Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
Data File : BF079463.D
Acq On : 23 May 2015 8:23
Operator : TP/IZ
Sample : G2289-09 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-29S

Manual Integrations APPROVED
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5/27/2015 8:17:57 AM

Quant Time: May 25 07:19:07 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 25 06:56:43 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	69142	20.00	ng		0.00
21) Naphthalene-d8	8.63	136	288239	20.00	ng		0.00
38) Acenaphthene-d10	10.80	164	137224	20.00	ng		0.00
63) Phenanthrene-d10	12.64	188	254397	20.00	ng		0.01
75) Chrysene-d12	15.93	240	223104	20.00	ng		0.02
86) Perylene-d12	17.67	264	261638	20.00	ng		0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	81581m	20.31	ng		0.02
7) Phenol-d6	6.65	99	113584m	21.39	ng		0.02
23) Nitrobenzene-d5	7.75	82	24468	4.88	ng		0.00
41) 2,4,6-Tribromophenol	11.78	330	9989	6.73	ng		0.00
44) 2-Fluorobiphenyl	9.98	172	139921	14.21	ng		0.00
78) Terphenyl-d14	14.63	244	150895	16.19	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.65	128	280524	20.43	ng		98
37) 2-Methylnaphthalene	9.51	142	70084	7.36	ng	#	94
45) 1,1'-Biphenyl	10.09	154	25300	2.32	ng		97
48) Acenaphthylene	10.62	152	230698	16.51	ng		100
51) Acenaphthene	10.83	154	161748	19.41	ng		98
54) Dibenzofuran	11.05	168	194932	16.20	ng		99
57) Fluorene	11.47	166	225245	22.80	ng		99
70) Phenanthrene	12.67	178	2394841	168.27	ng		96
71) Anthracene	12.73	178	874874	62.66	ng		99
72) Carbazole	12.94	167	279102	20.97	ng		99
74) Fluoranthene	14.15	202	3324460	224.17	ng		97
77) Pyrene	14.43	202	3329174	258.95	ng		97
80) Benzo(a)anthracene	15.92	228	1808642	148.04	ng		96
82) Chrysene	15.97	228	1622423m	138.07	ng		
85) Indeno(1,2,3-cd)pyrene	19.02	276	1054603	70.44	ng		96
87) Benzo(b)fluoranthene	17.22	252	2247334m	156.93	ng		
88) Benzo(k)fluoranthene	17.26	252	526932m	38.01	ng		
89) Benzo(a)pyrene	17.61	252	1570018	119.06	ng		97
90) Dibenzo(a,h)anthracene	19.03	278	199806m	14.26	ng		
91) Benzo(g,h,i)perylene	19.42	276	990615	70.53	ng		95

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

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ClientSampleId :
SB-29S

Manual Integrations APPROVED
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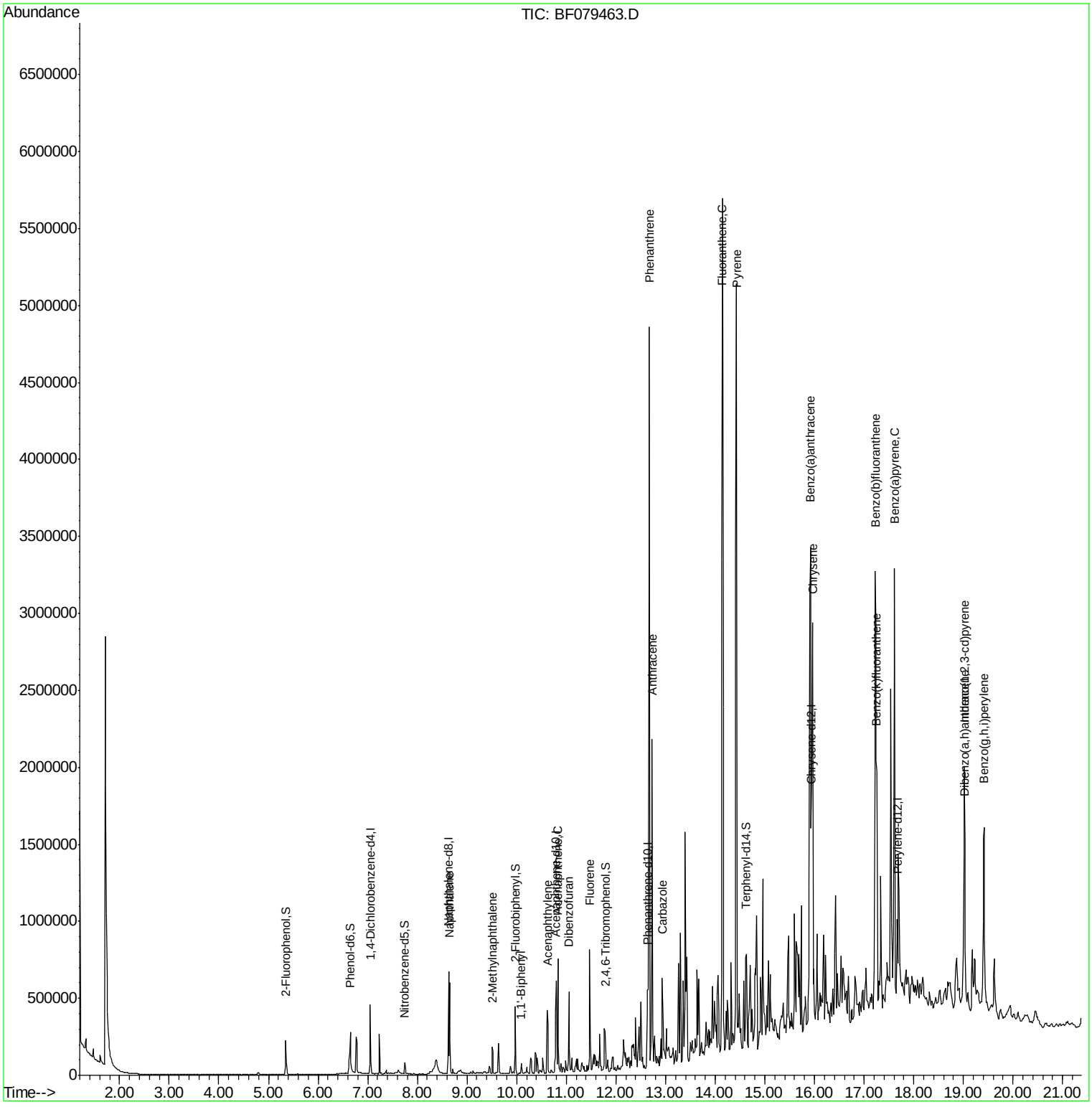
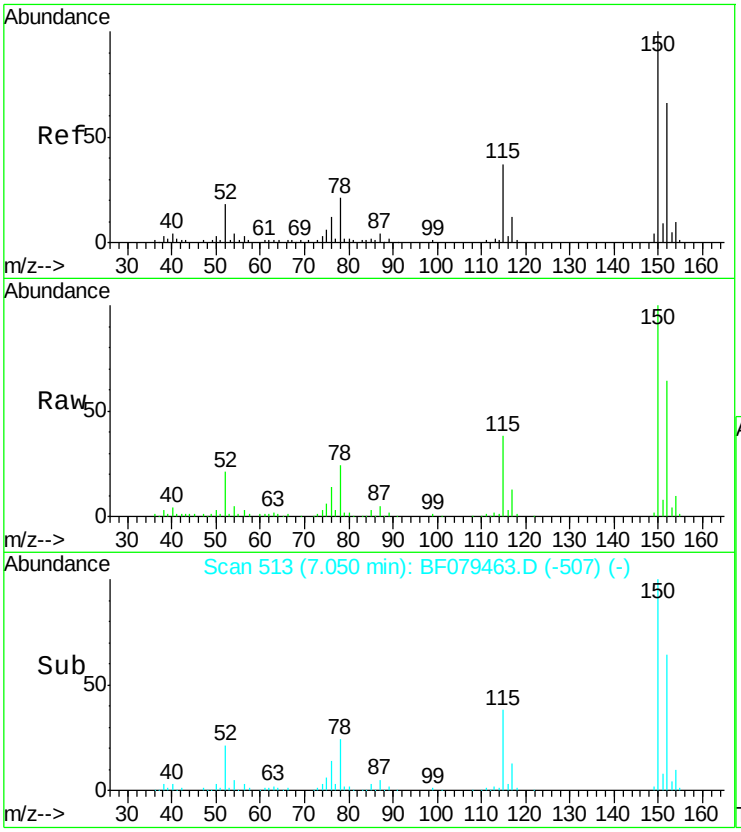
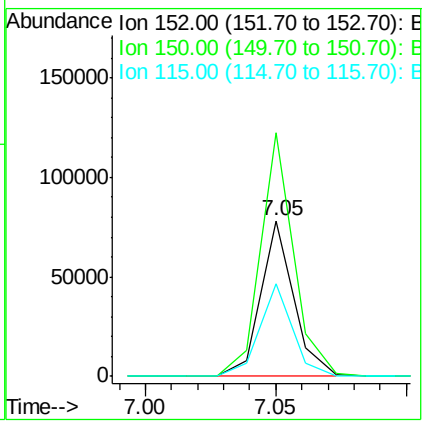




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.05 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:152 Resp: 69142

Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.8	185.8
115	59.2	49.4	74.0



Instrument :
BNA_F
ClientSampleId :
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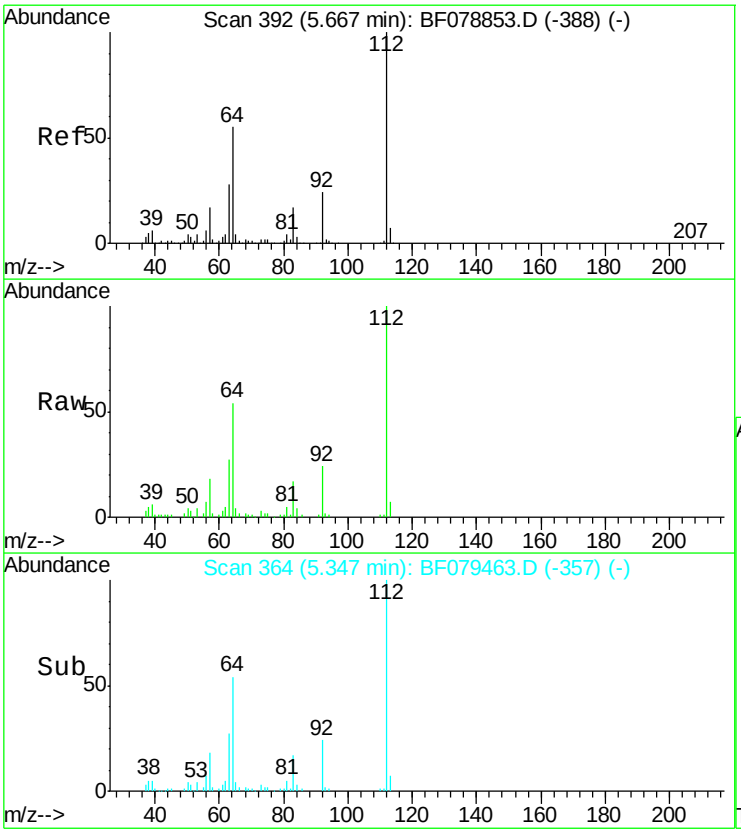
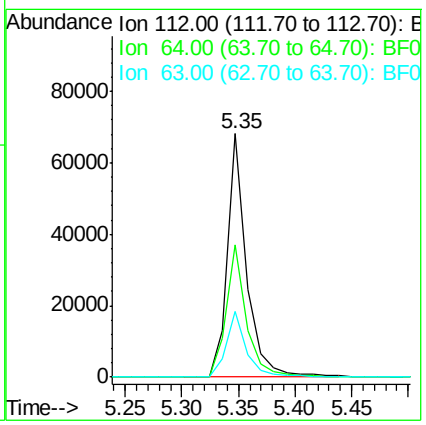
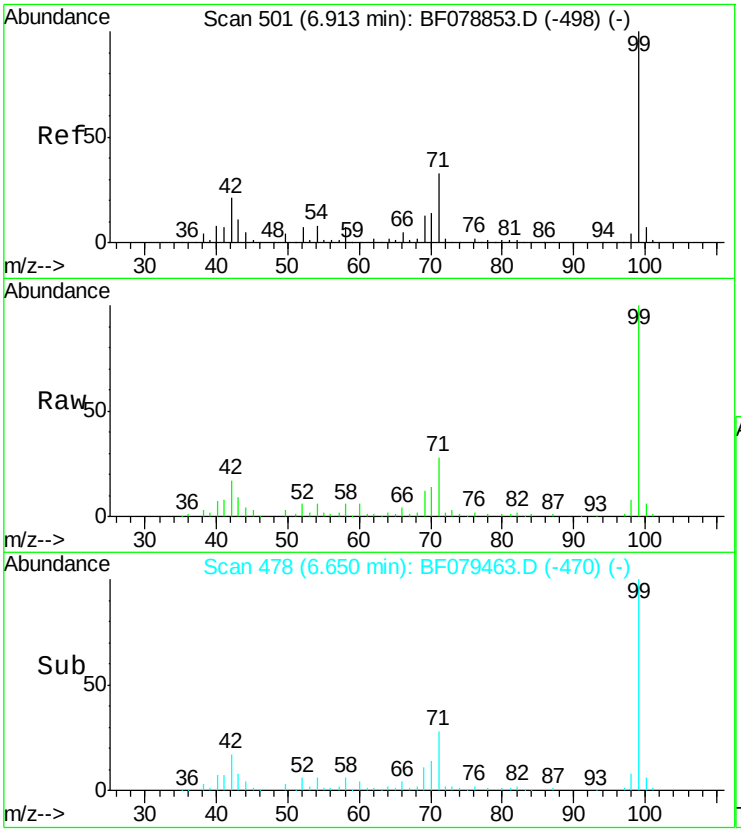


#5
2-Fluorophenol
Concen: 20.31 ng m
RT: 5.35 min Scan# 364
Delta R.T. 0.02 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:112 Resp: 81581

Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.2	66.2
63	26.8	22.7	34.1

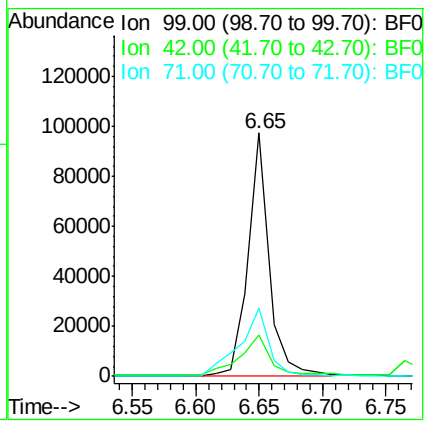




#7
Phenol-d6
Concen: 21.39 ng m
RT: 6.65 min Scan# 478
Delta R.T. 0.02 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion: 99 Resp: 113584

Ion	Ratio	Lower	Upper
99	100		
42	17.2	17.1	25.7
71	28.0	26.3	39.5



Instrument :
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ClientSampleId :
SB-29S

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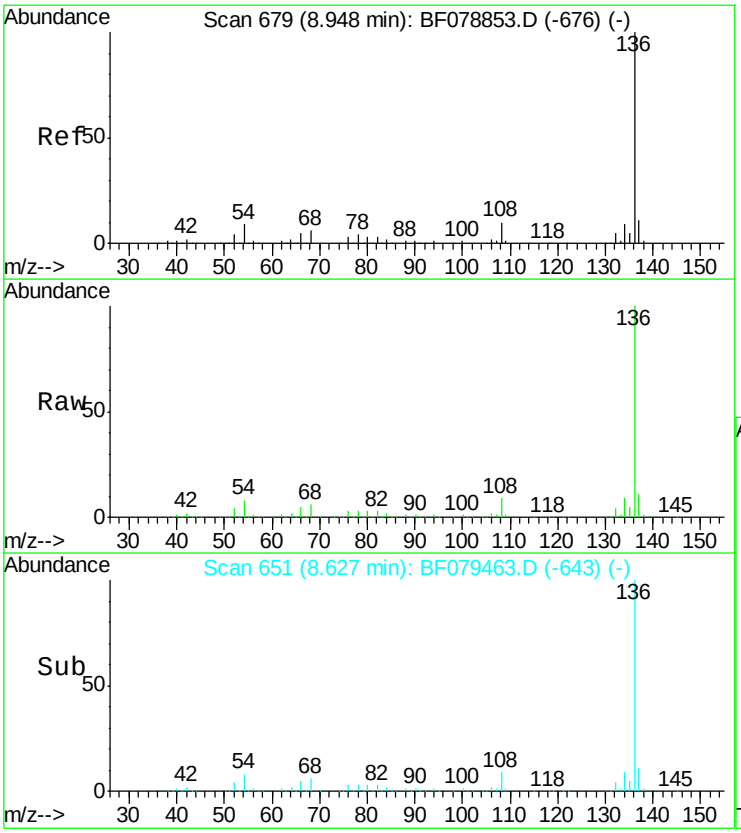
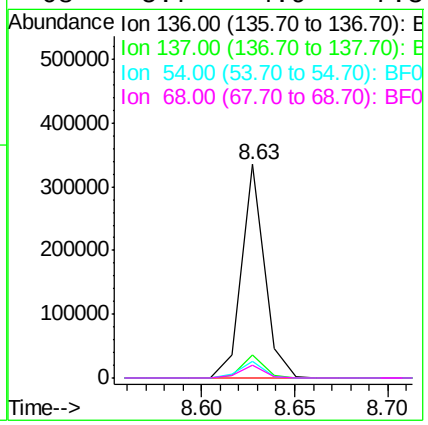
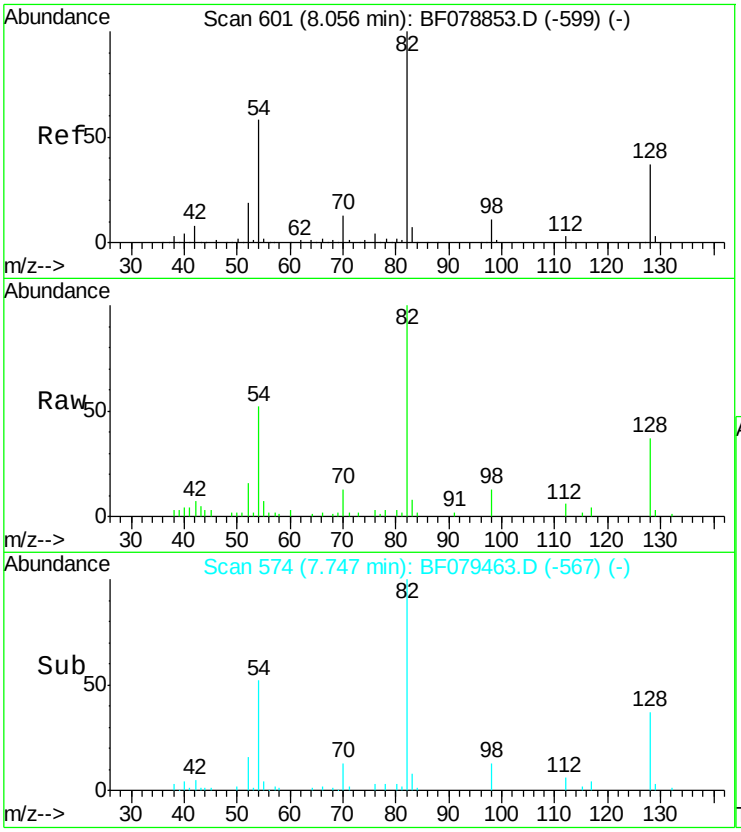


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.63 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:136 Resp: 288239

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.5	6.9	10.3
68	5.7	4.9	7.3

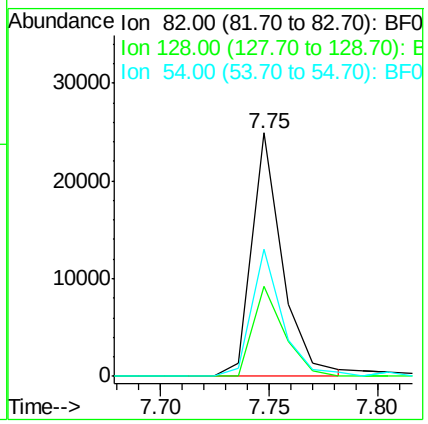




#23
Nitrobenzene-d5
Concen: 4.88 ng
RT: 7.75 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion: 82 Resp: 24468

Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.7	44.5
54	52.4	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SB-29S

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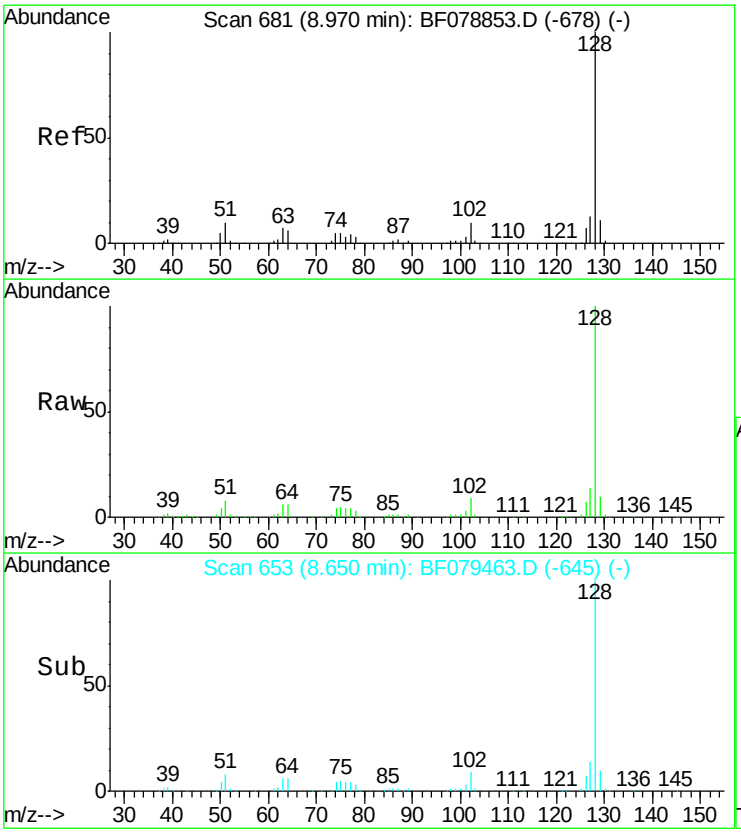
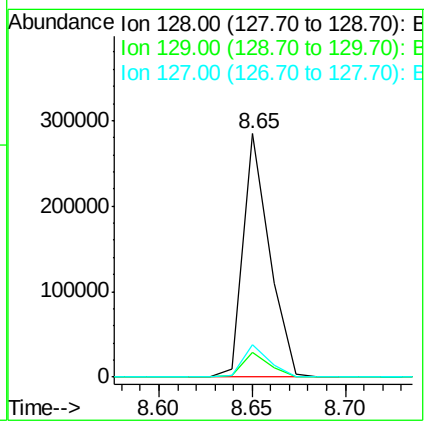
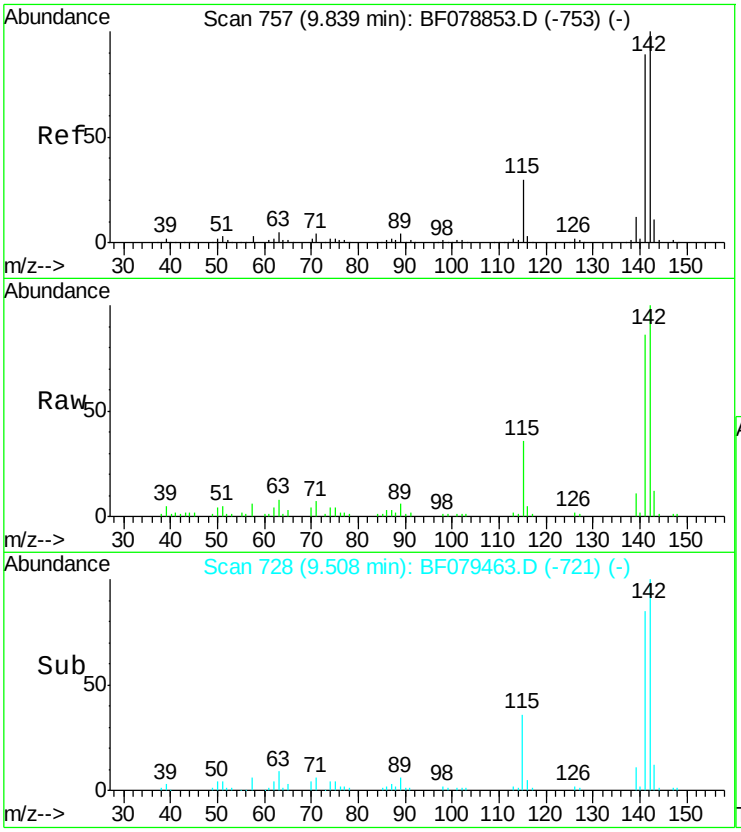


#31
Naphthalene
Concen: 20.43 ng
RT: 8.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:128 Resp: 280524

Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.2	13.8
127	13.5	10.3	15.5

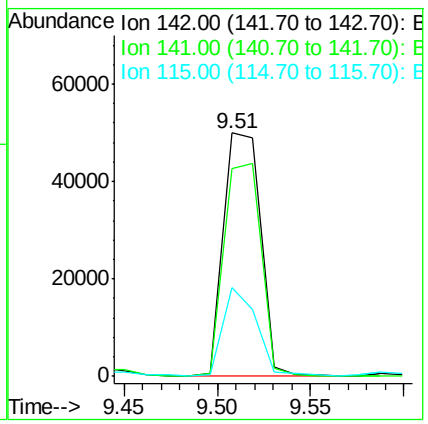




#37
2-Methylnaphthalene
Concen: 7.36 ng
RT: 9.51 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:142 Resp: 70084

Ion	Ratio	Lower	Upper
142	100		
141	85.5	71.6	107.4
115	36.5	24.2	36.4#



Instrument :
BNA_F
ClientSampleId :
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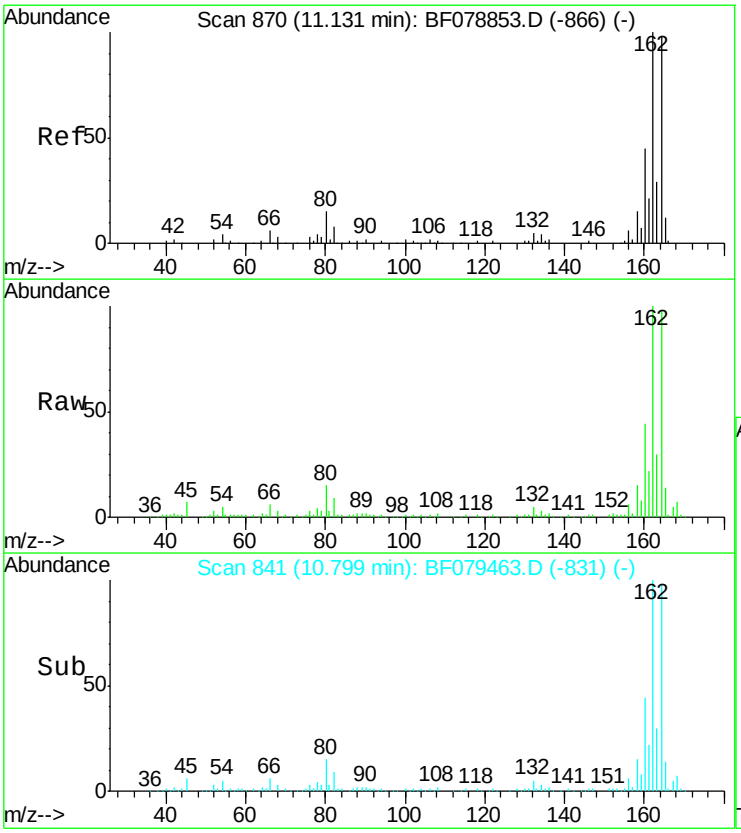
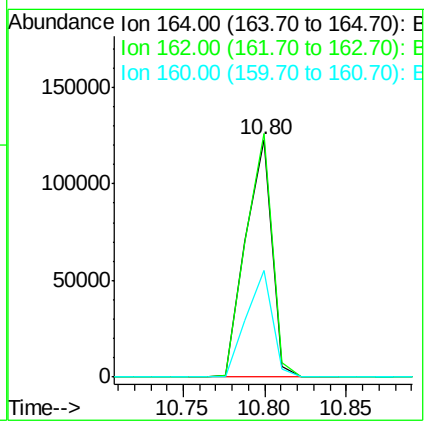
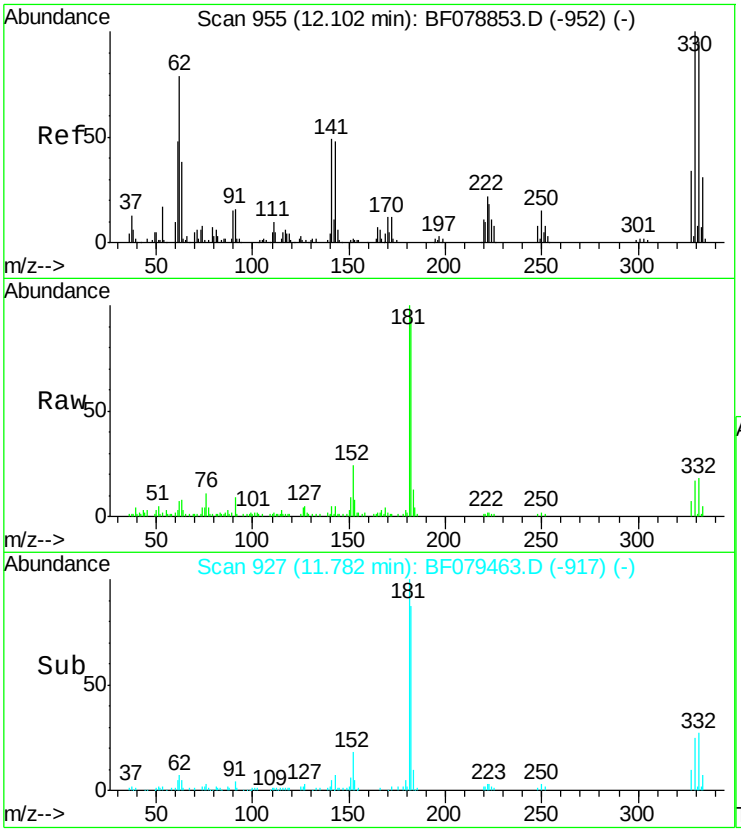


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:164 Resp: 137224

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.0
160	44.6	36.6	54.8





#41
2,4,6-Tribromophenol
Concen: 6.73 ng
RT: 11.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:330 Resp: 9989

Ion	Ratio	Lower	Upper
330	100		
332	102.1	76.9	115.3
141	60.0	27.8	41.8#

Instrument :
BNA_F
ClientSampleId :
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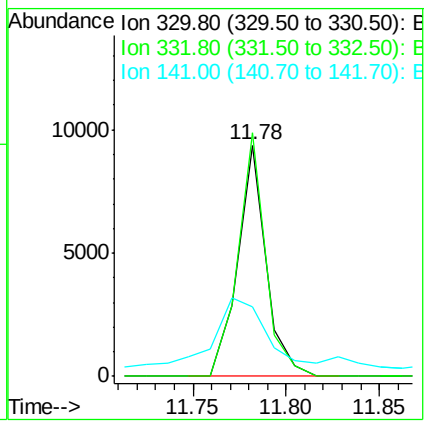
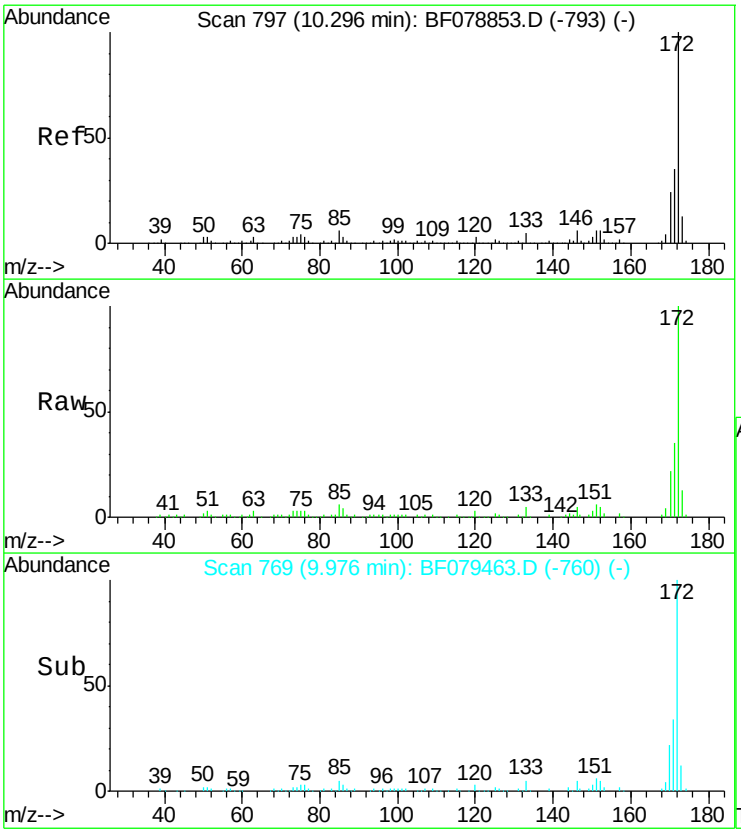
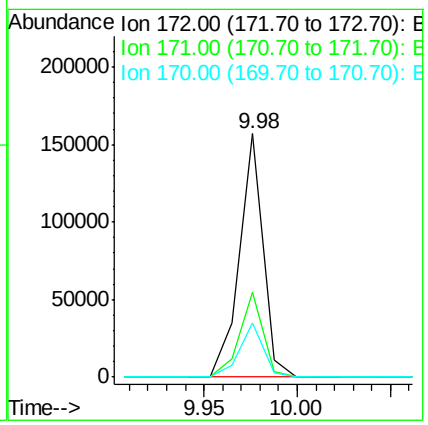


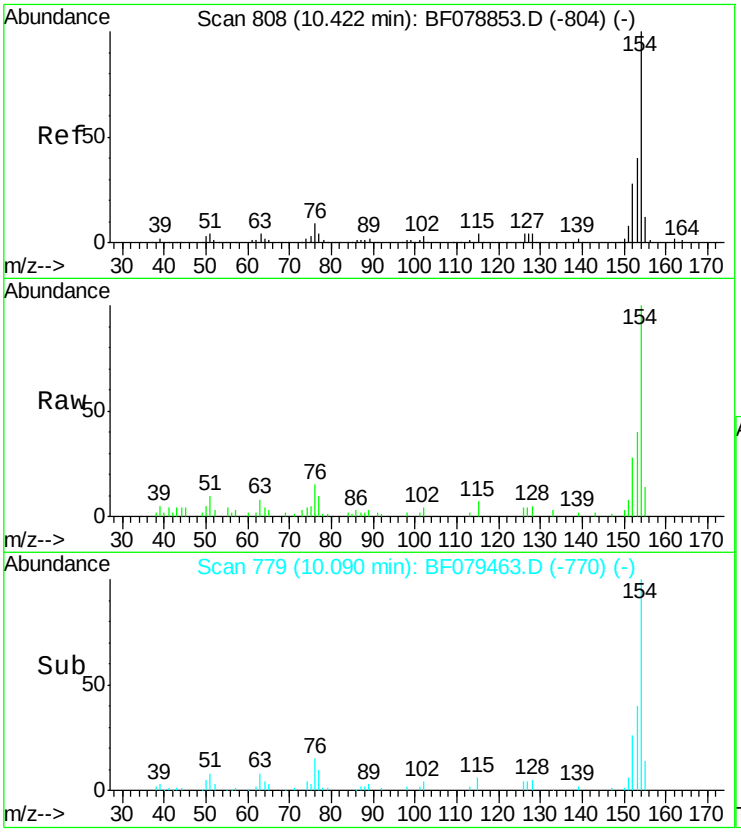


#44
2-Fluorobiphenyl
Concen: 14.21 ng
RT: 9.98 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:172 Resp: 139921

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.3	42.5
170	22.5	19.4	29.2

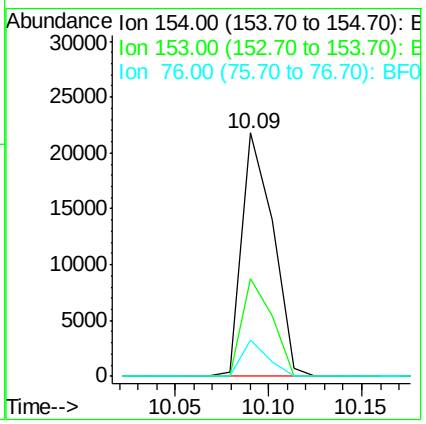




#45
1,1'-Biphenyl
Concen: 2.32 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:154 Resp: 25300

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.7	59.7
76	14.7	0.0	29.1



Instrument :
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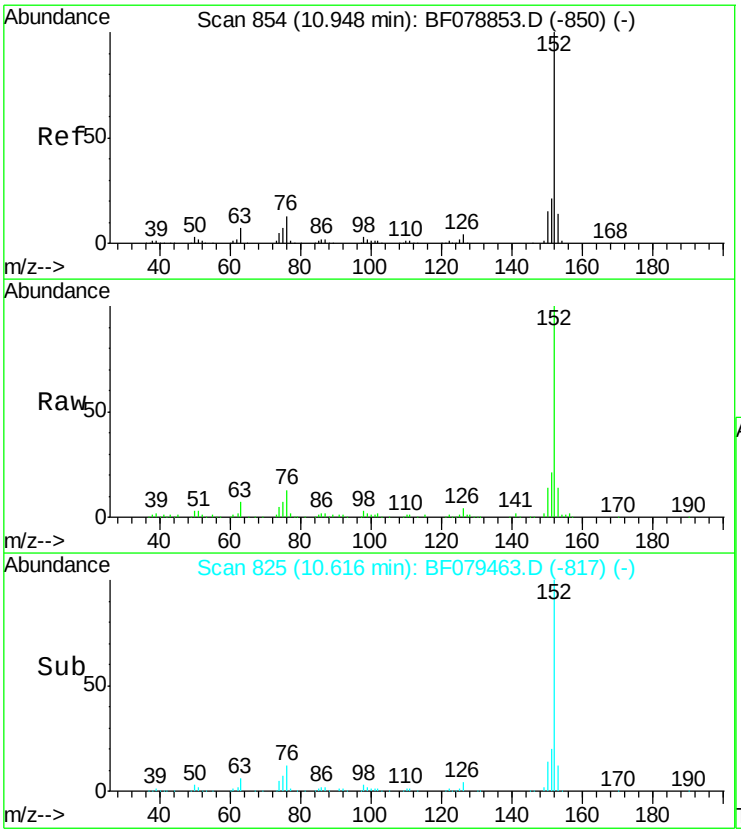
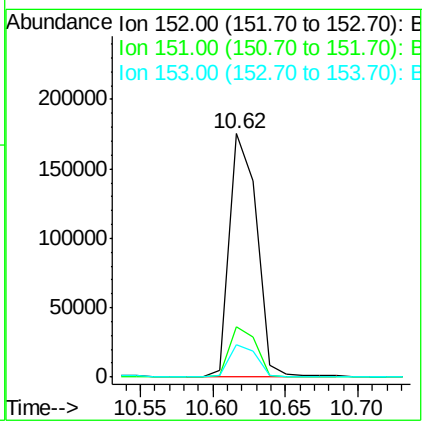
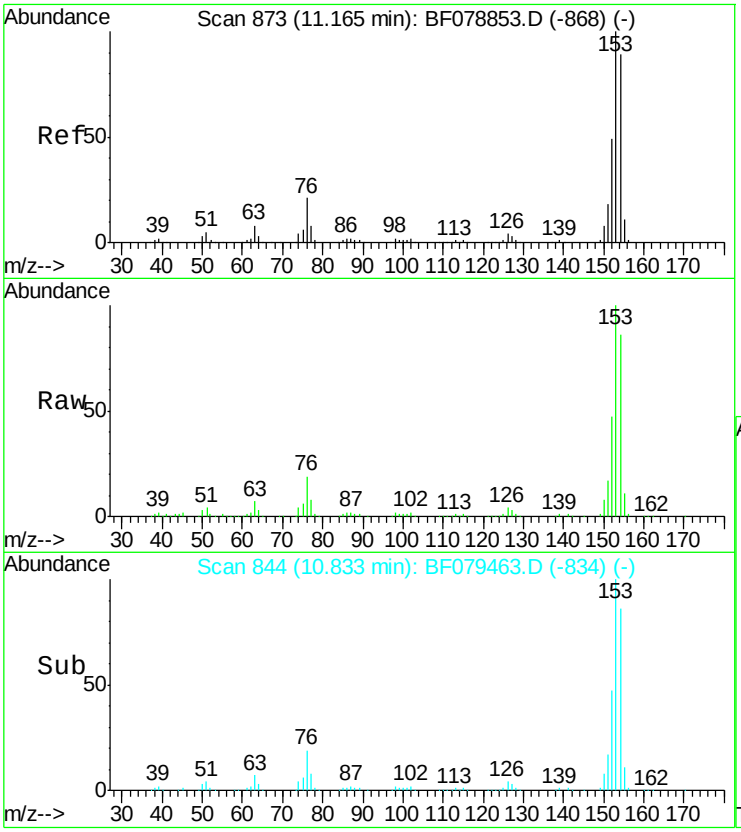


#48
Acenaphthylene
Concen: 16.51 ng
RT: 10.62 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:152 Resp: 230698

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	24.8
153	13.6	11.0	16.6

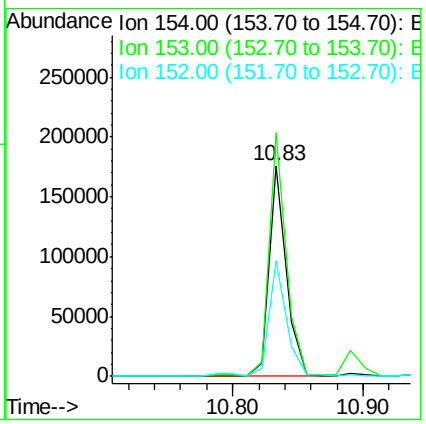




#51
Acenaphthene
Concen: 19.41 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:154 Resp: 161748

Ion	Ratio	Lower	Upper
154	100		
153	115.7	90.2	135.2
152	54.7	43.8	65.8



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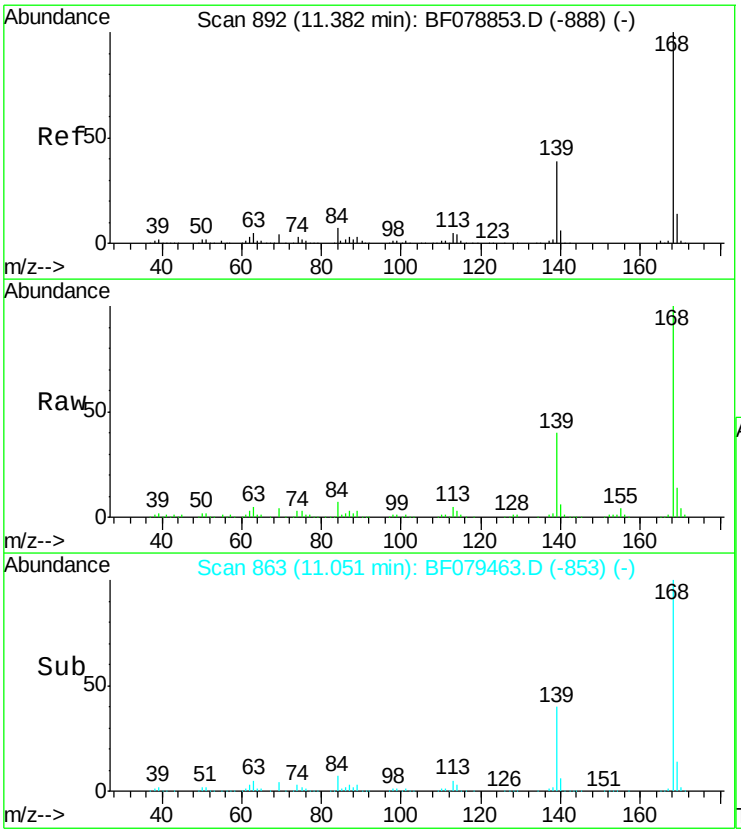
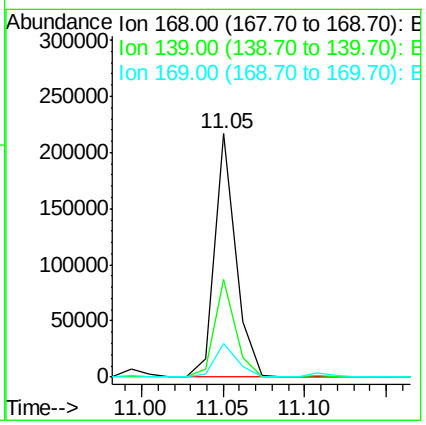
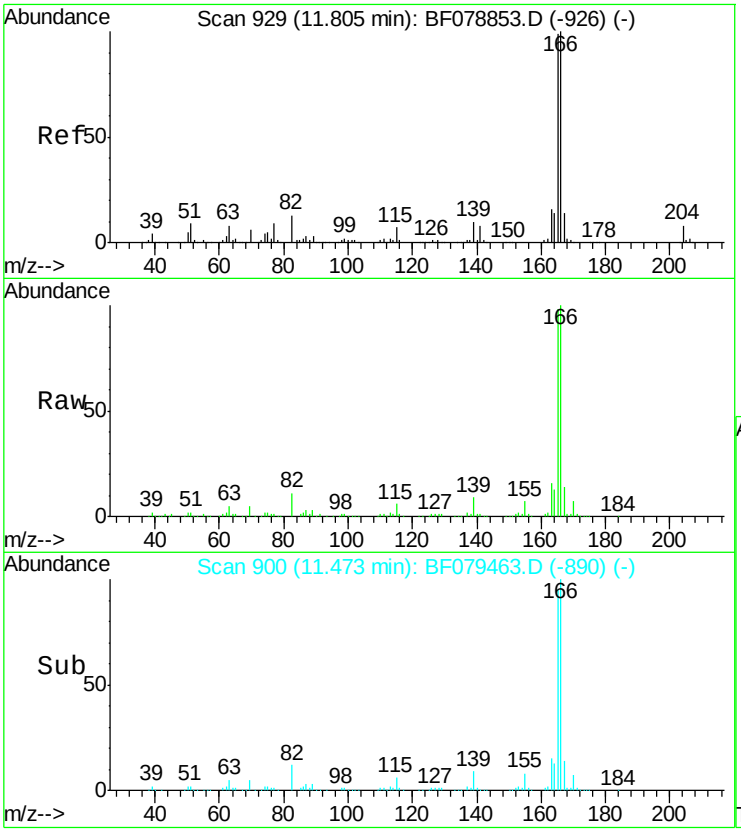


#54
Dibenzofuran
Concen: 16.20 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:168 Resp: 194932

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.5	47.3
169	13.7	11.0	16.4

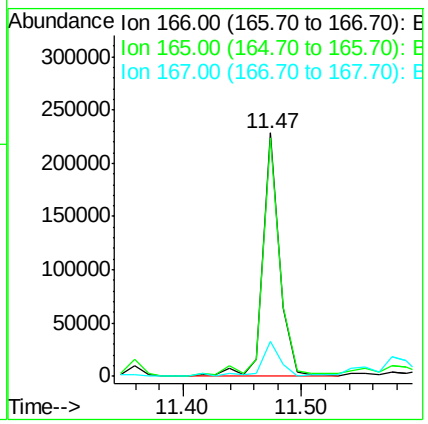




#57
Fluorene
Concen: 22.80 ng
RT: 11.47 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:166 Resp: 225245

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.5	119.3
167	14.3	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
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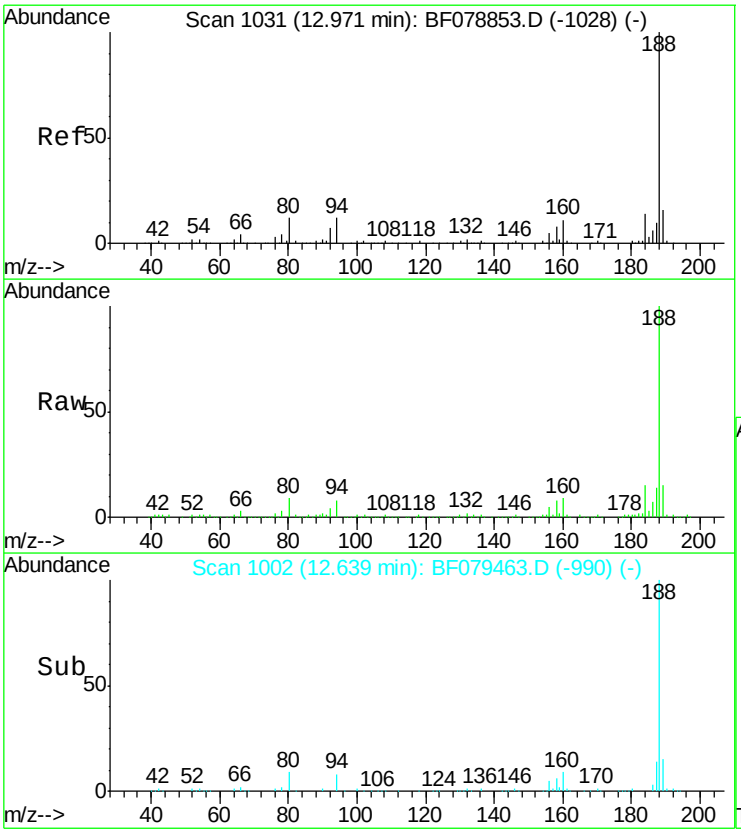
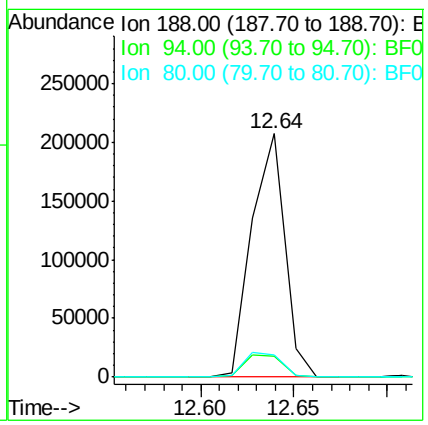
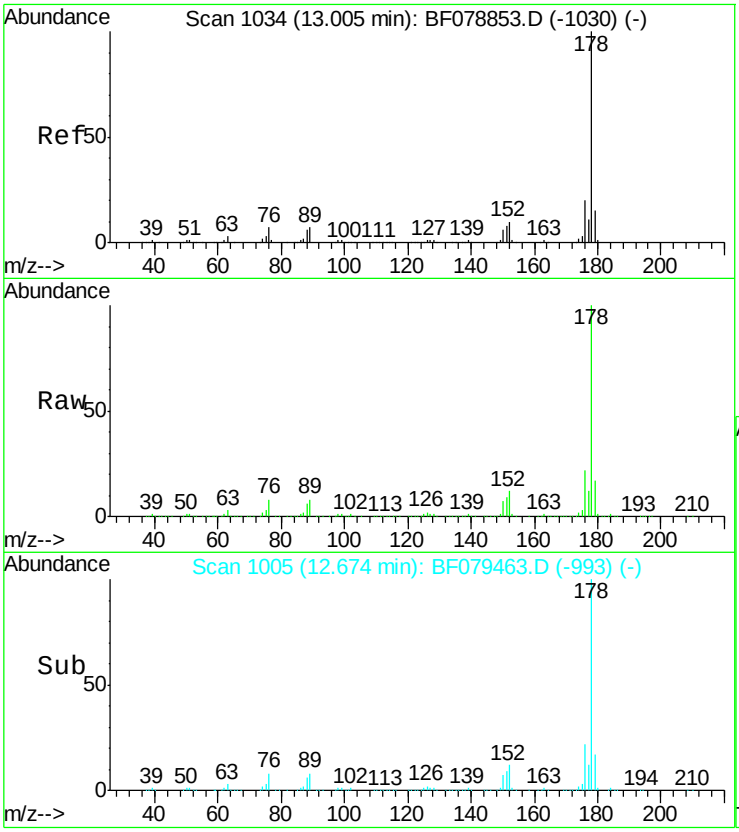


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.64 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:188 Resp: 254397

Ion	Ratio	Lower	Upper
188	100		
94	8.5	9.4	14.0#
80	8.9	9.8	14.6#

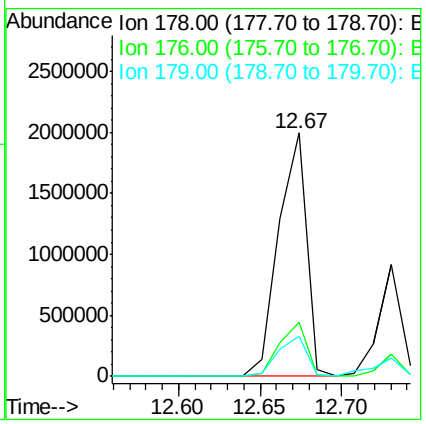




#70
Phenanthrene
Concen: 168.27 ng
RT: 12.67 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:178 Resp: 2394841

Ion	Ratio	Lower	Upper
178	100		
176	22.0	15.9	23.9
179	16.6	12.2	18.4



Instrument :
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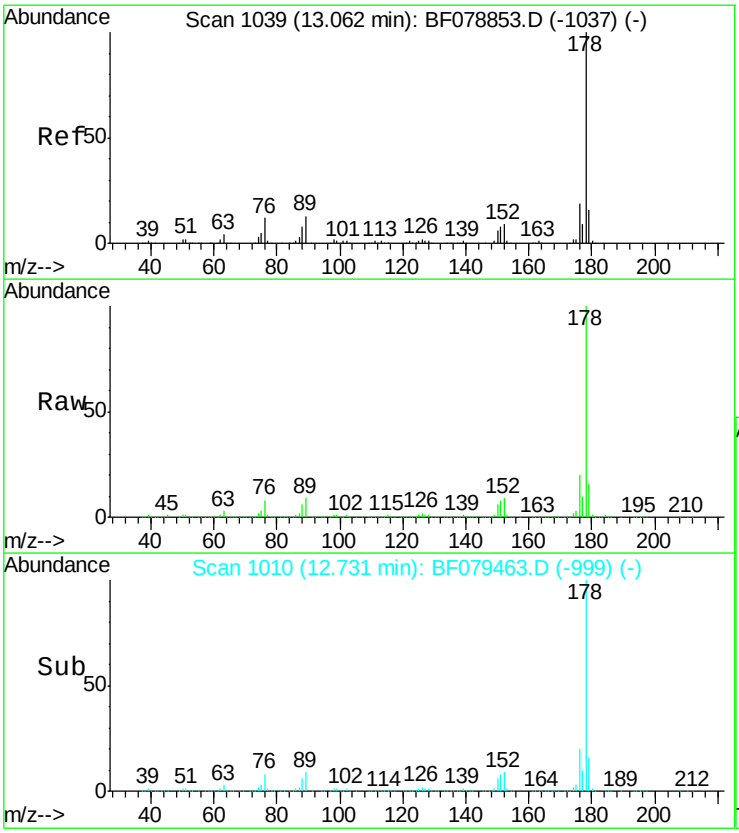
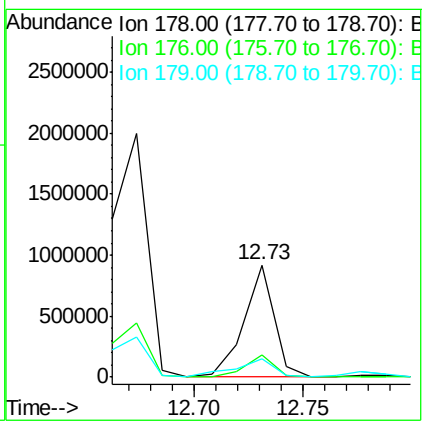
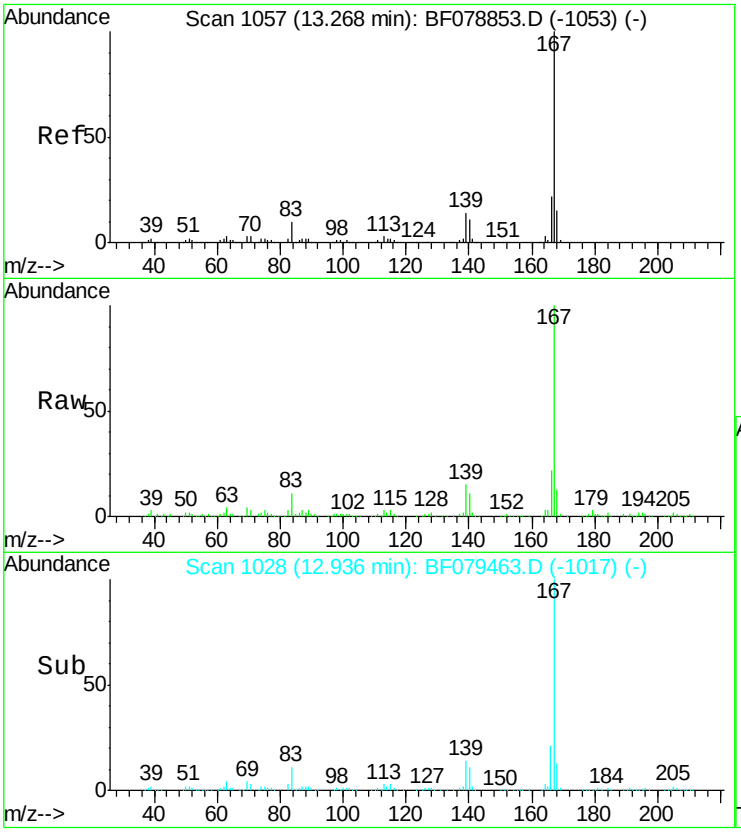


#71
Anthracene
Concen: 62.66 ng
RT: 12.73 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:178 Resp: 874874

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	16.0	12.6	19.0

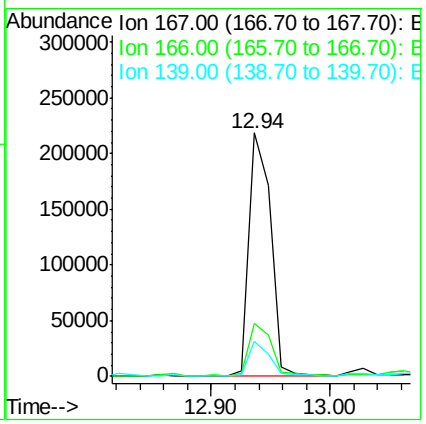




#72
Carbazole
Concen: 20.97 ng
RT: 12.94 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:167 Resp: 279102

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	14.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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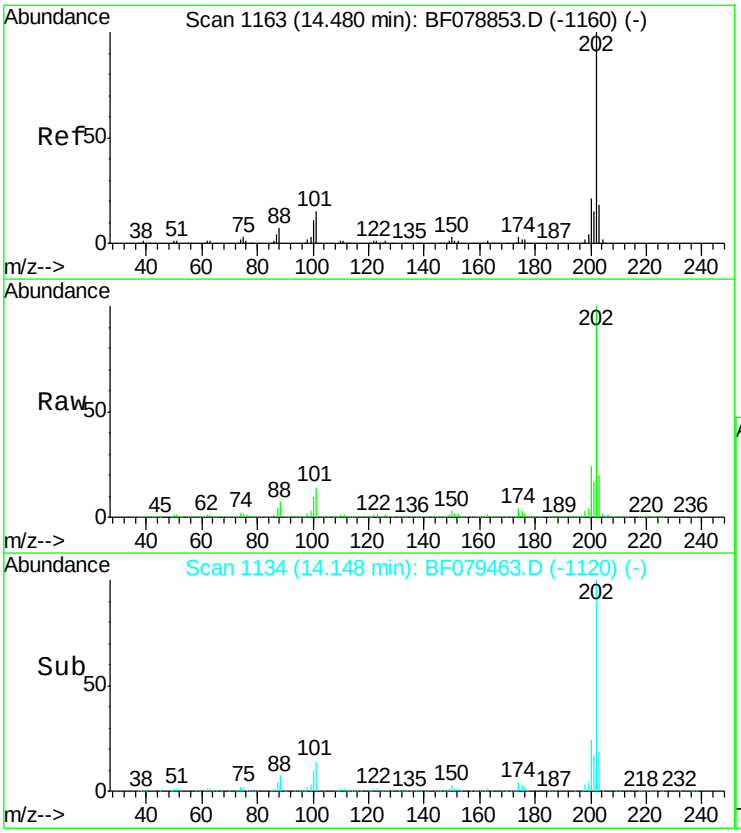
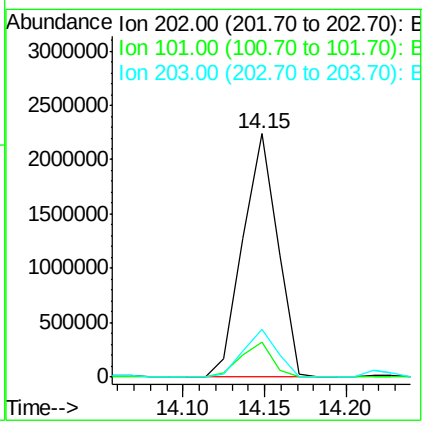
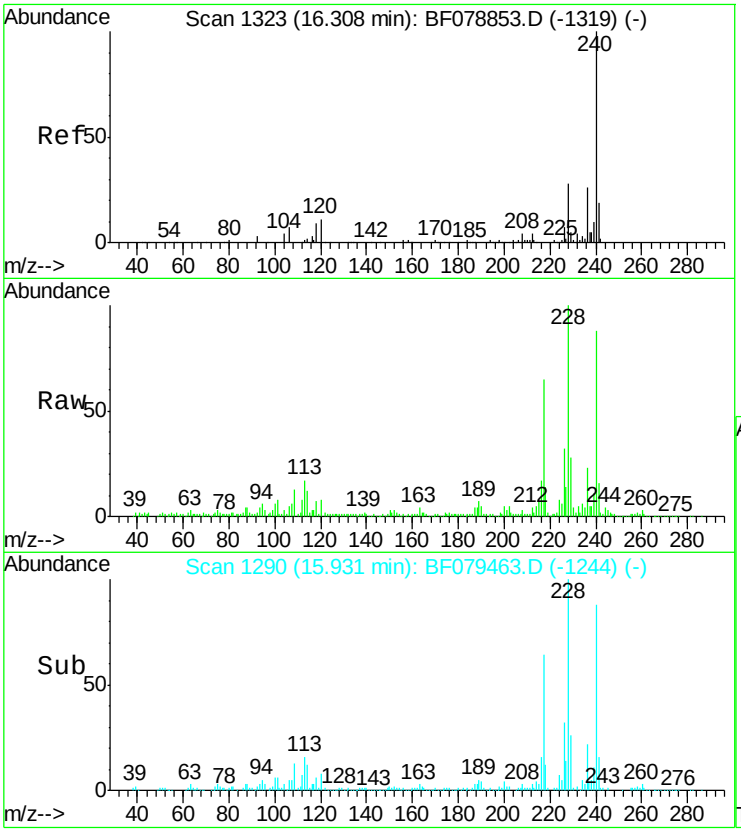


#74
Fluoranthene
Concen: 224.17 ng
RT: 14.15 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:202 Resp: 3324460

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.7
203	19.8	0.0	37.9

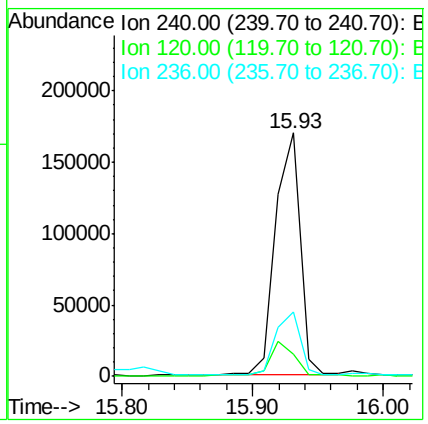




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.93 min Scan# 1290
Delta R.T. 0.02 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:240 Resp: 223104

Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.6	12.8
236	26.4	21.0	31.6



Instrument :
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ClientSampleId :
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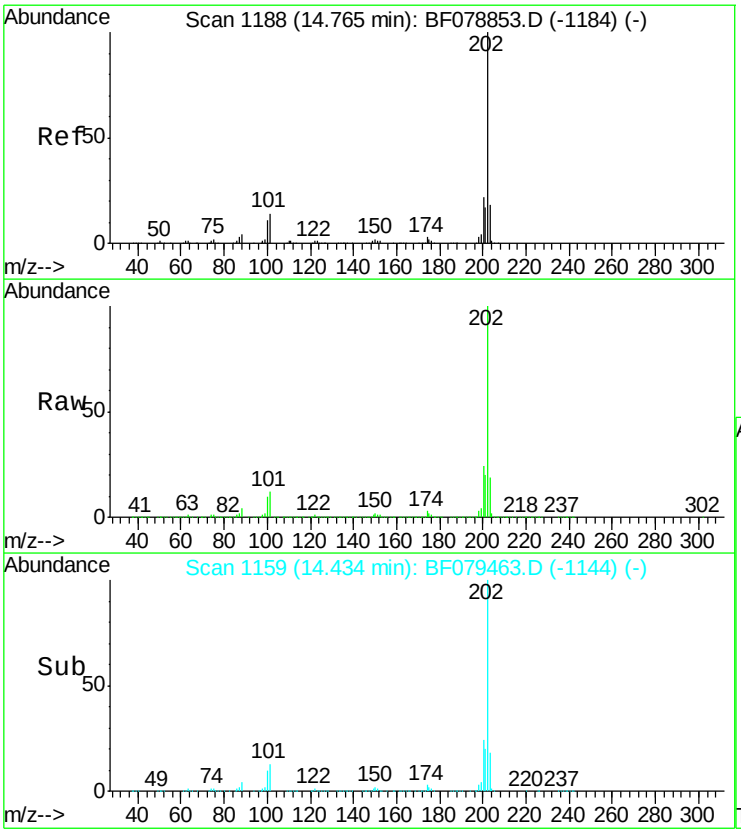
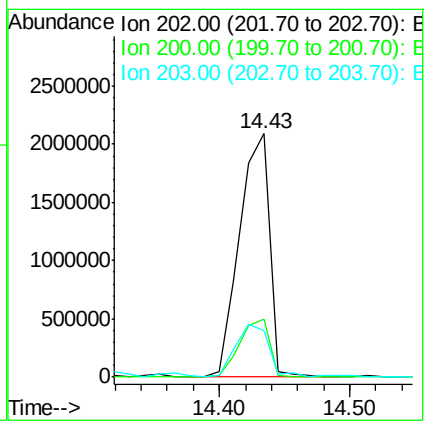
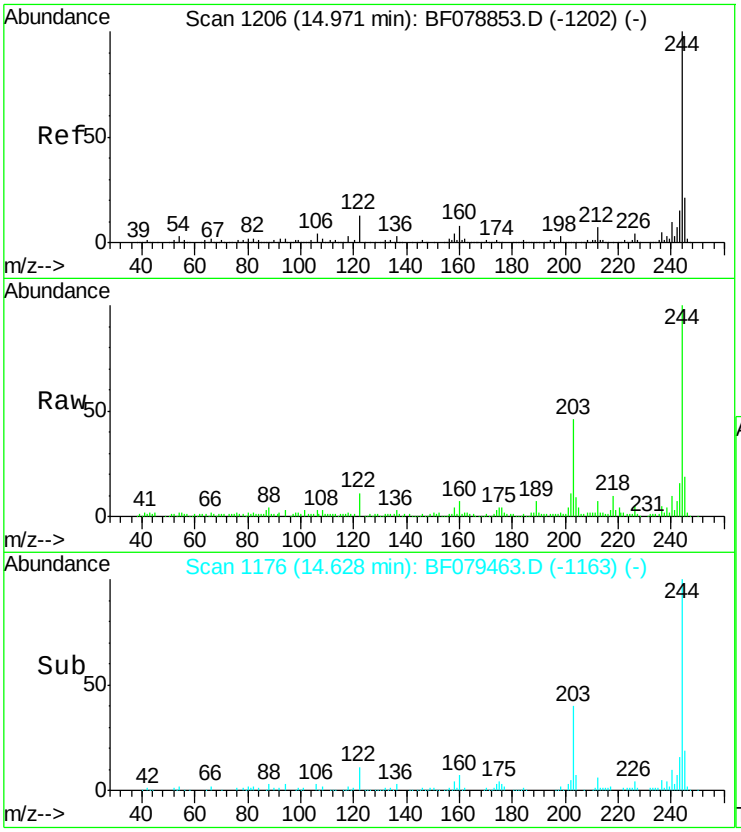


#77
Pyrene
Concen: 258.95 ng
RT: 14.43 min Scan# 1159
Delta R.T. 0.02 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:202 Resp: 3329174

Ion	Ratio	Lower	Upper
202	100		
200	24.0	17.5	26.3
203	19.0	14.7	22.1

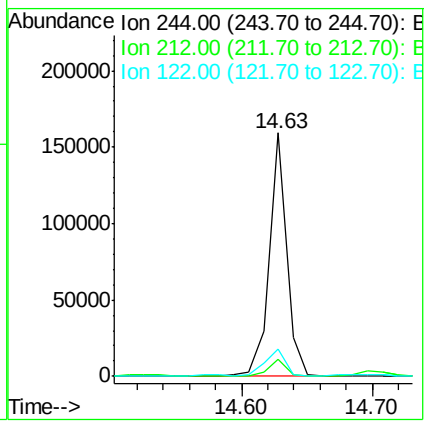




#78
Terphenyl-d14
Concen: 16.19 ng
RT: 14.63 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:244 Resp: 150895

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.5	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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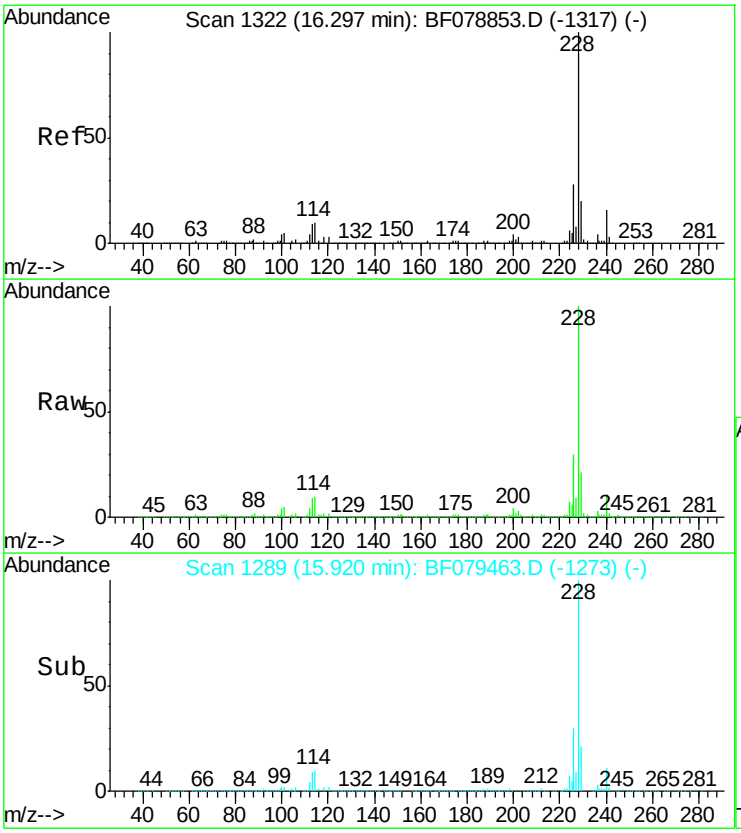
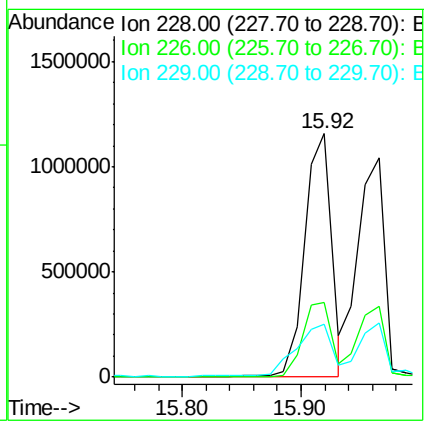
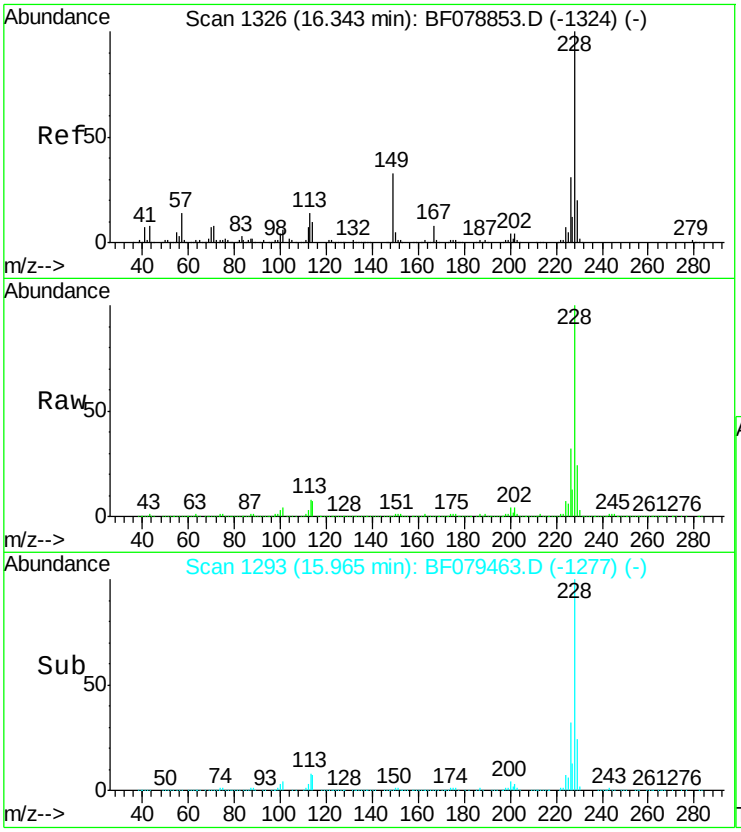


#80
Benzo(a)anthracene
Concen: 148.04 ng
RT: 15.92 min Scan# 1289
Delta R.T. 0.02 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:228 Resp: 1808642

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.3	33.5
229	21.5	16.1	24.1





#82
Chrysene
Concen: 138.07 ng m
RT: 15.97 min Scan# 1293
Delta R.T. 0.02 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:228 Resp: 1622423

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.8	37.2
229	24.5	16.1	24.1#

Instrument :
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ClientSampleId :
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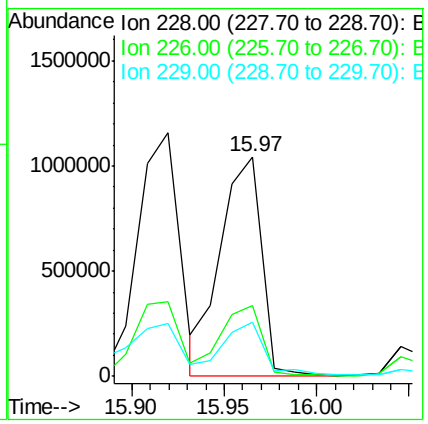
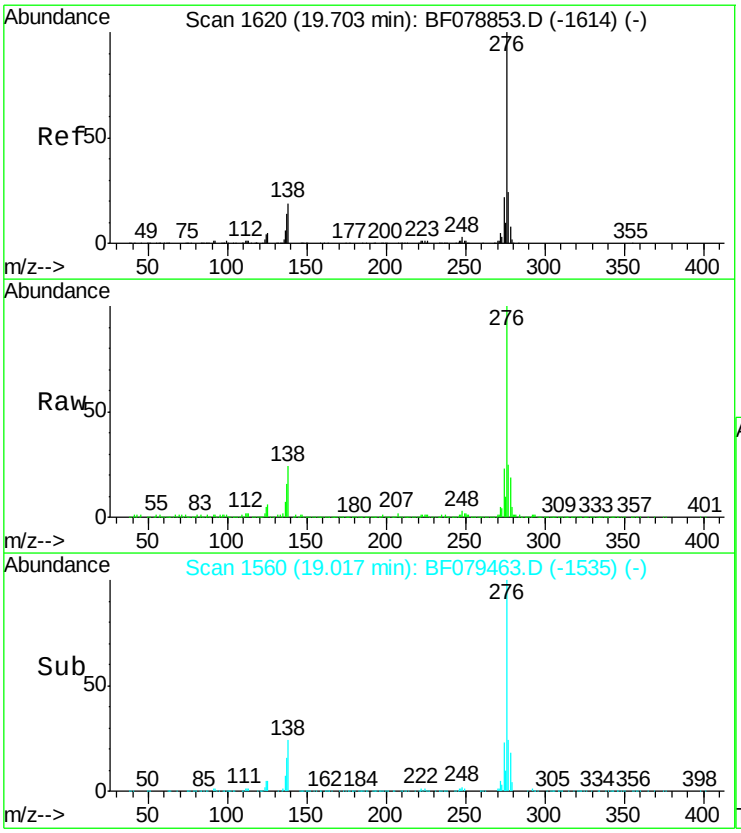
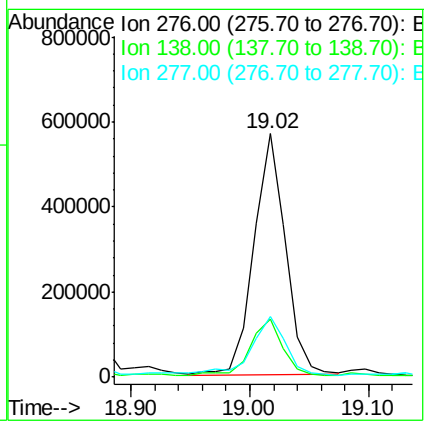


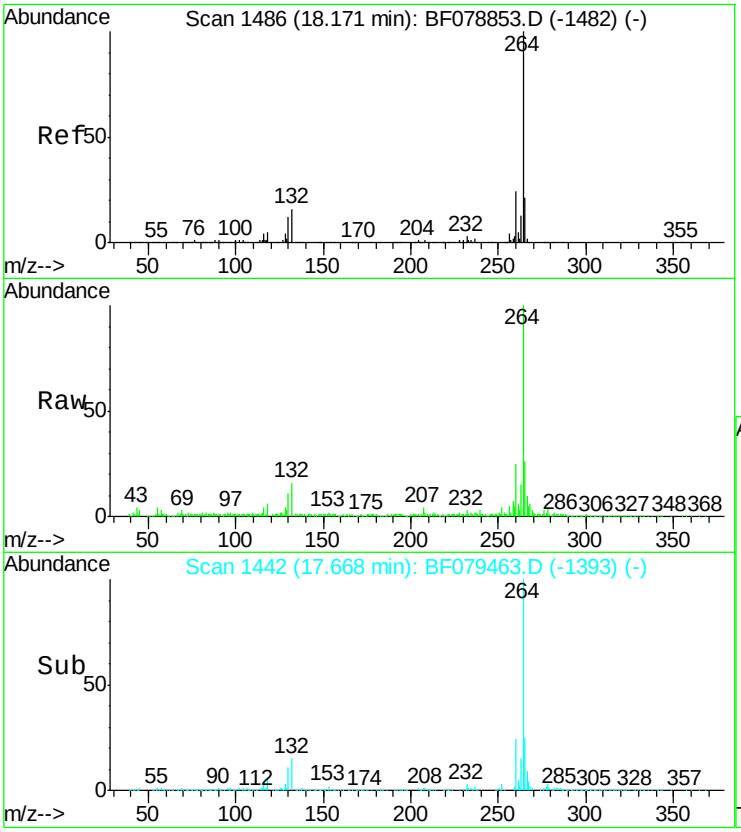


#85
Indeno(1,2,3-cd)pyrene
Concen: 70.44 ng
RT: 19.02 min Scan# 1560
Delta R.T. 0.08 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:276 Resp: 1054603

Ion	Ratio	Lower	Upper
276	100		
138	24.6	21.1	31.7
277	27.4	19.9	29.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 17.67 min Scan# 1442
Delta R.T. 0.06 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:264 Resp: 261638

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	26.0	17.2	25.8#

Instrument :
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ClientSampleId :
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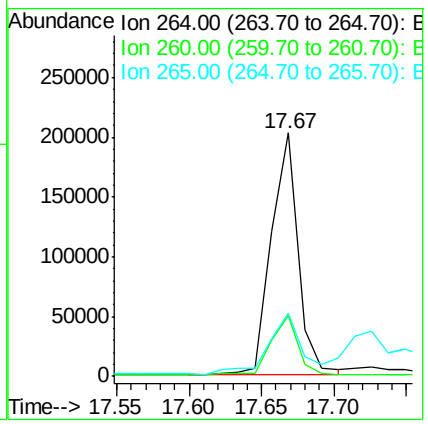
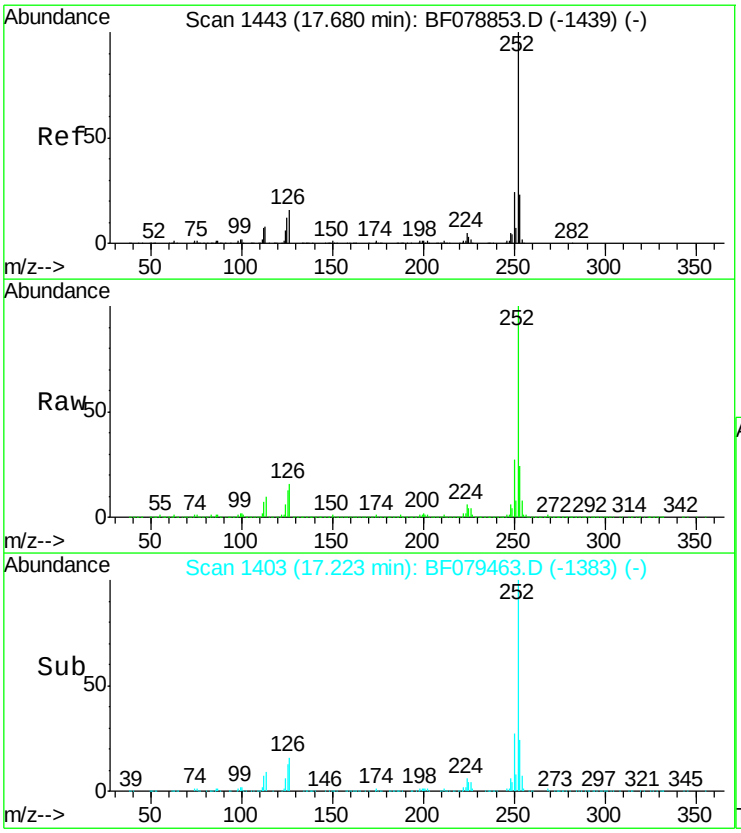
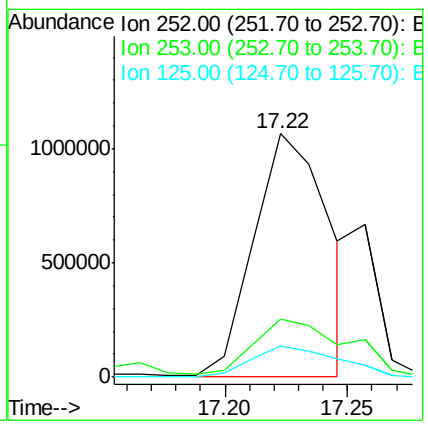


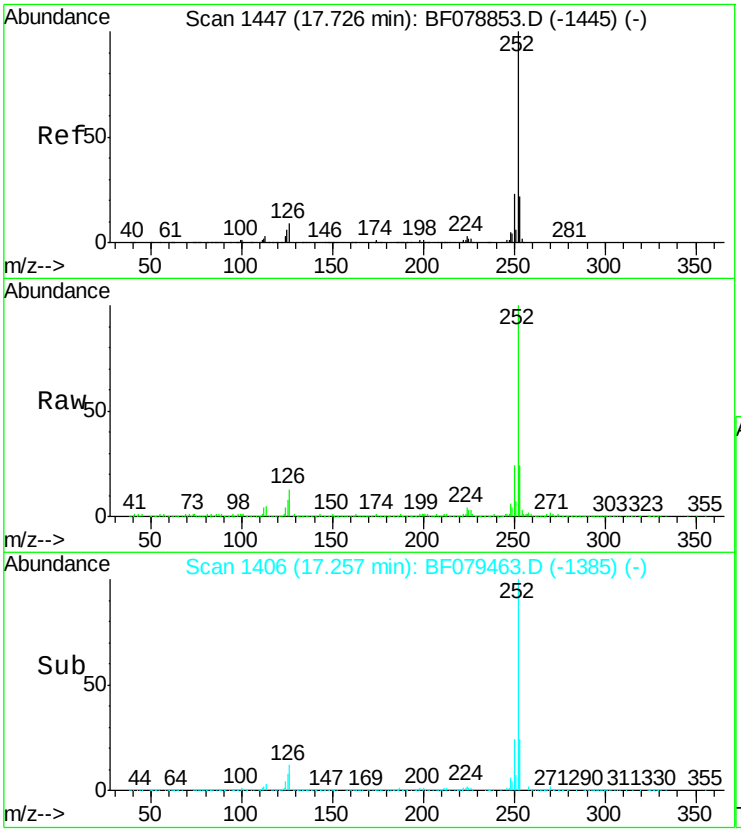


#87
Benzo(b)fluoranthene
Concen: 156.93 ng m
RT: 17.22 min Scan# 1403
Delta R.T. 0.05 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:252 Resp: 2247334

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	12.7	9.4	14.2

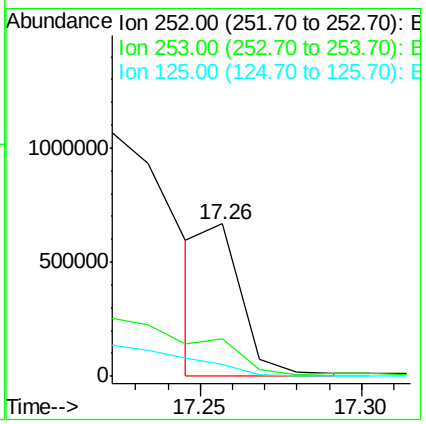




#88
Benzo(k)fluoranthene
Concen: 38.01 ng m
RT: 17.26 min Scan# 1406
Delta R.T. 0.06 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:252 Resp: 526932

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	8.1	6.1	9.1



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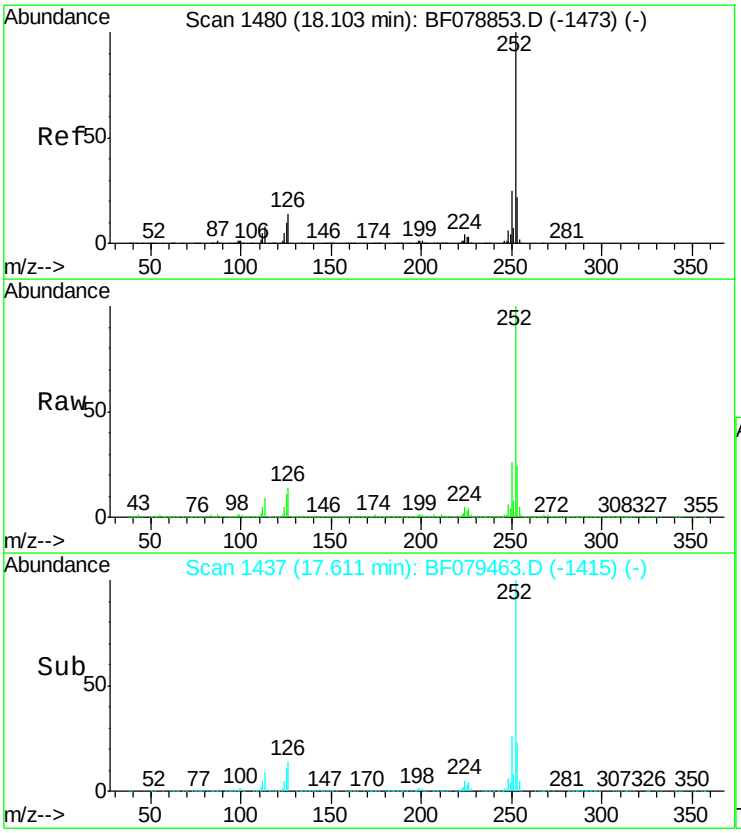
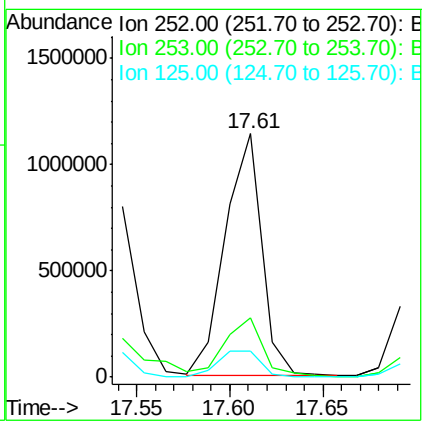
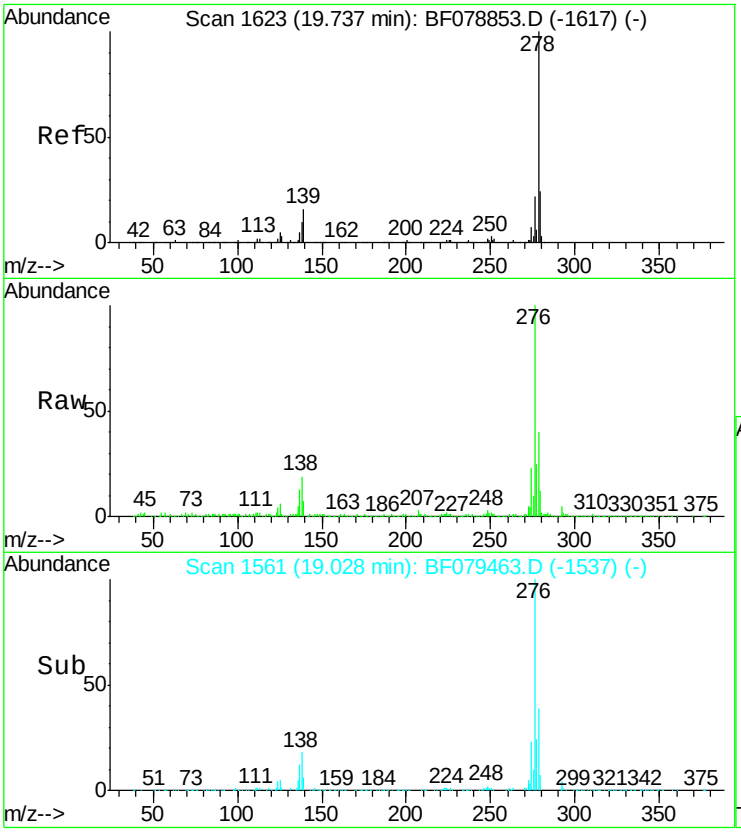


#89
Benzo(a)pyrene
Concen: 119.06 ng
RT: 17.61 min Scan# 1437
Delta R.T. 0.07 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:252 Resp: 1570018

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	10.6	8.2	12.2





#90
Dibenzo(a,h)anthracene
Concen: 14.26 ng m
RT: 19.03 min Scan# 1561
Delta R.T. 0.07 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:278 Resp: 199806

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.1	19.7
279	29.6	19.1	28.7#

Instrument :
BNA_F
ClientSampleId :
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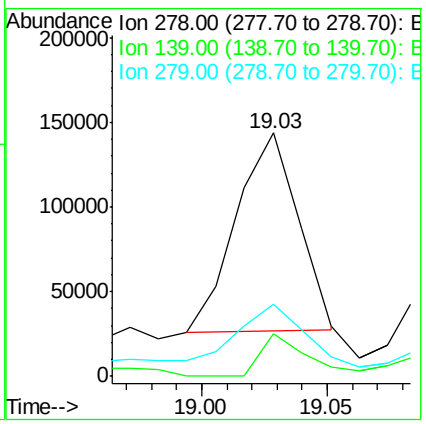

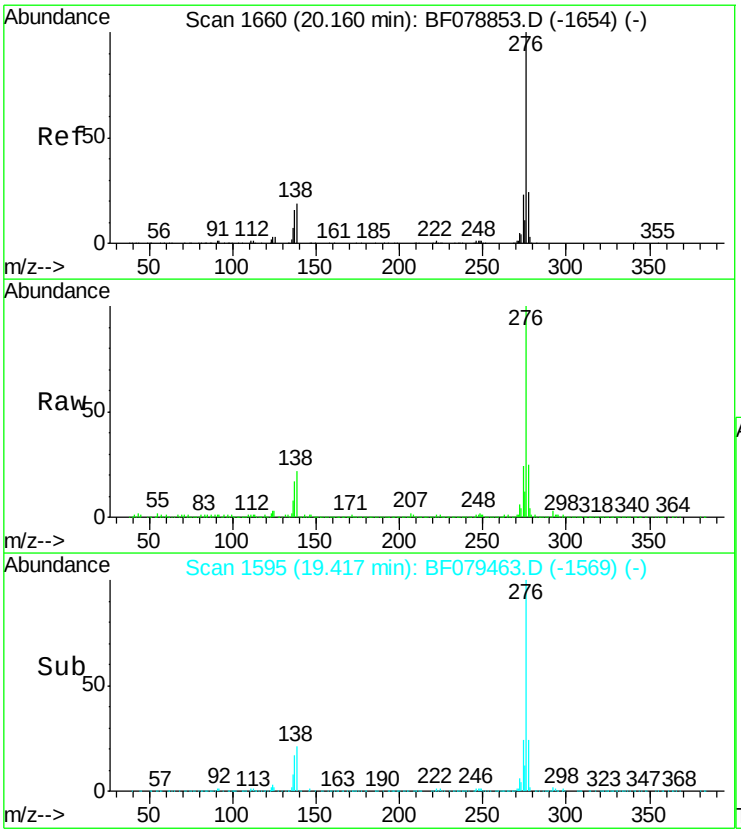

#91
Benzo(g,h,i)perylene
Concen: 70.53 ng
RT: 19.42 min Scan# 1595
Delta R.T. 0.09 min
Lab File: BF079463.D
Acq: 23 May 2015 8:23

Tgt Ion:276 Resp: 990615

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	21.7	15.2	22.8