Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081600.D
Acq On : 12 Sep 2015 00:51
Operator : UM/IZ
Sample : G3526-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-19(0-0.16)

Quant Time: Sep 14 07:35:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 11 23:14:51 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	62253	20.00	ng		0.00
21) Naphthalene-d8	11.14	136	248869	20.00	ng		-0.01
38) Acenaphthene-d10	15.28	164	111909	20.00	ng		-0.01
63) Phenanthrene-d10	18.79	188	187361	20.00	ng		0.00
75) Chrysene-d12	23.41	240	123852	20.00	ng		0.00
86) Perylene-d12	24.84	264	111683	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	407135	101.47	ng		0.02
7) Phenol-d6	7.68	99	581296	109.45	ng		0.00
23) Nitrobenzene-d5	9.54	82	384256	74.49	ng		-0.01
41) 2,4,6-Tribromophenol	17.19	330	94108	94.44	ng		-0.01
44) 2-Fluorobiphenyl	13.80	172	610676	69.93	ng		-0.01
78) Terphenyl-d14	22.13	244	364566	68.52	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.19	128	44218	3.33	ng		99
37) 2-Methylnaphthalene	12.85	142	17482	2.02	ng	#	89
49) Dimethylphthalate	14.85	163	137269	15.79	ng	#	97
51) Acenaphthene	15.35	154	53569	7.14	ng		89
54) Dibenzofuran	15.77	168	50928	4.65	ng	#	83
57) Fluorene	16.58	166	62902	7.56	ng		94
70) Phenanthrene	18.86	178	882229	84.70	ng		97
71) Anthracene	18.96	178	165518	15.47	ng		98
72) Carbazole	19.44	167	55625	5.54	ng		98
74) Fluoranthene	21.46	202	696768	61.79	ng		90
77) Pyrene	21.81	202	726016	79.14	ng	#	93
80) Benzo(a)anthracene	23.40	228	363437	46.08	ng		95
82) Chrysene	23.44	228	305442	43.20	ng		93
85) Indeno(1,2,3-cd)pyrene	25.90	276	127392	24.56	ng	#	79
87) Benzo(b)fluoranthene	24.50	252	376362m	47.20	ng		
88) Benzo(k)fluoranthene	24.53	252	114777m	17.35	ng		
89) Benzo(a)pyrene	24.79	252	245372	36.32	ng	#	88
90) Dibenzo(a,h)anthracene	25.90	278	37481m	7.18	ng		
91) Benzo(g,h,i)perylene	26.21	276	111029	22.28	ng	#	72

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

Quantitation Report (LSC Reviewed)

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Misc :
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Instrument :
BNA_F
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SB-19(0-0.16)

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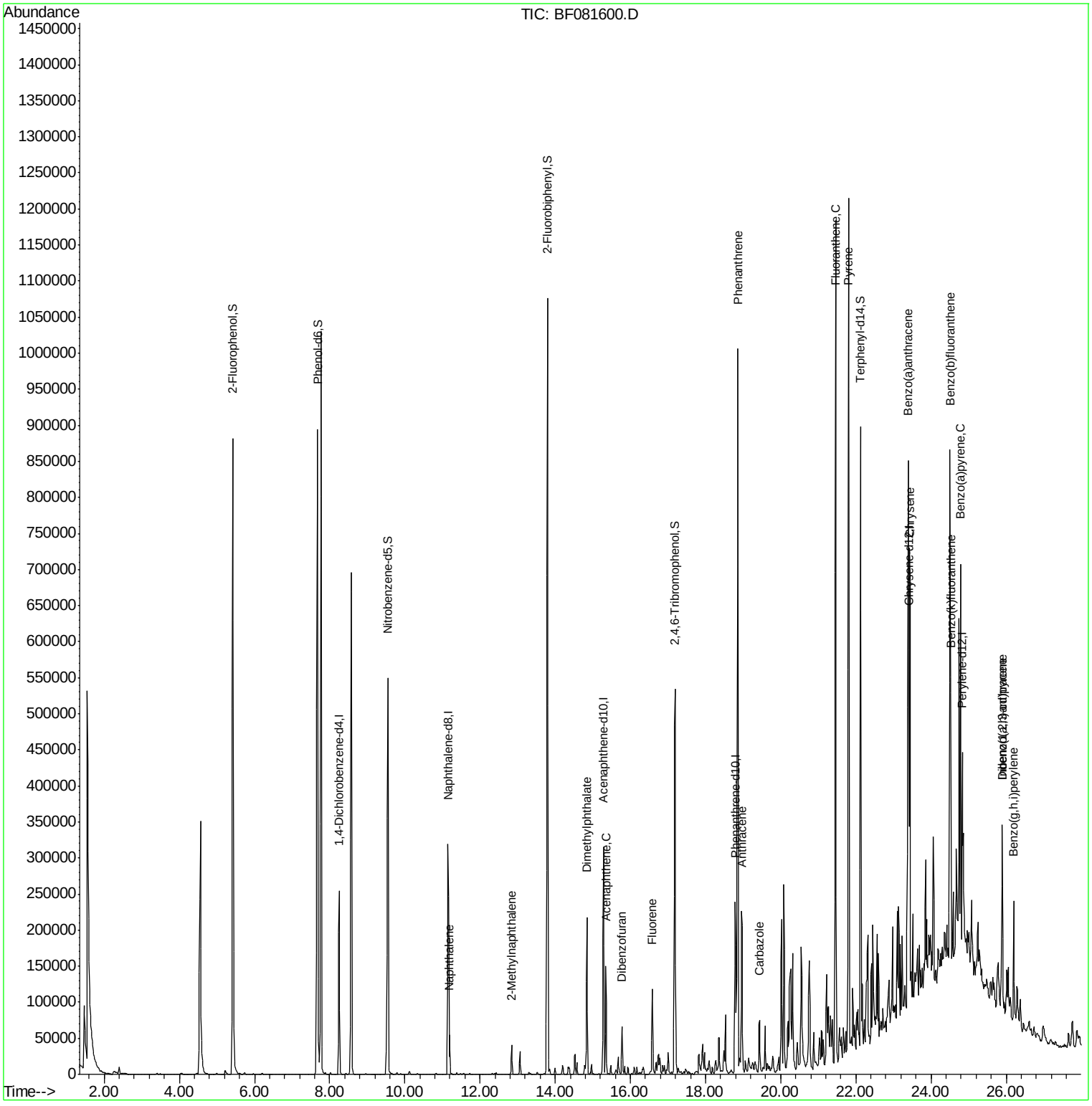
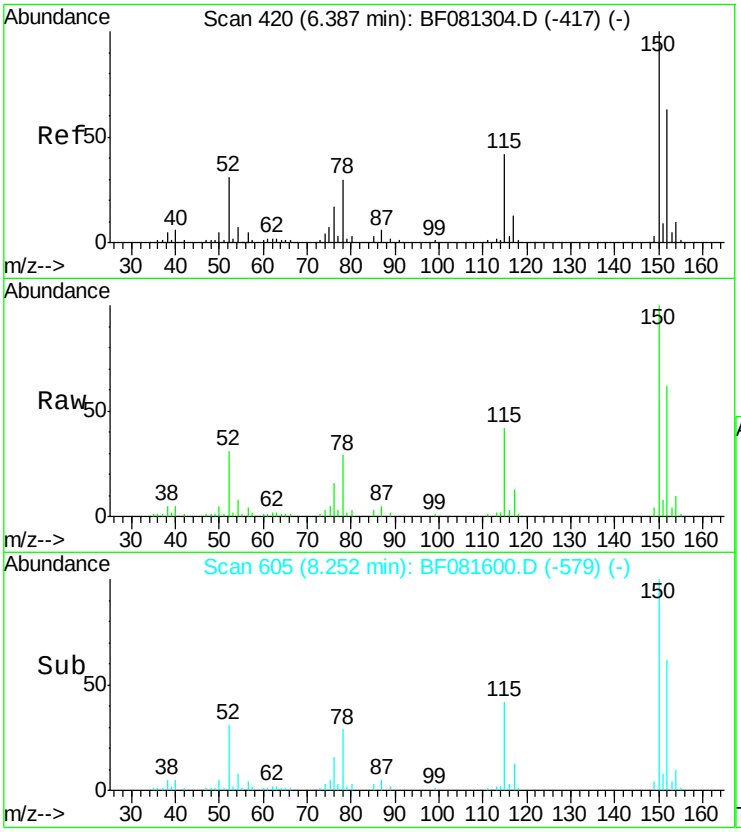


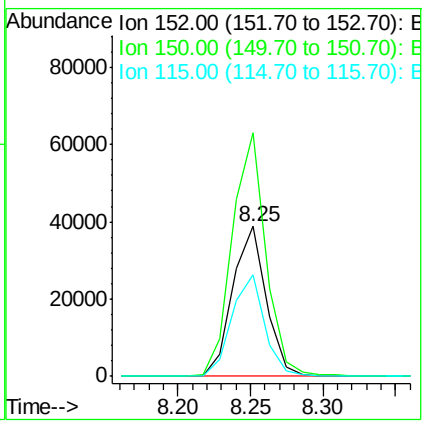


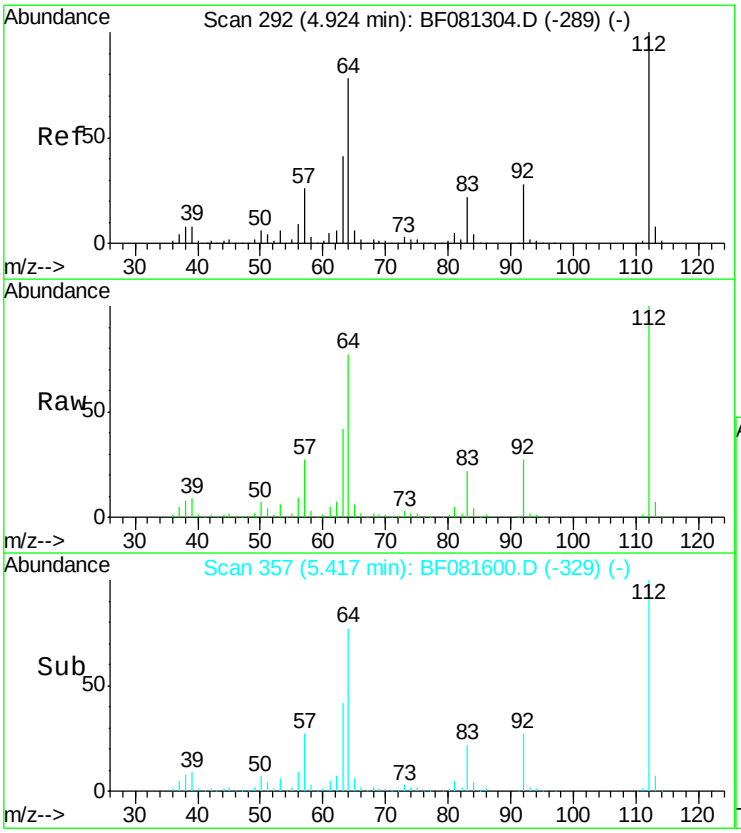
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.25 min Scan# 605
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:152 Resp: 62253

Ion	Ratio	Lower	Upper
152	100		
150	162.6	124.7	187.1
115	67.7	39.0	58.4#

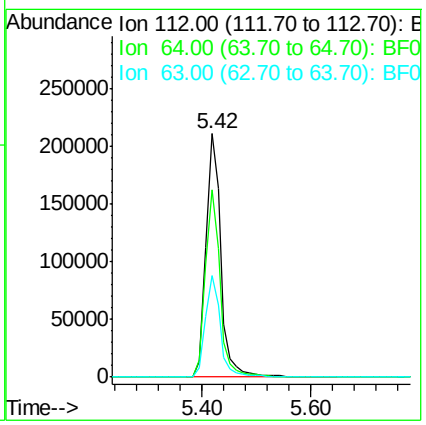


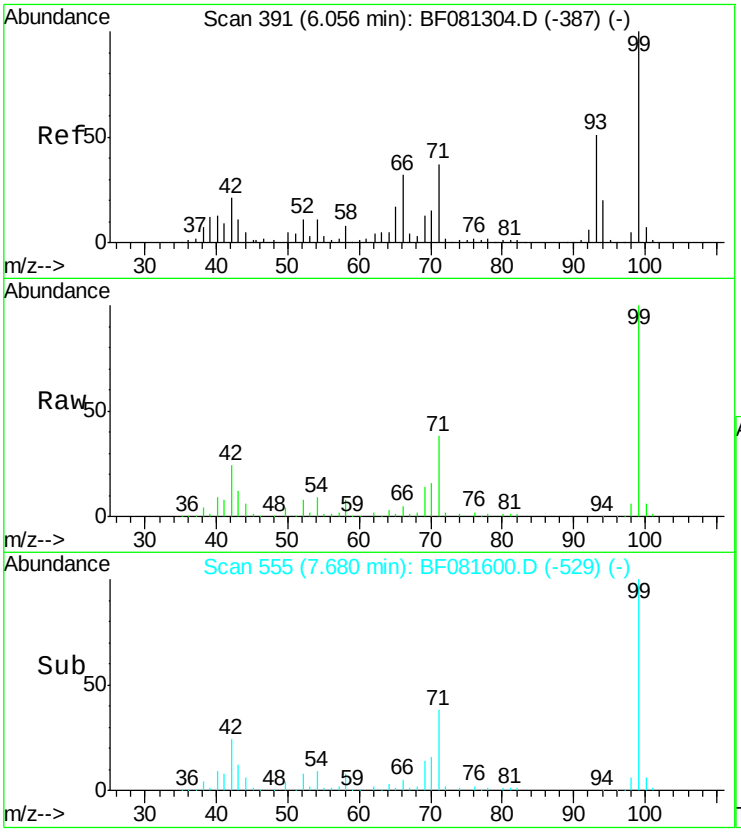


#5
2-Fluorophenol
Concen: 101.47 ng
RT: 5.42 min Scan# 357
Delta R.T. 0.02 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:112 Resp: 407135

Ion	Ratio	Lower	Upper
112	100		
64	77.0	39.7	59.5#
63	41.9	17.4	26.0#



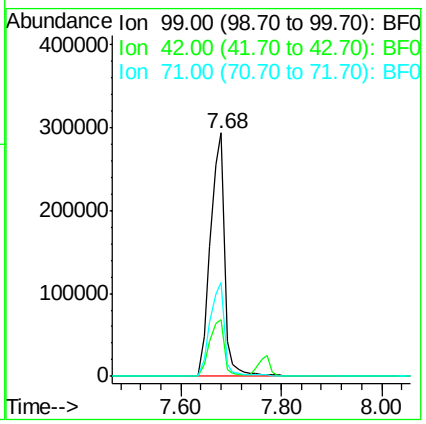


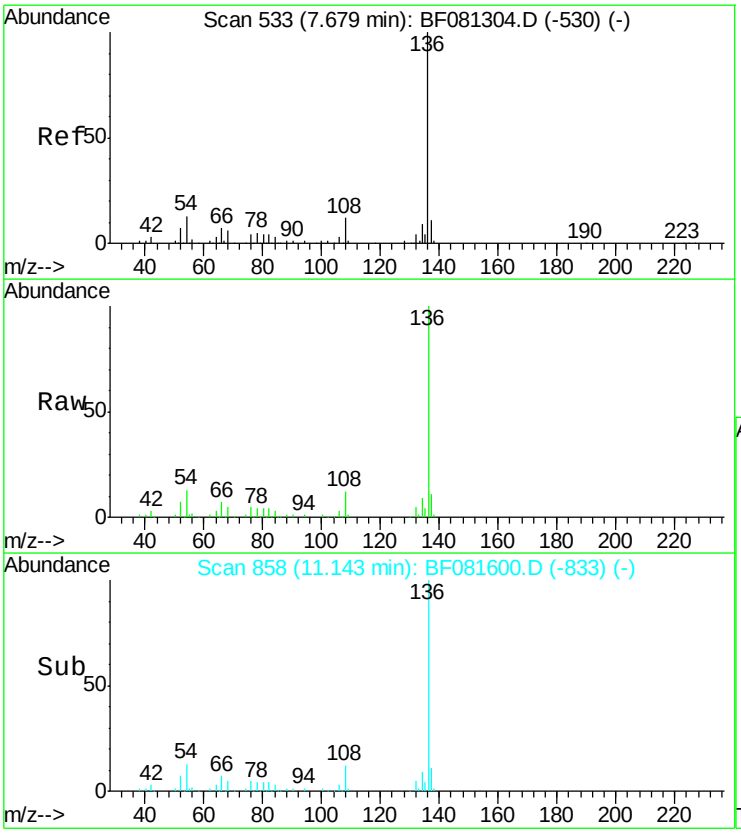
#7
Phenol-d6
Concen: 109.45 ng
RT: 7.68 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion: 99 Resp: 581296

Ion	Ratio	Lower	Upper
99	100		
42	23.6	13.7	20.5#
71	38.3	14.2	21.2#

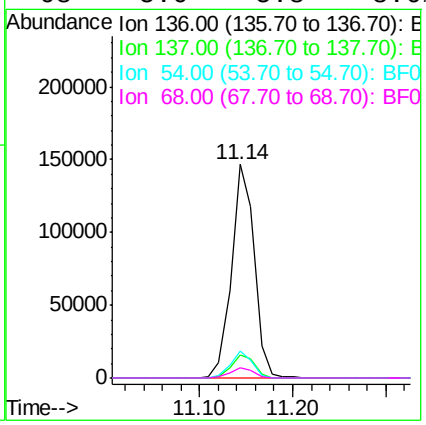


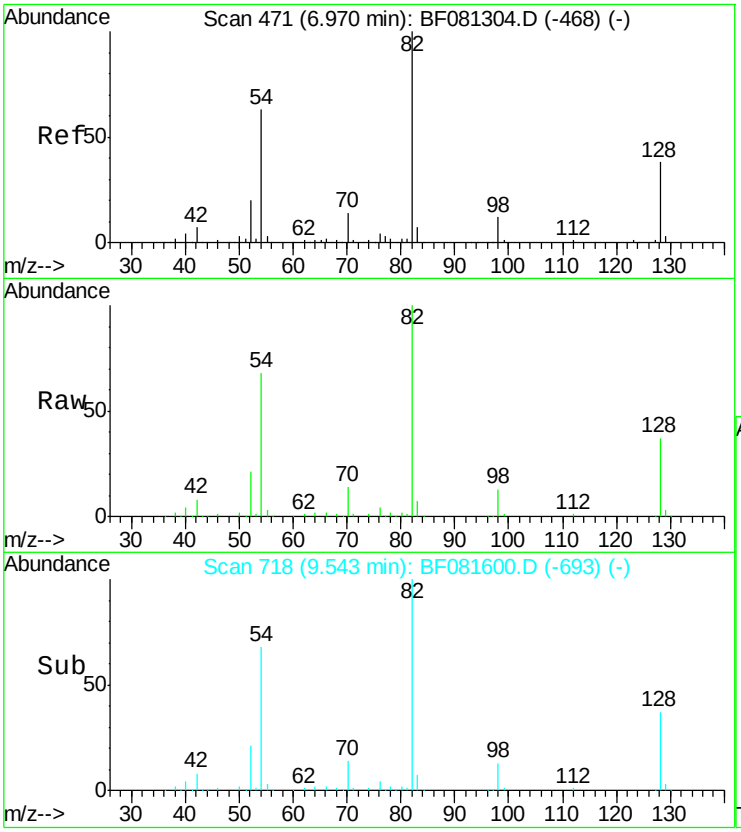


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.14 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:136 Resp: 248869

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	12.5	8.2	12.2#
68	5.0	5.8	8.6#



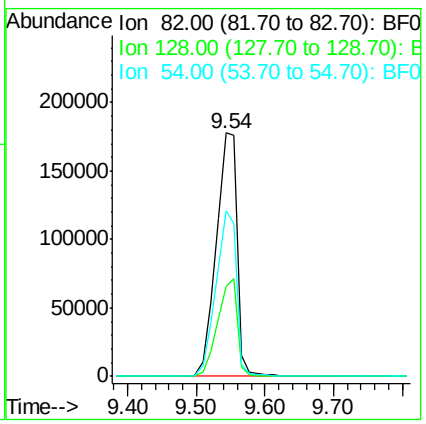


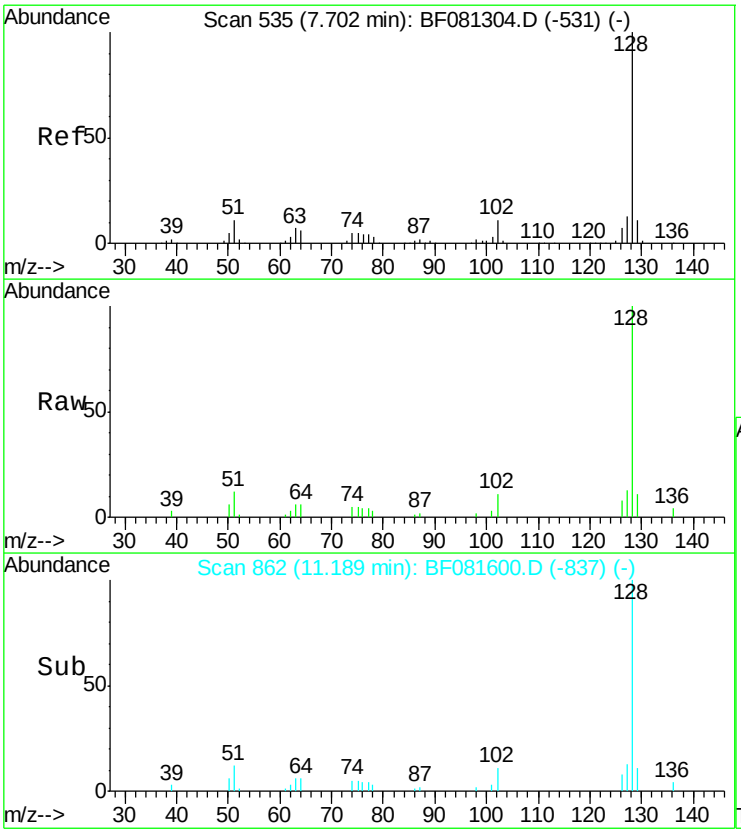
#23
Nitrobenzene-d5
Concen: 74.49 ng
RT: 9.54 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion: 82 Resp: 384256

Ion	Ratio	Lower	Upper
82	100		
128	37.1	51.0	76.6#
54	68.1	47.5	71.3

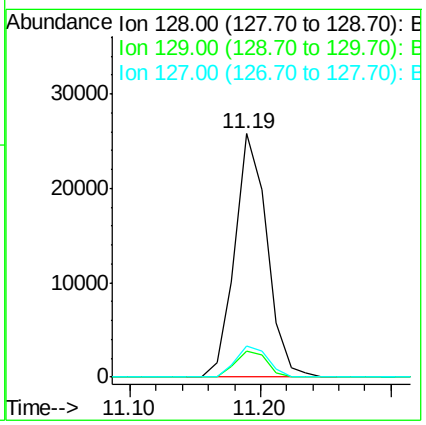


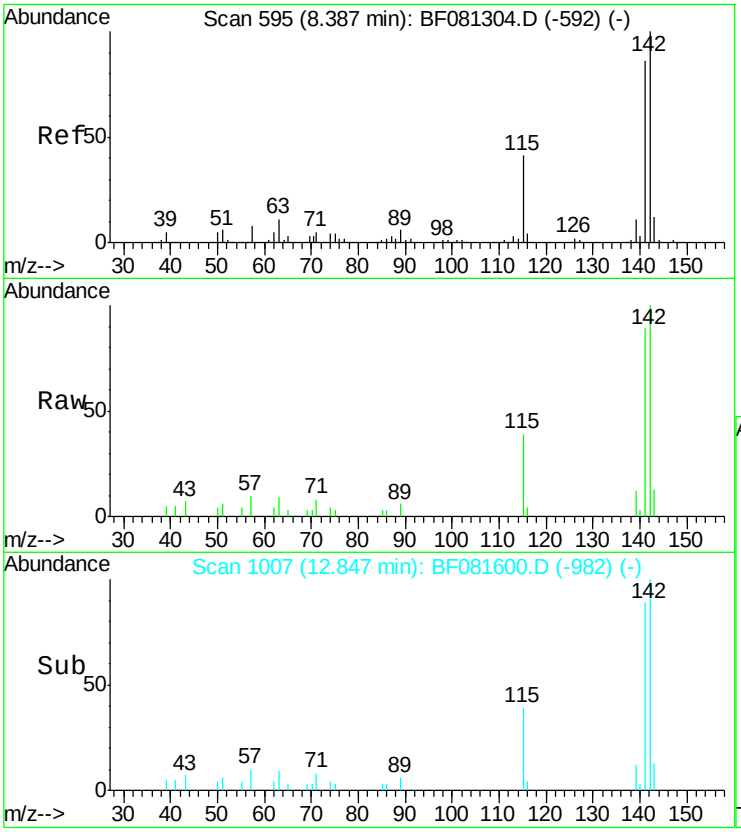


#31
Naphthalene
Concen: 3.33 ng
RT: 11.19 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:128 Resp: 44218

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.4	12.6
127	12.8	9.9	14.9



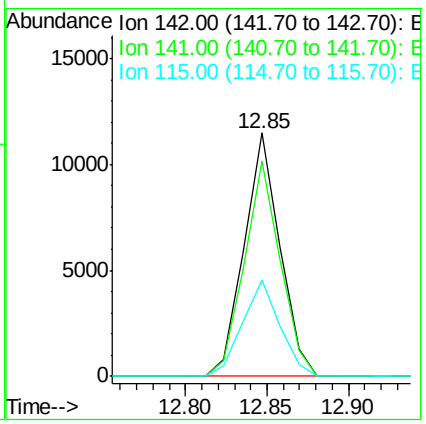


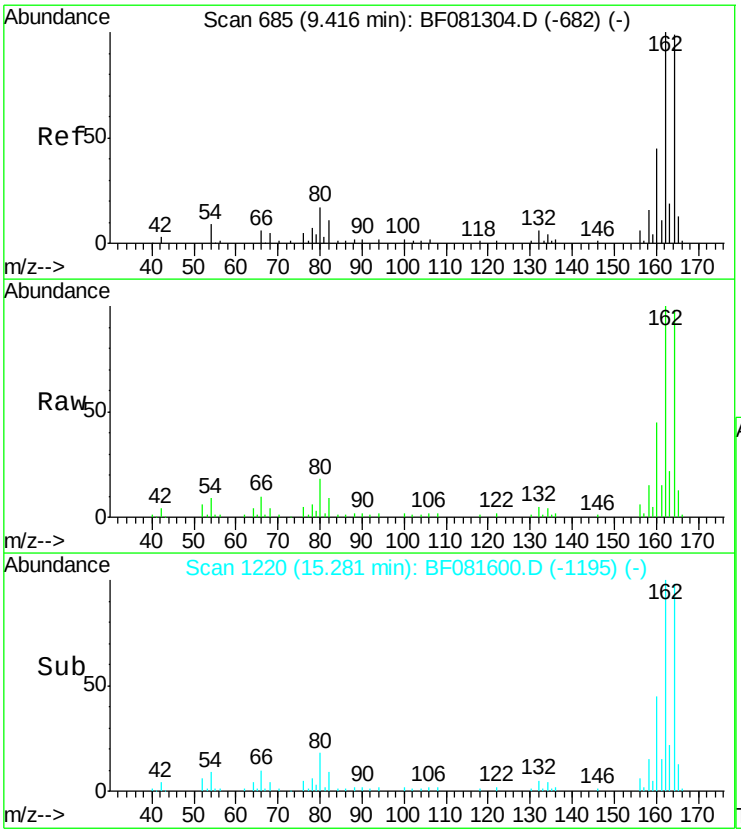
#37
2-Methylnaphthalene
Concen: 2.02 ng
RT: 12.85 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:142 Resp: 17482

Ion	Ratio	Lower	Upper
142	100		
141	88.6	67.5	101.3
115	39.5	18.2	27.2#

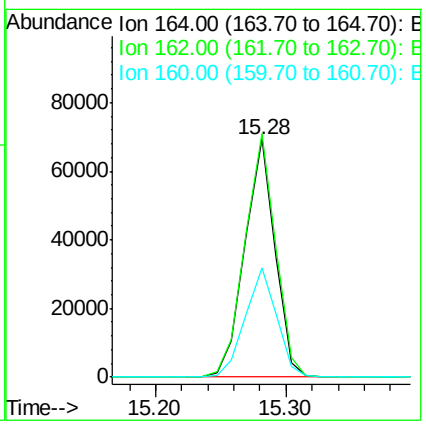


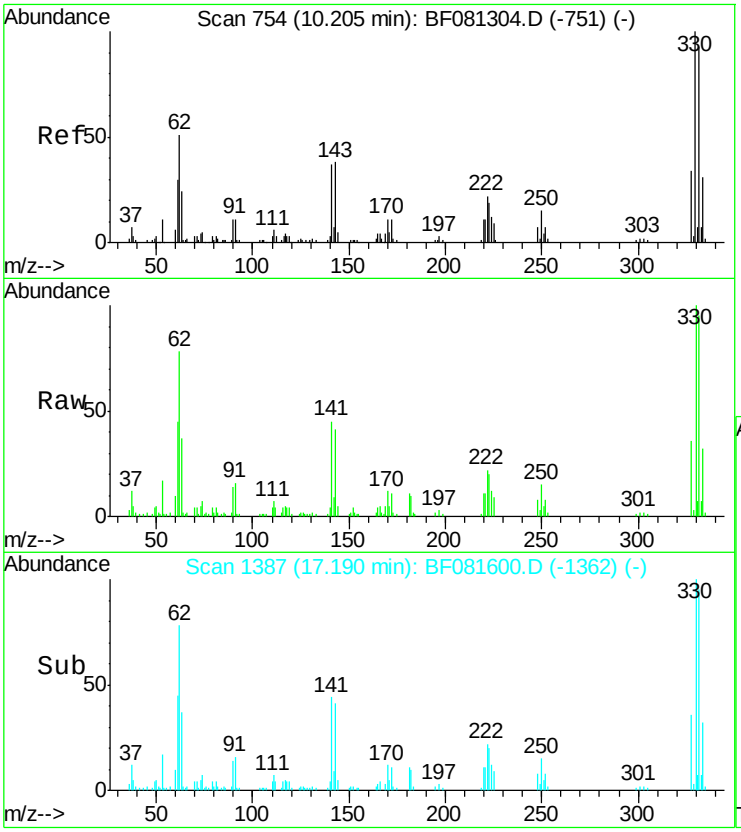


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.28 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:164 Resp: 111909

Ion	Ratio	Lower	Upper
164	100		
162	102.2	75.2	112.8
160	46.0	31.5	47.3



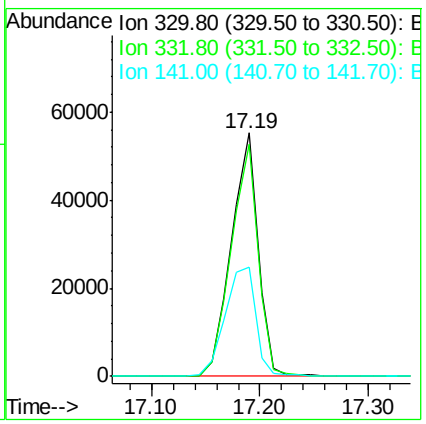


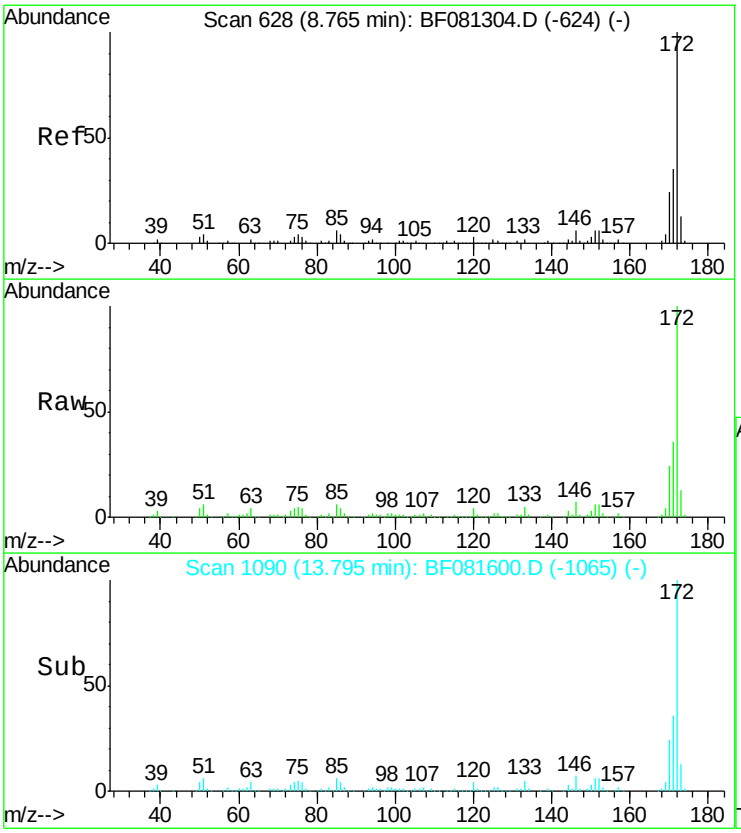
#41
2,4,6-Tribromophenol
Concen: 94.44 ng
RT: 17.19 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:330 Resp: 94108

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	51.4	29.7	44.5#

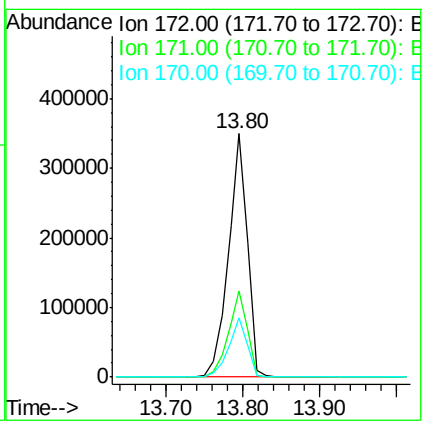


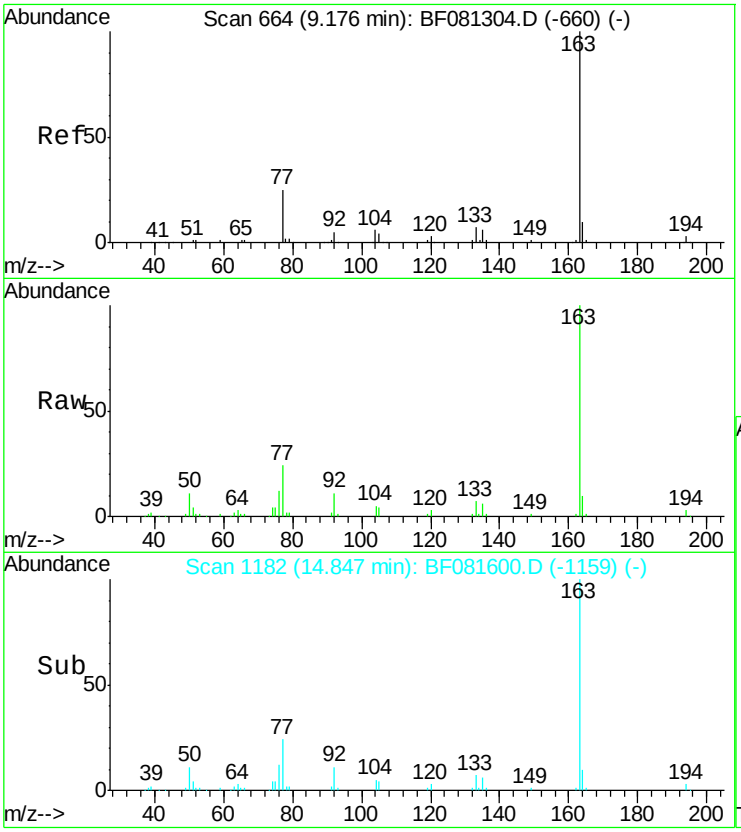


#44
2-Fluorobiphenyl
Concen: 69.93 ng
RT: 13.80 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:172 Resp: 610676

Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	24.3	17.4	26.2



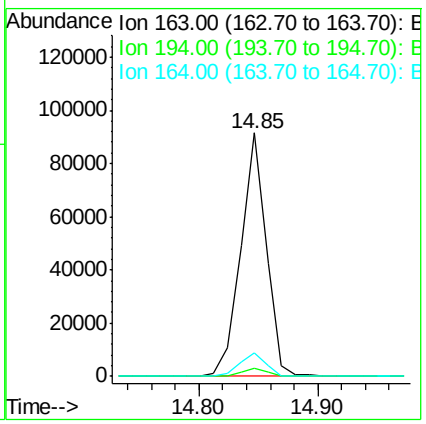


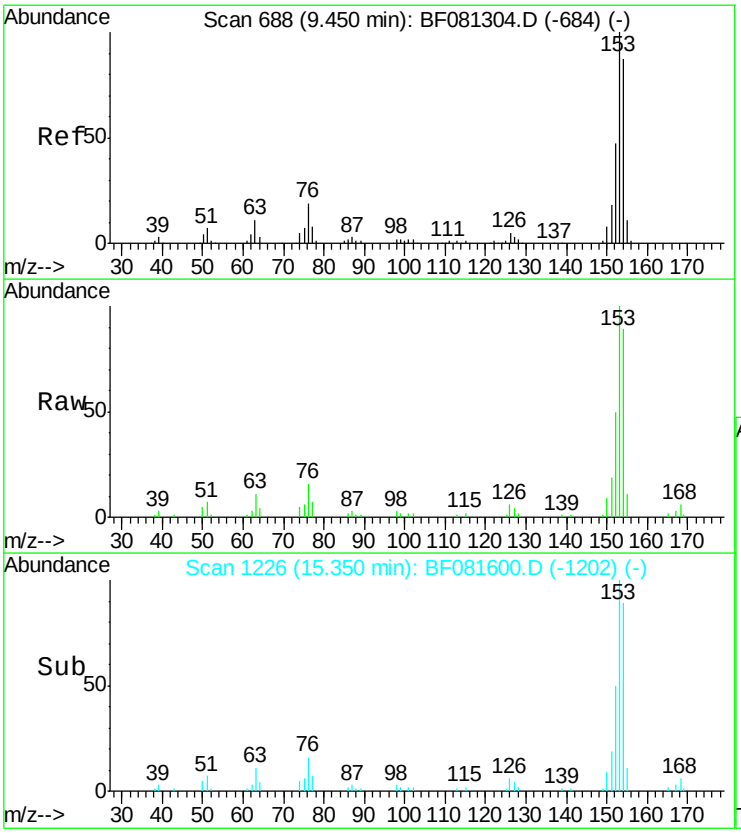
#49
Dimethylphthalate
Concen: 15.79 ng
RT: 14.85 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:163 Resp: 137269

Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	9.7	8.3	12.5

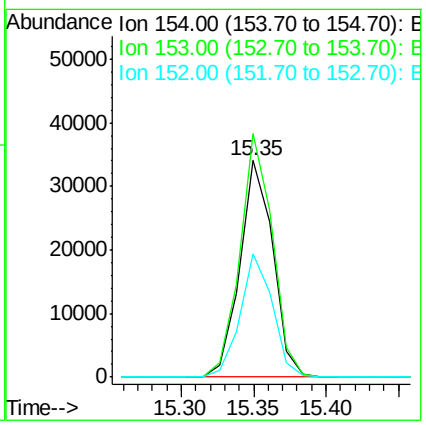


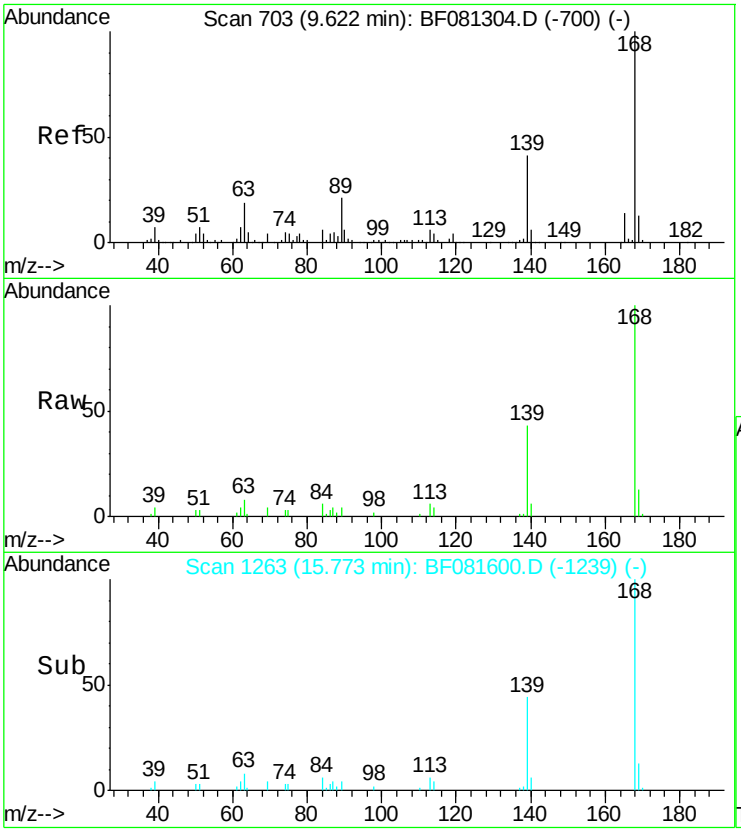


#51
Acenaphthene
Concen: 7.14 ng
RT: 15.35 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:154 Resp: 53569

Ion	Ratio	Lower	Upper
154	100		
153	112.6	82.1	123.1
152	56.8	37.9	56.9



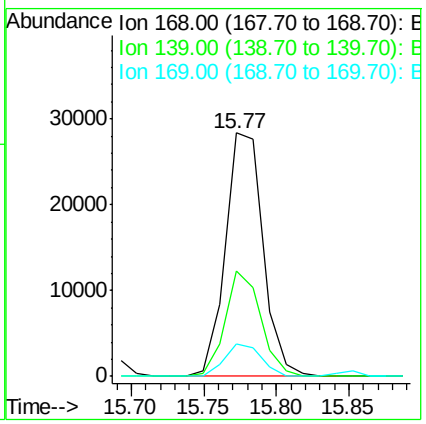


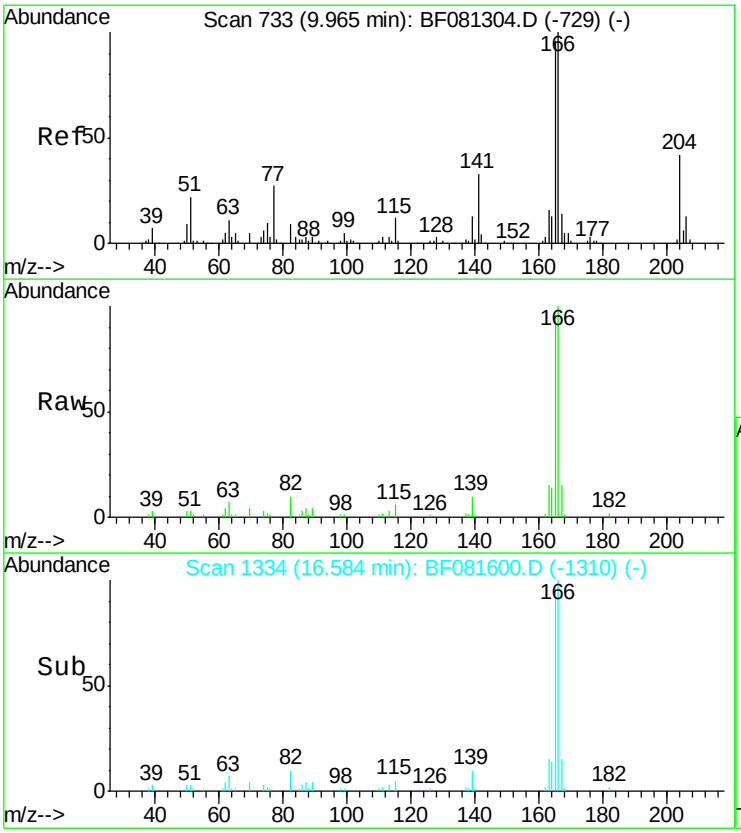
#54
Dibenzofuran
Concen: 4.65 ng
RT: 15.77 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:168 Resp: 50928

Ion	Ratio	Lower	Upper
168	100		
139	43.3	24.2	36.2#
169	13.2	10.6	15.8

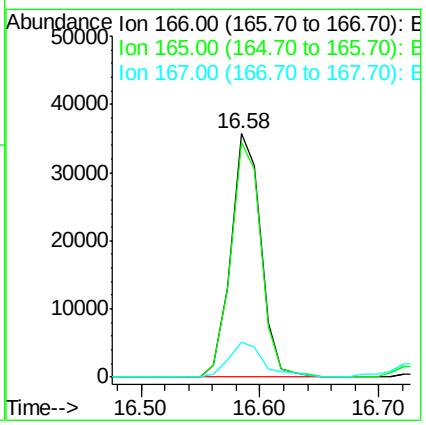


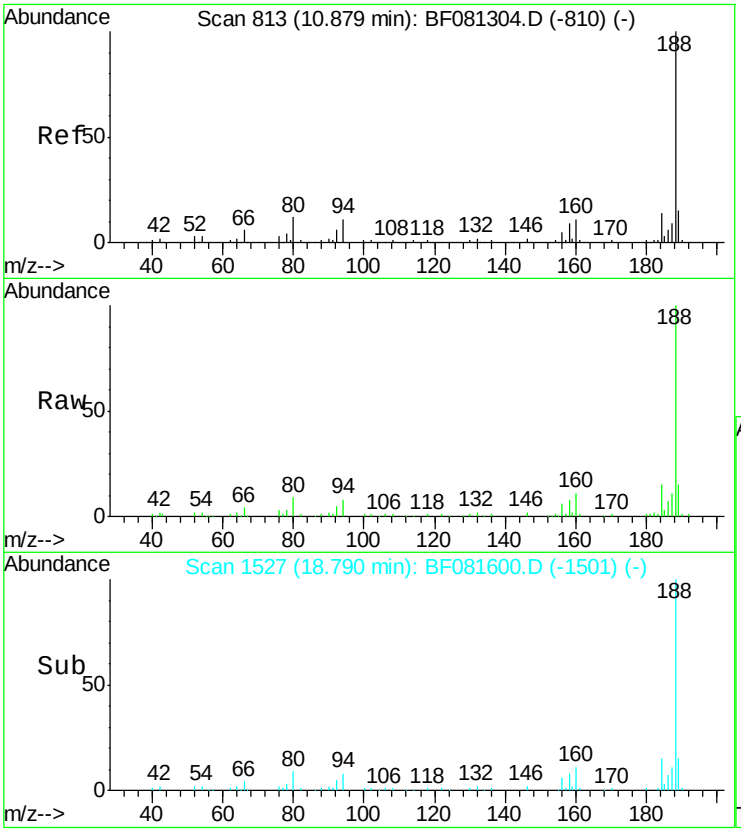


#57
Fluorene
Concen: 7.56 ng
RT: 16.58 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:166 Resp: 62902

Ion	Ratio	Lower	Upper
166	100		
165	96.5	72.6	109.0
167	14.6	10.6	16.0



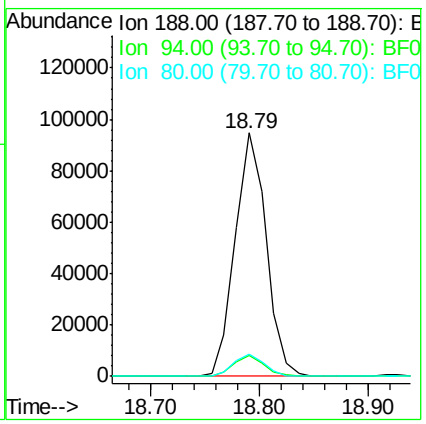


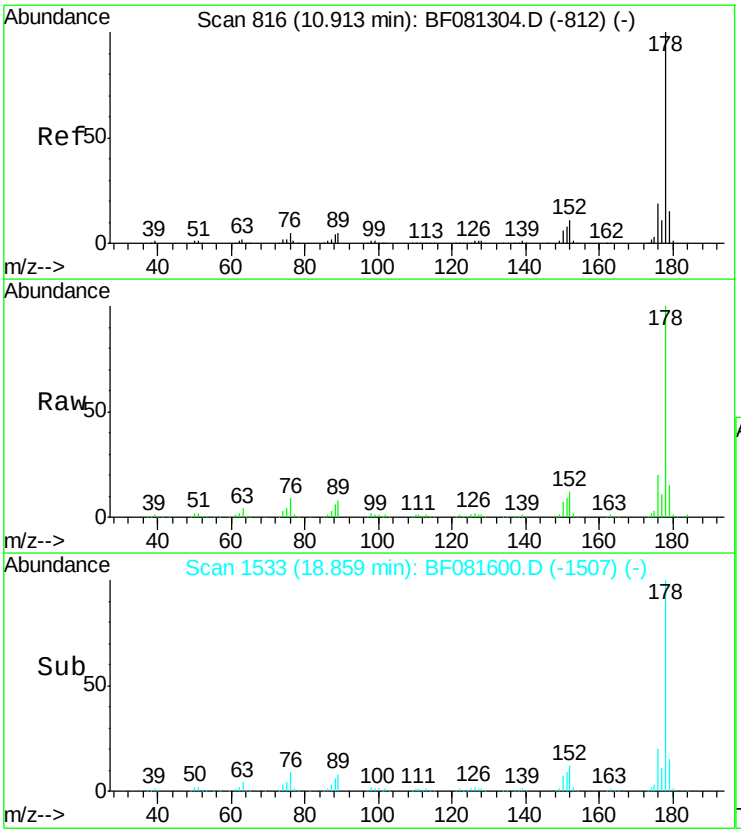
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.79 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:188 Resp: 187361

Ion	Ratio	Lower	Upper
188	100		
94	8.5	11.1	16.7#
80	9.1	11.0	16.4#

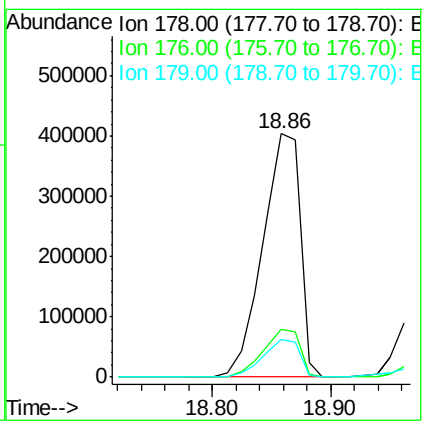


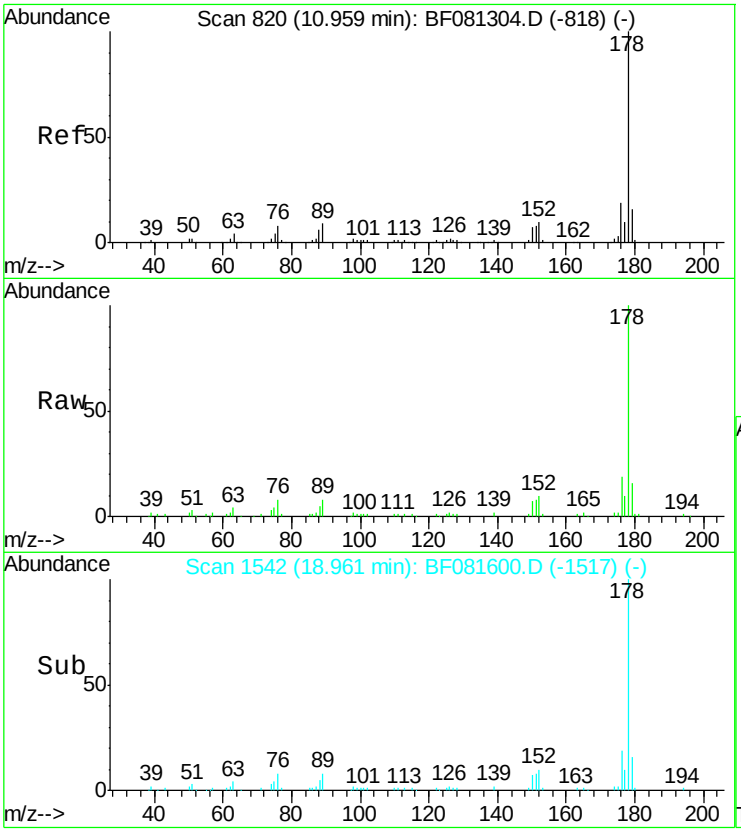


#70
Phenanthrene
Concen: 84.70 ng
RT: 18.86 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:178 Resp: 882229

Ion	Ratio	Lower	Upper
178	100		
176	19.5	13.8	20.8
179	15.3	12.2	18.2



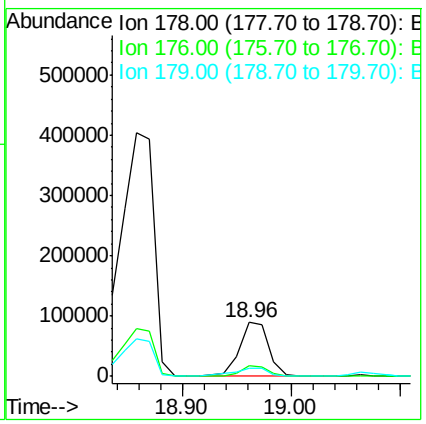


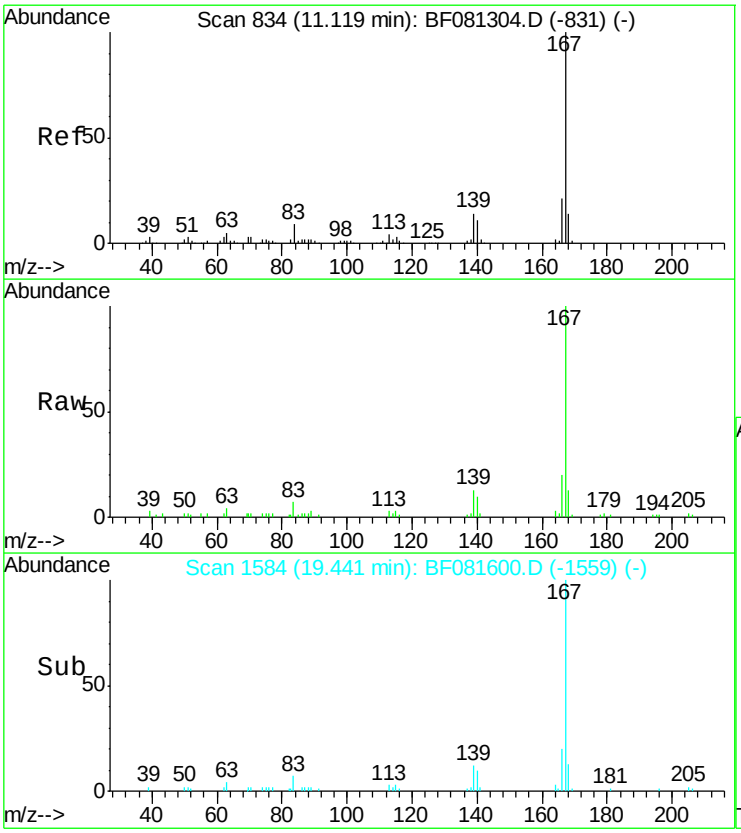
#71
Anthracene
Concen: 15.47 ng
RT: 18.96 min Scan# 1542
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:178 Resp: 165518

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.1	21.1
179	15.7	12.2	18.2

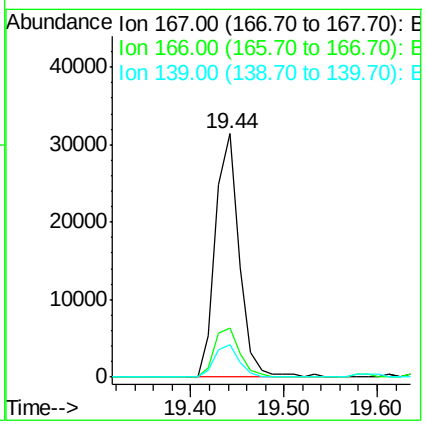


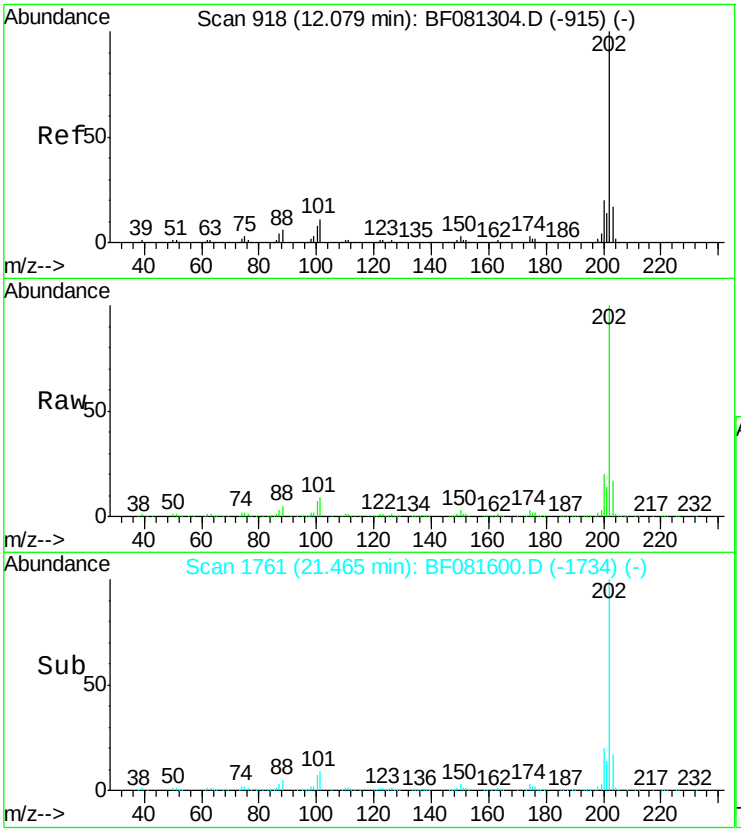


#72
Carbazole
Concen: 5.54 ng
RT: 19.44 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:167 Resp: 55625

Ion	Ratio	Lower	Upper
167	100		
166	20.0	15.7	23.5
139	13.4	9.5	14.3



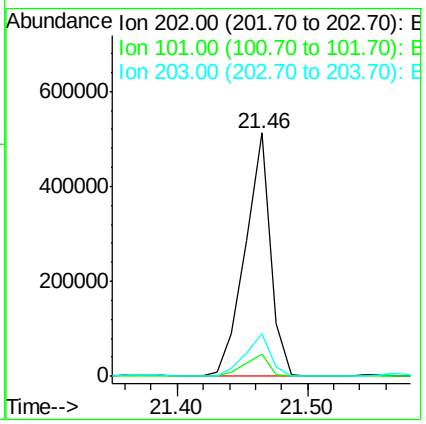


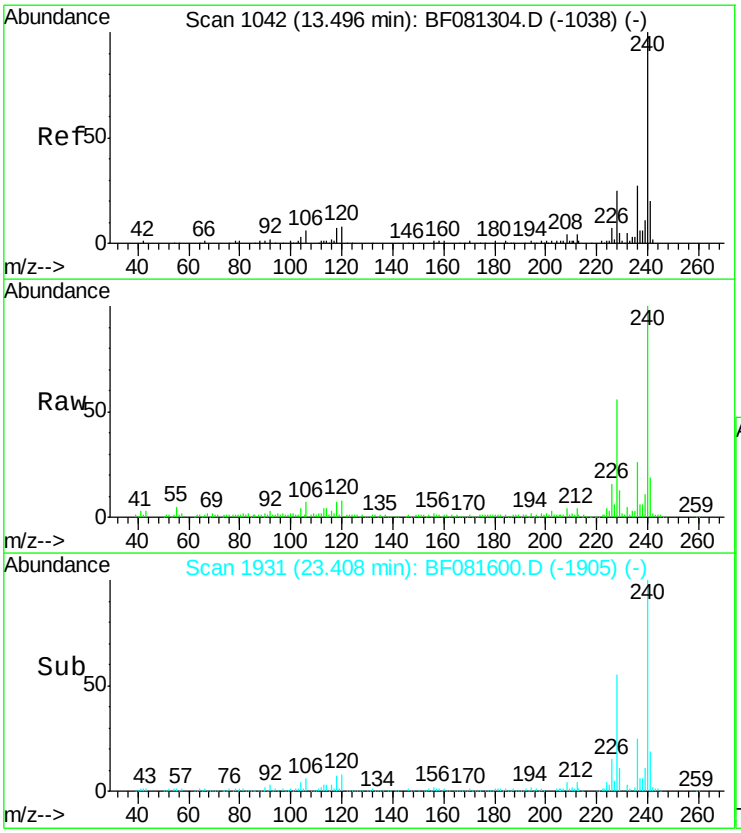
#74
Fluoranthene
Concen: 61.79 ng
RT: 21.46 min Scan# 1761
Delta R.T. 0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:202 Resp: 696768

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	38.3
203	17.3	0.0	37.3

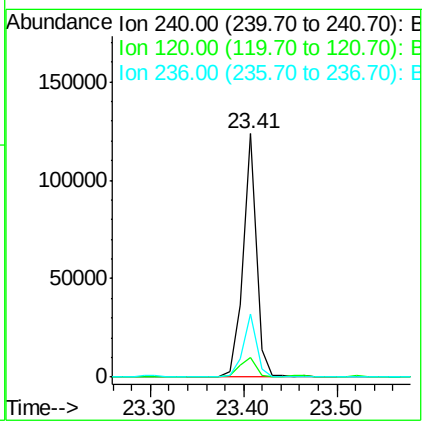


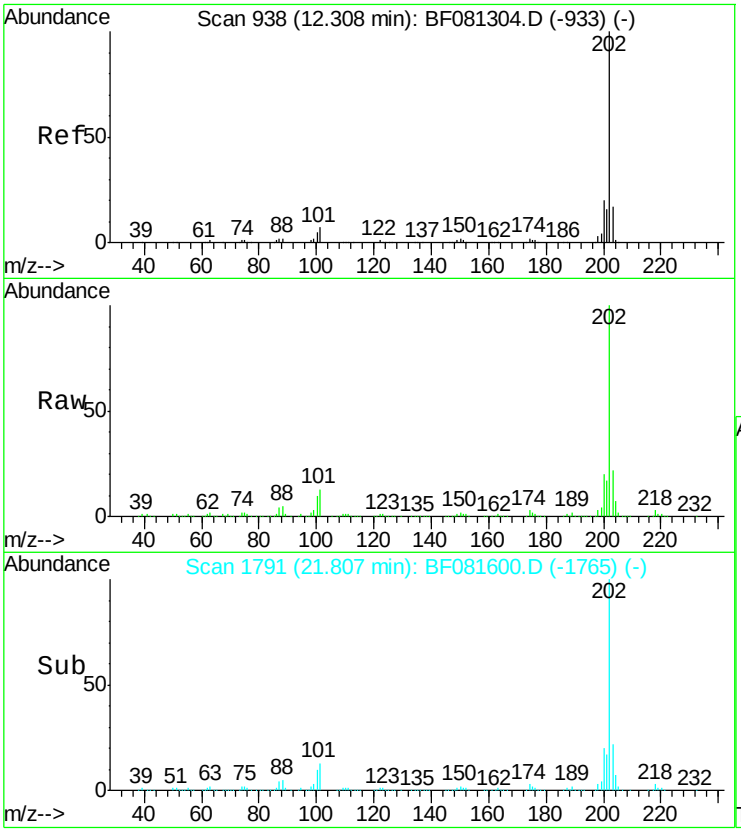


#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.41 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:240 Resp: 123852

Ion	Ratio	Lower	Upper
240	100		
120	8.3	16.2	24.2#
236	25.7	18.4	27.6



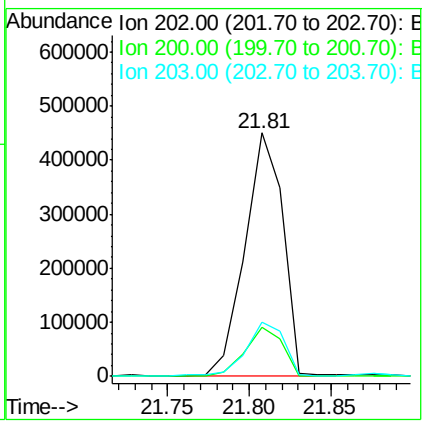


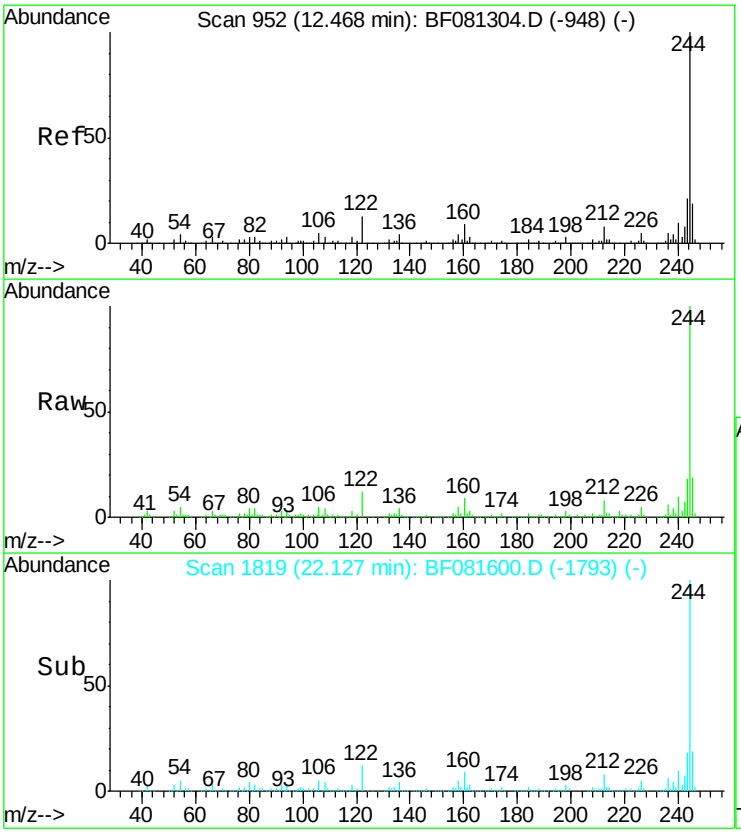
#77
Pyrene
Concen: 79.14 ng
RT: 21.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:202 Resp: 726016

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.0	22.4
203	22.1	14.1	21.1#

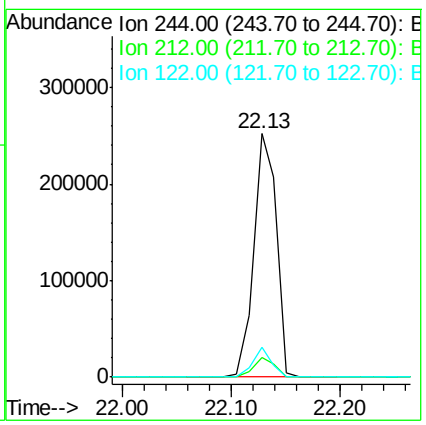


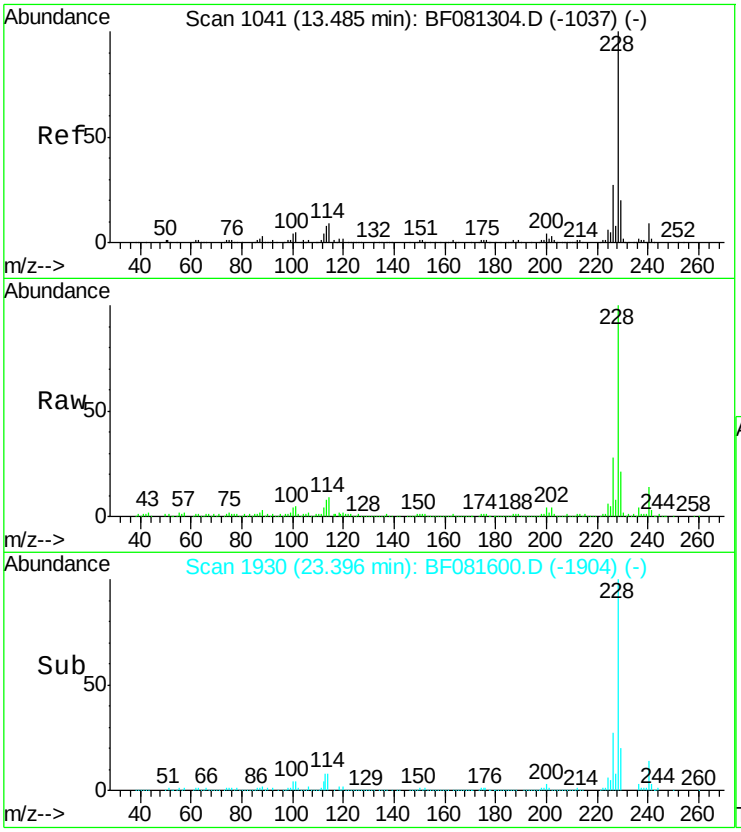


#78
Terphenyl-d14
Concen: 68.52 ng
RT: 22.13 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:244 Resp: 364566

Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.3	6.5#
122	12.4	17.4	26.2#



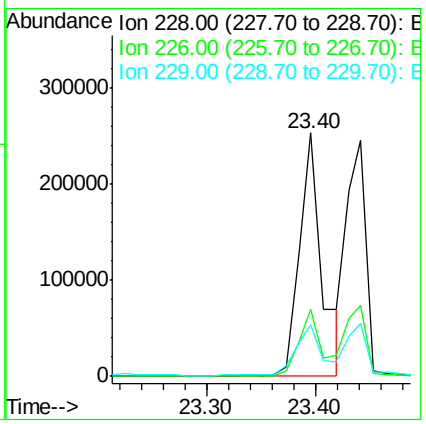


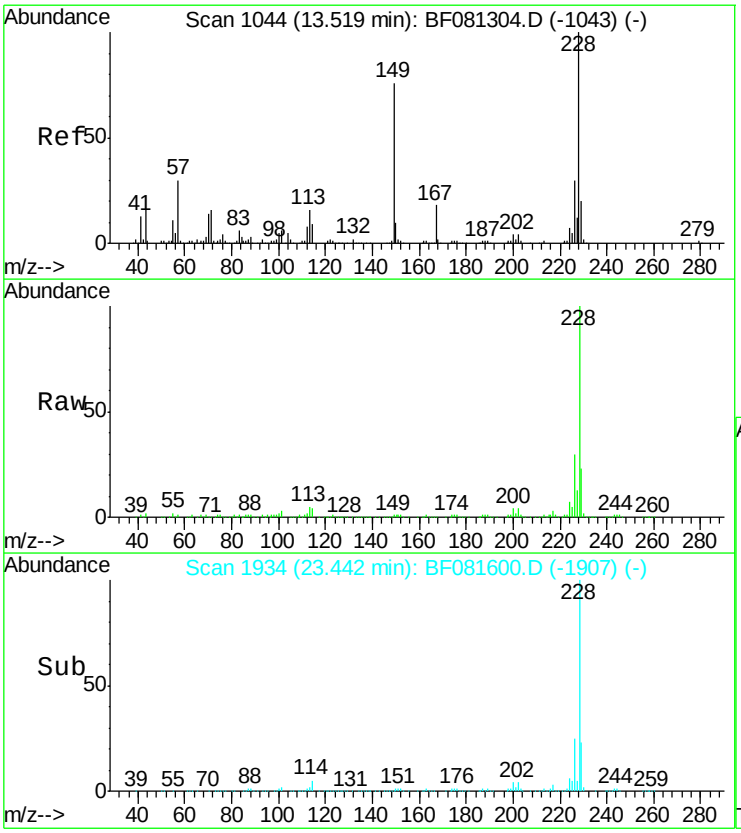
#80
Benzo(a)anthracene
Concen: 46.08 ng
RT: 23.40 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:228 Resp: 363437

Ion	Ratio	Lower	Upper
228	100		
226	27.7	20.0	30.0
229	21.0	15.4	23.2

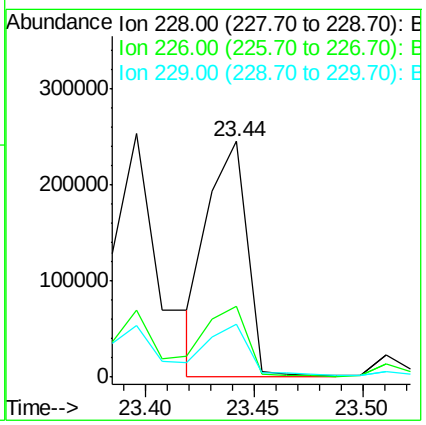


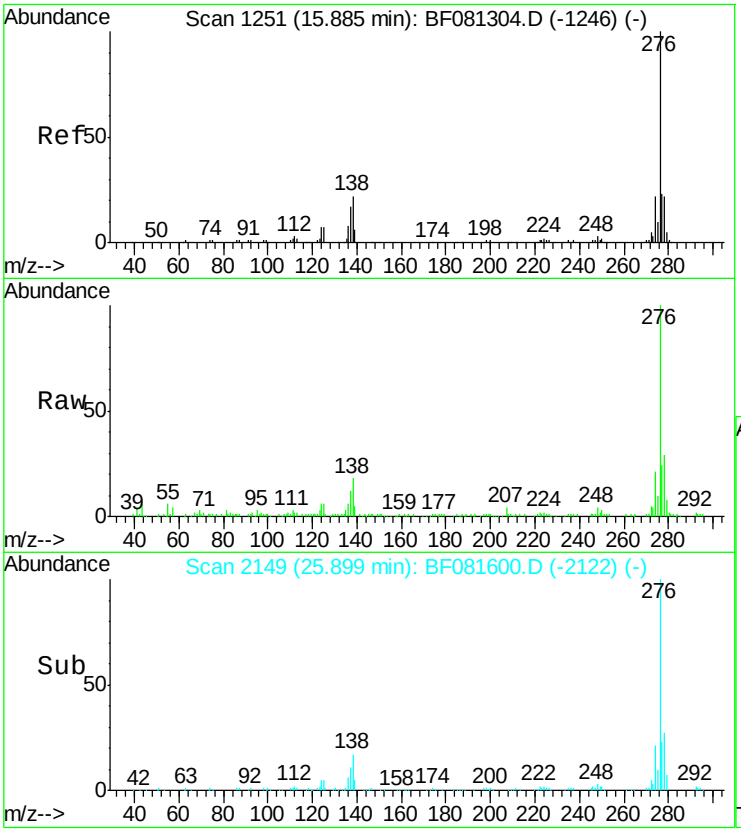


#82
Chrysene
Concen: 43.20 ng
RT: 23.44 min Scan# 1934
Delta R.T. 0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:228 Resp: 305442

Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.0	31.4
229	22.7	15.6	23.4



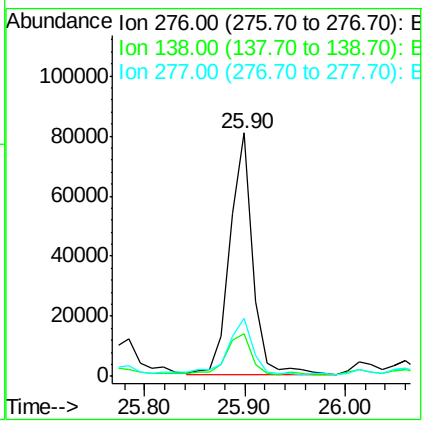


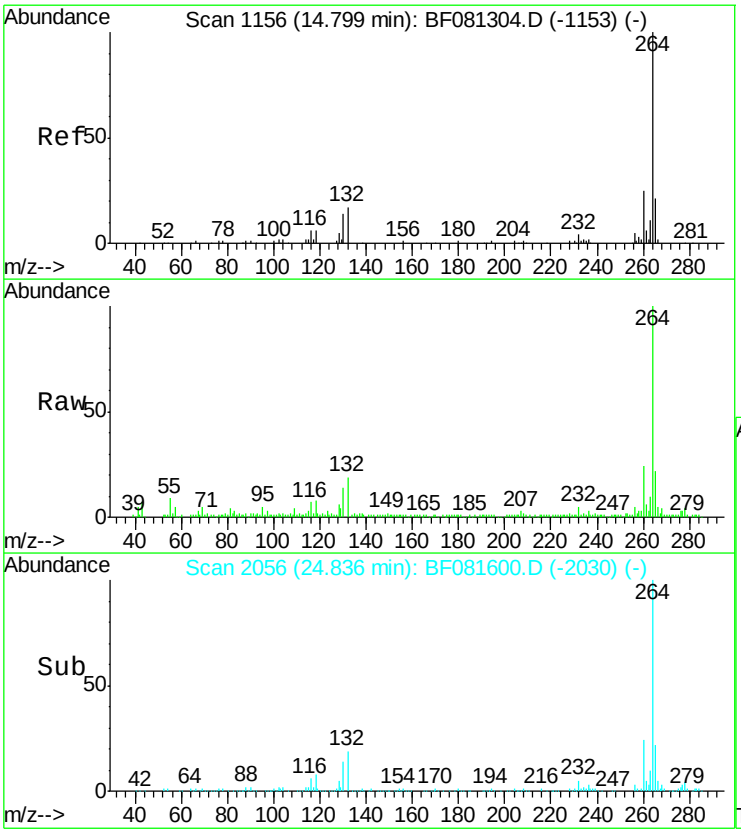
#85
Indeno(1,2,3-cd)pyrene
Concen: 24.56 ng
RT: 25.90 min Scan# 2149
Delta R.T. 0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:276 Resp: 127392

Ion	Ratio	Lower	Upper
276	100		
138	18.9	25.7	38.5#
277	26.7	15.6	23.4#

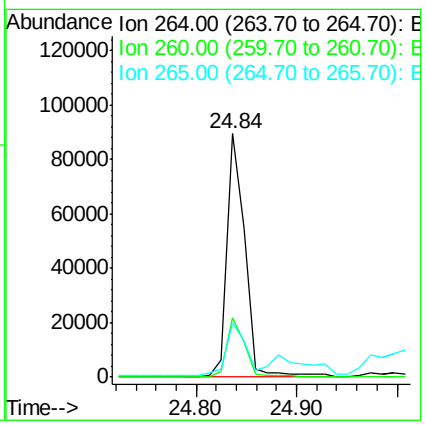


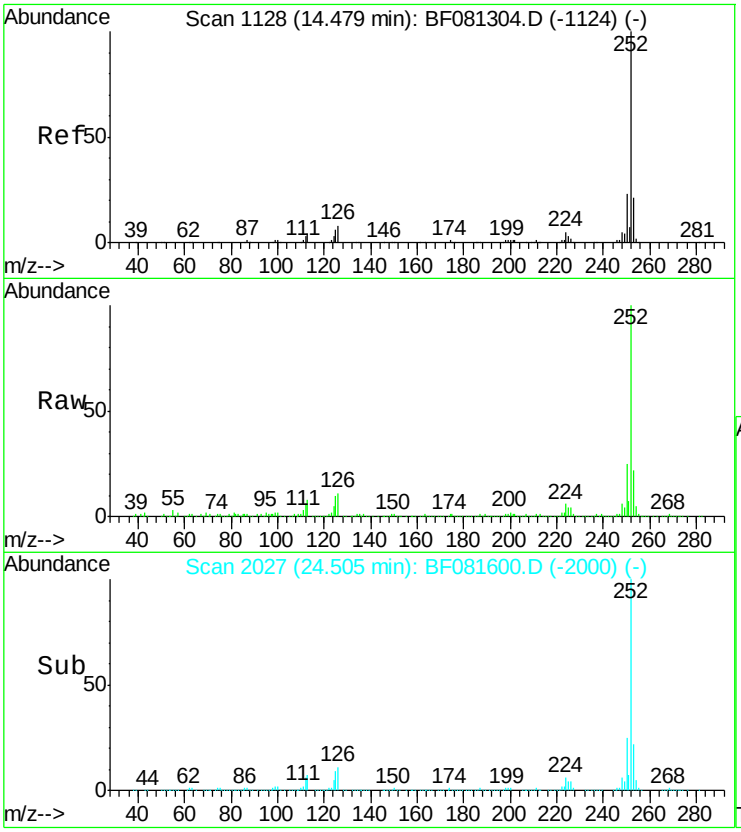


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:264 Resp: 111683

Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	22.2	17.2	25.8



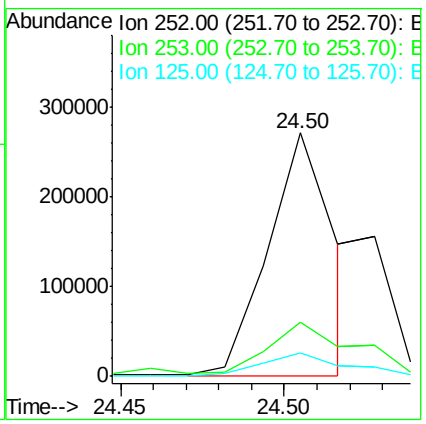


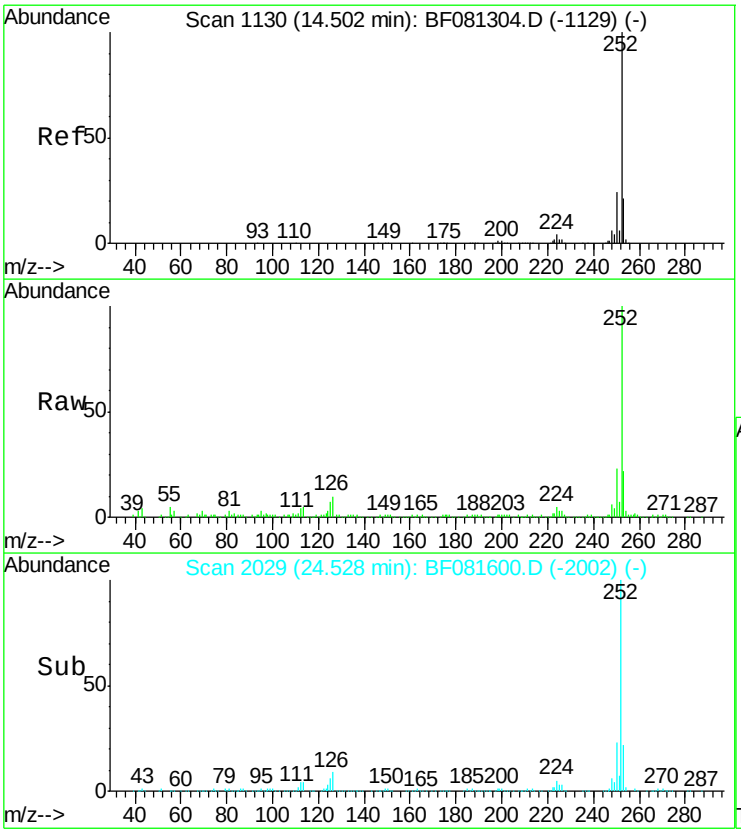
#87
Benzo(b)fluoranthene
Concen: 47.20 ng m
RT: 24.50 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:252 Resp: 376362

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	17.1	25.7#

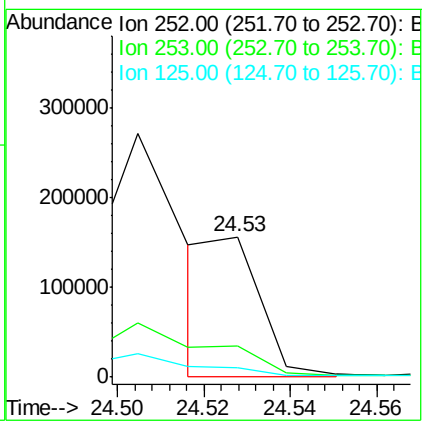


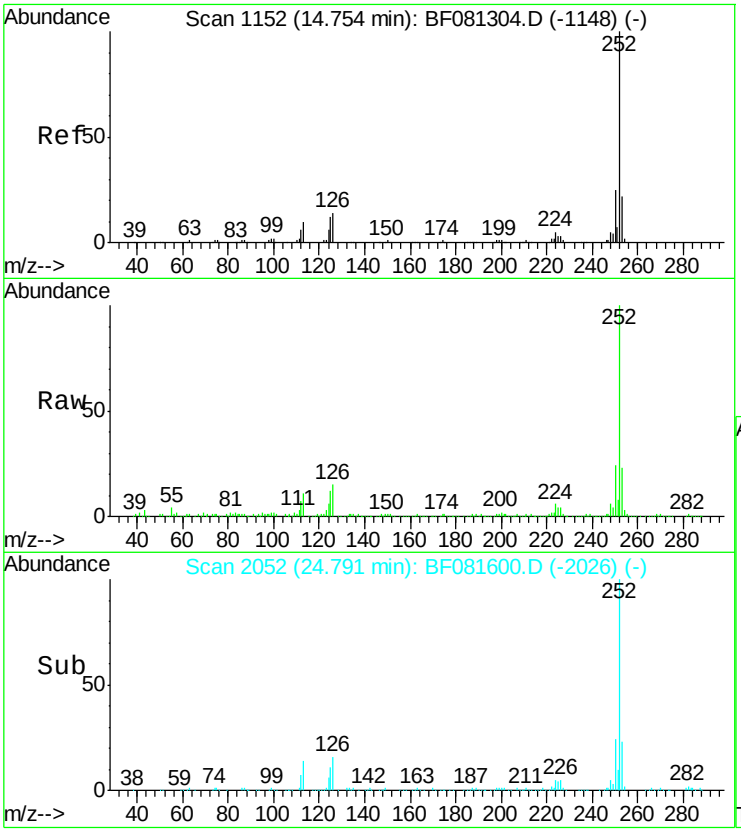


#88
Benzo(k)fluoranthene
Concen: 17.35 ng m
RT: 24.53 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:252 Resp: 114777

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	6.6	16.0	24.0#



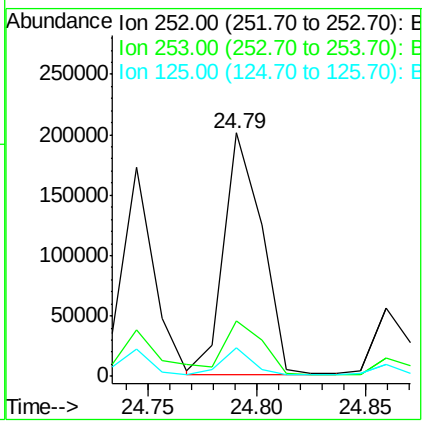


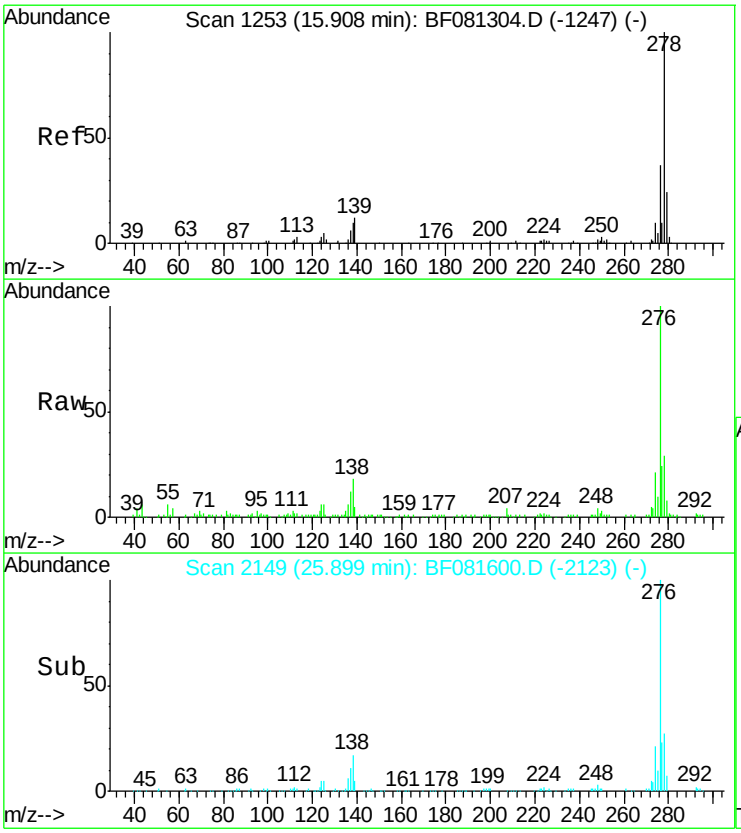
#89
Benzo(a)pyrene
Concen: 36.32 ng
RT: 24.79 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:252 Resp: 245372

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.0	18.0	27.0#

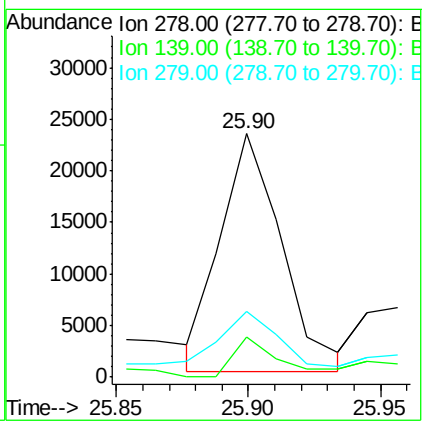


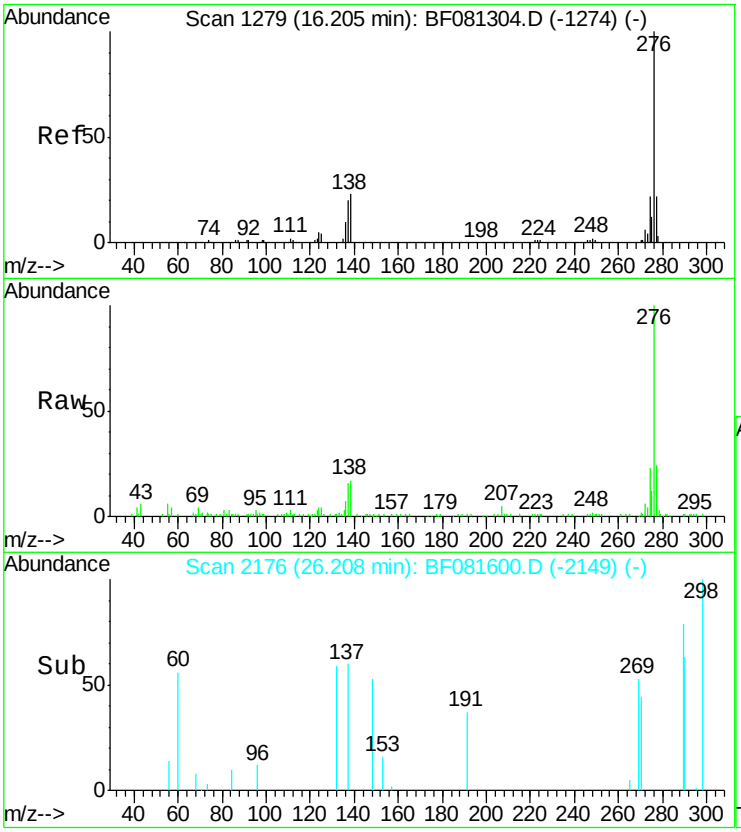


#90
Dibenzo(a,h)anthracene
Concen: 7.18 ng m
RT: 25.90 min Scan# 2149
Delta R.T. 0.00 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Tgt Ion:278 Resp: 37481

Ion	Ratio	Lower	Upper
278	100		
139	16.7	26.3	39.5#
279	27.1	18.2	27.4





#91
Benzo(g,h,i)perylene
Concen: 22.28 ng
RT: 26.21 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF081600.D
Acq: 12 Sep 2015 00:51

Instrument :
BNA_F
ClientSampleId :
SB-19(0-0.16)

Tgt Ion:276 Resp: 111029

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	17.0	34.6	51.8#