Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079493.D
Acq On : 26 May 2015 23:47
Operator : TP/IZ
Sample : G2289-12 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-31D

Manual Integrations APPROVED
apatel
5/27/2015 2:01:33 PM

Quant Time: May 27 02:15:43 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 26 19:25:27 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	98742	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	423089	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	211549	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	400591	20.00	ng	0.01
75) Chrysene-d12	15.90	240	415110	20.00	ng	0.02
86) Perylene-d12	17.68	264	453003	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	139617m	24.52	ng	0.00
7) Phenol-d6	6.62	99	182847m	25.20	ng	0.00
23) Nitrobenzene-d5	7.71	82	104232	14.24	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	52783	22.72	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	208272	14.05	ng	0.00
78) Terphenyl-d14	14.59	244	241202	13.64	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.62	128	149461	7.36	ng	99
37) 2-Methylnaphthalene	9.48	142	44089	3.13	ng	99
51) Acenaphthene	10.80	154	82028	6.62	ng	99
54) Dibenzofuran	11.02	168	91013	4.98	ng	97
57) Fluorene	11.44	166	115025	7.64	ng	99
70) Phenanthrene	12.63	178	904982	41.18	ng	98
71) Anthracene	12.70	178	320367	14.36	ng	100
72) Carbazole	12.91	167	73436	3.42	ng	98
74) Fluoranthene	14.10	202	1091176	46.30	ng	94
77) Pyrene	14.39	202	1064866	41.41	ng	100
80) Benzo(a)anthracene	15.89	228	499130	20.90	ng	100
82) Chrysene	15.92	228	413082	18.20	ng	97
85) Indeno(1,2,3-cd)pyrene	19.03	276	257996m	8.84	ng	
87) Benzo(b)fluoranthene	17.22	252	528006m	20.44	ng	
88) Benzo(k)fluoranthene	17.25	252	198119m	8.57	ng	
89) Benzo(a)pyrene	17.61	252	439451	18.25	ng	98
91) Benzo(g,h,i)perylene	19.42	276	263123	9.27	ng	97

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

Quantitation Report (QT/LSC Reviewed)

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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-31D

Manual Integrations APPROVED
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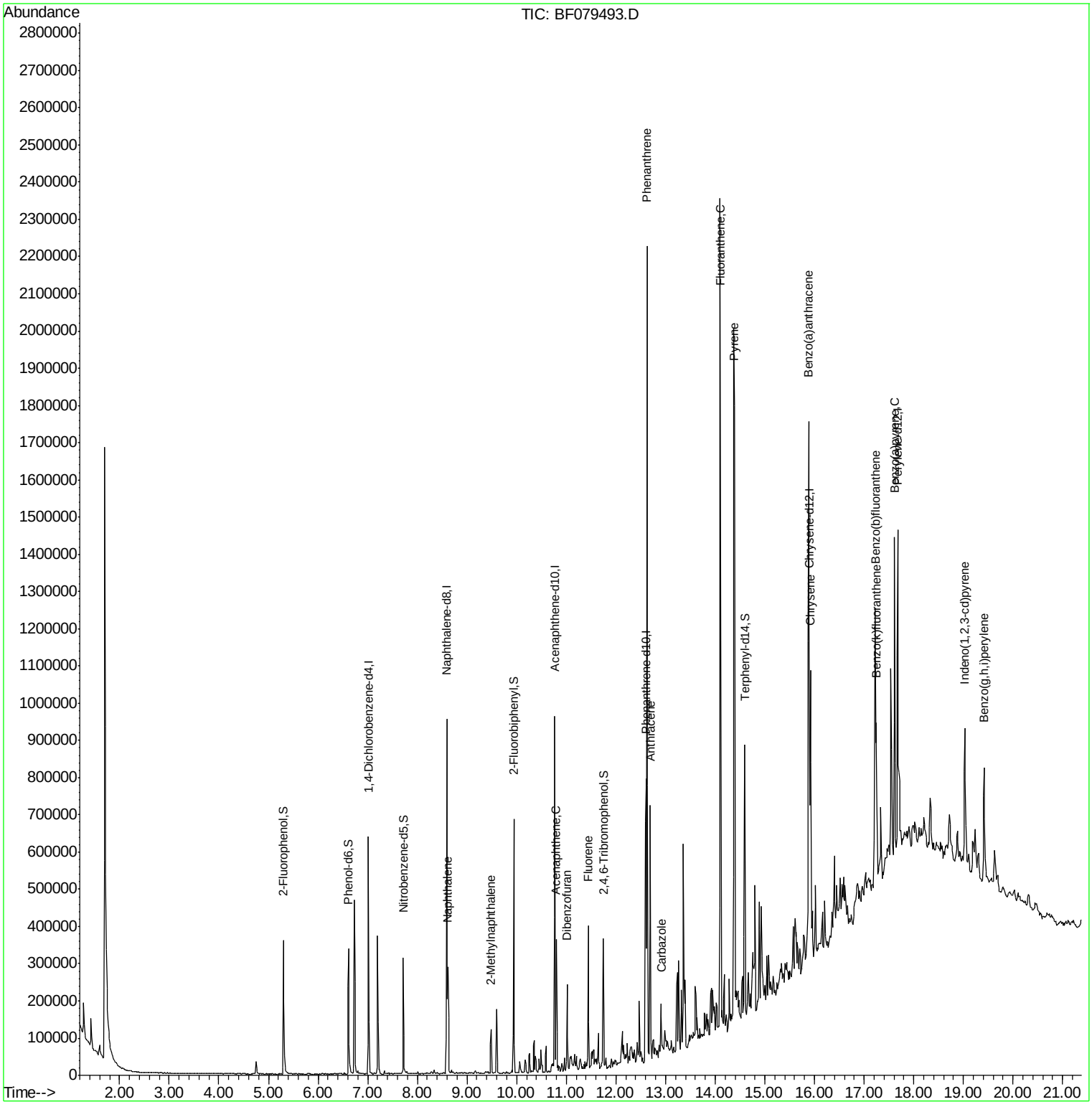
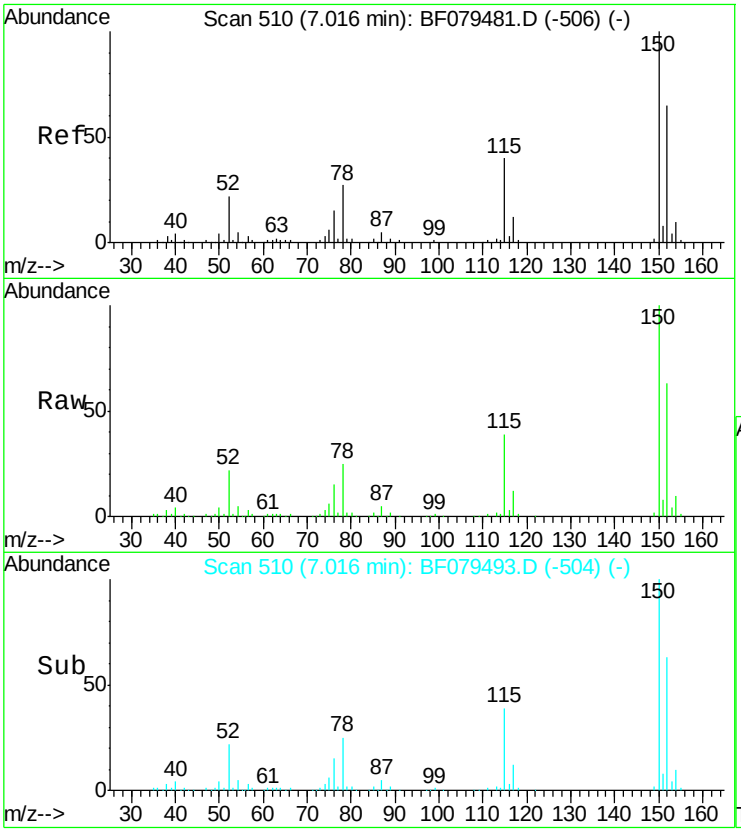
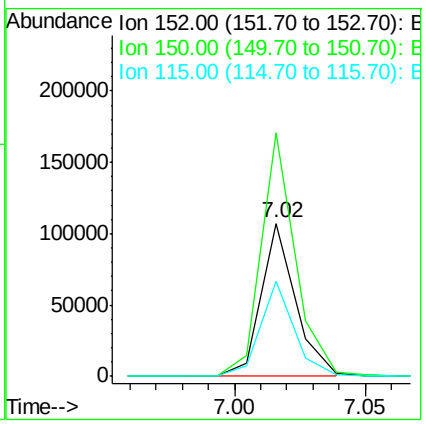




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:152 Resp: 98742

Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.0	186.0
115	62.0	49.6	74.4



Instrument :
BNA_F
ClientSampleId :
SB-31D

Manual Integrations APPROVED
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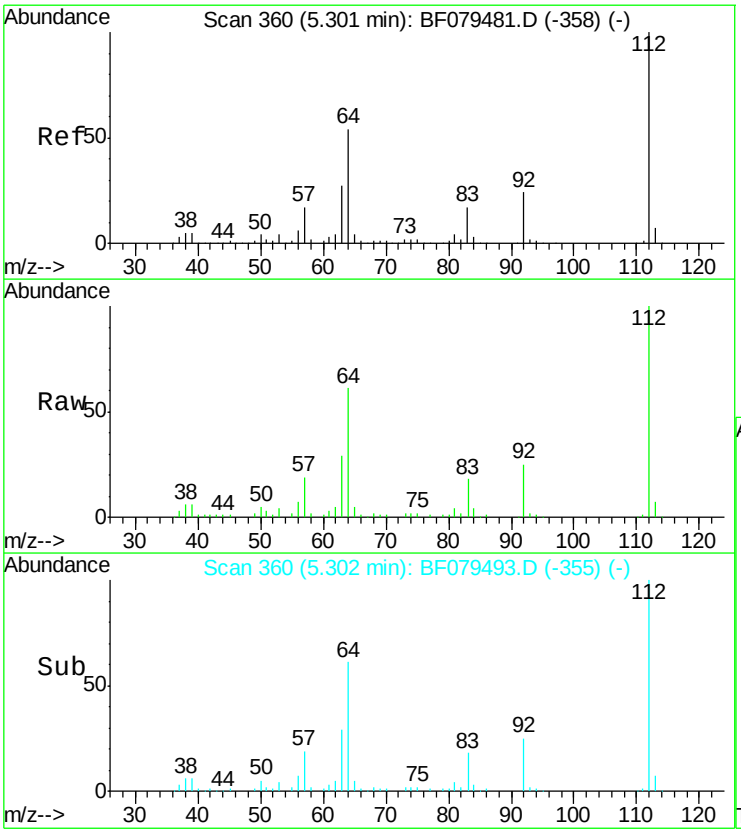
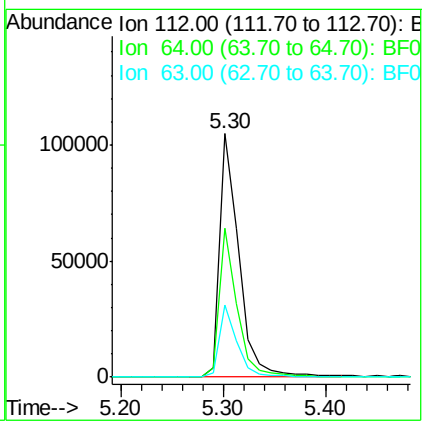
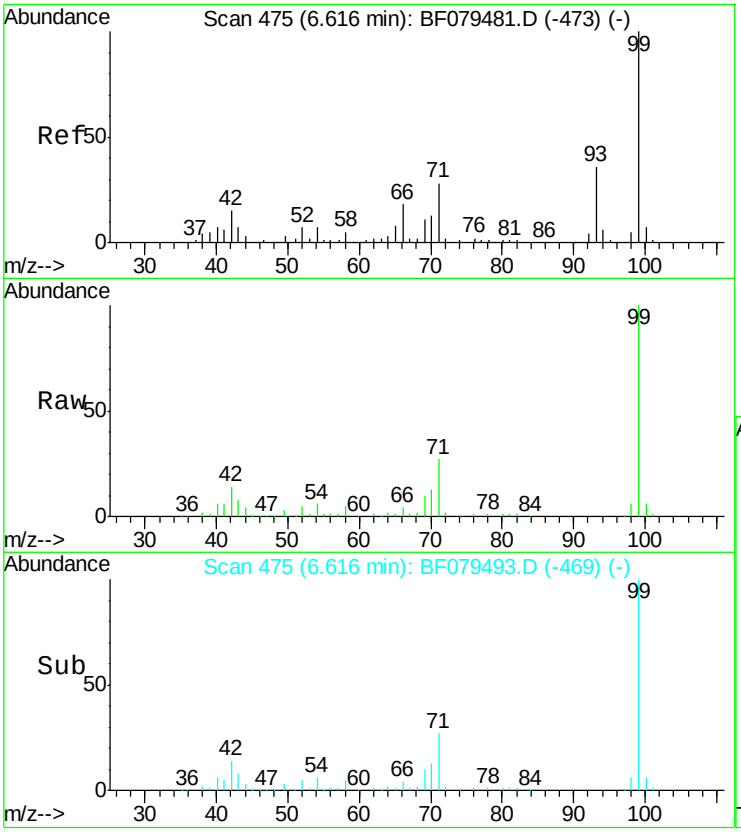


#5
2-Fluorophenol
Concen: 24.52 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:112 Resp: 139617

Ion	Ratio	Lower	Upper
112	100		
64	61.3	43.5	65.3
63	29.4	21.8	32.8

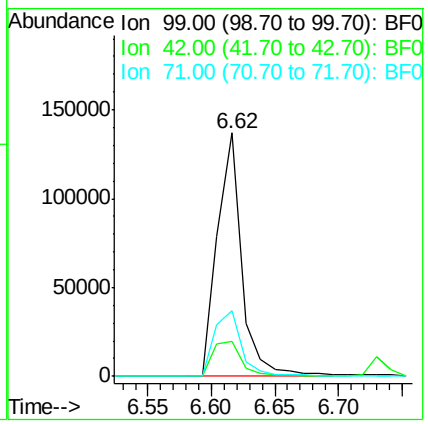




#7
Phenol-d6
Concen: 25.20 ng m
RT: 6.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion: 99 Resp: 182847

Ion	Ratio	Lower	Upper
99	100		
42	14.4	11.9	17.9
71	27.1	22.1	33.1



Instrument :
BNA_F
ClientSampleId :
SB-31D

Manual Integrations APPROVED
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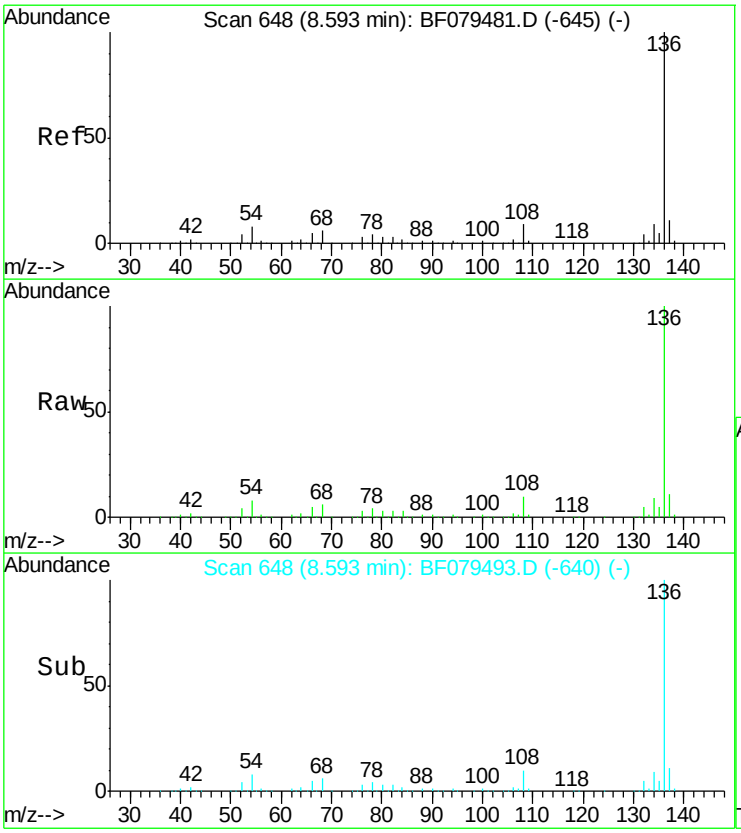
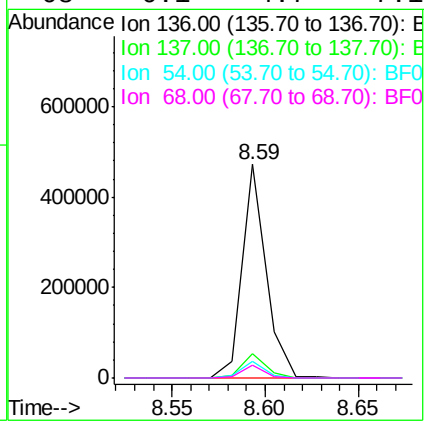
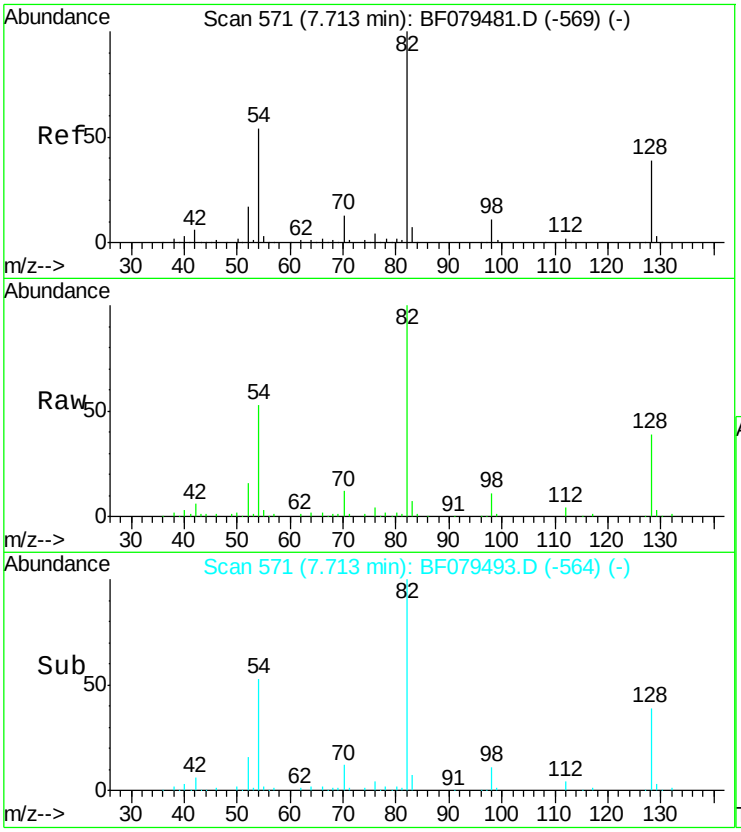


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:136 Resp: 423089

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.8	6.6	9.8
68	6.1	4.7	7.1

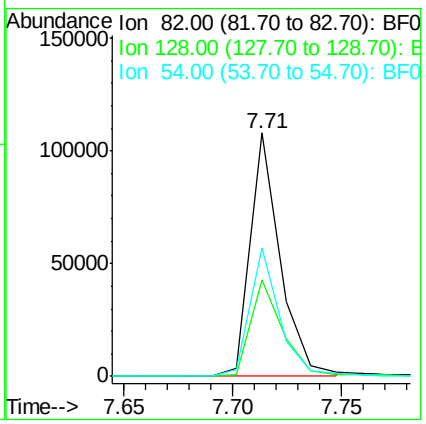




#23
Nitrobenzene-d5
Concen: 14.24 ng
RT: 7.71 min Scan# 571
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion: 82 Resp: 104232

Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.8	46.2
54	52.6	42.8	64.2



Instrument :
BNA_F
ClientSampleId :
SB-31D

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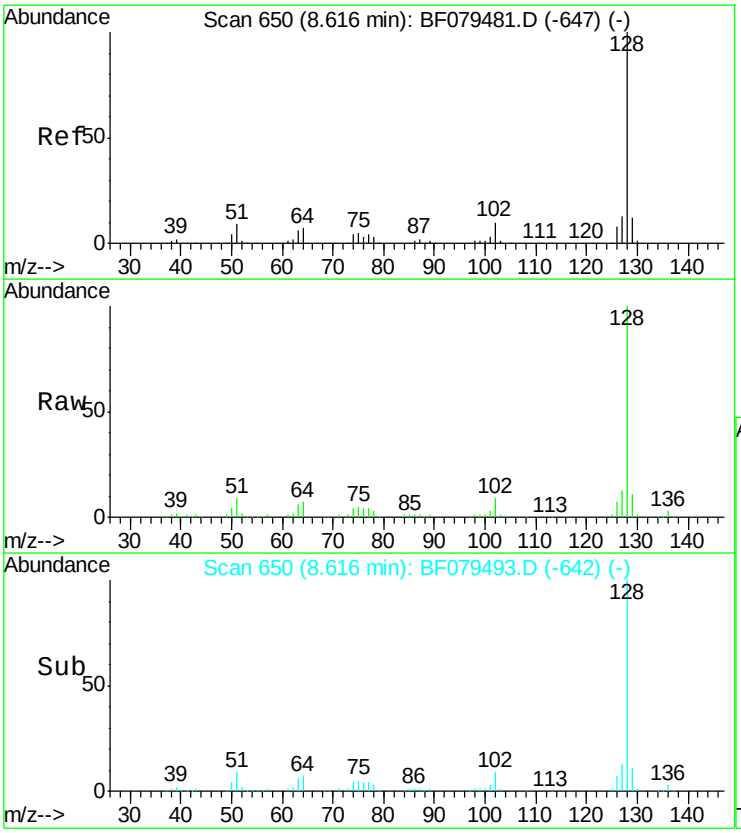
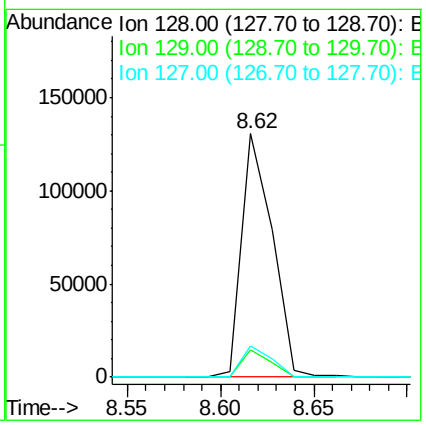
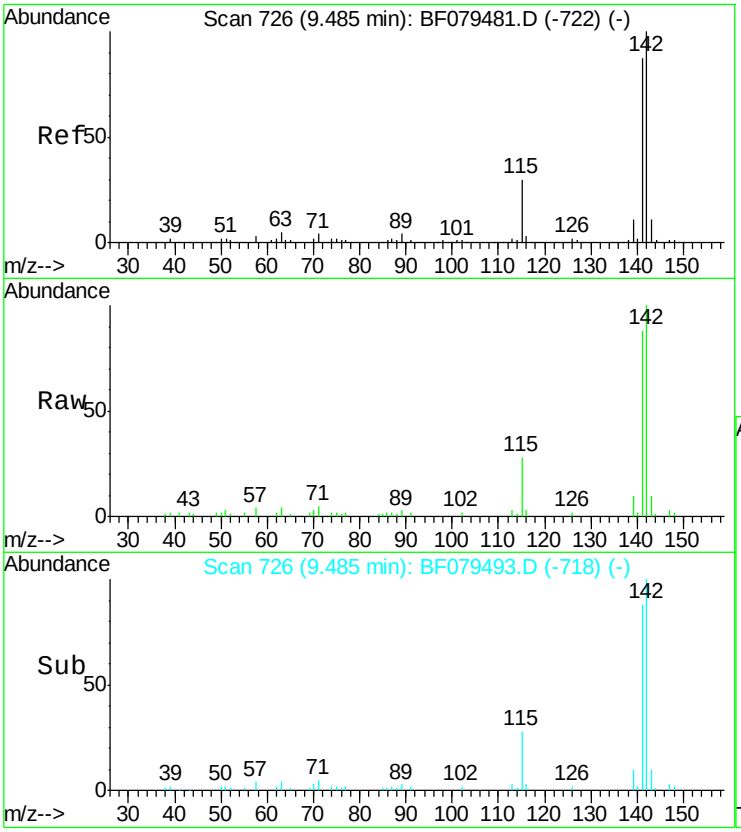


#31
Naphthalene
Concen: 7.36 ng
RT: 8.62 min Scan# 650
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:128 Resp: 149461

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	12.7	10.6	15.8

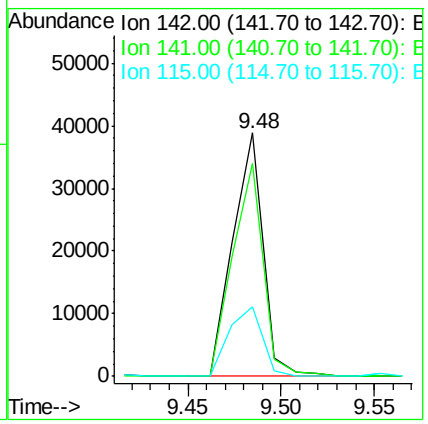




#37
2-Methylnaphthalene
Concen: 3.13 ng
RT: 9.48 min Scan# 726
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:142 Resp: 44089

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.5	104.3
115	28.4	23.8	35.6



Instrument :
BNA_F
ClientSampleId :
SB-31D

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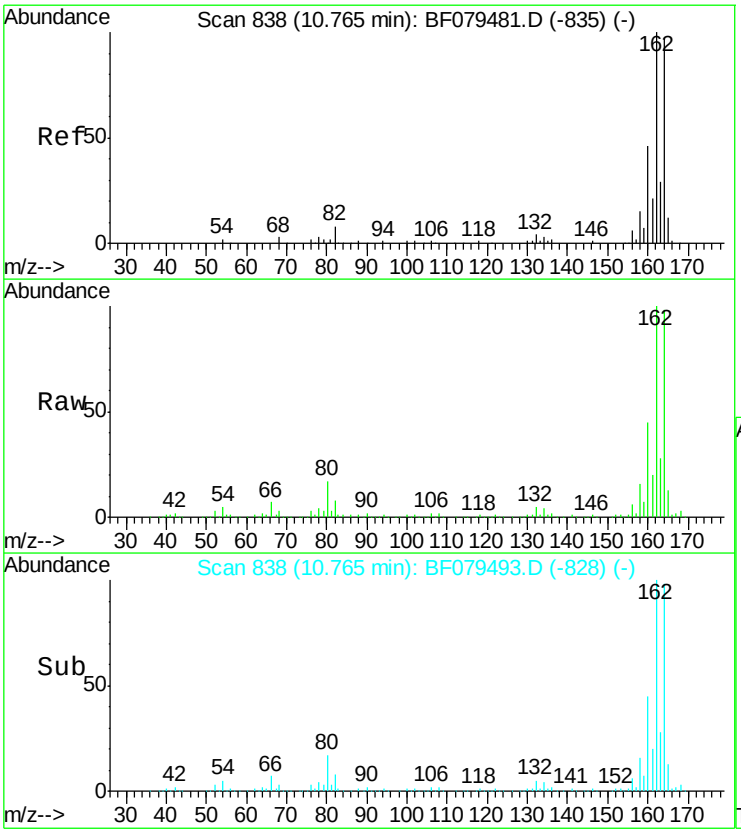
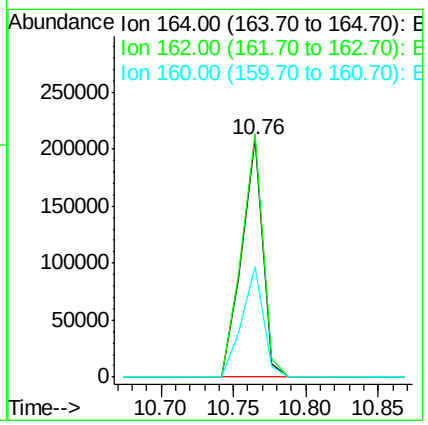
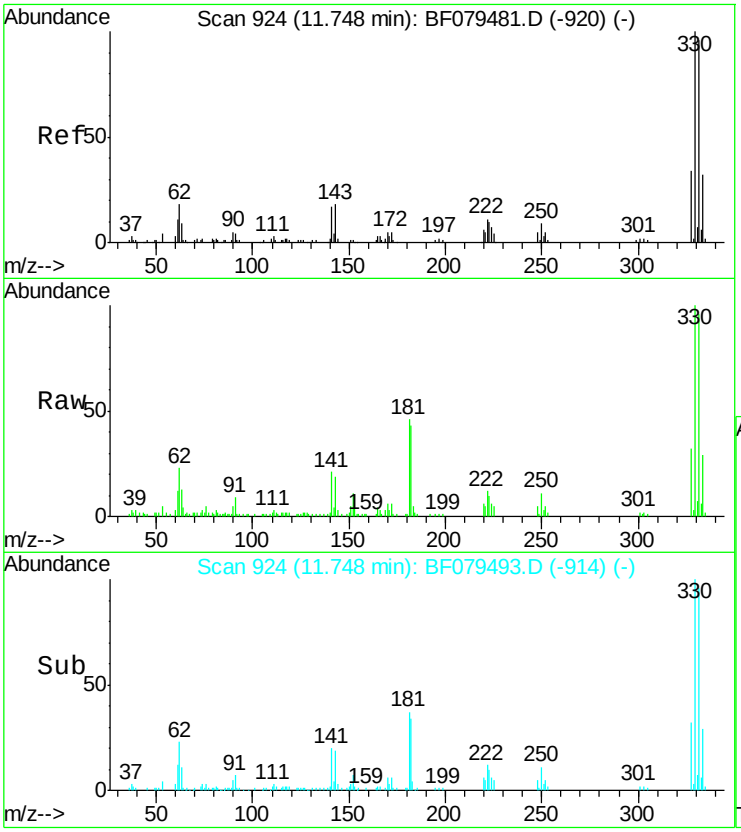


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.76 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:164 Resp: 211549

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	124.0
160	46.2	37.7	56.5





#41
2,4,6-Tribromophenol
Concen: 22.72 ng
RT: 11.75 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:330 Resp: 52783

Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	39.5	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
SB-31D

Manual Integrations APPROVED
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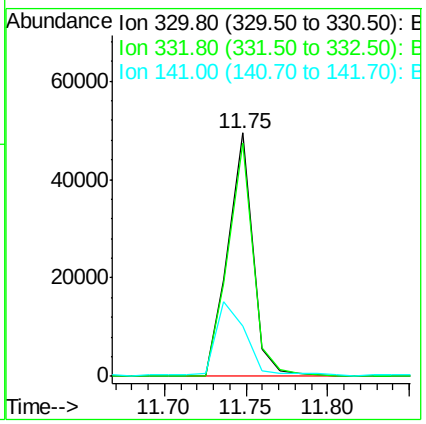
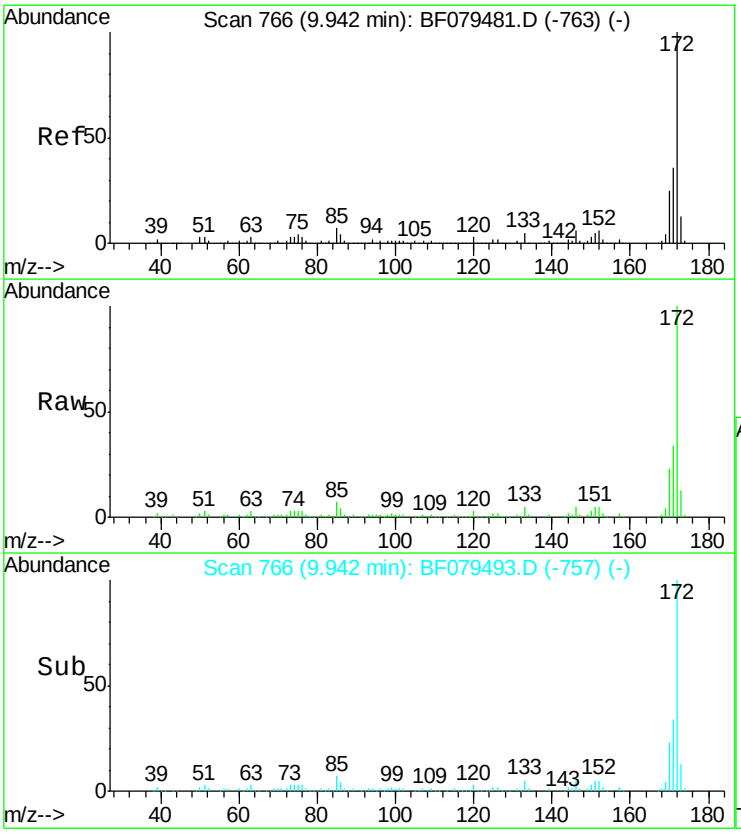
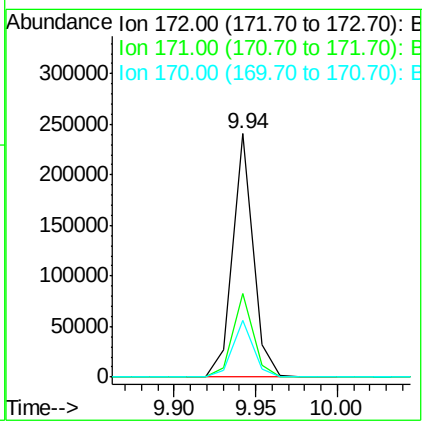


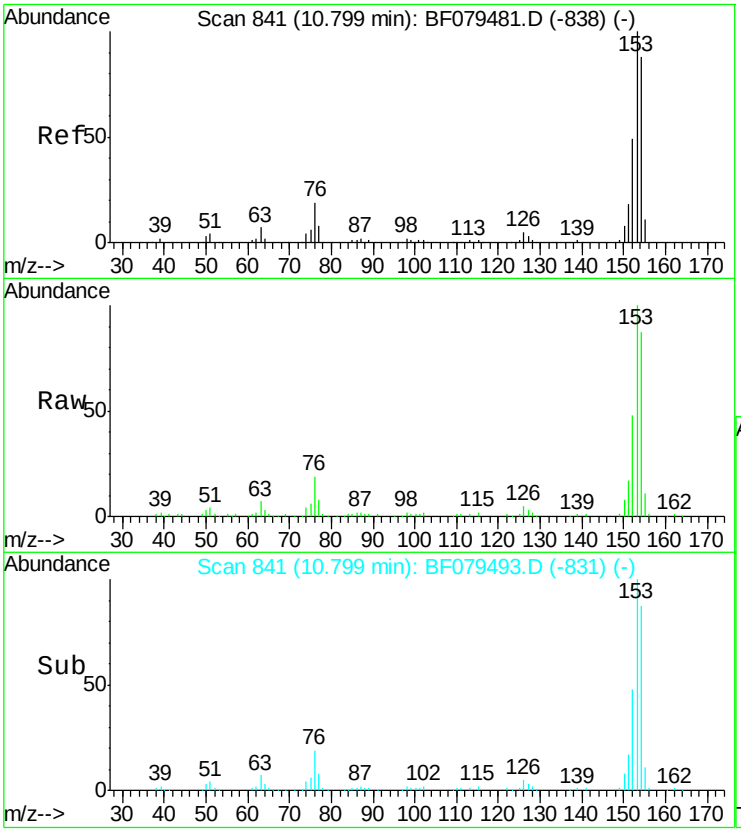


#44
2-Fluorobiphenyl
Concen: 14.05 ng
RT: 9.94 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:172 Resp: 208272

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.5	42.7
170	23.3	19.7	29.5

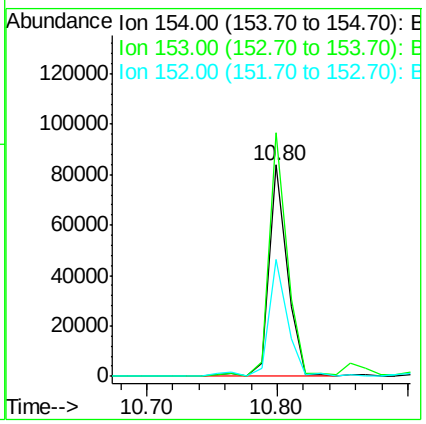




#51
Acenaphthene
Concen: 6.62 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:154 Resp: 82028

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.1	136.7
152	55.3	44.6	66.8



Instrument :
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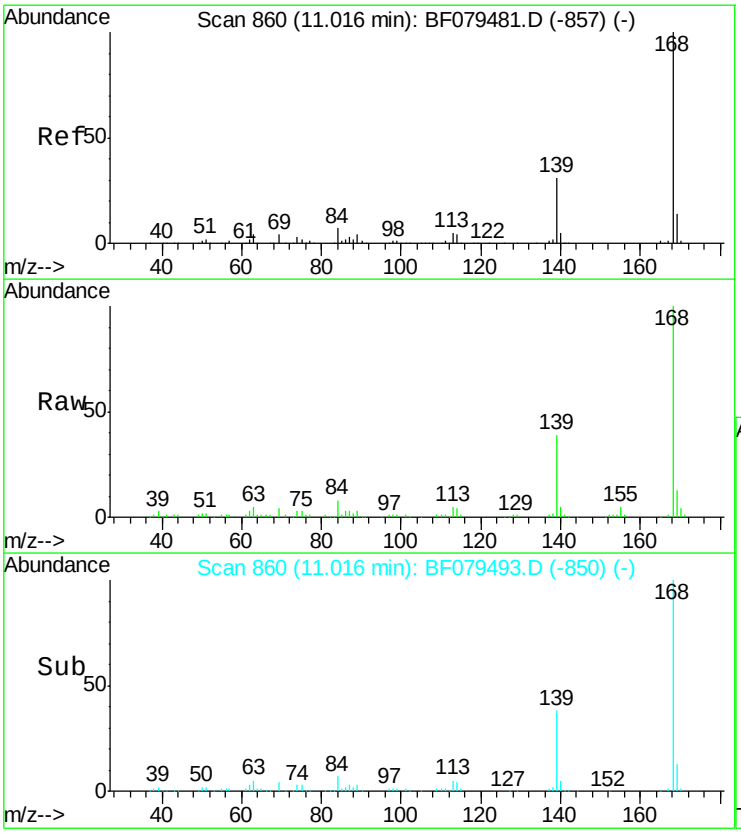
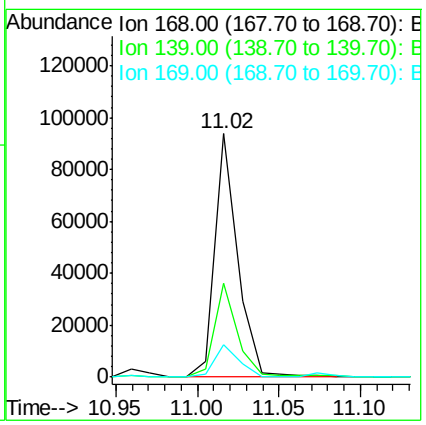
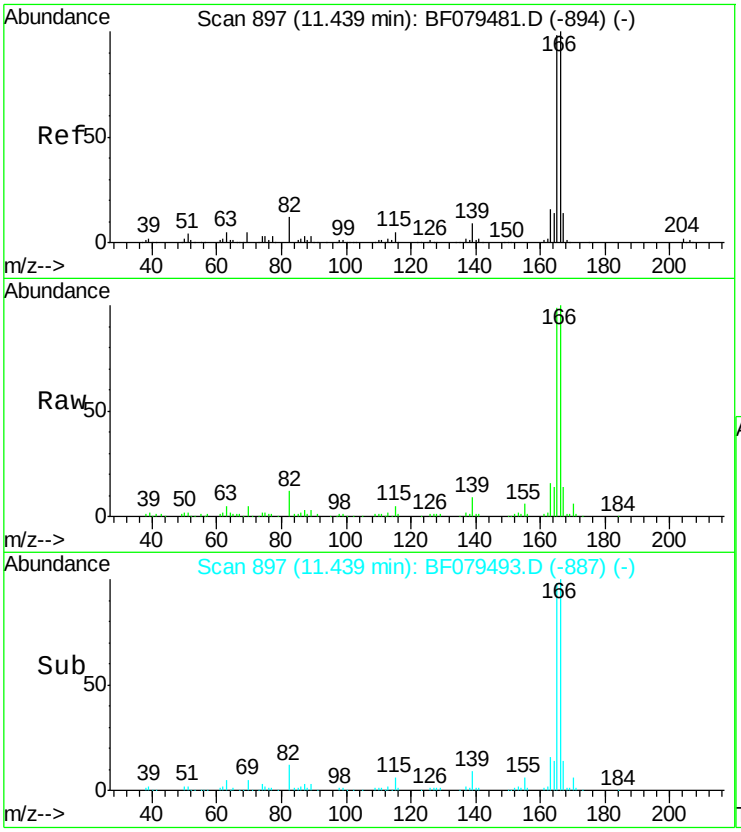


#54
Dibenzofuran
Concen: 4.98 ng
RT: 11.02 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:168 Resp: 91013

Ion	Ratio	Lower	Upper
168	100		
139	38.7	32.9	49.3
169	13.1	11.1	16.7

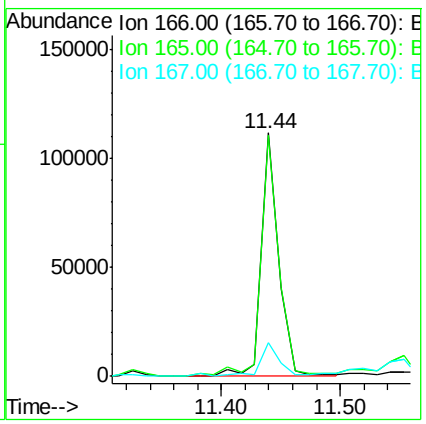




#57
Fluorene
Concen: 7.64 ng
RT: 11.44 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:166 Resp: 115025

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	117.8
167	14.1	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SB-31D

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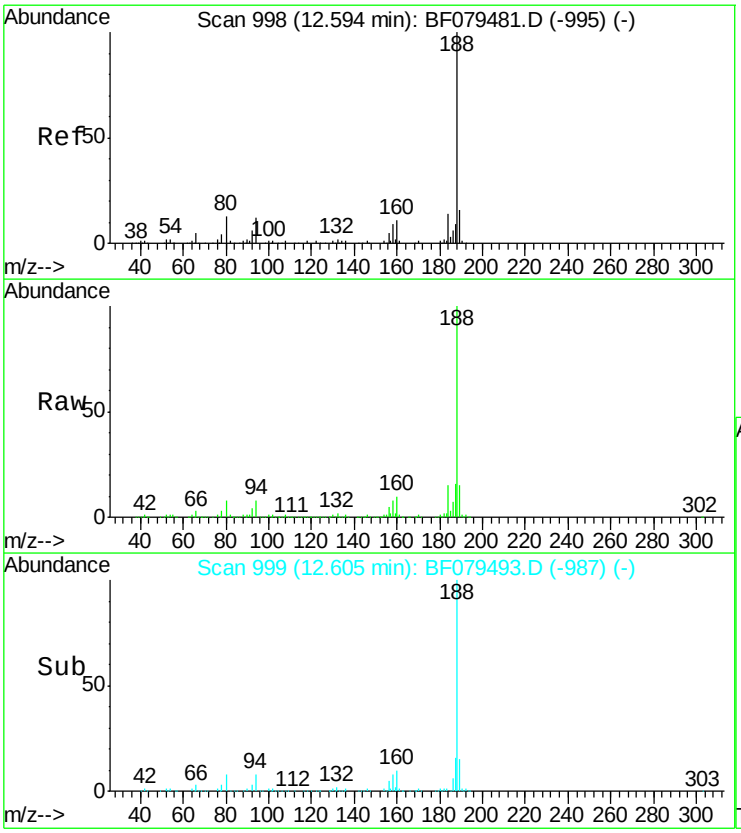
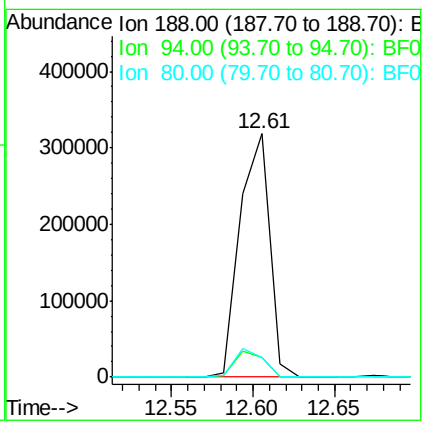
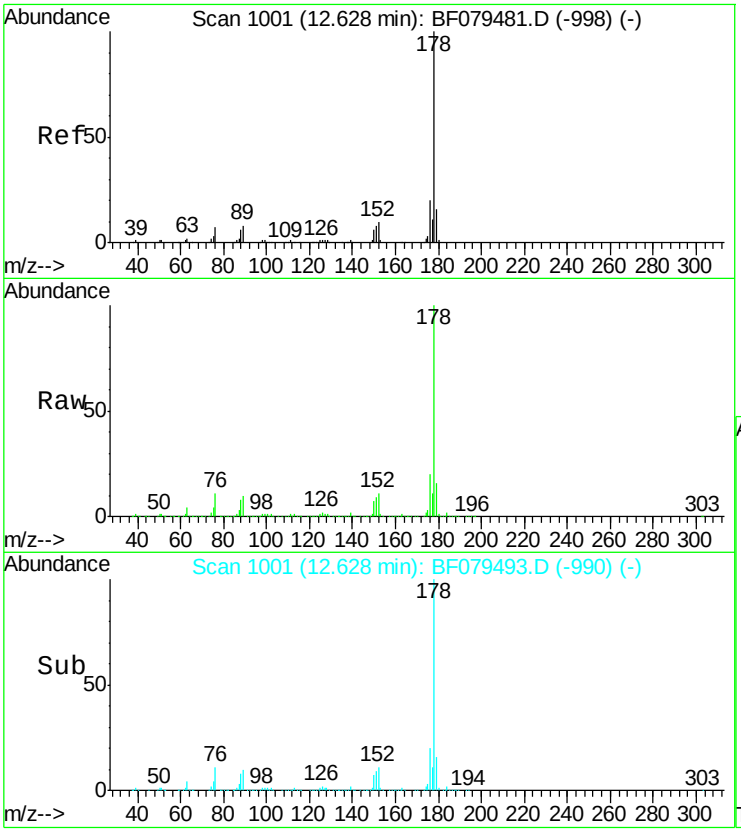


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:188 Resp: 400591

Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.8	14.6#
80	8.0	10.5	15.7#

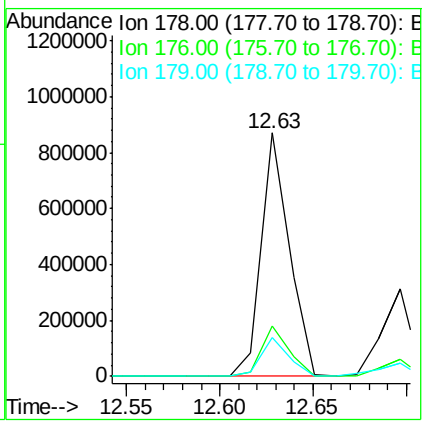




#70
Phenanthrene
Concen: 41.18 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:178 Resp: 904982

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.7	23.5
179	15.9	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SB-31D

Manual Integrations APPROVED
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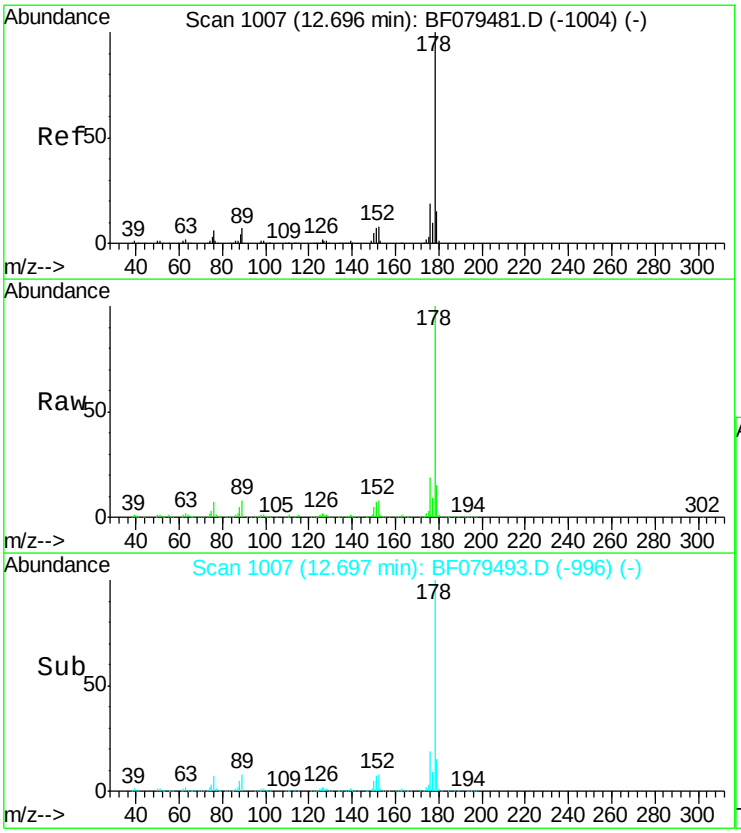
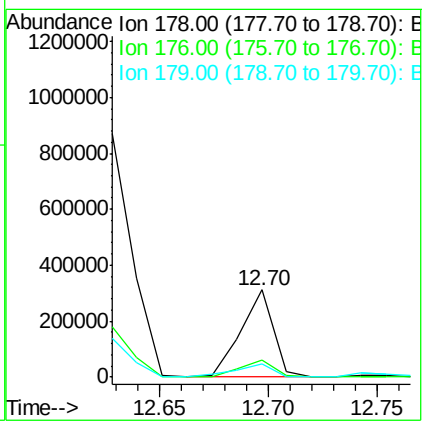
5/27/2015 2:01:33 PM

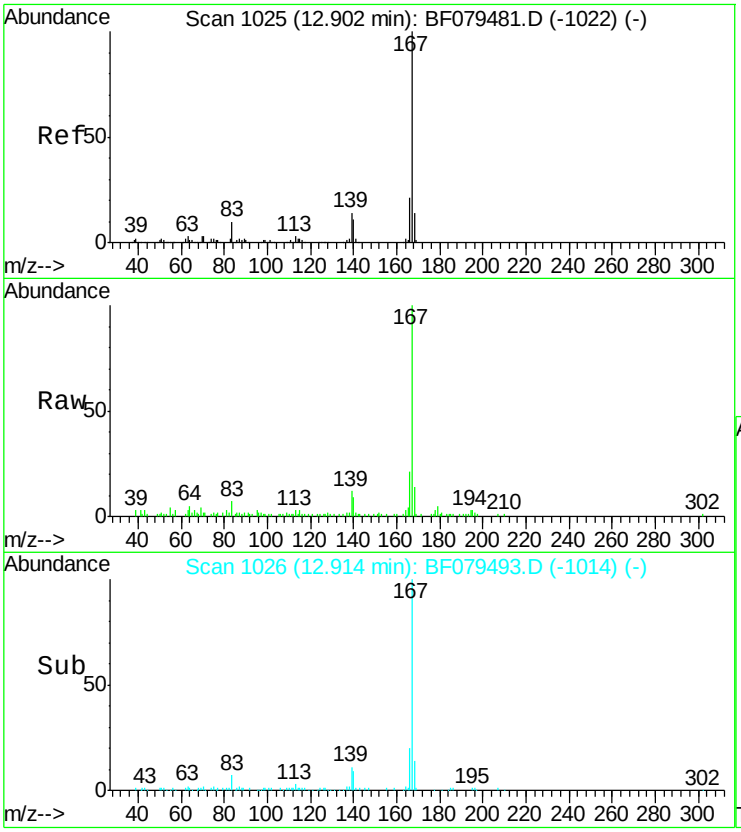


#71
Anthracene
Concen: 14.36 ng
RT: 12.70 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:178 Resp: 320367

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.3	12.2	18.4





#72
Carbazole
Concen: 3.42 ng
RT: 12.91 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:167 Resp: 73436

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.1	11.2	16.8

Instrument :
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ClientSampleId :
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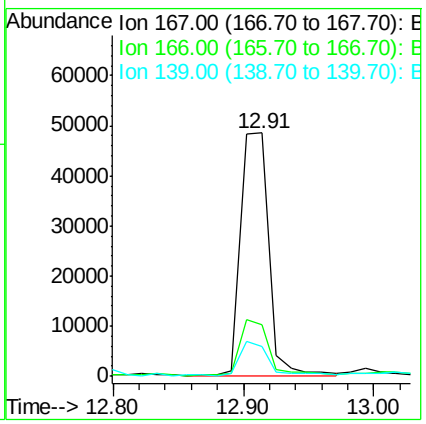
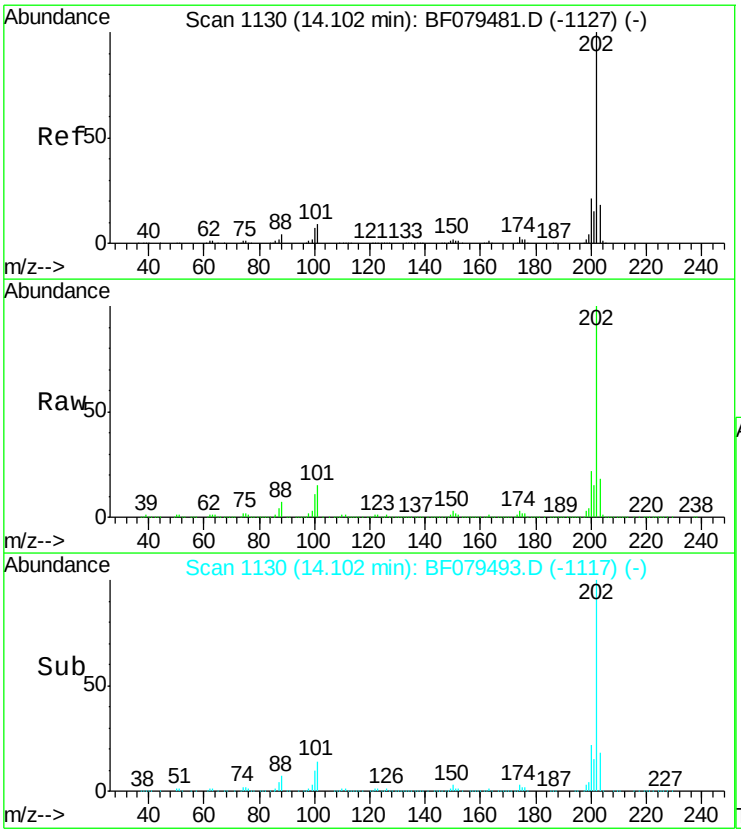
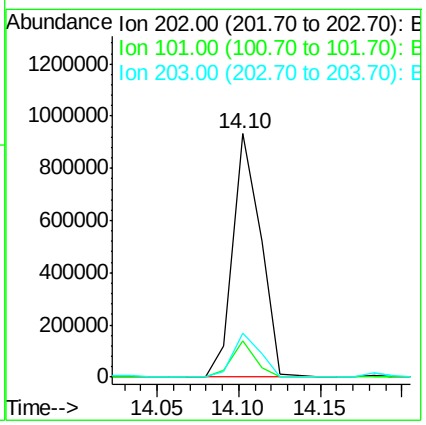


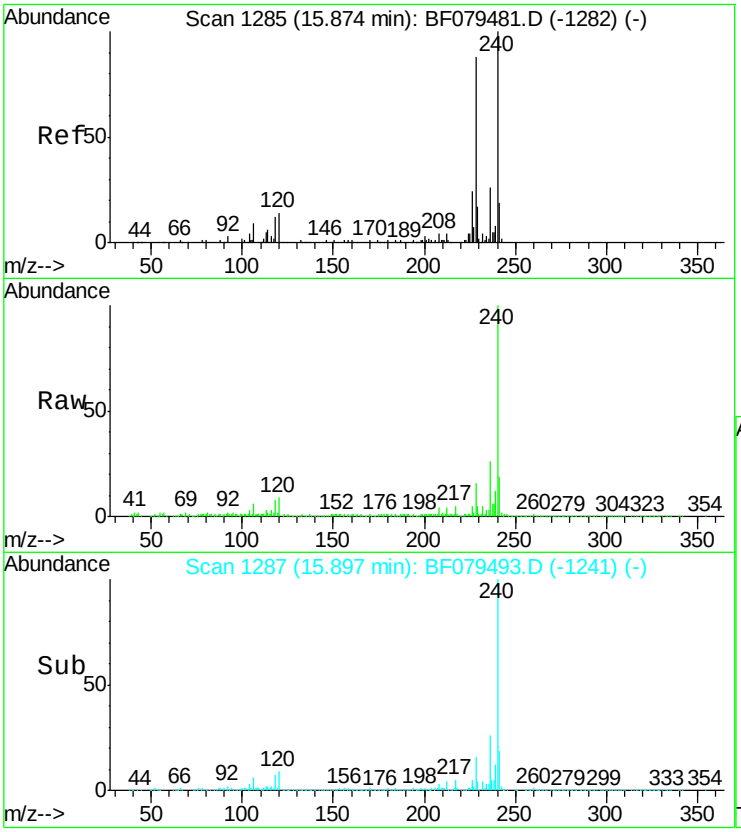


#74
Fluoranthene
Concen: 46.30 ng
RT: 14.10 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:202 Resp: 1091176

Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	29.3
203	18.1	0.0	37.6

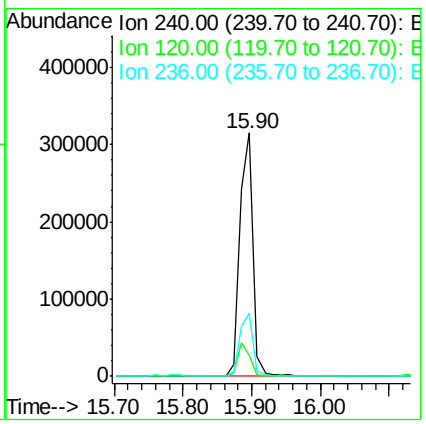




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.90 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:240 Resp: 415110

Ion	Ratio	Lower	Upper
240	100		
120	8.8	10.8	16.2#
236	26.1	21.0	31.6



Instrument :
BNA_F
ClientSampleId :
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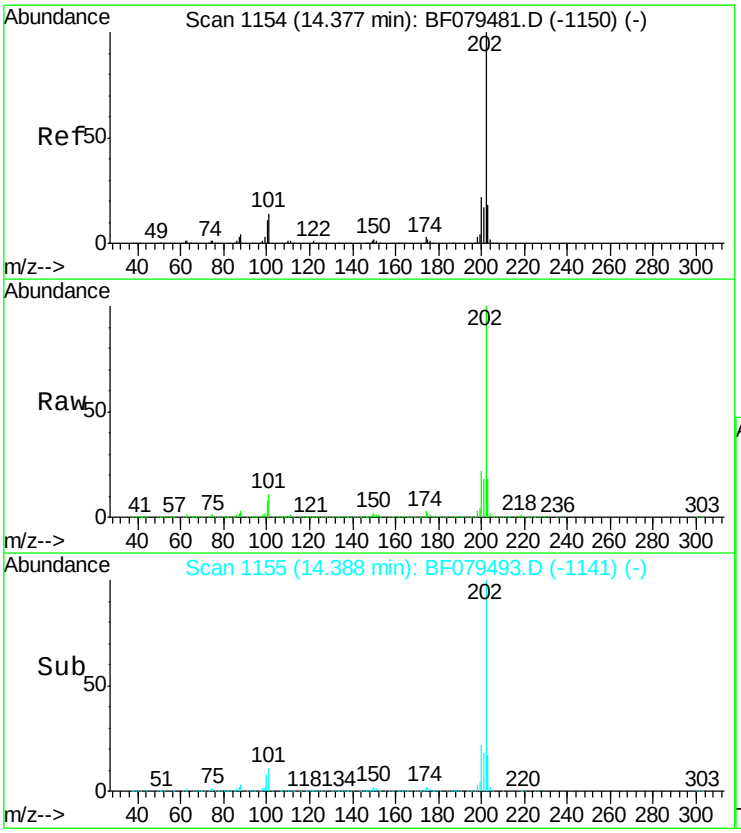
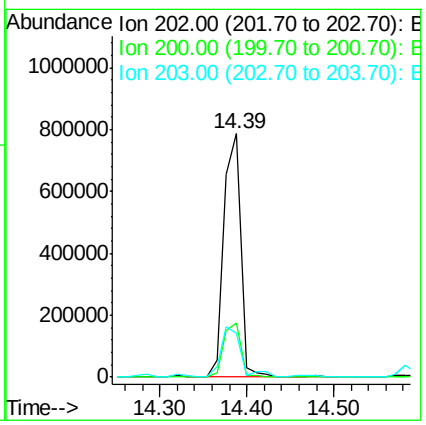
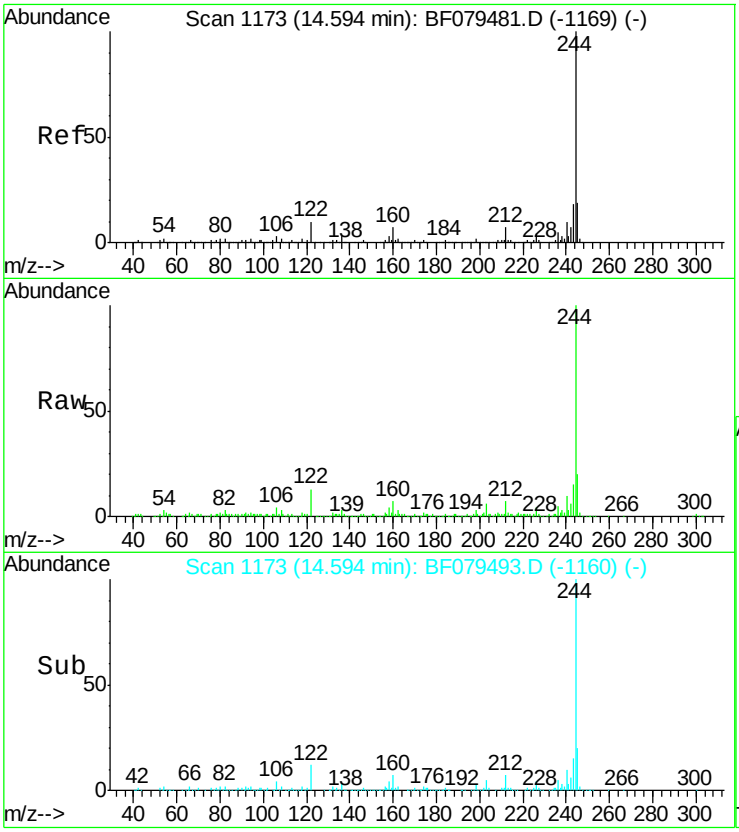


#77
Pyrene
Concen: 41.41 ng
RT: 14.39 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:202 Resp: 1064866

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.5	26.3
203	18.0	14.4	21.6

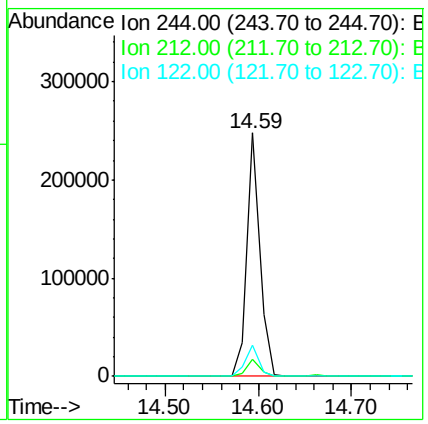




#78
Terphenyl-d14
Concen: 13.64 ng
RT: 14.59 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:244 Resp: 241202

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.2	7.8
122	12.6	8.0	12.0#



Instrument :
BNA_F
ClientSampleId :
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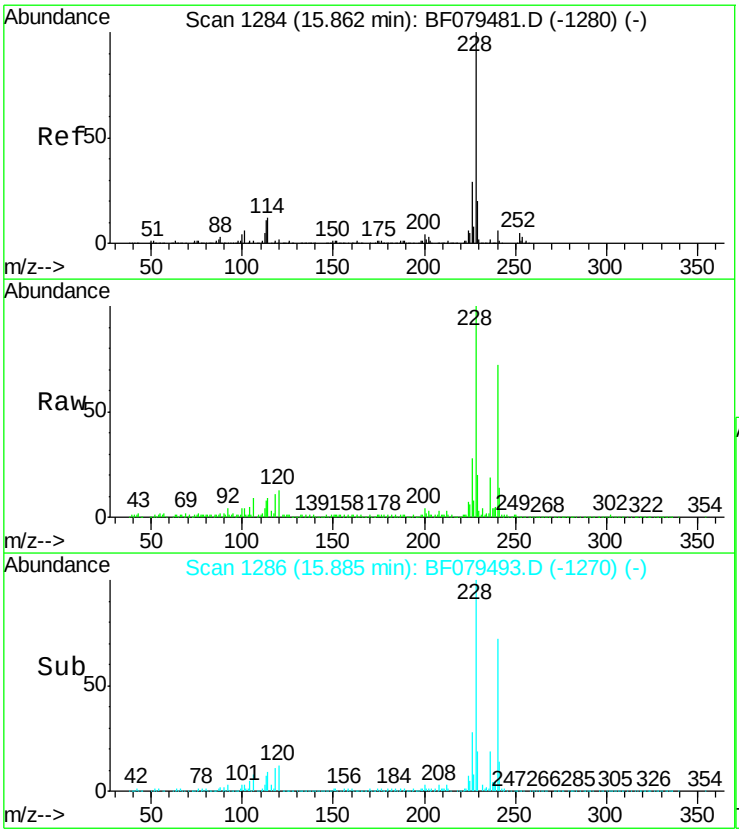
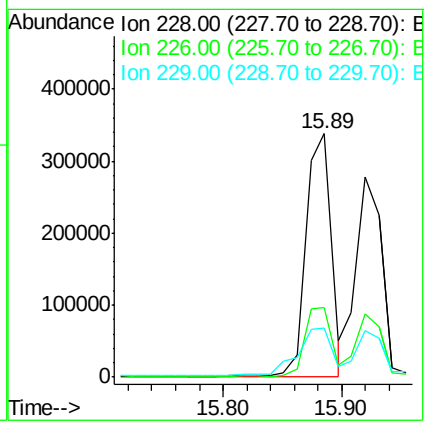
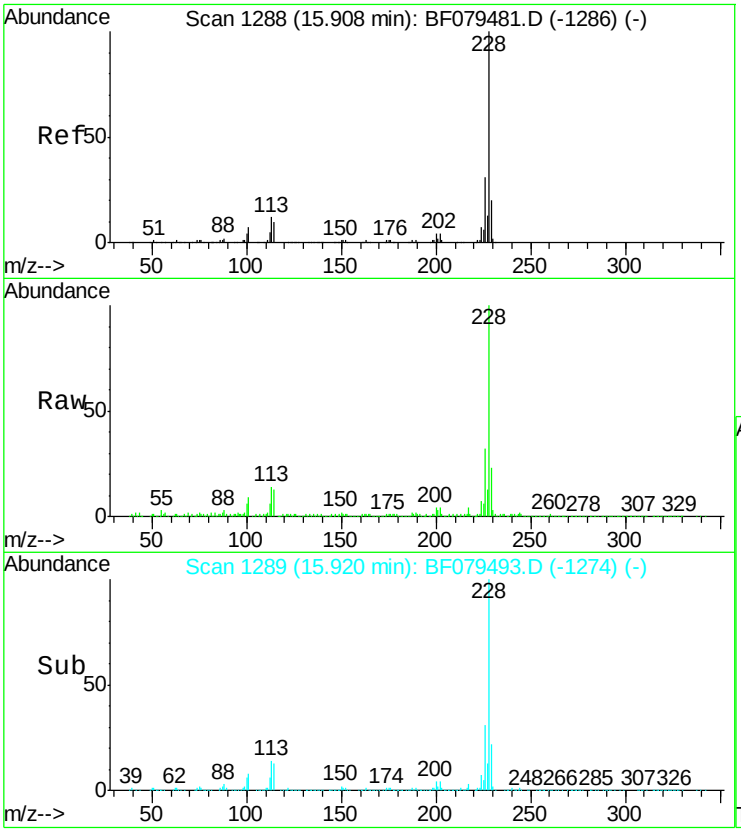


#80
Benzo(a)anthracene
Concen: 20.90 ng
RT: 15.89 min Scan# 1286
Delta R.T. 0.02 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:228 Resp: 499130

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	20.3	15.9	23.9





#82
Chrysene
Concen: 18.20 ng
RT: 15.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:228 Resp: 413082

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.4
229	23.0	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
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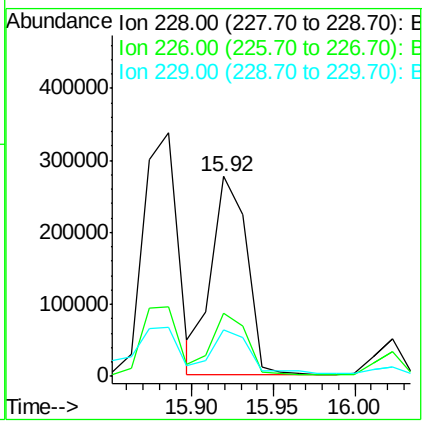
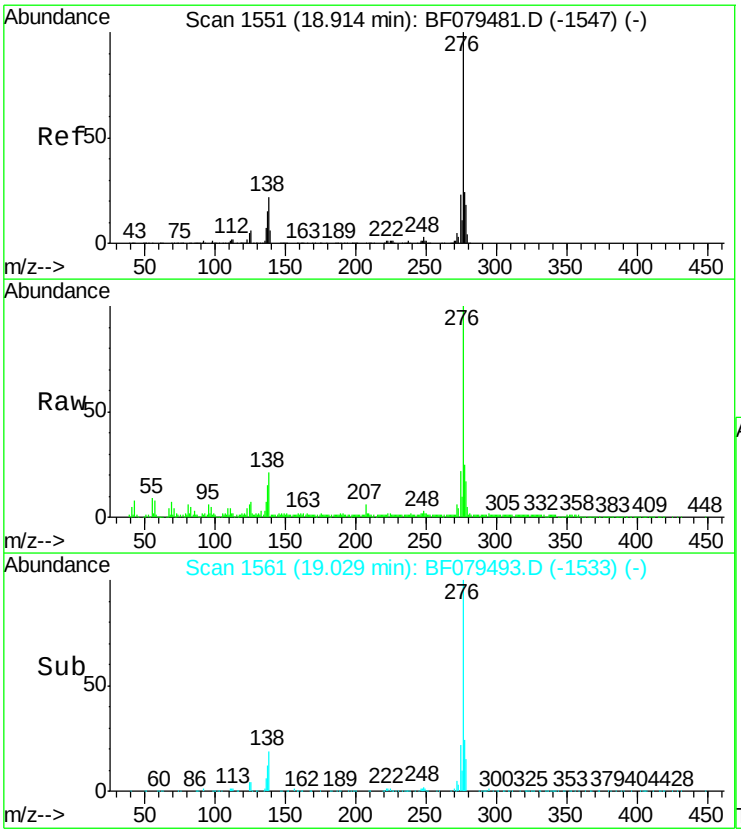
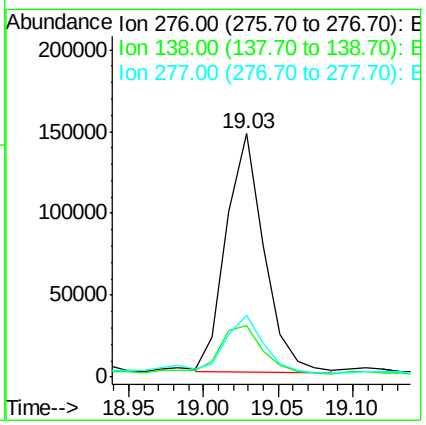


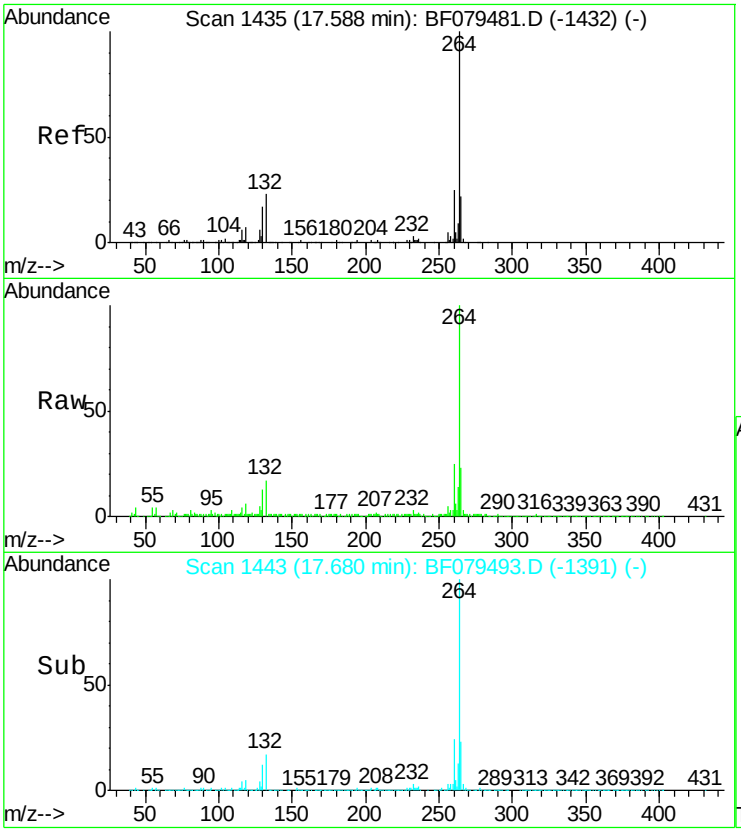


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.84 ng m
RT: 19.03 min Scan# 1561
Delta R.T. 0.11 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:276 Resp: 257996

Ion	Ratio	Lower	Upper
276	100		
138	5.1	21.4	32.2#
277	4.9	19.8	29.6#

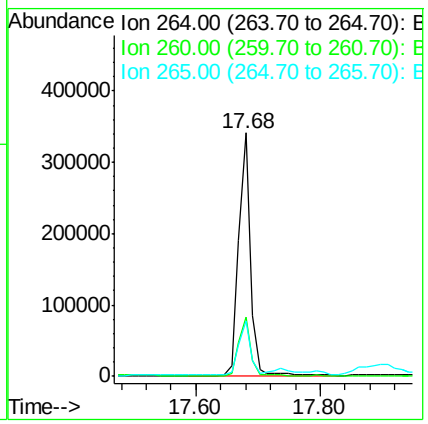




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.68 min Scan# 1443
Delta R.T. 0.09 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:264 Resp: 453003

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	22.9	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
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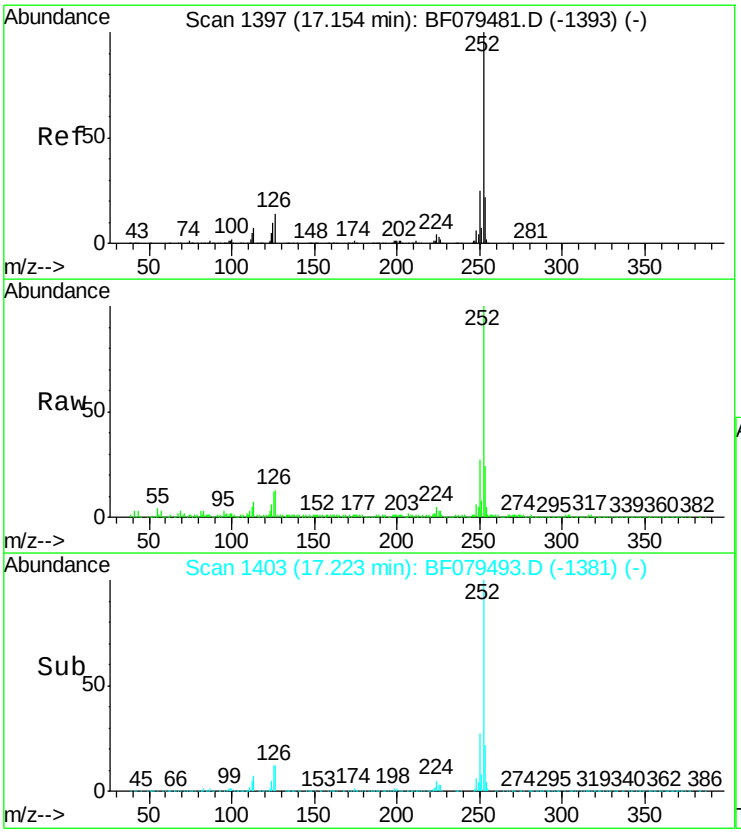
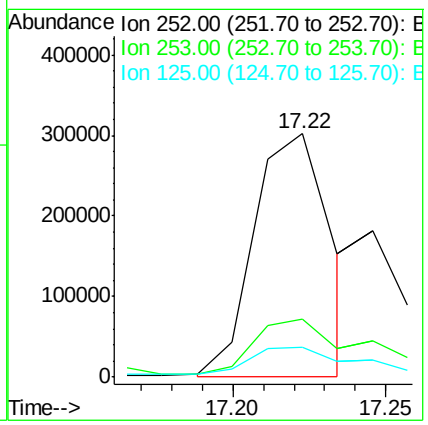
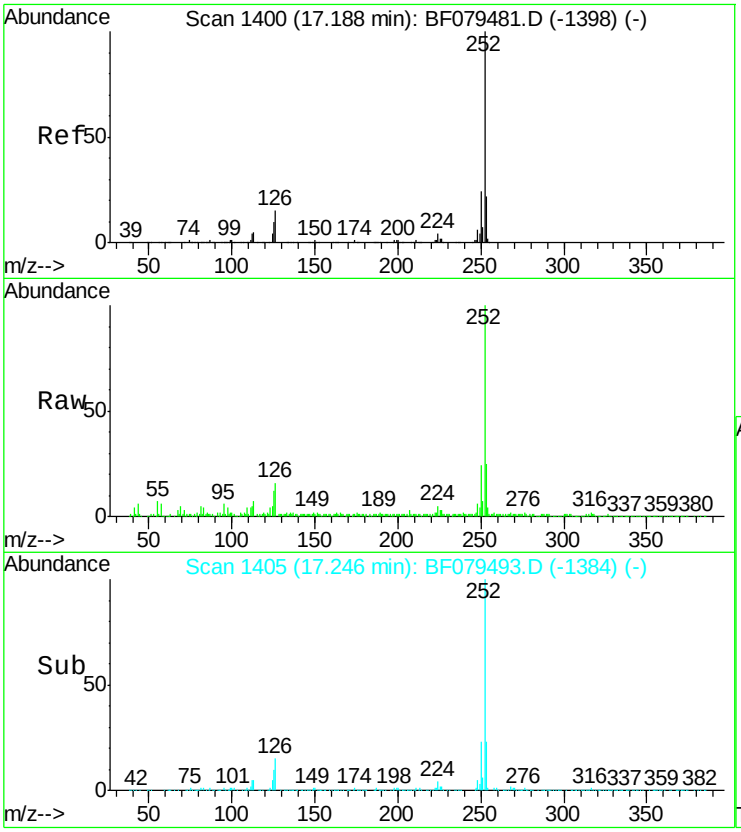


#87
Benzo(b)fluoranthene
Concen: 20.44 ng m
RT: 17.22 min Scan# 1403
Delta R.T. 0.07 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:252 Resp: 528006

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	12.4	7.8	11.6#

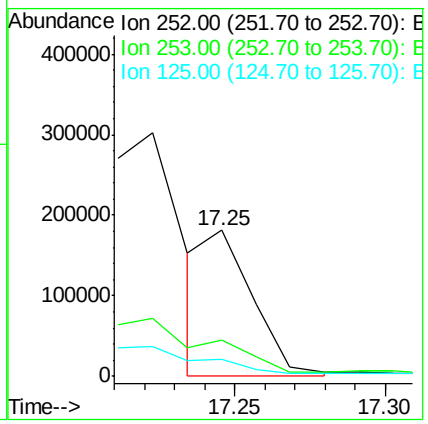




#88
Benzo(k)fluoranthene
Concen: 8.57 ng m
RT: 17.25 min Scan# 1405
Delta R.T. 0.06 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:252 Resp: 198119

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	12.0	6.8	10.2#



Instrument :
BNA_F
ClientSampleId :
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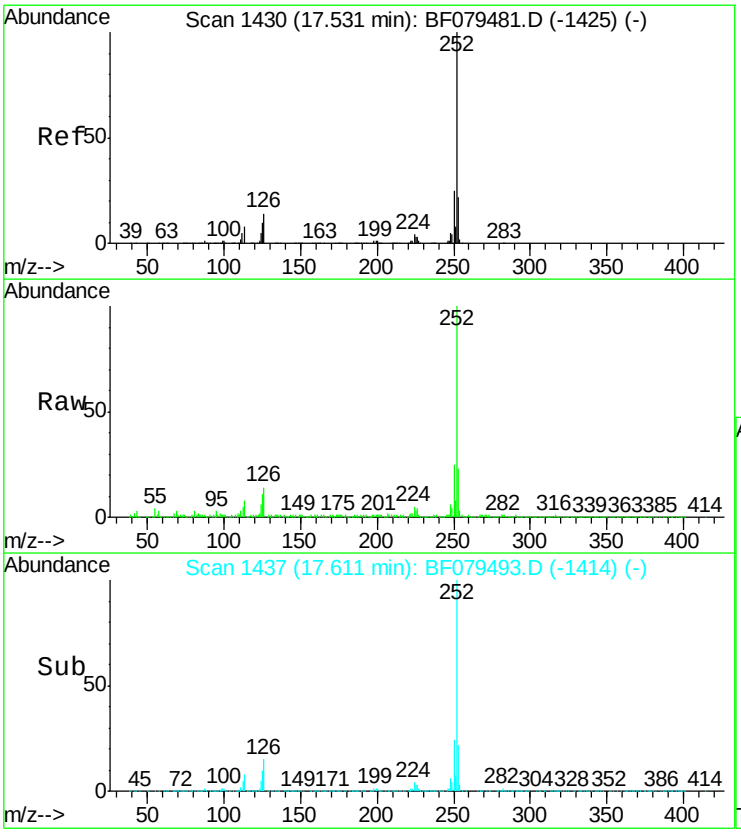
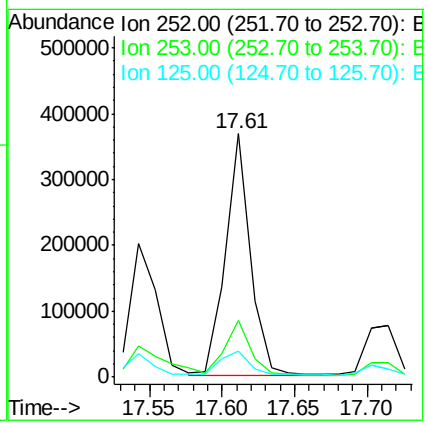
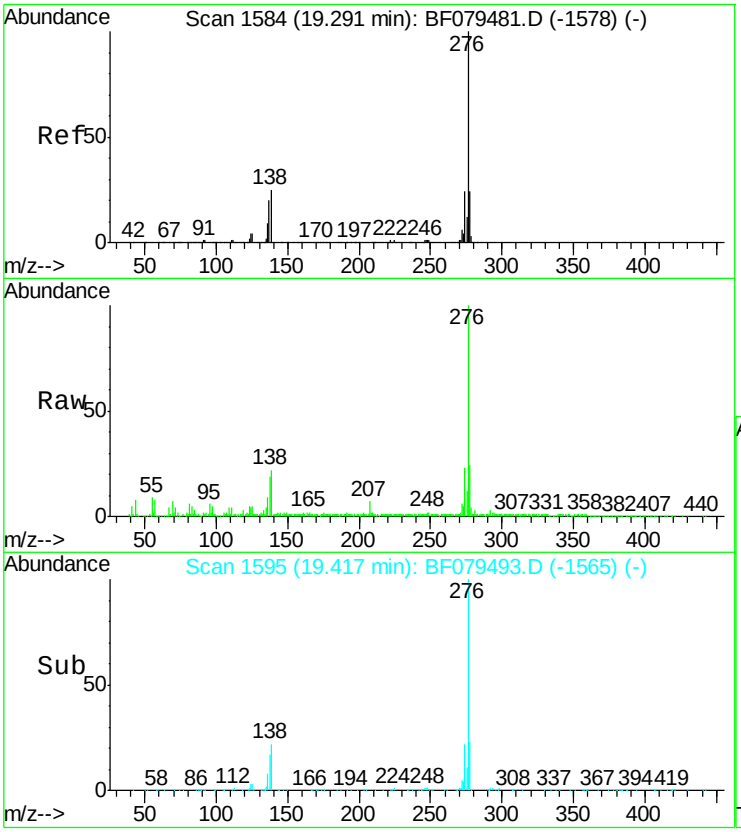


#89
Benzo(a)pyrene
Concen: 18.25 ng
RT: 17.61 min Scan# 1437
Delta R.T. 0.08 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:252 Resp: 439451

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.8	7.9	11.9

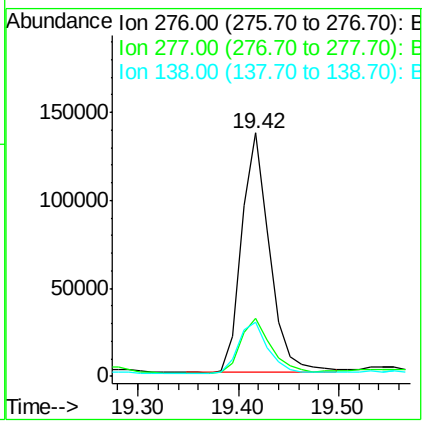




#91
Benzo(g,h,i)perylene
Concen: 9.27 ng
RT: 19.42 min Scan# 1595
Delta R.T. 0.13 min
Lab File: BF079493.D
Acq: 26 May 2015 23:47

Tgt Ion:276 Resp: 263123

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	22.5	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SB-31D

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