Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079620.D
Acq On : 30 May 2015 23:33
Operator : TP/IZ
Sample : G2420-12 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PENRD8.6(5)

Quant Time: May 31 05:51:22 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 17:35:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	65536	20.00	ng		-0.02
21) Naphthalene-d8	8.51	136	261599	20.00	ng		-0.02
38) Acenaphthene-d10	10.67	164	125648	20.00	ng		-0.03
63) Phenanthrene-d10	12.51	188	238725	20.00	ng		-0.02
75) Chrysene-d12	15.78	240	257188	20.00	ng		-0.06
86) Perylene-d12	17.44	264	193167	20.00	ng		-0.23
System Monitoring Compounds							
5) 2-Fluorophenol	5.21	112	88288	23.37	ng		-0.02
7) Phenol-d6	6.54	99	112665	23.39	ng		-0.02
23) Nitrobenzene-d5	7.63	82	62852	13.89	ng		-0.03
41) 2,4,6-Tribromophenol	11.66	330	30688	22.24	ng		-0.03
44) 2-Fluorobiphenyl	9.86	172	116818	13.26	ng		-0.02
78) Terphenyl-d14	14.50	244	136055	12.42	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	1.66	88	61432	34.18	ng	#	100
51) Acenaphthene	10.71	154	29715	4.04	ng		99
54) Dibenzofuran	10.94	168	22637	2.09	ng		92
55) 4-Nitrophenol	10.94	139	8565	6.42	ng	#	12
57) Fluorene	11.36	166	30126	3.37	ng		98
70) Phenanthrene	12.54	178	564500	43.10	ng		99
71) Anthracene	12.61	178	95030	7.15	ng		99
72) Carbazole	12.82	167	69155	5.40	ng		97
73) Di-n-butylphthalate	13.28	149	2337	Below Cal		#	78
74) Fluoranthene	14.01	202	900644	64.13	ng		97
77) Pyrene	14.29	202	766249	48.09	ng		97
80) Benzo(a)anthracene	15.77	228	371752	25.13	ng		98
82) Chrysene	15.82	228	299169	21.27	ng		98
85) Indeno(1,2,3-cd)pyrene	19.07	276	215877	11.93	ng		96
87) Benzo(b)fluoranthene	17.03	252	599856	54.45	ng		98
88) Benzo(k)fluoranthene	17.03	252	599856	60.89	ng	#	97
89) Benzo(a)pyrene	17.38	252	311524	31.68	ng		99
91) Benzo(g,h,i)perylene	19.07	276	225924	21.85	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079620.D
Acq On : 30 May 2015 23:33
Operator : TP/IZ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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PENRD8.6(5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 17:35:14 2015
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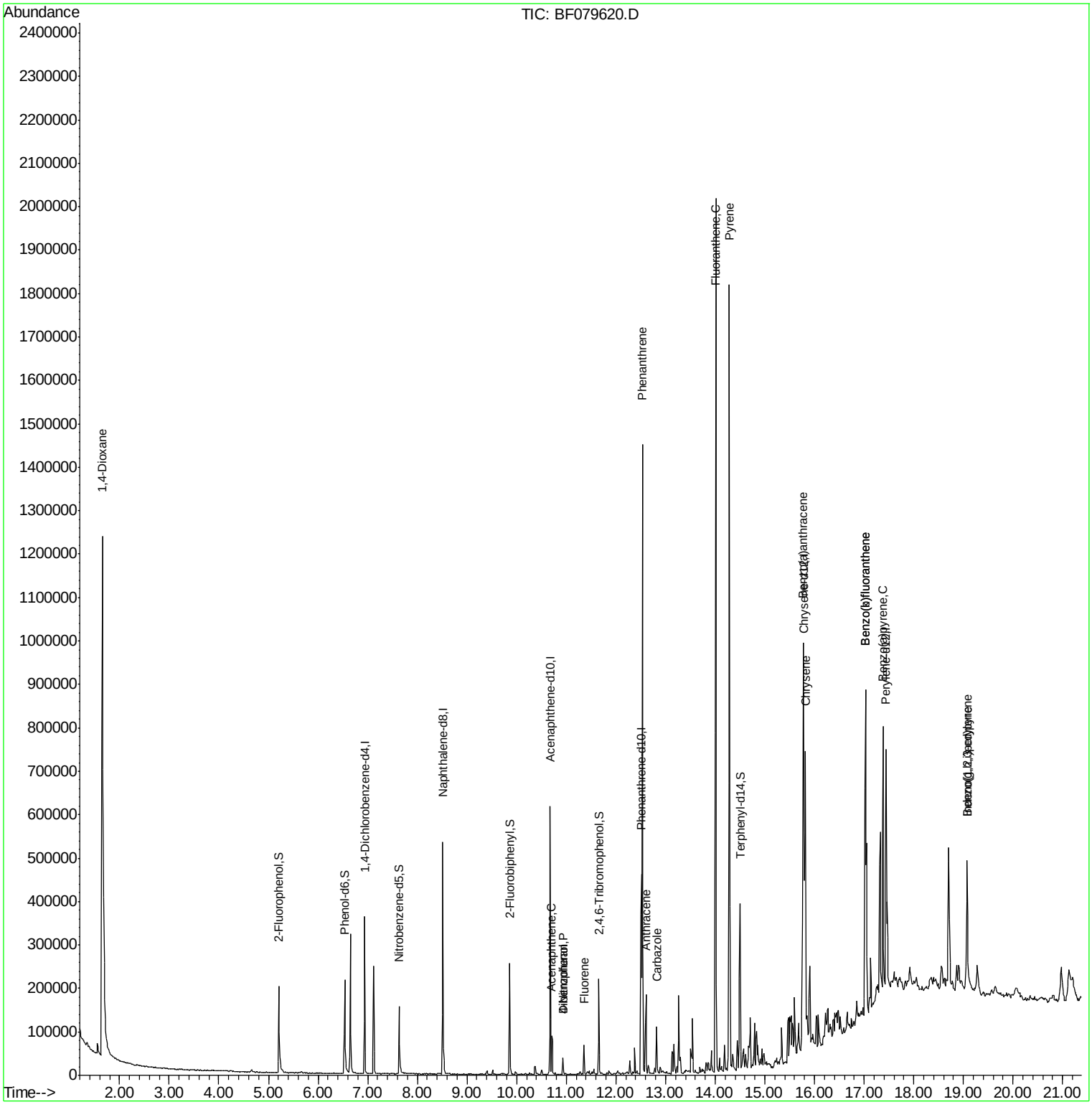
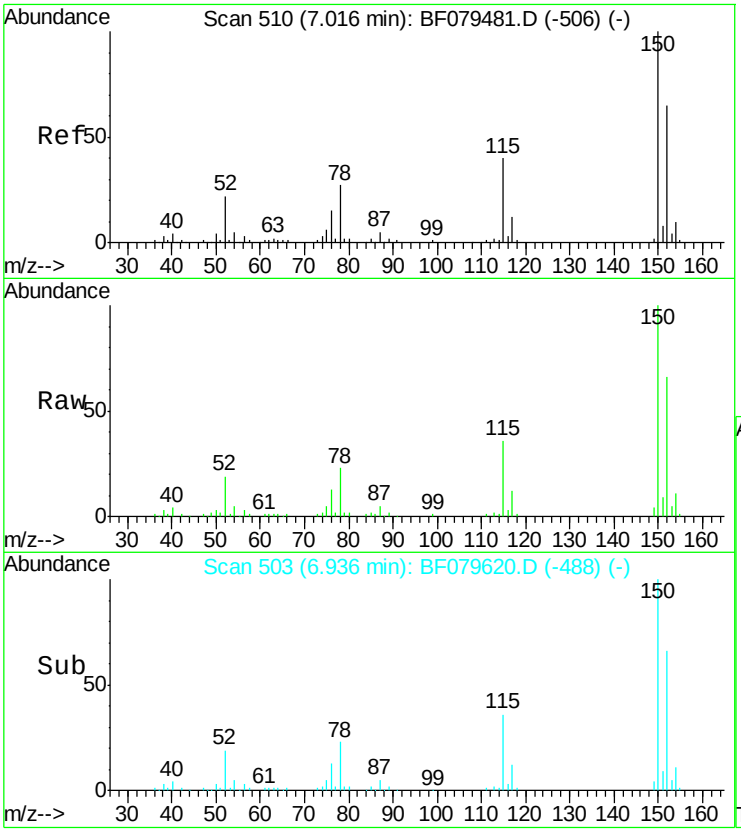


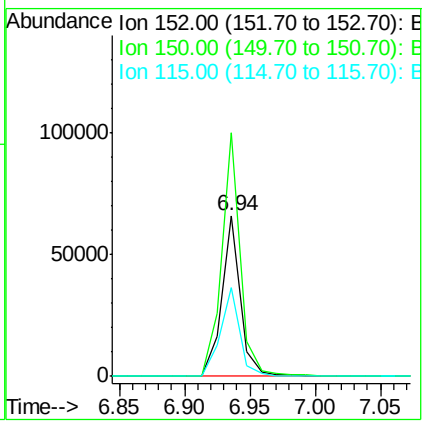


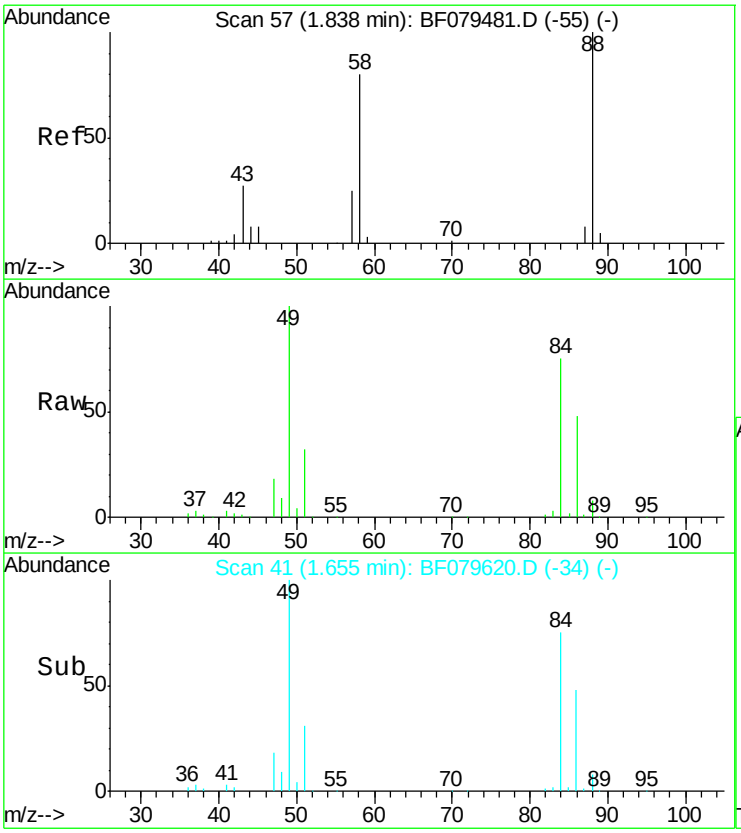
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:152 Resp: 65536

Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.0	186.0
115	54.8	49.6	74.4

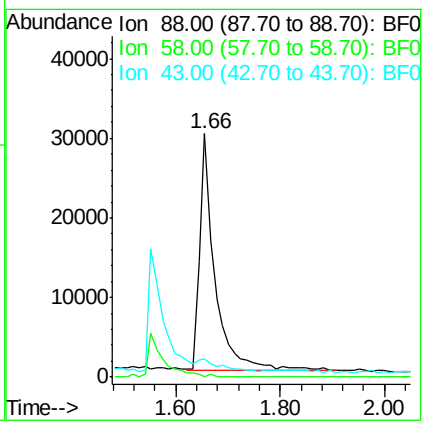


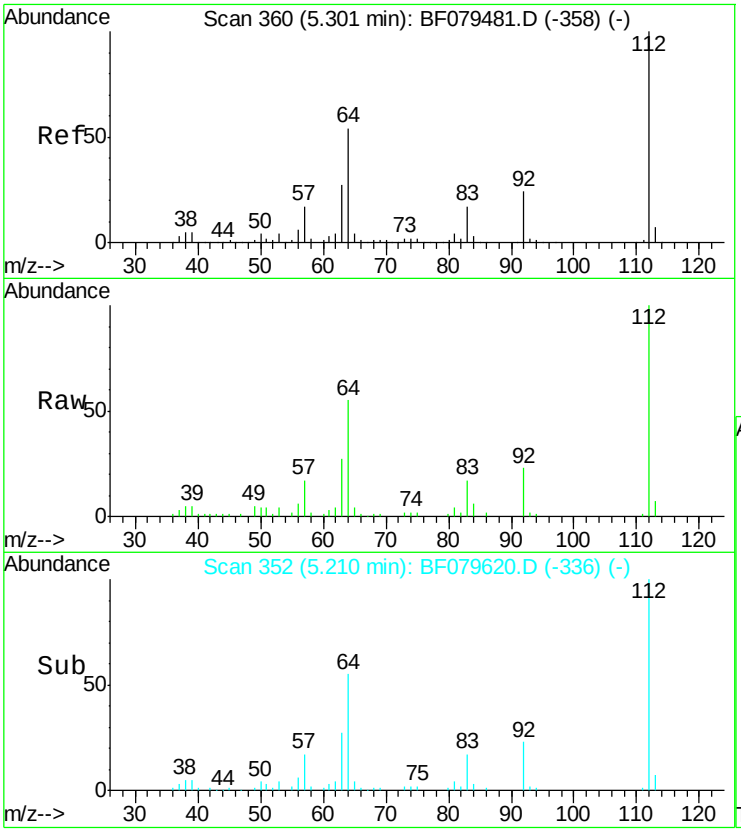


#2
1,4-Dioxane
Concen: 34.18 ng
RT: 1.66 min Scan# 41
Delta R.T. -0.11 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion: 88 Resp: 61432

Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0



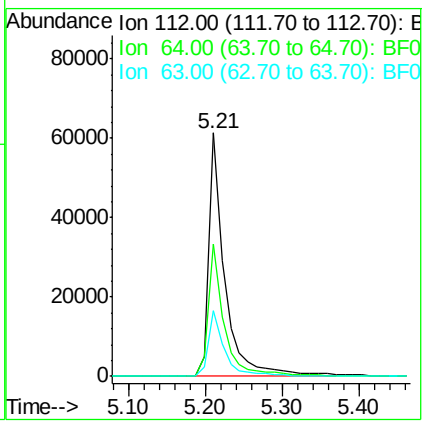


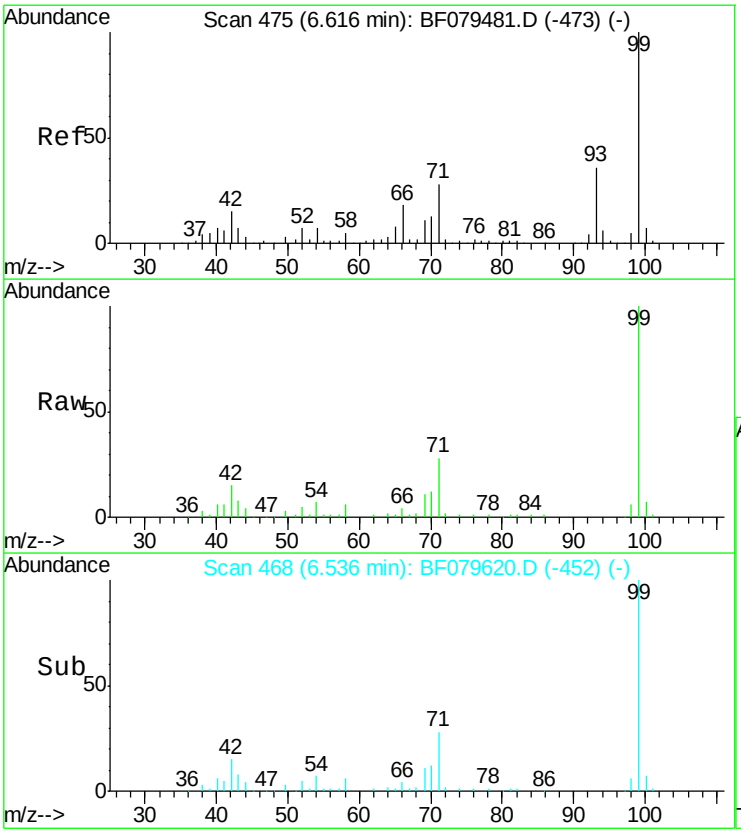
#5
2-Fluorophenol
Concen: 23.37 ng
RT: 5.21 min Scan# 352
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:112 Resp: 88288

Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.5	65.3
63	26.7	21.8	32.8

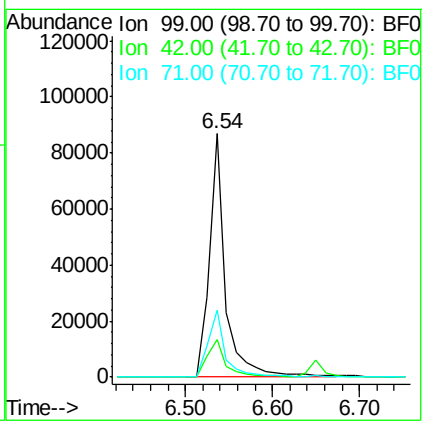


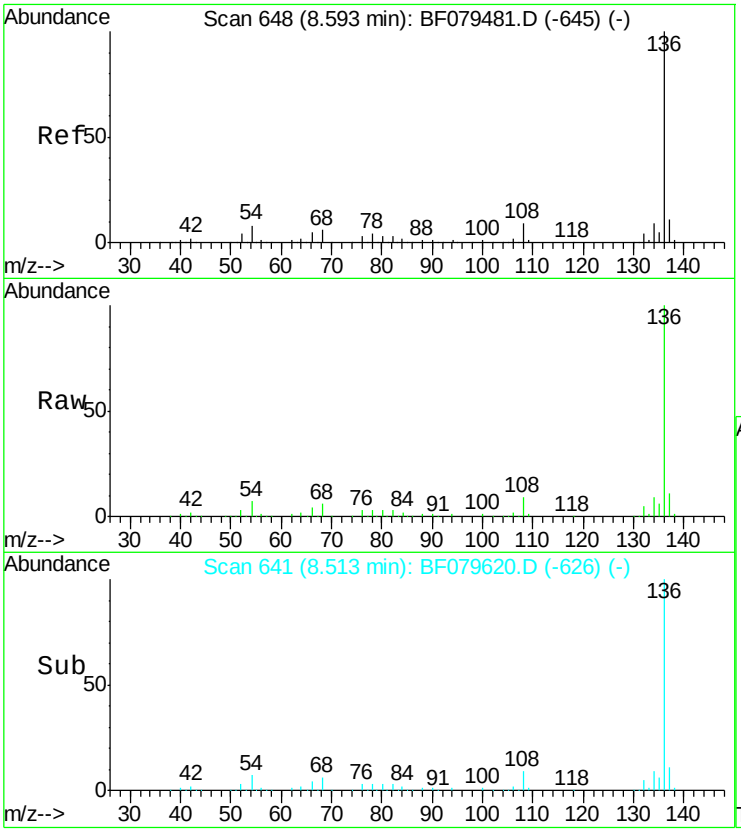


#7
Phenol-d6
Concen: 23.39 ng
RT: 6.54 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion: 99 Resp: 112665

Ion	Ratio	Lower	Upper
99	100		
42	15.2	11.9	17.9
71	27.7	22.1	33.1



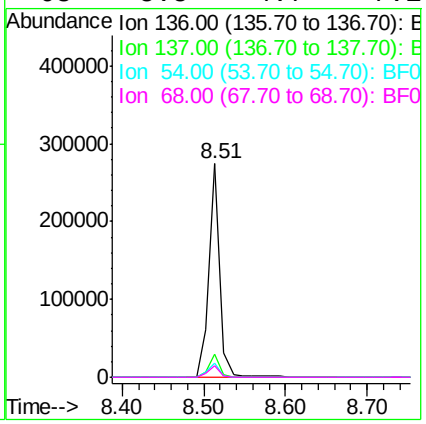


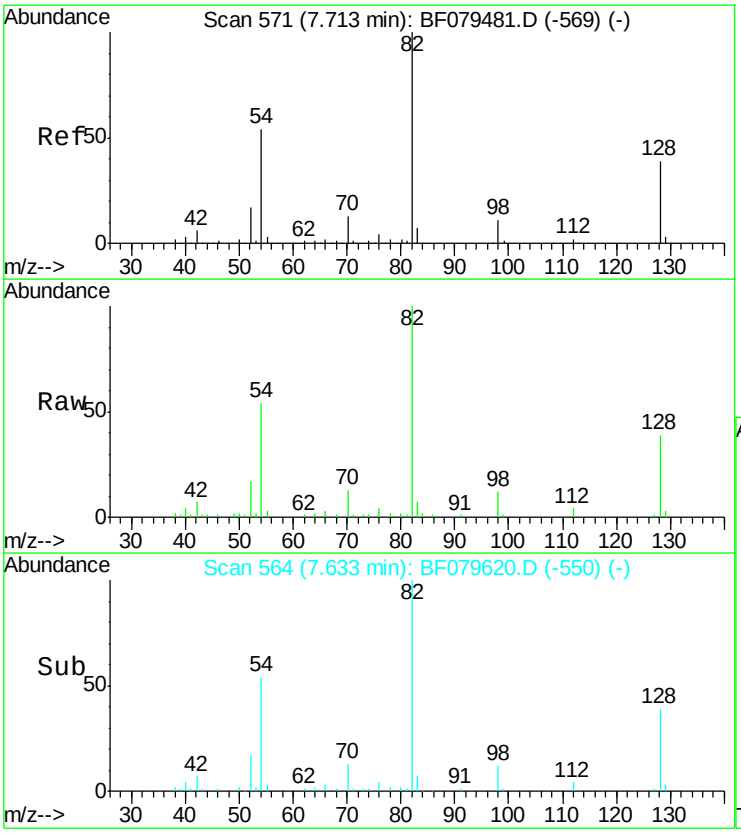
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:136 Resp: 261599

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.6	6.6	9.8
68	5.5	4.7	7.1

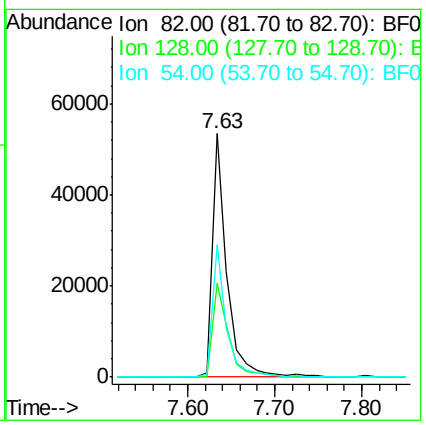


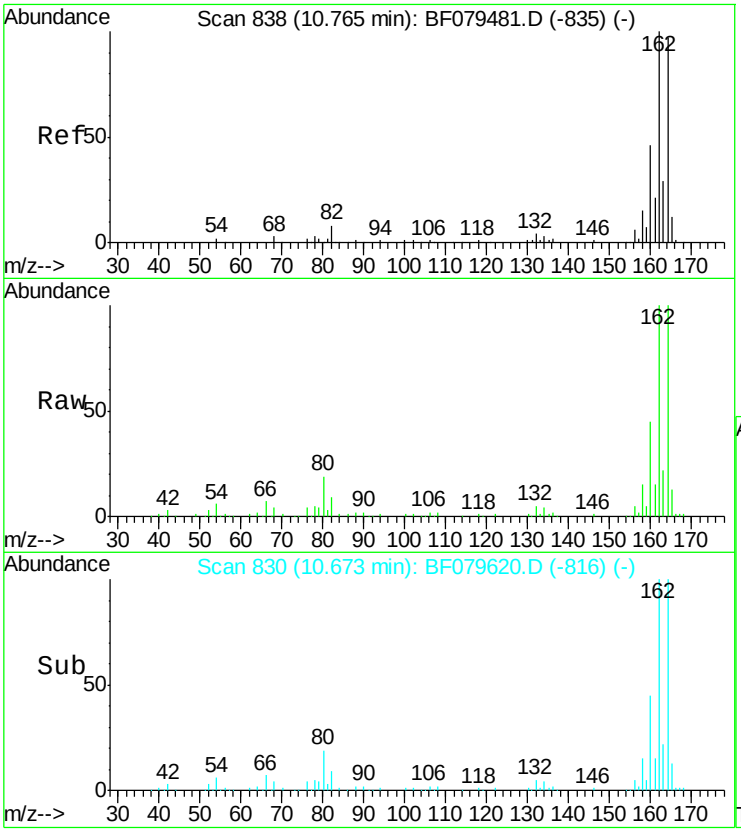


#23
Nitrobenzene-d5
Concen: 13.89 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion: 82 Resp: 62852

Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.8	46.2
54	54.2	42.8	64.2



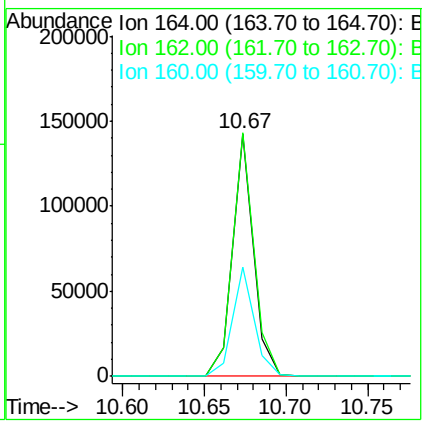


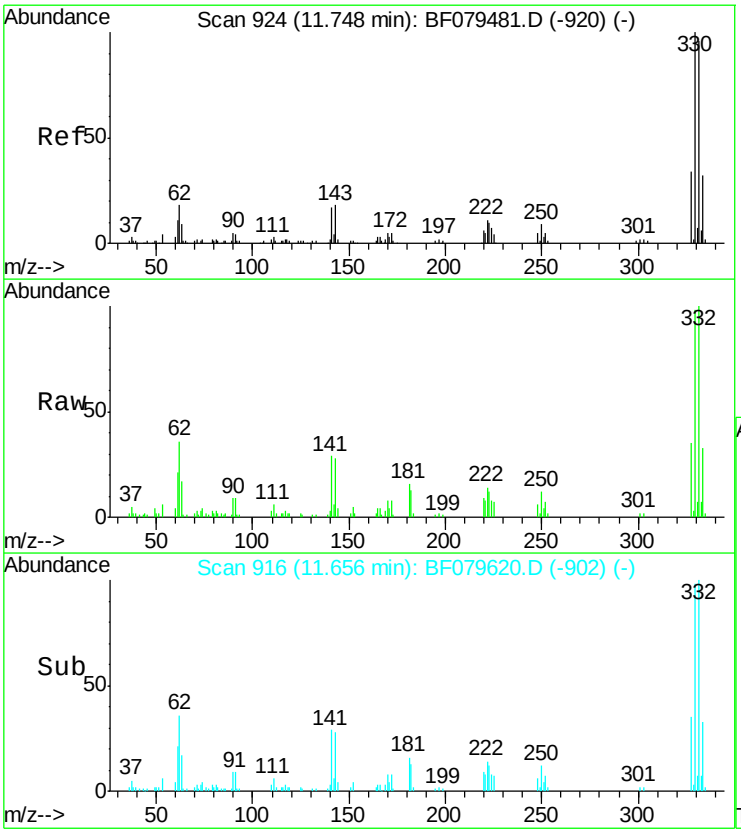
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.67 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:164 Resp: 125648

Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.6	124.0
160	45.3	37.7	56.5

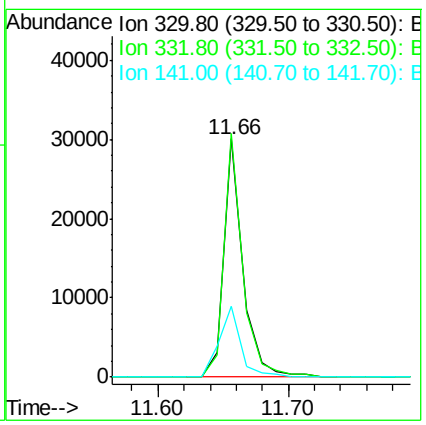


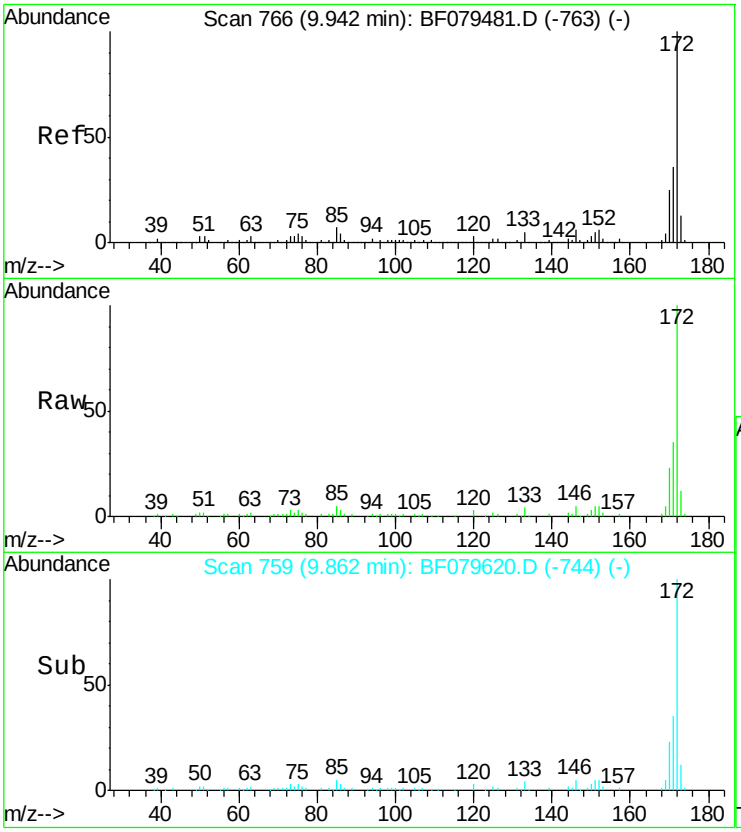


#41
2,4,6-Tribromophenol
Concen: 22.24 ng
RT: 11.66 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:330 Resp: 30688

Ion	Ratio	Lower	Upper
330	100		
332	100.4	0.0	0.0#
141	33.7	0.0	0.0#



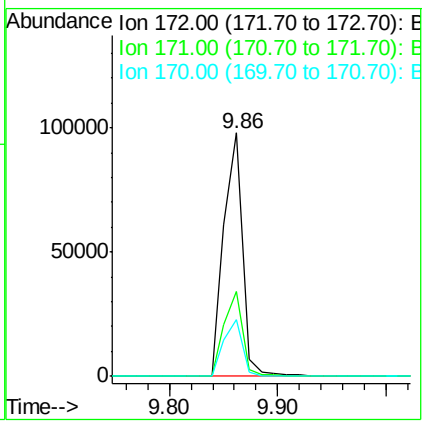


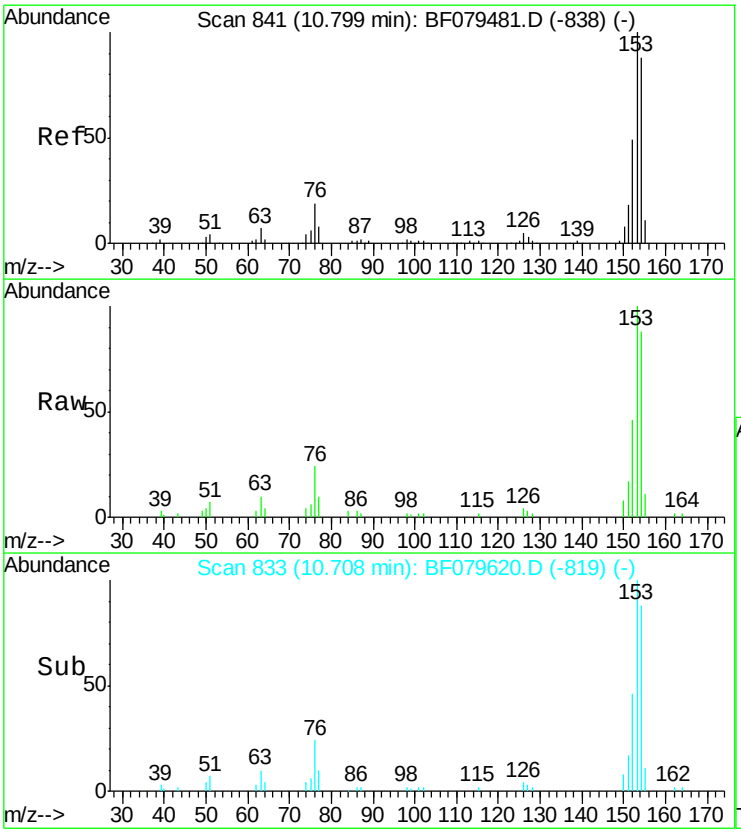
#44
2-Fluorobiphenyl
Concen: 13.26 ng
RT: 9.86 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:172 Resp: 116818

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.5	42.7
170	23.2	19.7	29.5

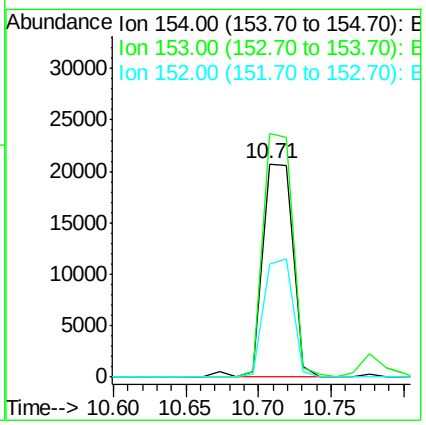


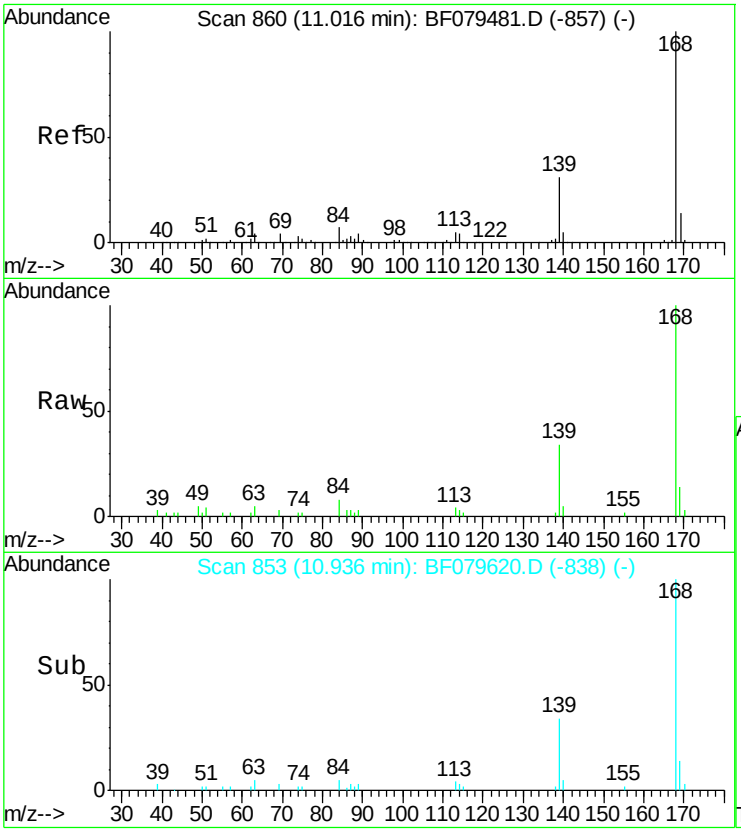


#51
Acenaphthene
Concen: 4.04 ng
RT: 10.71 min Scan# 833
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:154 Resp: 29715

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.1	136.7
152	52.7	44.6	66.8



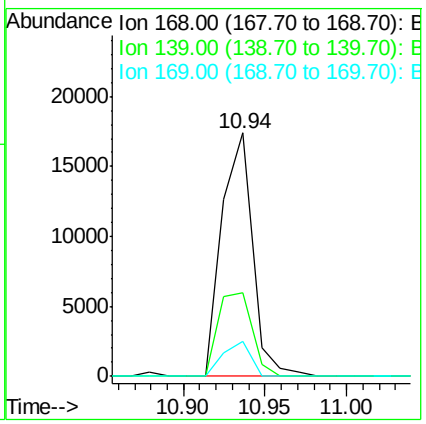


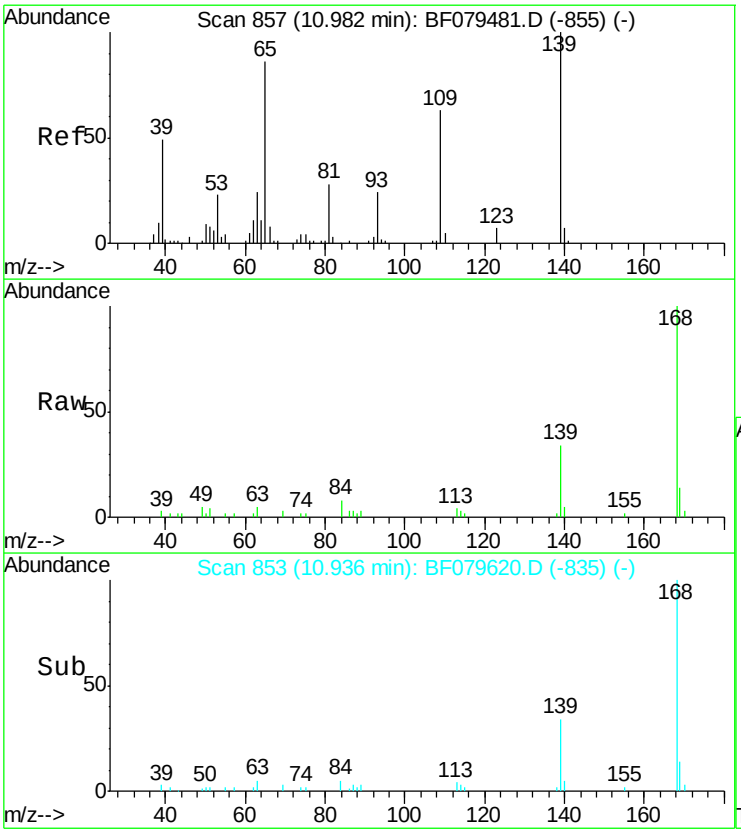
#54
Dibenzofuran
Concen: 2.09 ng
RT: 10.94 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:168 Resp: 22637

Ion	Ratio	Lower	Upper
168	100		
139	34.3	32.9	49.3
169	14.1	11.1	16.7

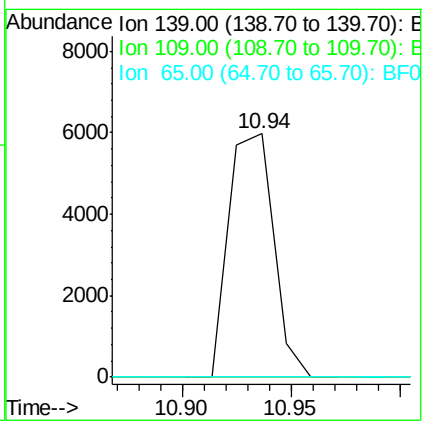


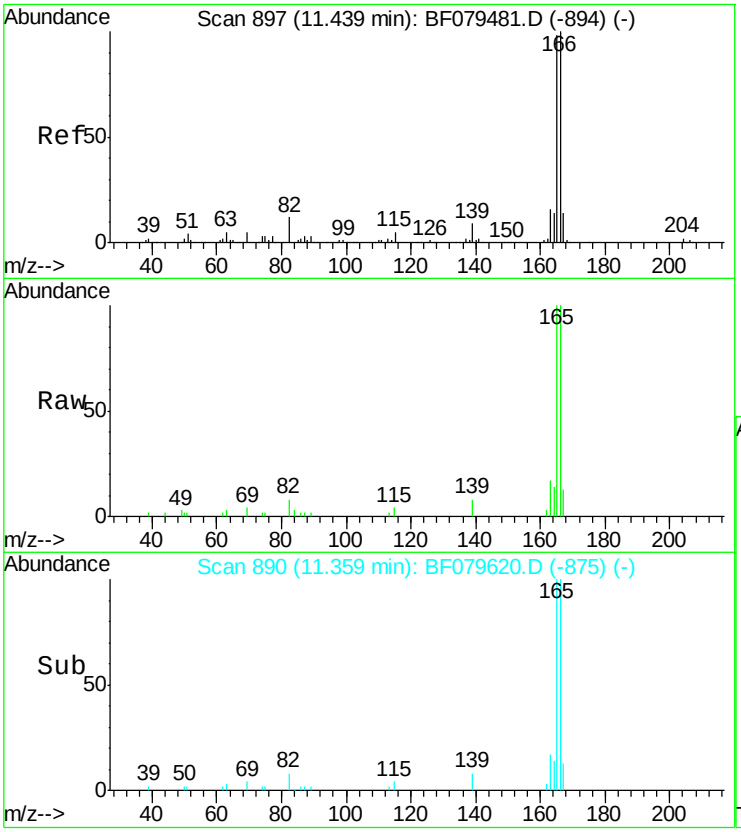


#55
4-Nitrophenol
Concen: 6.42 ng
RT: 10.94 min Scan# 853
Delta R.T. 0.01 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:139 Resp: 8565

Ion	Ratio	Lower	Upper
139	100		
109	0.0	42.8	82.8#
65	0.0	66.3	106.3#



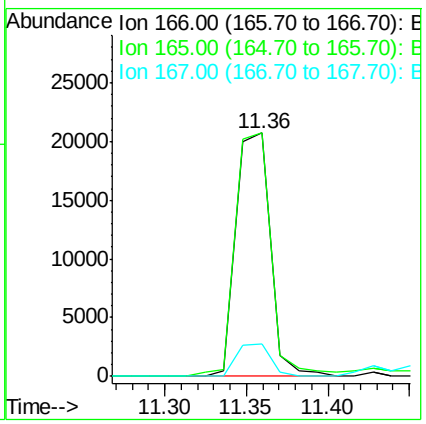


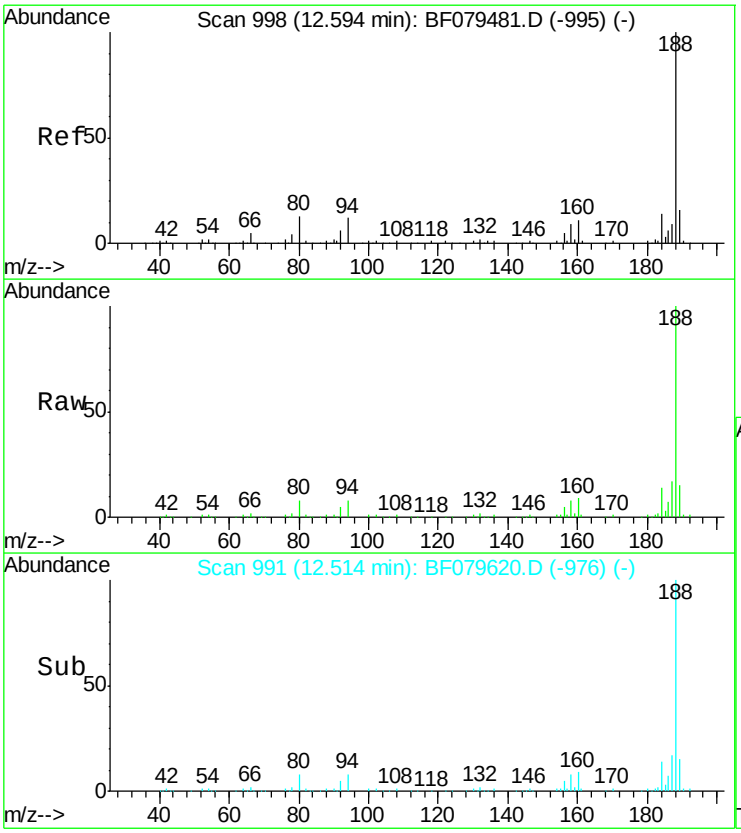
#57
Fluorene
Concen: 3.37 ng
RT: 11.36 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:166 Resp: 30126

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.6	117.8
167	13.5	10.8	16.2

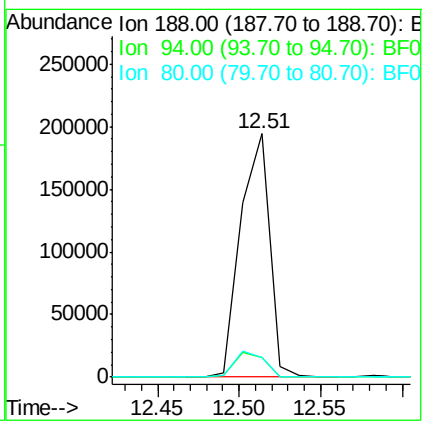


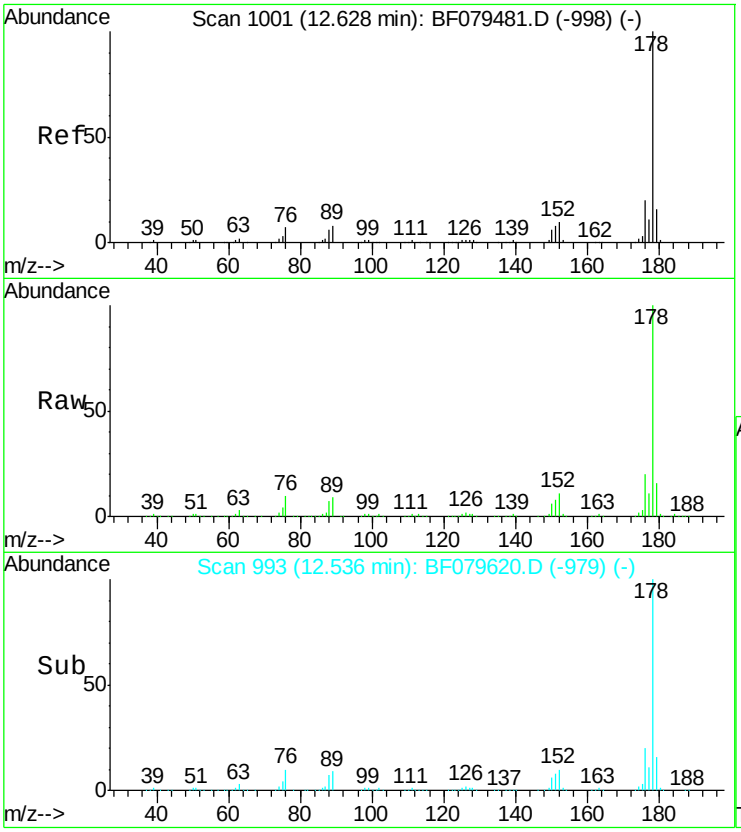


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.51 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:188 Resp: 238725

Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.8	14.6#
80	7.8	10.5	15.7#

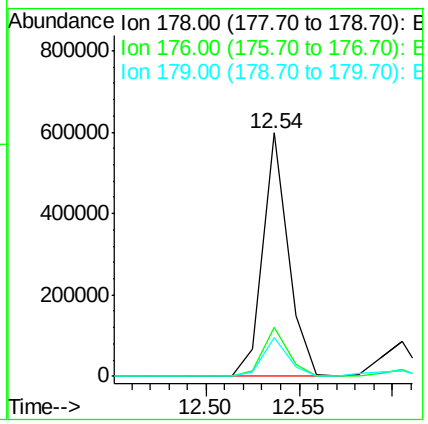




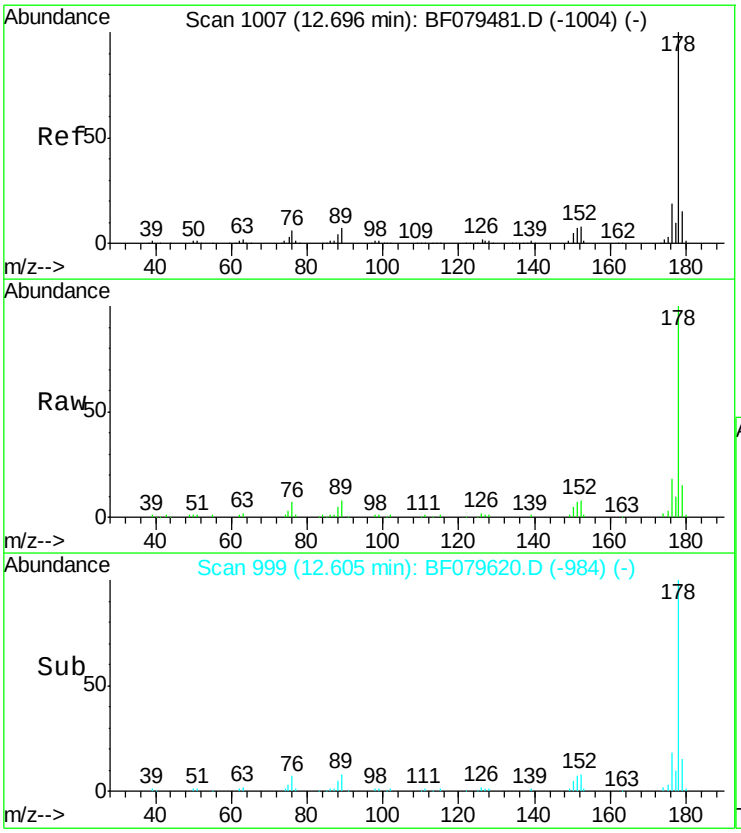
#70
Phenanthrene
Concen: 43.10 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:178 Resp: 564500

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.7	23.5
179	15.9	12.4	18.6



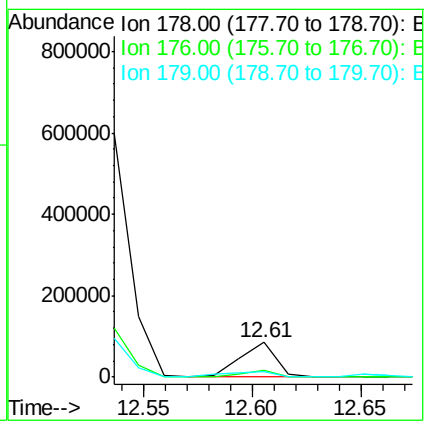
Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

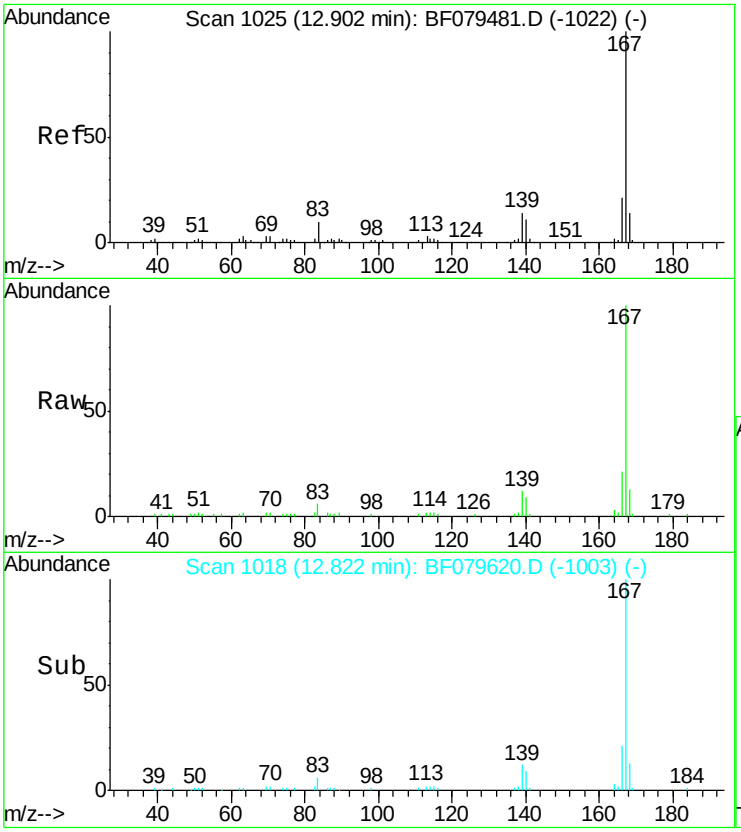


#71
Anthracene
Concen: 7.15 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:178 Resp: 95030

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.1	12.2	18.4



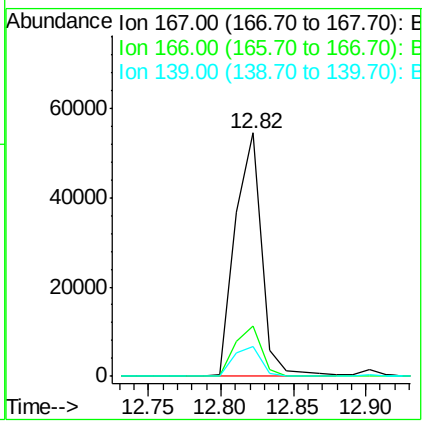


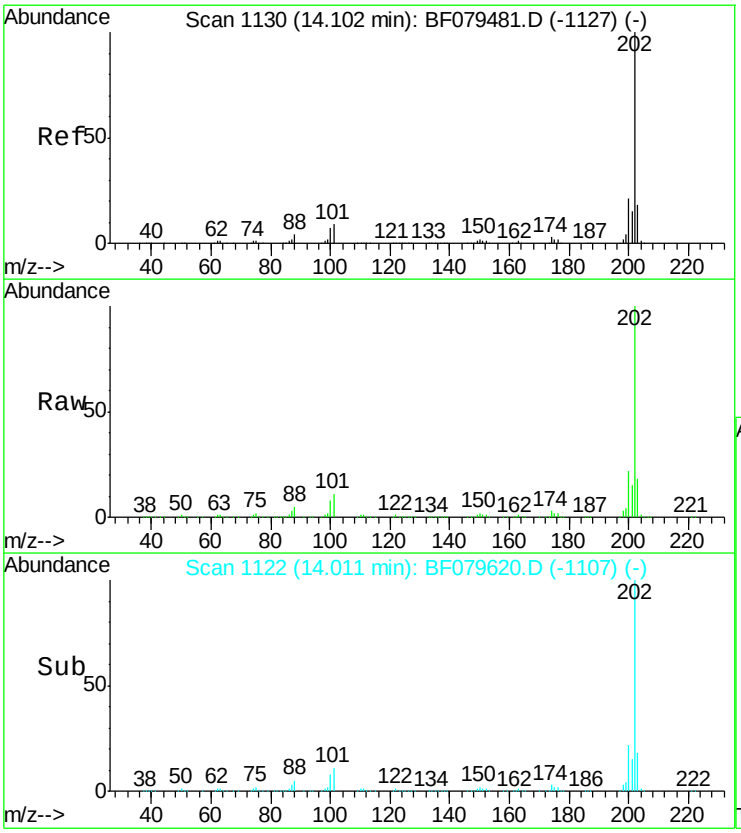
#72
Carbazole
Concen: 5.40 ng
RT: 12.82 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:167 Resp: 69155

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.4
139	12.0	11.2	16.8

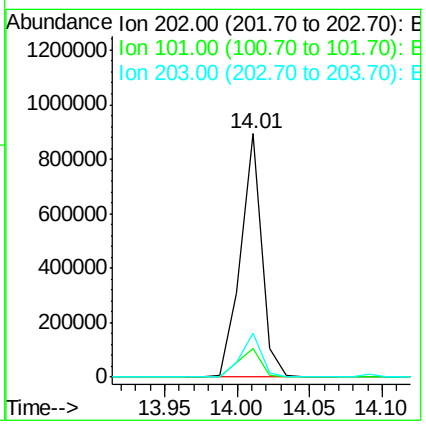


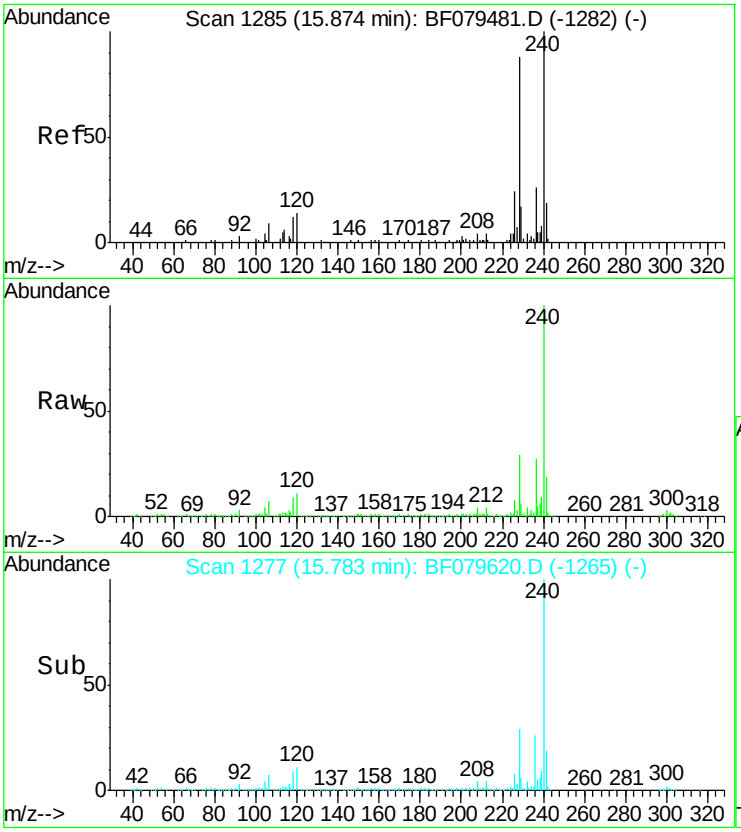


#74
Fluoranthene
Concen: 64.13 ng
RT: 14.01 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:202 Resp: 900644

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	29.3
203	18.1	0.0	37.6



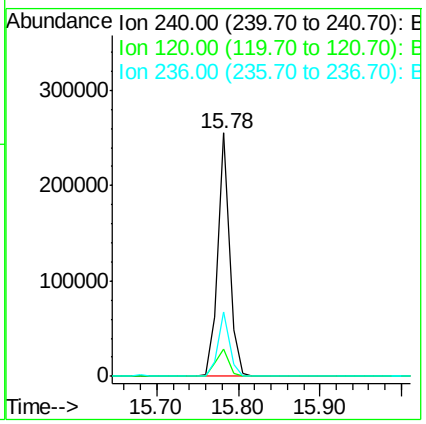


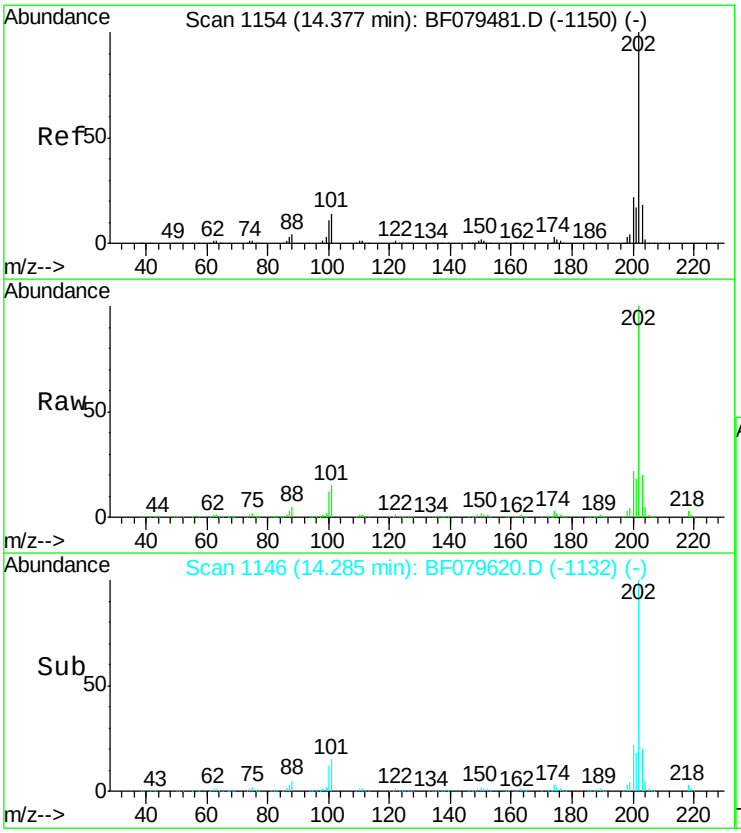
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.78 min Scan# 1277
Delta R.T. -0.06 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:240 Resp: 257188

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.8	16.2
236	26.6	21.0	31.6

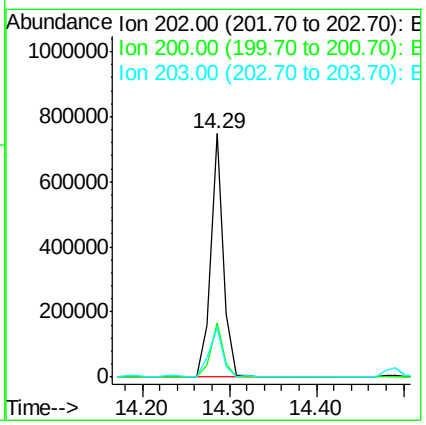


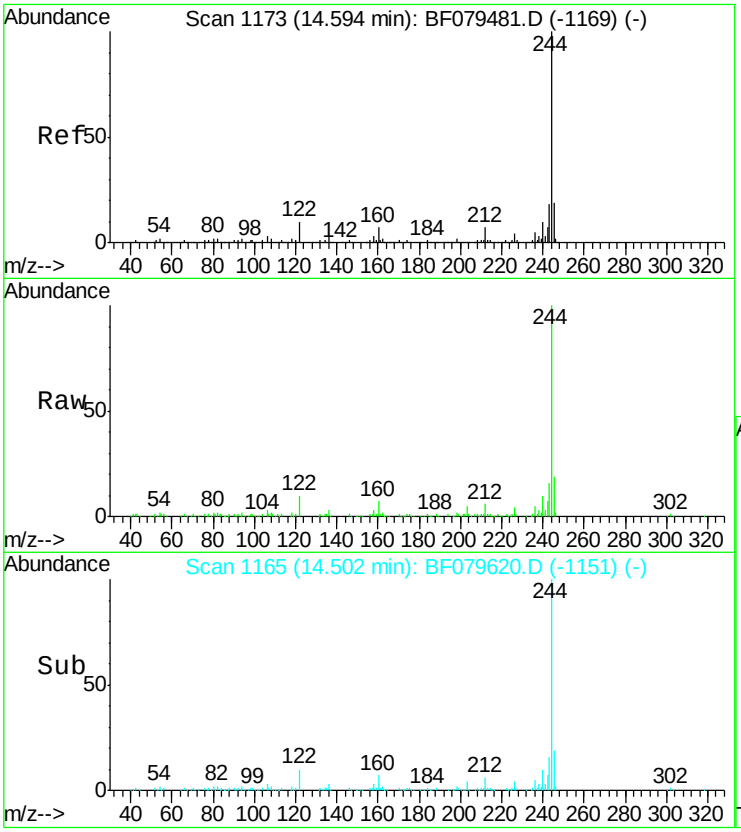


#77
Pyrene
Concen: 48.09 ng
RT: 14.29 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:202 Resp: 766249

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.5	26.3
203	20.1	14.4	21.6



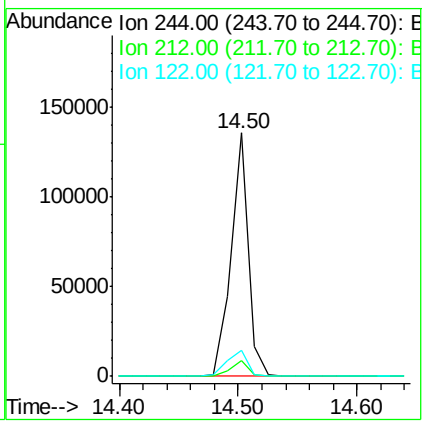


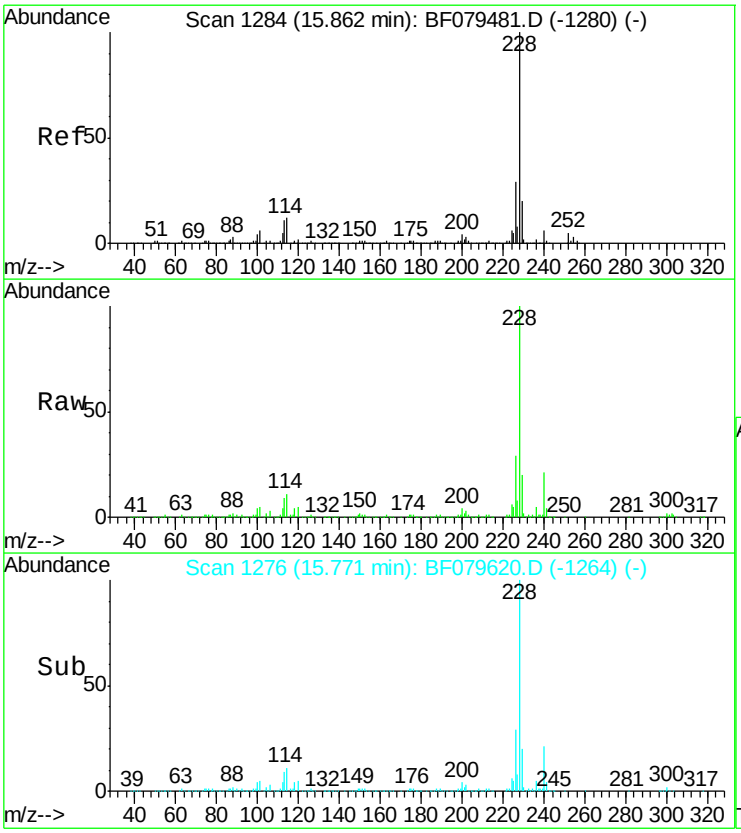
#78
Terphenyl-d14
Concen: 12.42 ng
RT: 14.50 min Scan# 1165
Delta R.T. -0.03 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:244 Resp: 136055

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	10.5	8.0	12.0

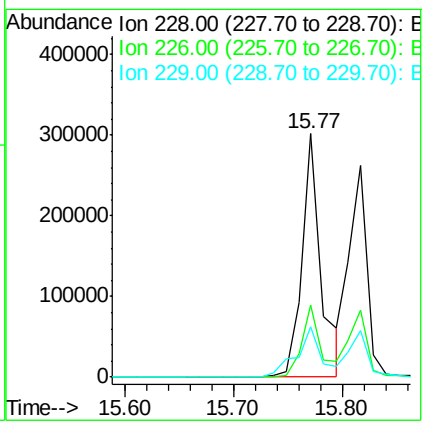


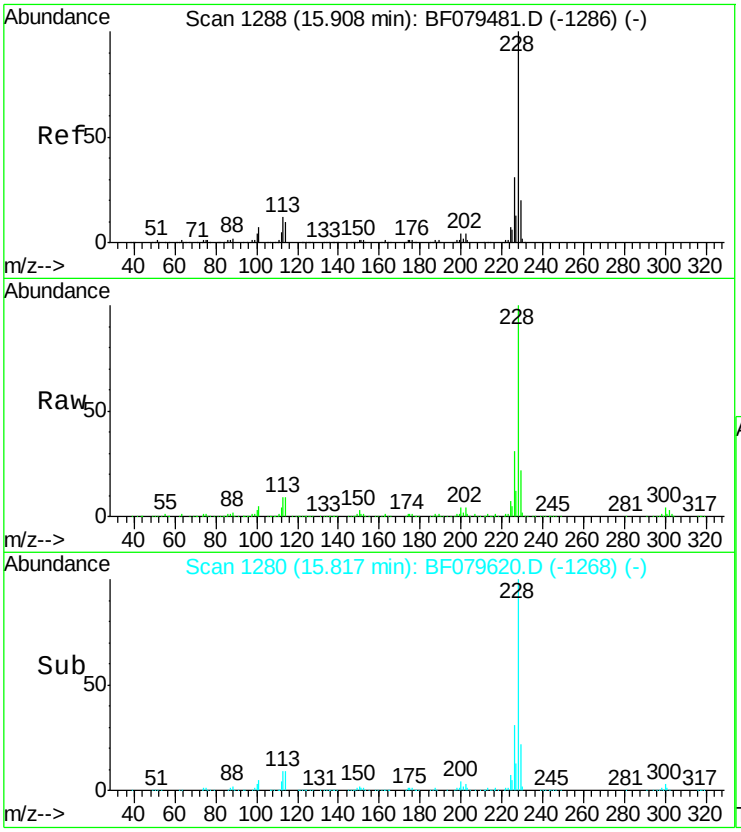


#80
Benzo(a)anthracene
Concen: 25.13 ng
RT: 15.77 min Scan# 1276
Delta R.T. -0.06 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:228 Resp: 371752

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.8	34.2
229	20.5	15.9	23.9



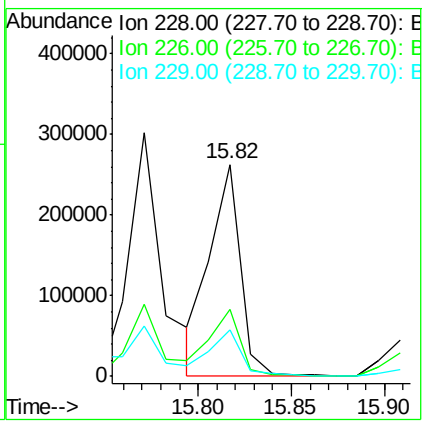


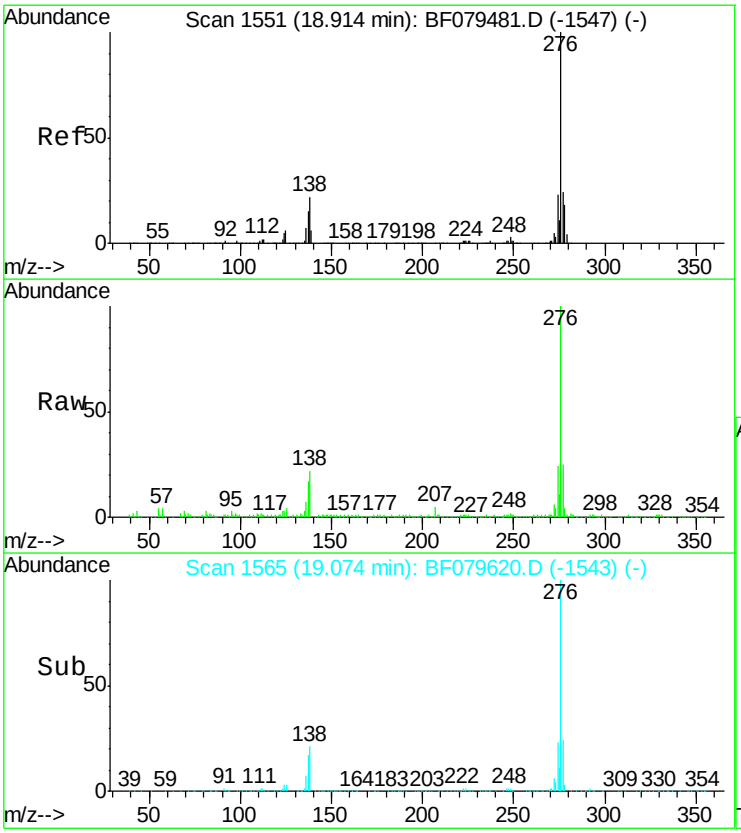
#82
Chrysene
Concen: 21.27 ng
RT: 15.82 min Scan# 1280
Delta R.T. -0.06 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:228 Resp: 299169

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	22.0	15.9	23.9

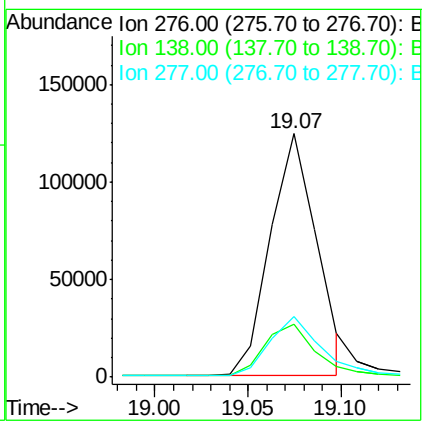


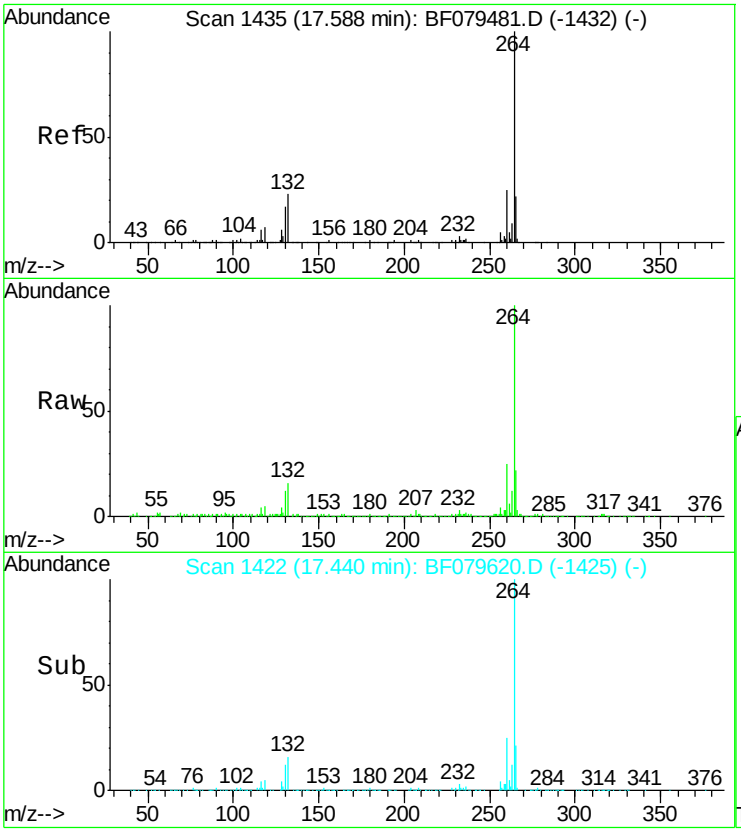


#85
Indeno(1,2,3-cd)pyrene
Concen: 11.93 ng
RT: 19.07 min Scan# 1565
Delta R.T. 0.06 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:276 Resp: 215877

Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.4	32.2
277	25.1	19.8	29.6



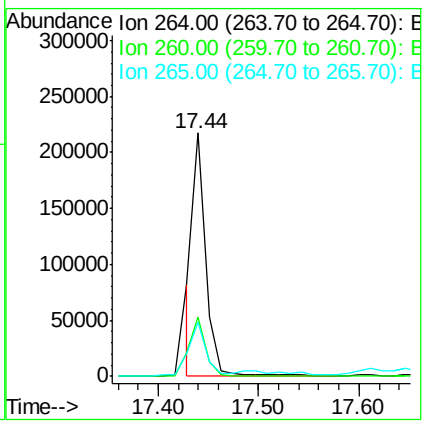


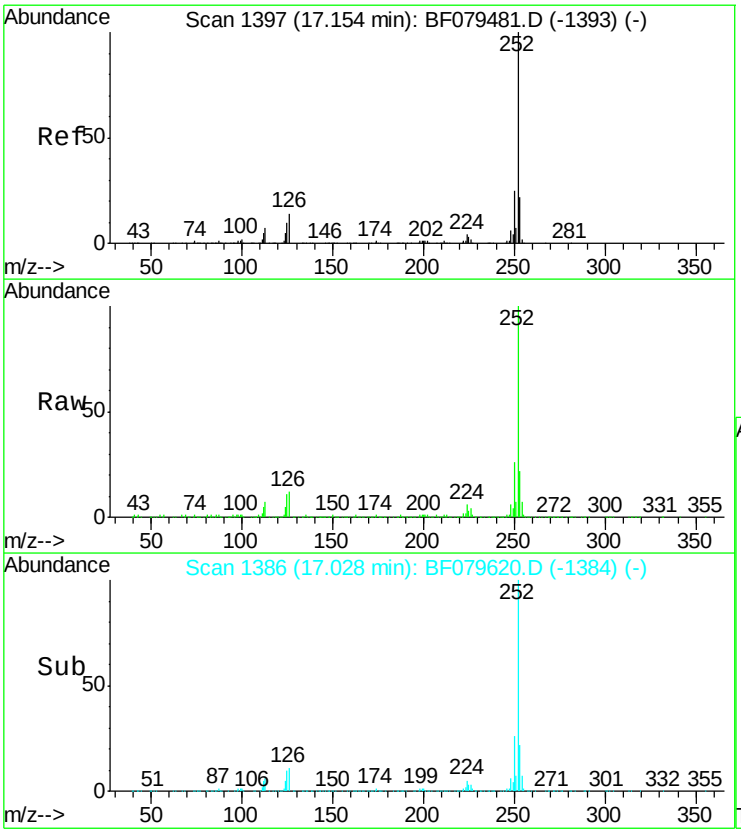
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.23 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:264 Resp: 193167

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	22.4	17.8	26.6

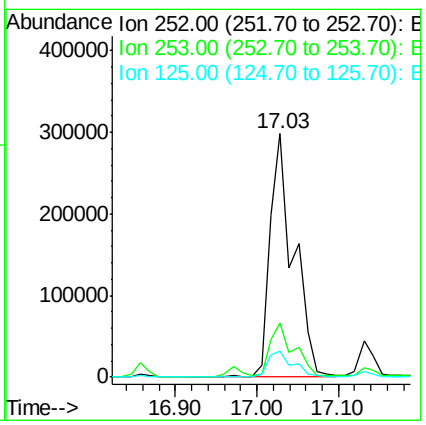


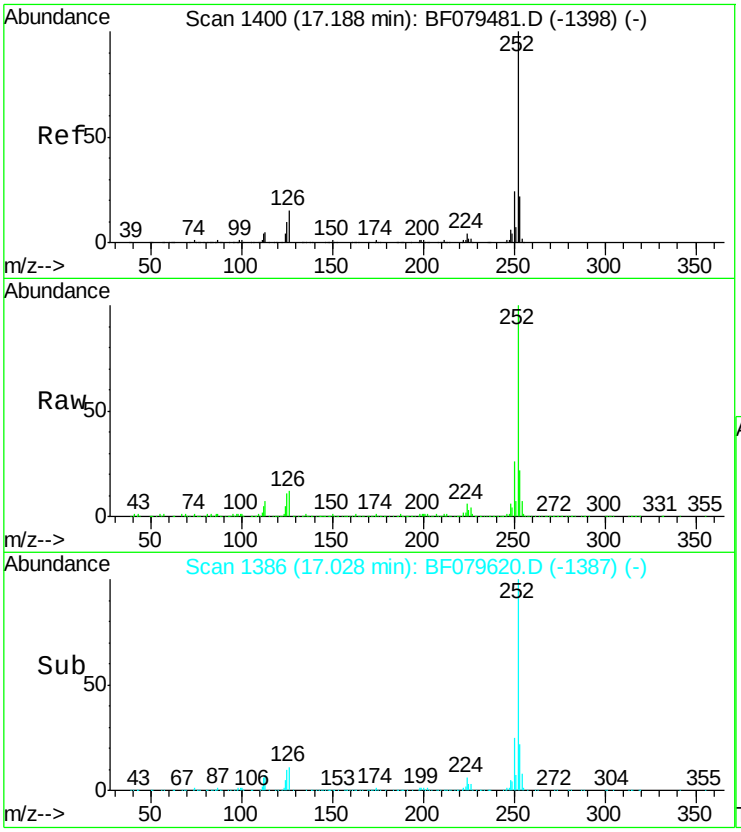


#87
Benzo(b)fluoranthene
Concen: 54.45 ng
RT: 17.03 min Scan# 1386
Delta R.T. -0.17 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:252 Resp: 599856

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	10.8	7.8	11.6



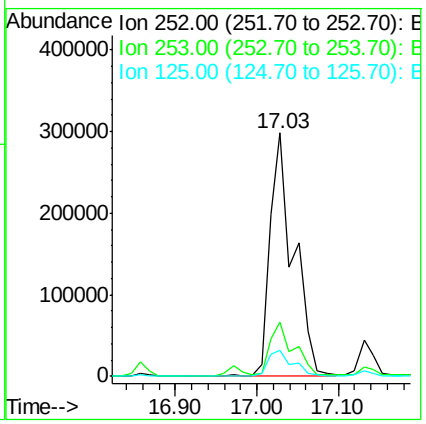


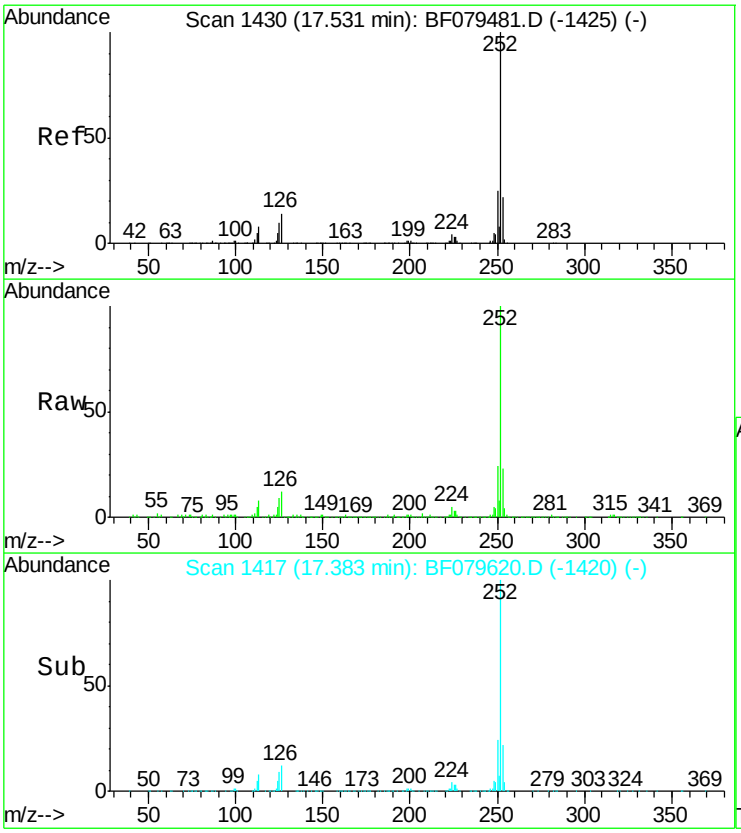
#88
Benzo(k)fluoranthene
Concen: 60.89 ng
RT: 17.03 min Scan# 1386
Delta R.T. -0.21 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:252 Resp: 599856

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	10.8	6.8	10.2#

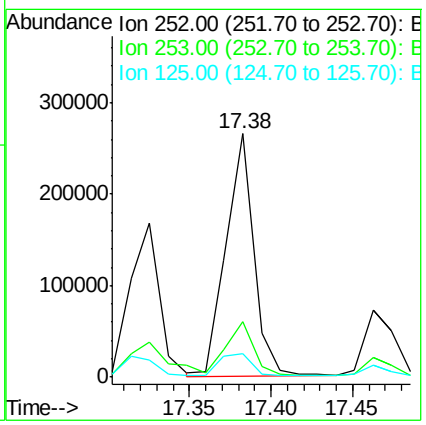


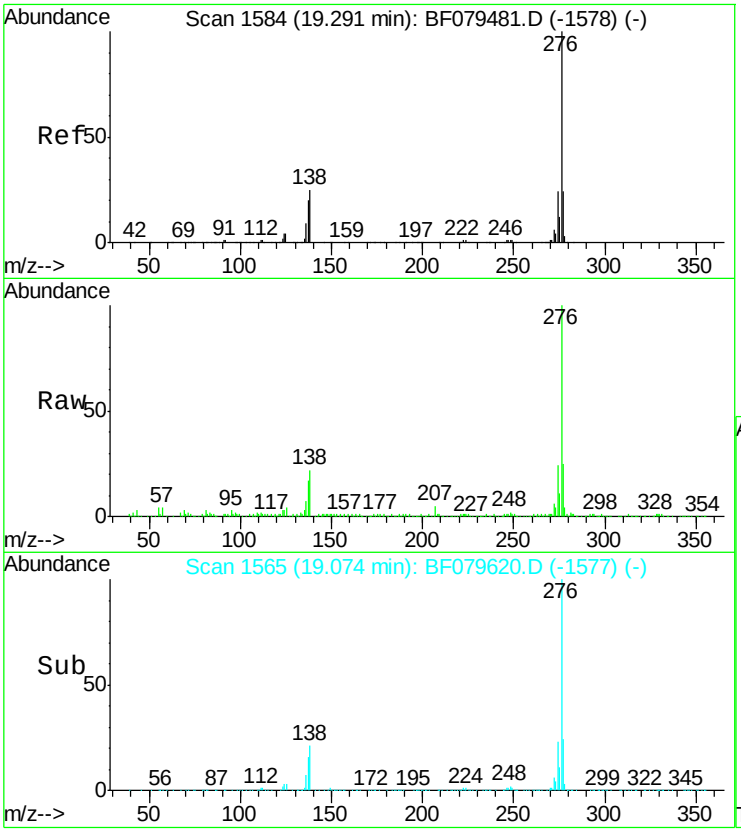


#89
Benzo(a)pyrene
Concen: 31.68 ng
RT: 17.38 min Scan# 1417
Delta R.T. -0.23 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Tgt Ion:252 Resp: 311524

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	9.4	7.9	11.9





#91
Benzo(g,h,i)perylene
Concen: 21.85 ng
RT: 19.07 min Scan# 1565
Delta R.T. -0.33 min
Lab File: BF079620.D
Acq: 30 May 2015 23:33

Instrument :
BNA_F
ClientSampleId :
PENRD8.6(5)

Tgt Ion:276 Resp: 225924

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.1	28.7
138	21.6	20.1	30.1