Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-48AS

Quant Time: May 13 01:16:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 00:53:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	53695	20.00	ng		0.00
21) Naphthalene-d8	8.86	136	225594	20.00	ng		0.00
38) Acenaphthene-d10	11.03	164	107968	20.00	ng		-0.01
63) Phenanthrene-d10	12.88	188	211701	20.00	ng		0.00
75) Chrysene-d12	16.17	240	218679	20.00	ng		-0.02
86) Perylene-d12	17.87	264	241867	20.00	ng		-0.15
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	62849	20.15	ng		0.01
7) Phenol-d6	6.84	99	86563	20.99	ng		0.00
23) Nitrobenzene-d5	7.96	82	45698	11.64	ng		-0.01
41) 2,4,6-Tribromophenol	12.01	330	21020	18.00	ng		0.00
44) 2-Fluorobiphenyl	10.20	172	88677	11.44	ng		0.00
78) Terphenyl-d14	14.87	244	98482	10.78	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.88	128	22502	2.09	ng		98
32) Benzoic acid	8.51	122	291	6.44	ng		96
51) Acenaphthene	11.07	154	54367	8.29	ng		97
54) Dibenzofuran	11.29	168	52301	5.52	ng		93
57) Fluorene	11.71	166	47020	6.05	ng		97
70) Phenanthrene	12.90	178	883838	74.63	ng		99
71) Anthracene	12.97	178	185697	15.98	ng		98
72) Carbazole	13.18	167	47777	4.31	ng		96
74) Fluoranthene	14.39	202	1044377	84.63	ng		97
77) Pyrene	14.66	202	965032	76.58	ng	#	96
80) Benzo(a)anthracene	16.15	228	451083	37.67	ng		98
82) Chrysene	16.19	228	405928	35.24	ng		97
87) Benzo(b)fluoranthene	17.43	252	523978	39.58	ng		98
88) Benzo(k)fluoranthene	17.43	252	658105	51.35	ng		99
89) Benzo(a)pyrene	17.81	252	358167	29.38	ng	#	96
90) Dibenzo(a,h)anthracene	19.34	278	47624	3.68	ng	#	92
91) Benzo(g,h,i)perylene	19.75	276	217012	16.71	ng		99

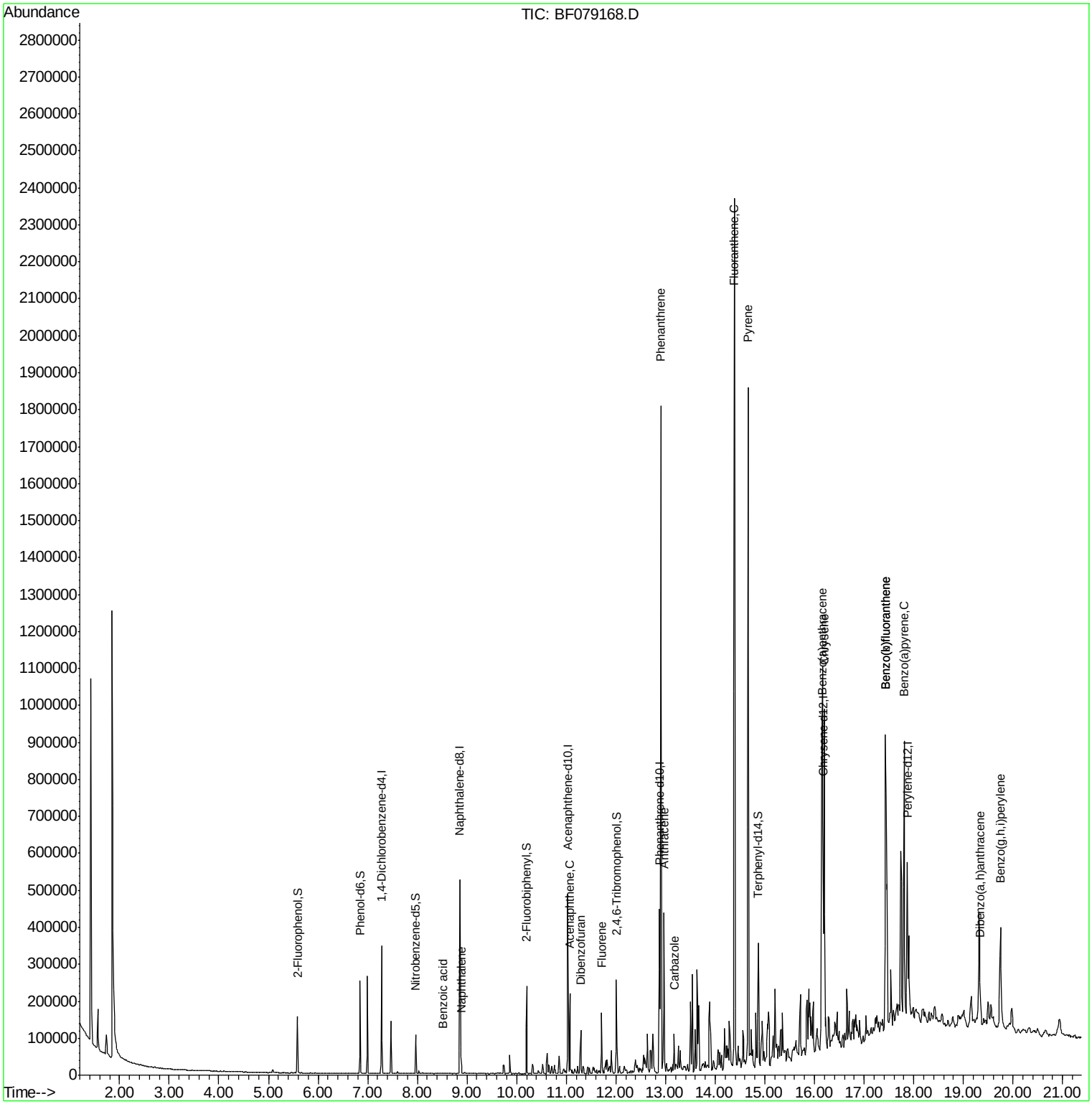
(#) = qualifier out of range (m) = manual integration (+) = signals summed

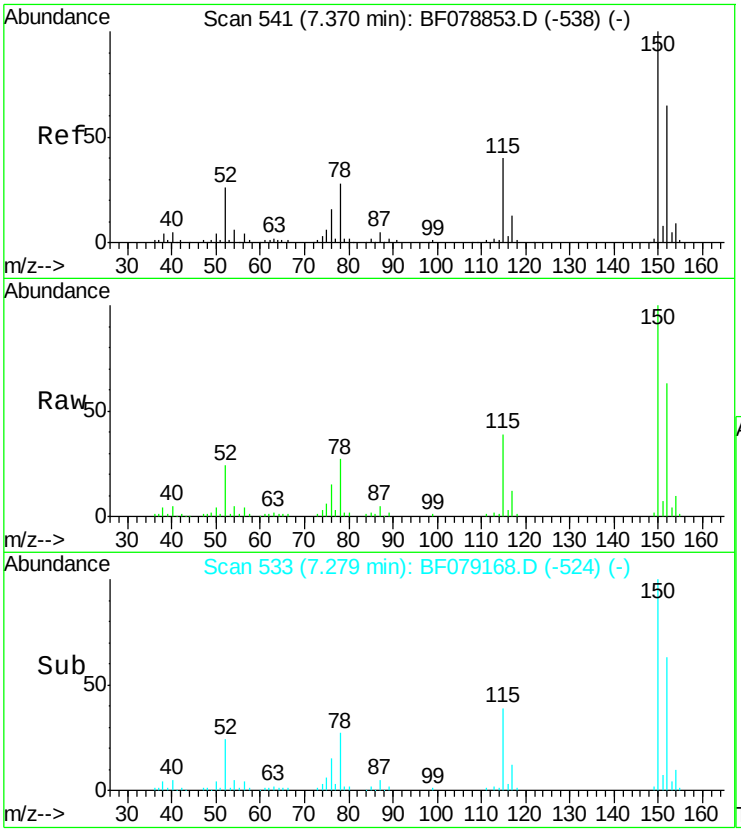
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
Data File : BF079168.D
Acq On : 12 May 2015 20:14
Operator : TP/IZ
Sample : G2155-06 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Quant Time: May 13 01:16:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 00:53:14 2015
Response via : Initial Calibration



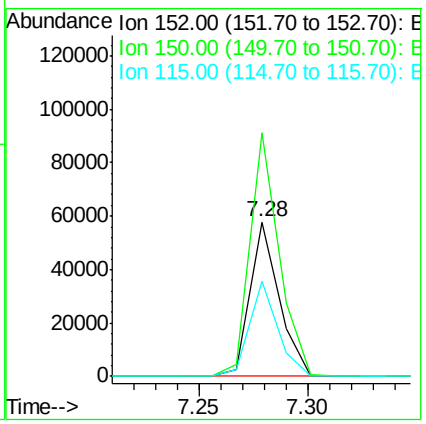


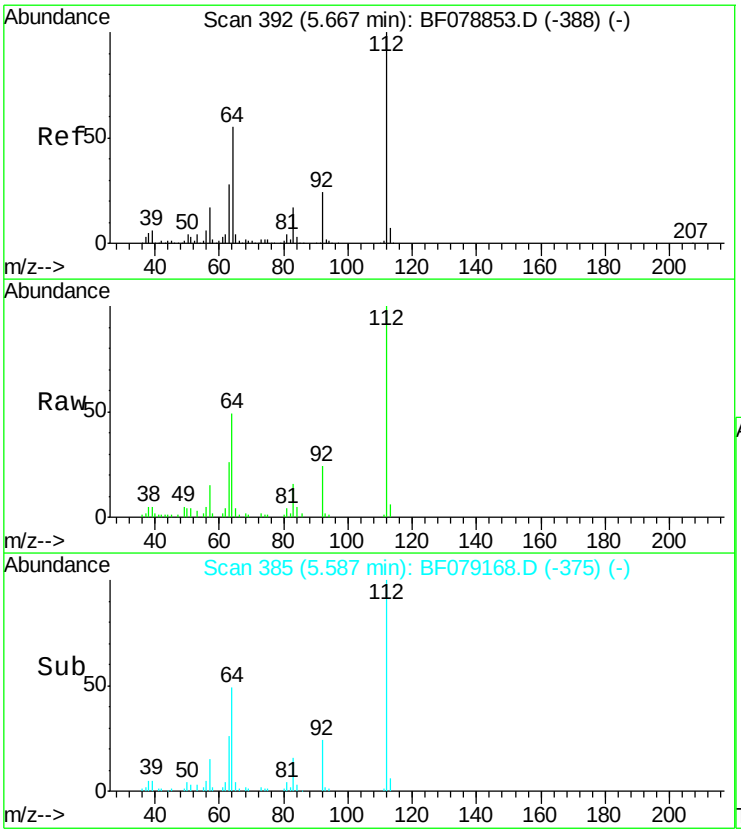
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:152 Resp: 53695

Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.0	183.0
115	61.9	46.3	69.5

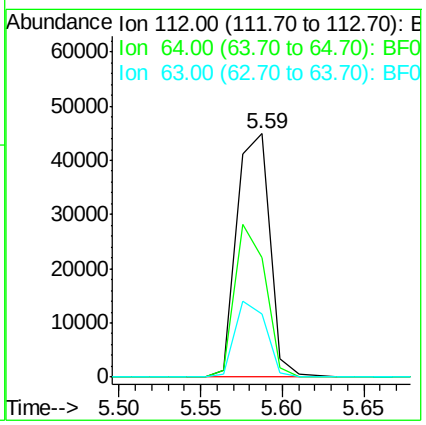


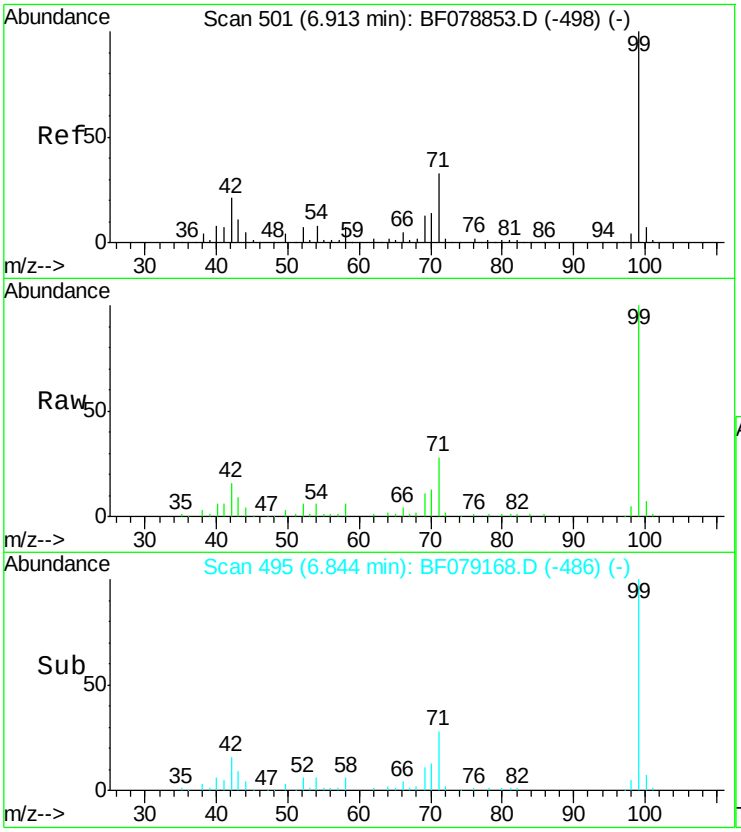


#5
2-Fluorophenol
Concen: 20.15 ng
RT: 5.59 min Scan# 385
Delta R.T. 0.01 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:112 Resp: 62849

Ion	Ratio	Lower	Upper
112	100		
64	49.3	53.5	80.3#
63	25.7	27.5	41.3#



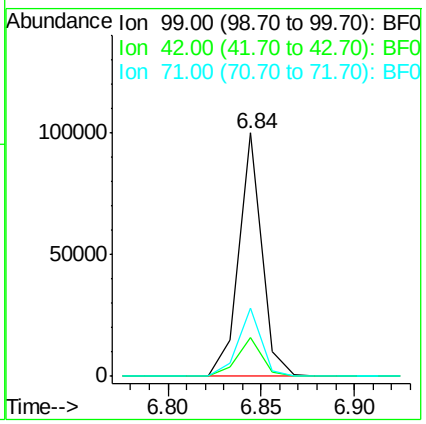


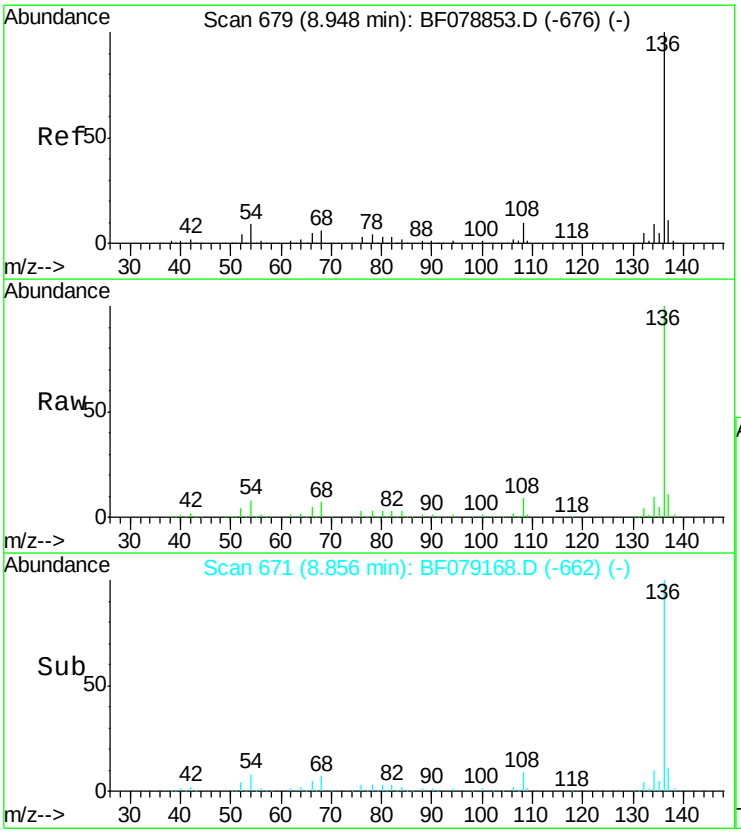
#7
Phenol-d6
Concen: 20.99 ng
RT: 6.84 min Scan# 495
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion: 99 Resp: 86563

Ion	Ratio	Lower	Upper
99	100		
42	15.9	12.8	19.2
71	28.0	23.4	35.2

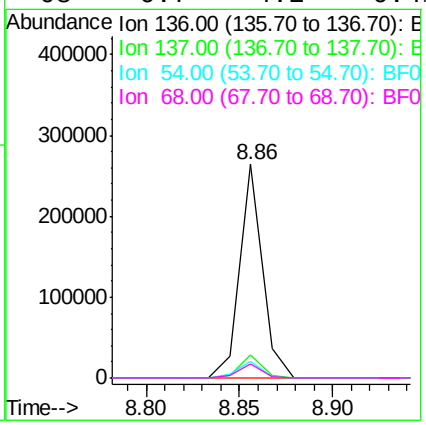


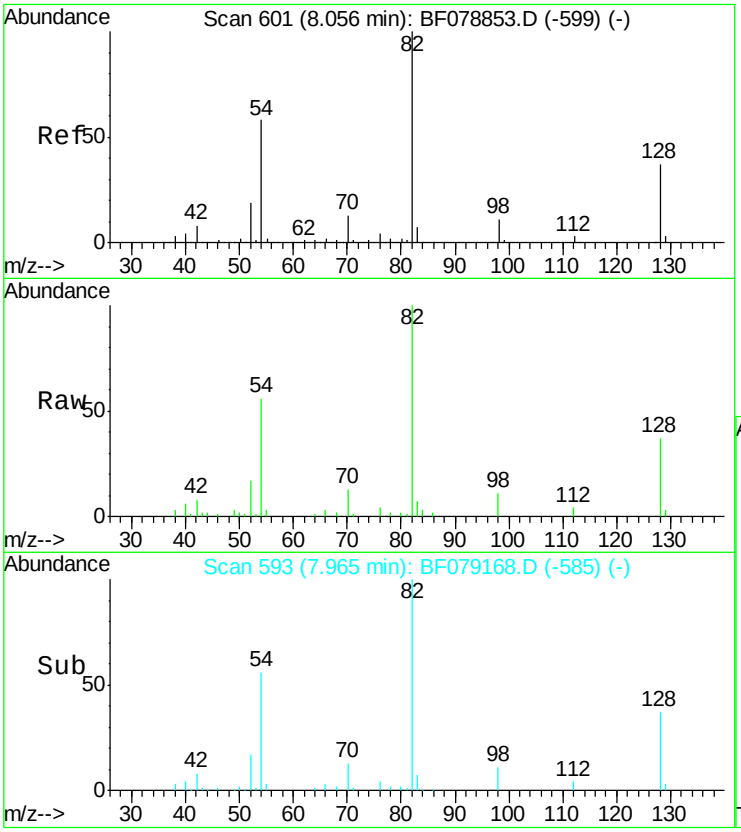


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.86 min Scan# 671
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:136 Resp: 225594

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.0	5.8	8.8
68	6.7	4.2	6.4#



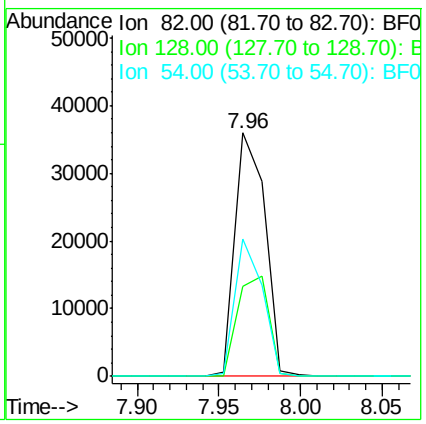


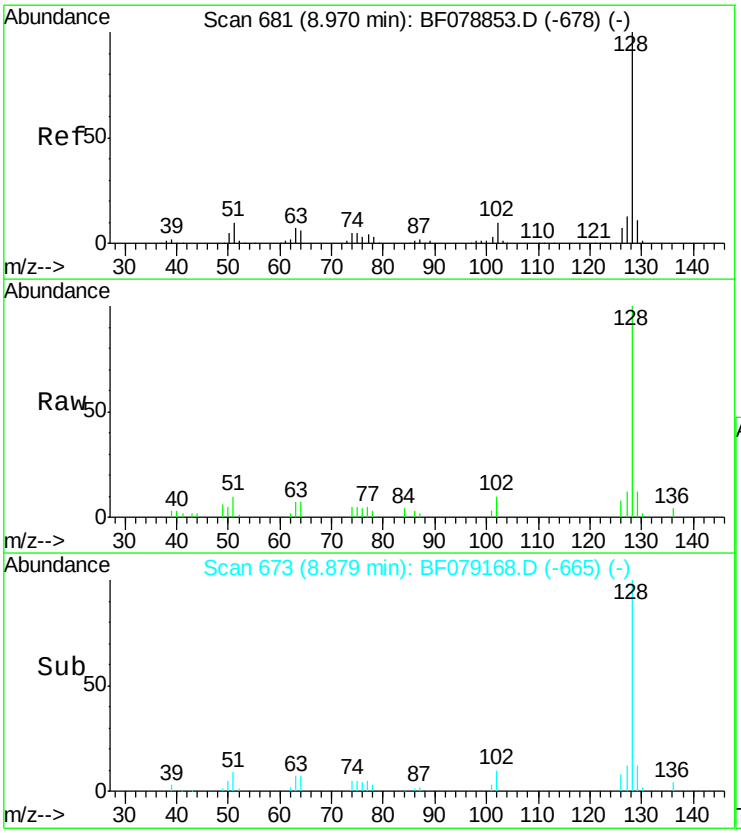
#23
Nitrobenzene-d5
Concen: 11.64 ng
RT: 7.96 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion: 82 Resp: 45698

Ion	Ratio	Lower	Upper
82	100		
128	36.8	30.0	45.0
54	56.3	46.4	69.6

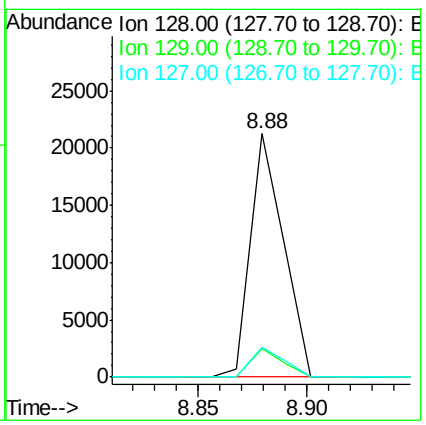


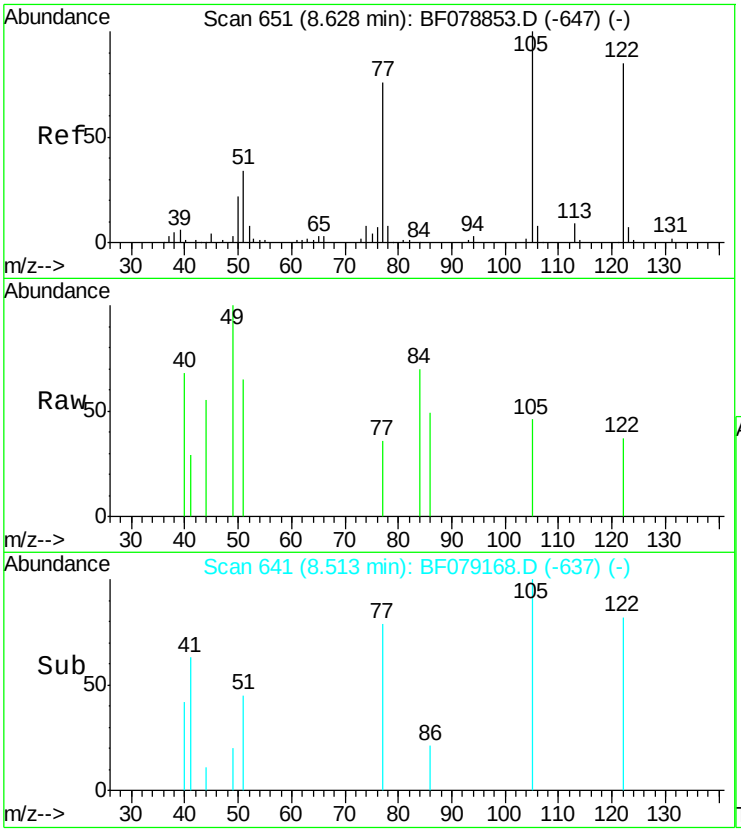


#31
Naphthalene
Concen: 2.09 ng
RT: 8.88 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:128 Resp: 22502

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	12.3	10.7	16.1



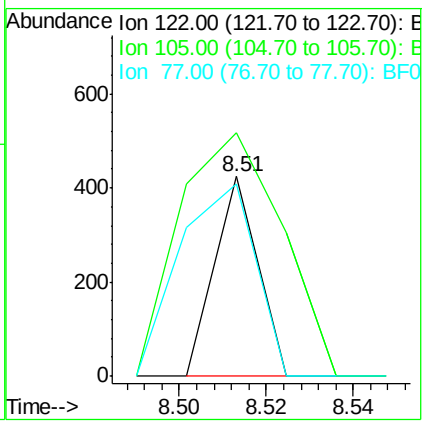


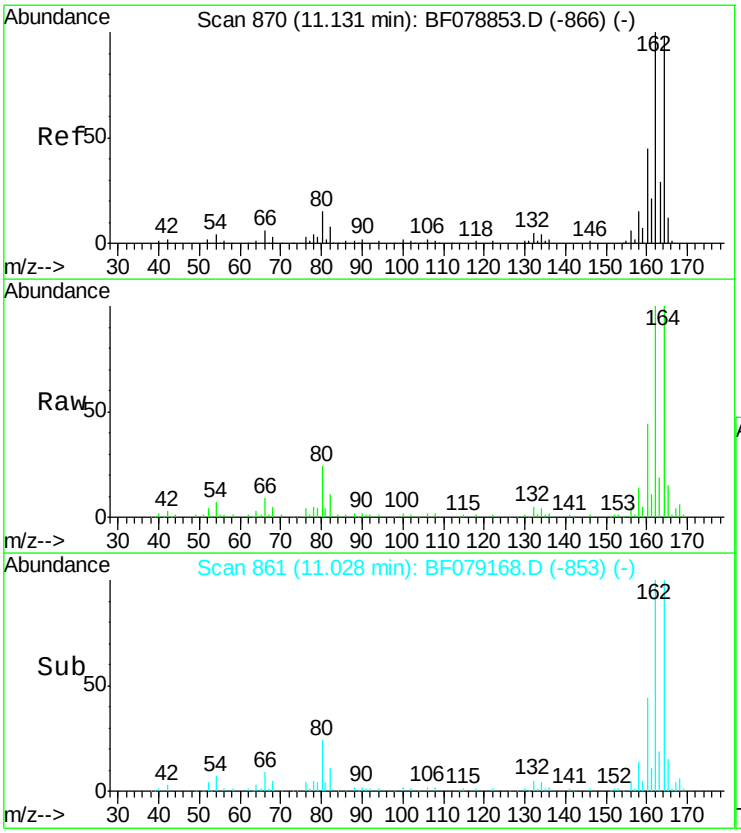
#32
Benzoic acid
Concen: 6.44 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:122 Resp: 291

Ion	Ratio	Lower	Upper
122	100		
105	121.9	107.1	147.1
77	96.5	73.9	113.9

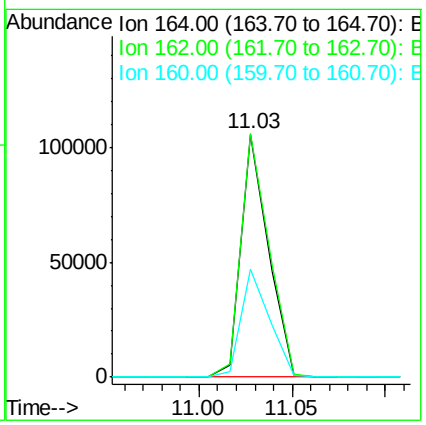


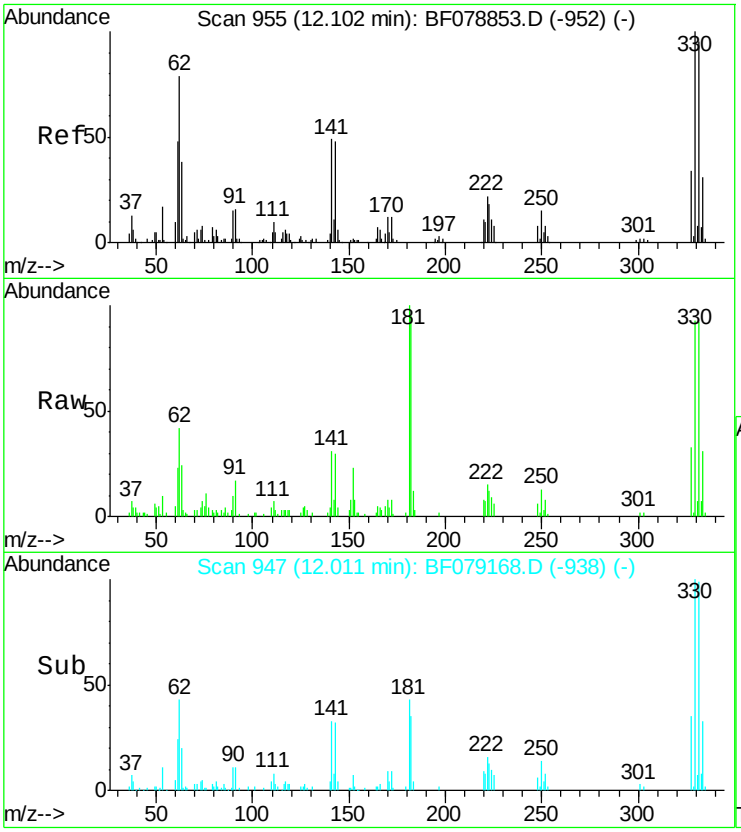


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:164 Resp: 107968

Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.7	124.1
160	44.4	35.8	53.8



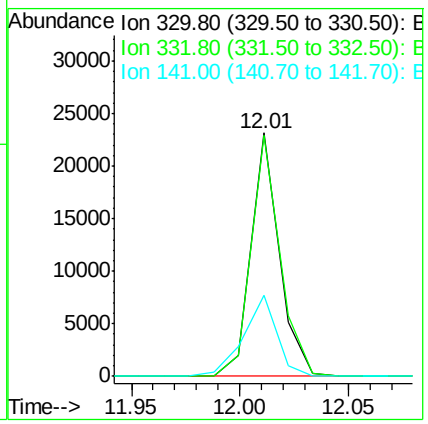


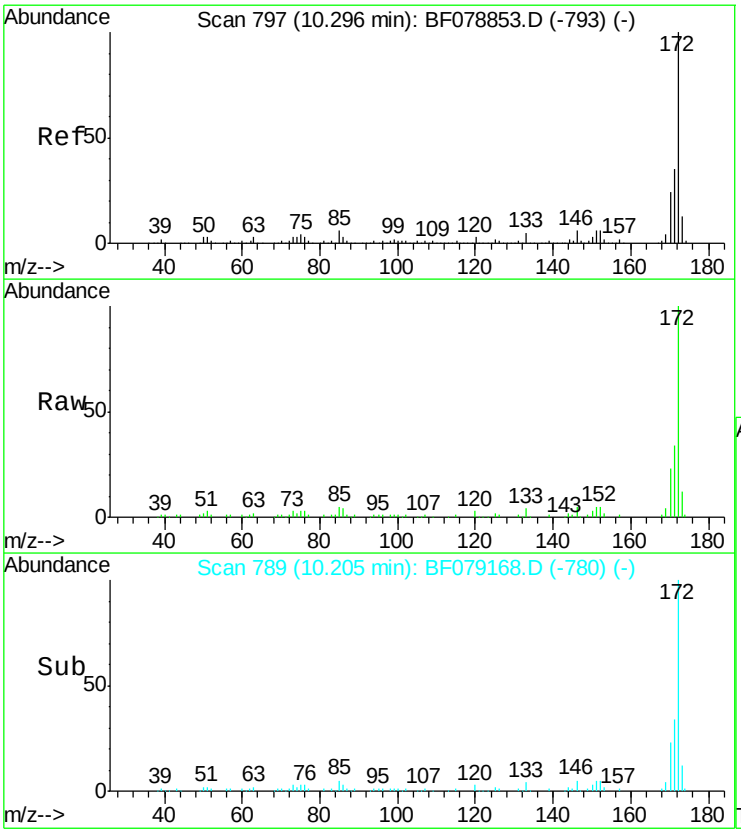
#41
2,4,6-Tribromophenol
Concen: 18.00 ng
RT: 12.01 min Scan# 947
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:330 Resp: 21020

Ion	Ratio	Lower	Upper
330	100		
332	101.1	0.0	0.0#
141	39.0	0.0	0.0#

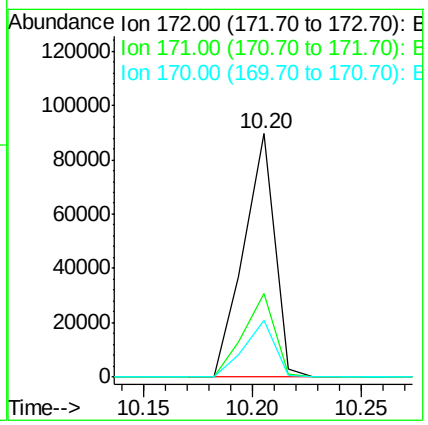


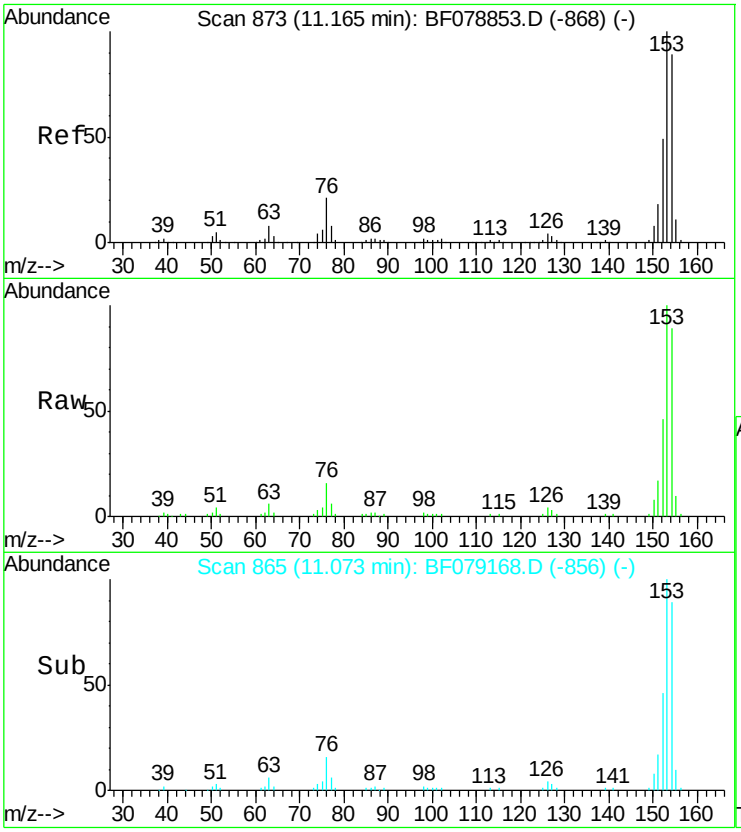


#44
2-Fluorobiphenyl
Concen: 11.44 ng
RT: 10.20 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:172 Resp: 88677

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.4	19.4	29.0



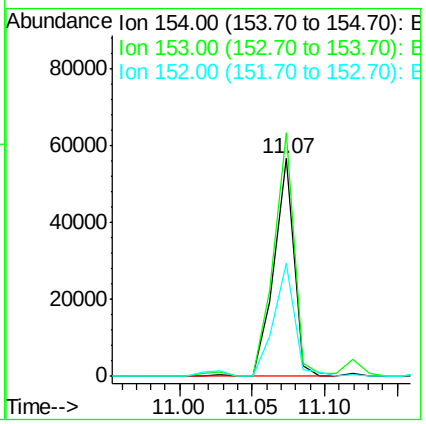


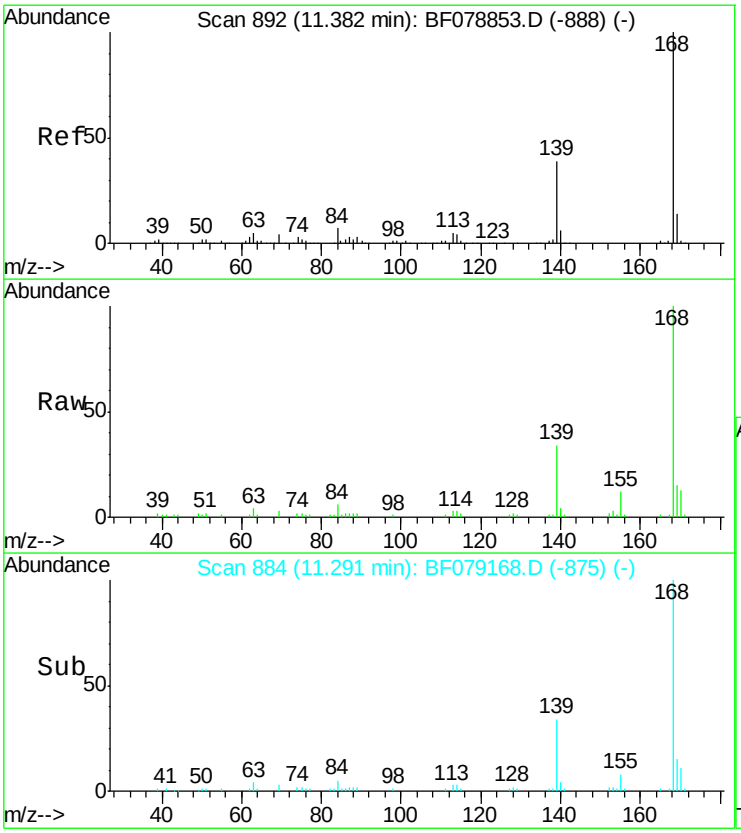
#51
Acenaphthene
Concen: 8.29 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:154 Resp: 54367

Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.5	137.3
152	51.6	44.2	66.4

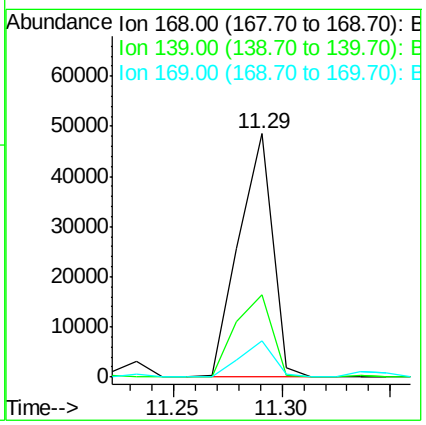


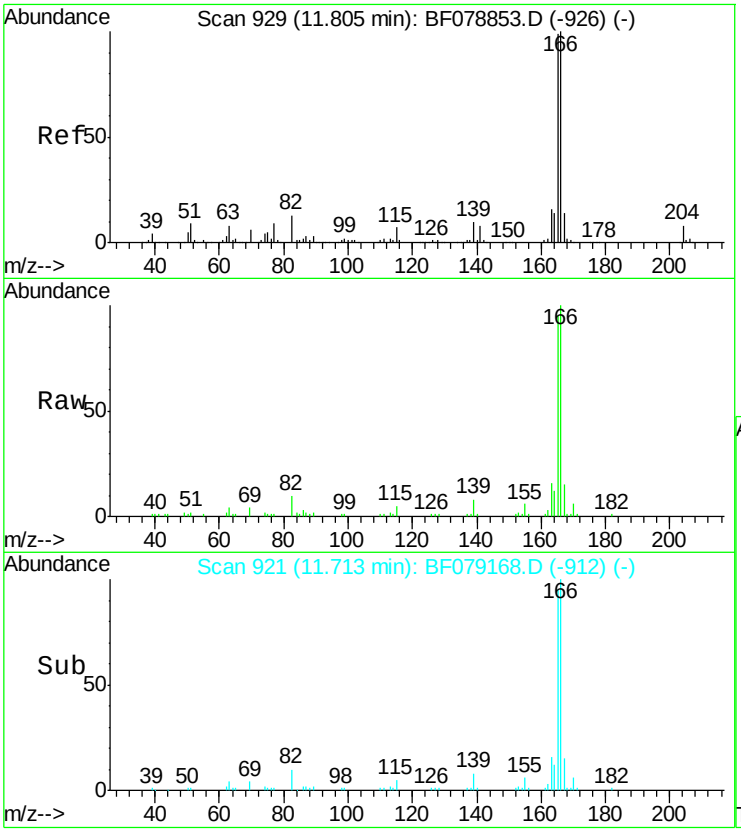


#54
Dibenzofuran
Concen: 5.52 ng
RT: 11.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:168 Resp: 52301

Ion	Ratio	Lower	Upper
168	100		
139	33.7	31.0	46.4
169	15.0	10.6	16.0



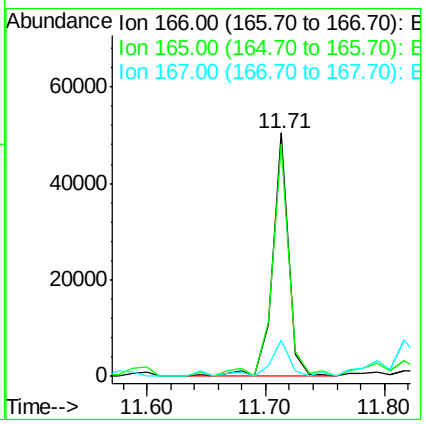


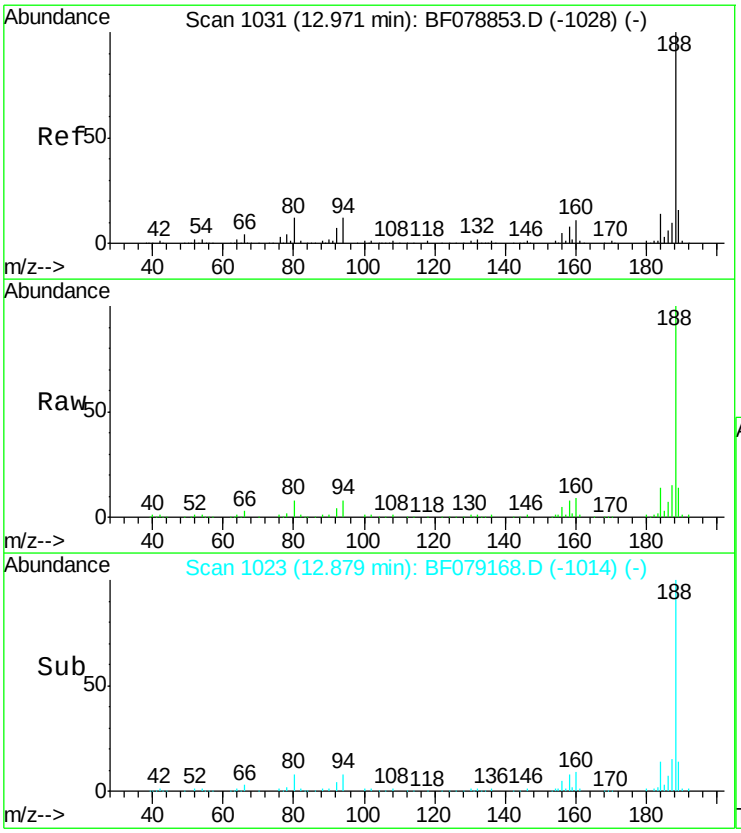
#57
Fluorene
Concen: 6.05 ng
RT: 11.71 min Scan# 921
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:166 Resp: 47020

Ion	Ratio	Lower	Upper
166	100		
165	95.4	78.5	117.7
167	15.1	11.0	16.6

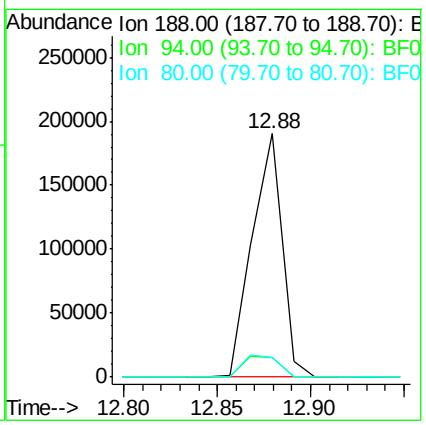


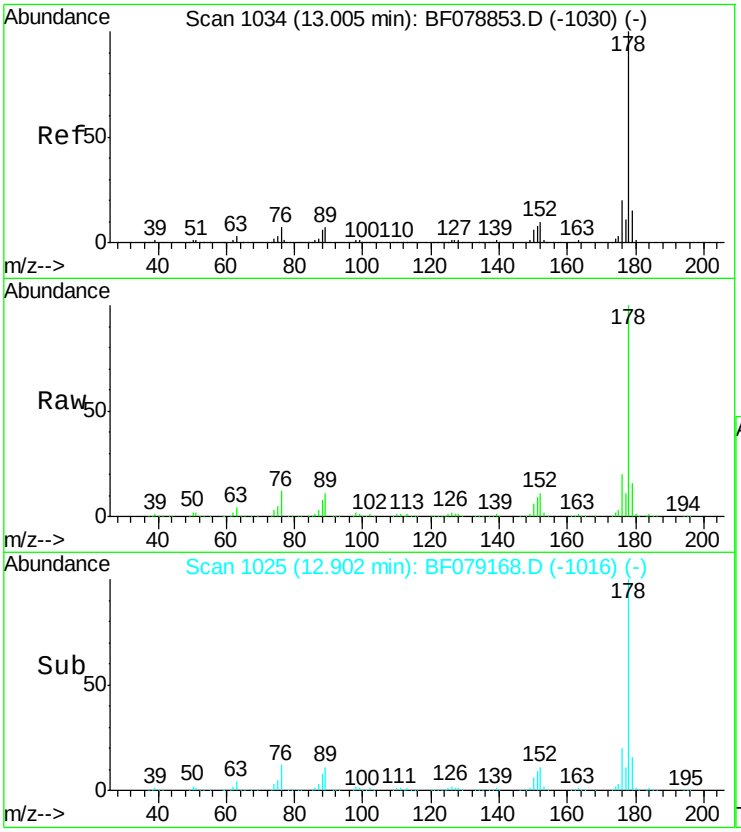


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.88 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:188 Resp: 211701

Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.2	12.2#
80	8.1	8.9	13.3#



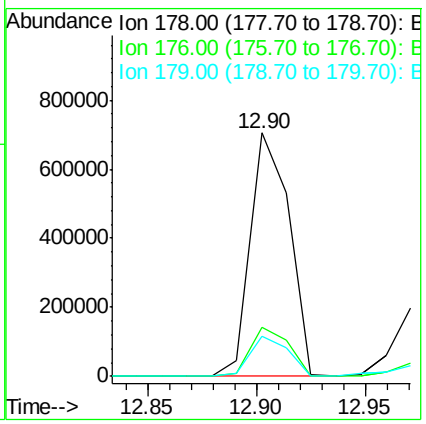


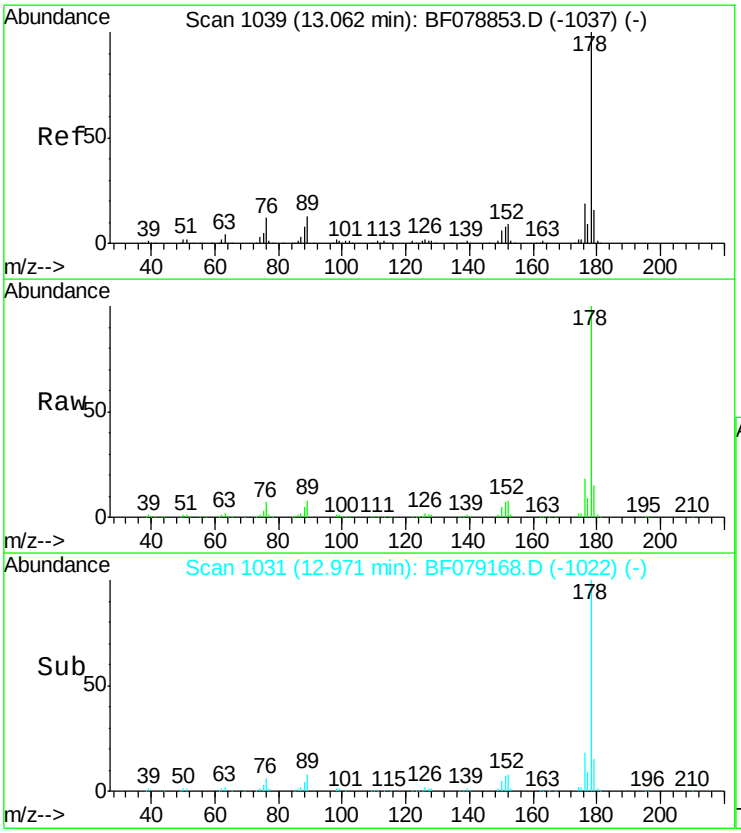
#70
Phenanthrene
Concen: 74.63 ng
RT: 12.90 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:178 Resp: 883838

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	16.3	12.5	18.7

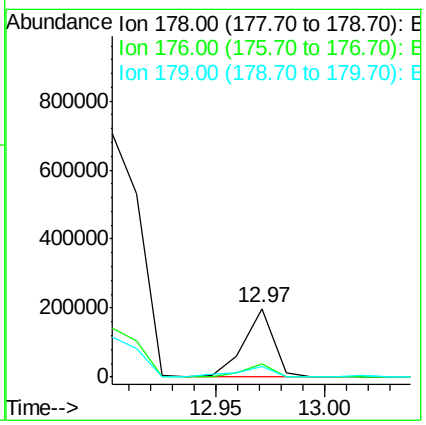


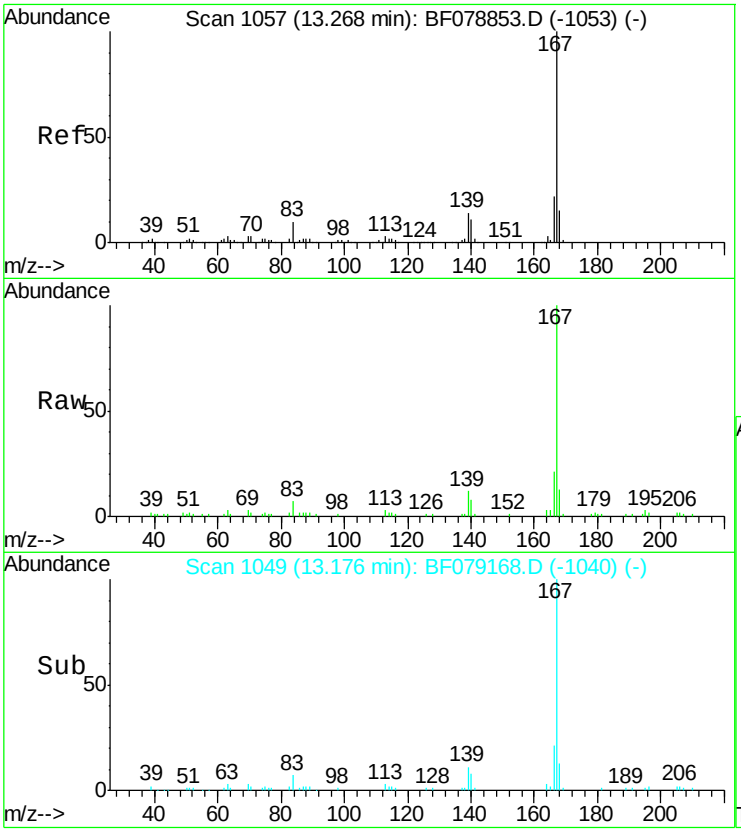


#71
Anthracene
Concen: 15.98 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:178 Resp: 185697

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	14.9	12.7	19.1



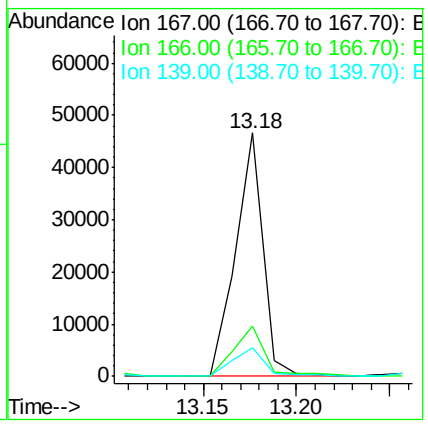


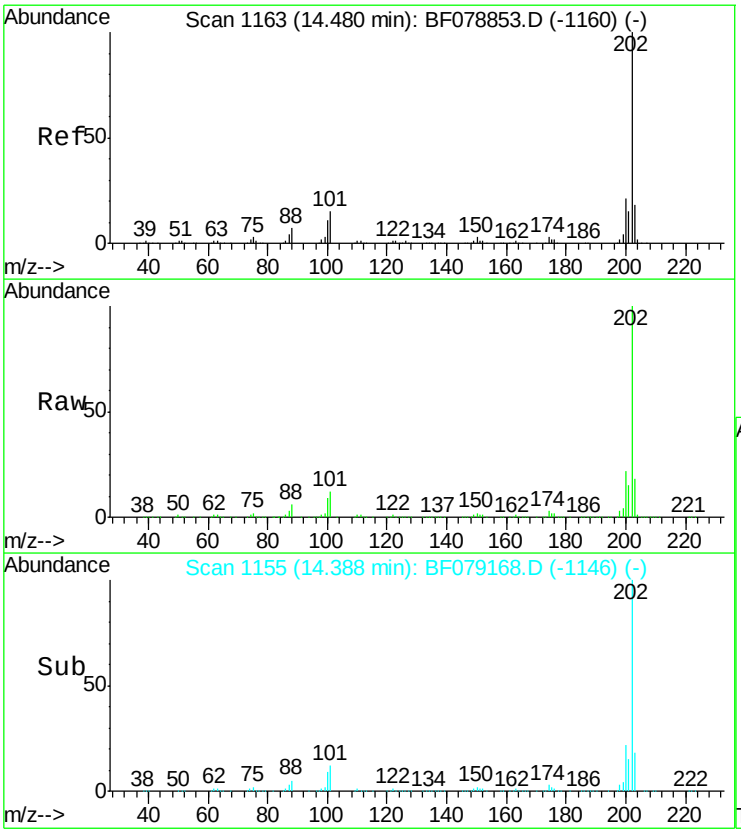
#72
Carbazole
Concen: 4.31 ng
RT: 13.18 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:167 Resp: 47777

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.8	26.8
139	11.7	10.6	16.0

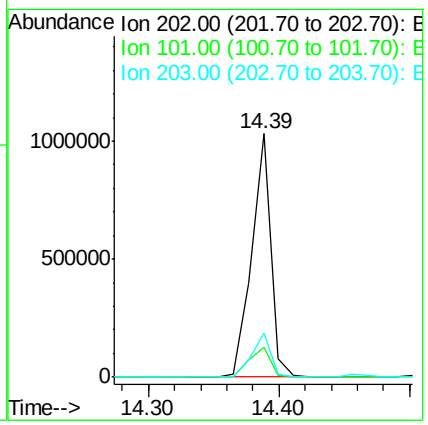


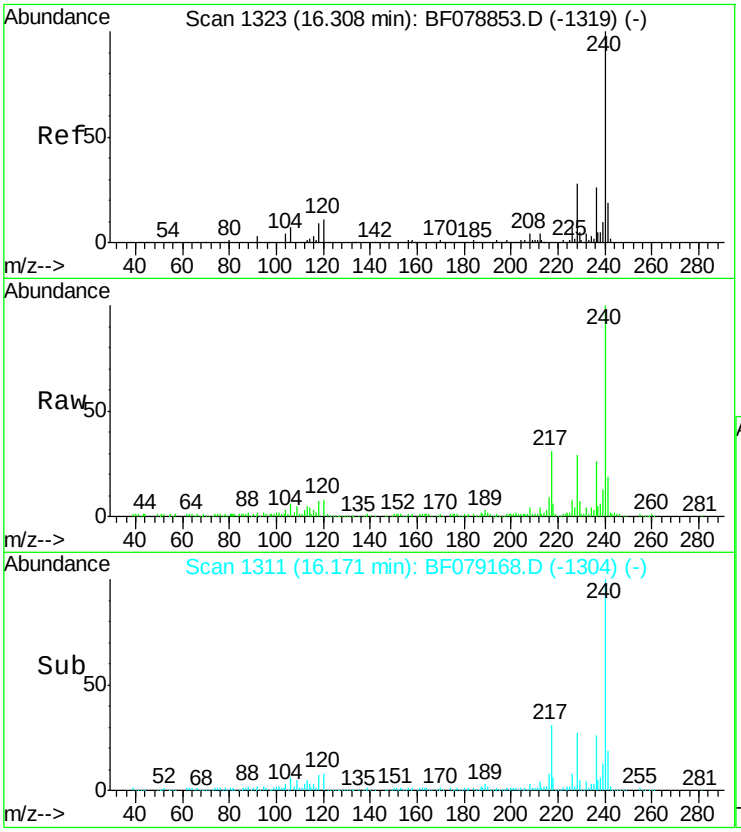


#74
Fluoranthene
Concen: 84.63 ng
RT: 14.39 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:202 Resp: 1044377

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.6
203	18.0	0.0	38.4



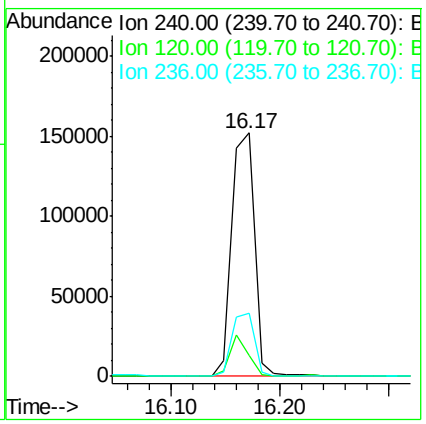


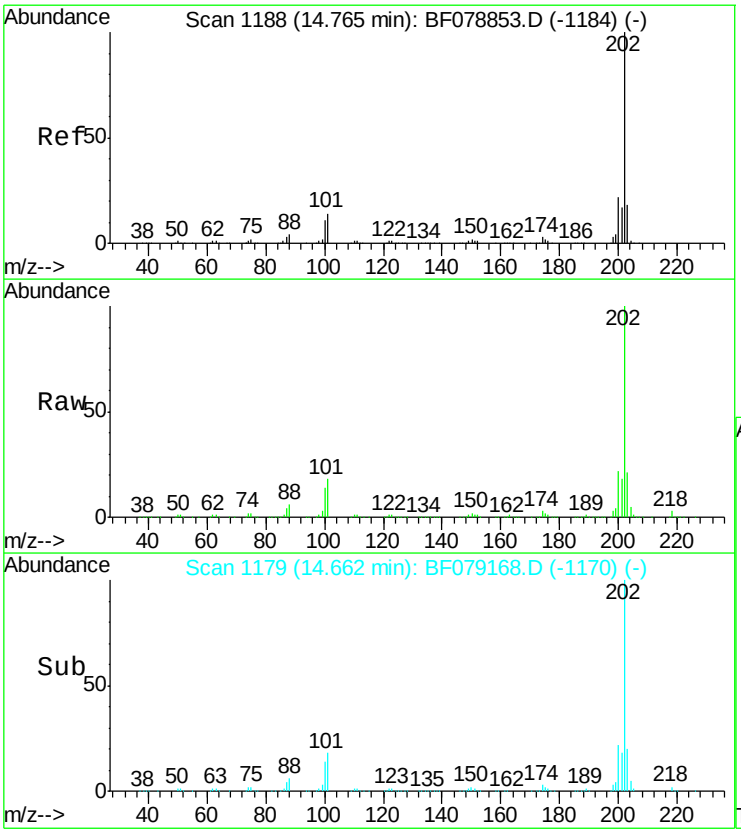
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.17 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:240 Resp: 218679

Ion	Ratio	Lower	Upper
240	100		
120	8.4	9.7	14.5#
236	25.9	20.2	30.4

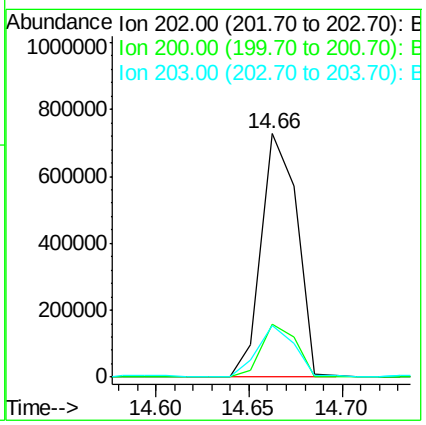


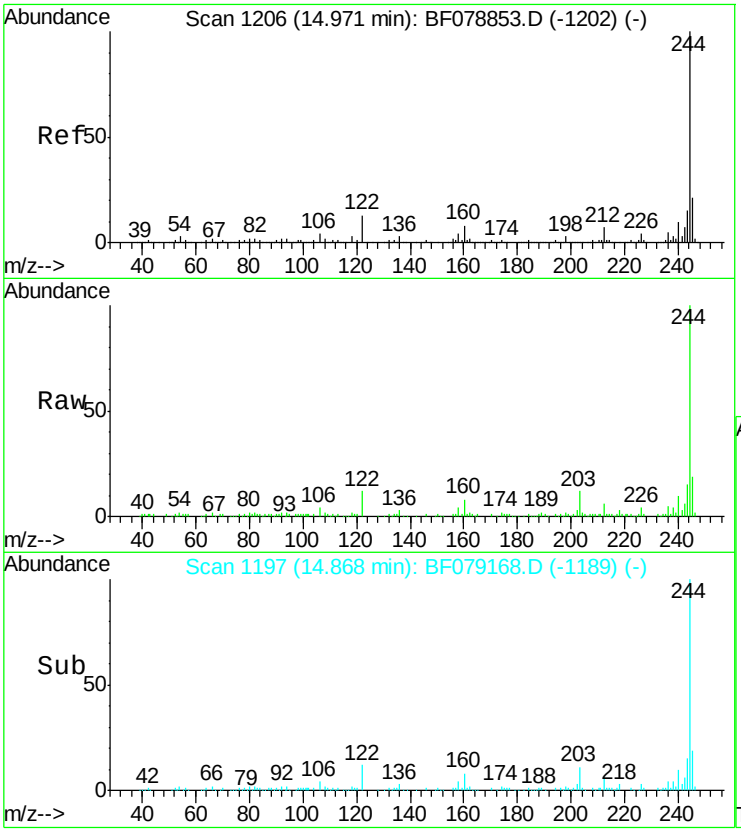


#77
Pyrene
Concen: 76.58 ng
RT: 14.66 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:202 Resp: 965032

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3
203	21.0	13.9	20.9#



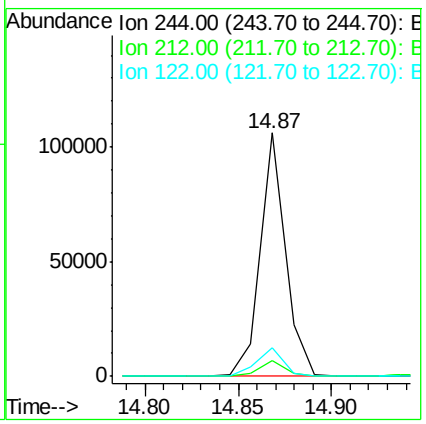


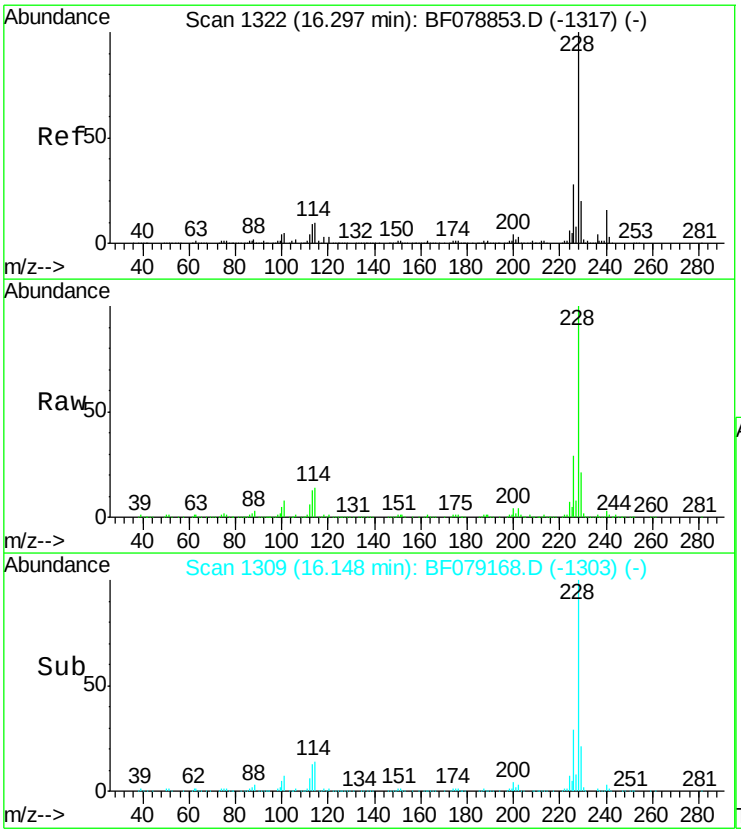
#78
Terphenyl-d14
Concen: 10.78 ng
RT: 14.87 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:244 Resp: 98482

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	12.0	10.3	15.5

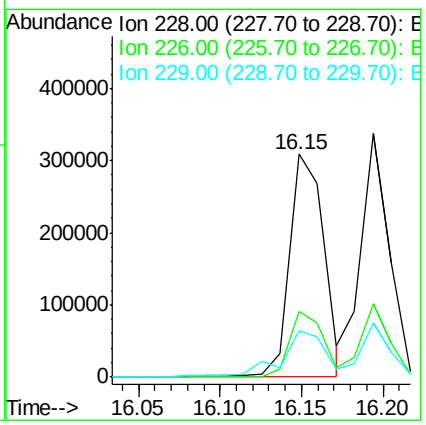


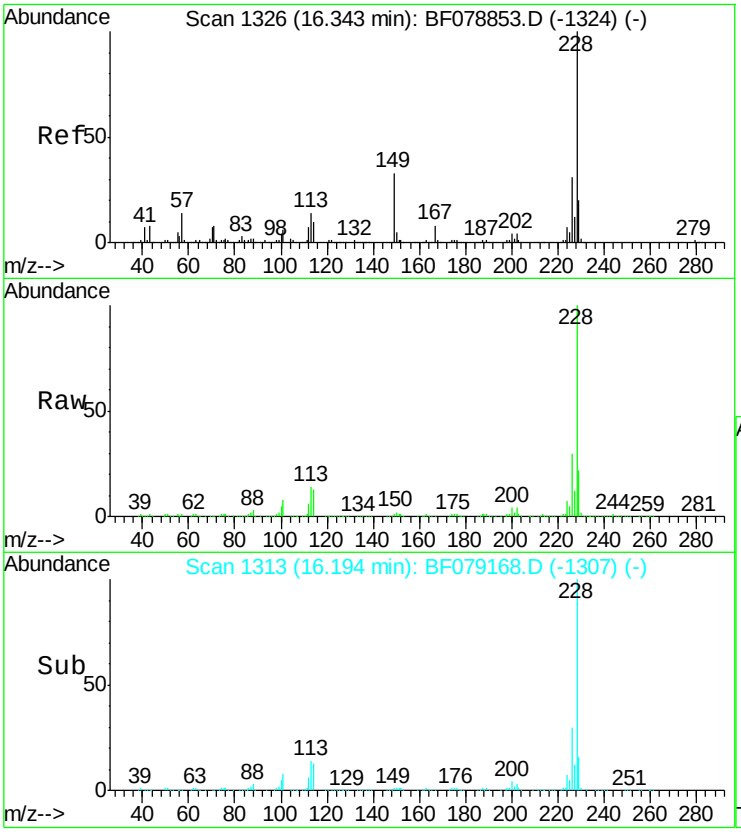


#80
Benzo(a)anthracene
Concen: 37.67 ng
RT: 16.15 min Scan# 1309
Delta R.T. -0.03 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:228 Resp: 451083

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	21.0	15.9	23.9



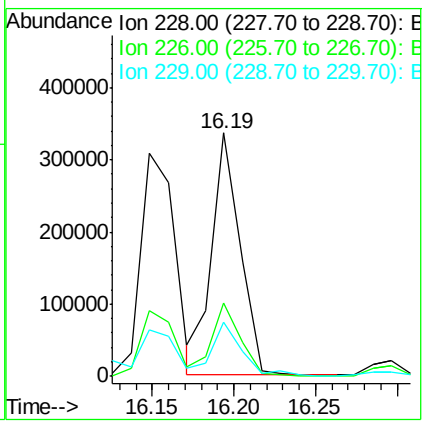


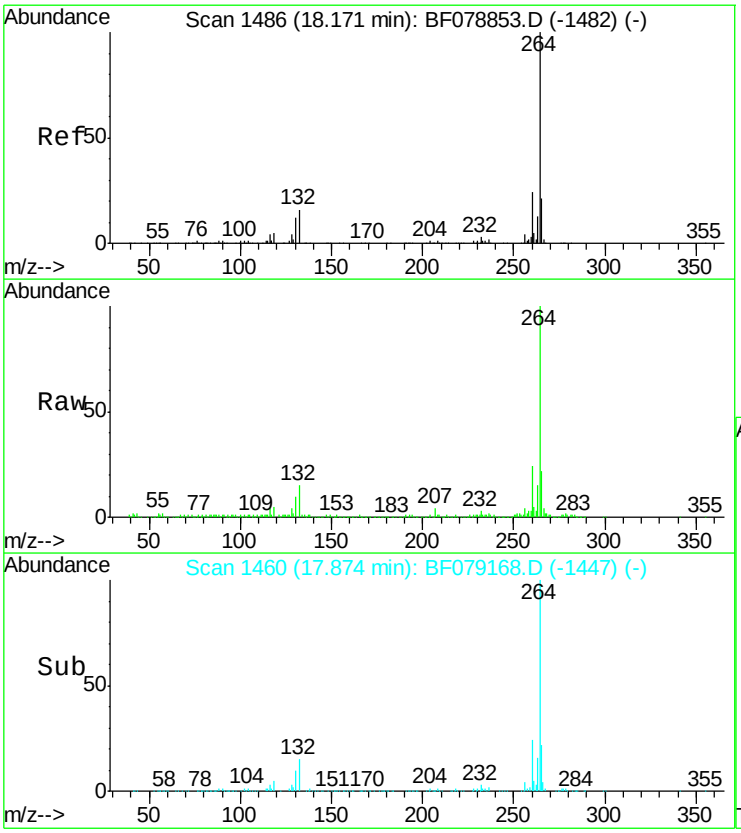
#82
Chrysene
Concen: 35.24 ng
RT: 16.19 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:228 Resp: 405928

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.2	16.0	24.0

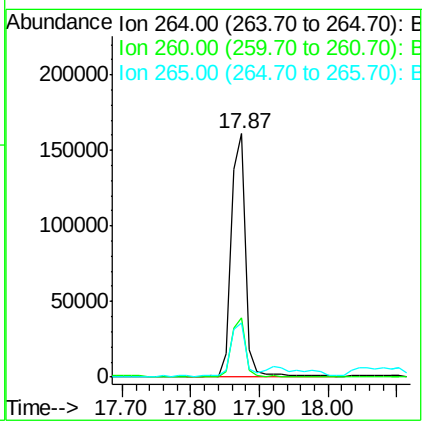


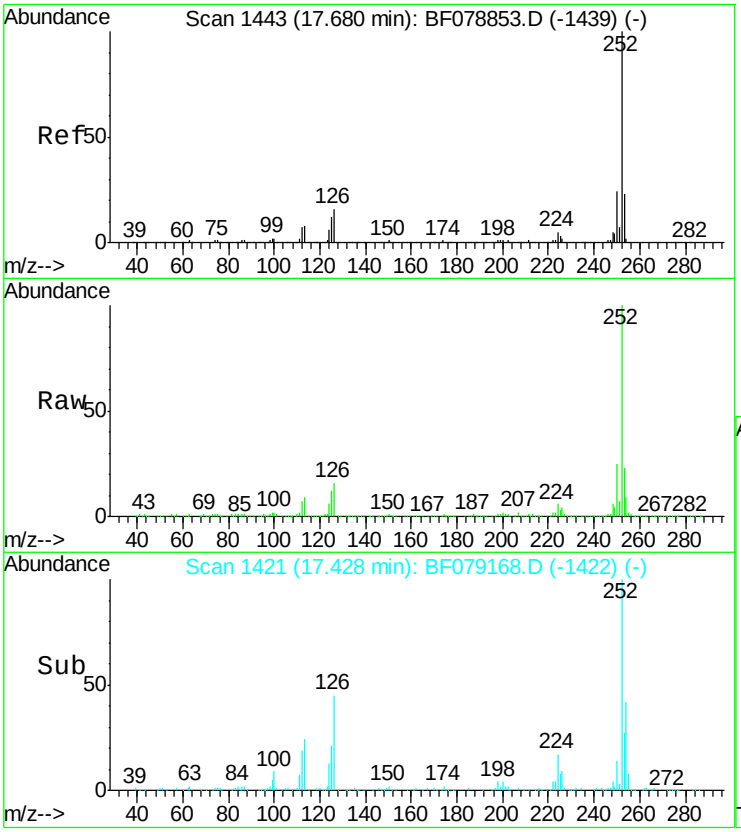


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.87 min Scan# 1460
Delta R.T. -0.15 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:264 Resp: 241867

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.2	18.3	27.5



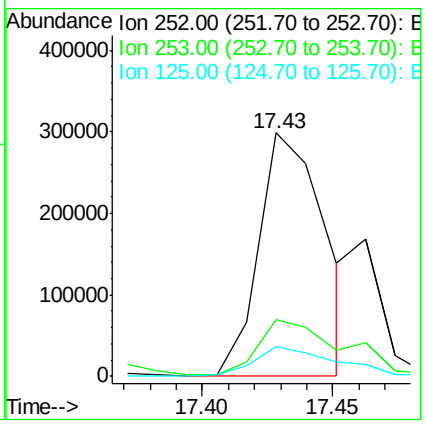


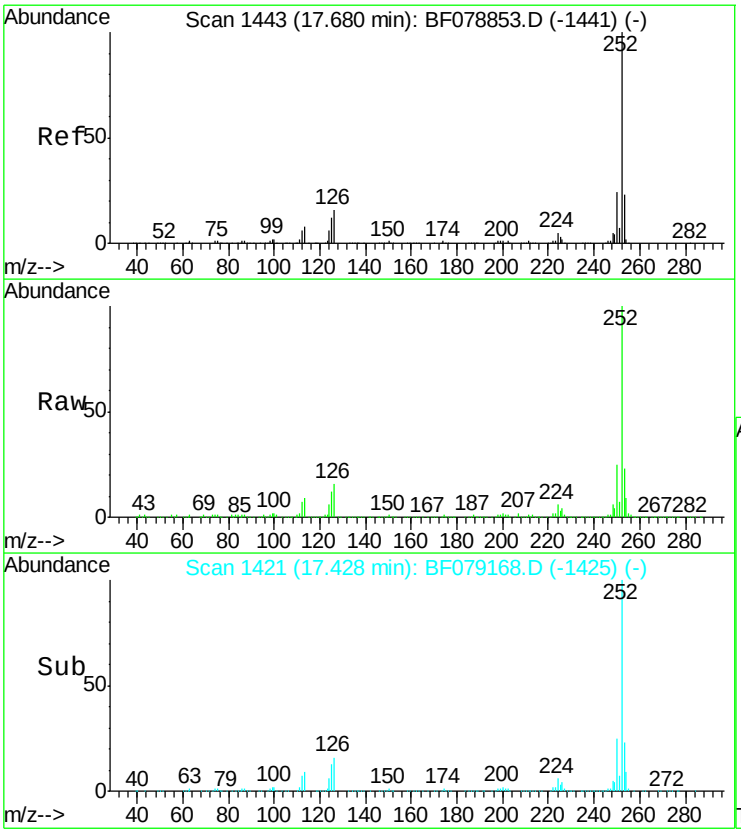
#87
Benzo(b)fluoranthene
Concen: 39.58 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.11 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:252 Resp: 523978

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	12.5	9.5	14.3

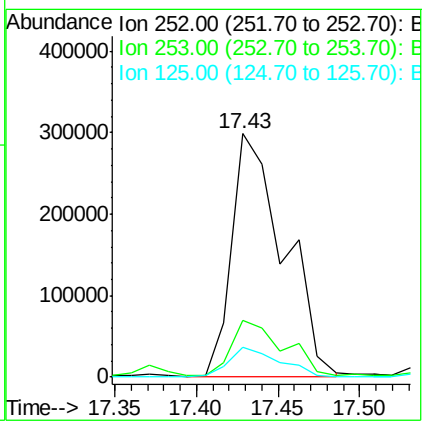


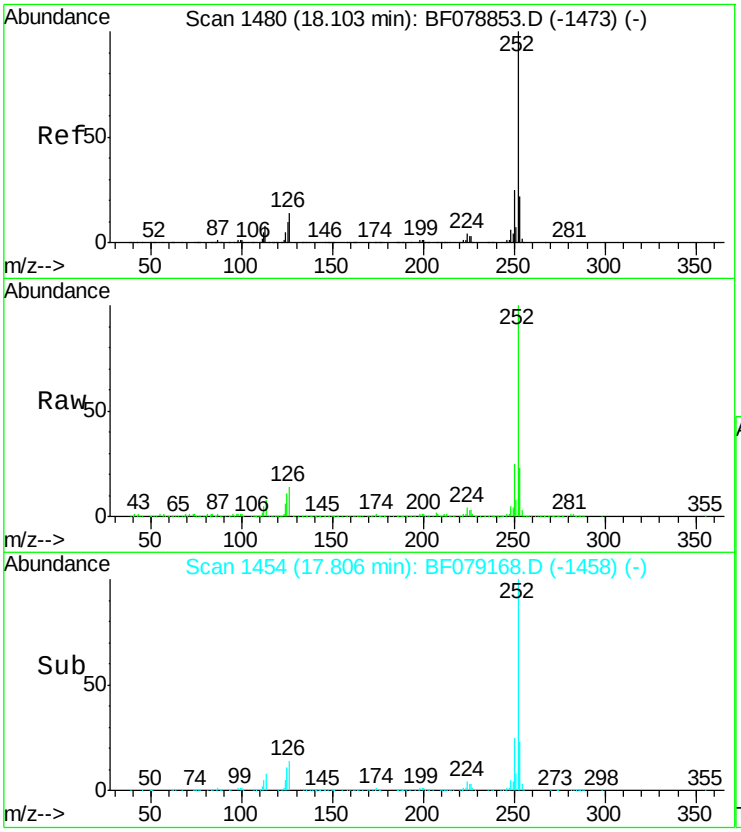


#88
Benzo(k)fluoranthene
Concen: 51.35 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.15 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:252 Resp: 658105

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.5	10.0	15.0



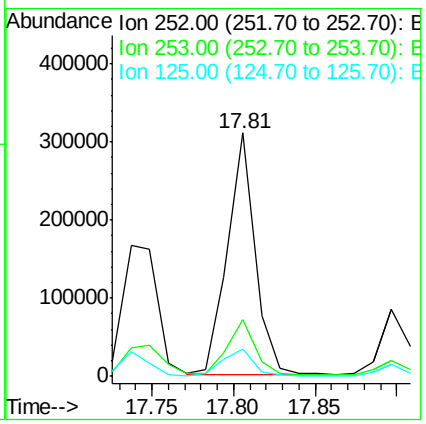


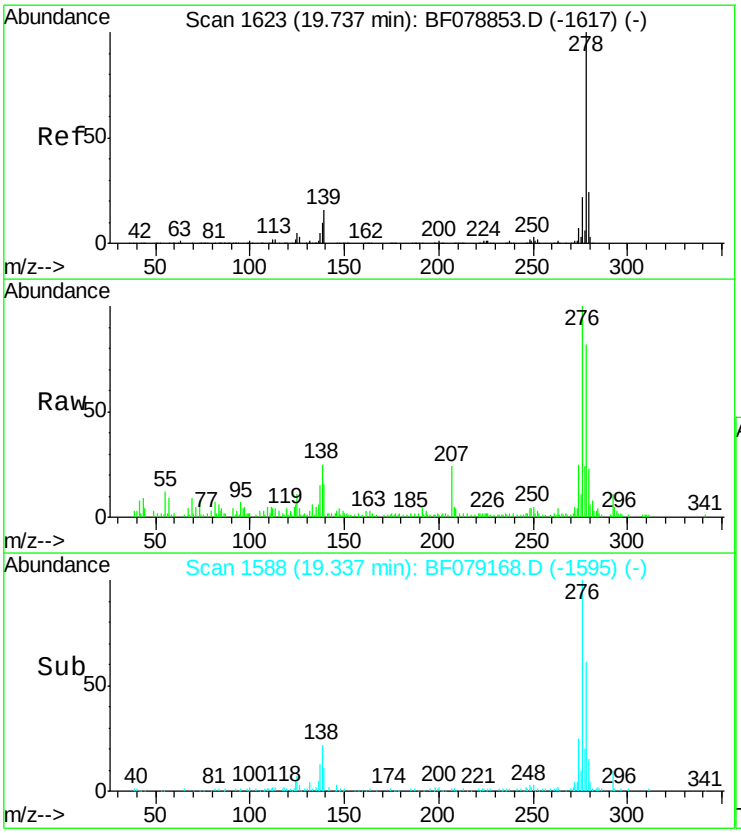
#89
Benzo(a)pyrene
Concen: 29.38 ng
RT: 17.81 min Scan# 1454
Delta R.T. -0.15 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:252 Resp: 358167

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	11.0	7.0	10.6#

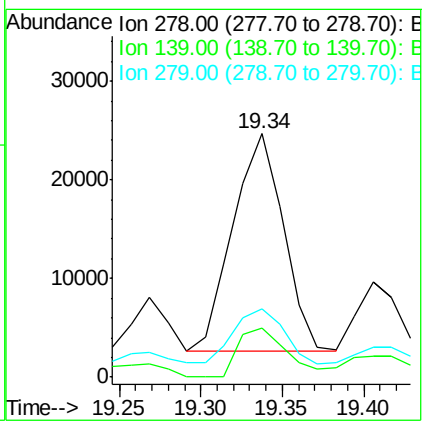


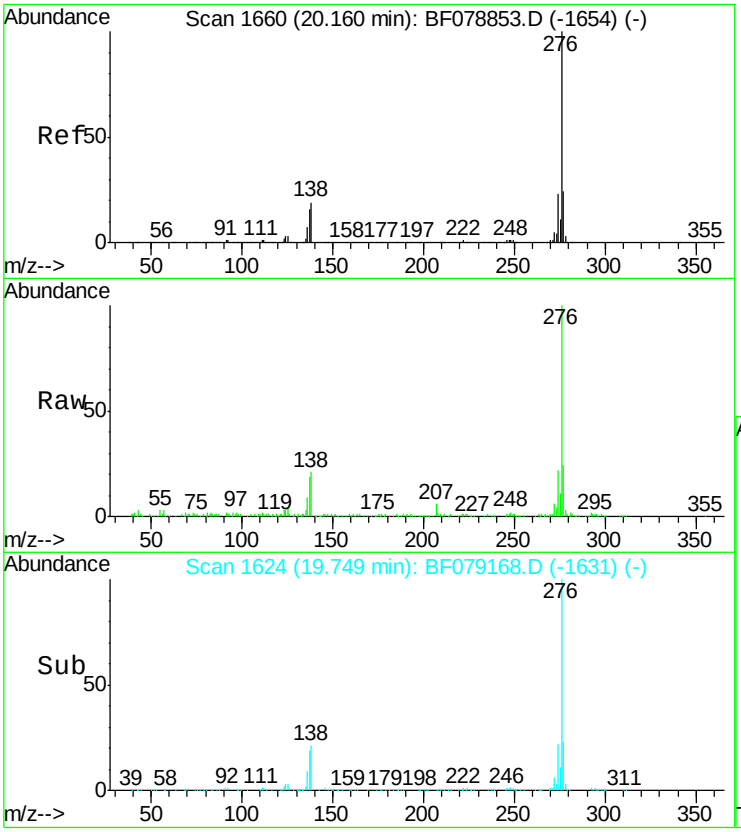


#90
Dibenzo(a,h)anthracene
Concen: 3.68 ng
RT: 19.34 min Scan# 1588
Delta R.T. -0.18 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Tgt Ion:278 Resp: 47624

Ion	Ratio	Lower	Upper
278	100		
139	20.1	12.8	19.2#
279	28.1	19.6	29.4





#91
Benzo(g,h,i)perylene
Concen: 16.71 ng
RT: 19.75 min Scan# 1624
Delta R.T. -0.18 min
Lab File: BF079168.D
Acq: 12 May 2015 20:14

Instrument :
BNA_F
ClientSampleId :
SB-48AS

Tgt Ion:276 Resp: 217012

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	21.4	17.4	26.0