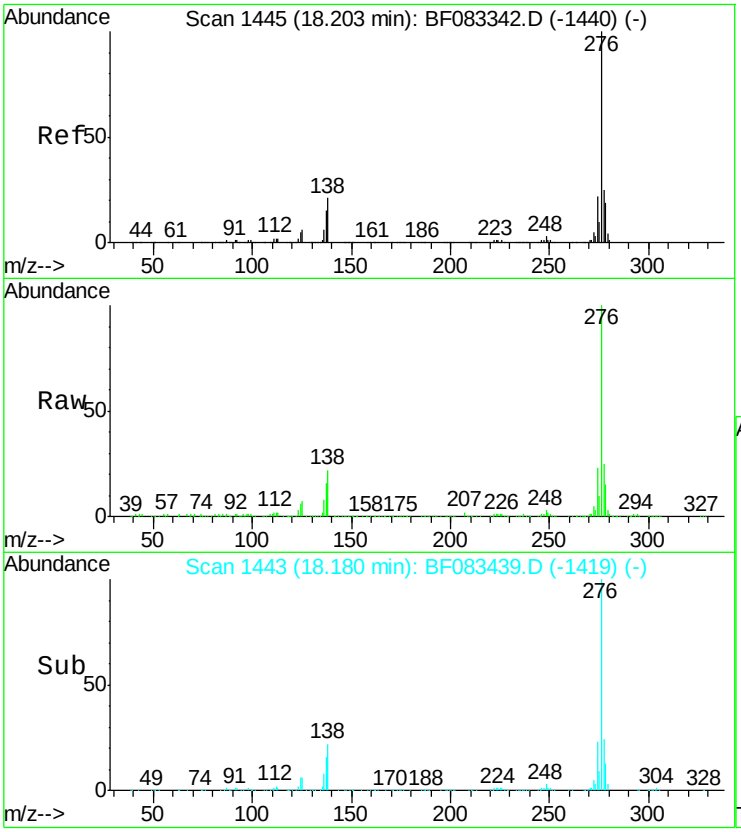


#82
Chrysene
Concen: 47.31 ng
RT: 14.77 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:228 Resp: 933667

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	21.4	16.2	24.2



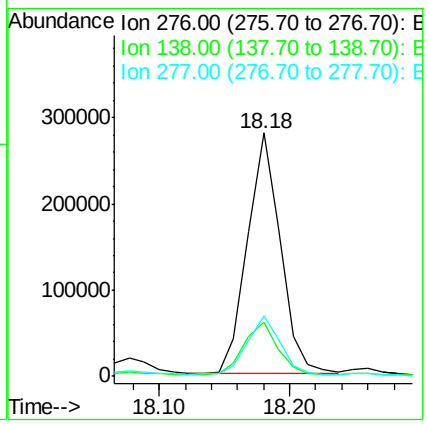


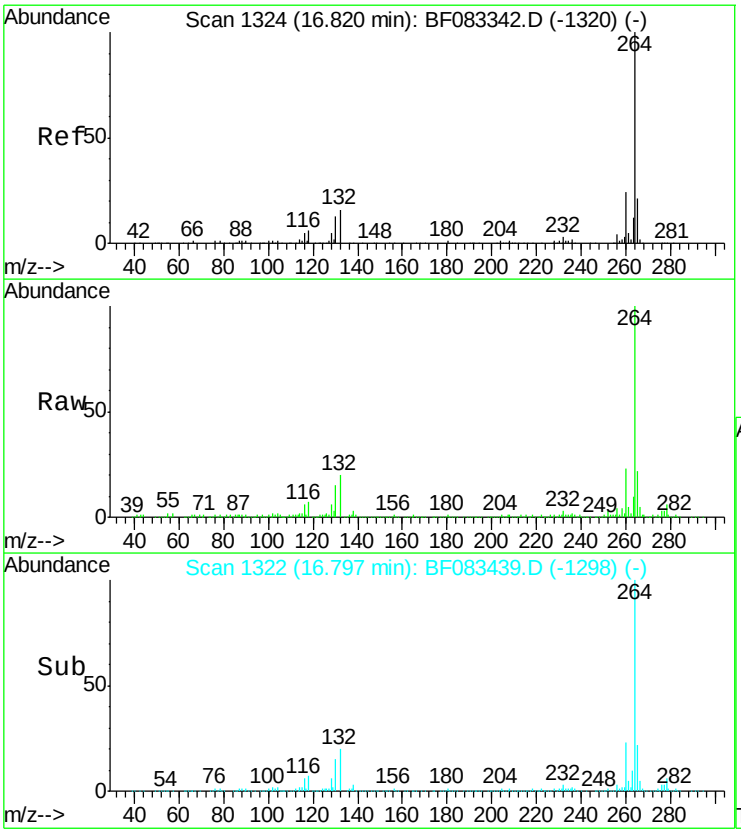
#85
Indeno(1,2,3-cd)pyrene
Concen: 34.28 ng
RT: 18.18 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:276 Resp: 492825

Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.2	31.8
277	24.6	20.0	30.0

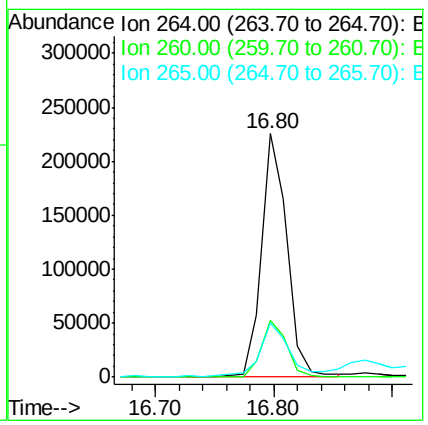


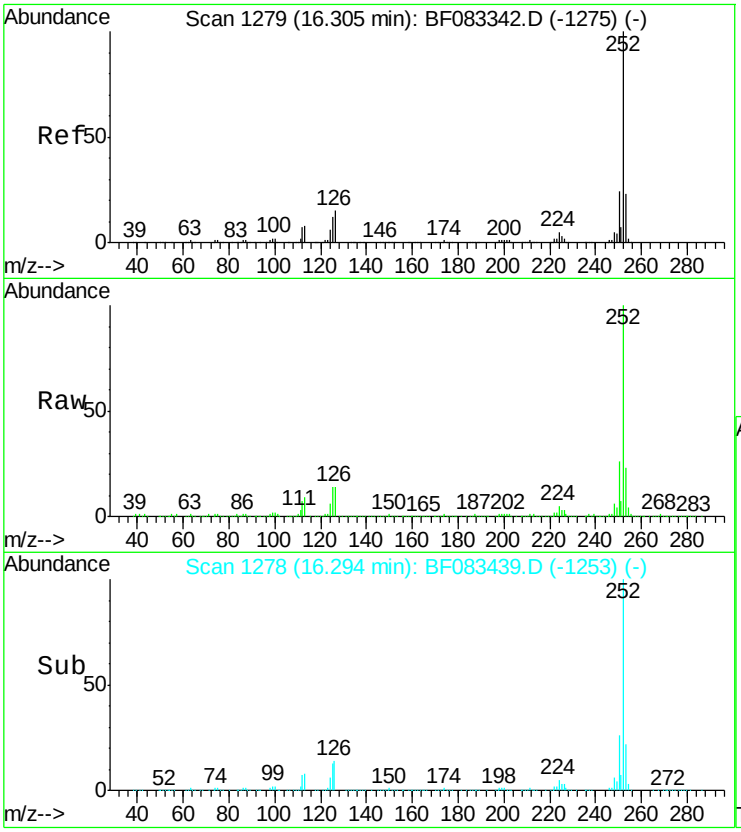


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.80 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:264 Resp: 337682

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.5	16.8	25.2



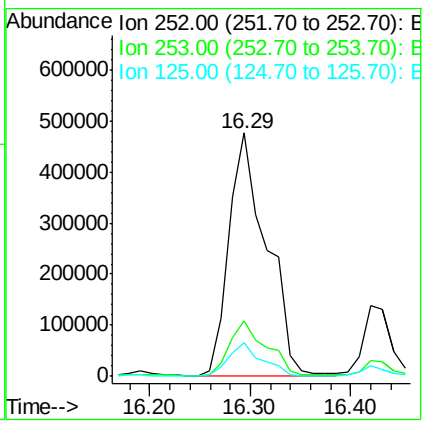


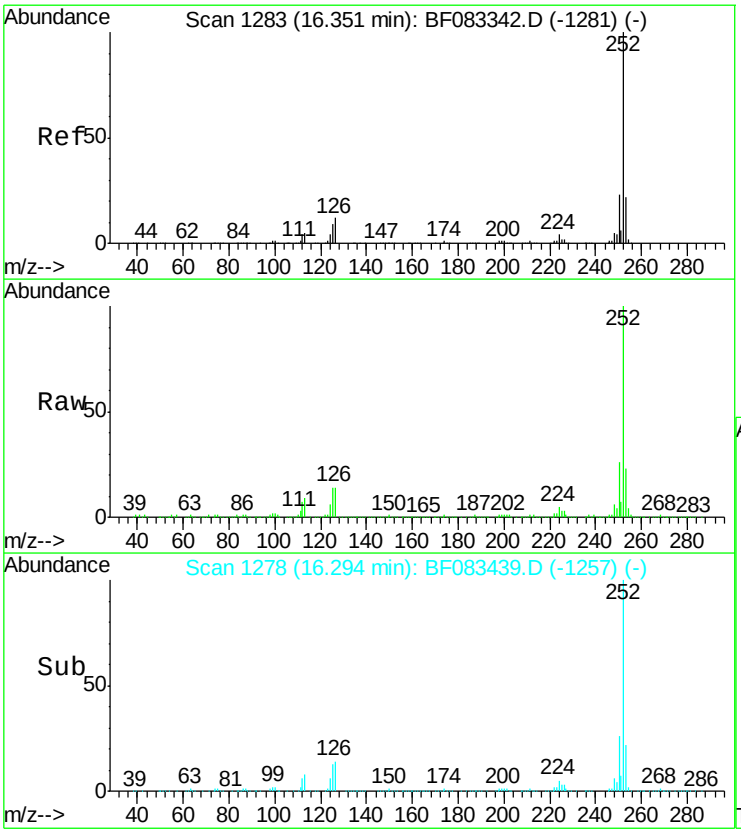
#87
Benzo(b)fluoranthene
Concen: 56.68 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:252 Resp: 1227997

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	13.7	9.6	14.4

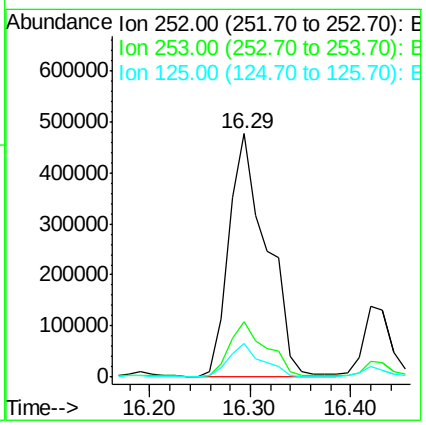


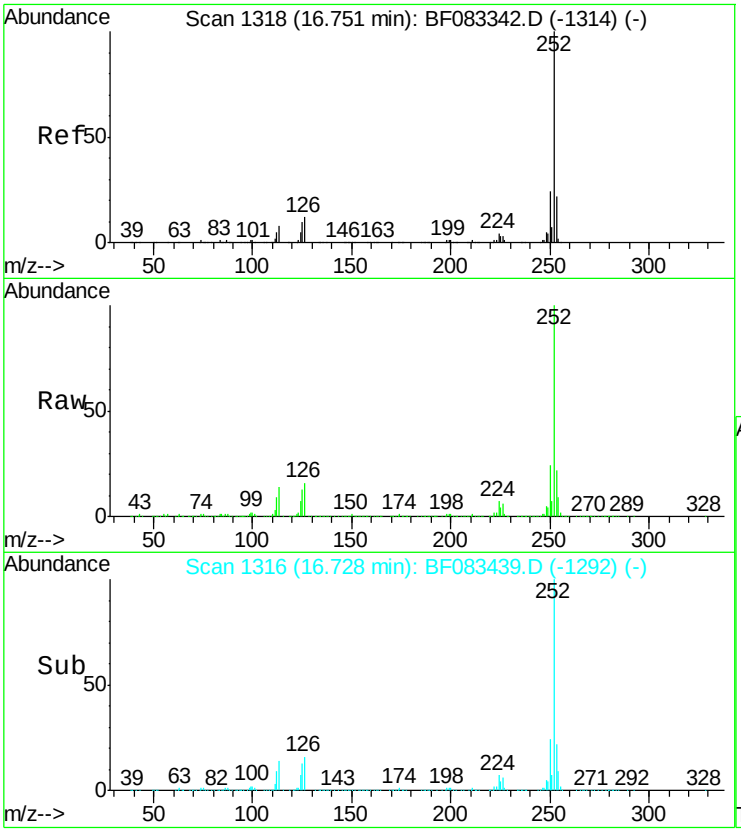


#88
Benzo(k)fluoranthene
Concen: 60.02 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:252 Resp: 1227997

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	13.7	7.5	11.3#



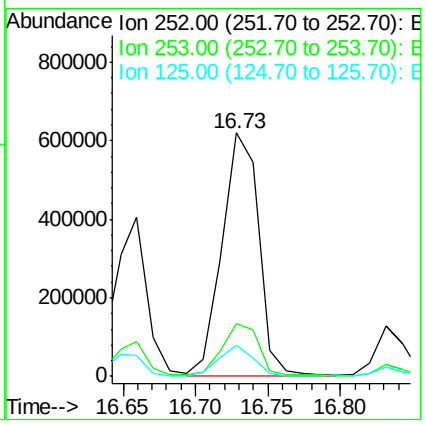


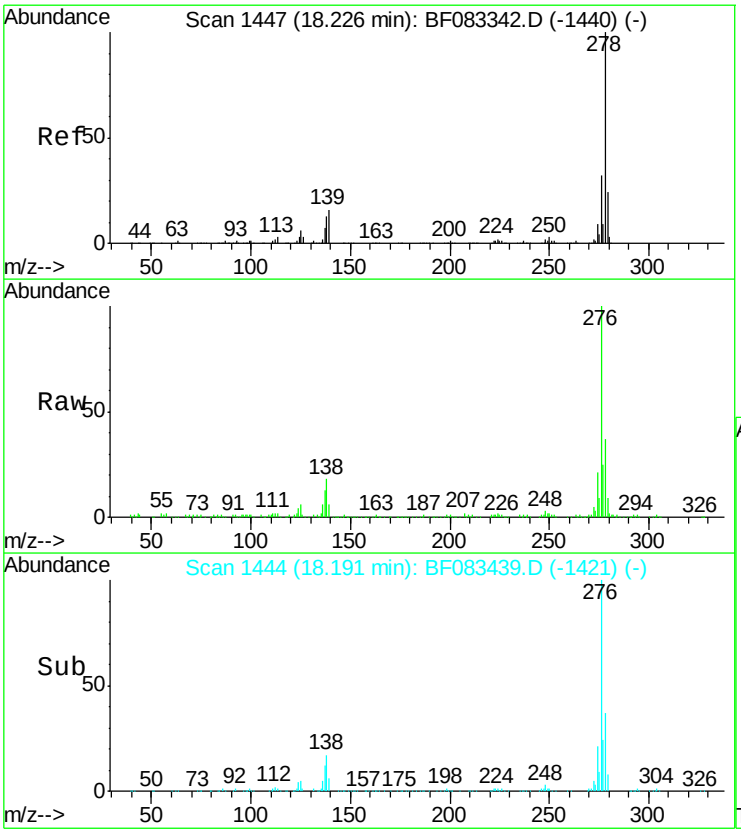
#89
Benzo(a)pyrene
Concen: 58.10 ng
RT: 16.73 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:252 Resp: 1081198

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	12.6	7.8	11.8#

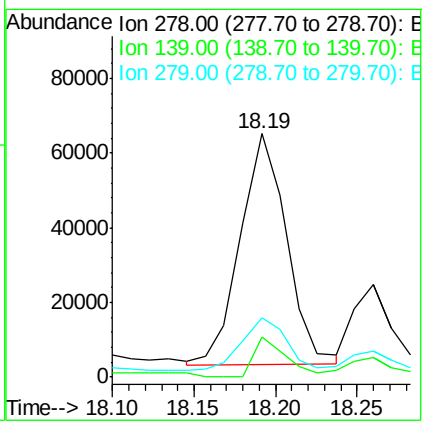


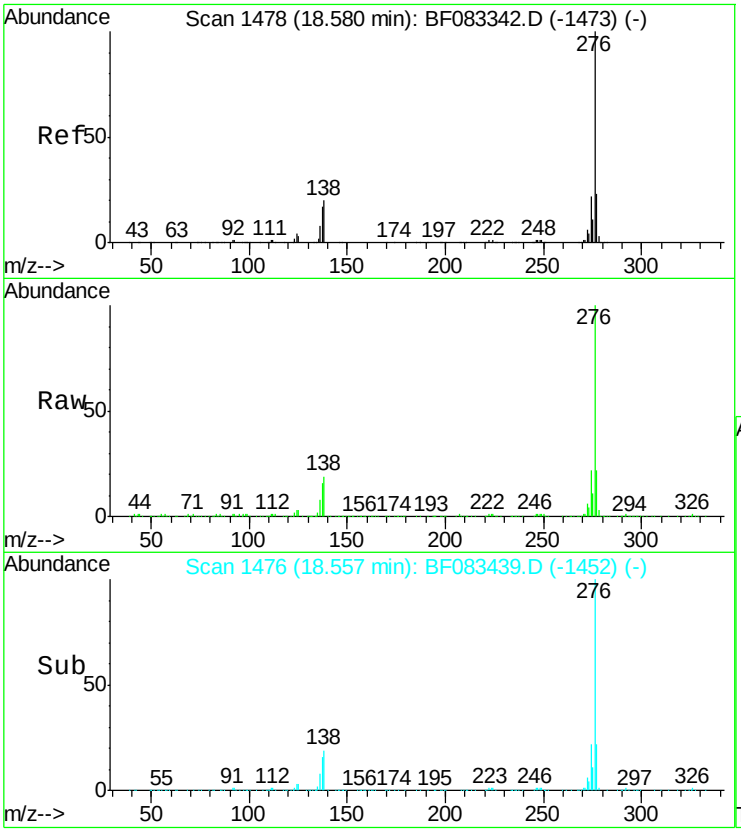


#90
Dibenzo(a,h)anthracene
Concen: 7.61 ng
RT: 18.19 min Scan# 1444
Delta R.T. -0.03 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Tgt Ion:278 Resp: 123364

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.1	19.7
279	24.3	19.2	28.8





#91
Benzo(g,h,i)perylene
Concen: 35.91 ng
RT: 18.56 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BF083439.D
Acq: 3 Dec 2015 2:49

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-08(8-14)

Tgt Ion:276 Resp: 571562

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.6	28.0
138	19.3	16.1	24.1