Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076883.D
Acq On : 15 Jan 2015 14:30
Operator : IZ / TP
Sample : G1030-02DL 5X
Misc : S
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP1-SS-2(4-6)DL

Quant Time: Jan 16 10:06:13 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 14 23:27:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29522	20.00	ng		0.00
21) Naphthalene-d8	10.93	136	125498	20.00	ng		0.00
38) Acenaphthene-d10	15.07	164	66972	20.00	ng		-0.01
63) Phenanthrene-d10	17.82	188	109457	20.00	ng		0.00
75) Chrysene-d12	21.31	240	110019	20.00	ng		0.00
86) Perylene-d12	23.00	264	104506	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	33149	18.46	ng		0.01
7) Phenol-d6	7.41	99	42680	18.84	ng		-0.01
23) Nitrobenzene-d5	9.30	82	25369	11.20	ng		-0.01
41) 2,4,6-Tribromophenol	16.72	330	8201	15.09	ng		0.00
44) 2-Fluorobiphenyl	13.58	172	43716	9.93	ng		-0.01
78) Terphenyl-d14	20.04	244	38491	8.05	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	10.97	128	23835	3.69	ng		96
51) Acenaphthene	15.13	154	21366	5.46	ng		94
54) Dibenzofuran	15.57	168	21882	3.84	ng		98
57) Fluorene	16.27	166	27669	5.73	ng		98
70) Phenanthrene	17.85	178	335552	49.16	ng		98
71) Anthracene	17.92	178	80909	12.16	ng		96
72) Carbazole	18.21	167	36708	5.69	ng		98
74) Fluoranthene	19.49	202	393701	56.29	ng		98
77) Pyrene	19.77	202	320954	42.57	ng	#	96
80) Benzo(a)anthracene	21.29	228	171646	24.87	ng		99
82) Chrysene	21.34	228	124644	19.80	ng		97
85) Indeno(1,2,3-cd)pyrene	24.14	276	68747	10.30	ng	#	86
87) Benzo(b)fluoranthene	22.57	252	166442m	23.65	ng		
88) Benzo(k)fluoranthene	22.60	252	53203m	8.65	ng		
89) Benzo(a)pyrene	22.93	252	111525	17.96	ng		98
90) Dibenzo(a,h)anthracene	24.16	278	14509m	2.55	ng		
91) Benzo(g,h,i)perylene	24.44	276	61294	10.82	ng	#	90

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

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Misc : S
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TP1-SS-2(4-6)DL

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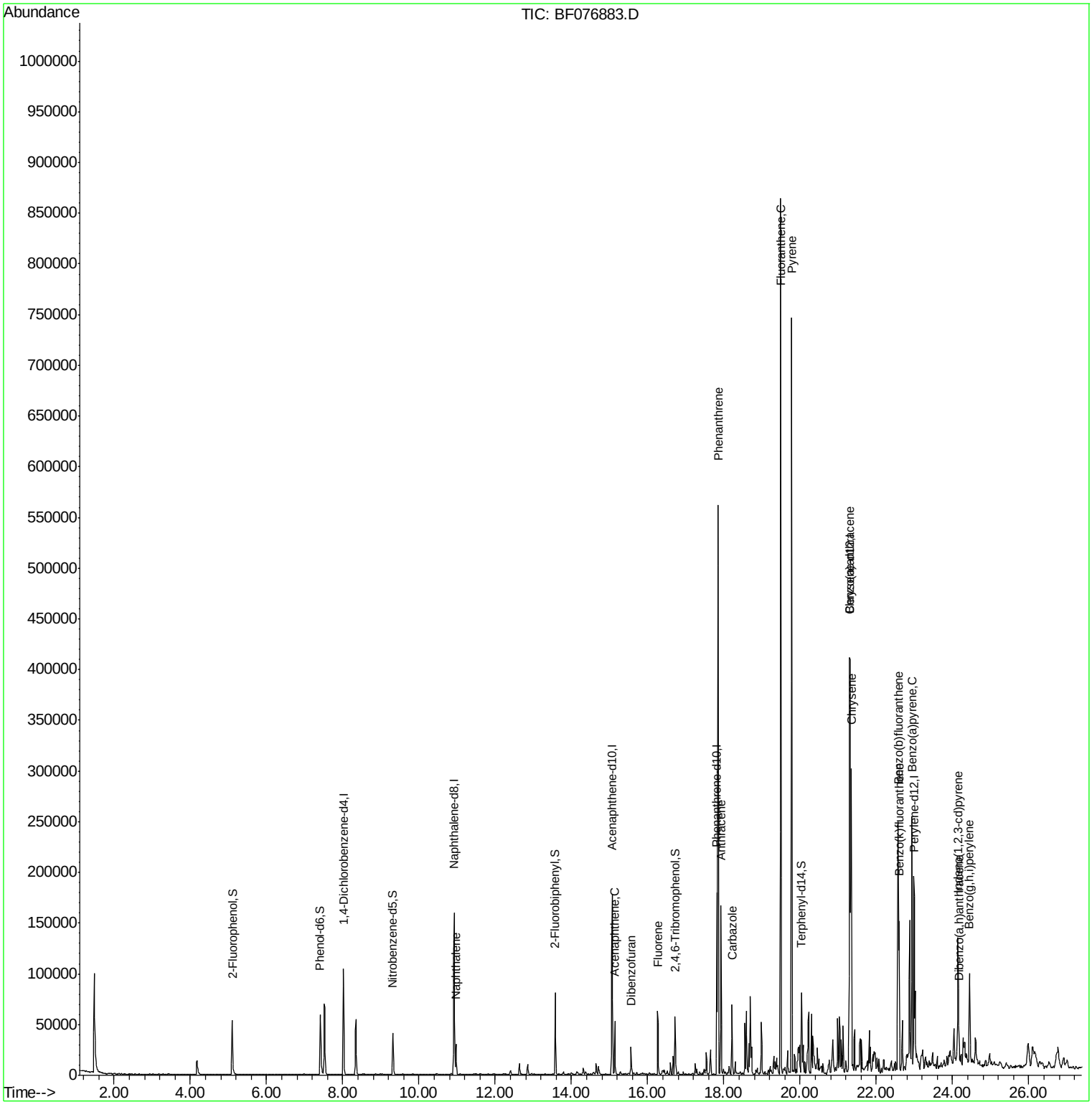
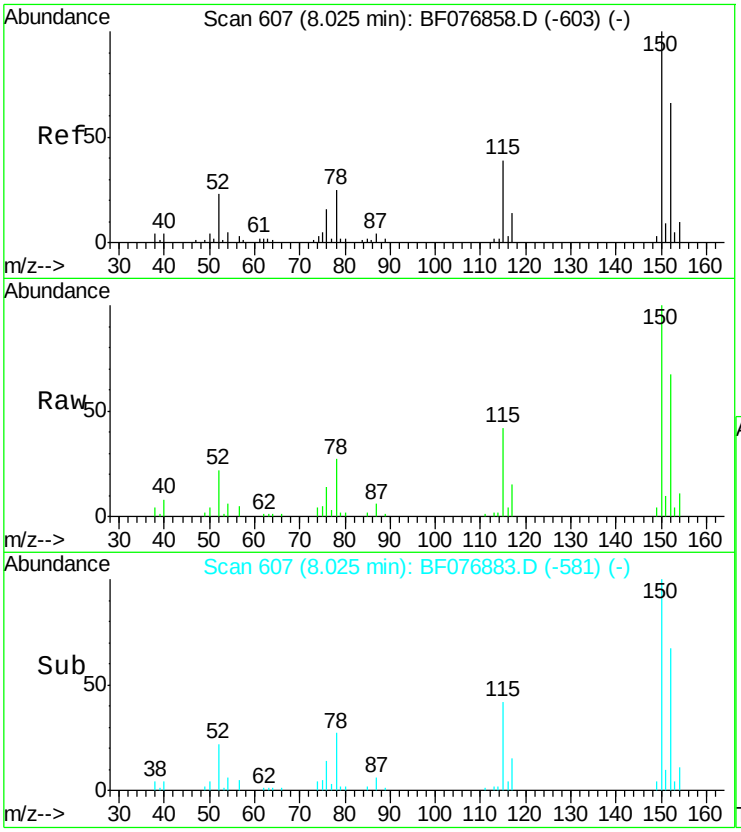


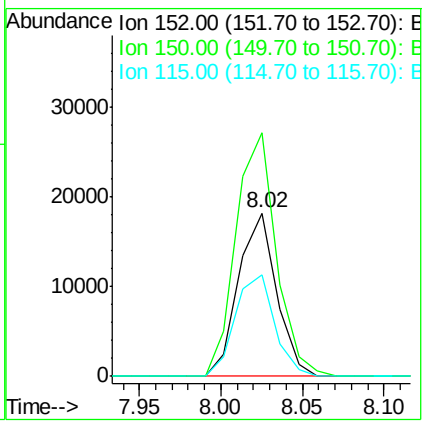


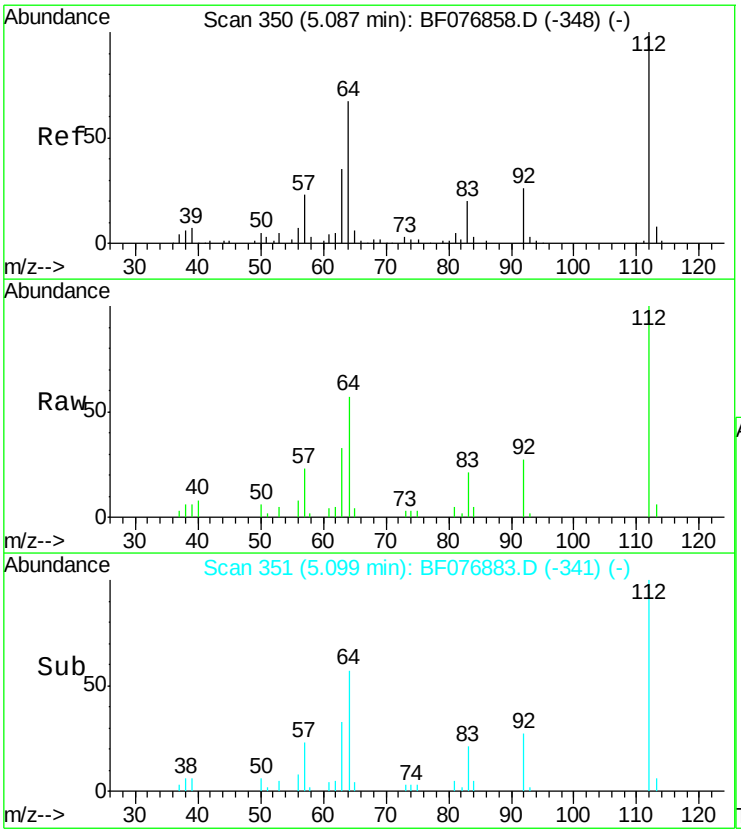
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.02 min Scan# 607
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:152 Resp: 29522

Ion	Ratio	Lower	Upper
152	100		
150	149.4	121.7	182.5
115	62.4	47.0	70.6

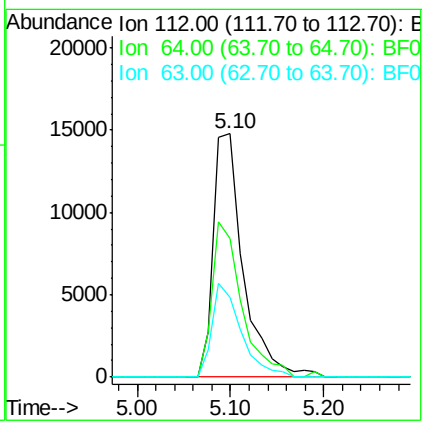


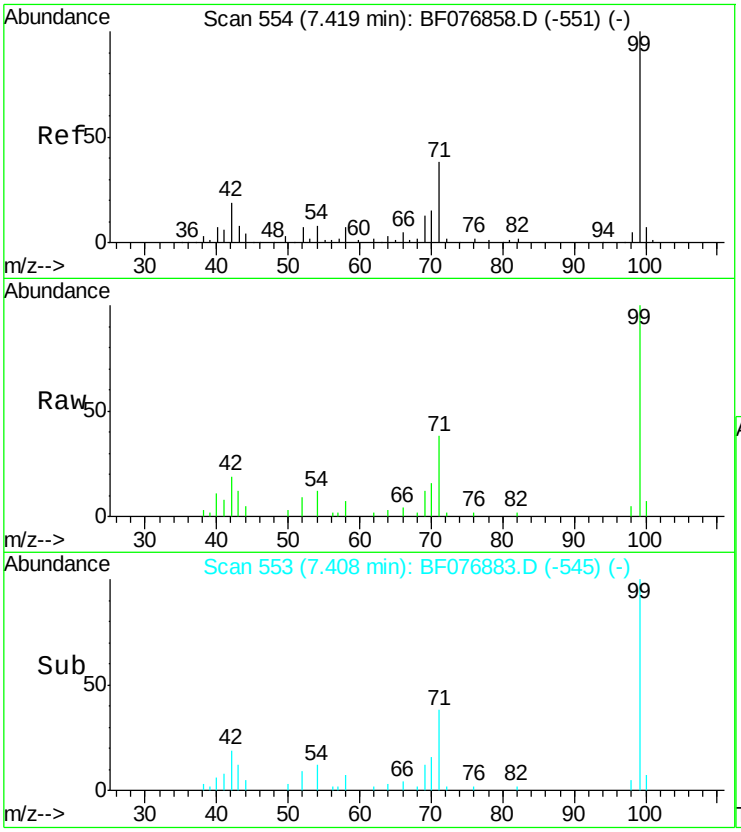


#5
2-Fluorophenol
Concen: 18.46 ng
RT: 5.10 min Scan# 351
Delta R.T. 0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:112 Resp: 33149

Ion	Ratio	Lower	Upper
112	100		
64	56.8	54.2	81.4
63	32.7	28.4	42.6



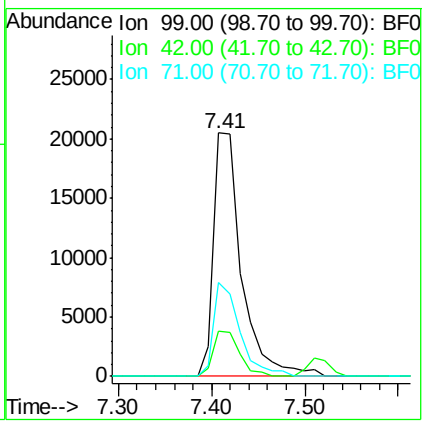


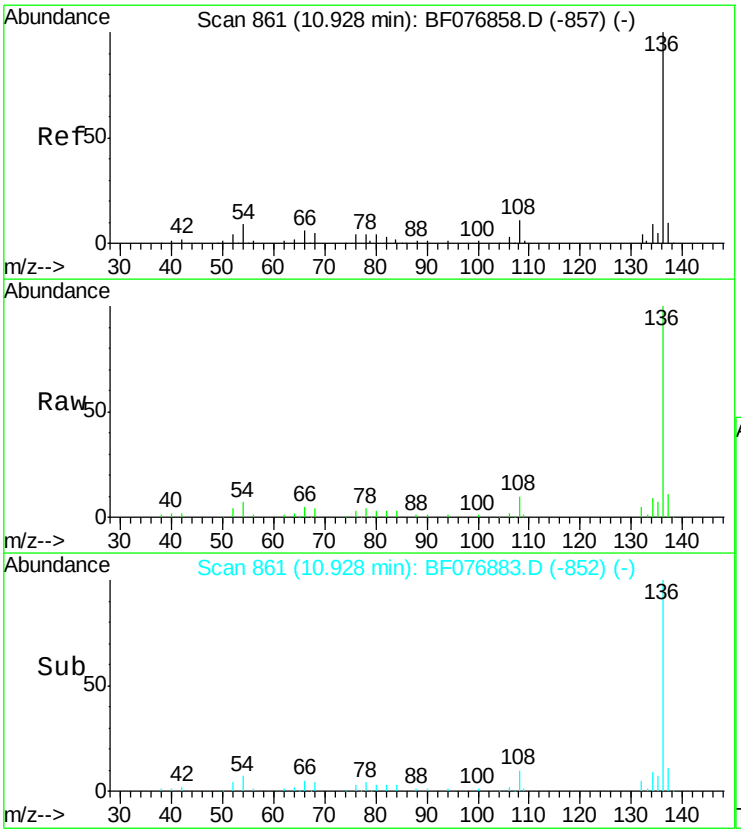
#7
Phenol-d6
Concen: 18.84 ng
RT: 7.41 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion: 99 Resp: 42680

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	38.4	30.5	45.7

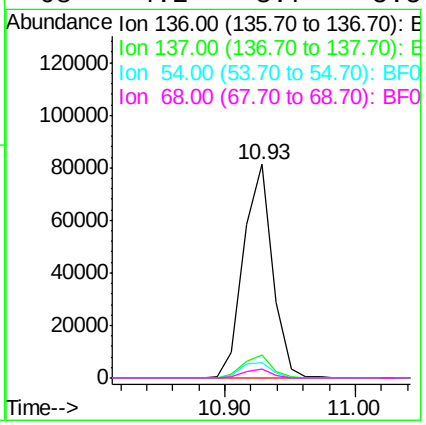


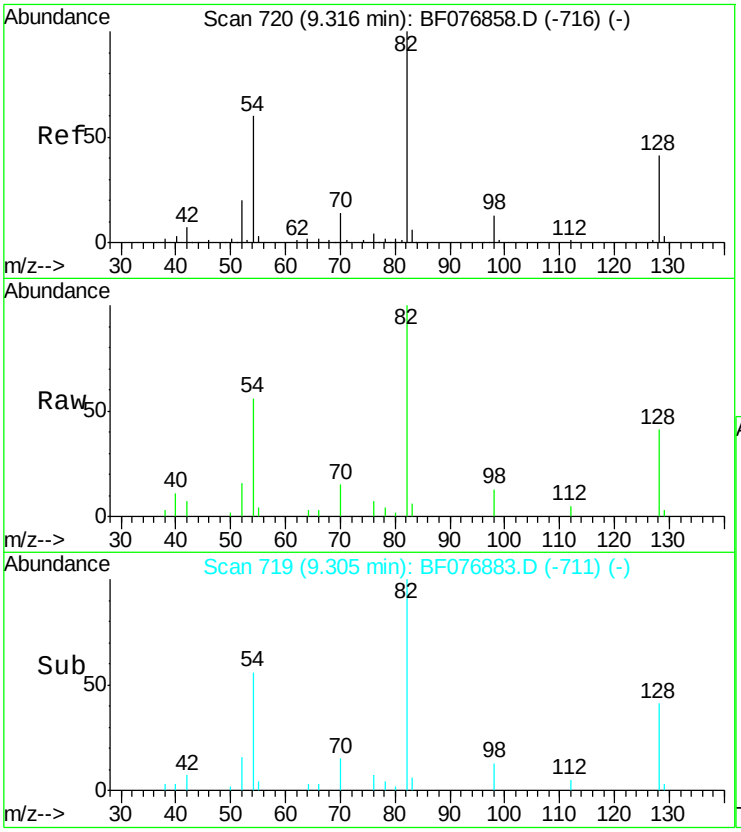


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:136 Resp: 125498

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.1	12.1
54	7.3	7.0	10.4
68	4.2	3.7	5.5



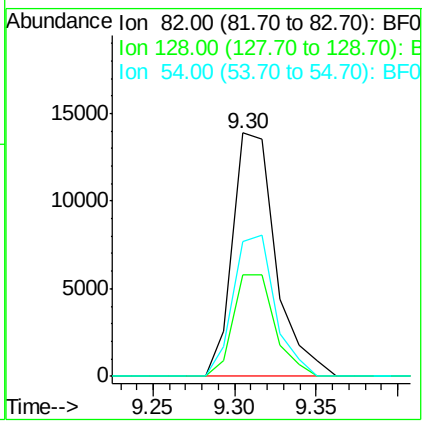


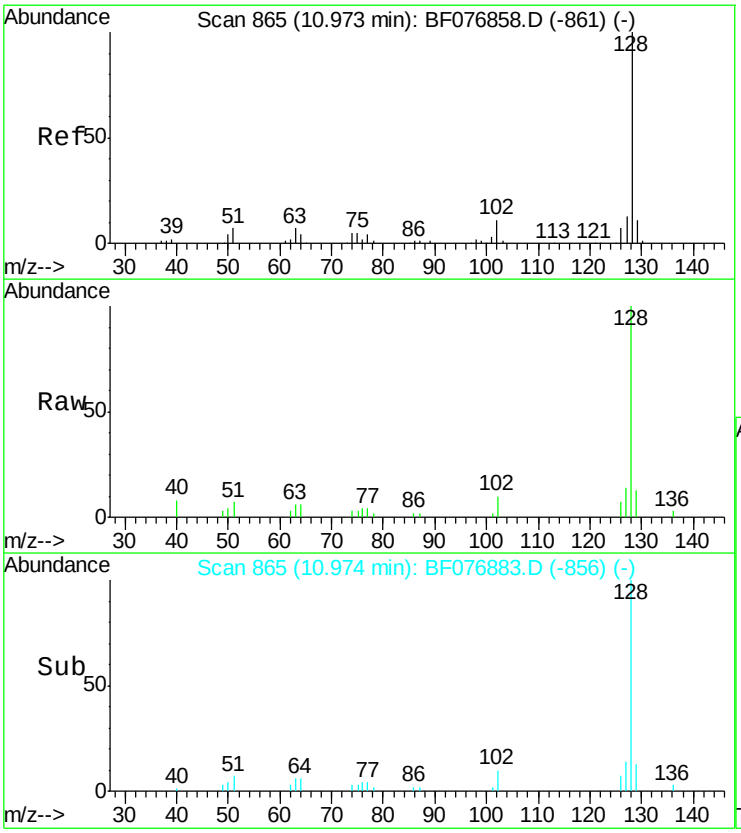
#23
Nitrobenzene-d5
Concen: 11.20 ng
RT: 9.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion: 82 Resp: 25369

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.1	49.7
54	55.5	48.3	72.5

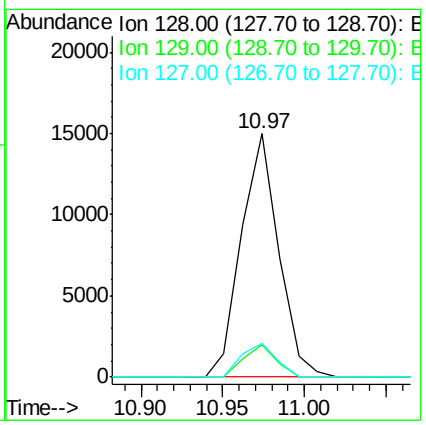


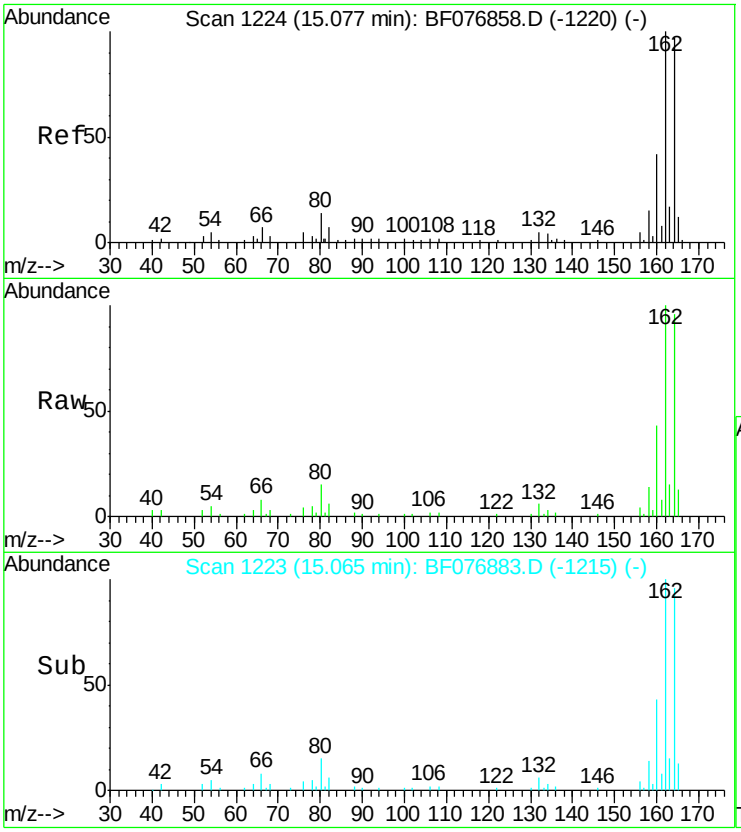


#31
Naphthalene
Concen: 3.69 ng
RT: 10.97 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:128 Resp: 23835

Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.0	13.6
127	13.8	10.2	15.2



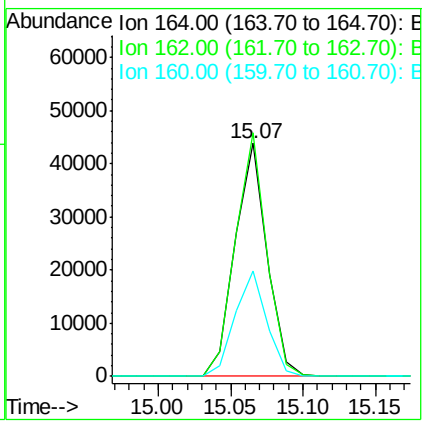


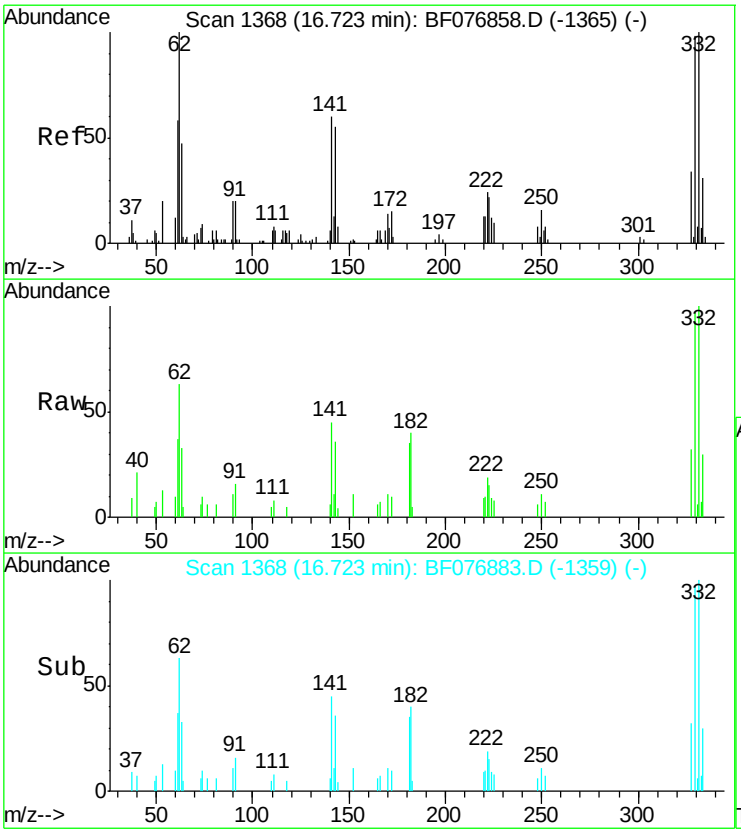
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.07 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:164 Resp: 66972

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.4	123.6
160	45.0	34.8	52.2

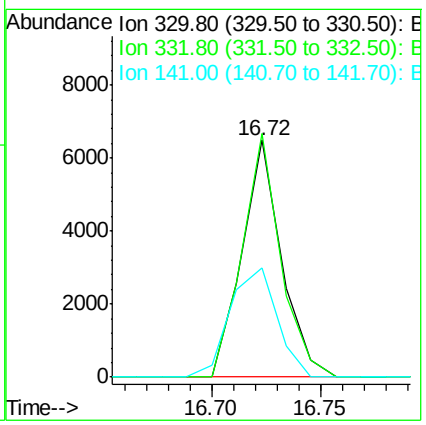


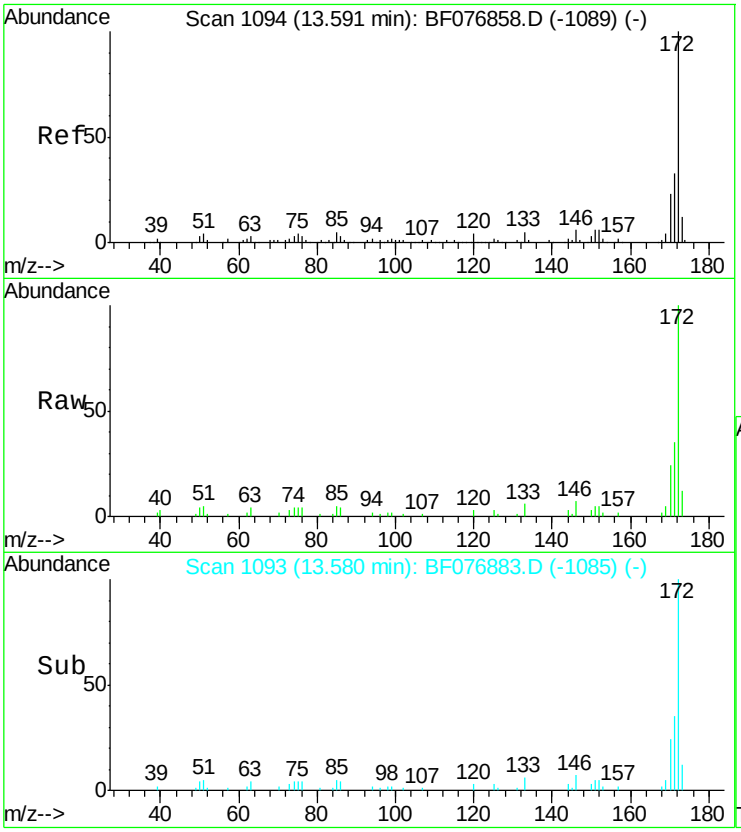


#41
2,4,6-Tribromophenol
Concen: 15.09 ng
RT: 16.72 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:330 Resp: 8201

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.8	116.6
141	54.9	38.5	57.7



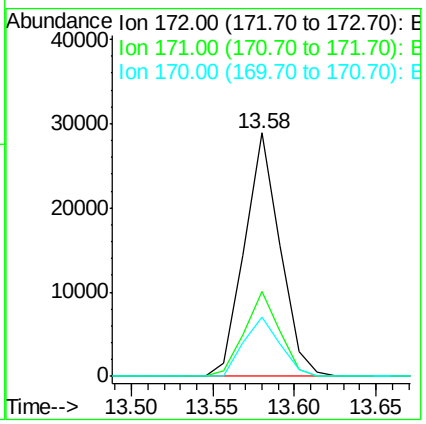


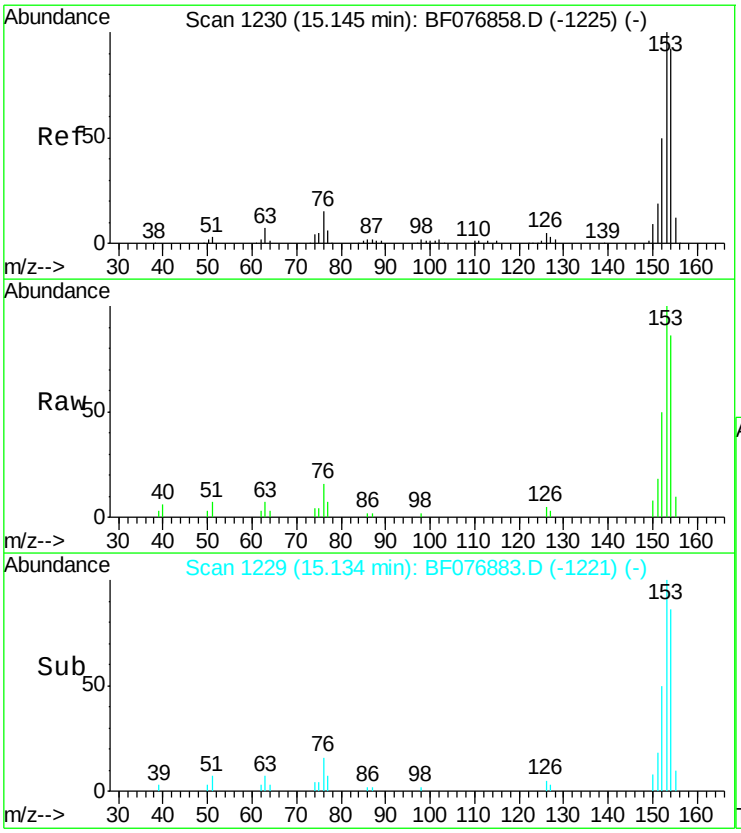
#44
2-Fluorobiphenyl
Concen: 9.93 ng
RT: 13.58 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:172 Resp: 43716

Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.6	40.0
170	24.2	18.0	27.0

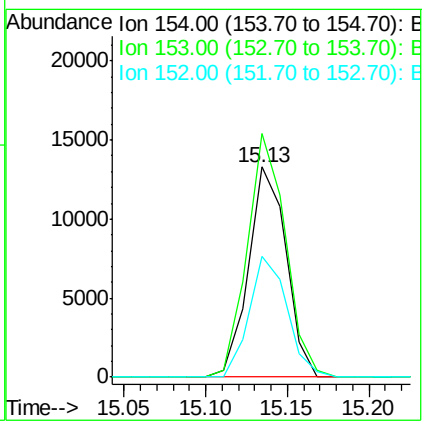


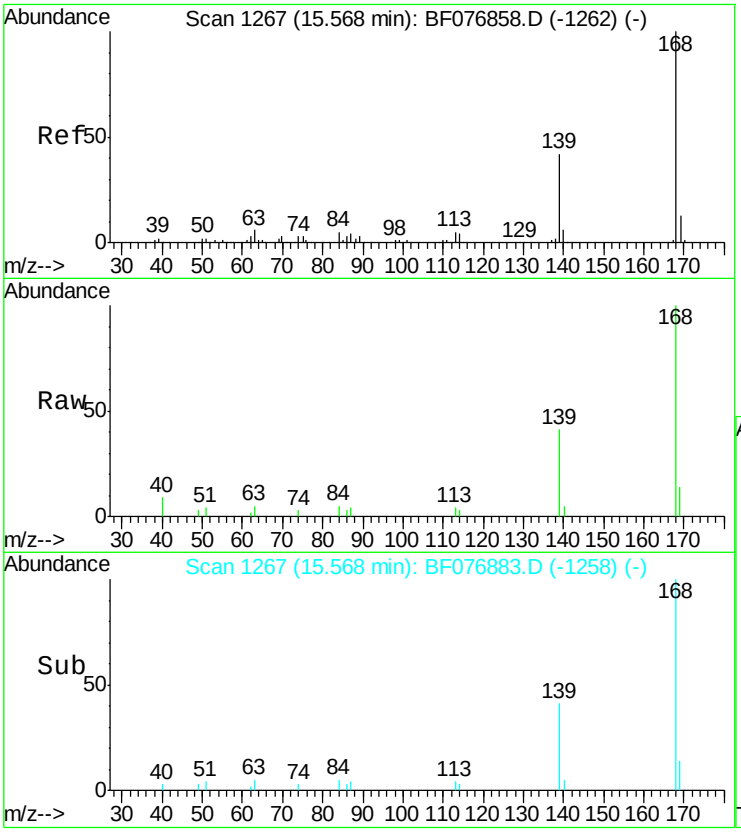


#51
Acenaphthene
Concen: 5.46 ng
RT: 15.13 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:154 Resp: 21366

Ion	Ratio	Lower	Upper
154	100		
153	115.8	87.0	130.6
152	57.4	43.5	65.3



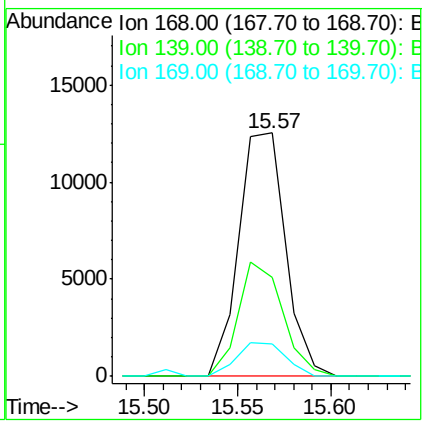


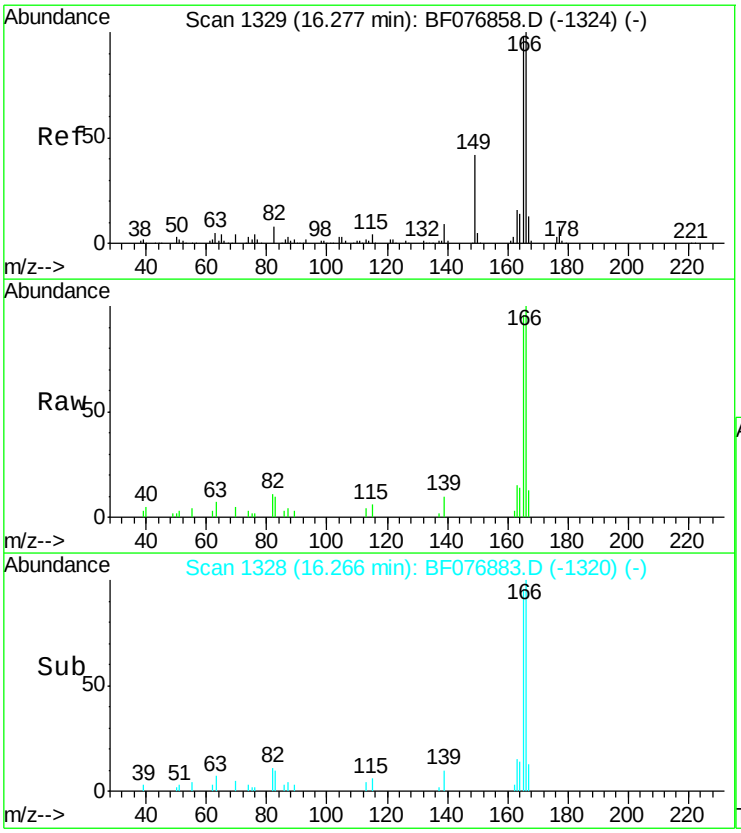
#54
Dibenzofuran
Concen: 3.84 ng
RT: 15.57 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:168 Resp: 21882

Ion	Ratio	Lower	Upper
168	100		
139	40.5	33.4	50.2
169	13.6	10.6	15.8

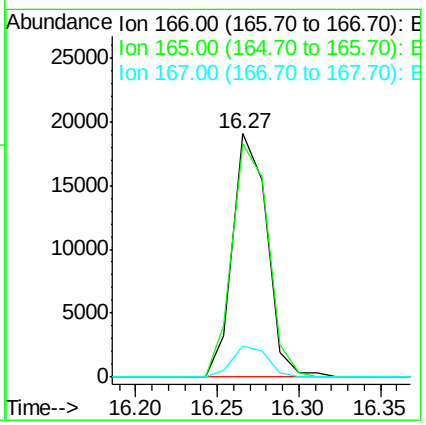


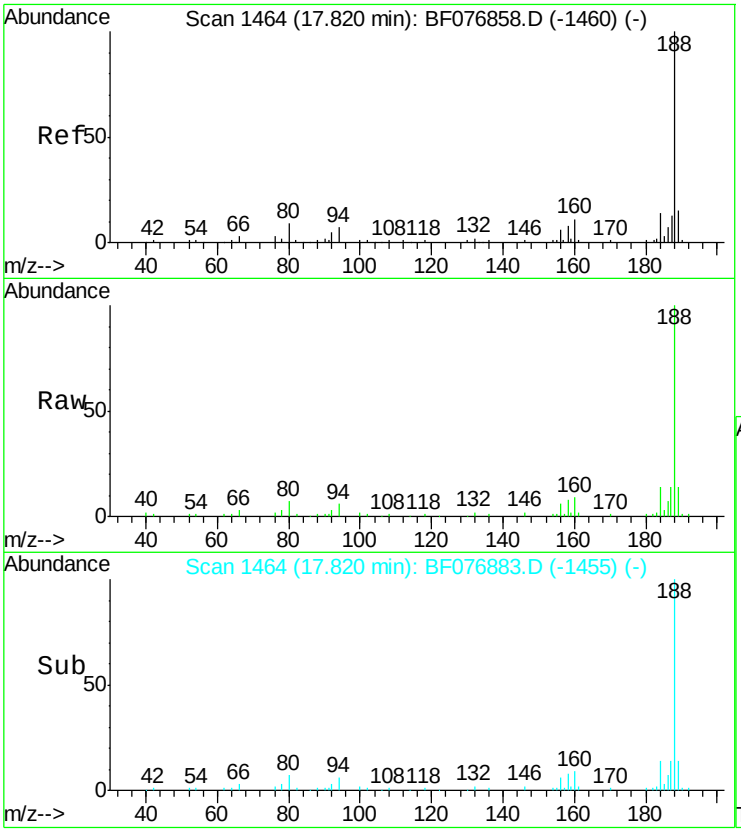


#57
Fluorene
Concen: 5.73 ng
RT: 16.27 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:166 Resp: 27669

Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.5	117.7
167	12.7	10.4	15.6



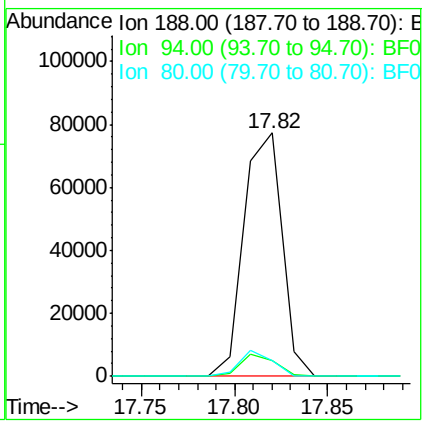


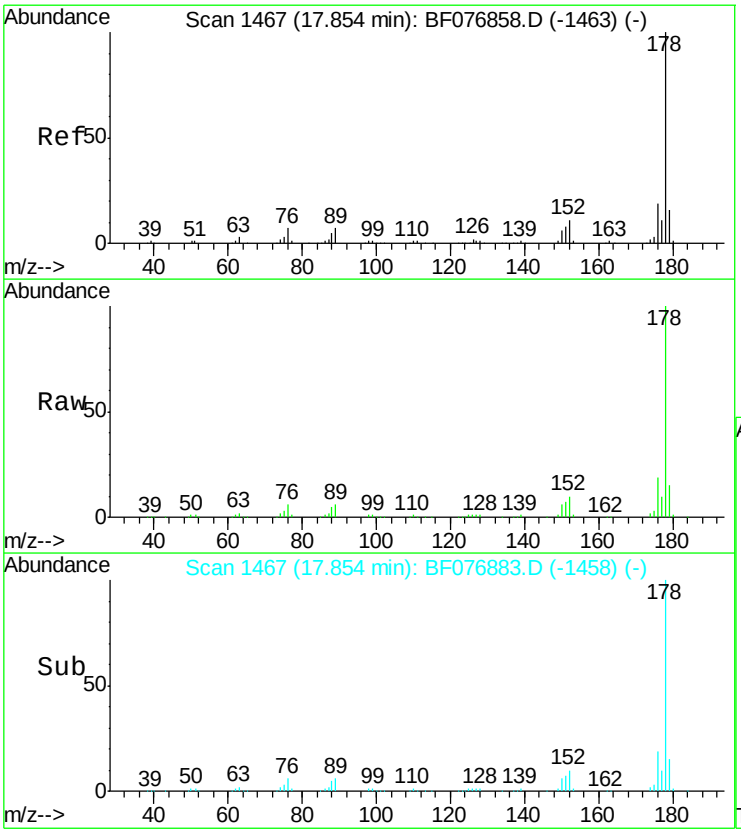
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.82 min Scan# 1464
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:188 Resp: 109457

Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.0	9.0
80	6.7	6.9	10.3#

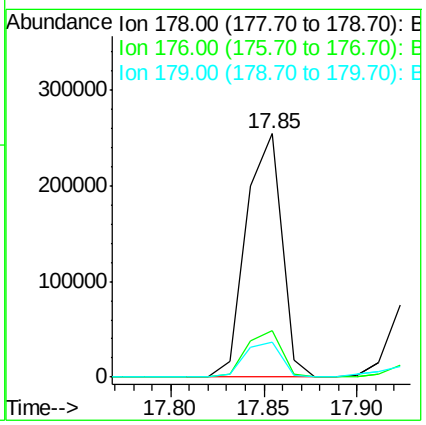


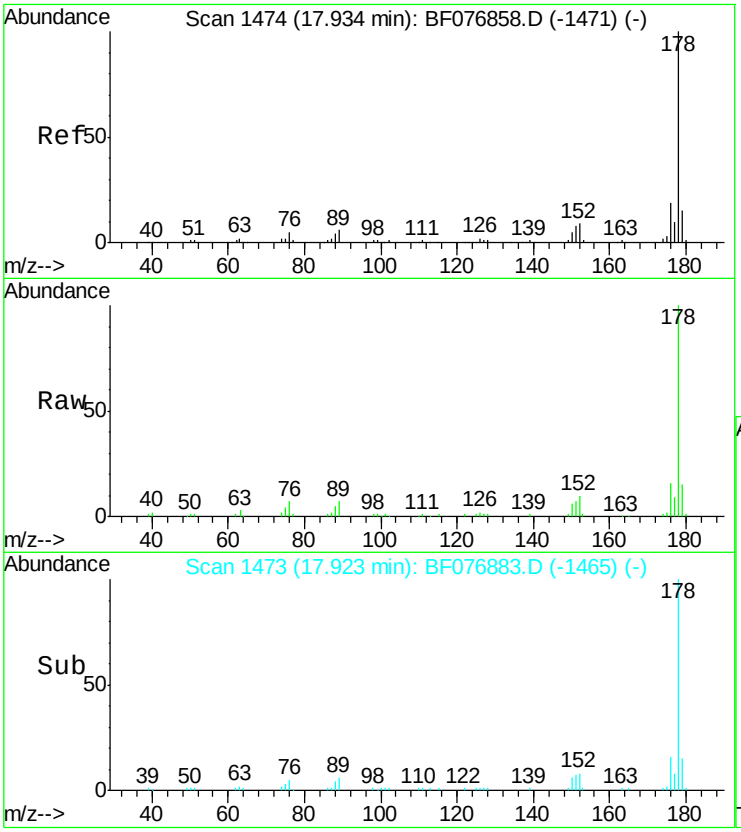


#70
Phenanthrene
Concen: 49.16 ng
RT: 17.85 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:178 Resp: 335552

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	14.6	12.7	19.1



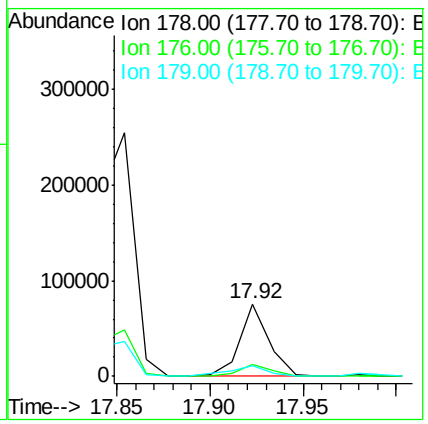


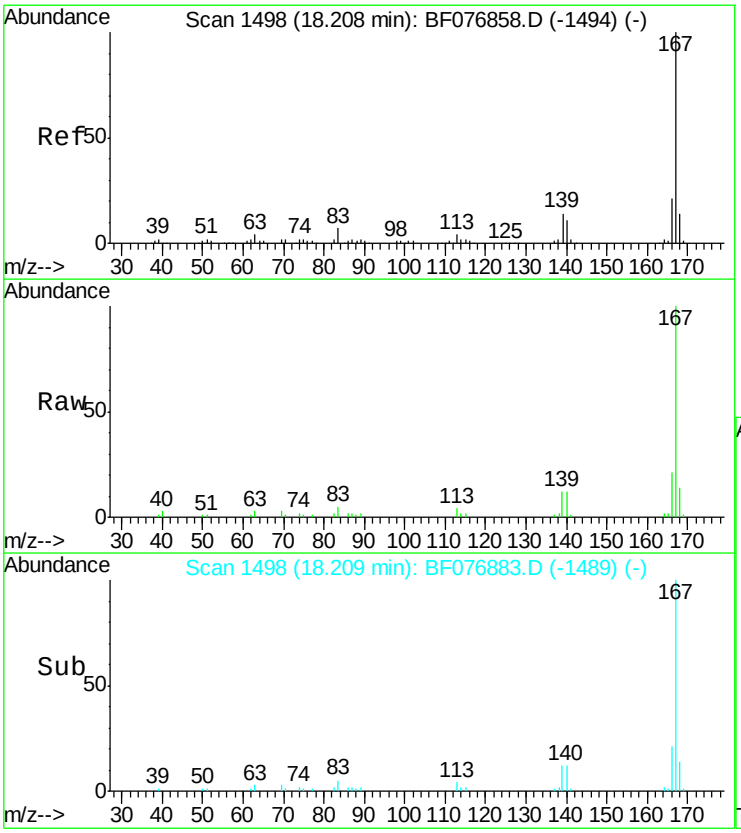
#71
Anthracene
Concen: 12.16 ng
RT: 17.92 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:178 Resp: 80909

Ion	Ratio	Lower	Upper
178	100		
176	16.2	15.4	23.0
179	15.0	11.9	17.9

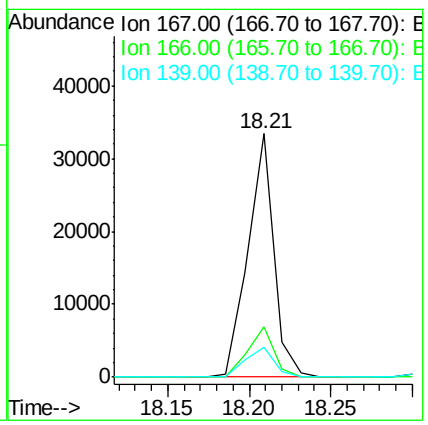


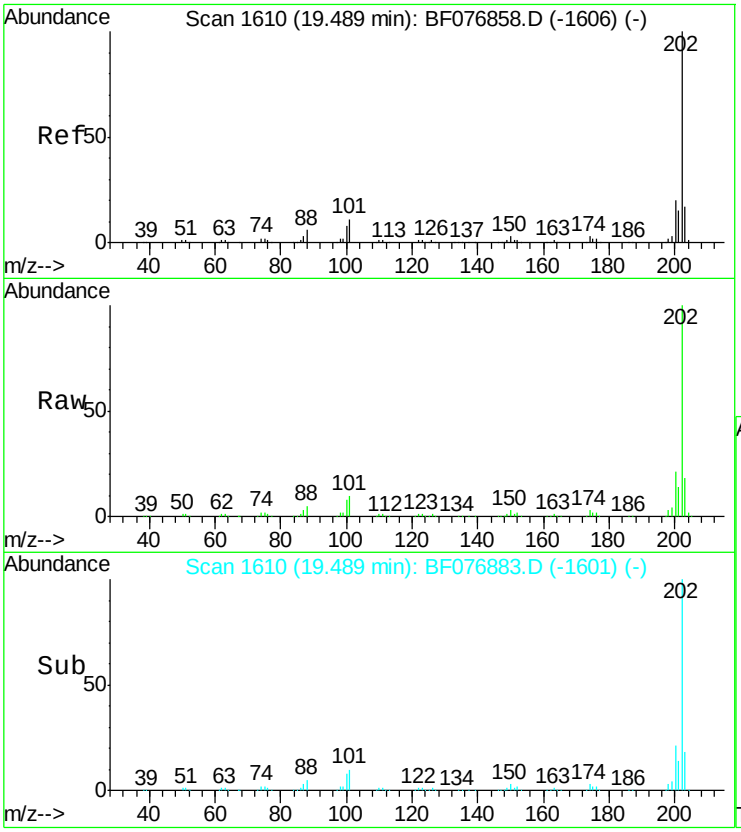


#72
Carbazole
Concen: 5.69 ng
RT: 18.21 min Scan# 1498
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:167 Resp: 36708

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.5	11.3	16.9



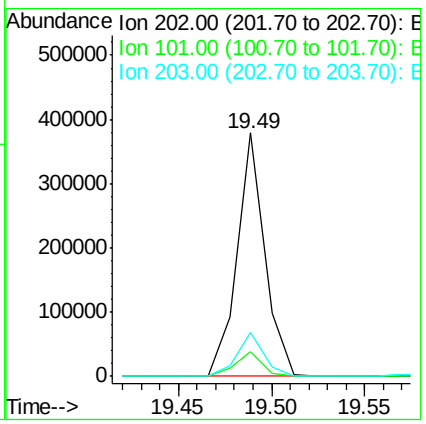


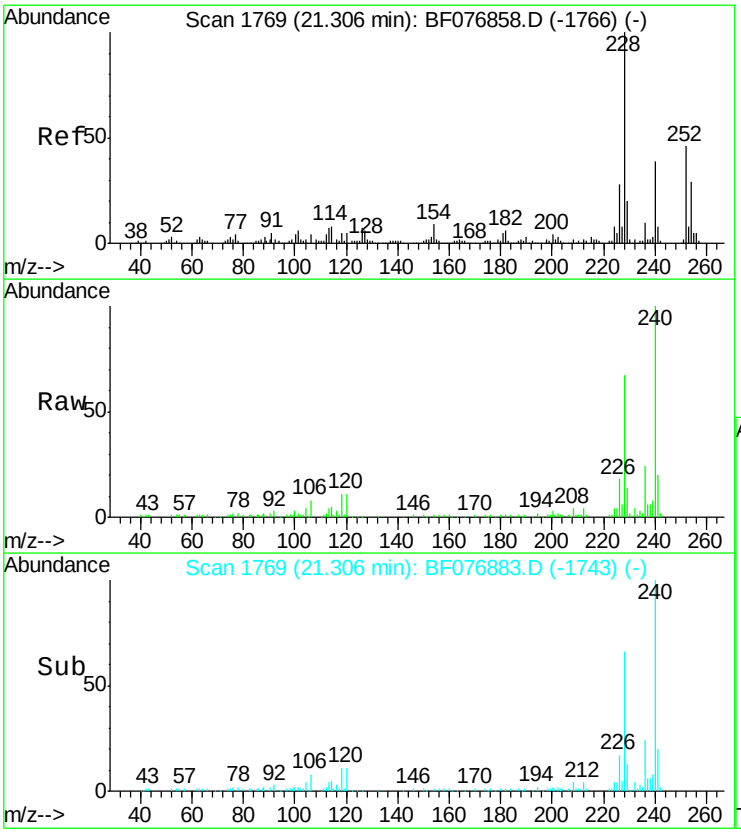
#74
Fluoranthene
Concen: 56.29 ng
RT: 19.49 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:202 Resp: 393701

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.7
203	18.0	0.0	36.9

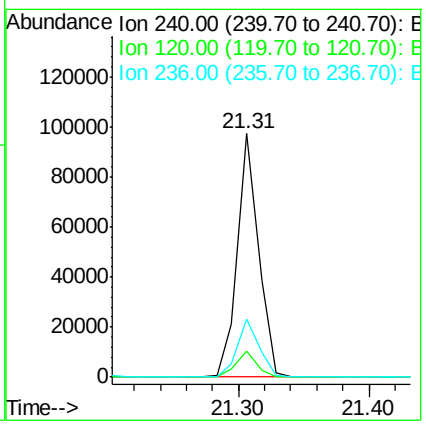


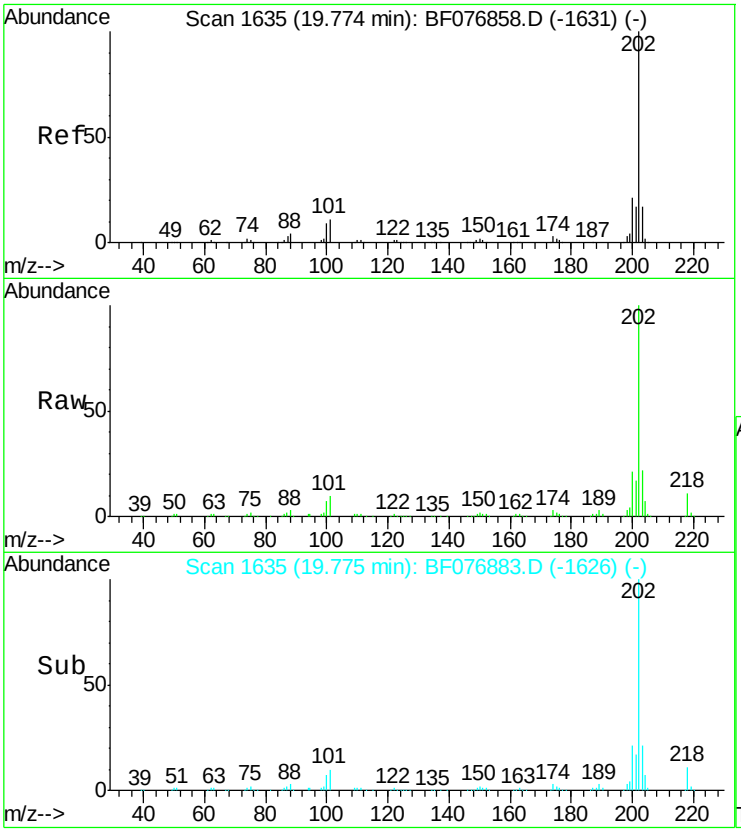


#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.31 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:240 Resp: 110019

Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.4	15.6
236	23.9	20.2	30.2



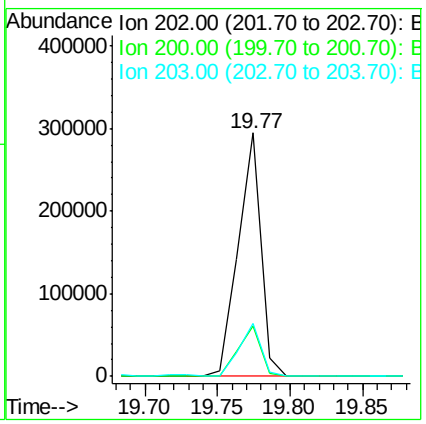


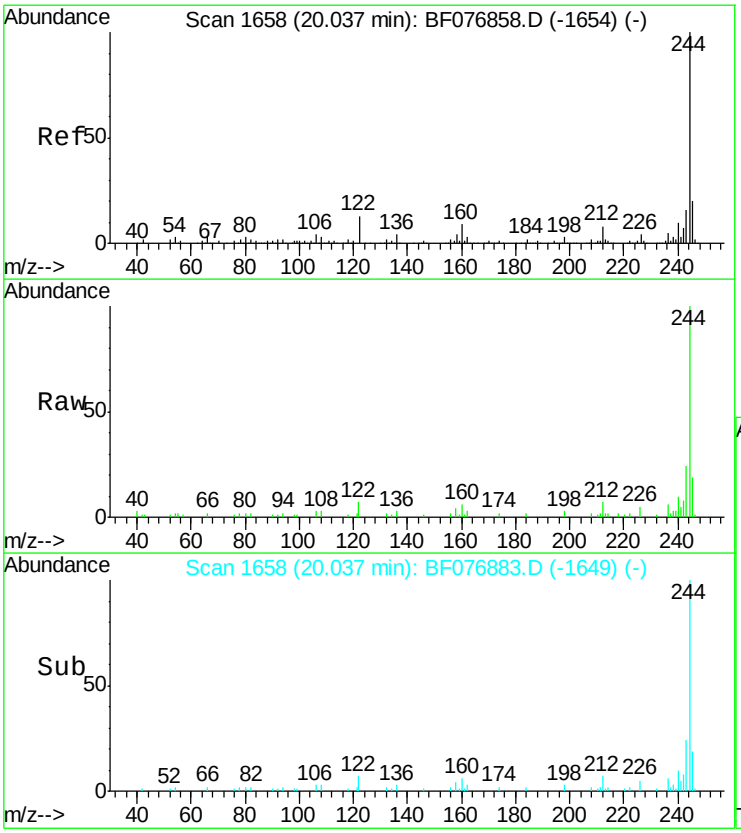
#77
Pyrene
Concen: 42.57 ng
RT: 19.77 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:202 Resp: 320954

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	21.6	14.0	21.0#

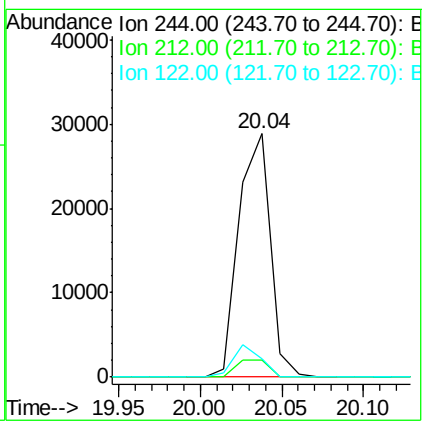


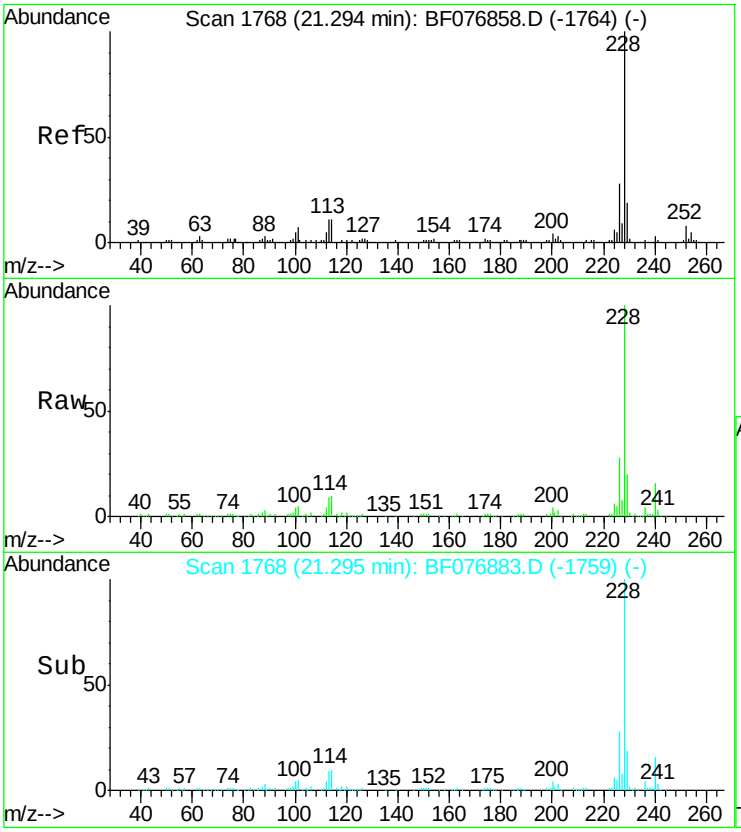


#78
Terphenyl-d14
Concen: 8.05 ng
RT: 20.04 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:244 Resp: 38491

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	7.4	10.1	15.1#



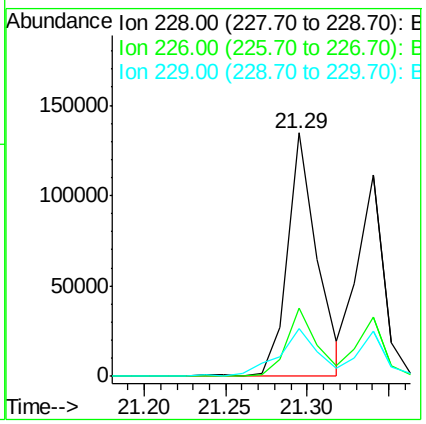


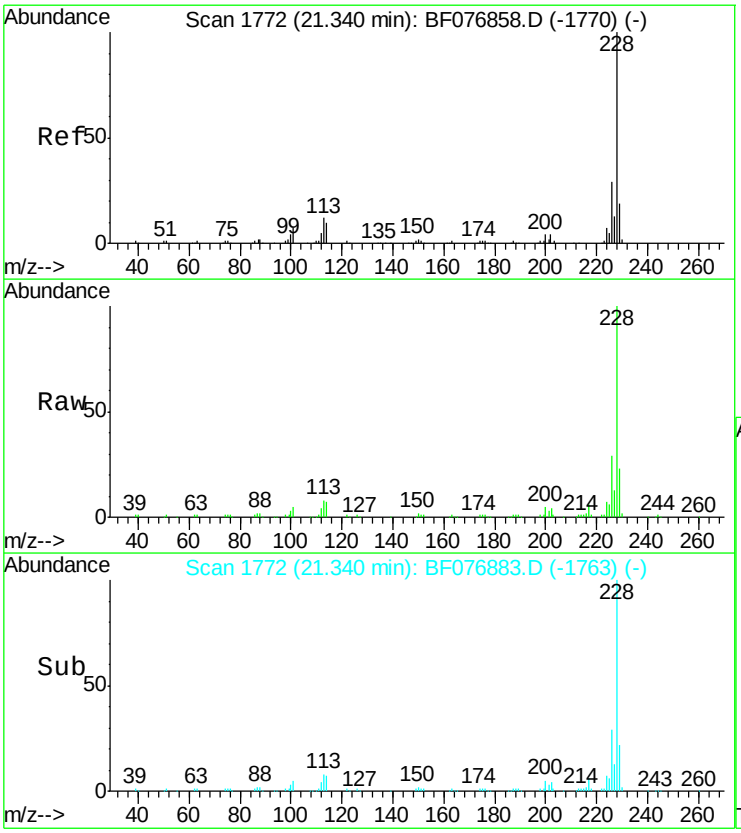
#80
Benzo(a)anthracene
Concen: 24.87 ng
RT: 21.29 min Scan# 1768
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:228 Resp: 171646

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	19.8	15.5	23.3

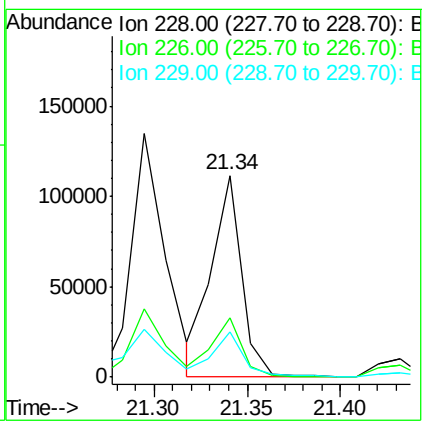


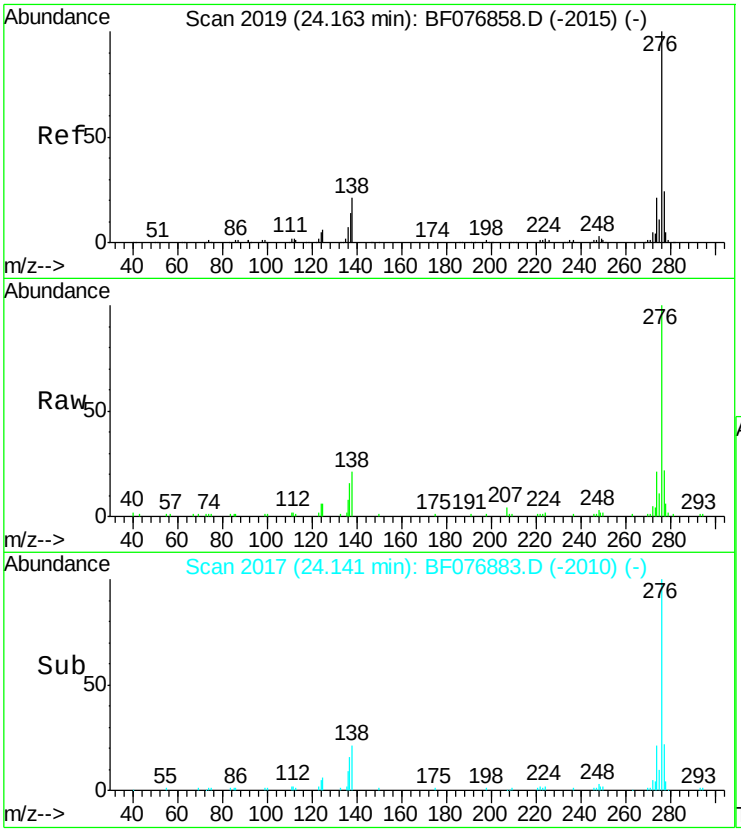


#82
Chrysene
Concen: 19.80 ng
RT: 21.34 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:228 Resp: 124644

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.0
229	22.7	15.4	23.0



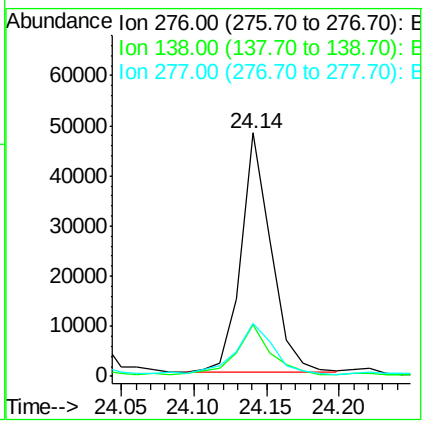


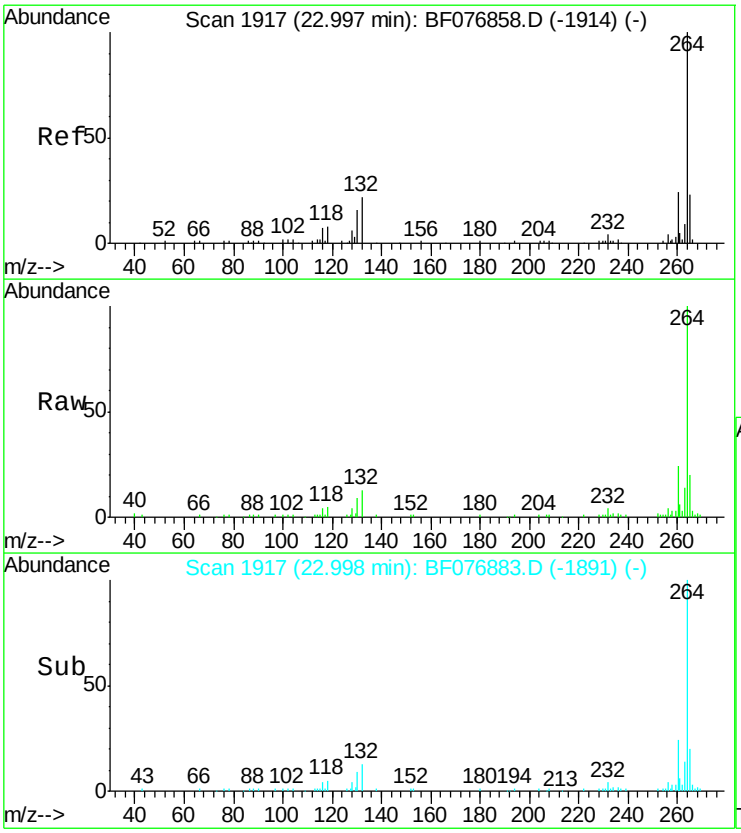
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.30 ng
RT: 24.14 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:276 Resp: 68747

Ion	Ratio	Lower	Upper
276	100		
138	23.3	14.6	22.0#
277	26.4	14.8	22.2#

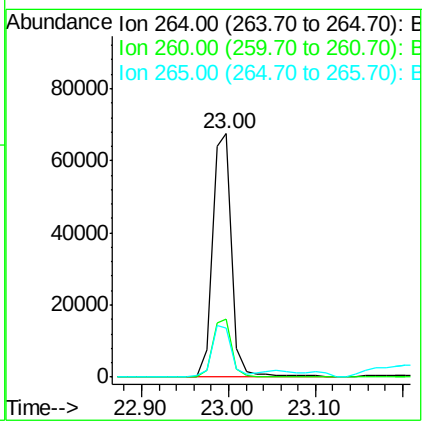


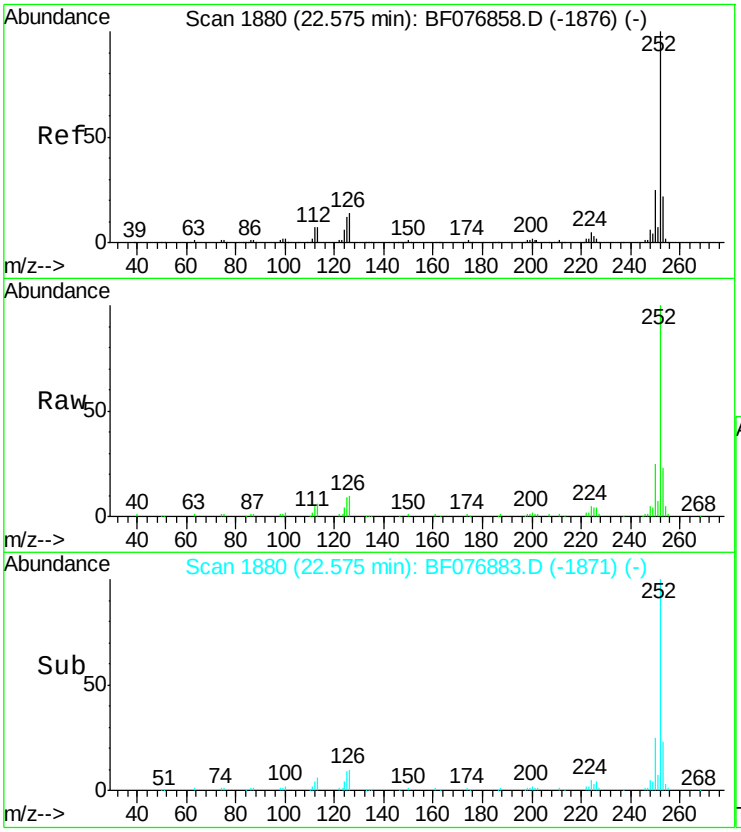


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.00 min Scan# 1917
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:264 Resp: 104506

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	20.1	18.1	27.1



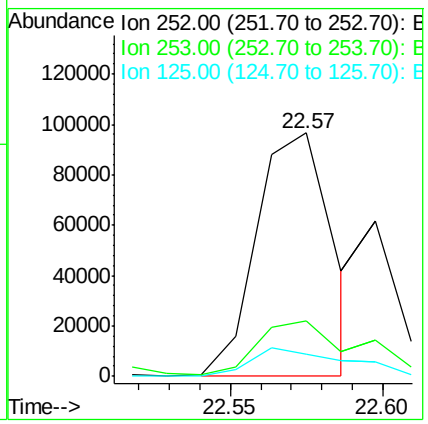


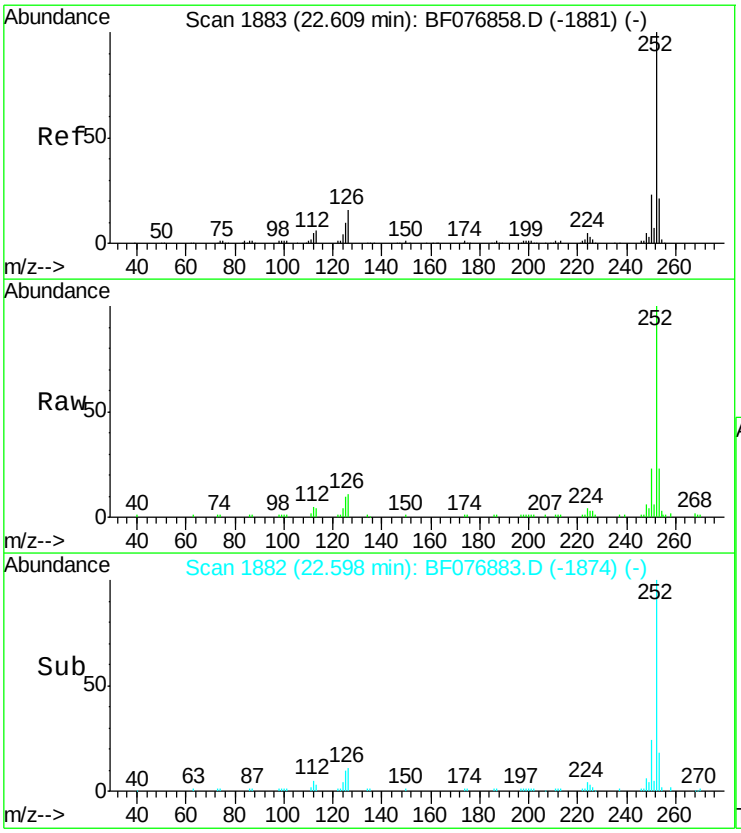
#87
Benzo(b)fluoranthene
Concen: 23.65 ng m
RT: 22.57 min Scan# 1880
Delta R.T. 0.00 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:252 Resp: 166442

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	9.3	9.4	14.0#

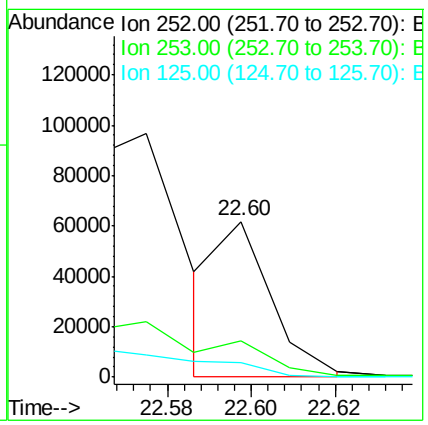


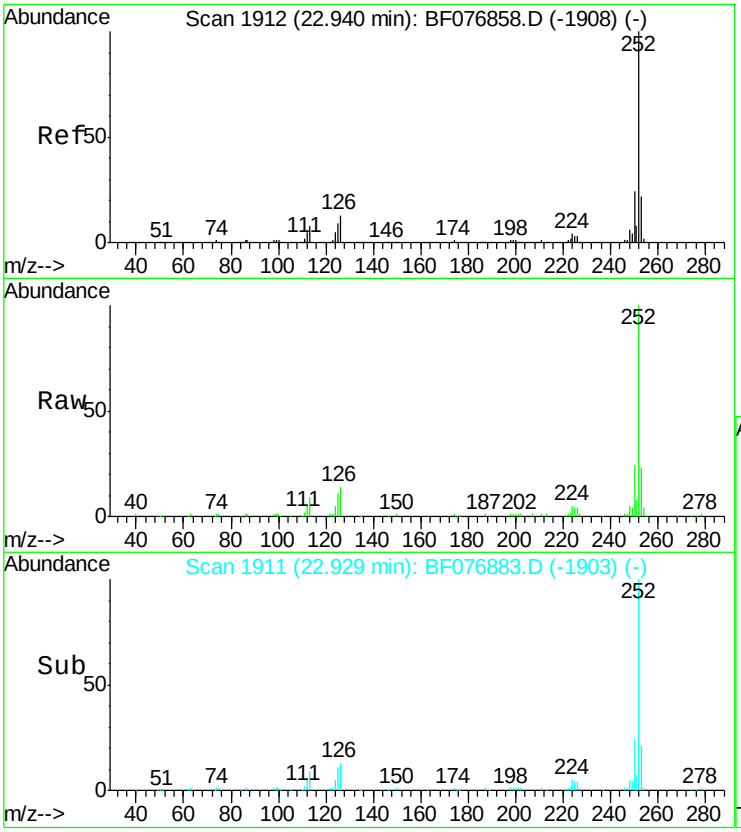


#88
Benzo(k)fluoranthene
Concen: 8.65 ng m
RT: 22.60 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:252 Resp: 53203

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	9.6	7.1	10.7



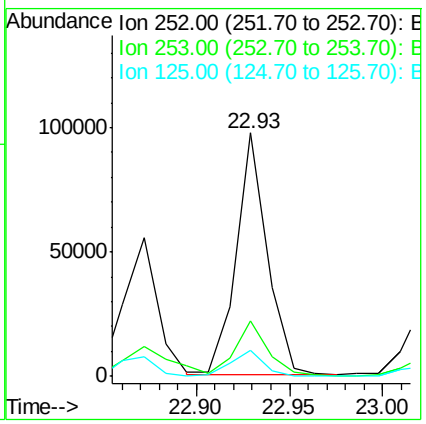


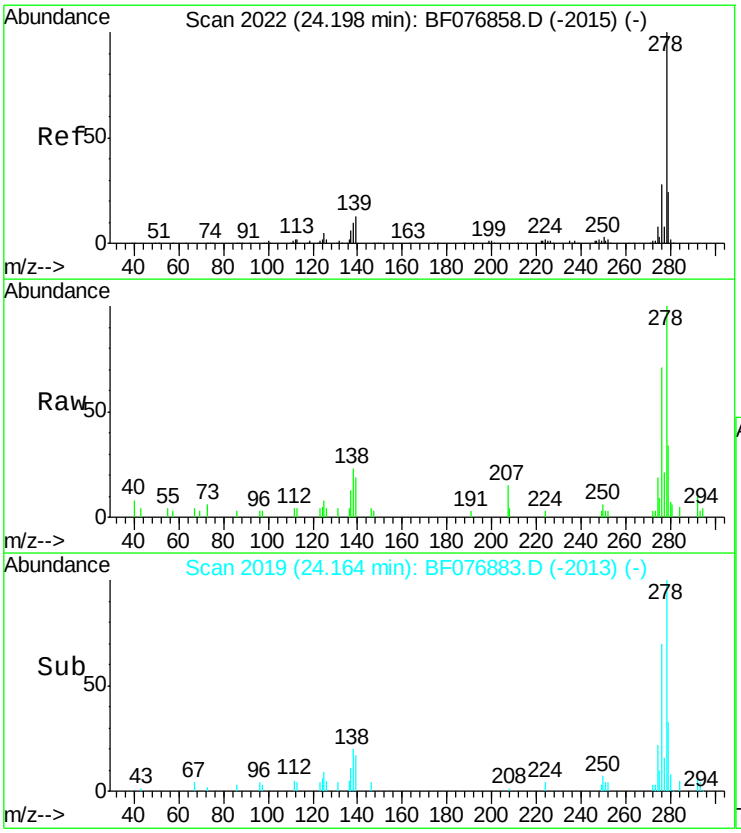
#89
Benzo(a)pyrene
Concen: 17.96 ng
RT: 22.93 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:252 Resp: 111525

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	10.6	7.2	10.8

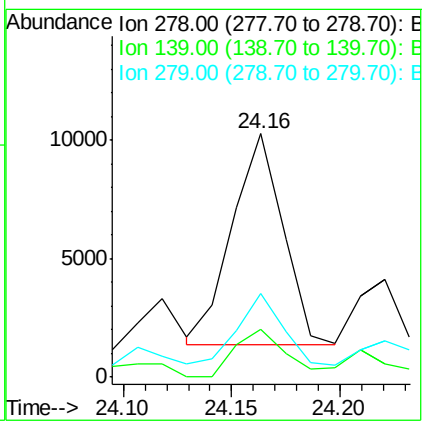


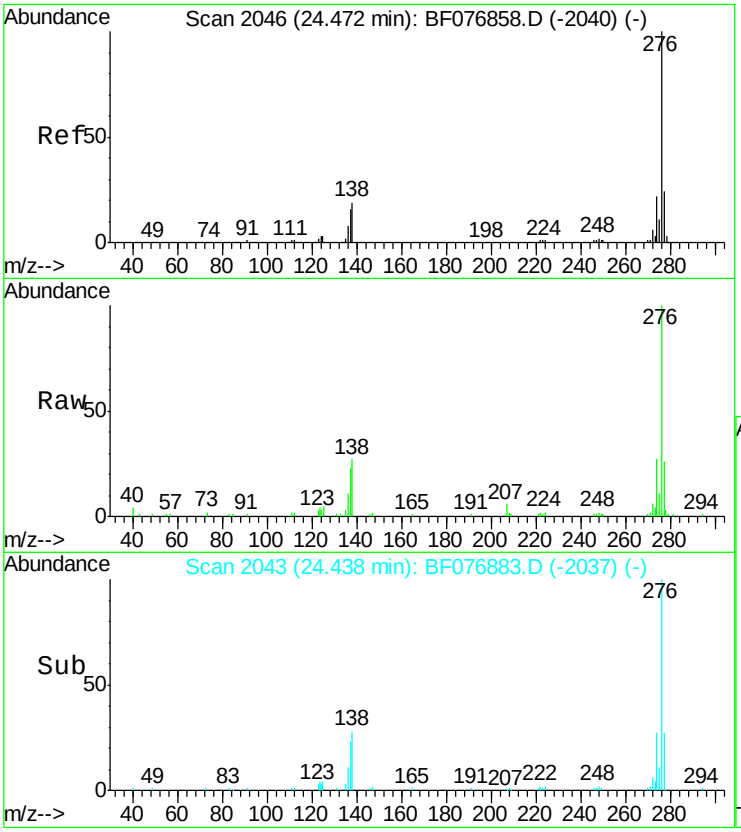


#90
Dibenzo(a,h)anthracene
Concen: 2.55 ng m
RT: 24.16 min Scan# 2019
Delta R.T. -0.03 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Tgt Ion:278 Resp: 14509

Ion	Ratio	Lower	Upper
278	100		
139	19.4	10.5	15.7#
279	34.5	19.3	28.9#





#91
Benzo(g,h,i)perylene
Concen: 10.82 ng
RT: 24.44 min Scan# 2043
Delta R.T. -0.03 min
Lab File: BF076883.D
Acq: 15 Jan 2015 14:30

Instrument :
BNA_F
ClientSampleId :
TP1-SS-2(4-6)DL

Tgt Ion:276 Resp: 61294

Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.5	29.3
138	27.5	15.0	22.6#