Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085607.D
Acq On : 20 Mar 2016 9:26
Operator : UM/SJ
Sample : H1815-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-08-COMP

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Quant Time: Mar 21 12:31:53 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121424	20.00	ng		-0.01
21) Naphthalene-d8	8.14	136	508495	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	219001	20.00	ng		-0.01
63) Phenanthrene-d10	11.37	188	372264	20.00	ng		-0.01
75) Chrysene-d12	14.03	240	207415	20.00	ng		0.01
86) Perylene-d12	15.45	264	263790	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	733534	101.47	ng		0.00
7) Phenol-d6	6.48	99	919486	99.17	ng		-0.01
23) Nitrobenzene-d5	7.42	82	685280	78.23	ng		-0.01
41) 2,4,6-Tribromophenol	10.68	330	197177	91.91	ng		-0.01
44) 2-Fluorobiphenyl	9.21	172	877176	64.26	ng		-0.01
78) Terphenyl-d14	12.96	244	566430	65.72	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.16	128	176538	6.88	ng		97
37) 2-Methylnaphthalene	8.85	142	70653	4.52	ng		97
48) Acenaphthylene	9.75	152	85608	3.83	ng		97
49) Dimethylphthalate	9.60	163	147242	8.91	ng	#	98
51) Acenaphthene	9.92	154	298151	21.27	ng		100
54) Dibenzofuran	10.09	168	238582	13.98	ng		98
57) Fluorene	10.44	166	250806	17.63	ng		100
70) Phenanthrene	11.41	178	3285395	167.38	ng		98
71) Anthracene	11.45	178	794071	38.58	ng		100
72) Carbazole	11.60	167	250445	14.11	ng		99
74) Fluoranthene	12.61	202	3301653	160.64	ng		91
77) Pyrene	12.84	202	3033770	203.71	ng		96
80) Benzo(a)anthracene	14.01	228	1541391	128.01	ng		97
82) Chrysene	14.05	228	1231349m	106.29	ng		
85) Indeno(1,2,3-cd)pyrene	16.86	276	748754	77.35	ng		94
87) Benzo(b)fluoranthene	15.05	252	1854233m	107.73	ng		
88) Benzo(k)fluoranthene	15.07	252	392745m	27.70	ng		
89) Benzo(a)pyrene	15.41	252	1399985m	95.94	ng		
90) Dibenzo(a,h)anthracene	16.87	278	193227	15.88	ng		96
91) Benzo(g,h,i)perylene	17.28	276	678757	57.62	ng		98

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

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Instrument :
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ClientSampleId :
SB-08-COMP

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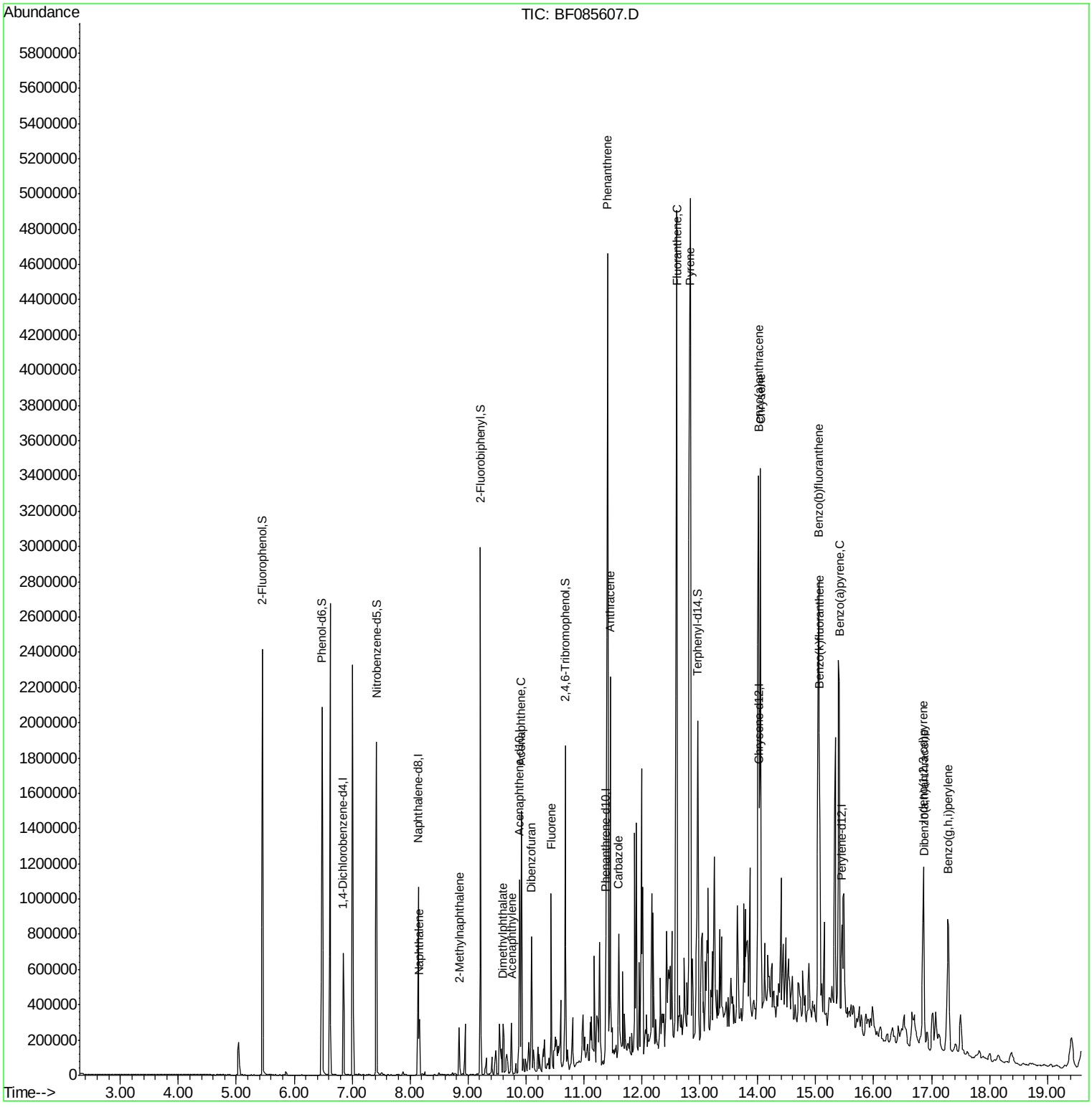
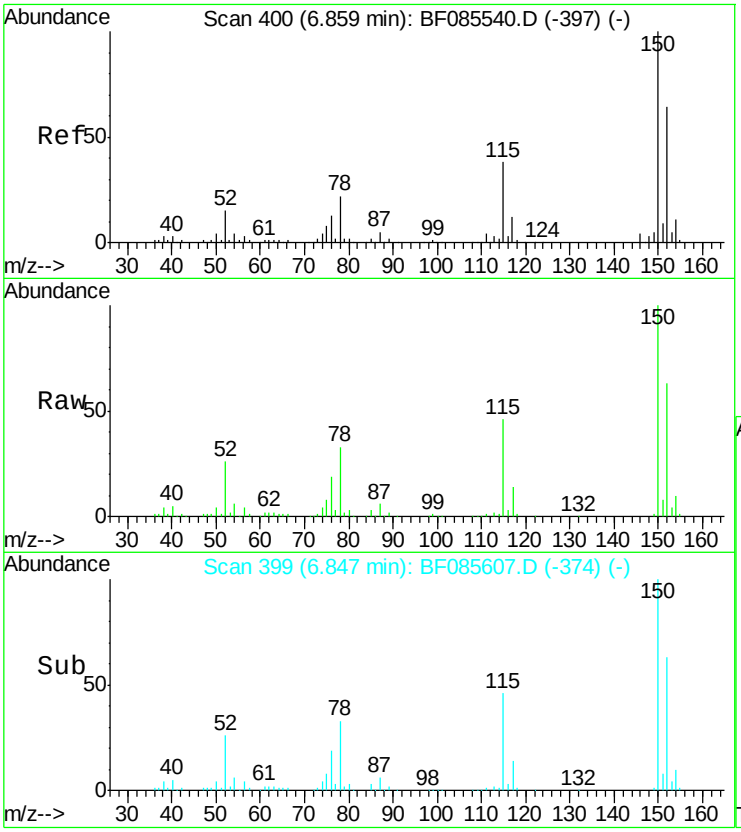
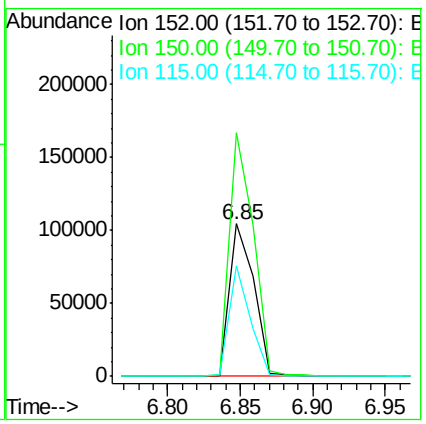




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 399
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:152 Resp: 121424

Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.2	186.2
115	72.7	47.0	70.6#



Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

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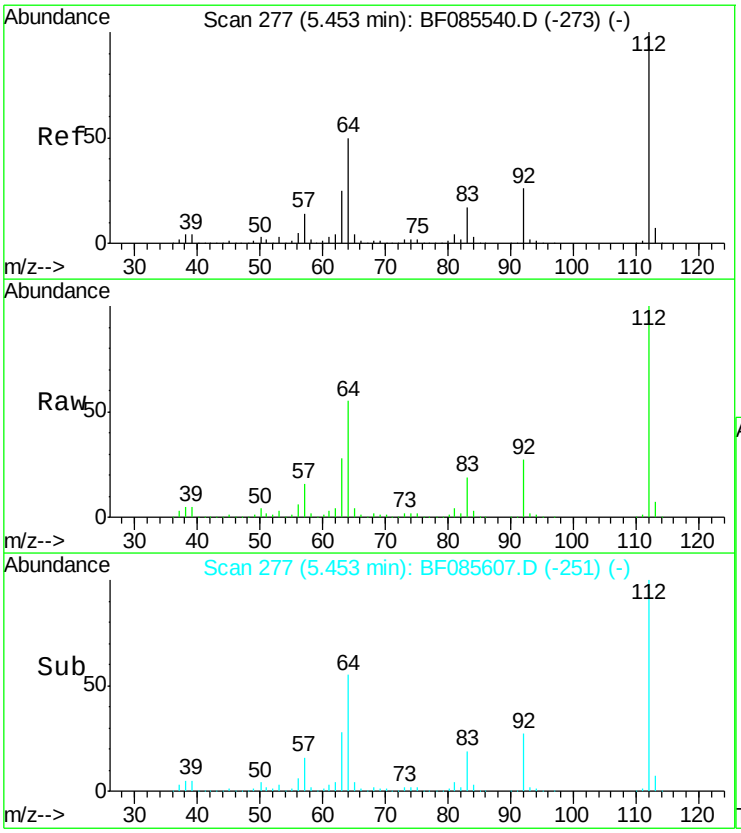
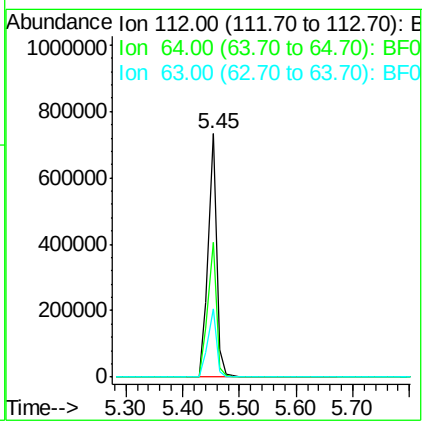
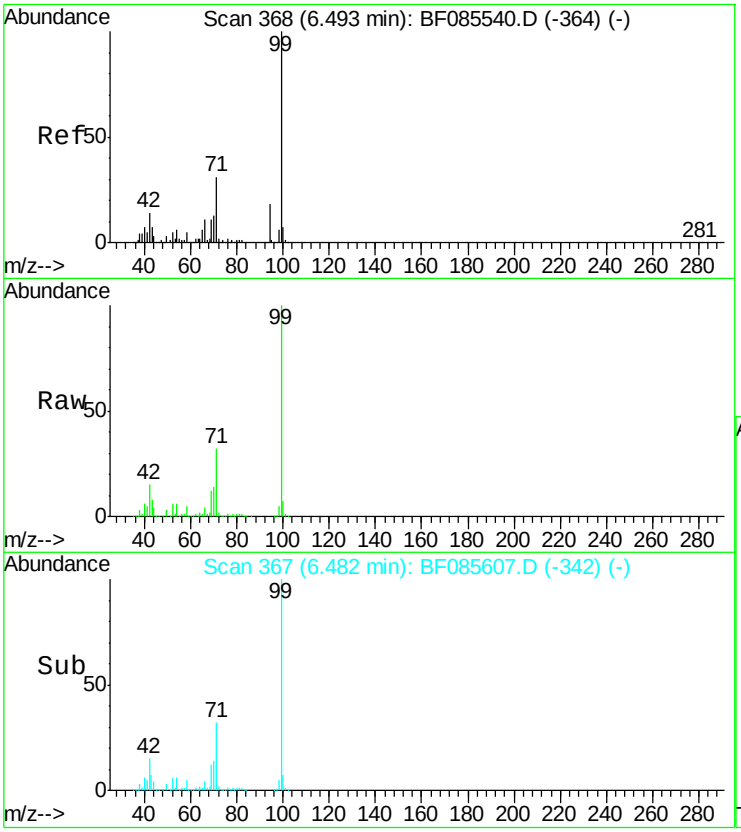


#5
2-Fluorophenol
Concen: 101.47 ng
RT: 5.45 min Scan# 277
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:112 Resp: 733534

Ion	Ratio	Lower	Upper
112	100		
64	55.3	39.9	59.9
63	28.0	20.2	30.2

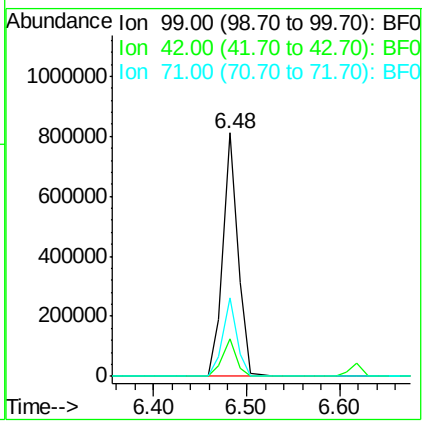




#7
Phenol-d6
Concen: 99.17 ng
RT: 6.48 min Scan# 367
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion: 99 Resp: 919486

Ion	Ratio	Lower	Upper
99	100		
42	15.3	11.1	16.7
71	32.4	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

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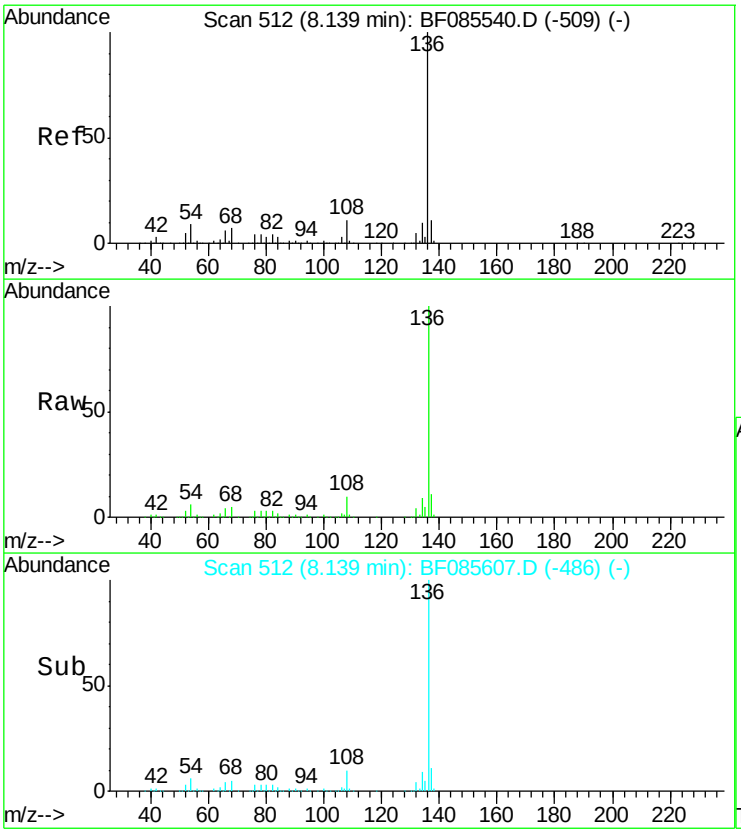
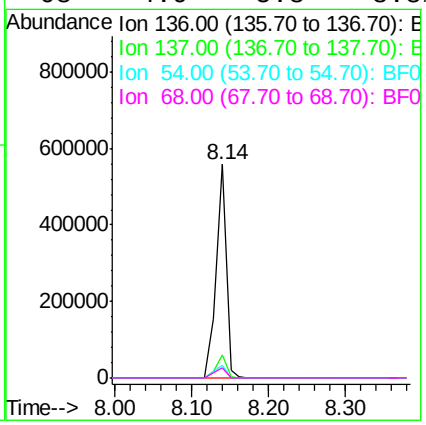
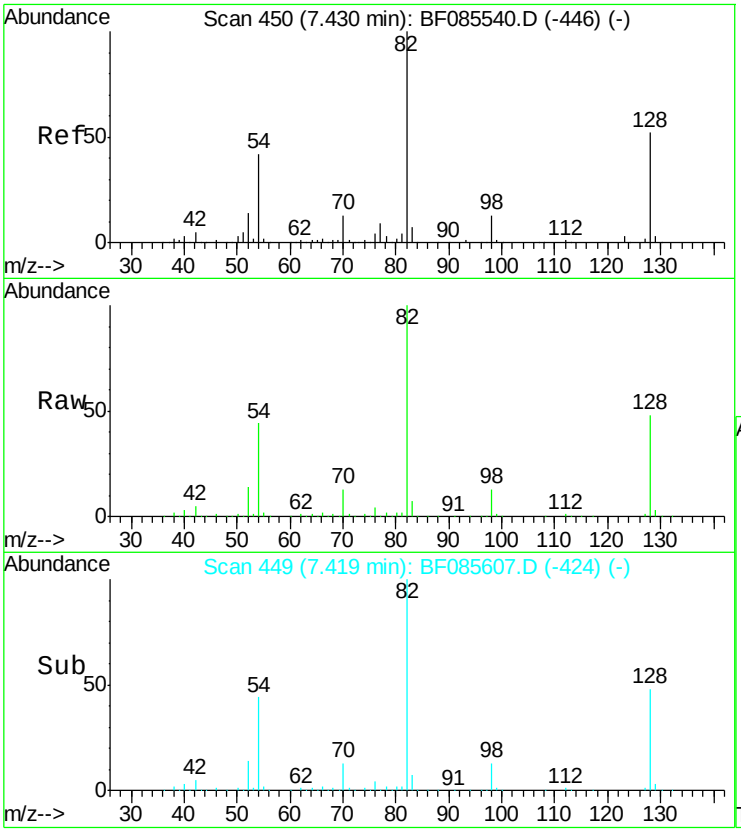


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:136 Resp: 508495

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.8	7.4	11.0#
68	4.9	5.8	8.8#

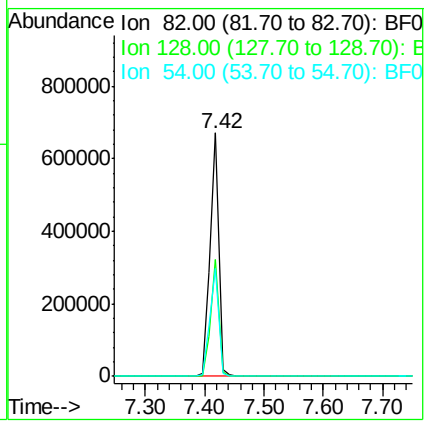




#23
Nitrobenzene-d5
Concen: 78.23 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion: 82 Resp: 685280

Ion	Ratio	Lower	Upper
82	100		
128	48.0	41.8	62.8
54	44.3	33.4	50.0



Instrument :
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ClientSampleId :
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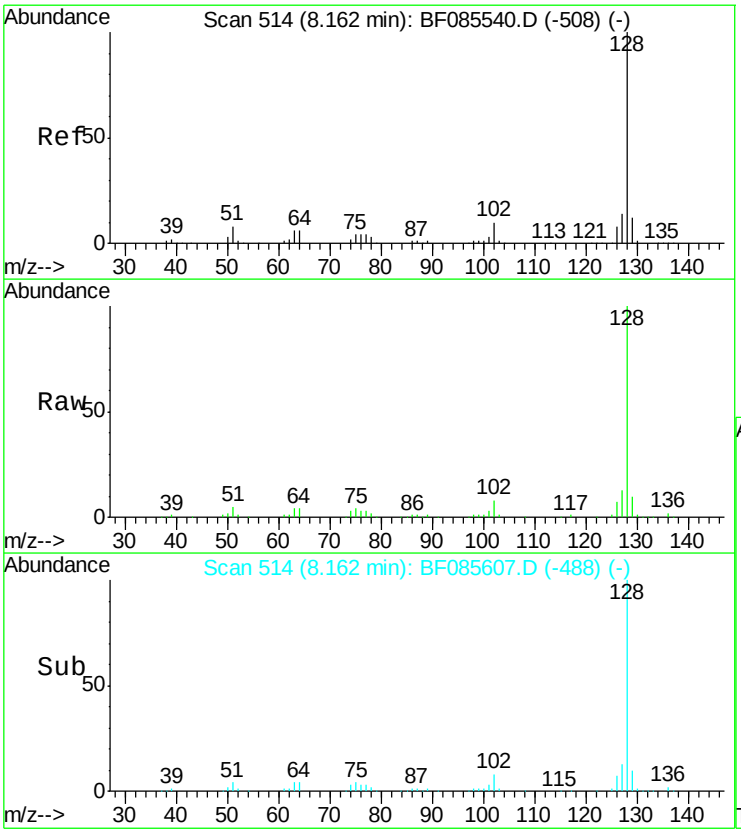
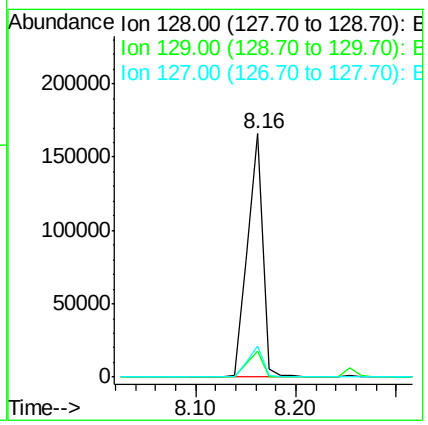
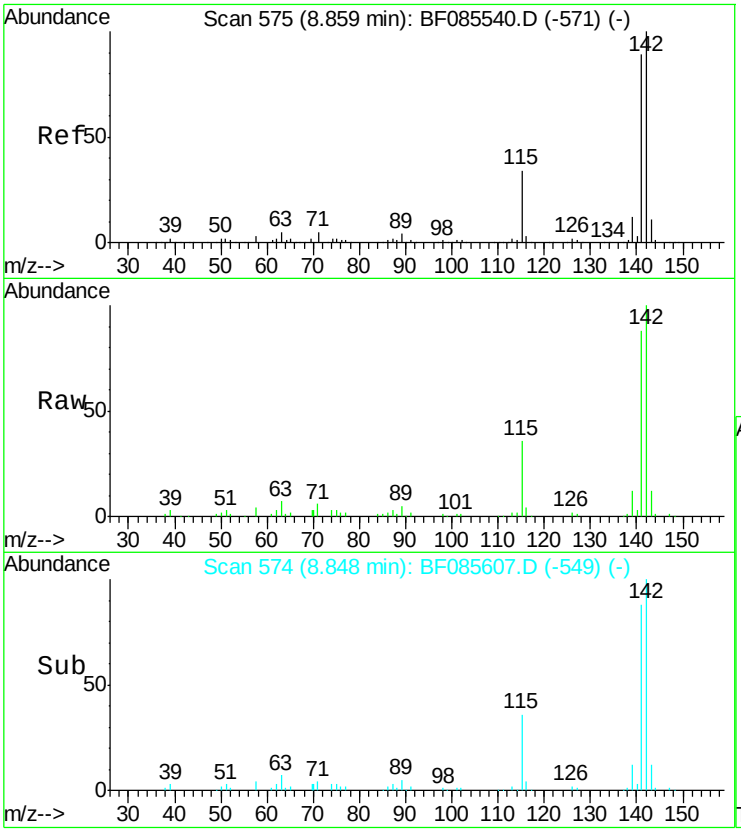


#31
Naphthalene
Concen: 6.88 ng
RT: 8.16 min Scan# 514
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:128 Resp: 176538

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.4	14.0
127	13.0	11.0	16.6

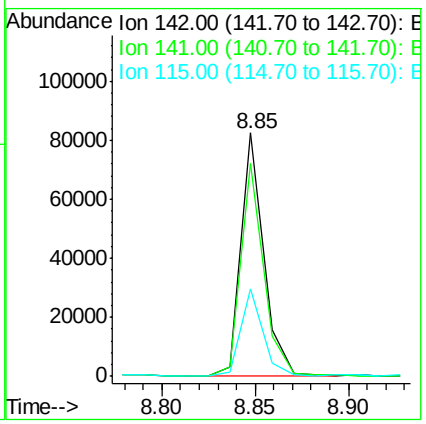




#37
2-Methylnaphthalene
Concen: 4.52 ng
RT: 8.85 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:142 Resp: 70653

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.6	107.4
115	36.0	26.8	40.2



Instrument :
BNA_F
ClientSampleId :
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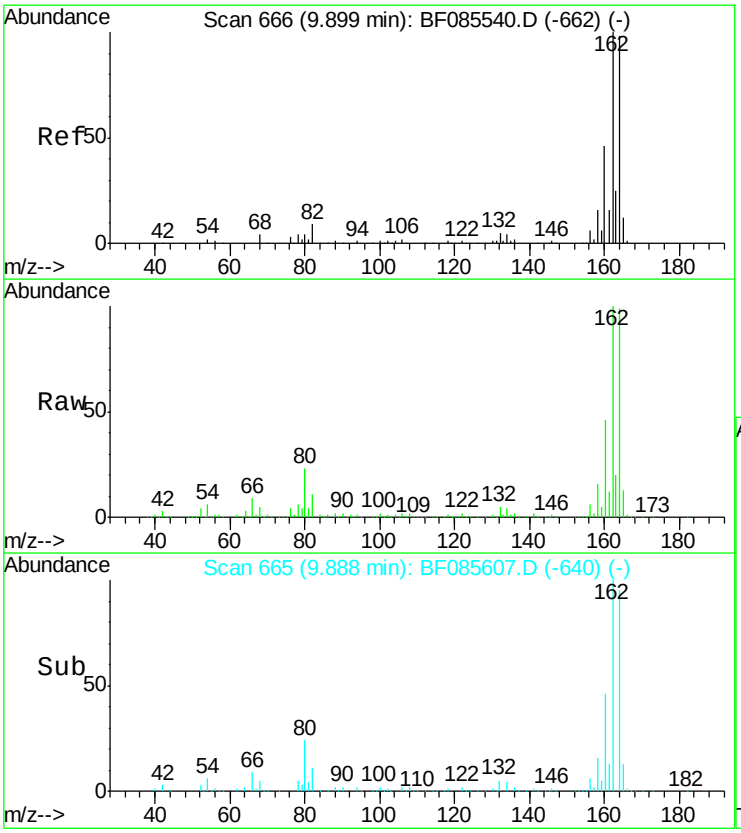
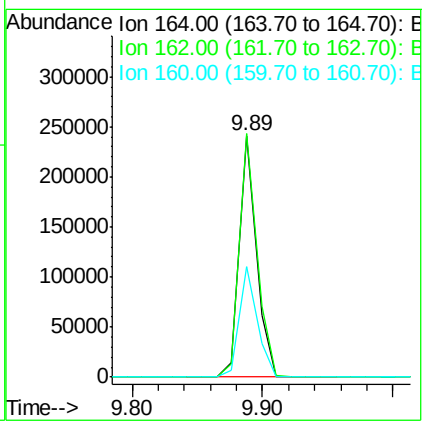
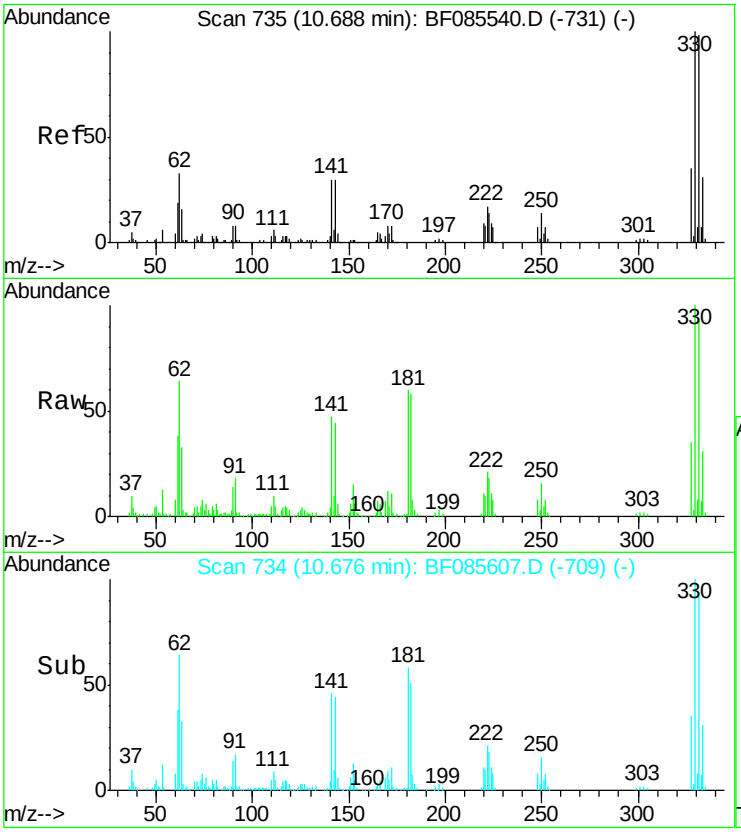


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:164 Resp: 219001

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.1	123.1
160	46.0	37.4	56.2

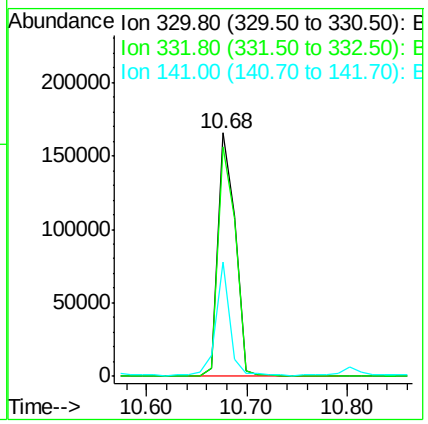




#41
2,4,6-Tribromophenol
Concen: 91.91 ng
RT: 10.68 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:330 Resp: 197177

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.2	117.2
141	37.6	31.5	47.3



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ClientSampleId :
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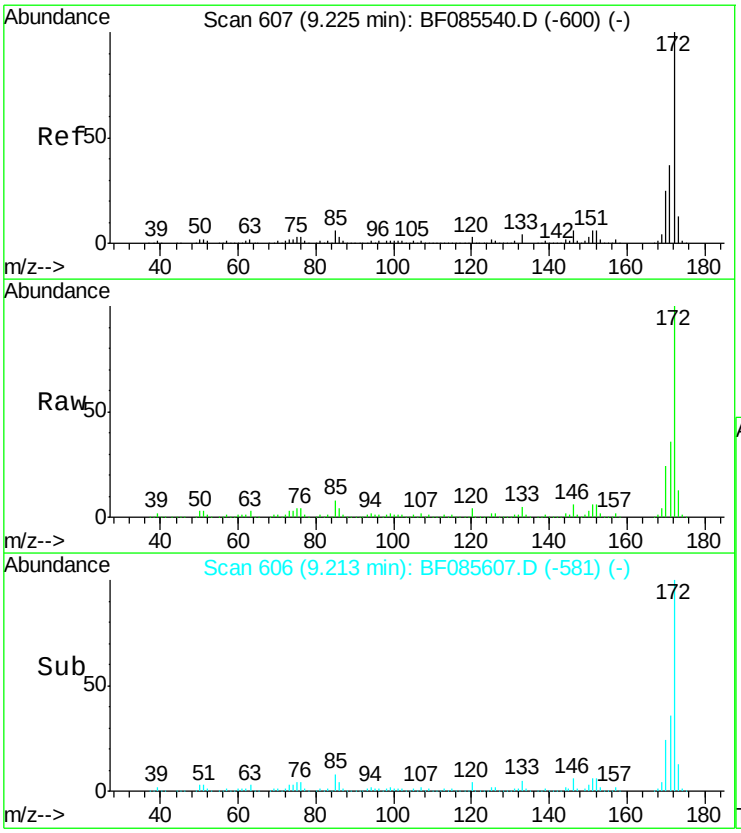
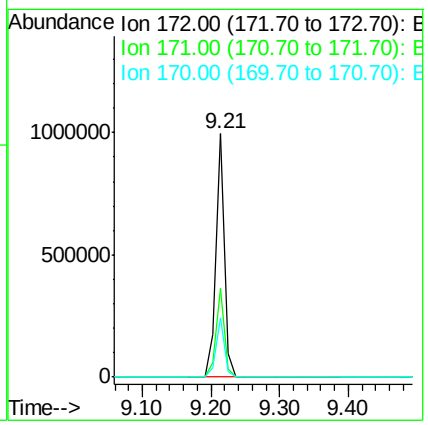
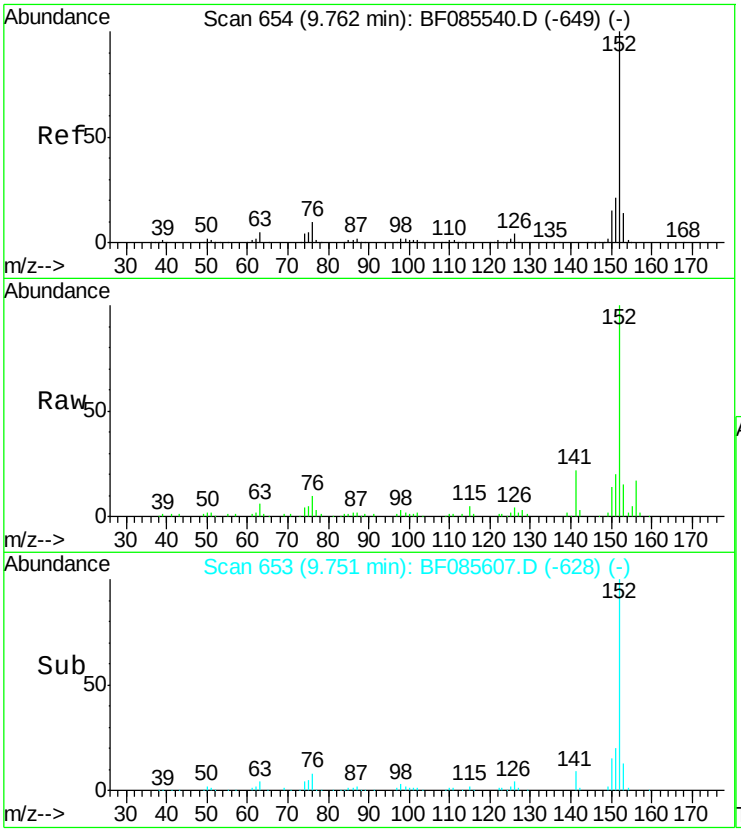


#44
2-Fluorobiphenyl
Concen: 64.26 ng
RT: 9.21 min Scan# 606
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:172 Resp: 877176

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.5	19.8	29.6

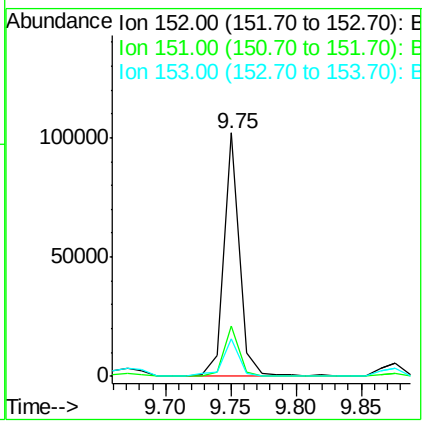




#48
Acenaphthylene
Concen: 3.83 ng
RT: 9.75 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:152 Resp: 85608

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	15.5	10.9	16.3



Instrument :
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ClientSampleId :
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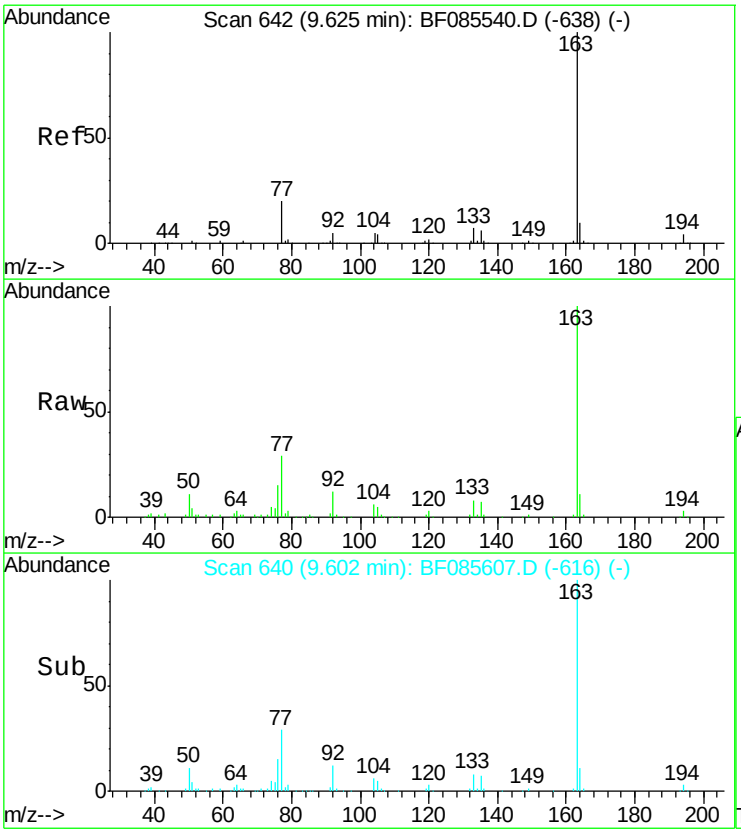
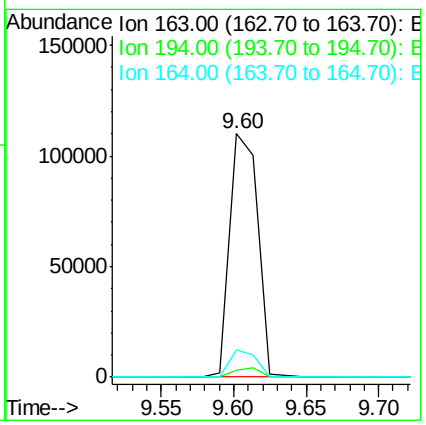
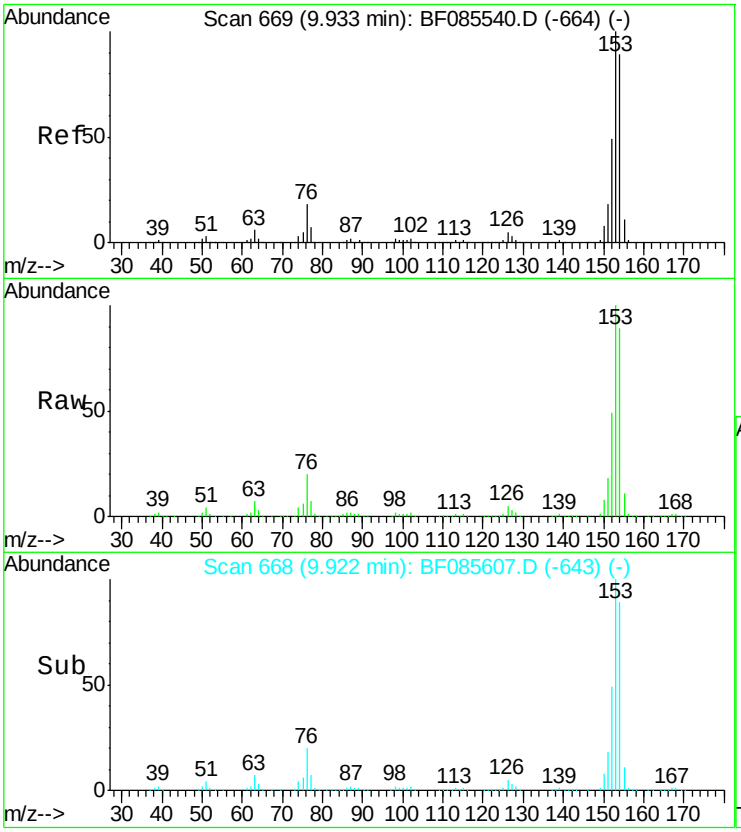


#49
Dimethylphthalate
Concen: 8.91 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:163 Resp: 147242

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.9	4.3#
164	11.0	8.3	12.5

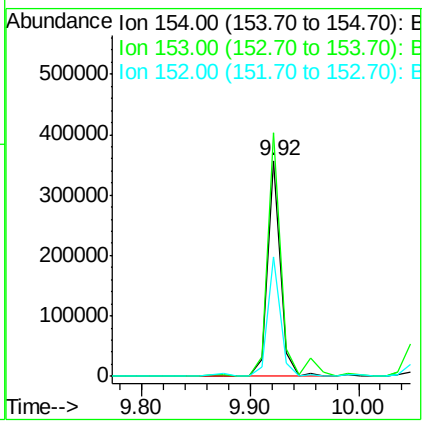




#51
Acenaphthene
Concen: 21.27 ng
RT: 9.92 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:154 Resp: 298151

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.1	135.1
152	55.2	44.2	66.2



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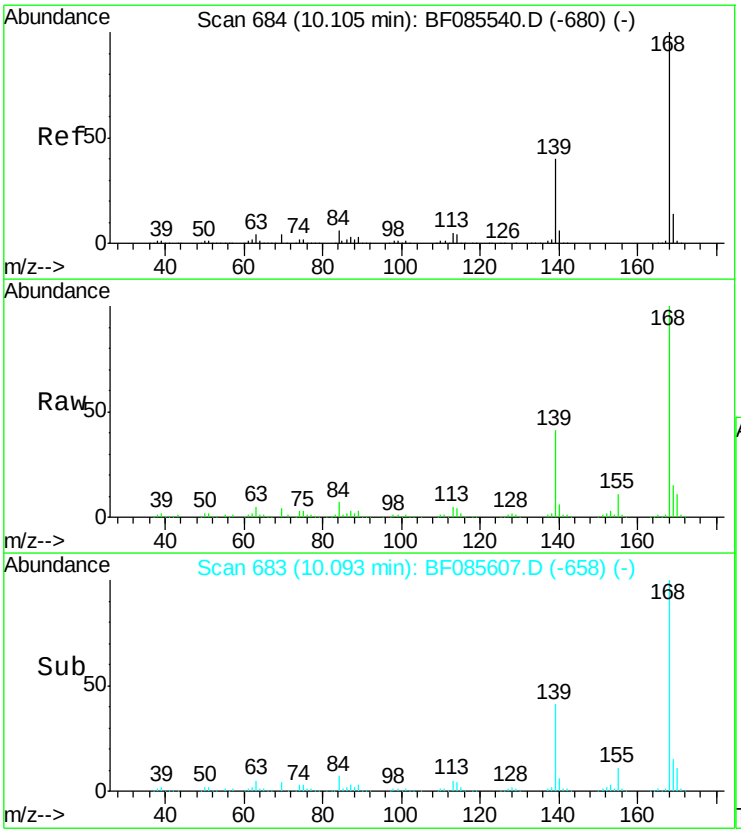
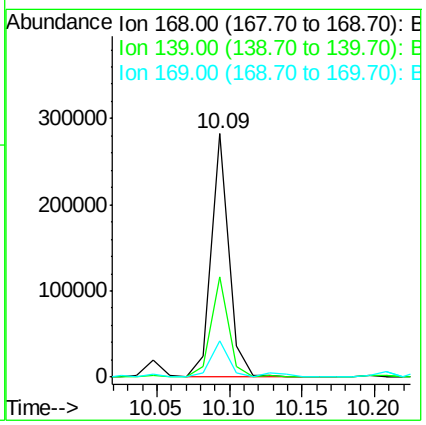
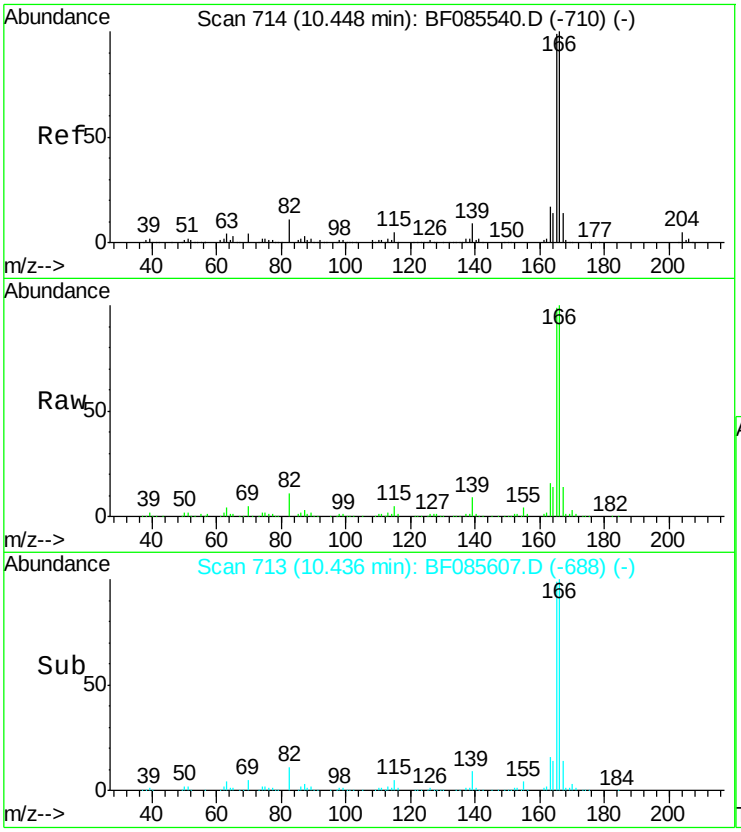


#54
Dibenzofuran
Concen: 13.98 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:168 Resp: 238582

Ion	Ratio	Lower	Upper
168	100		
139	41.2	31.9	47.9
169	15.1	11.0	16.6

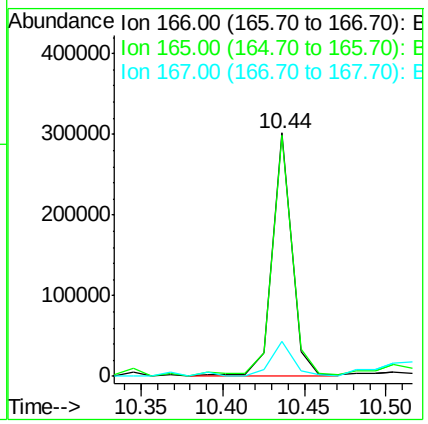




#57
Fluorene
Concen: 17.63 ng
RT: 10.44 min Scan# 713
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:166 Resp: 250806

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.4	119.0
167	14.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

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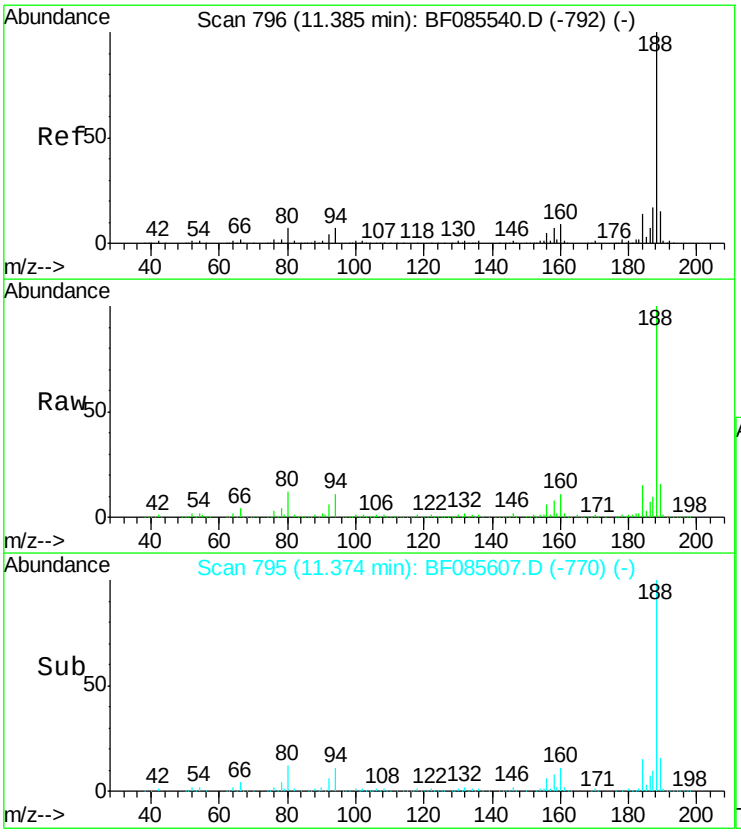
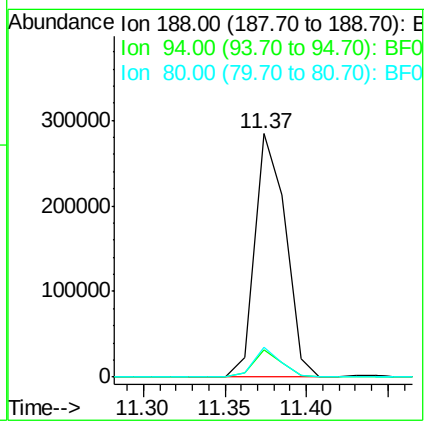
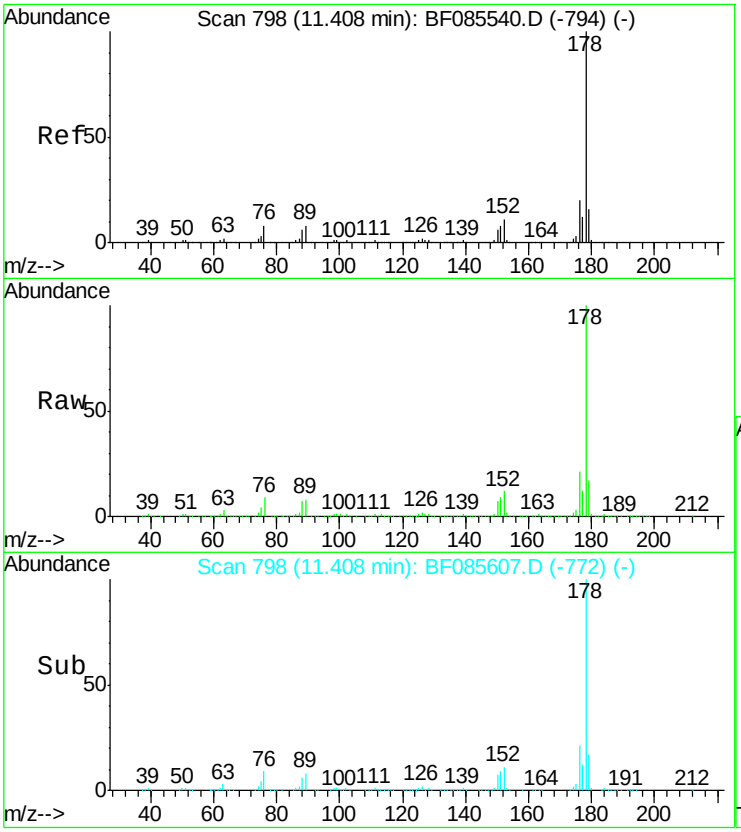


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:188 Resp: 372264

Ion	Ratio	Lower	Upper
188	100		
94	11.3	5.4	8.0#
80	12.1	5.5	8.3#

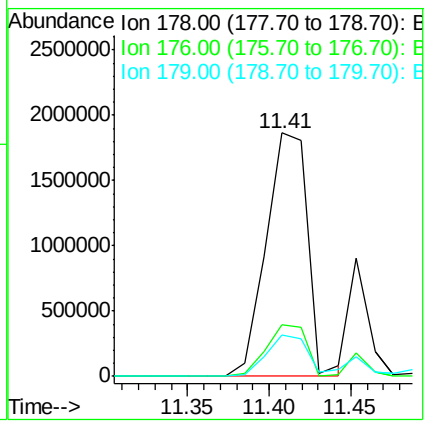




#70
Phenanthrene
Concen: 167.38 ng
RT: 11.41 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:178 Resp: 3285395

Ion	Ratio	Lower	Upper
178	100		
176	21.2	16.3	24.5
179	16.8	12.6	18.8



Instrument :
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ClientSampleId :
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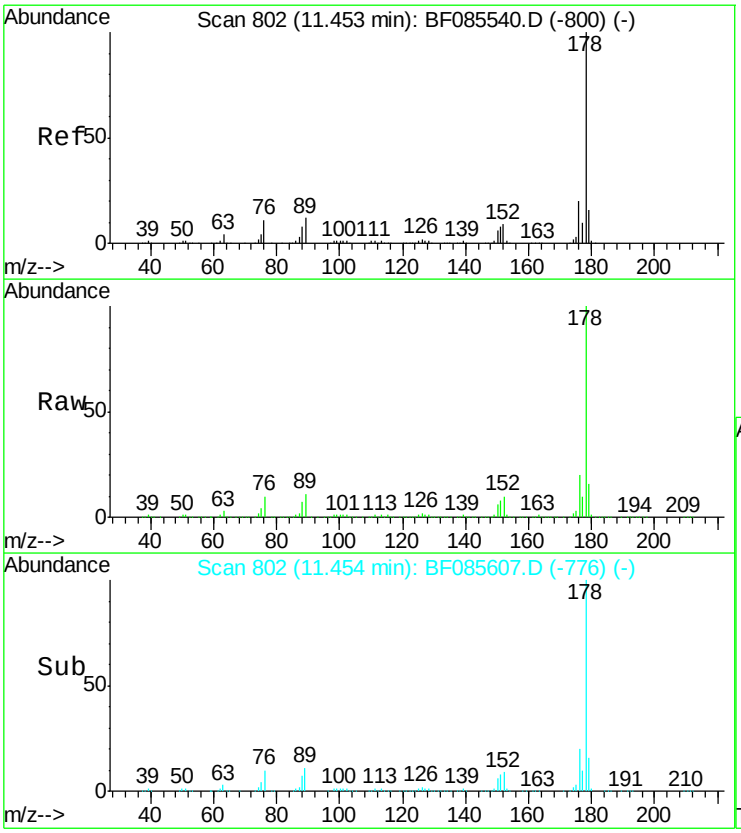
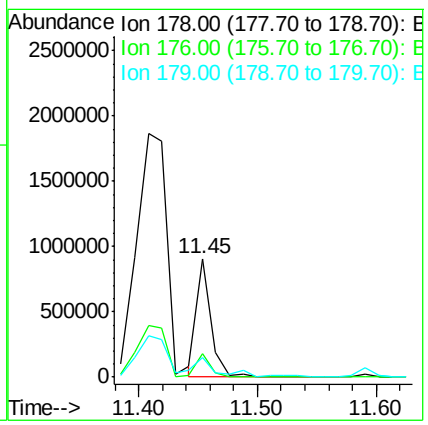
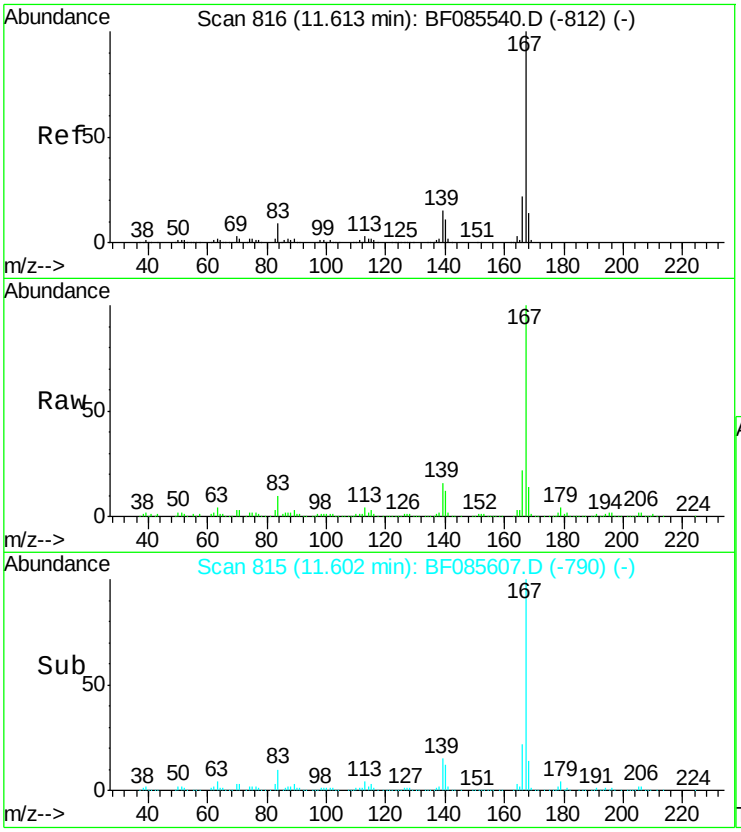


#71
Anthracene
Concen: 38.58 ng
RT: 11.45 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:178 Resp: 794071

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.0	13.0	19.4

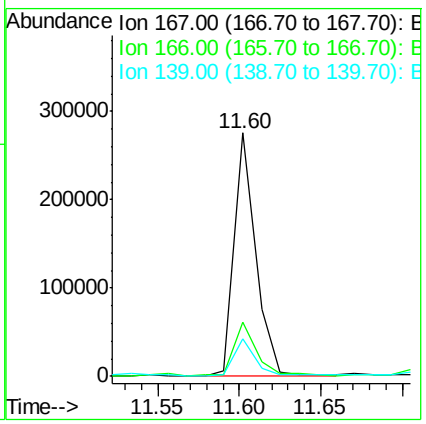




#72
Carbazole
Concen: 14.11 ng
RT: 11.60 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:167 Resp: 250445

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.8
139	15.6	11.6	17.4



Instrument :
BNA_F
ClientSampleId :
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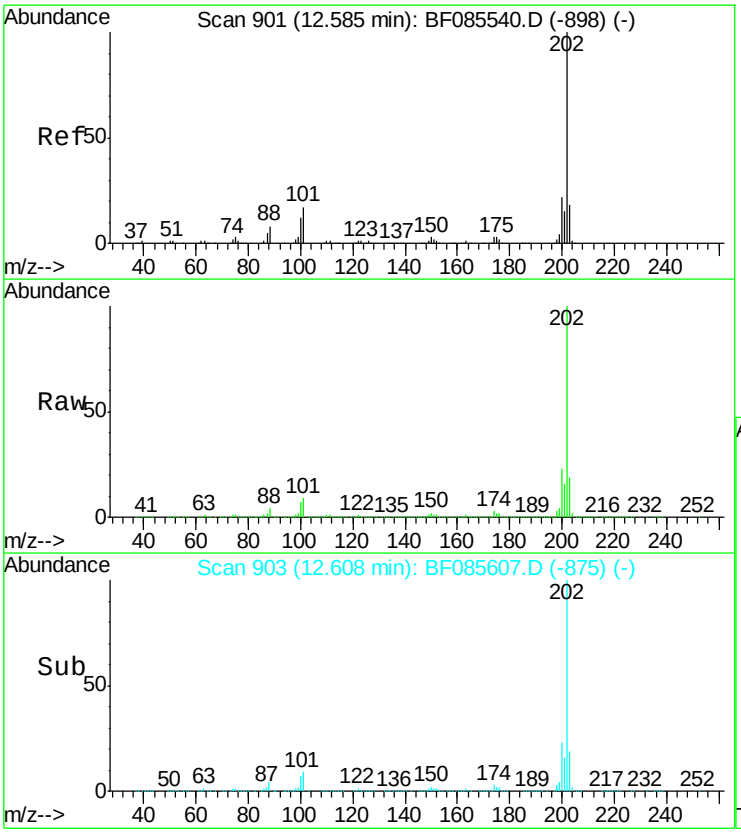
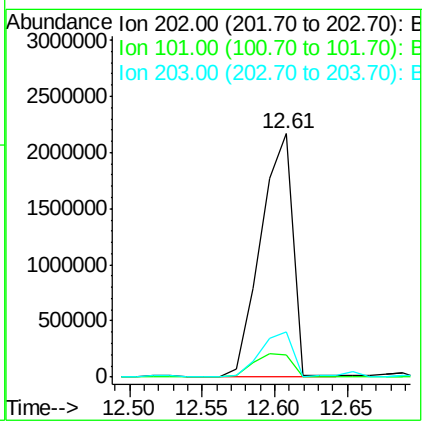
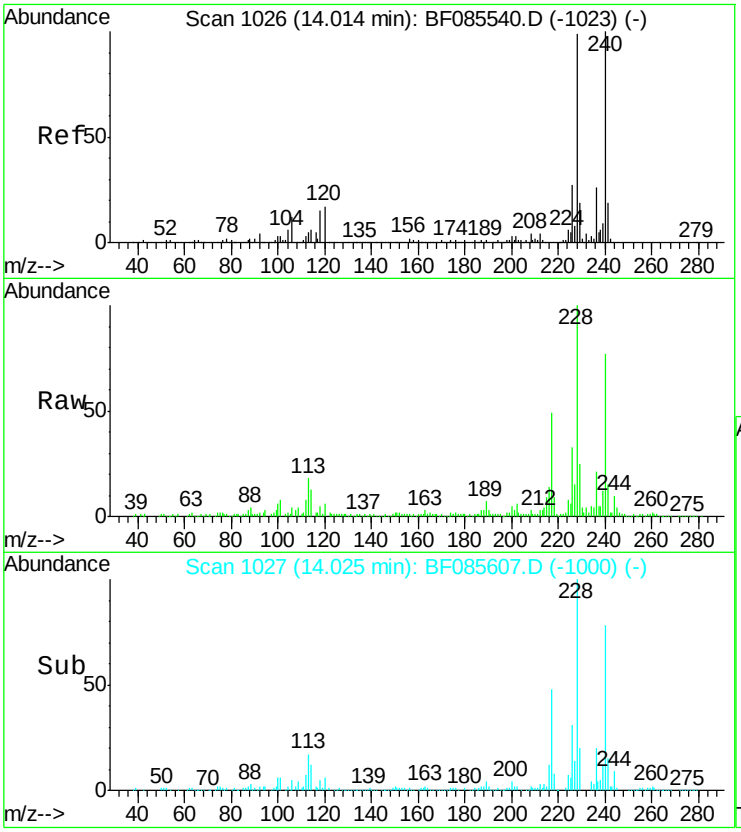


#74
Fluoranthene
Concen: 160.64 ng
RT: 12.61 min Scan# 903
Delta R.T. 0.02 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:202 Resp: 3301653

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	36.6
203	18.8	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:240 Resp: 207415

Ion	Ratio	Lower	Upper
240	100		
120	8.3	13.8	20.8#
236	27.2	20.6	30.8

Instrument :
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ClientSampleId :
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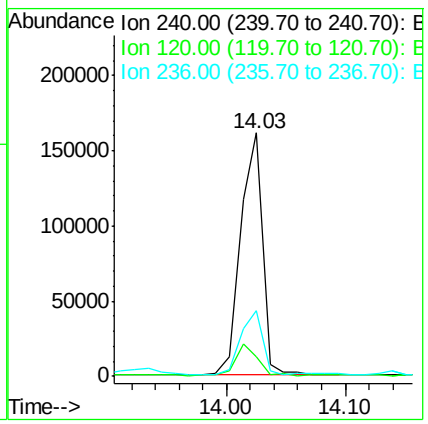
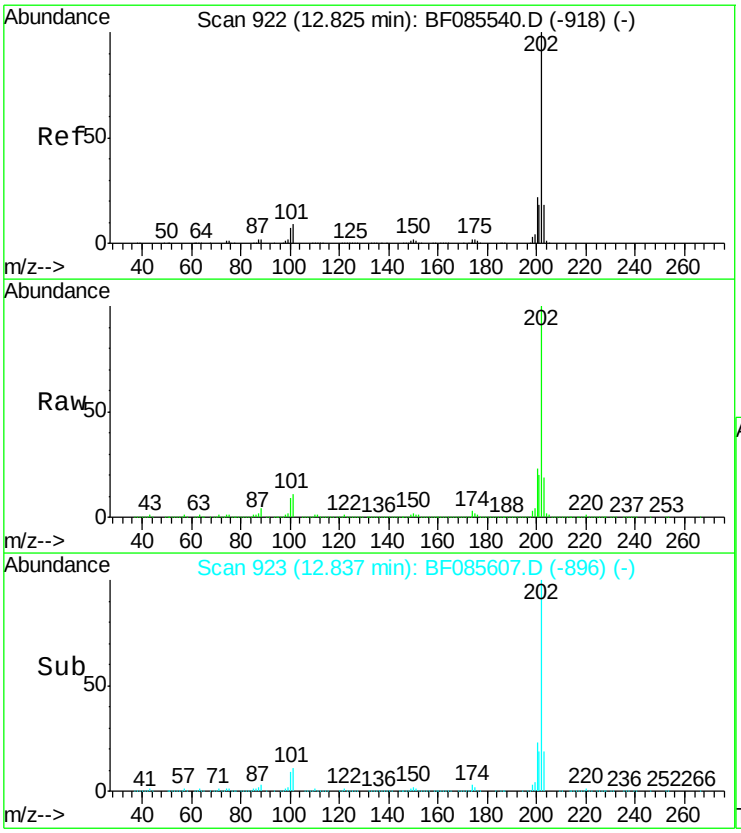
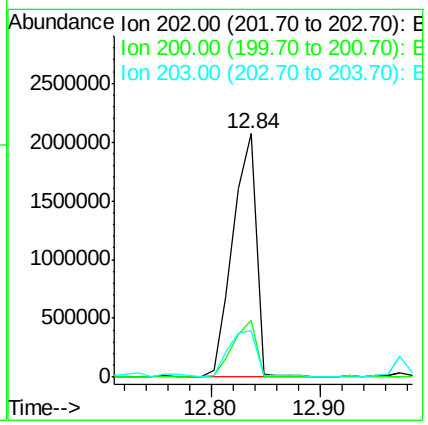


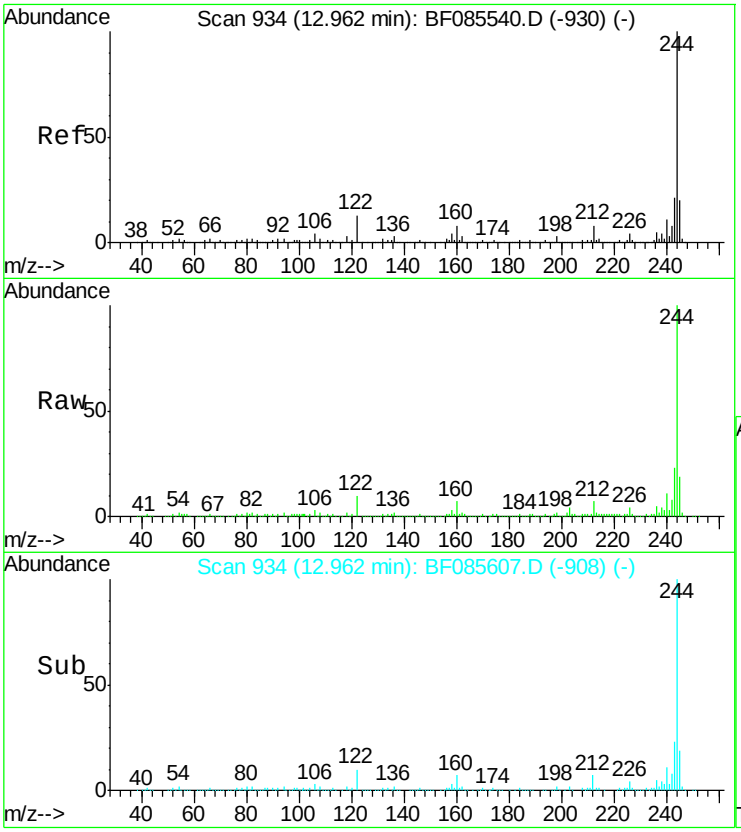


#77
Pyrene
Concen: 203.71 ng
RT: 12.84 min Scan# 923
Delta R.T. 0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:202 Resp: 3033770

Ion	Ratio	Lower	Upper
202	100		
200	23.5	17.6	26.4
203	19.3	14.0	21.0

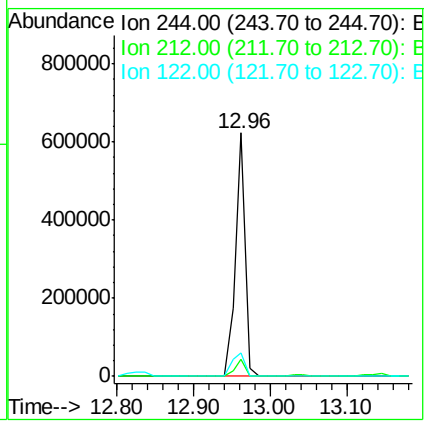




#78
Terphenyl-d14
Concen: 65.72 ng
RT: 12.96 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:244 Resp: 566430

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	9.9	10.2	15.4#



Instrument :
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ClientSampleId :
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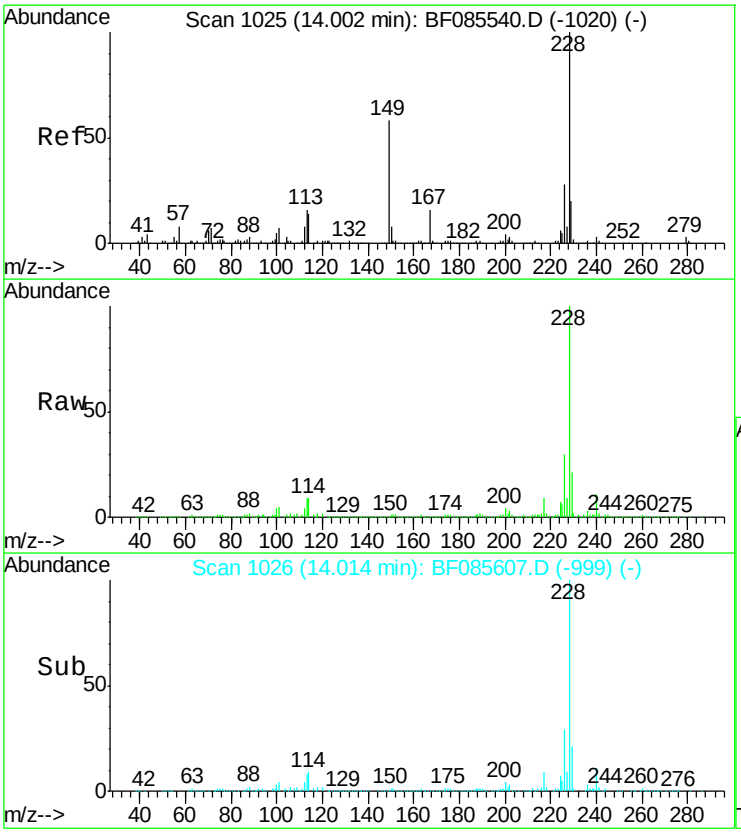
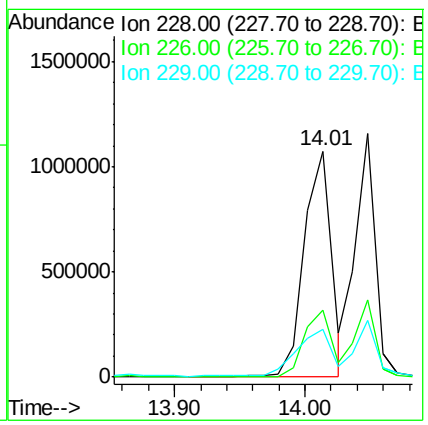
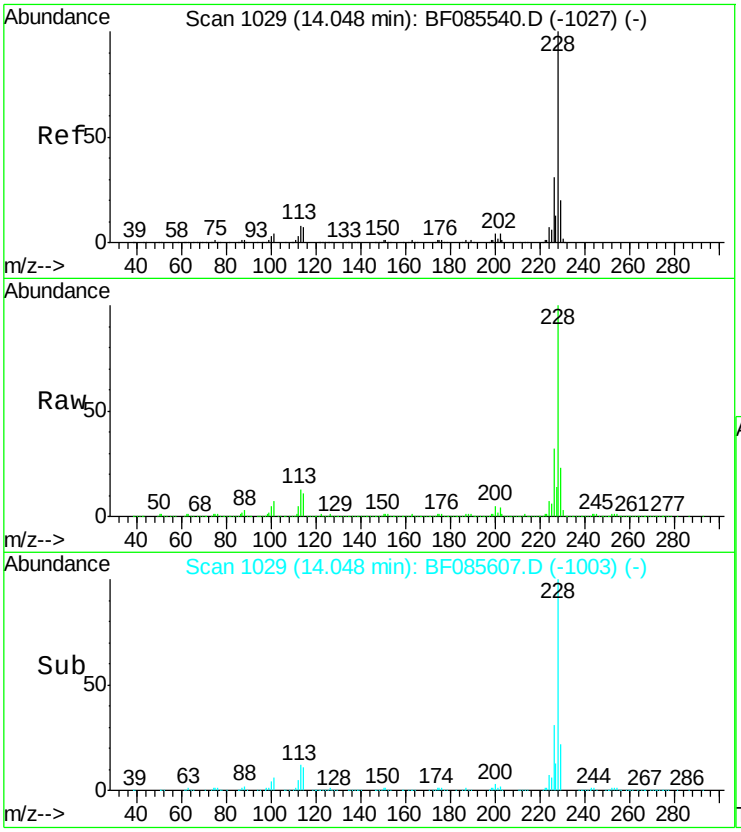


#80
Benzo(a)anthracene
Concen: 128.01 ng
RT: 14.01 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:228 Resp: 1541391

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	21.3	16.2	24.4

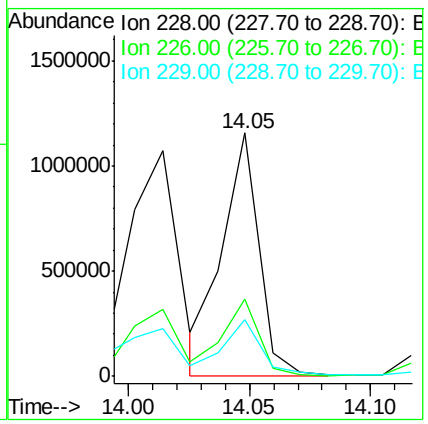




#82
Chrysene
Concen: 106.29 ng m
RT: 14.05 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:228 Resp: 1231349

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	23.1	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
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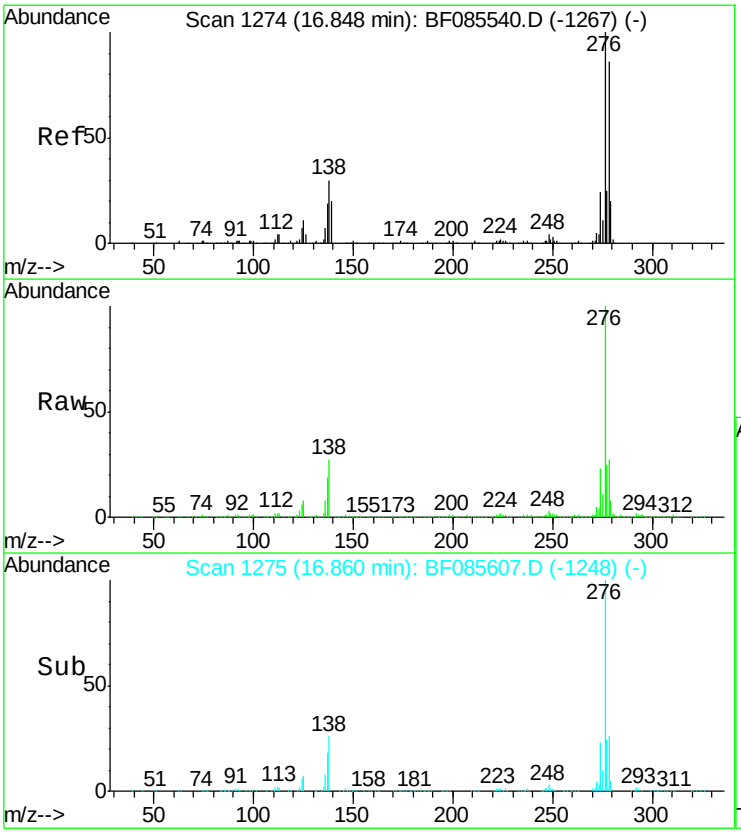
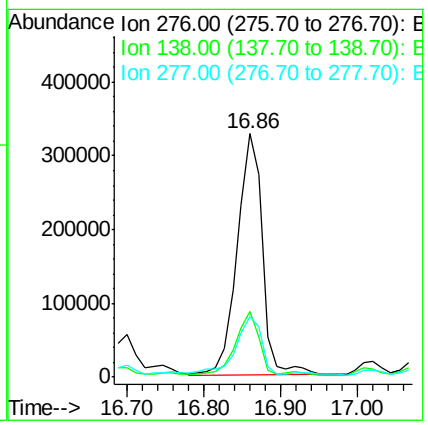
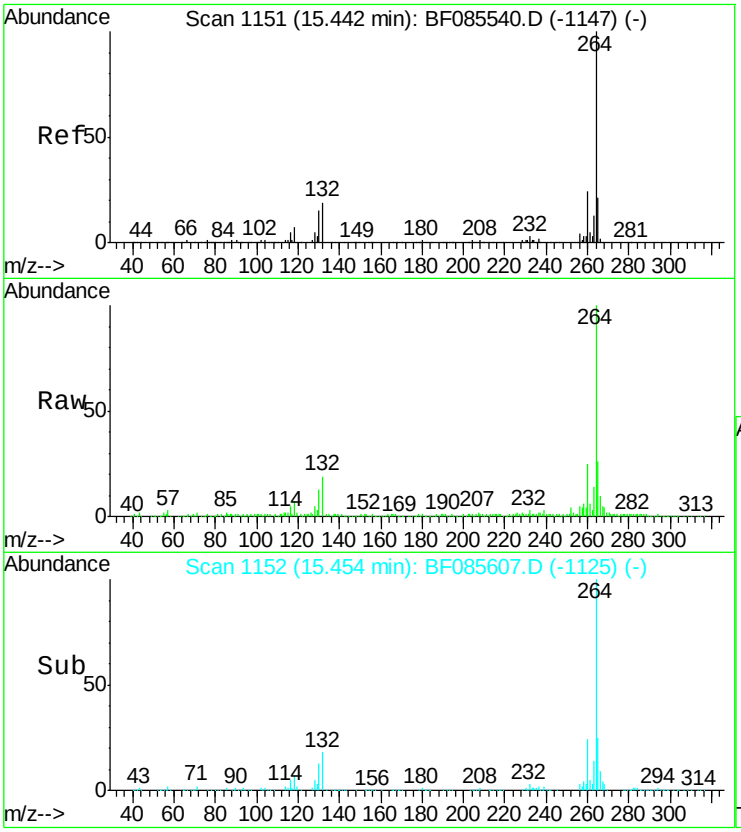


#85
Indeno(1,2,3-cd)pyrene
Concen: 77.35 ng
RT: 16.86 min Scan# 1275
Delta R.T. 0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:276 Resp: 748754

Ion	Ratio	Lower	Upper
276	100		
138	25.1	24.2	36.4
277	24.5	20.0	30.0

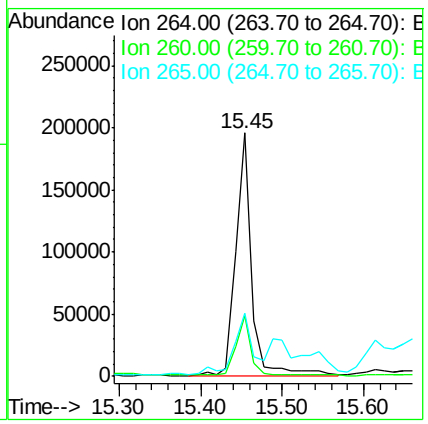




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:264 Resp: 263790

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	25.8	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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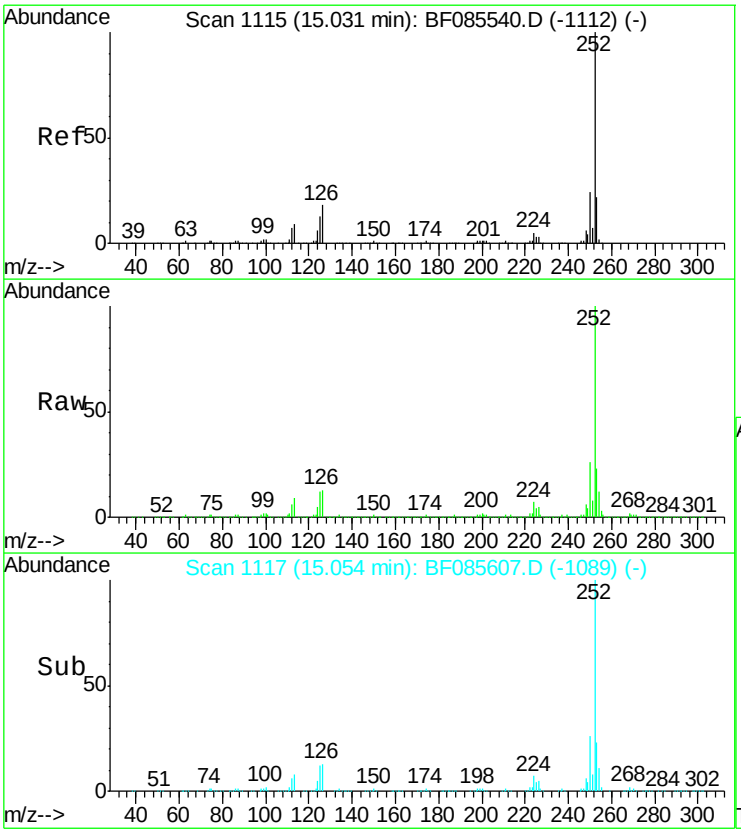
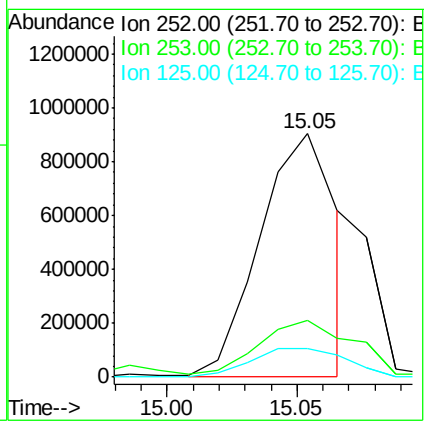
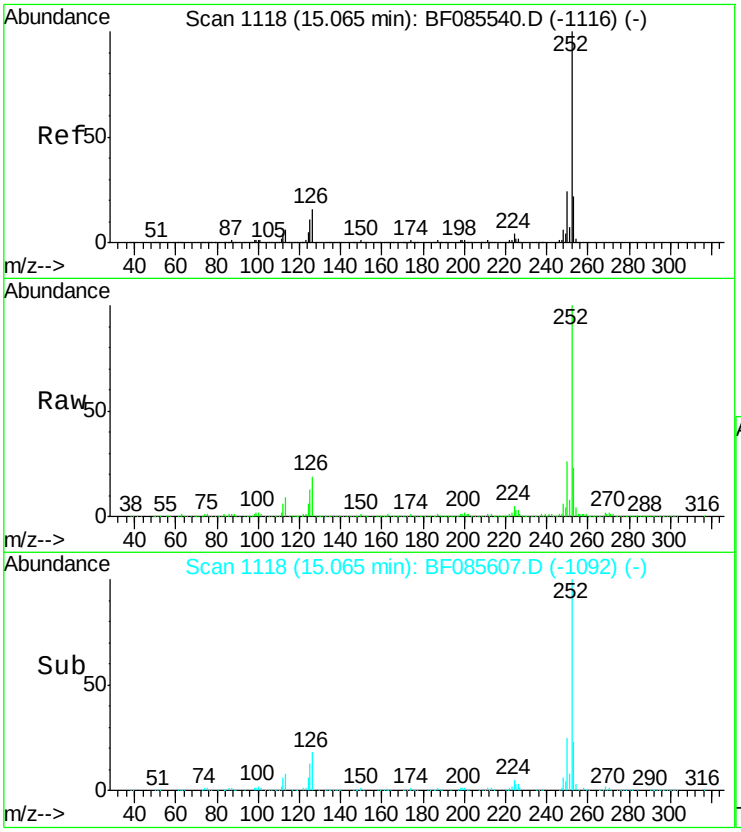


#87
Benzo(b)fluoranthene
Concen: 107.73 ng m
RT: 15.05 min Scan# 1117
Delta R.T. 0.02 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:252 Resp: 1854233

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	12.0	10.3	15.5

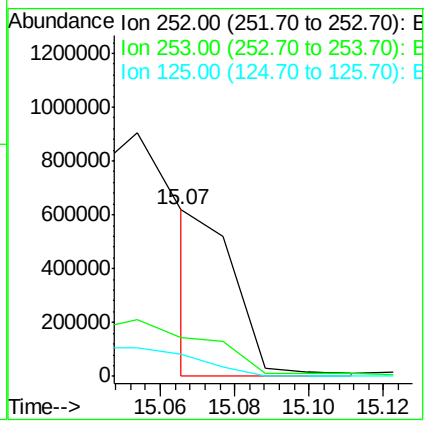




#88
Benzo(k)fluoranthene
Concen: 27.70 ng m
RT: 15.07 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:252 Resp: 392745

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	13.2	7.7	11.5#



Instrument :
BNA_F
ClientSampleId :
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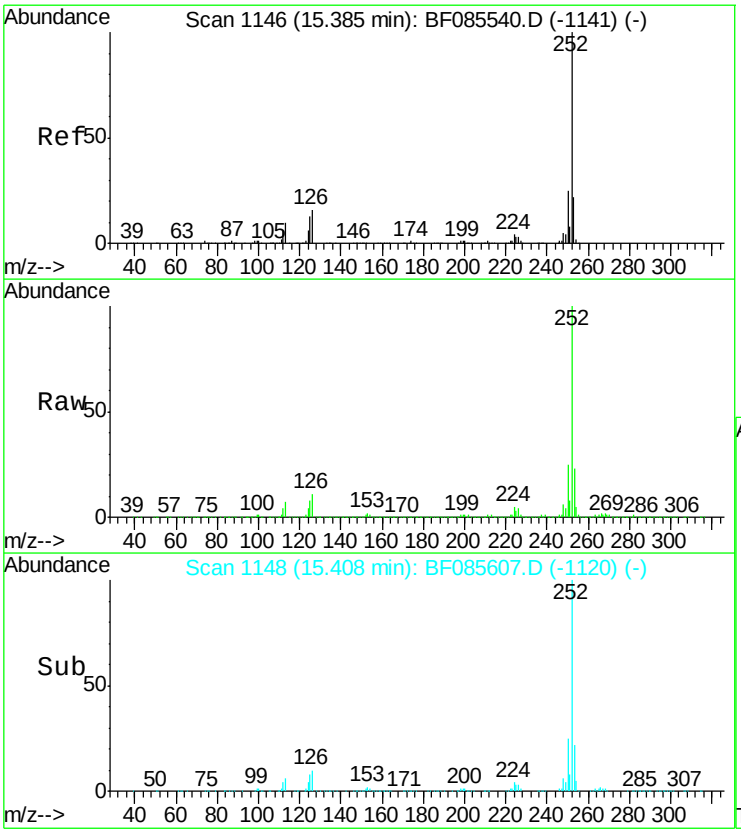
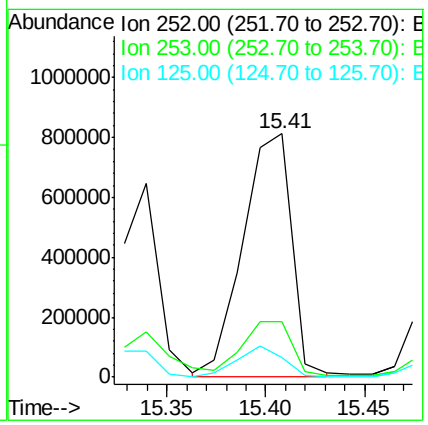
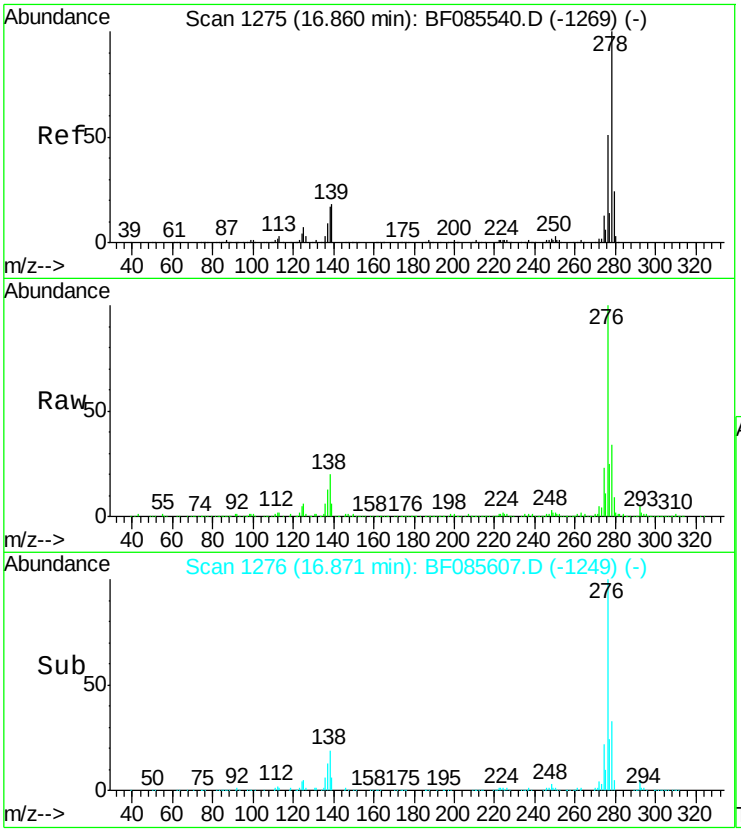


#89
Benzo(a)pyrene
Concen: 95.94 ng m
RT: 15.41 min Scan# 1148
Delta R.T. 0.02 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:252 Resp: 1399985

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	8.1	10.3	15.5#

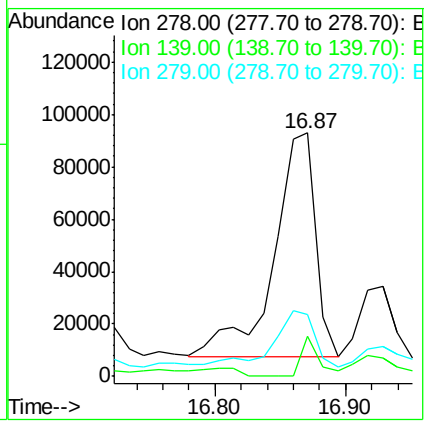




#90
Dibenzo(a,h)anthracene
Concen: 15.88 ng
RT: 16.87 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:278 Resp: 193227

Ion	Ratio	Lower	Upper
278	100		
139	16.3	14.4	21.6
279	25.6	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
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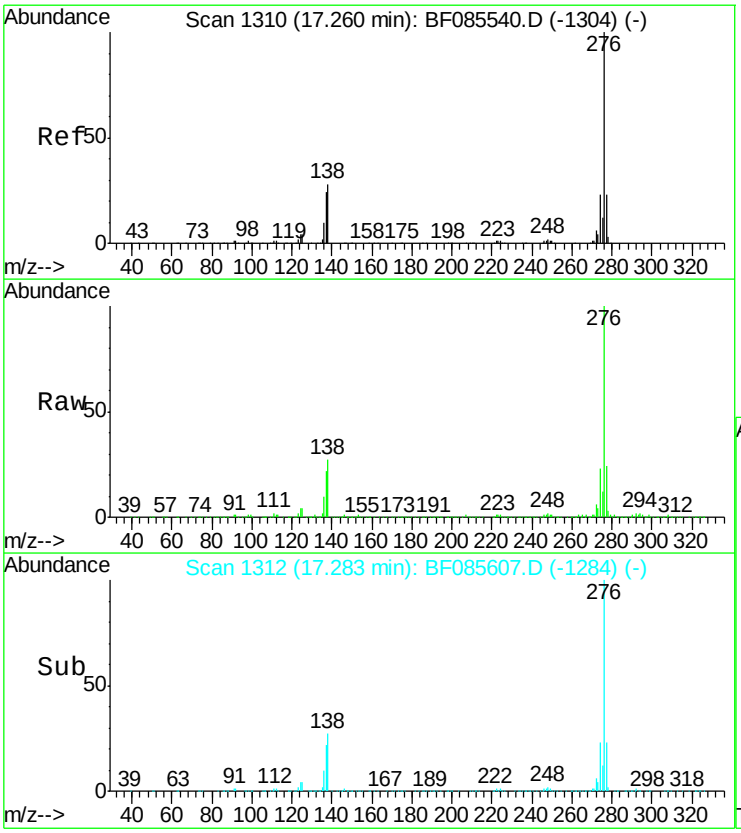

#91
Benzo(g,h,i)perylene
Concen: 57.62 ng
RT: 17.28 min Scan# 1312
Delta R.T. 0.02 min
Lab File: BF085607.D
Acq: 20 Mar 2016 9:26

Tgt Ion:276 Resp: 678757

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	27.1	22.6	34.0