Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079730.D
Acq On : 5 Jun 2015 6:39
Operator : TP/IZ
Sample : G2450-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SEC-3.2-SP

Quant Time: Jun 06 04:20:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 06 03:31:13 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	67347	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	271844	20.00	ng	0.00
38) Acenaphthene-d10	10.58	164	152894	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	302534	20.00	ng	0.02
75) Chrysene-d12	15.20	240	336329m	20.00	ng	0.22
86) Perylene-d12	17.23	264	336130m	20.00	ng	0.32
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	437121	111.29	ng	0.00
7) Phenol-d6	7.11	99	631044	123.42	ng	0.01
23) Nitrobenzene-d5	8.07	82	320872	71.87	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	163516	119.09	ng	0.01
44) 2-Fluorobiphenyl	9.87	172	750079	71.03	ng	0.00
78) Terphenyl-d14	13.85	244	978704	68.56	ng	0.11
Target Compounds						Qvalue
31) Naphthalene	8.82	128	34066	2.27	ng	98
37) 2-Methylnaphthalene	9.52	142	40404	4.00	ng	97
48) Acenaphthylene	10.44	152	95215	5.57	ng	99
49) Dimethylphthalate	10.26	163	65704	5.58	ng	99
70) Phenanthrene	12.12	178	116130	6.60	ng	98
71) Anthracene	12.18	178	102540	5.89	ng	98
74) Fluoranthene	13.44	202	397801	20.84	ng	97
77) Pyrene	13.70	202	402040	19.24	ng	100
80) Benzo(a)anthracene	15.19	228	288442m	14.03	ng	
82) Chrysene	15.23	228	279183m	14.51	ng	
85) Indeno(1,2,3-cd)pyrene	19.26	276	197632m	9.10	ng	
87) Benzo(b)fluoranthene	16.64	252	453961m	20.94	ng	
88) Benzo(k)fluoranthene	16.67	252	142779m	6.90	ng	
89) Benzo(a)pyrene	17.14	252	251368m	12.69	ng	
90) Dibenzo(a,h)anthracene	19.28	278	65569m	3.58	ng	
91) Benzo(g,h,i)perylene	19.87	276	199842m	10.68	ng	

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060415\
Data File : BF079730.D
Acq On : 5 Jun 2015 6:39
Operator : TP/IZ
Sample : G2450-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Quant Time: Jun 06 04:20:08 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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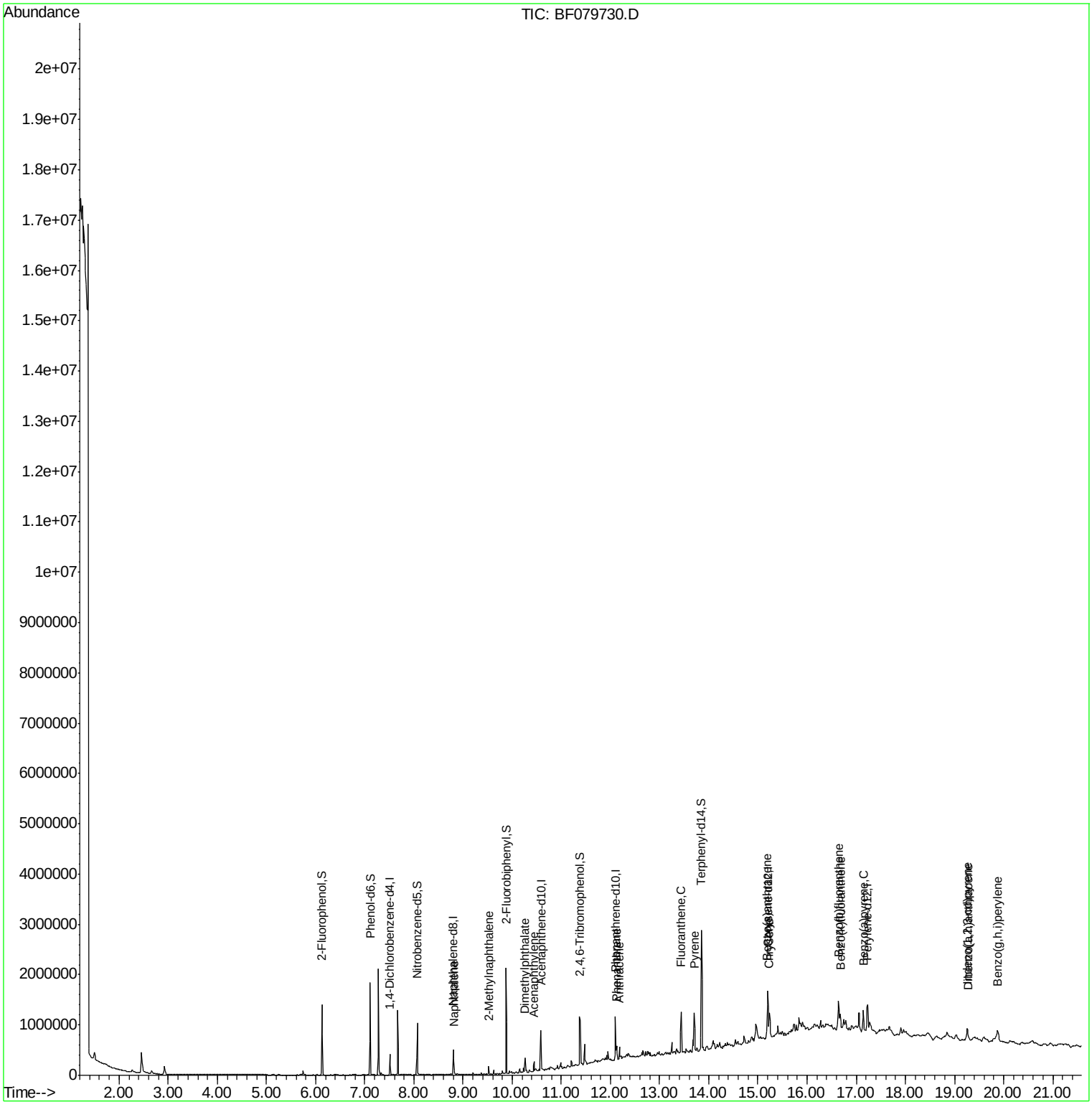
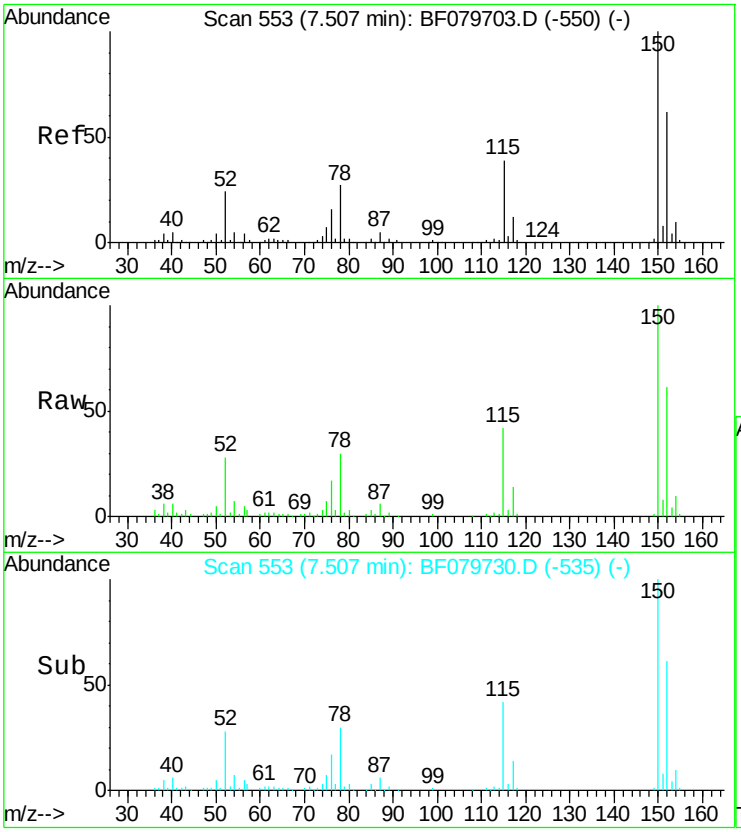


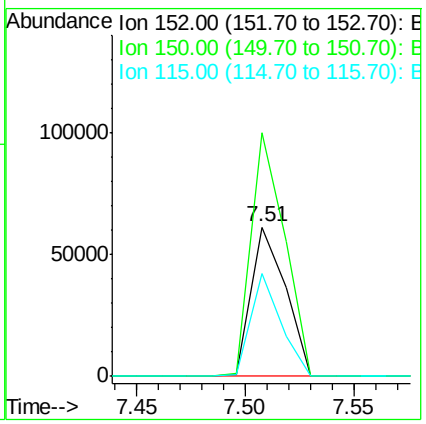


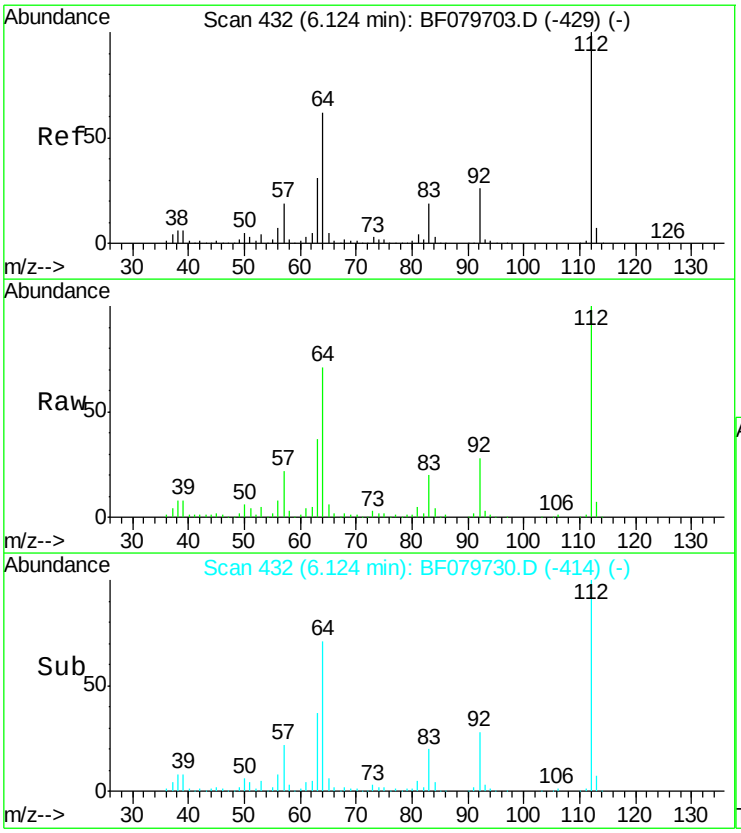
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.51 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:152 Resp: 67347

Ion	Ratio	Lower	Upper
152	100		
150	163.2	128.1	192.1
115	69.0	49.7	74.5

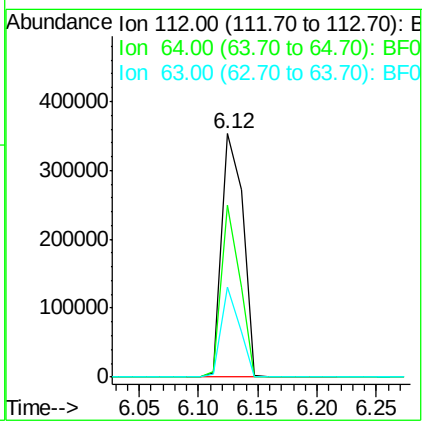


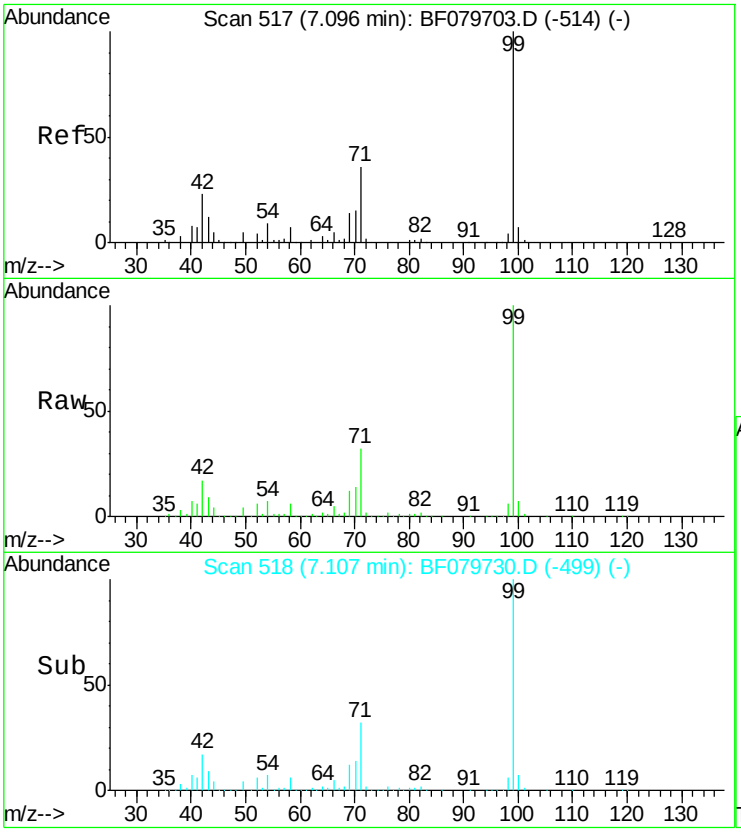


#5
2-Fluorophenol
Concen: 111.29 ng
RT: 6.12 min Scan# 432
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:112 Resp: 437121

Ion	Ratio	Lower	Upper
112	100		
64	70.9	49.6	74.4
63	36.9	24.9	37.3



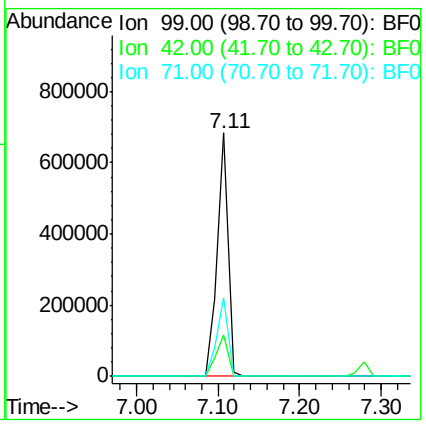


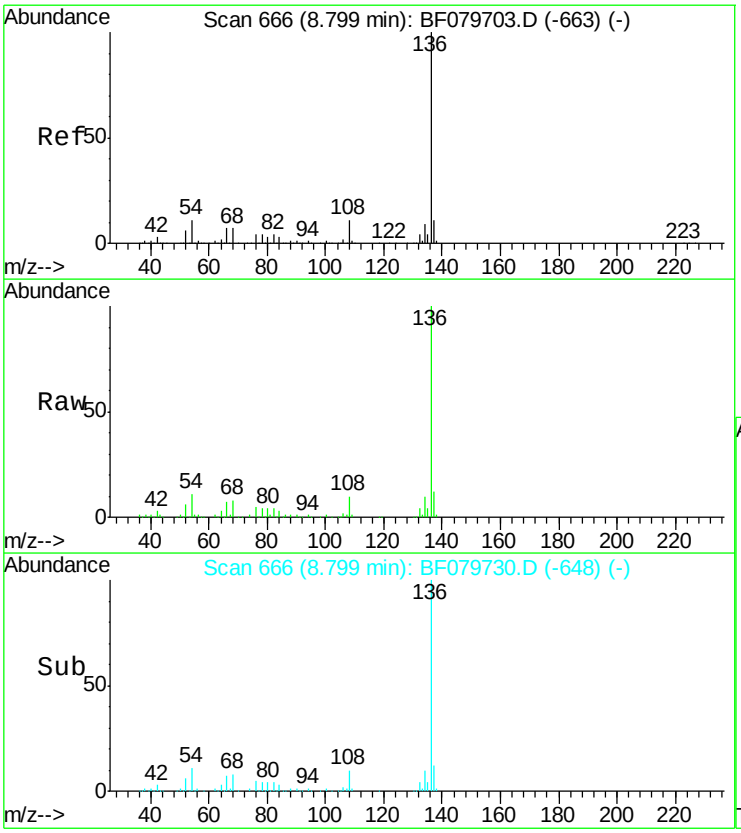
#7
Phenol-d6
Concen: 123.42 ng
RT: 7.11 min Scan# 518
Delta R.T. 0.01 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion: 99 Resp: 631044

Ion	Ratio	Lower	Upper
99	100		
42	16.8	18.0	27.0#
71	32.0	28.4	42.6

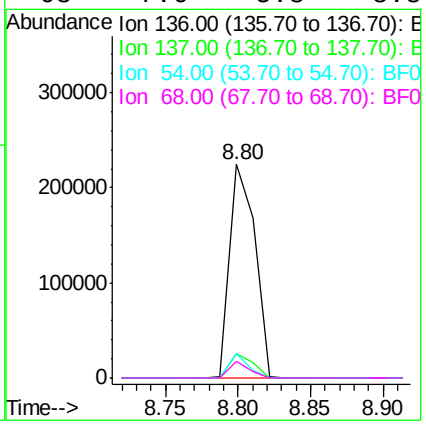


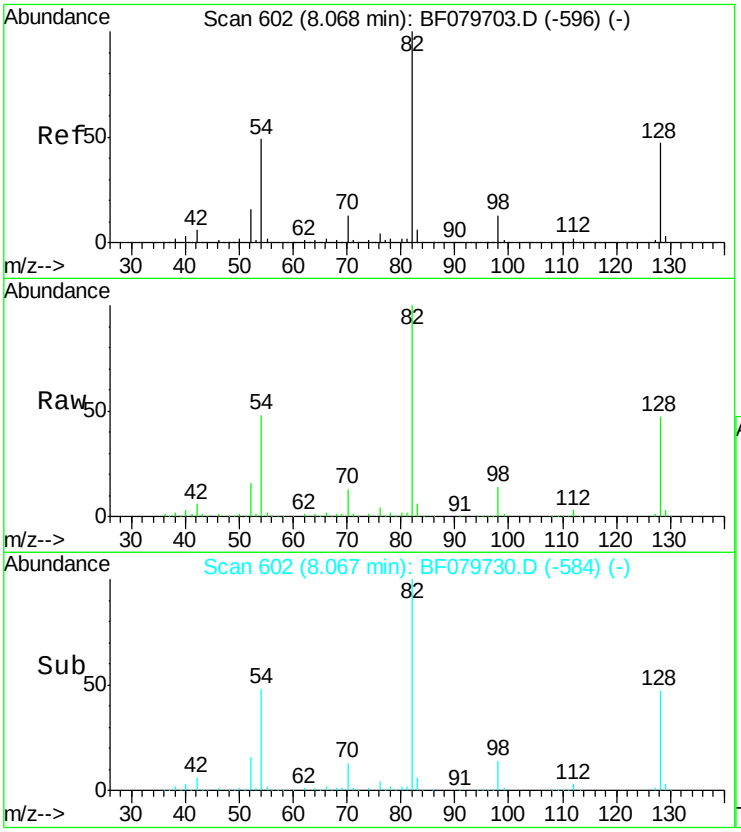


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.80 min Scan# 666
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:136 Resp: 271844

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	11.4	8.7	13.1
68	7.6	5.8	8.8



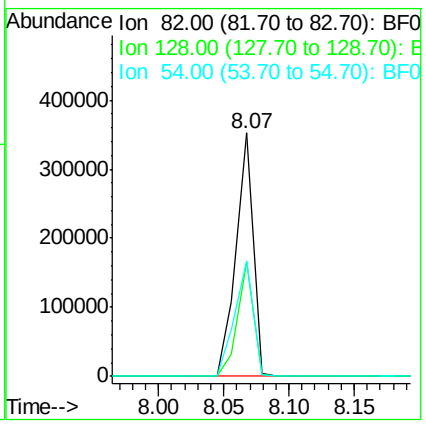


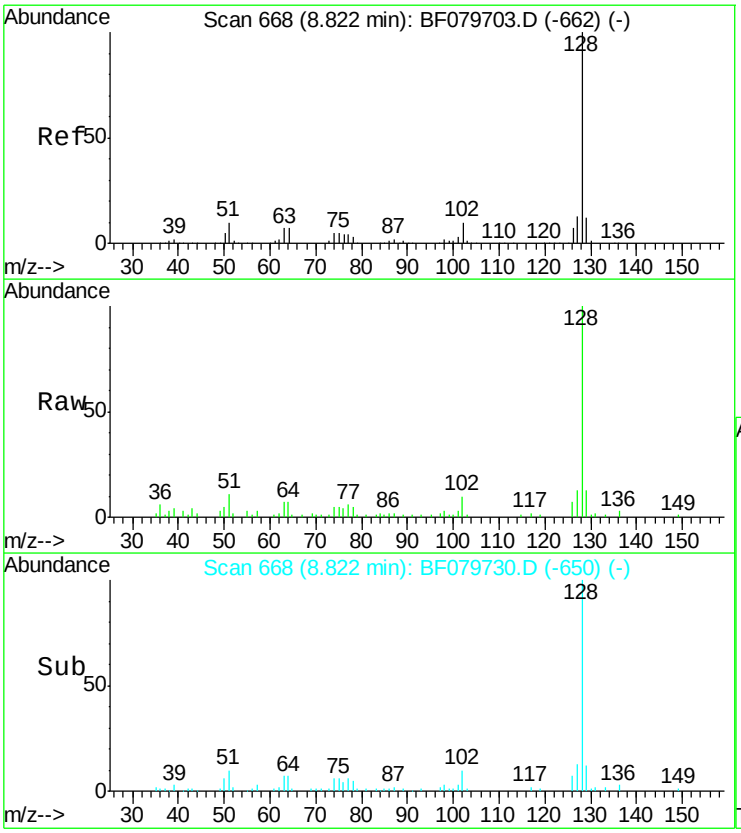
#23
Nitrobenzene-d5
Concen: 71.87 ng
RT: 8.07 min Scan# 602
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion: 82 Resp: 320872

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.6	56.4
54	47.5	39.4	59.2

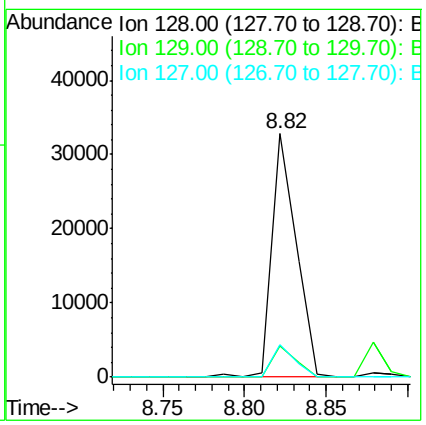


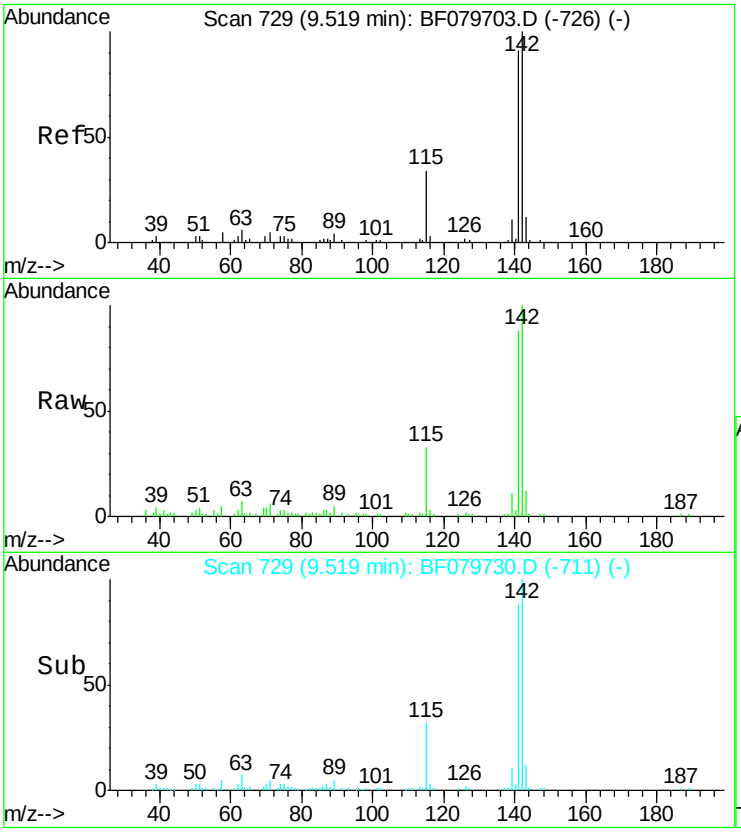


#31
Naphthalene
Concen: 2.27 ng
RT: 8.82 min Scan# 668
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:128 Resp: 34066

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.4	14.2
127	13.2	10.7	16.1



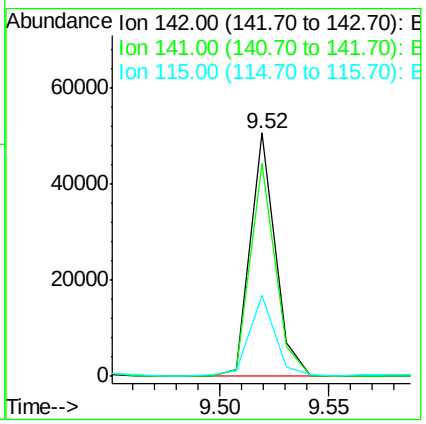


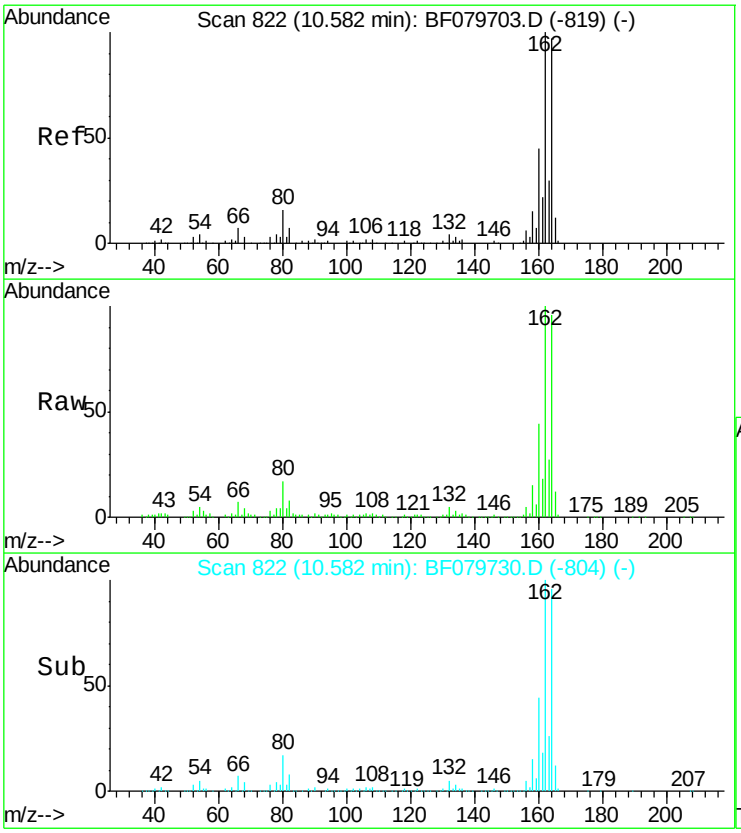
#37
2-Methylnaphthalene
Concen: 4.00 ng
RT: 9.52 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:142 Resp: 40404

Ion	Ratio	Lower	Upper
142	100		
141	87.6	72.8	109.2
115	33.3	26.9	40.3

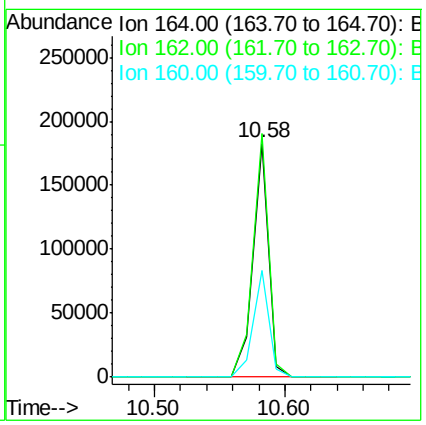


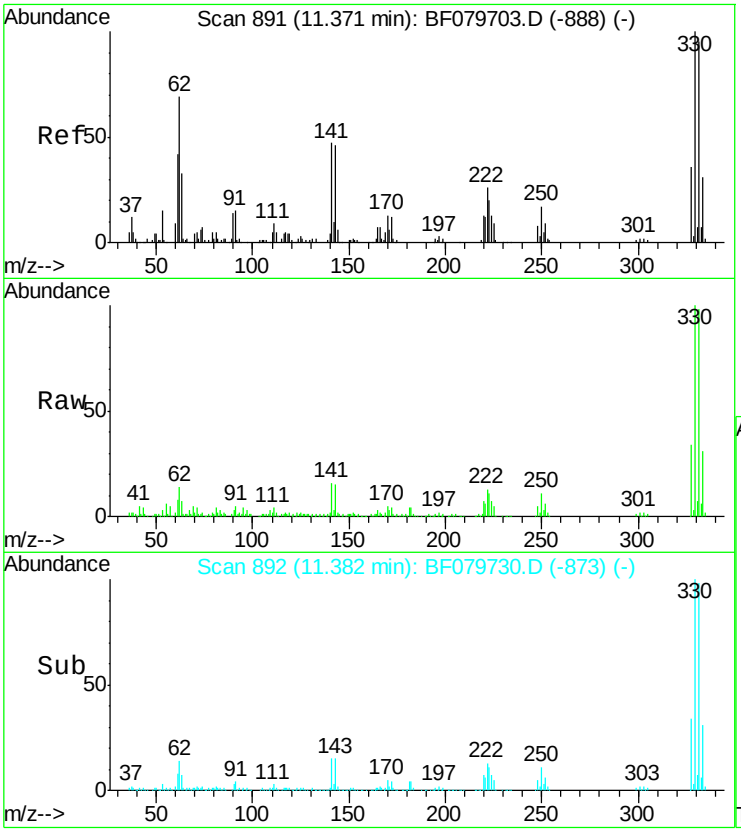


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.58 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:164 Resp: 152894

Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.6	123.8
160	45.6	36.8	55.2



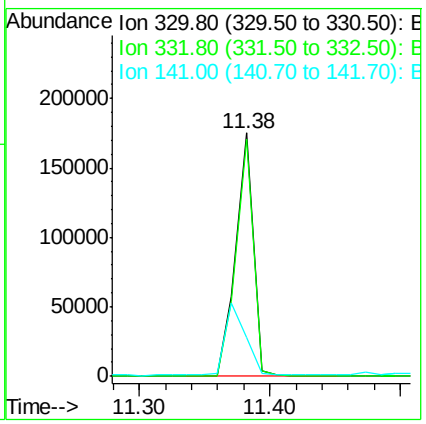


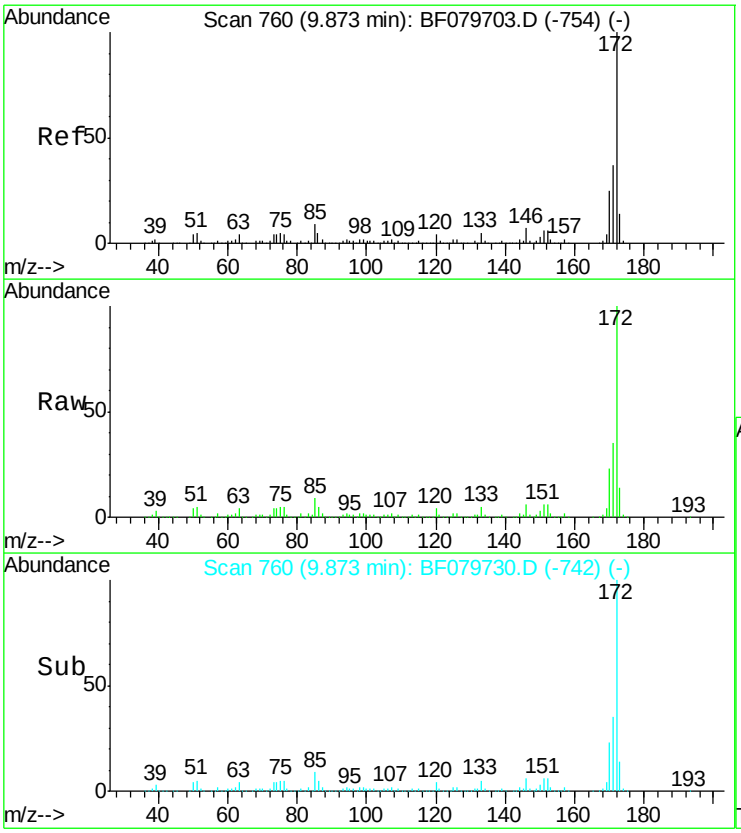
#41
2,4,6-Tribromophenol
Concen: 119.09 ng
RT: 11.38 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:330 Resp: 163516

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	36.3	30.2	45.2

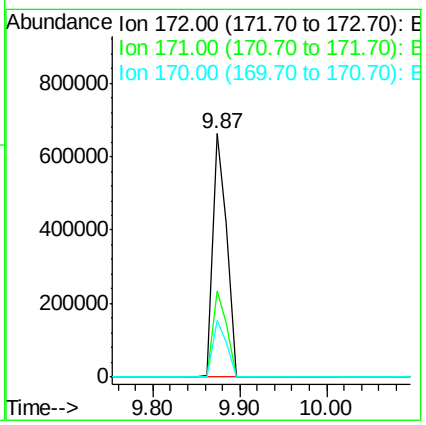


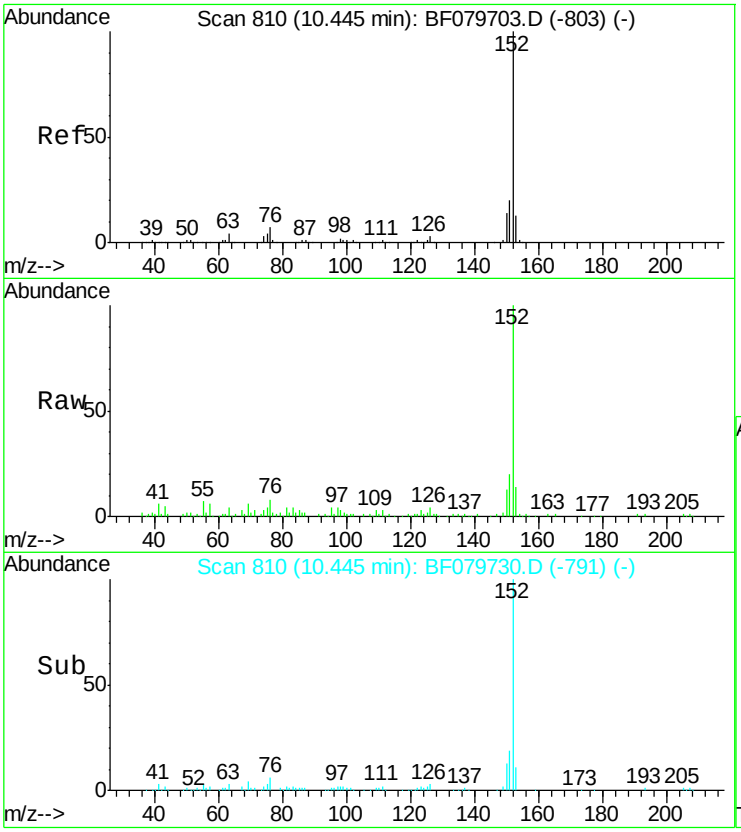


#44
2-Fluorobiphenyl
Concen: 71.03 ng
RT: 9.87 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:172 Resp: 750079

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.4	44.0
170	23.4	19.7	29.5



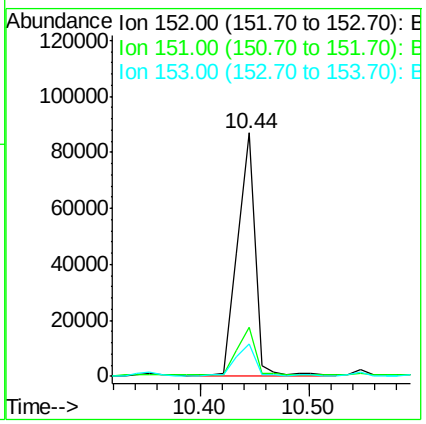


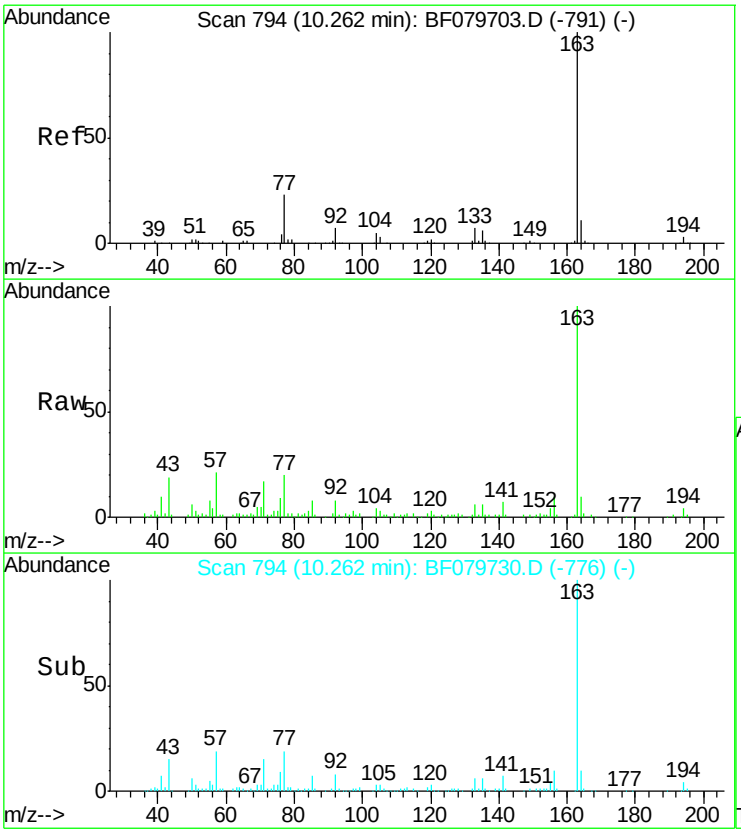
#48
Acenaphthylene
Concen: 5.57 ng
RT: 10.44 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:152 Resp: 95215

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	13.5	10.4	15.6

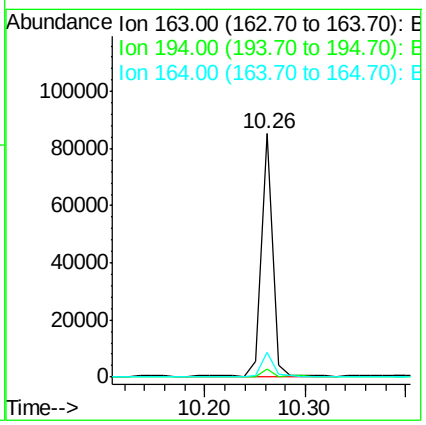


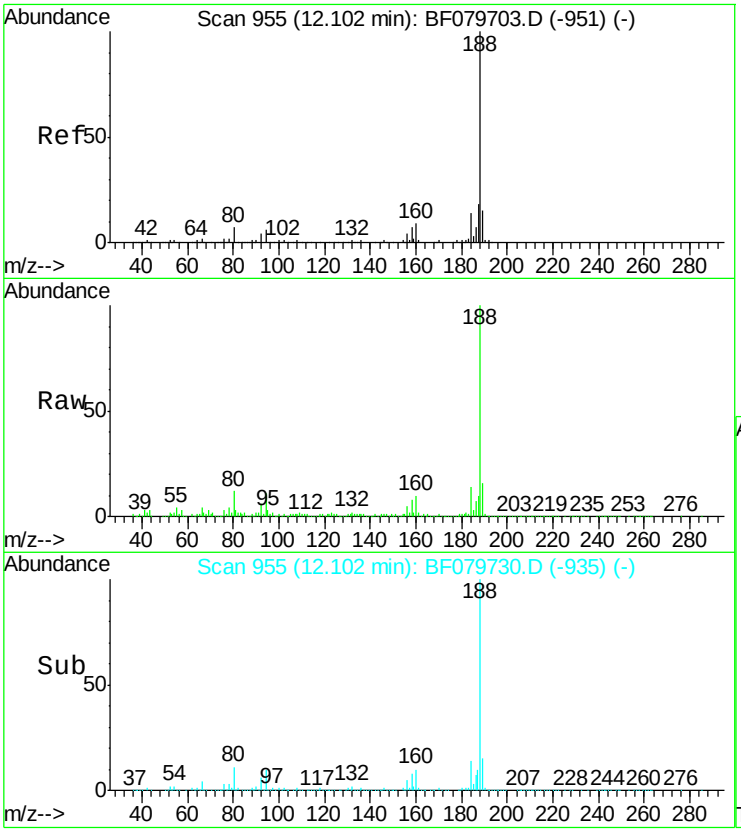


#49
Dimethylphthalate
Concen: 5.58 ng
RT: 10.26 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:163 Resp: 65704

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	3.8
164	10.1	8.5	12.7



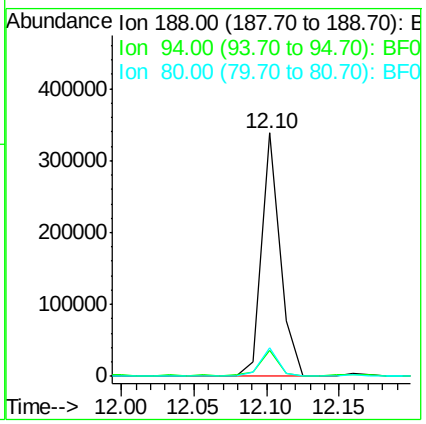


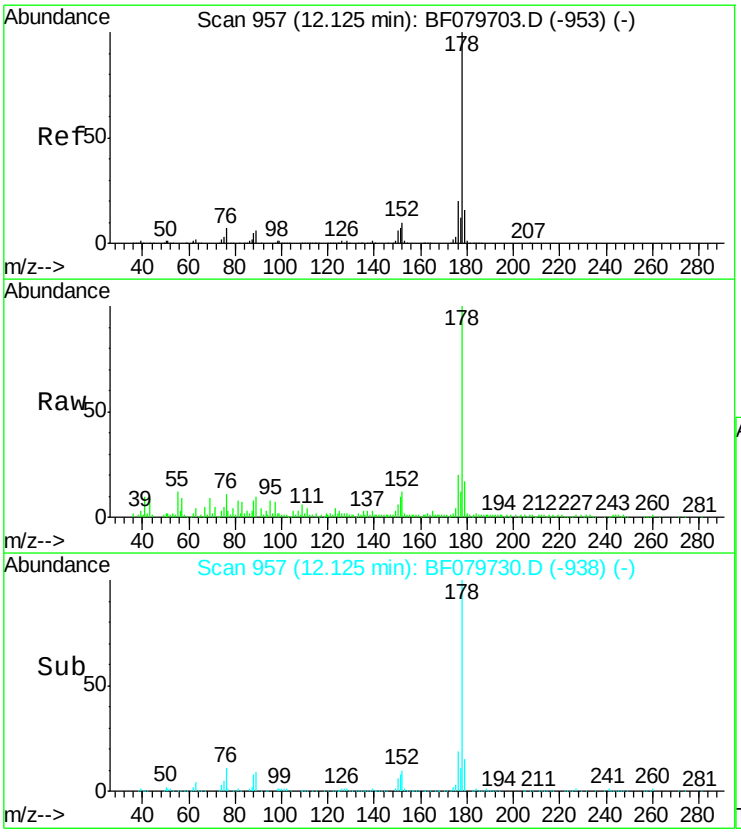
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.10 min Scan# 955
Delta R.T. 0.02 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:188 Resp: 302534

Ion	Ratio	Lower	Upper
188	100		
94	10.5	5.0	7.4#
80	11.7	5.3	7.9#

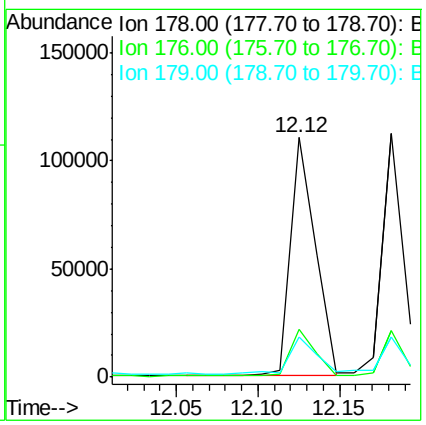


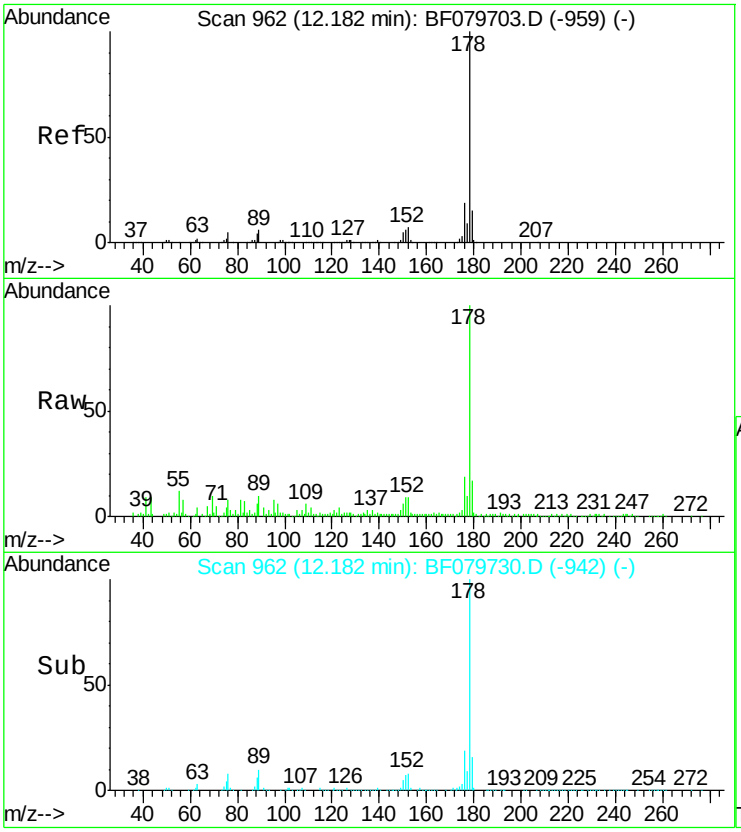


#70
Phenanthrene
Concen: 6.60 ng
RT: 12.12 min Scan# 957
Delta R.T. 0.01 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:178 Resp: 116130

Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	16.9	12.6	19.0



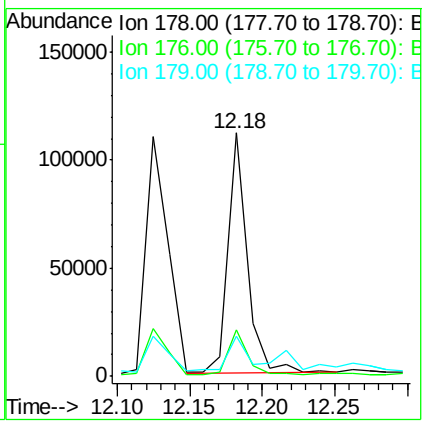


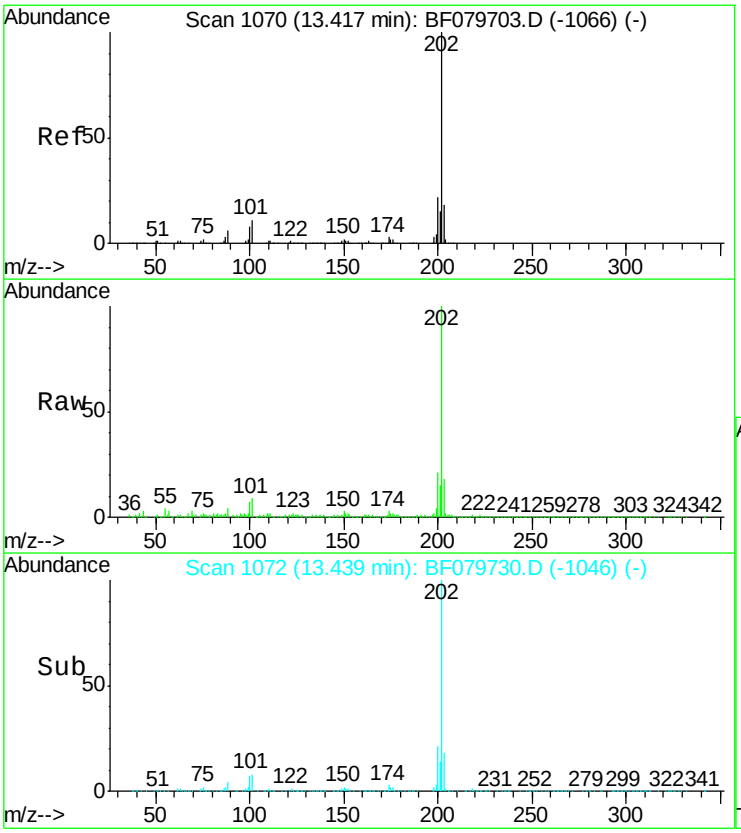
#71
Anthracene
Concen: 5.89 ng
RT: 12.18 min Scan# 962
Delta R.T. 0.02 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:178 Resp: 102540

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	16.6	12.2	18.2

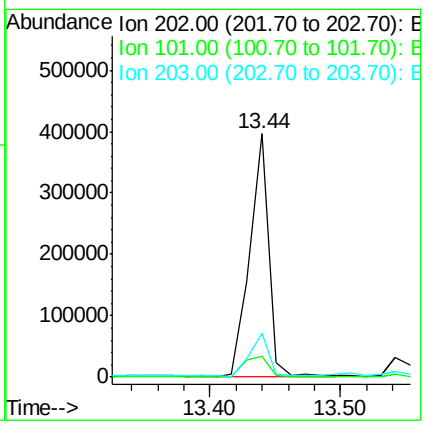


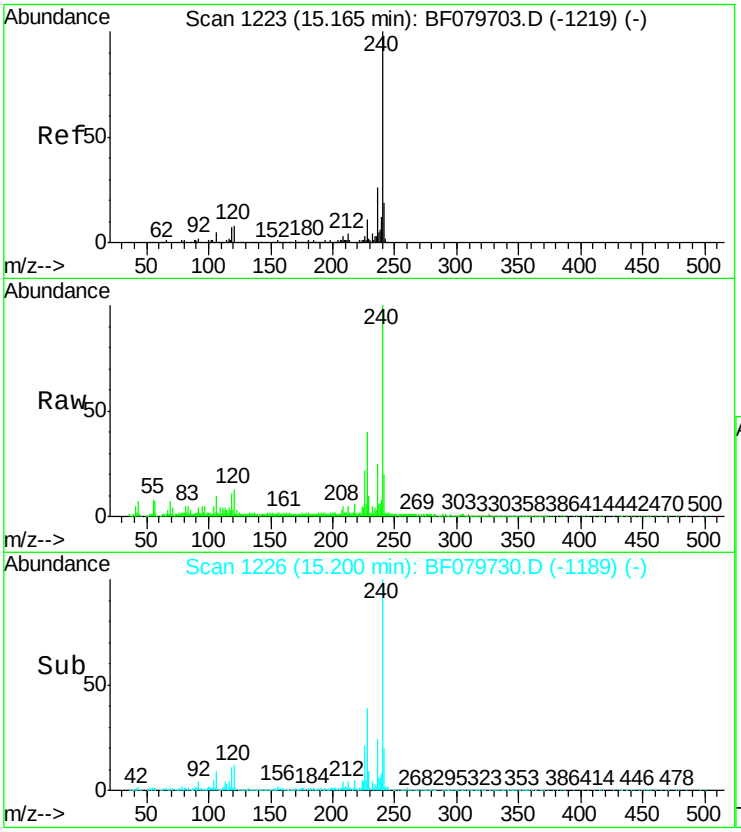


#74
Fluoranthene
Concen: 20.84 ng
RT: 13.44 min Scan# 1072
Delta R.T. 0.09 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:202 Resp: 397801

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	31.3
203	18.0	0.0	38.4



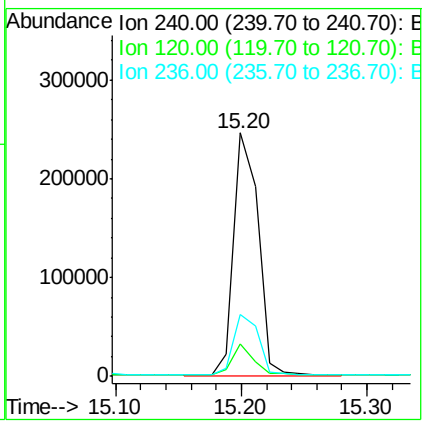


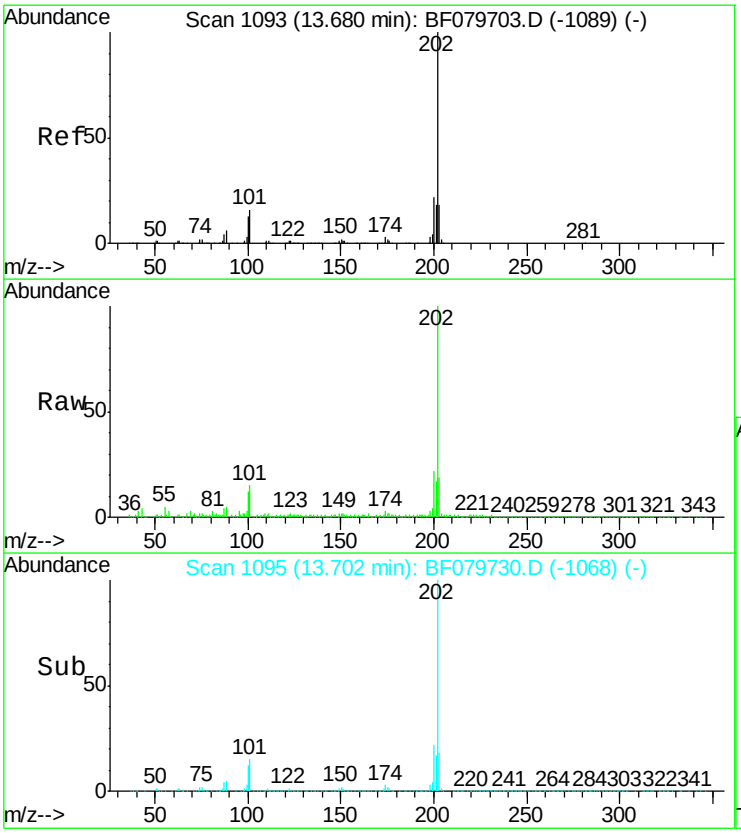
#75
Chrysene-d12
Concen: 20.00 ng m
RT: 15.20 min Scan# 1226
Delta R.T. 0.22 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:240 Resp: 336329

Ion	Ratio	Lower	Upper
240	100		
120	13.1	6.2	9.2#
236	25.3	21.0	31.4

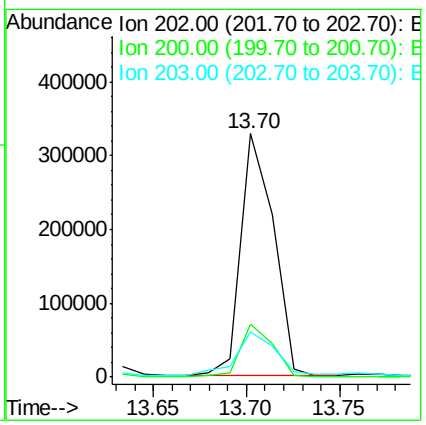


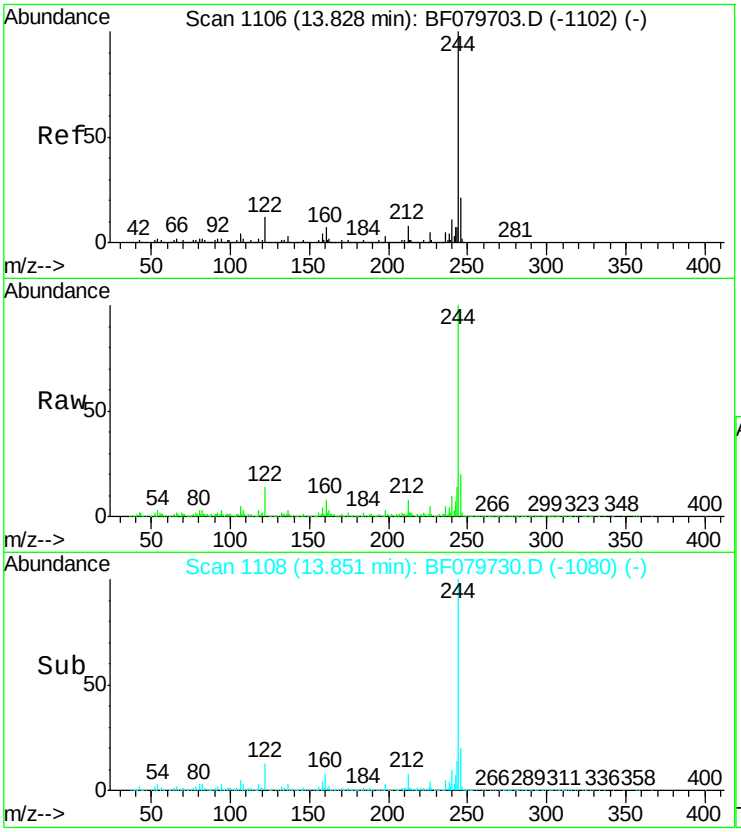


#77
Pyrene
Concen: 19.24 ng
RT: 13.70 min Scan# 1095
Delta R.T. 0.10 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:202 Resp: 402040

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3
203	18.5	14.8	22.2



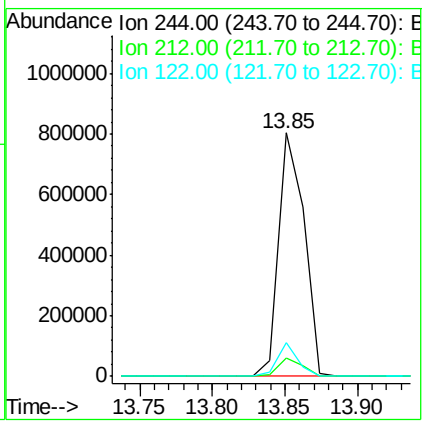


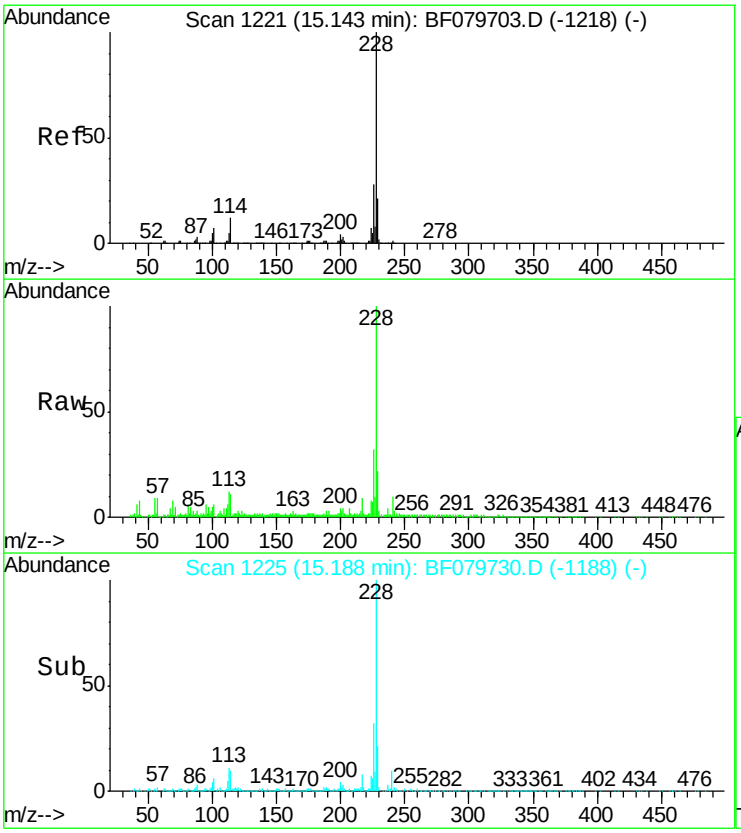
#78
Terphenyl-d14
Concen: 68.56 ng
RT: 13.85 min Scan# 1108
Delta R.T. 0.11 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:244 Resp: 978704

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	13.6	9.3	13.9

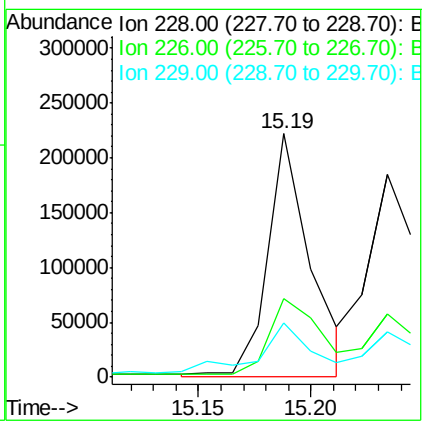


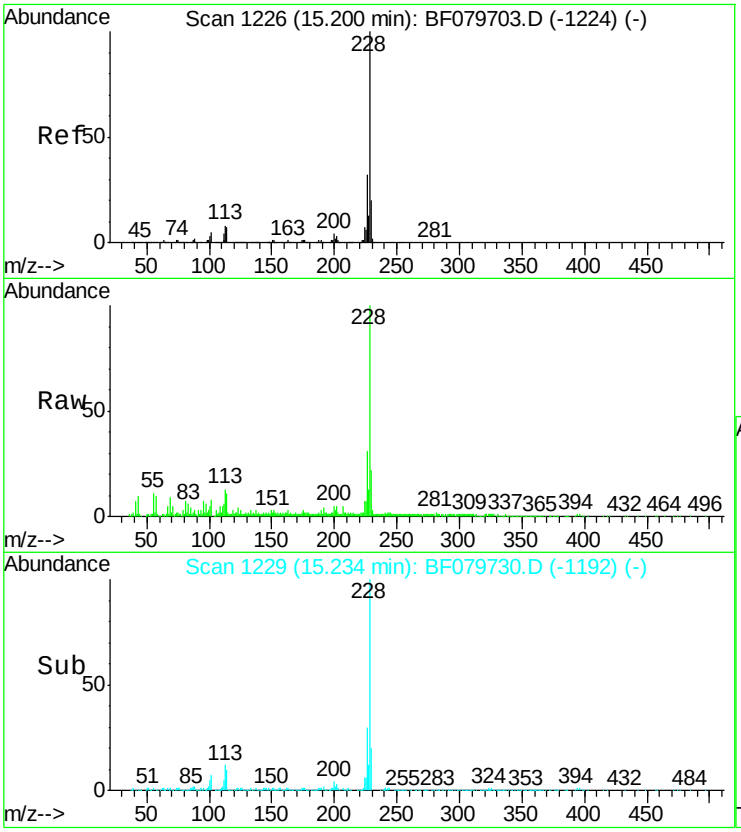


#80
Benzo(a)anthracene
Concen: 14.03 ng m
RT: 15.19 min Scan# 1225
Delta R.T. 0.22 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:228 Resp: 288442

Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.2	33.4
229	22.1	16.6	25.0



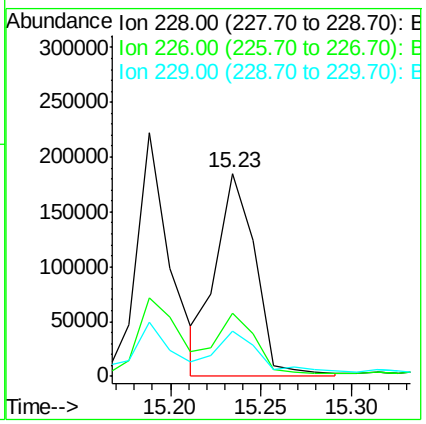


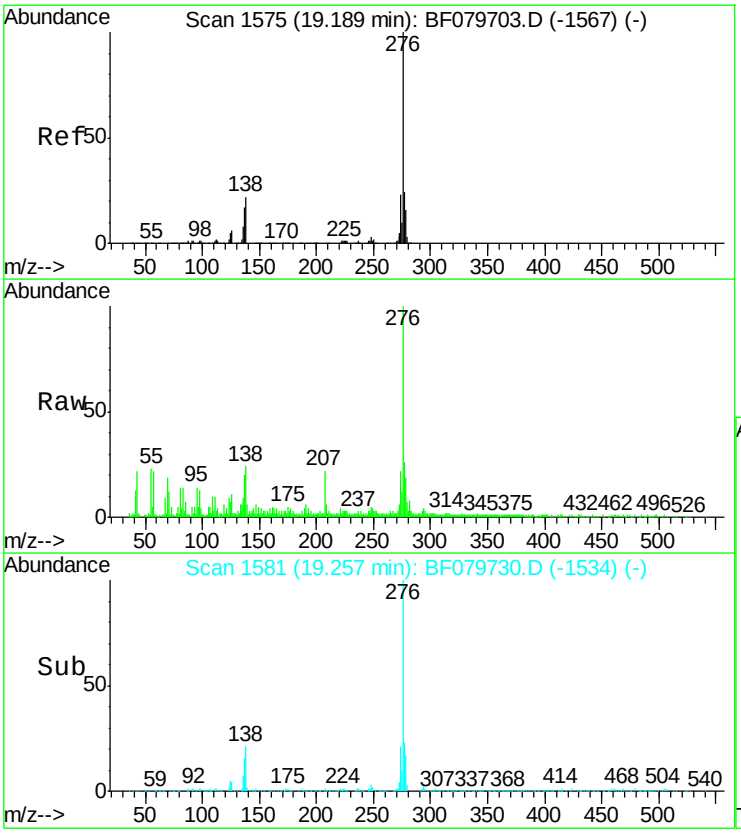
#82
Chrysene
Concen: 14.51 ng m
RT: 15.23 min Scan# 1229
Delta R.T. 0.22 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:228 Resp: 279183

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.2	37.8
229	22.2	16.2	24.4

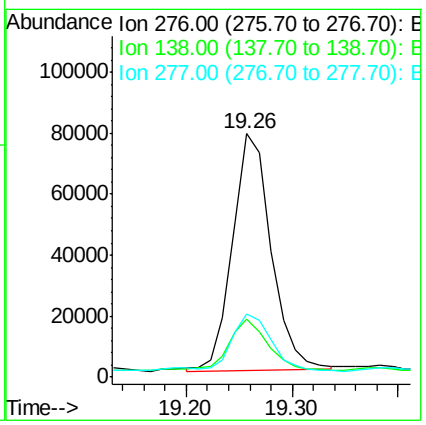


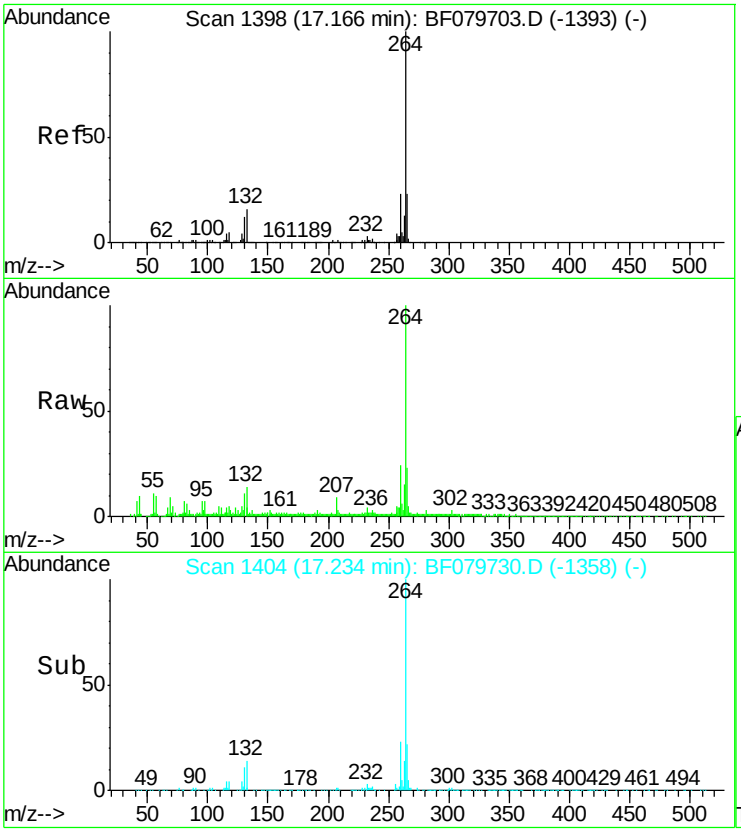


#85
Indeno(1,2,3-cd)pyrene
Concen: 9.10 ng m
RT: 19.26 min Scan# 1581
Delta R.T. 0.33 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:276 Resp: 197632

Ion	Ratio	Lower	Upper
276	100		
138	5.6	20.8	31.2#
277	4.1	20.0	30.0#



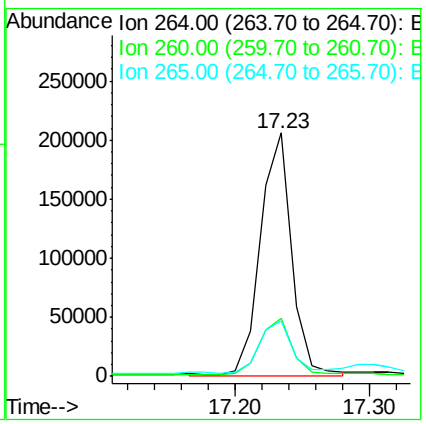


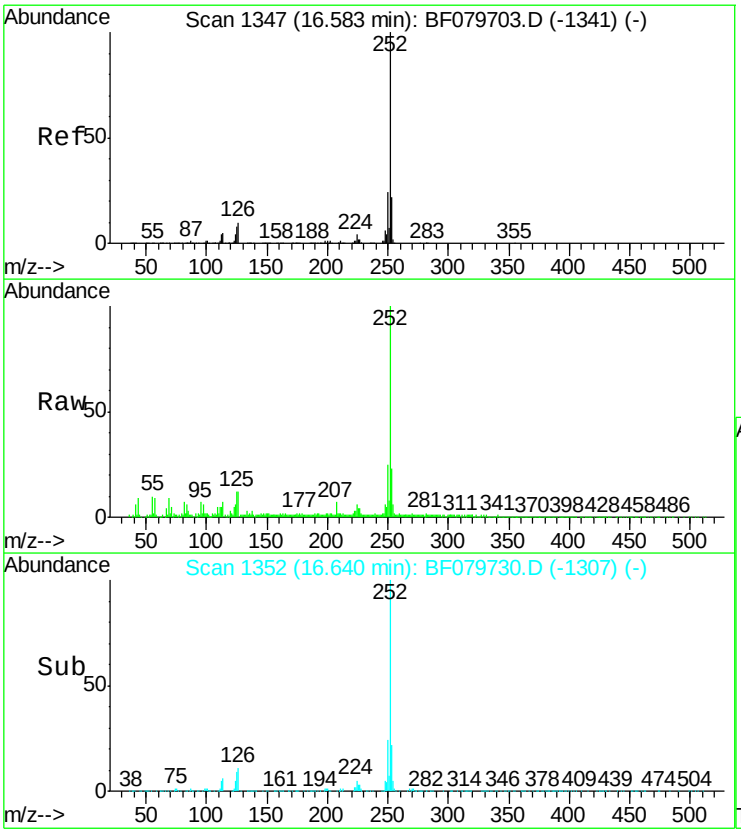
#86
Perylene-d12
Concen: 20.00 ng m
RT: 17.23 min Scan# 1404
Delta R.T. 0.32 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:264 Resp: 336130

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	22.7	18.2	27.4

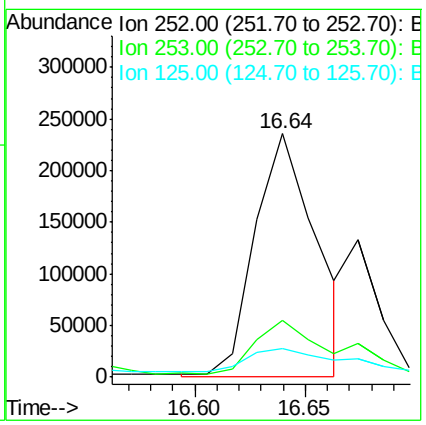


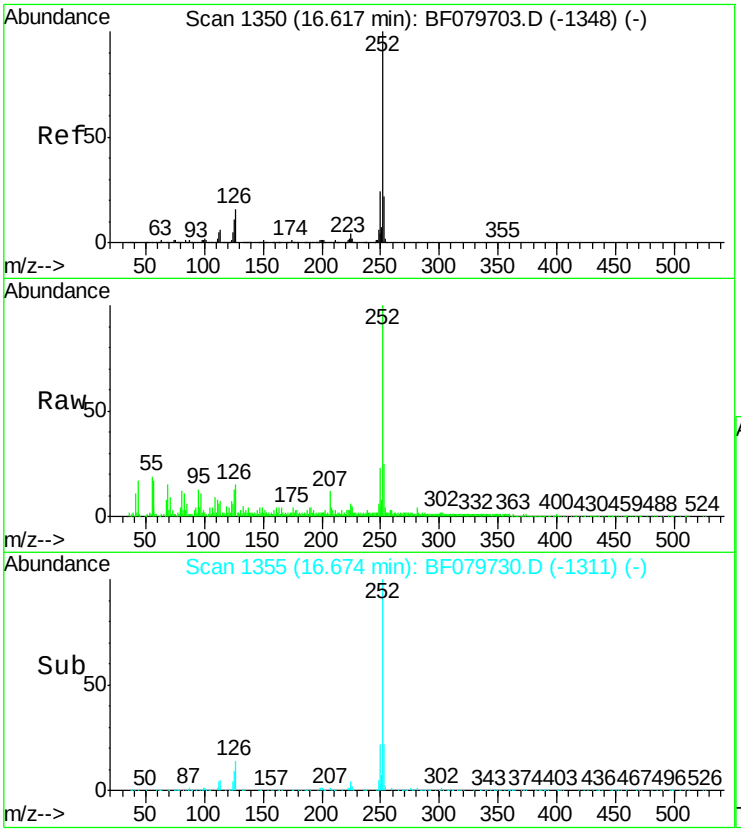


#87
Benzo(b)fluoranthene
Concen: 20.94 ng m
RT: 16.64 min Scan# 1352
Delta R.T. 0.31 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:252 Resp: 453961

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.9	6.5	9.7#



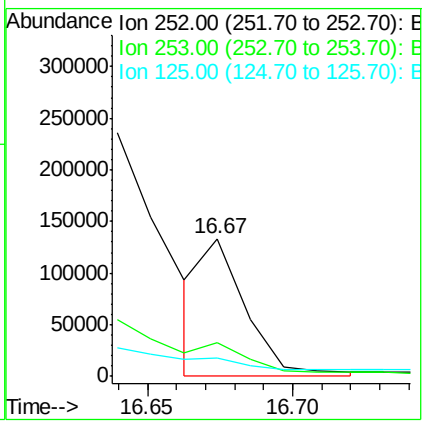


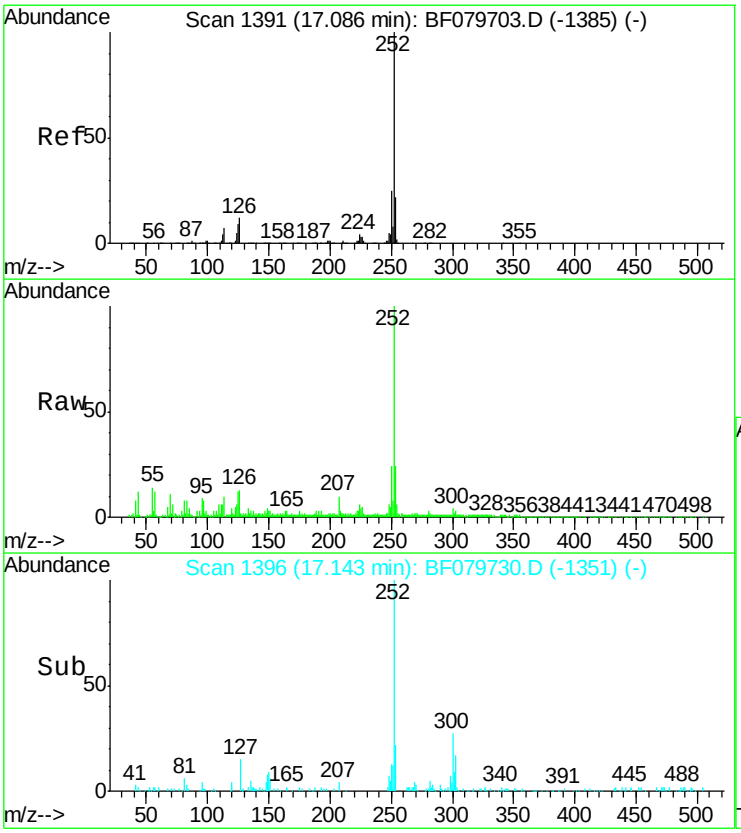
#88
Benzo(k)fluoranthene
Concen: 6.90 ng m
RT: 16.67 min Scan# 1355
Delta R.T. 0.30 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:252 Resp: 142779

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	13.3	8.4	12.6#

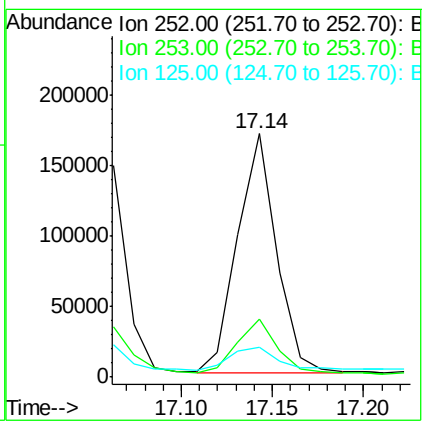


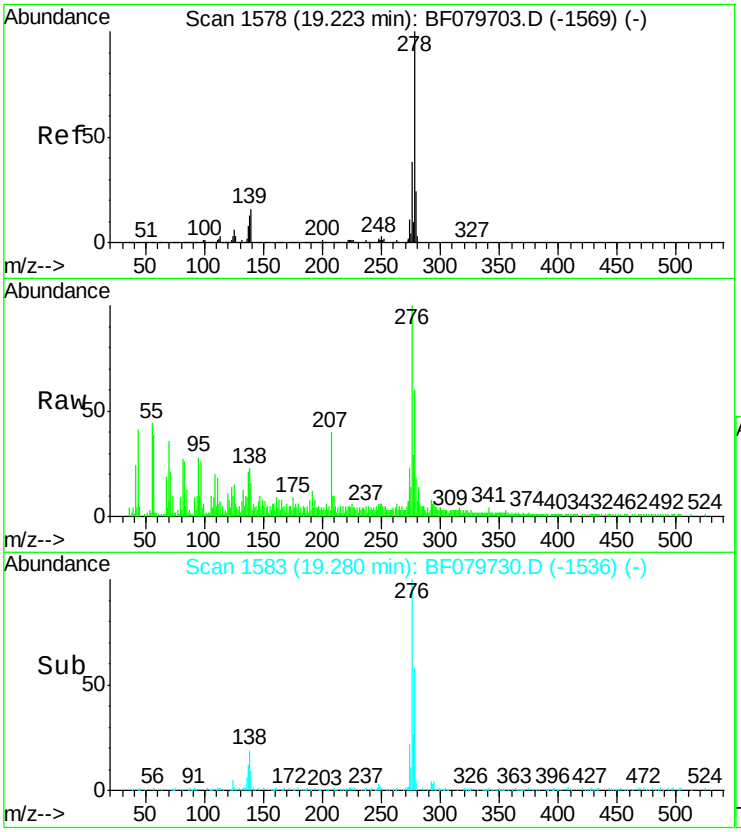


#89
Benzo(a)pyrene
Concen: 12.69 ng m
RT: 17.14 min Scan# 1396
Delta R.T. 0.31 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:252 Resp: 251368

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	12.3	7.4	11.0#



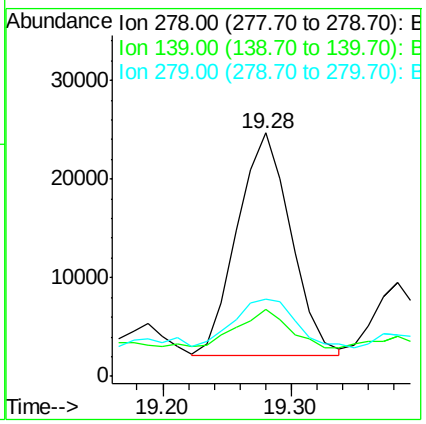


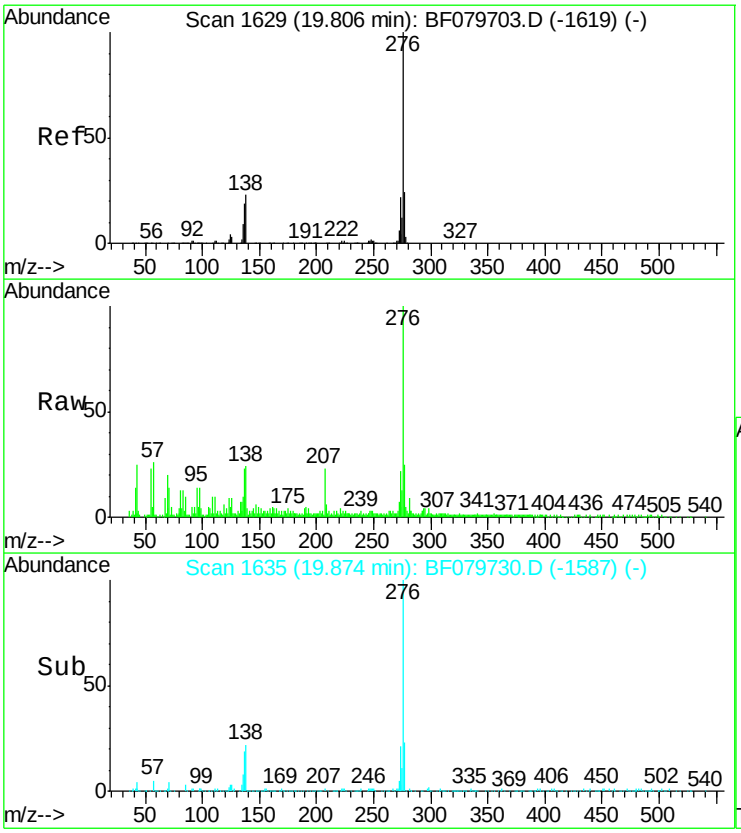
#90
Dibenzo(a,h)anthracene
Concen: 3.58 ng m
RT: 19.28 min Scan# 1583
Delta R.T. 0.33 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Instrument :
BNA_F
ClientSampleId :
SEC-3.2-SP

Tgt Ion:278 Resp: 65569

Ion	Ratio	Lower	Upper
278	100		
139	27.4	12.7	19.1#
279	31.8	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 10.68 ng m
RT: 19.87 min Scan# 1635
Delta R.T. 0.34 min
Lab File: BF079730.D
Acq: 5 Jun 2015 6:39

Tgt Ion:276 Resp: 199842

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	24.1	18.2	27.2