Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089041.D
Acq On : 16 Jul 2016 5:03
Operator : UM/SJ
Sample : H4048-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02-COMP

Quant Time: Jul 16 05:31:32 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	61412	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	244963	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	97468	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	145930	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	112579	20.00	ng	-0.05
86) Perylene-d12	15.17	264	80271	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	429649	104.85	ng	-0.01
7) Phenol-d6	6.33	99	496172	93.71	ng	-0.02
23) Nitrobenzene-d5	7.24	82	337295	72.16	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	68397	75.57	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	479123	77.65	ng	-0.03
78) Terphenyl-d14	12.77	244	299391	59.23	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	281331	40.51	ng	99
70) Phenanthrene	11.21	178	39316	4.93	ng	98
74) Fluoranthene	12.39	202	75518	9.34	ng	94
77) Pyrene	12.62	202	63495	6.65	ng	96
80) Benzo(a)anthracene	13.79	228	29572m	4.08	ng	
82) Chrysene	13.83	228	29451m	4.11	ng	
87) Benzo(b)fluoranthene	14.80	252	30175m	5.99	ng	
89) Benzo(a)pyrene	15.11	252	19963	4.68	ng	96
91) Benzo(g,h,i)perylene	16.81	276	9074	2.46	ng	97

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

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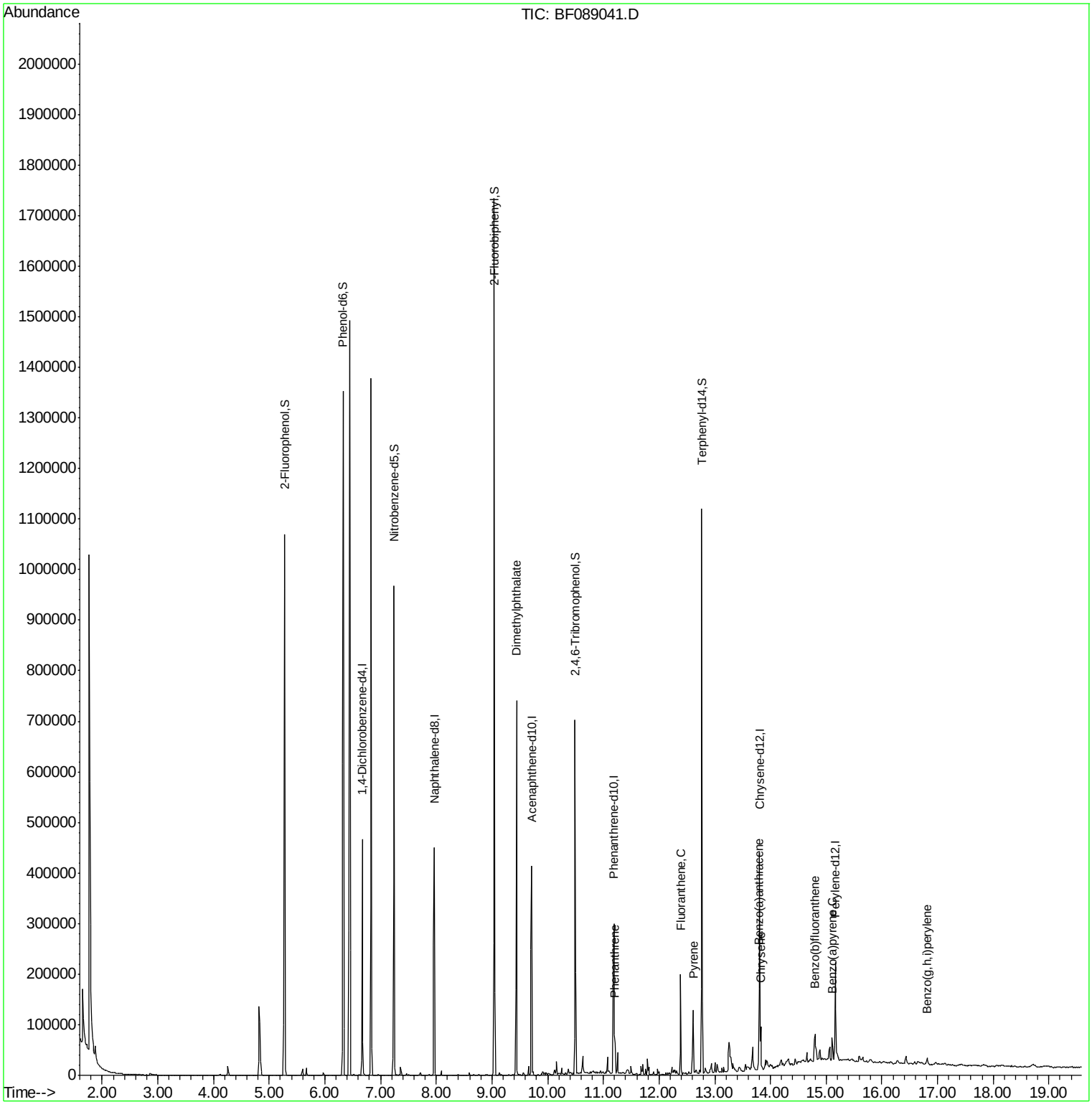
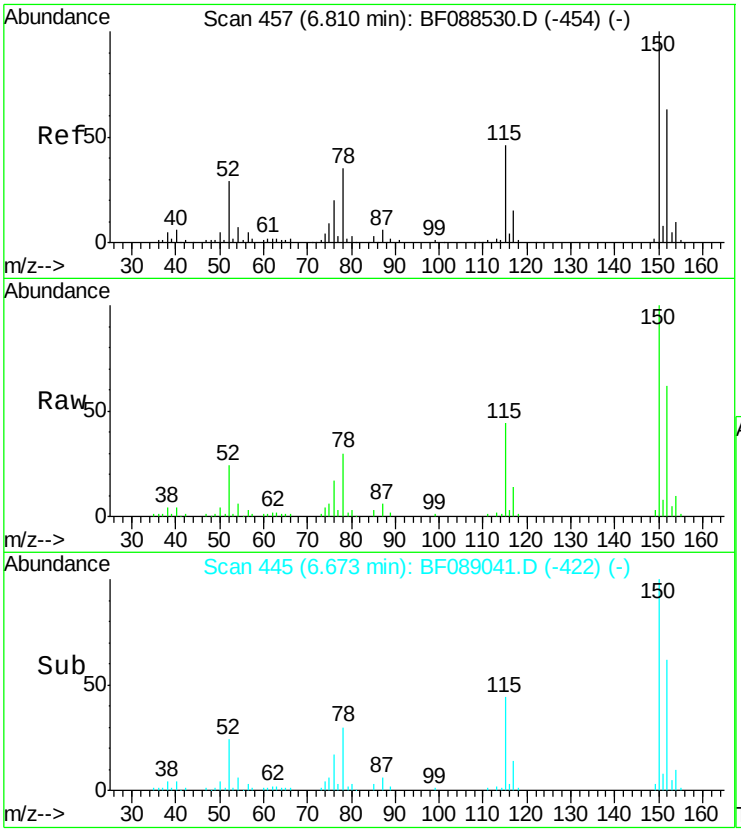


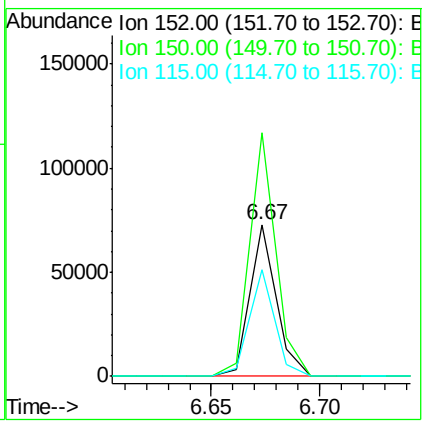


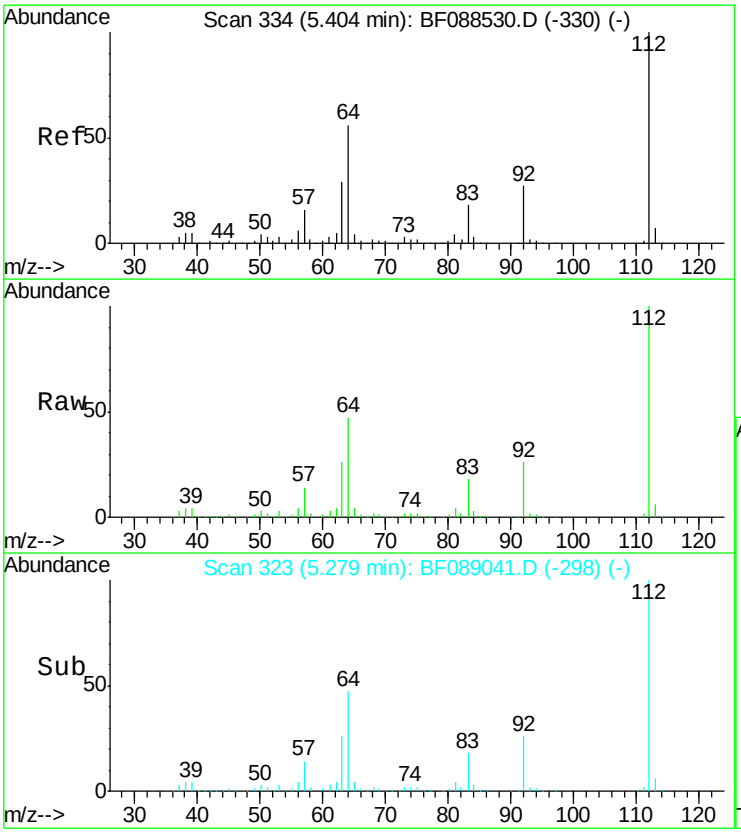
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:152 Resp: 61412

Ion	Ratio	Lower	Upper
152	100		
150	160.1	123.8	185.6
115	70.5	39.6	59.4#

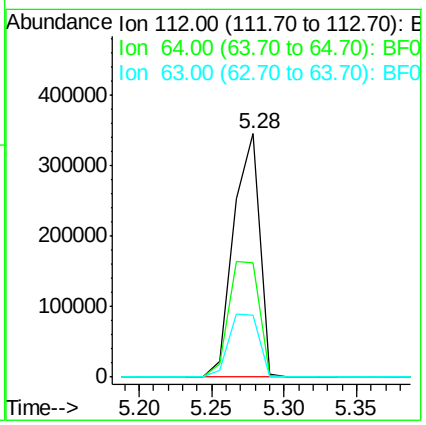


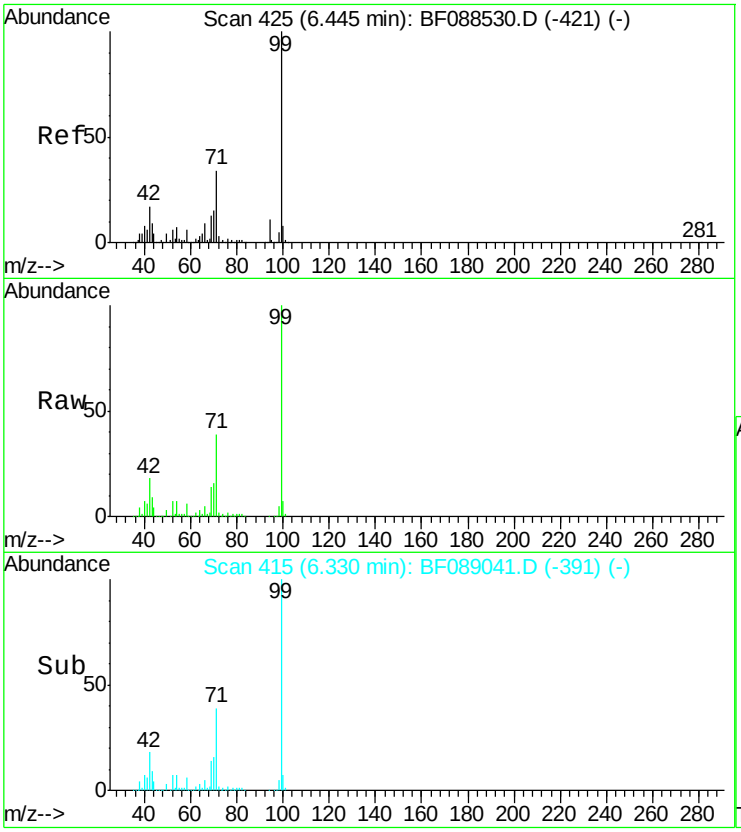


#5
2-Fluorophenol
Concen: 104.85 ng
RT: 5.28 min Scan# 323
Delta R.T. -0.01 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:112 Resp: 429649

Ion	Ratio	Lower	Upper
112	100		
64	47.1	42.2	63.2
63	25.5	21.8	32.8



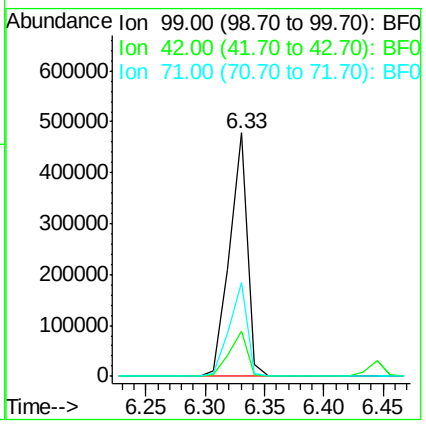


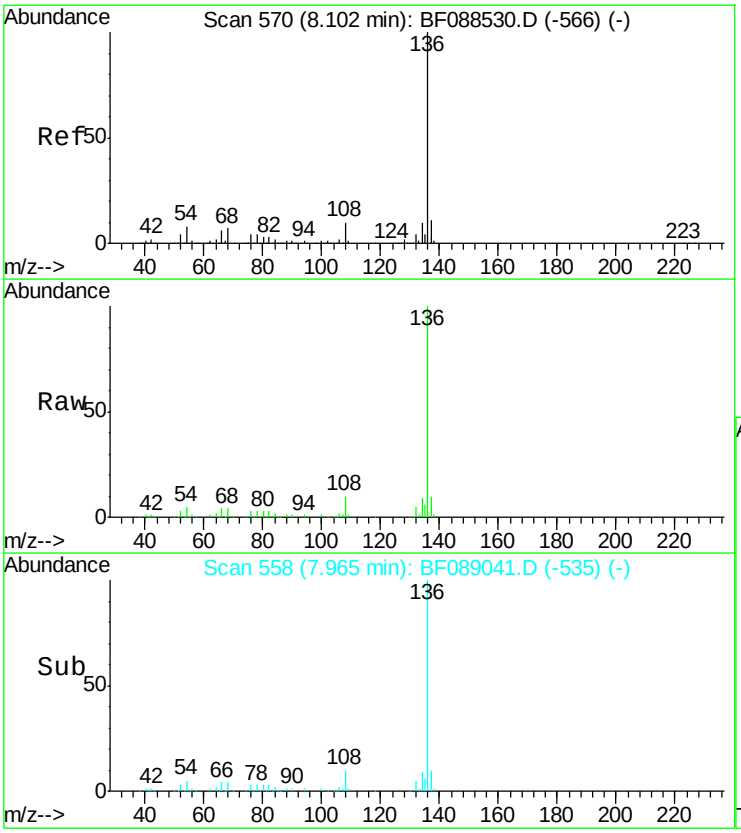
#7
Phenol-d6
Concen: 93.71 ng
RT: 6.33 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion: 99 Resp: 496172

Ion	Ratio	Lower	Upper
99	100		
42	18.3	12.2	18.2#
71	38.6	23.4	35.0#

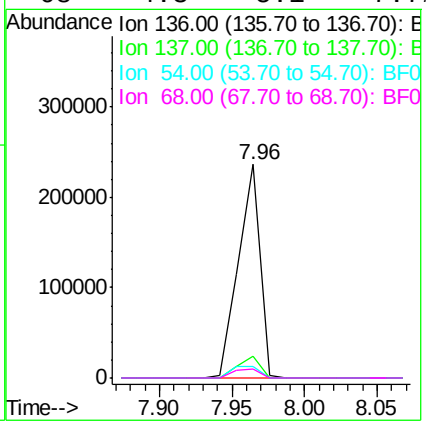


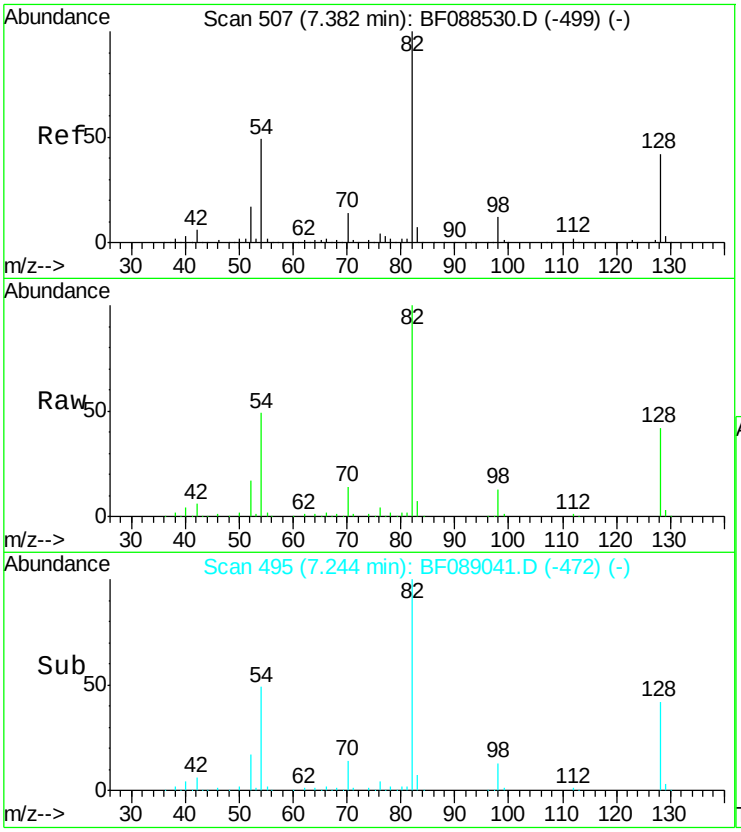


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:136 Resp: 244963

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	5.2	6.6	10.0#
68	4.3	5.1	7.7#



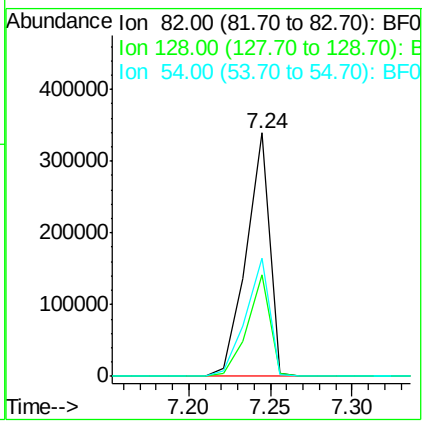


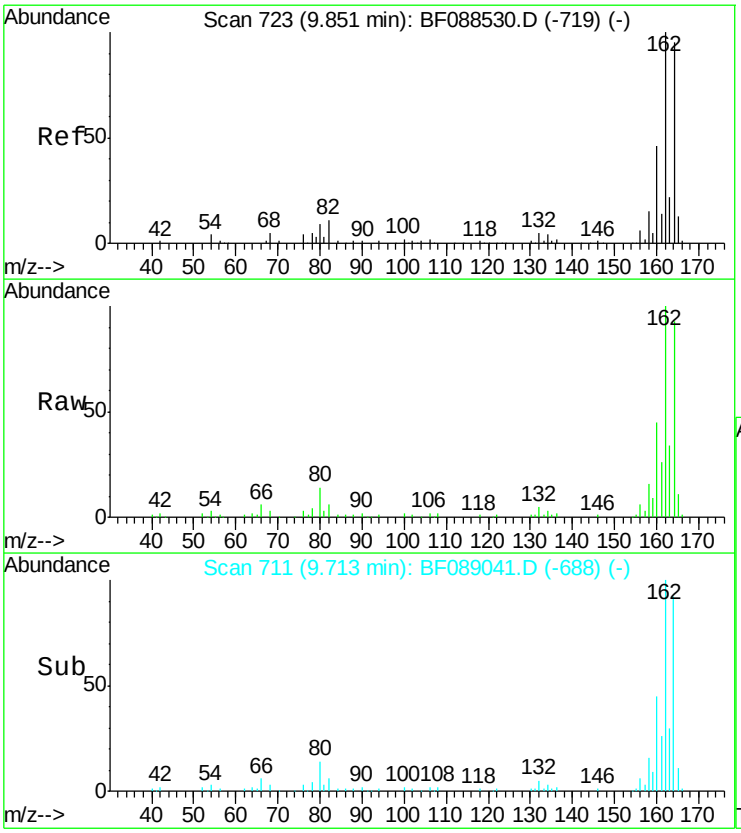
#23
Nitrobenzene-d5
Concen: 72.16 ng
RT: 7.24 min Scan# 495
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion: 82 Resp: 337295

Ion	Ratio	Lower	Upper
82	100		
128	41.7	35.9	53.9
54	48.6	40.9	61.3

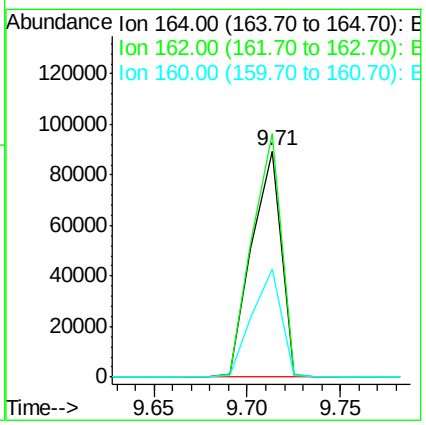


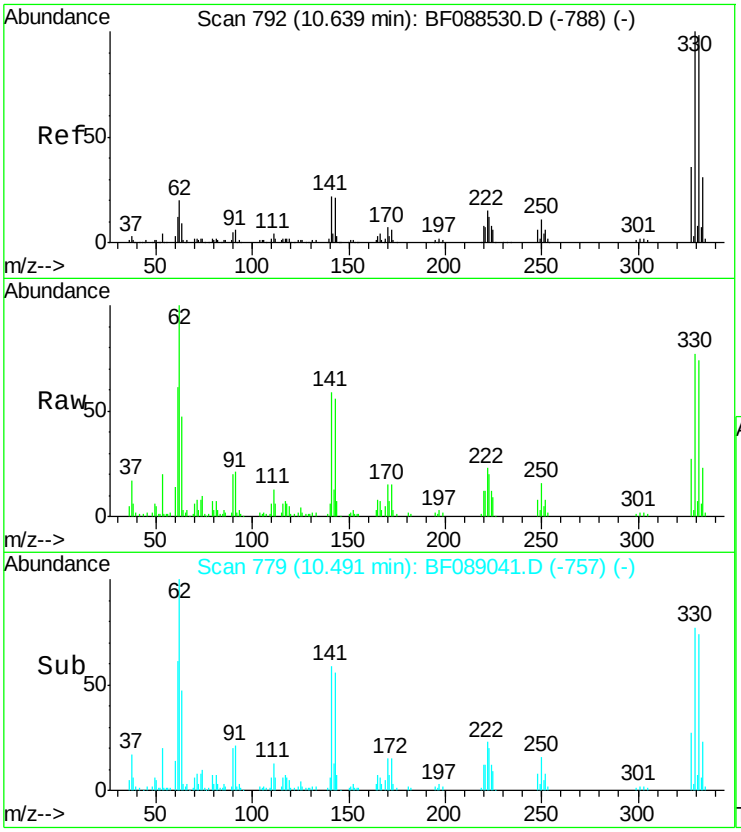


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:164 Resp: 97468

Ion	Ratio	Lower	Upper
164	100		
162	107.7	85.4	128.2
160	48.0	39.5	59.3



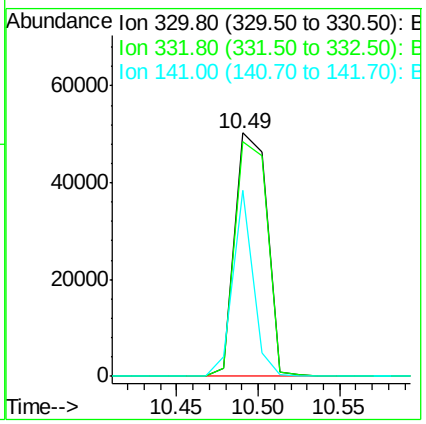


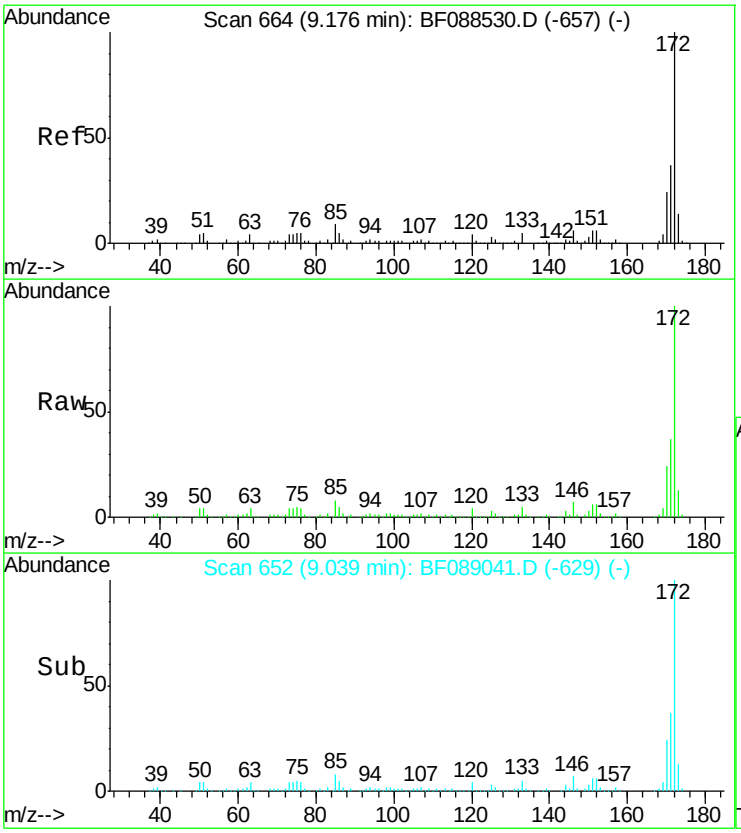
#41
2,4,6-Tribromophenol
Concen: 75.57 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:330 Resp: 68397

Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	48.0	0.0	0.0#

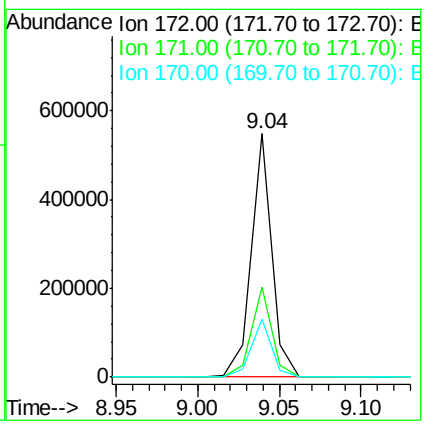


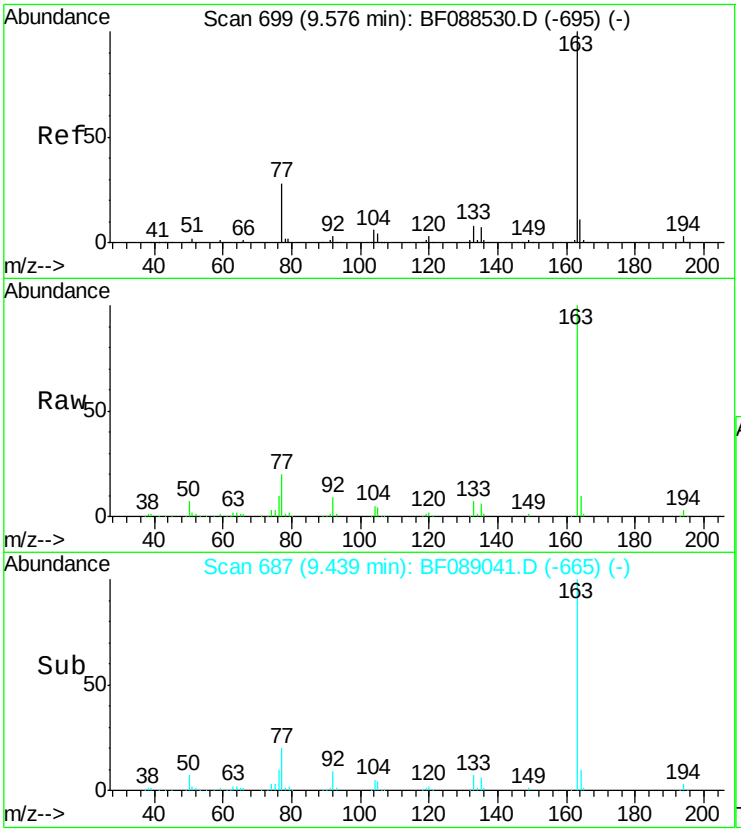


#44
2-Fluorobiphenyl
Concen: 77.65 ng
RT: 9.04 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:172 Resp: 479123

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	43.0
170	23.7	19.2	28.8



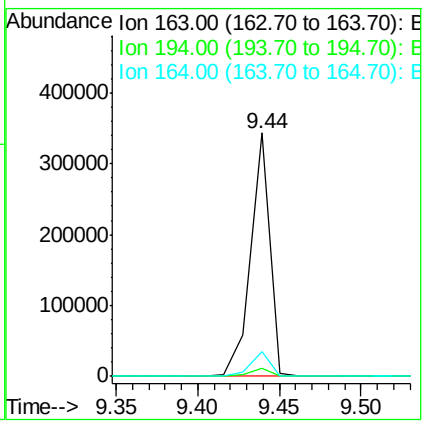


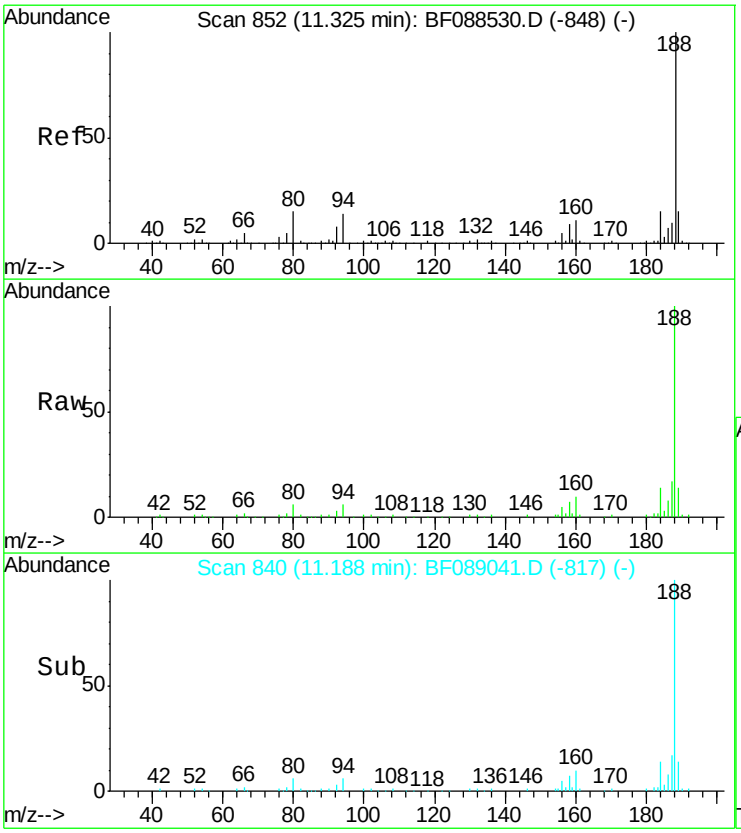
#49
Dimethylphthalate
Concen: 40.51 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:163 Resp: 281331

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.9	8.3	12.5

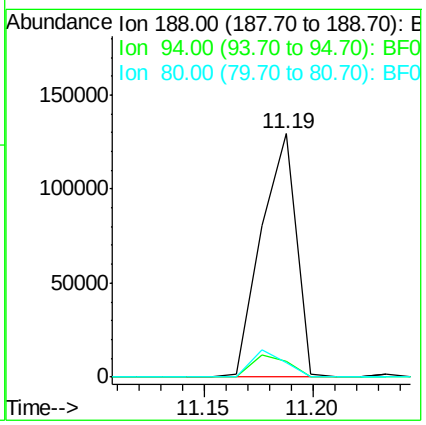


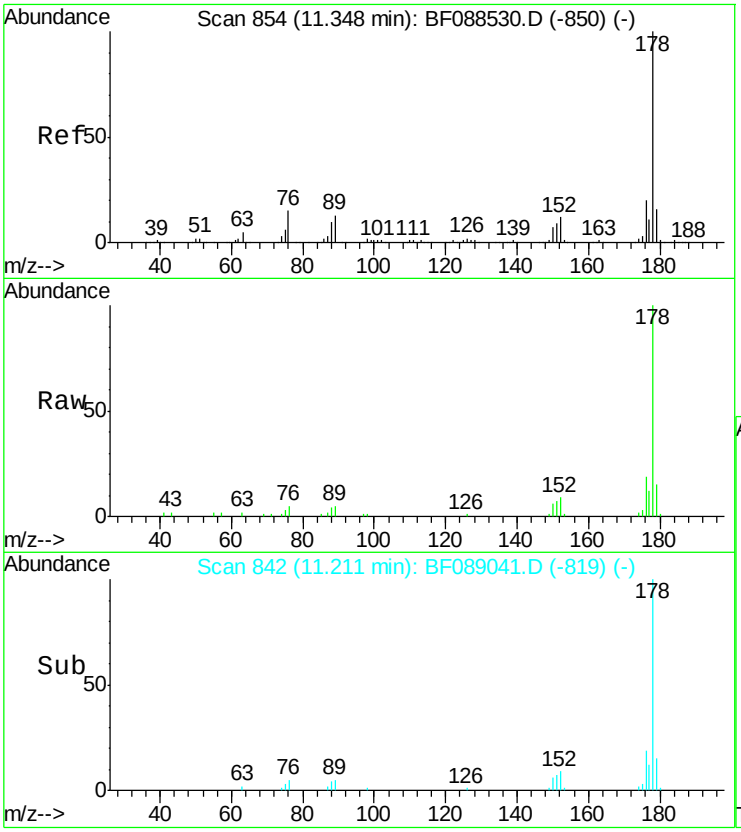


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:188 Resp: 145930

Ion	Ratio	Lower	Upper
188	100		
94	6.3	9.0	13.6#
80	6.2	10.0	15.0#



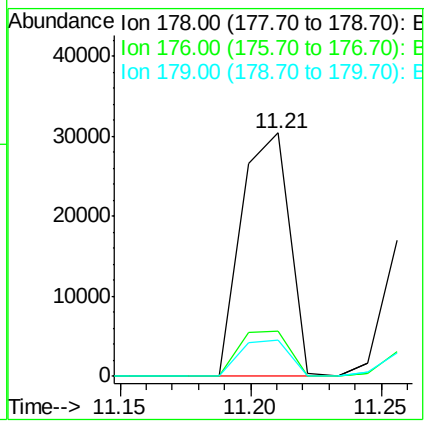


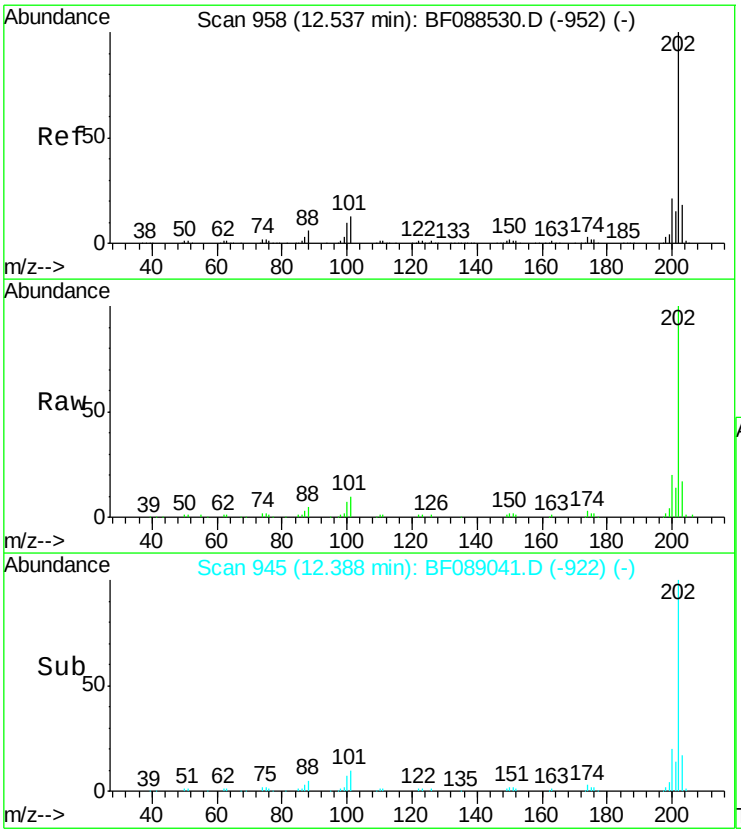
#70
Phenanthrene
Concen: 4.93 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:178 Resp: 39316

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.1	13.0	19.4

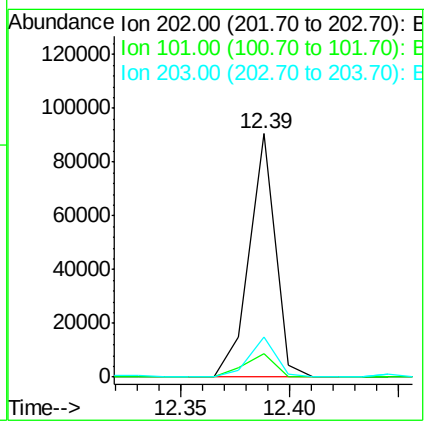


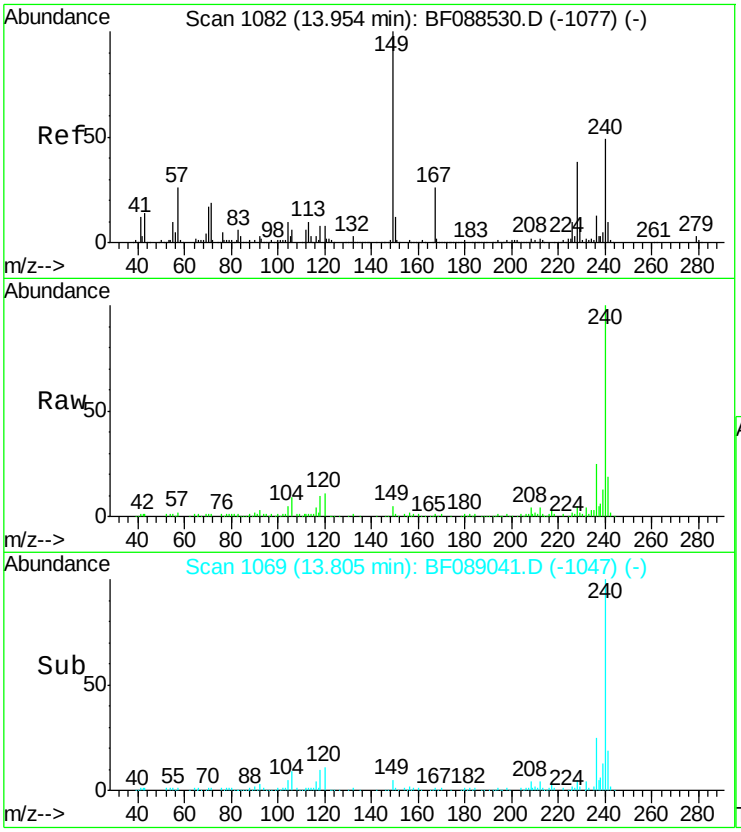


#74
Fluoranthene
Concen: 9.34 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:202 Resp: 75518

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	33.1
203	16.6	0.0	38.1



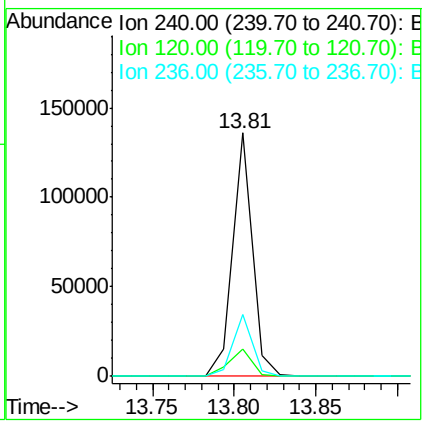


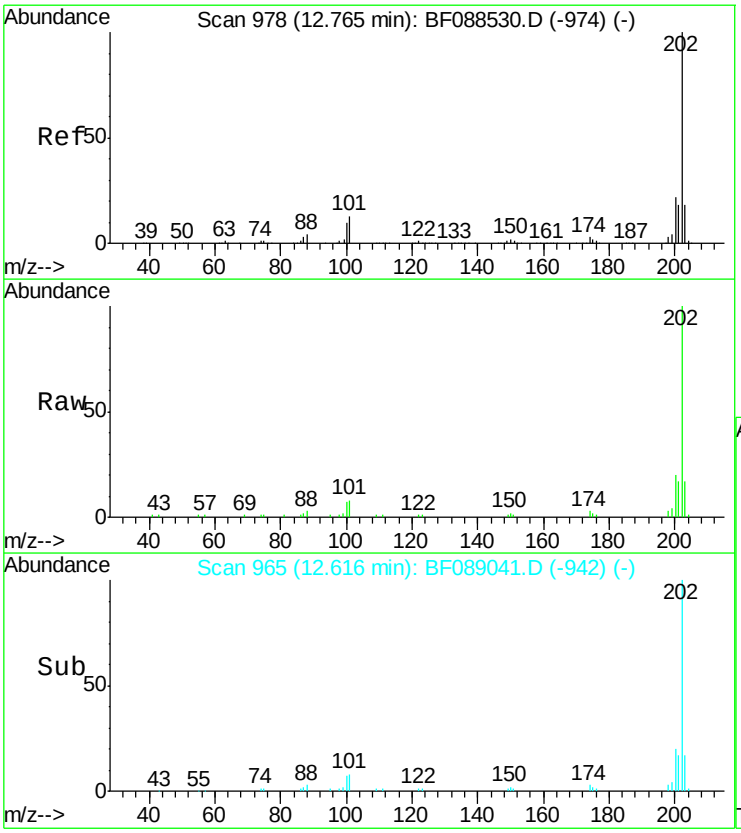
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:240 Resp: 112579

Ion	Ratio	Lower	Upper
240	100		
120	11.1	6.8	10.2#
236	25.3	20.2	30.2

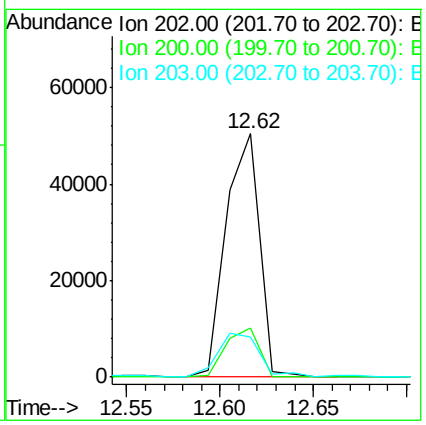


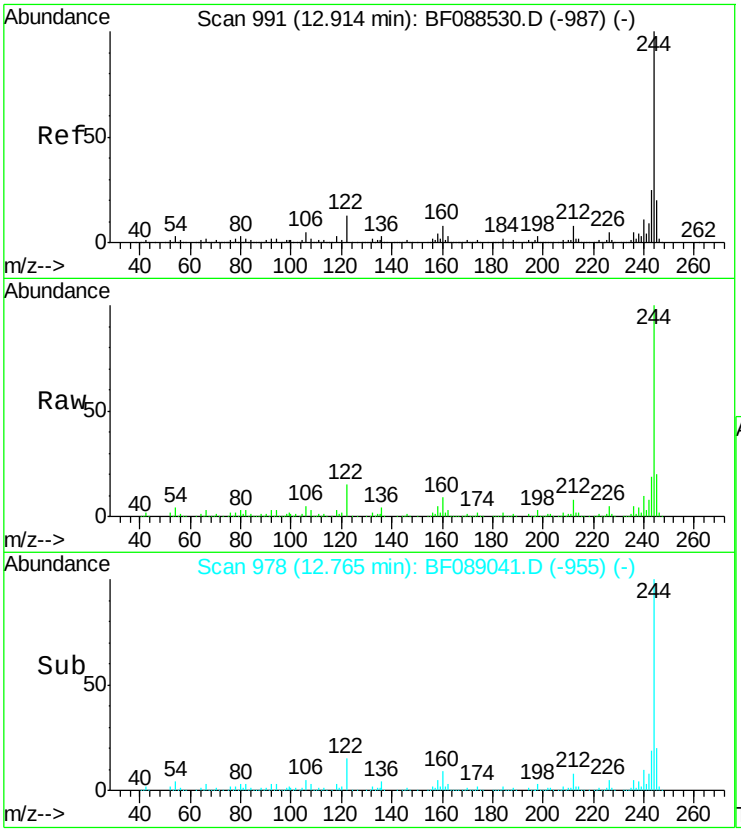


#77
Pyrene
Concen: 6.65 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:202 Resp: 63495

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	16.7	14.5	21.7



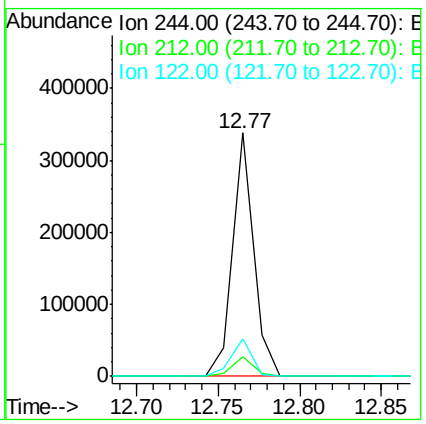


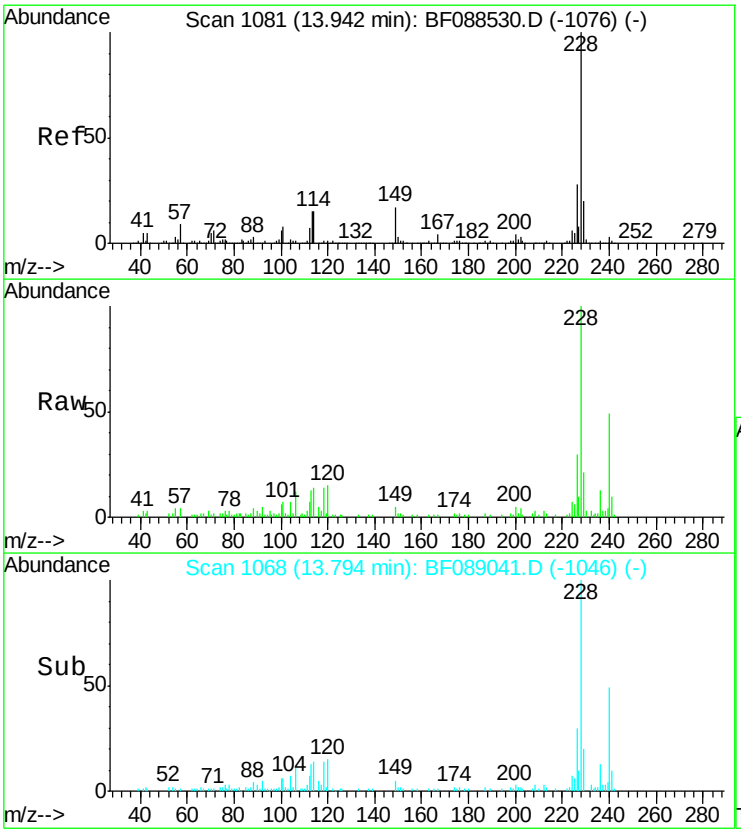
#78
Terphenyl-d14
Concen: 59.23 ng
RT: 12.77 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:244 Resp: 299391

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.0	9.0
122	15.2	11.2	16.8

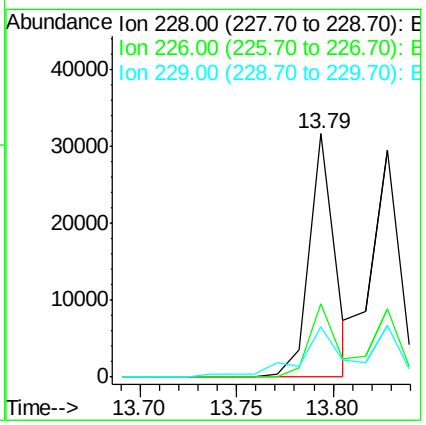


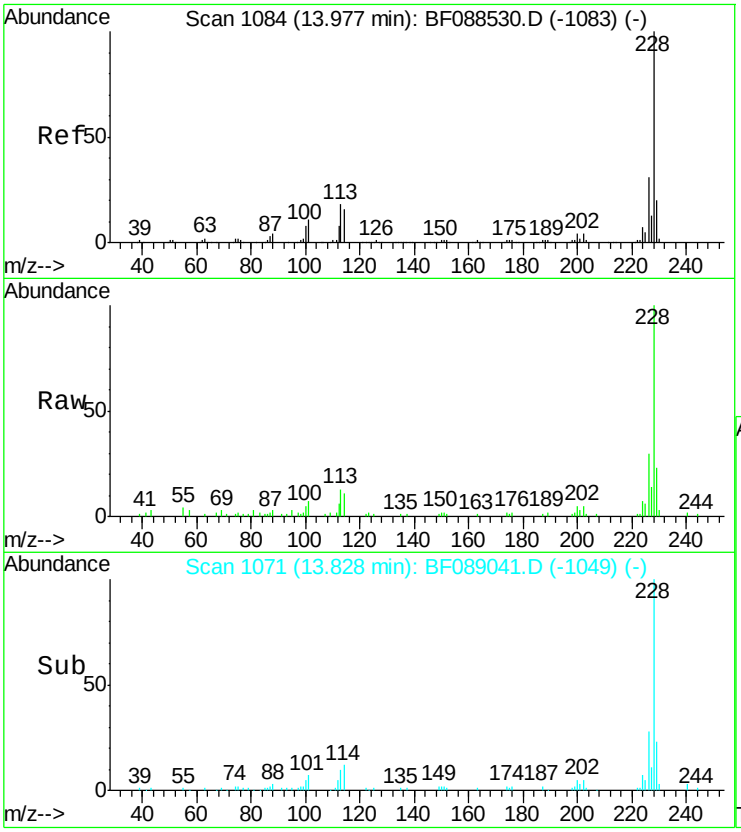


#80
Benzo(a)anthracene
Concen: 4.08 ng m
RT: 13.79 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:228 Resp: 29572

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	20.8	16.0	24.0



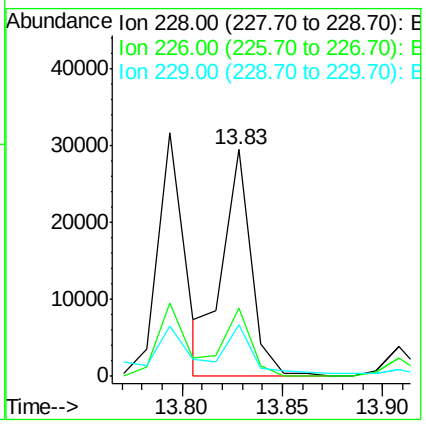


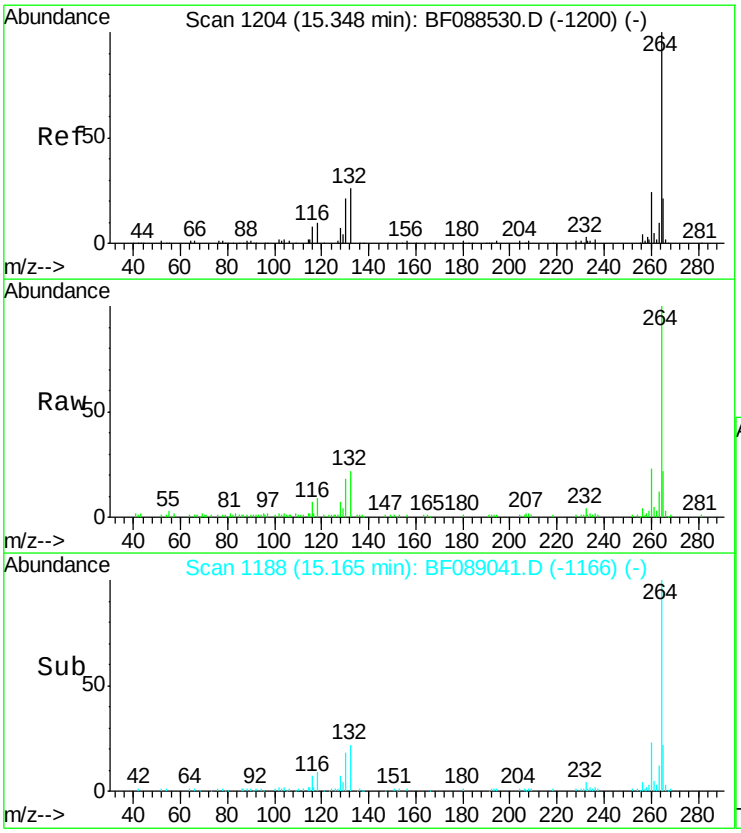
#82
Chrysene
Concen: 4.11 ng m
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:228 Resp: 29451

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	22.9	16.3	24.5

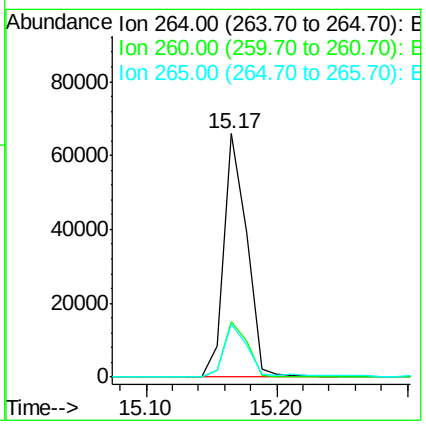


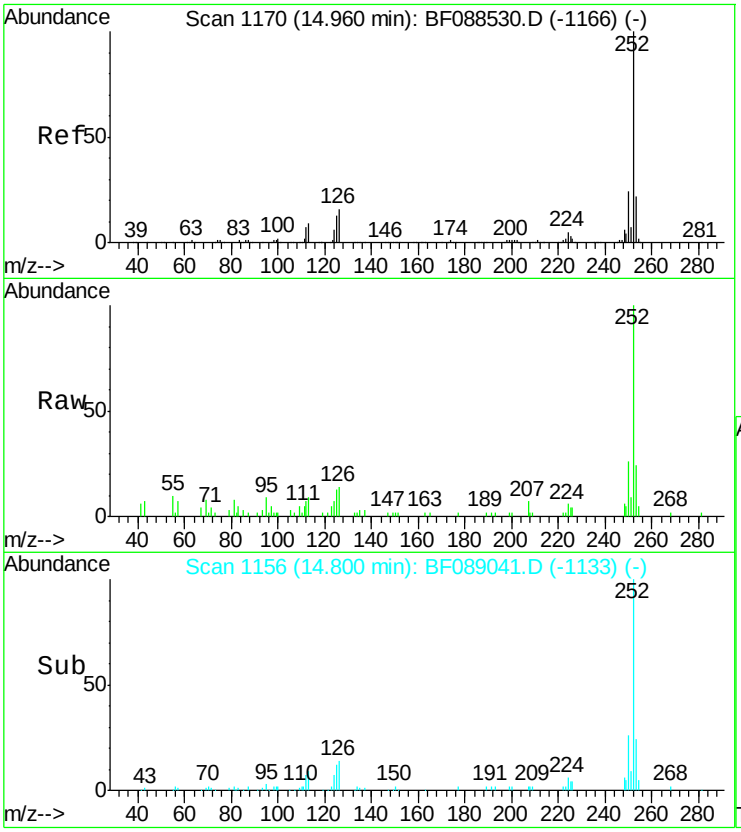


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1188
Delta R.T. -0.05 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:264 Resp: 80271

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.9	16.9	25.3



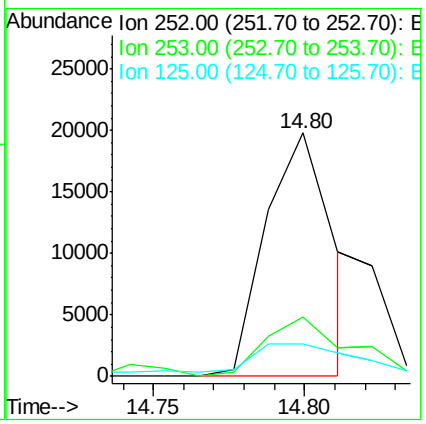


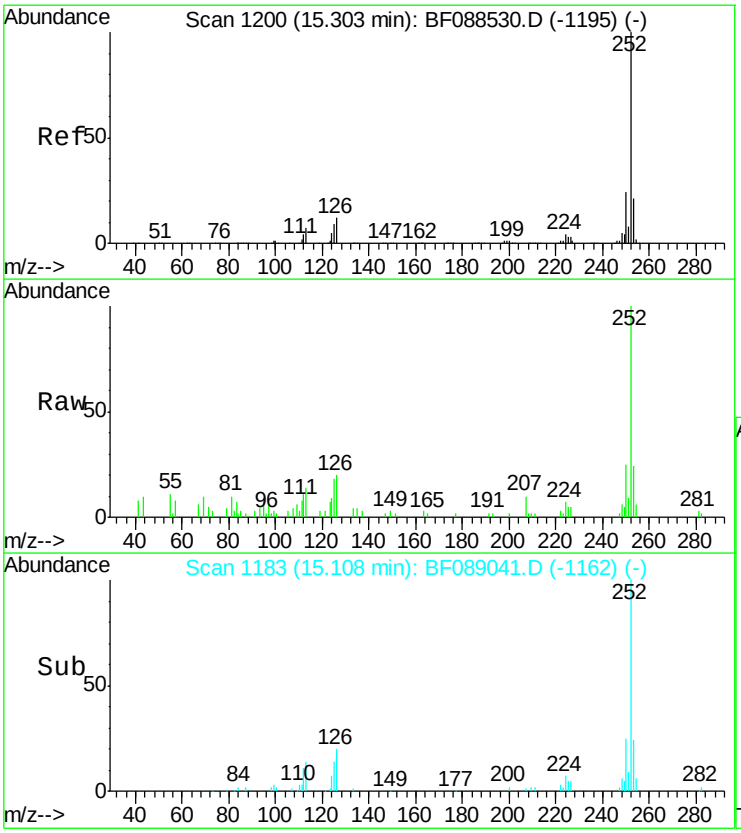
#87
Benzo(b)fluoranthene
Concen: 5.99 ng m
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:252 Resp: 30175

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	13.3	7.1	10.7#

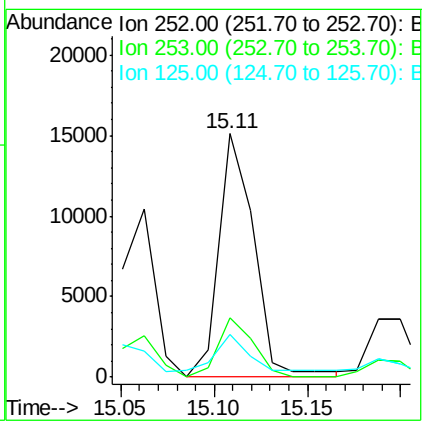


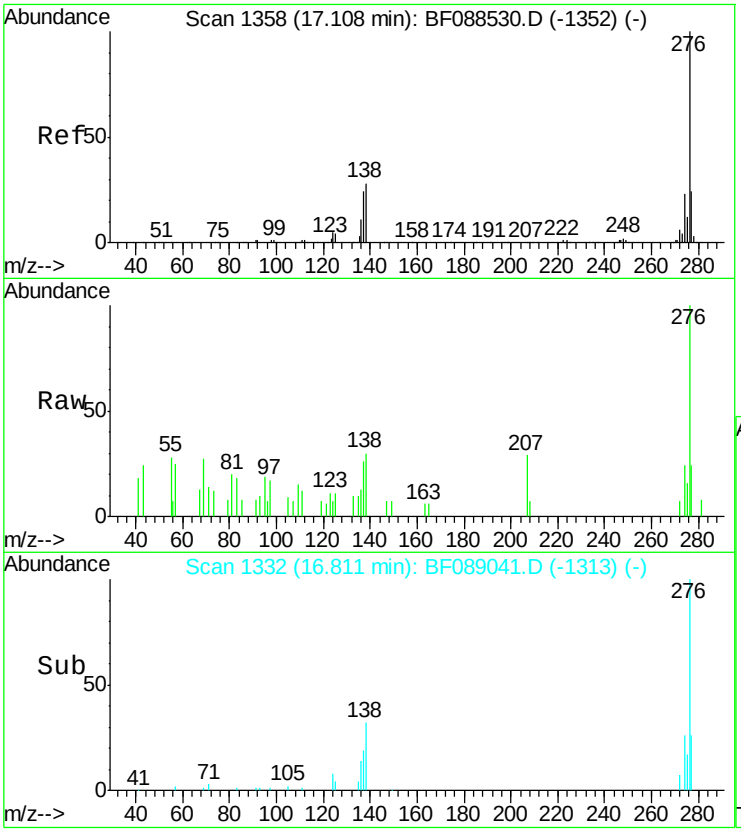


#89
Benzo(a)pyrene
Concen: 4.68 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.06 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Tgt Ion:252 Resp: 19963

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	17.7	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 2.46 ng
RT: 16.81 min Scan# 1332
Delta R.T. -0.08 min
Lab File: BF089041.D
Acq: 16 Jul 2016 5:03

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:276 Resp: 9074

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	29.8	21.4	32.2