Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091861.D
Acq On : 22 Dec 2016 3:56
Operator : UM/SJ
Sample : H6156-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-14

Manual Integrations APPROVED
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12/22/2016 7:09:13 PM

Quant Time: Dec 22 15:20:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	289435	20.00	ng		0.01
21) Naphthalene-d8	8.04	136	288441	20.00	ng		0.00
38) Acenaphthene-d10	9.79	164	571504	20.00	ng		0.00
63) Phenanthrene-d10	11.26	188	968635	20.00	ng		0.00
75) Chrysene-d12	13.89	240	792050	20.00	ng		-0.01
86) Perylene-d12	15.29	264	624851	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	818443	47.22	ng		0.01
7) Phenol-d6	6.41	99	1040533	49.17	ng		0.00
23) Nitrobenzene-d5	7.32	82	2159448	416.30	ng		0.00
41) 2,4,6-Tribromophenol	10.58	330	679434	143.65	ng		0.00
44) 2-Fluorobiphenyl	9.12	172	2702661	99.02	ng		0.00
78) Terphenyl-d14	12.85	244	2264042	69.33	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.17	128	42094772m	3188.69	ng		
37) 2-Methylnaphthalene	8.77	142	7479501m	Below Cal			
45) 1,1'-Biphenyl	9.22	154	1890050	48.30	ng		98
48) Acenaphthylene	9.66	152	8003247	167.93	ng		94
49) Dimethylphthalate	9.52	163	87093	2.38	ng	#	95
51) Acenaphthene	9.81	154	472539	14.62	ng		97
54) Dibenzofuran	9.98	168	154782	3.55	ng	#	96
57) Fluorene	10.33	166	1346596	42.42	ng		99
70) Phenanthrene	11.29	178	2196625	41.82	ng		99
71) Anthracene	11.33	178	379980	5.86	ng		97
72) Carbazole	11.49	167	243119	4.09	ng		97
77) Pyrene	12.69	202	154376	2.66	ng		97

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

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Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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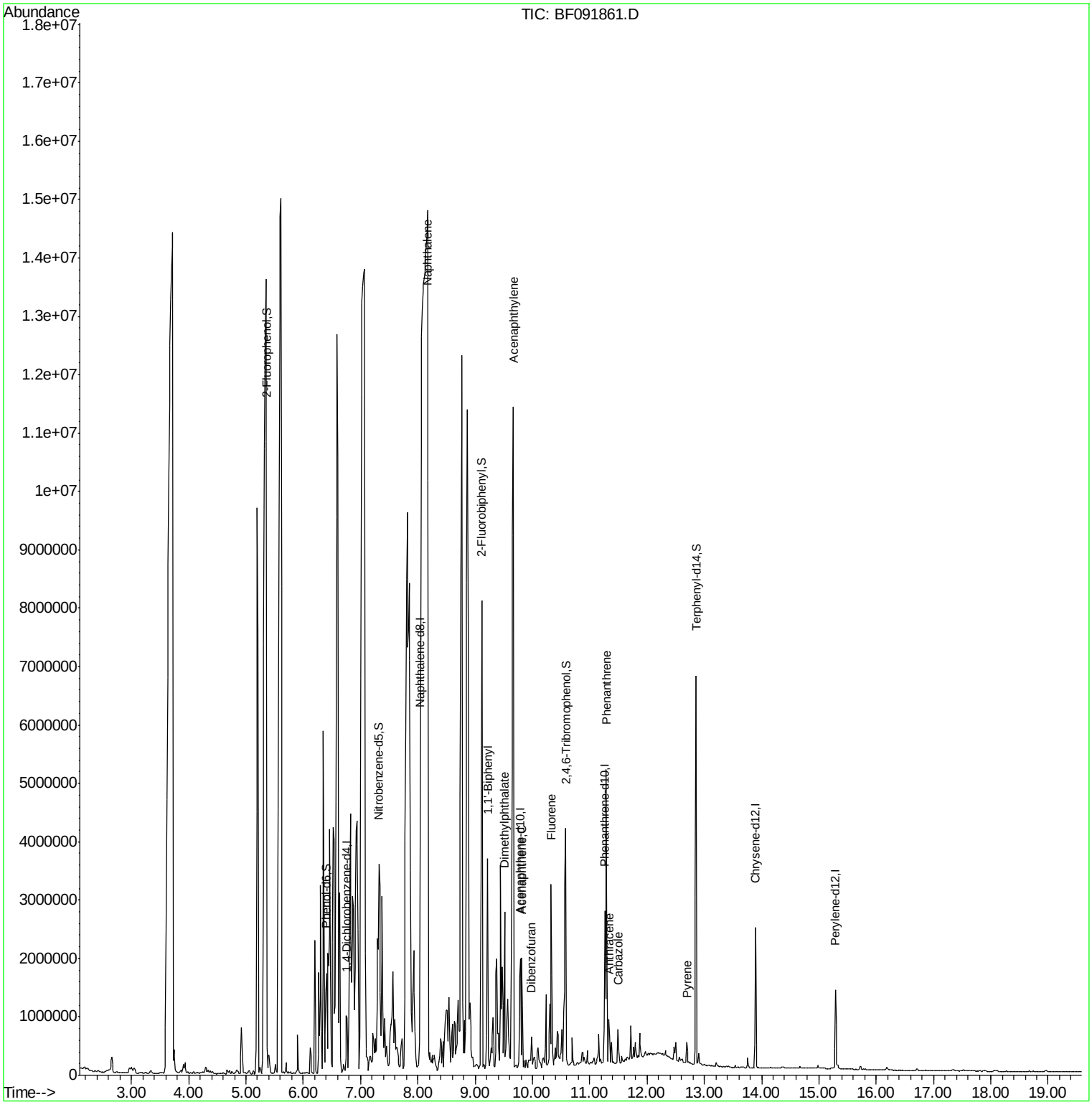
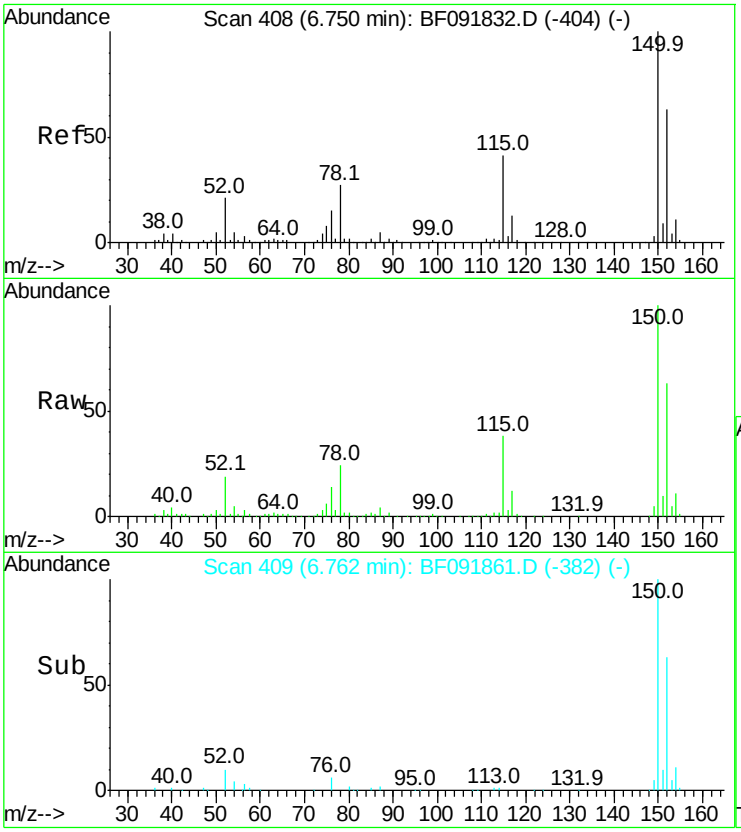
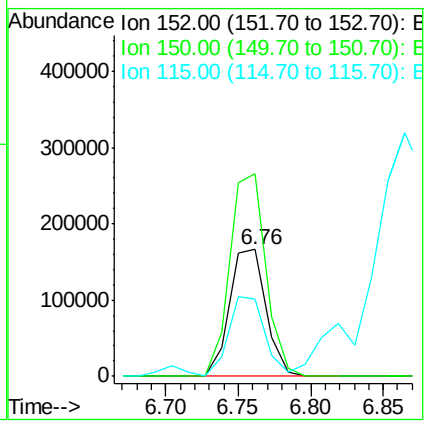




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:152 Resp: 289435

Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.9	187.3
115	60.6	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
MW-14

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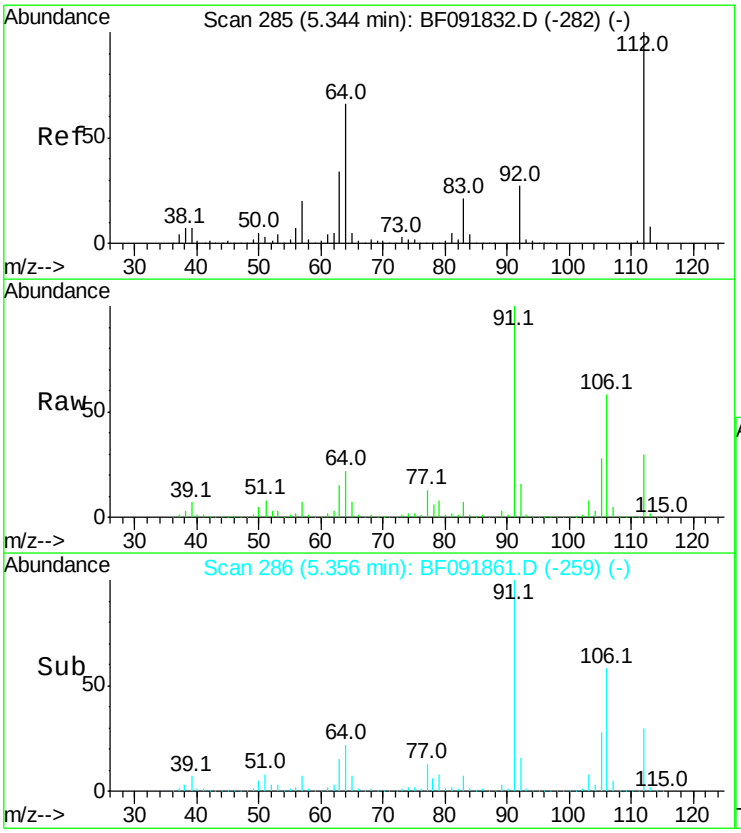
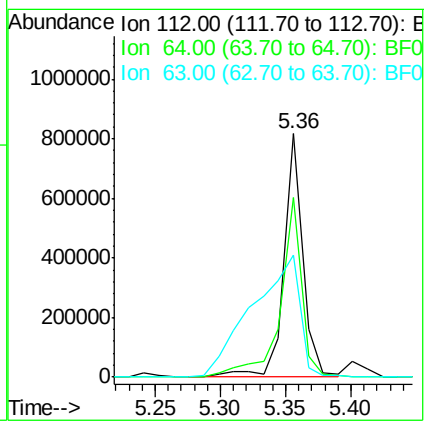
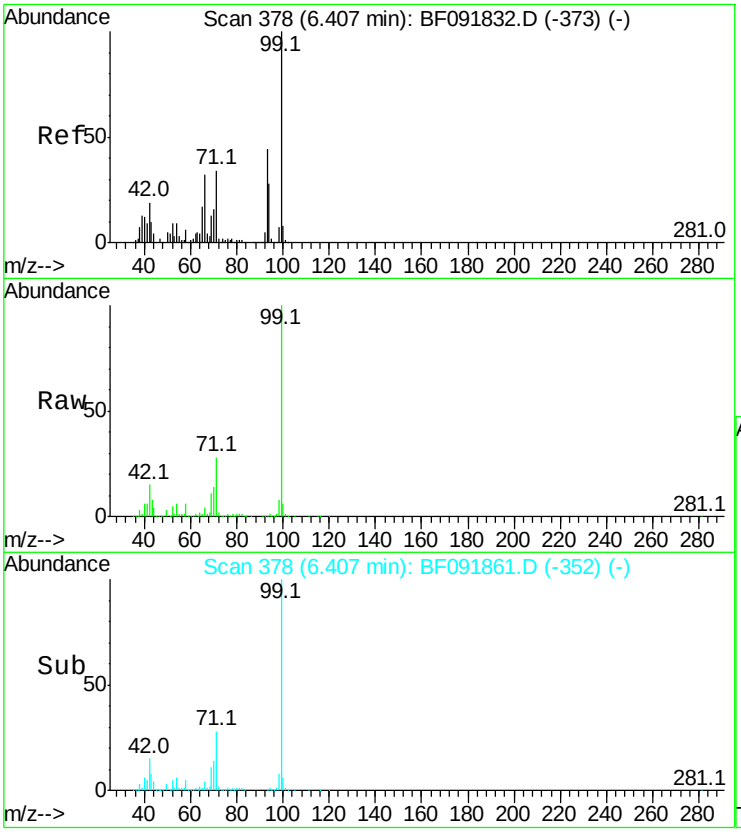


#5
2-Fluorophenol
Concen: 47.22 ng
RT: 5.36 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:112 Resp: 818443

Ion	Ratio	Lower	Upper
112	100		
64	74.0	46.1	69.1#
63	50.3	23.8	35.6#

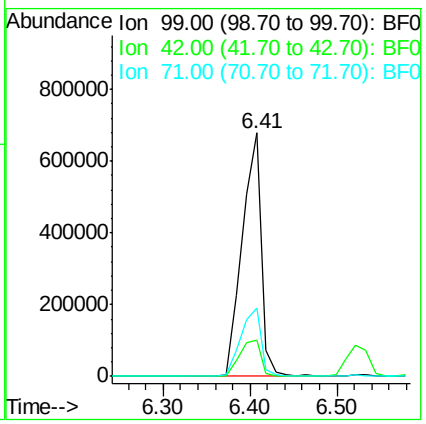




#7
Phenol-d6
Concen: 49.17 ng
RT: 6.41 min Scan# 378
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion: 99 Resp: 1040533

Ion	Ratio	Lower	Upper
99	100		
42	15.0	15.6	23.4#
71	28.1	27.5	41.3



Instrument :
BNA_F
ClientSampleId :
MW-14

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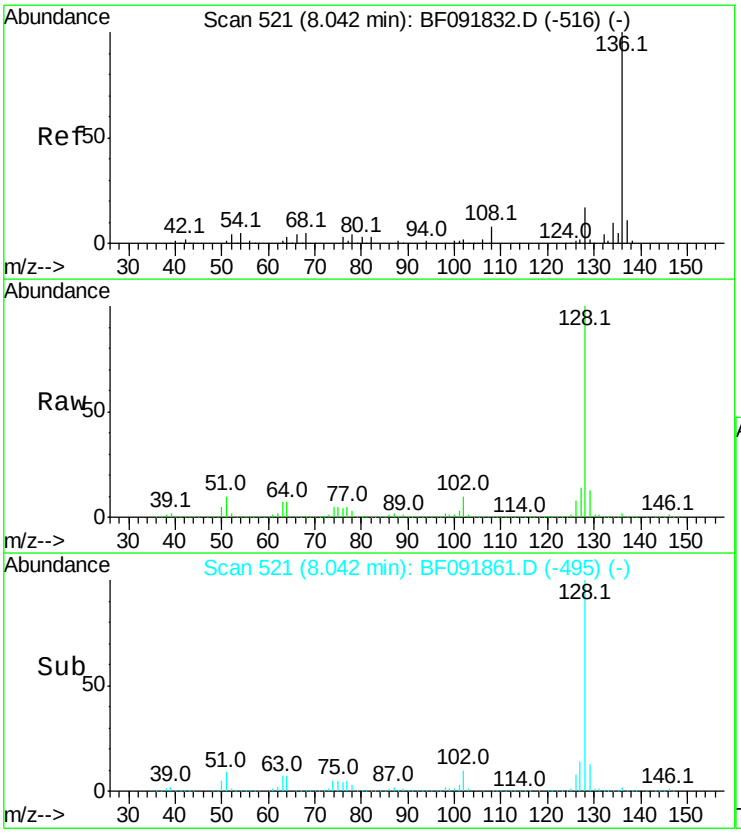
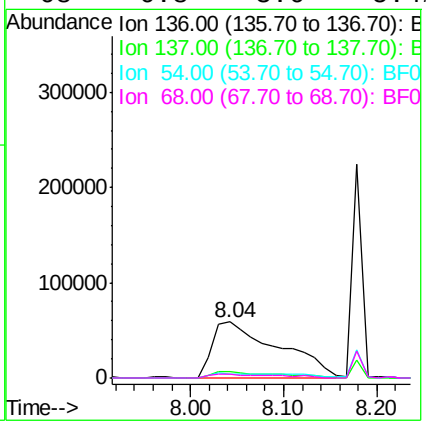
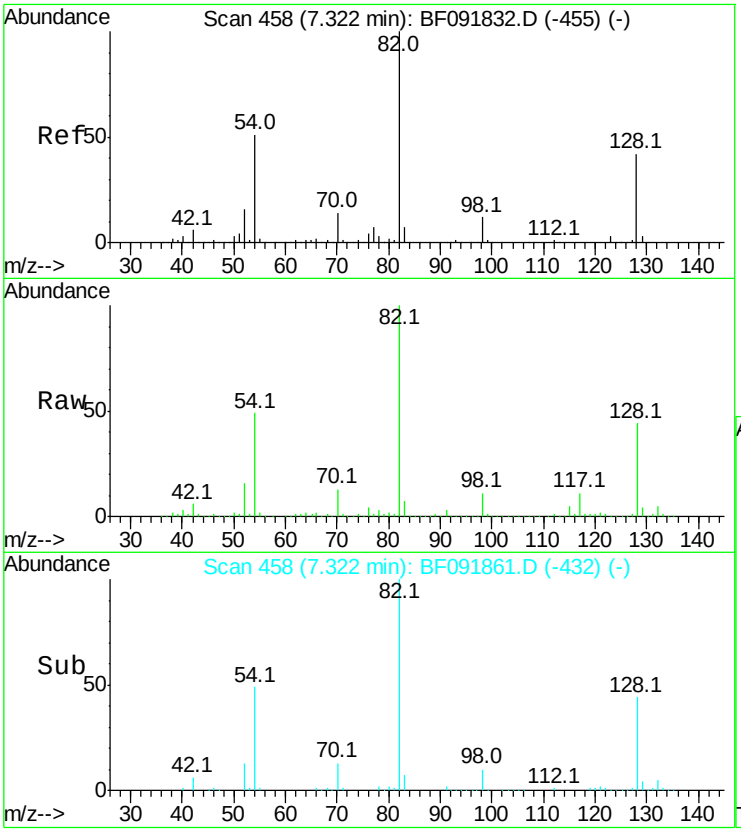


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:136 Resp: 288441

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.7	4.5	6.7#
68	6.8	3.6	5.4#

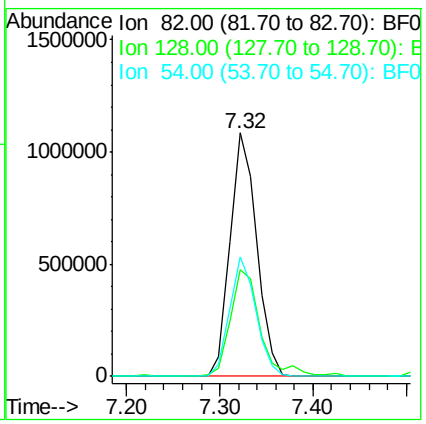




#23
Nitrobenzene-d5
Concen: 416.30 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion: 82 Resp: 2159448

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.6	52.0
54	49.1	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
MW-14

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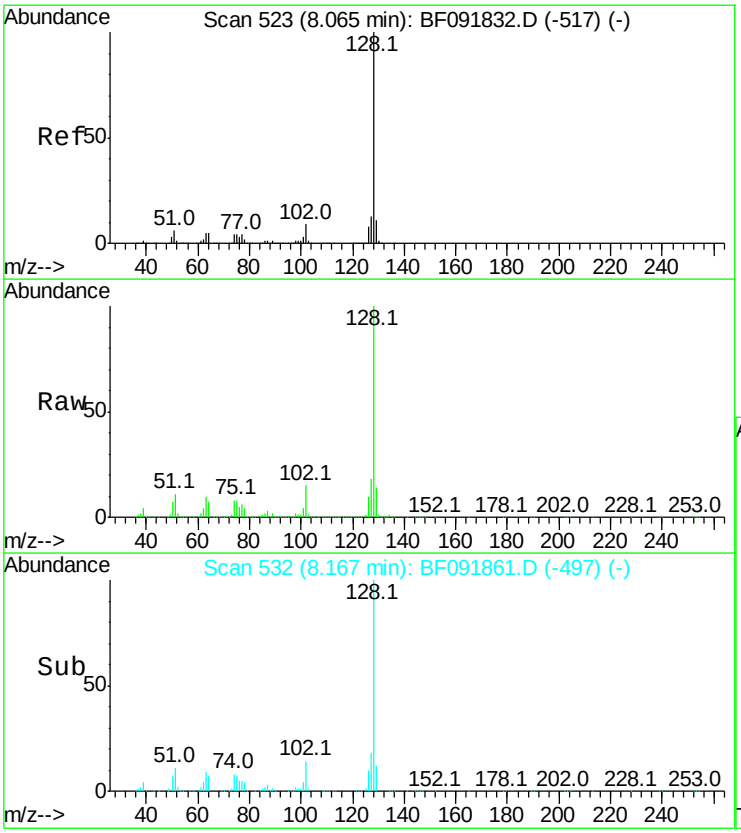
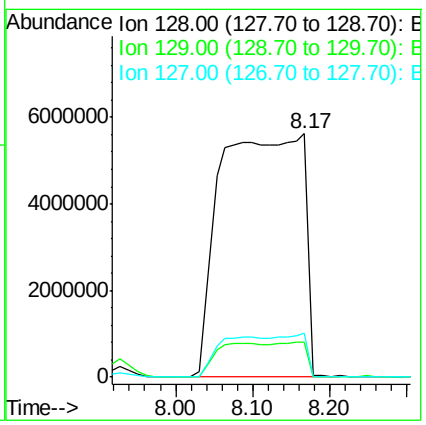
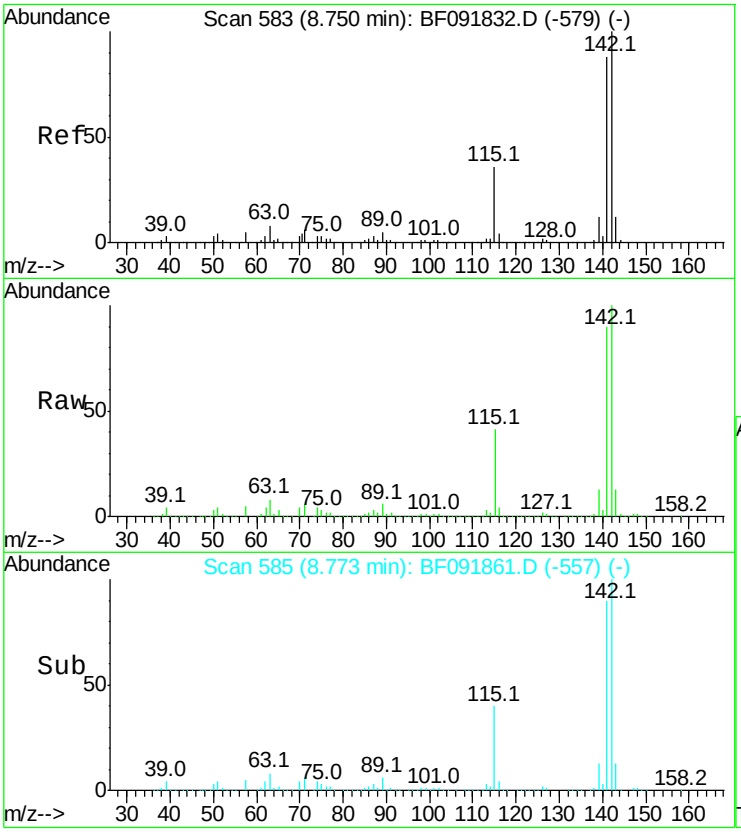


#31
Naphthalene
Concen: 3188.69 ng m
RT: 8.17 min Scan# 532
Delta R.T. 0.10 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:128 Resp:42094772

Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.5	14.3#
127	18.1	10.8	16.2#

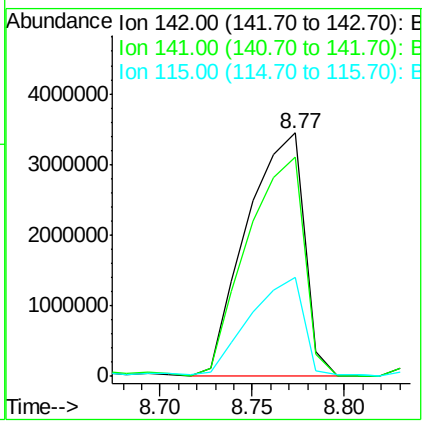




#37
2-Methylnaphthalene
Concen: Below Cal m
RT: 8.77 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:142 Resp: 7479501

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.0	106.6
115	40.6	28.3	42.5



Instrument :
BNA_F
ClientSampleId :
MW-14

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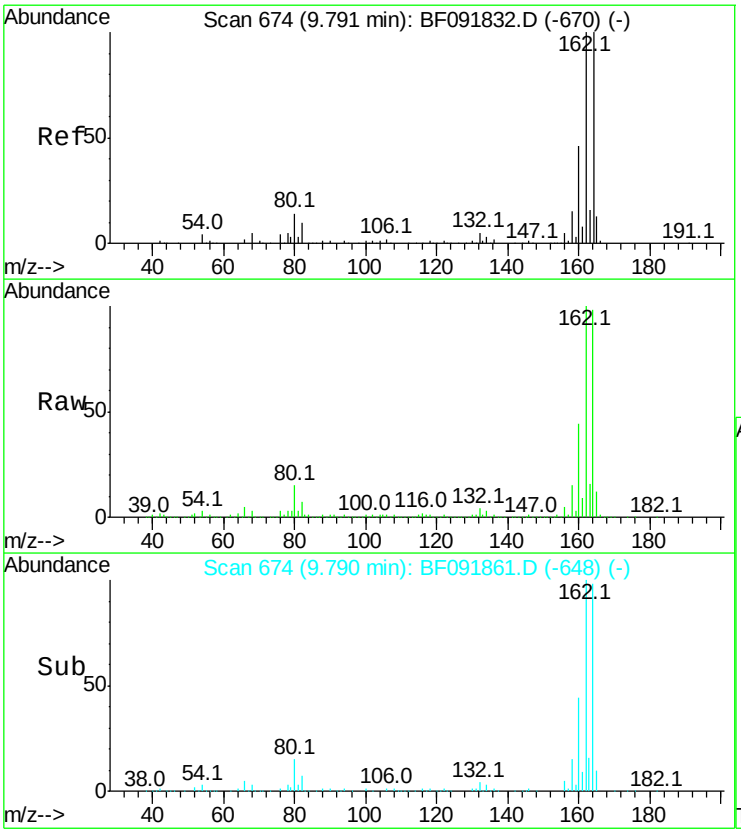
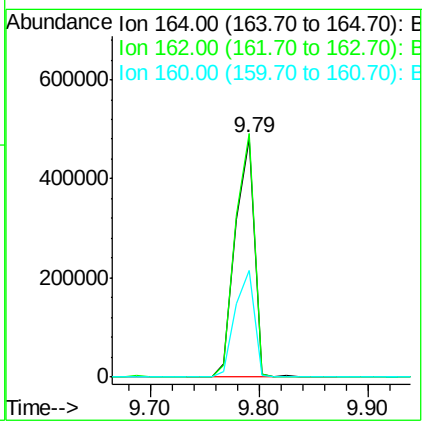
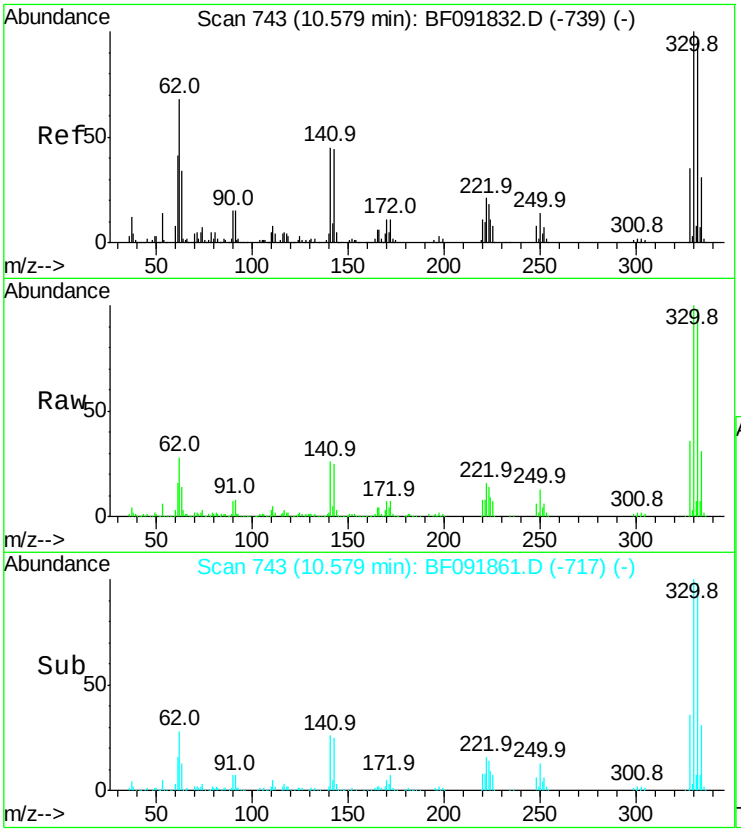


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:164 Resp: 571504

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.2
160	44.9	36.9	55.3

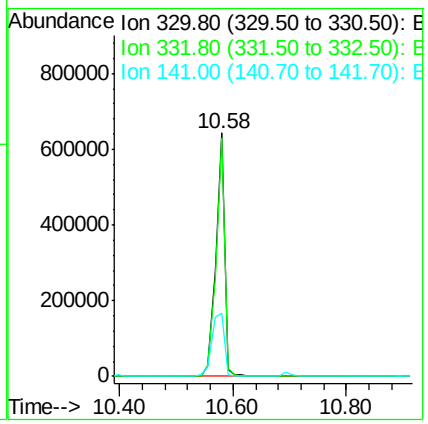




#41
2,4,6-Tribromophenol
Concen: 143.65 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:330 Resp: 679434

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.2
141	36.0	34.1	51.1



Instrument :
BNA_F
ClientSampleId :
MW-14

Manual Integrations APPROVED
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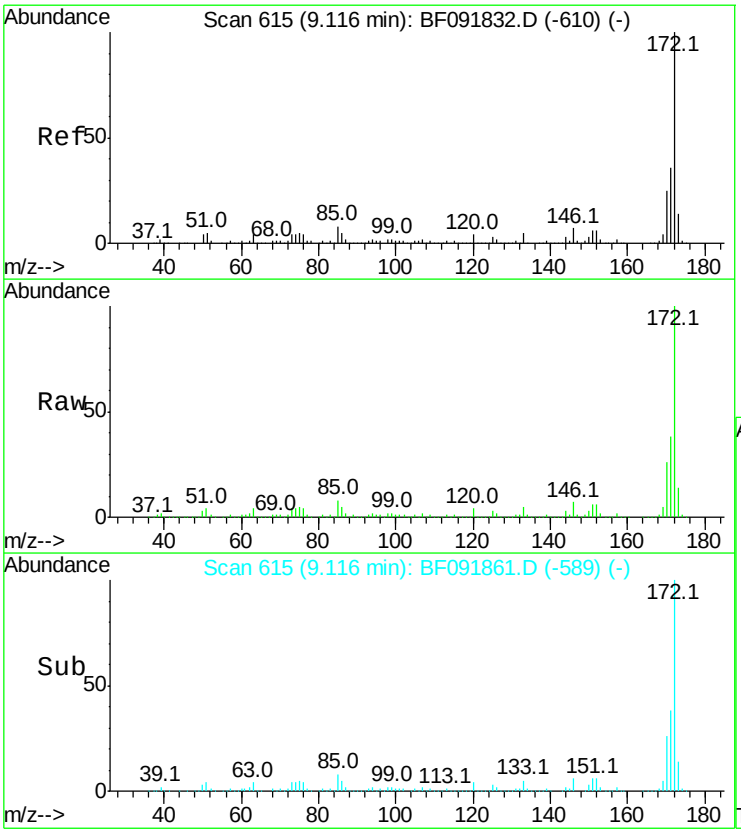
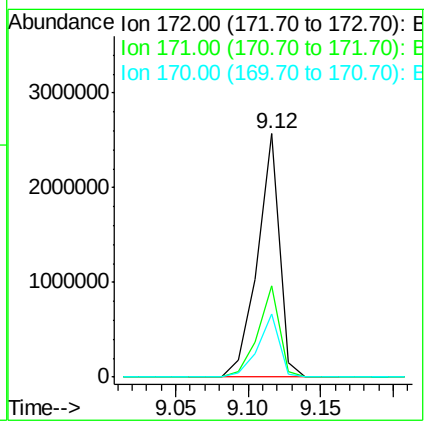
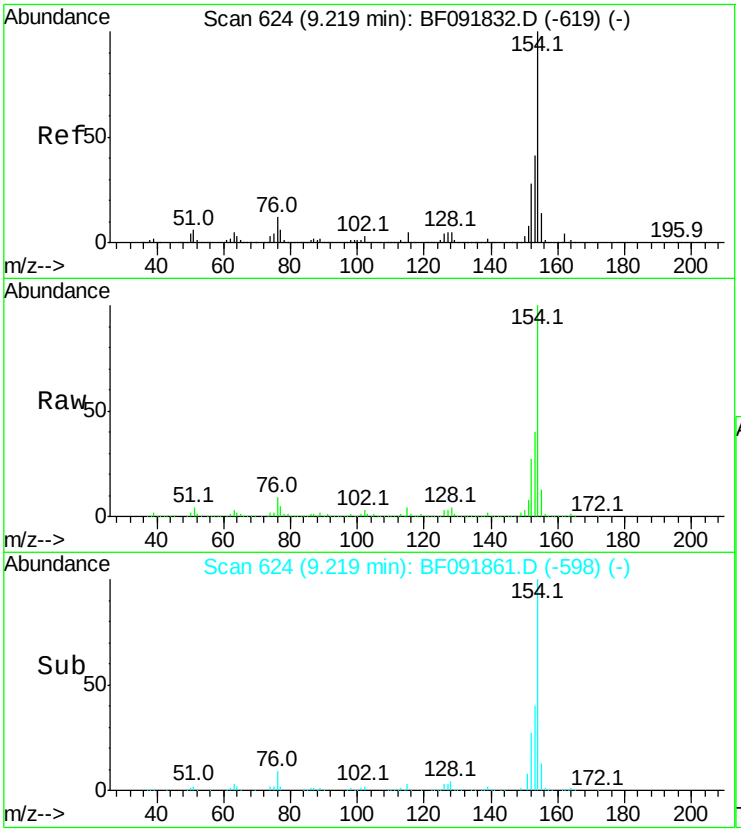


#44
2-Fluorobiphenyl
Concen: 99.02 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:172 Resp: 2702661

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.0
170	25.8	20.2	30.4

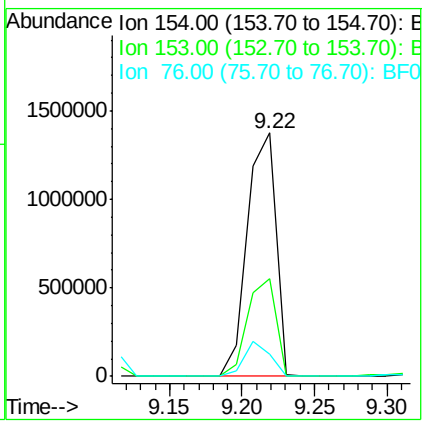




#45
1,1'-Biphenyl
Concen: 48.30 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:154 Resp: 1890050

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.9	60.9
76	9.0	0.0	30.5



Instrument :
BNA_F
ClientSampleId :
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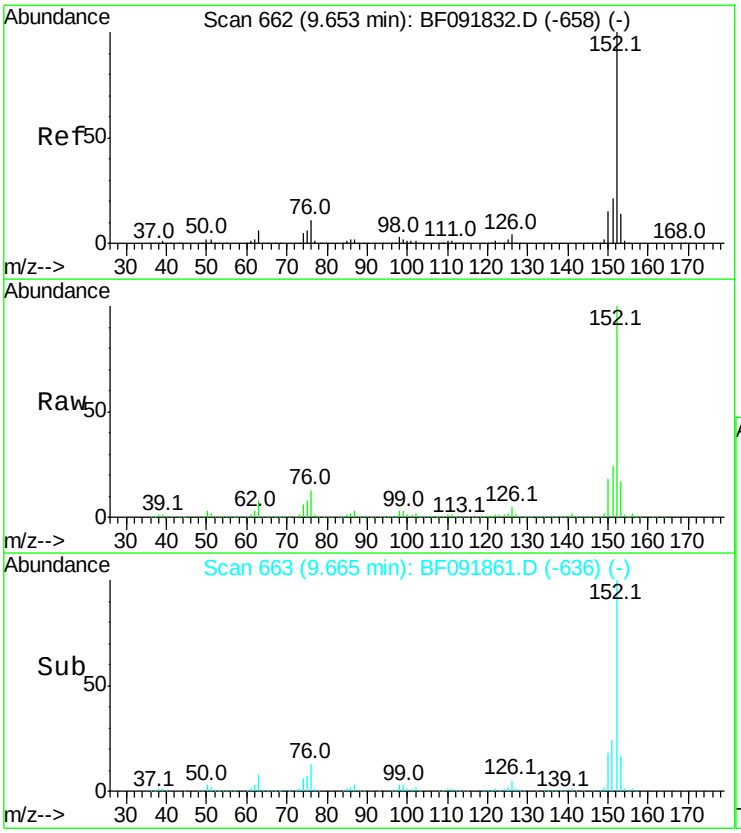
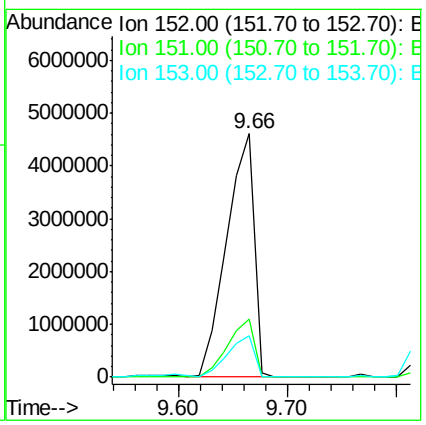
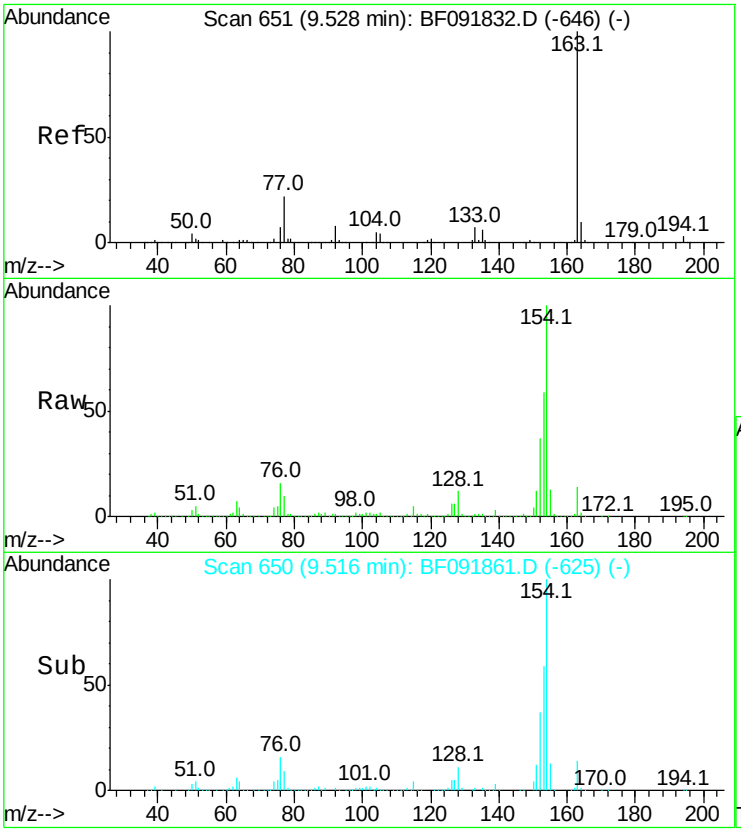


#48
Acenaphthylene
Concen: 167.93 ng
RT: 9.66 min Scan# 663
Delta R.T. 0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:152 Resp: 8003247

Ion	Ratio	Lower	Upper
152	100		
151	23.8	16.9	25.3
153	17.0	11.4	17.2

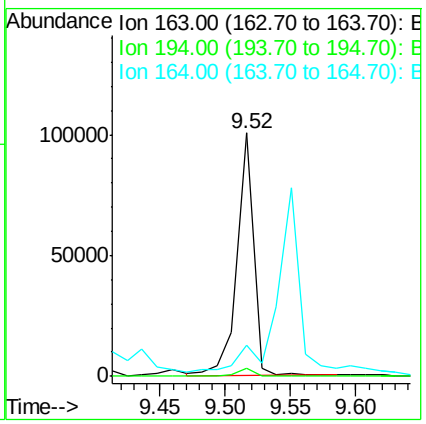




#49
Dimethylphthalate
Concen: 2.38 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:163 Resp: 87093

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	12.6	8.0	12.0#



Instrument :
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ClientSampleId :
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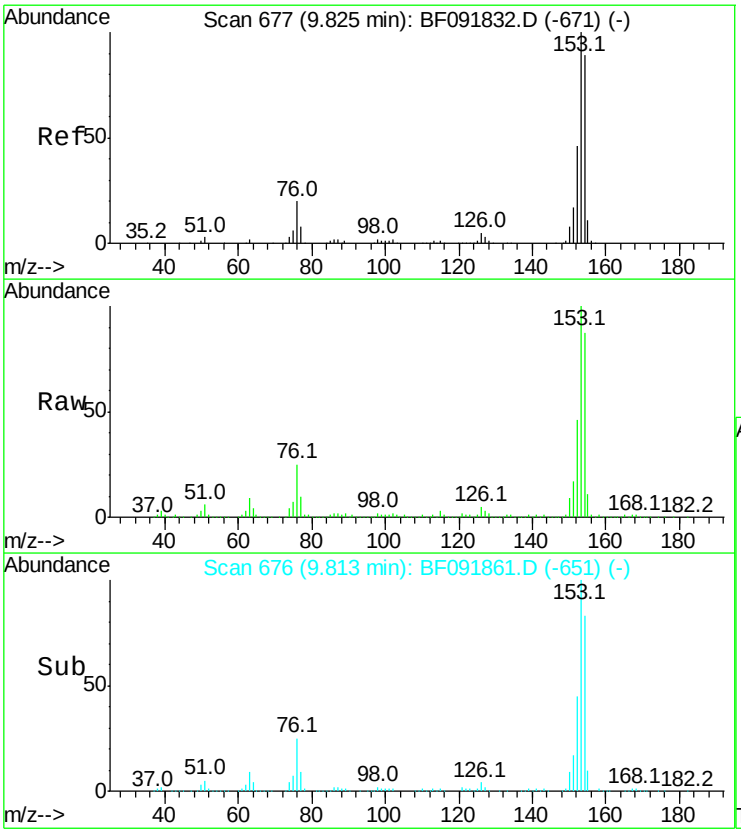
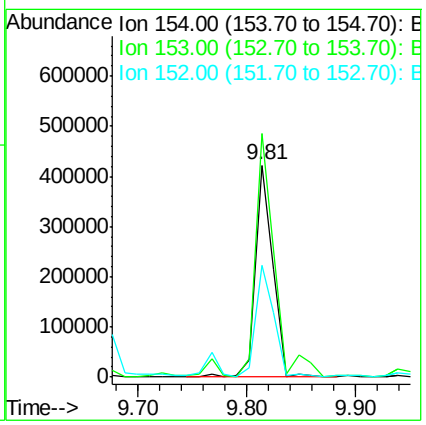
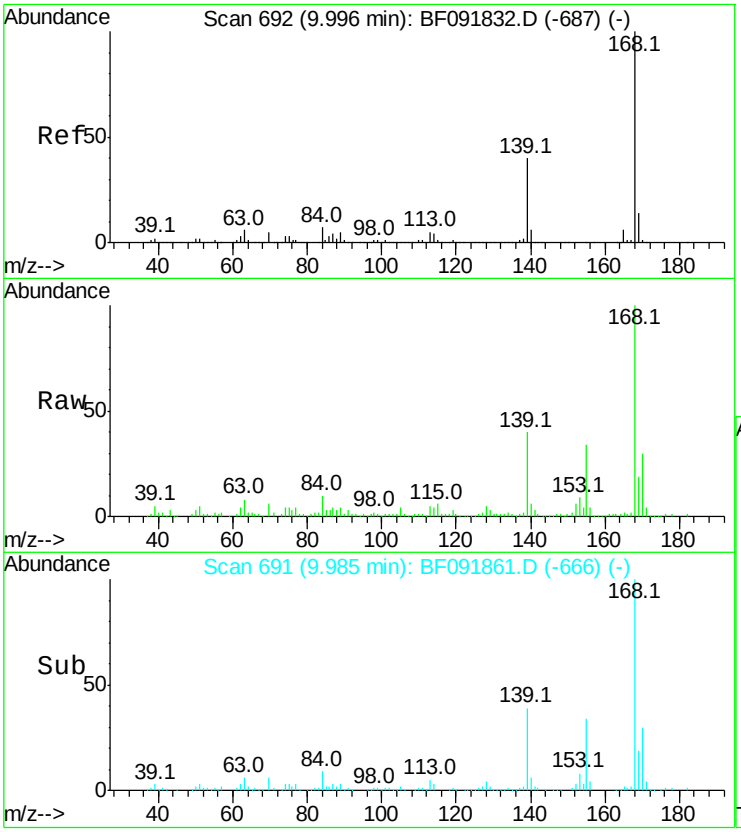


#51
Acenaphthene
Concen: 14.62 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:154 Resp: 472539

Ion	Ratio	Lower	Upper
154	100		
153	114.8	88.6	133.0
152	52.7	41.6	62.4

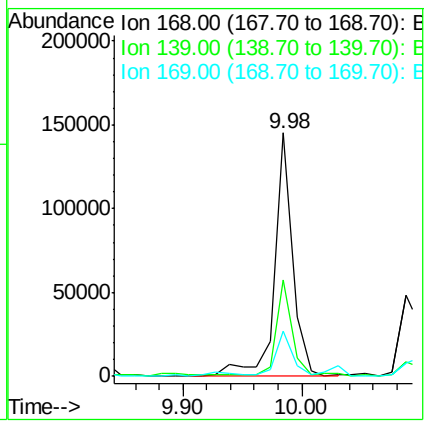




#54
Dibenzofuran
Concen: 3.55 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:168 Resp: 154782

Ion	Ratio	Lower	Upper
168	100		
139	39.7	32.6	49.0
169	18.7	11.3	16.9#



Instrument :
BNA_F
ClientSampleId :
MW-14

Manual Integrations APPROVED
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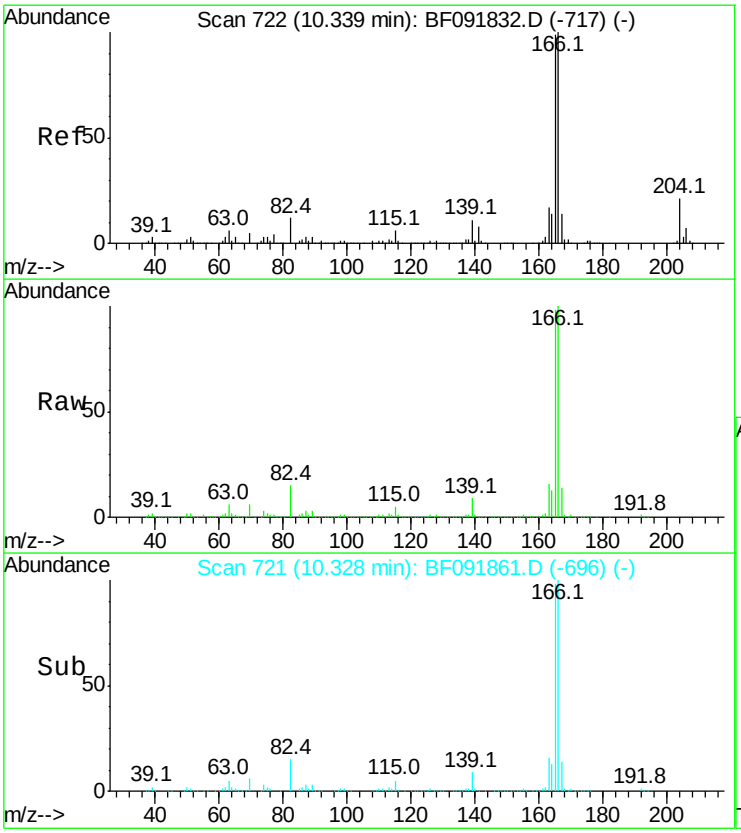
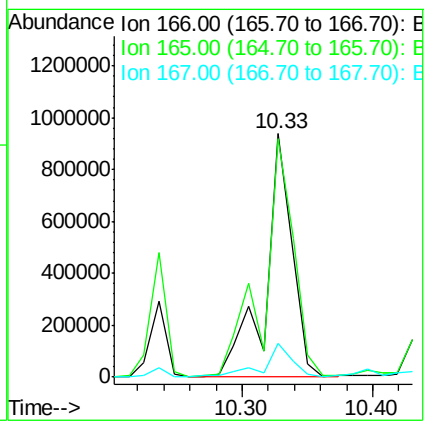
12/22/2016 7:09:13 PM

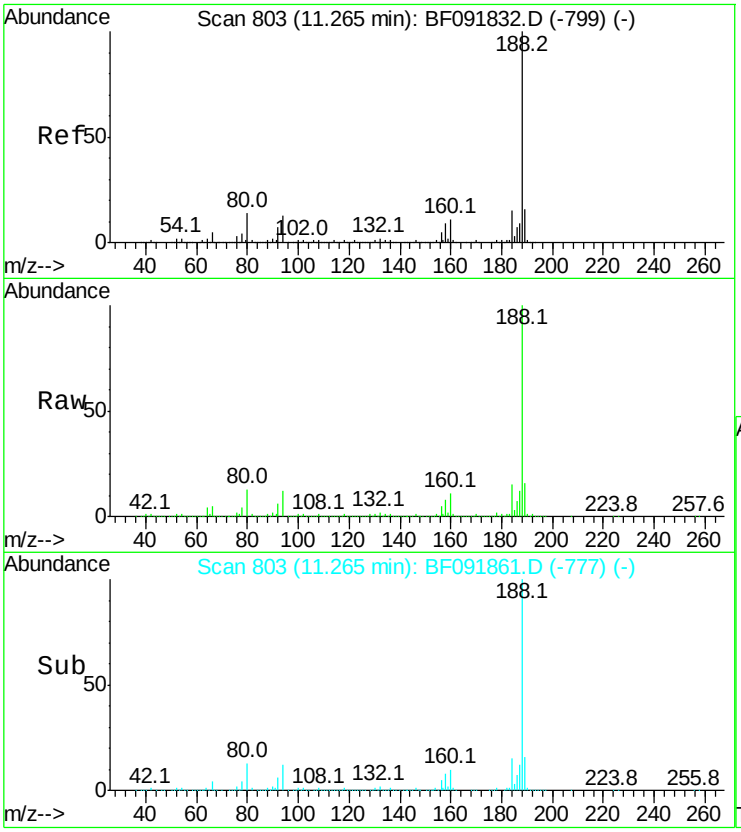


#57
Fluorene
Concen: 42.42 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:166 Resp: 1346596

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.8
167	14.0	10.8	16.2

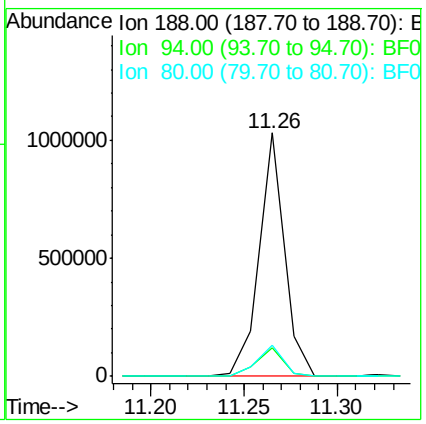




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:188 Resp: 968635

Ion	Ratio	Lower	Upper
188	100		
94	11.9	10.0	15.0
80	12.6	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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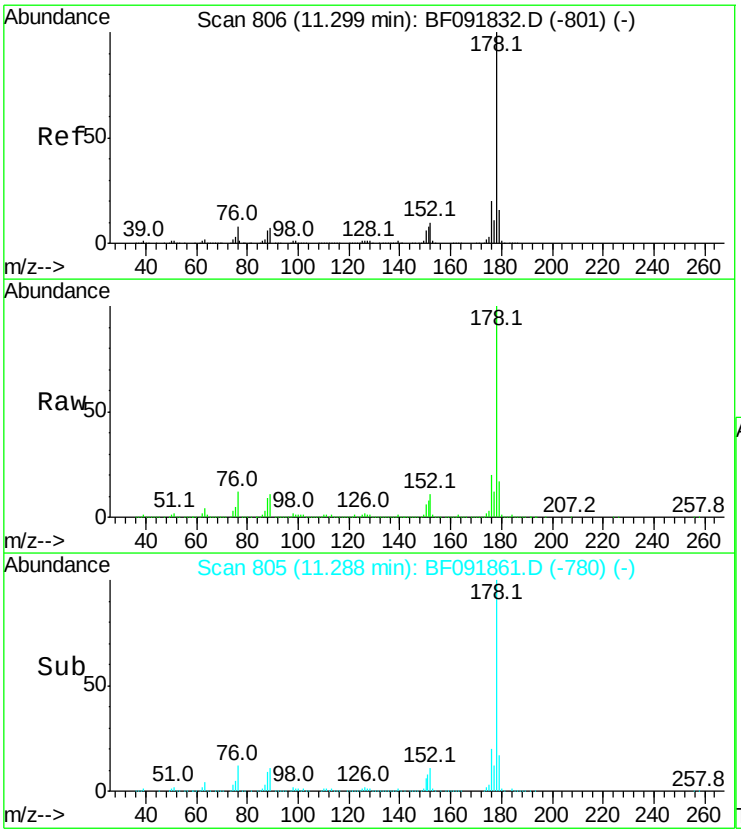
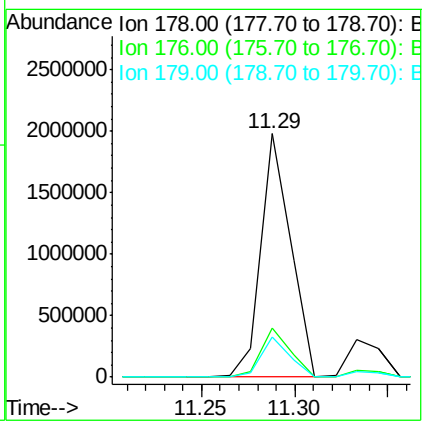
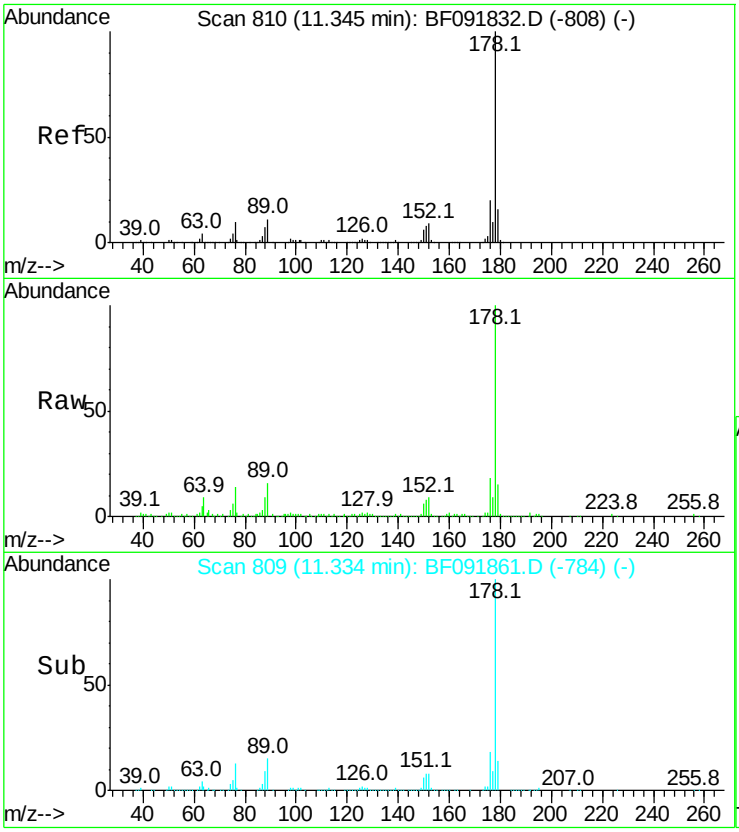


#70
Phenanthrene
Concen: 41.82 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:178 Resp: 2196625

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	25.0
179	16.6	12.8	19.2

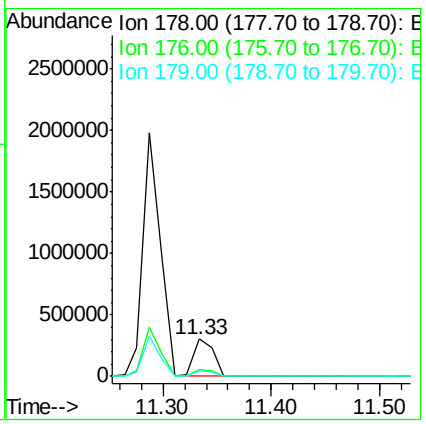




#71
Anthracene
Concen: 5.86 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:178 Resp: 379980

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.4	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
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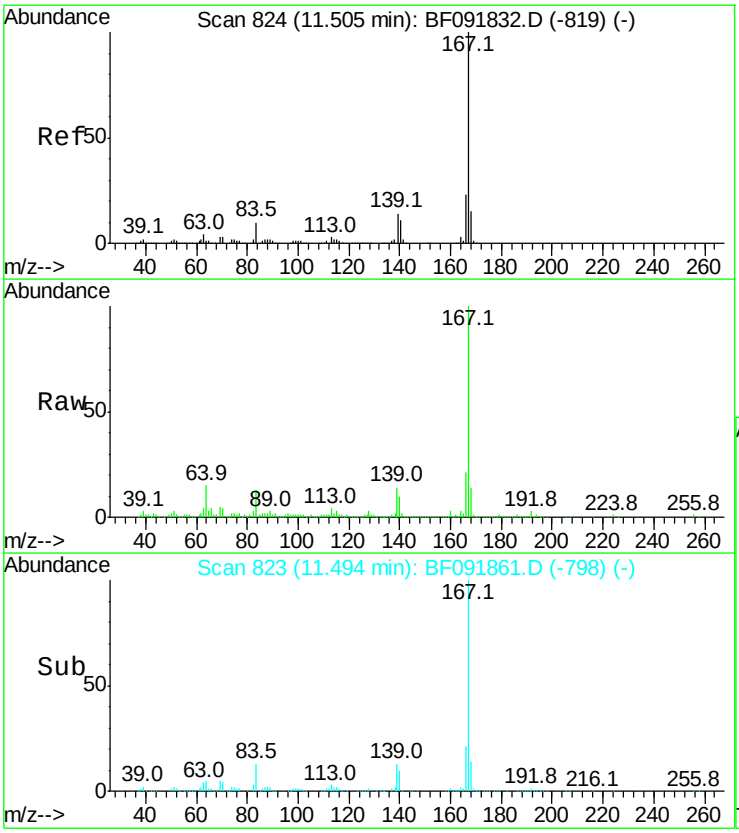
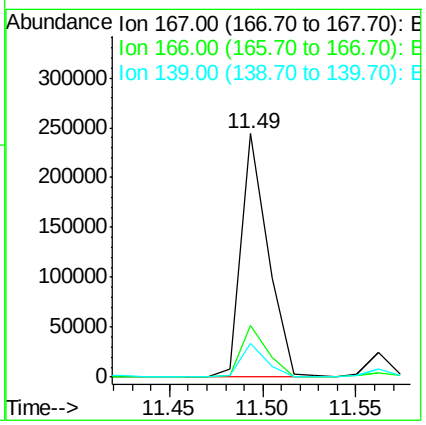
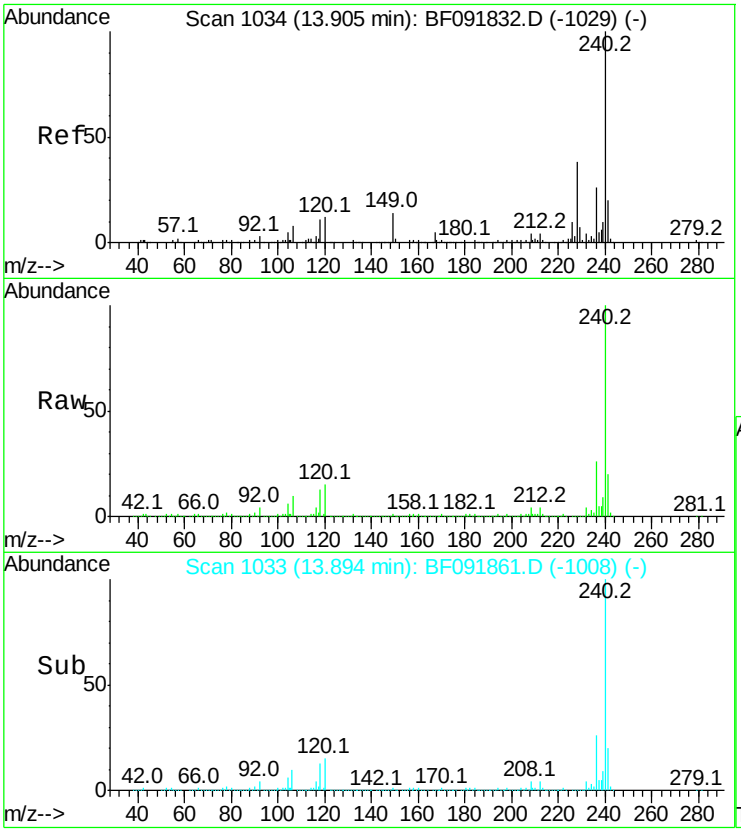


#72
Carbazole
Concen: 4.09 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:167 Resp: 243119

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.2	27.2
139	13.6	11.4	17.2

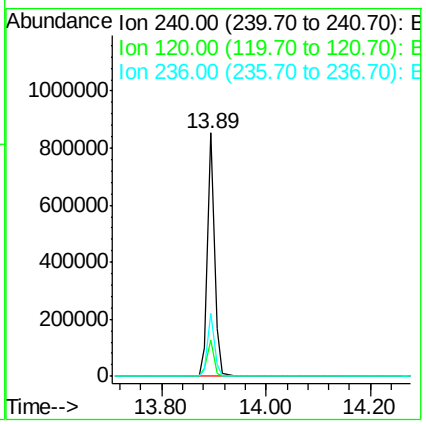




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:240 Resp: 792050

Ion	Ratio	Lower	Upper
240	100		
120	14.7	12.9	19.3
236	25.7	20.9	31.3



Instrument :
BNA_F
ClientSampleId :
MW-14

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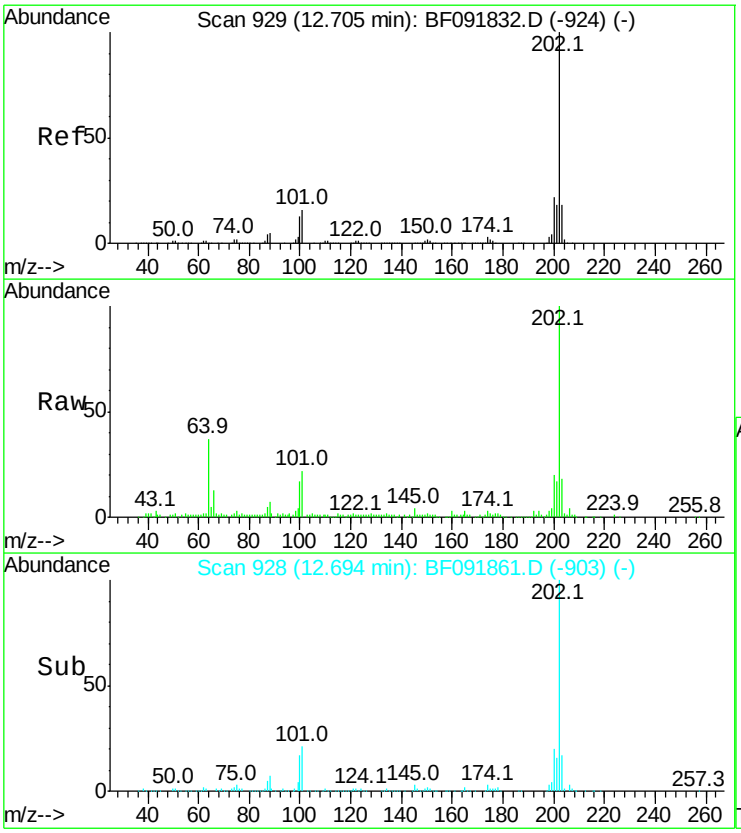
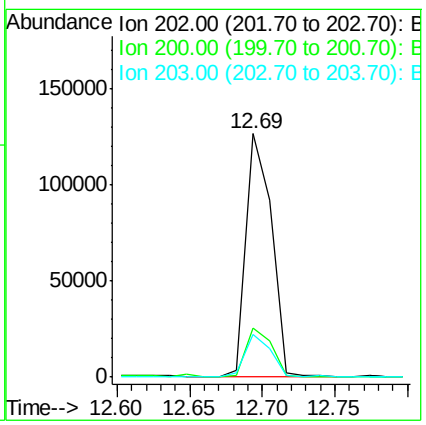
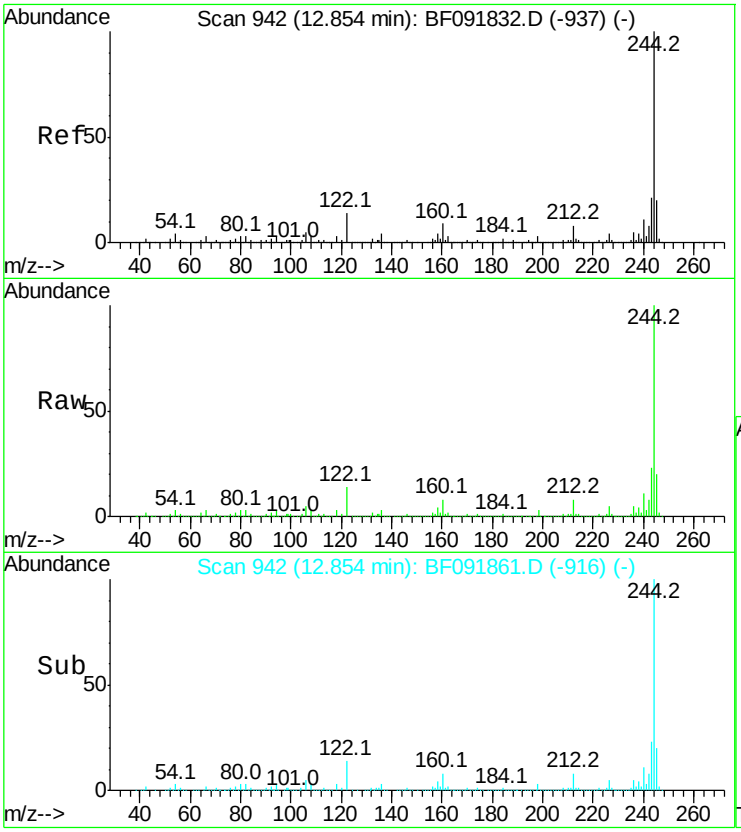


#77
Pyrene
Concen: 2.66 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:202 Resp: 154376

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.7	26.5
203	17.7	14.7	22.1

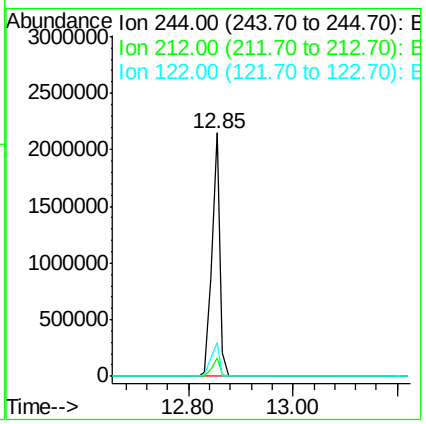




#78
Terphenyl-d14
Concen: 69.33 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:244 Resp: 2264042

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	13.7	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
MW-14

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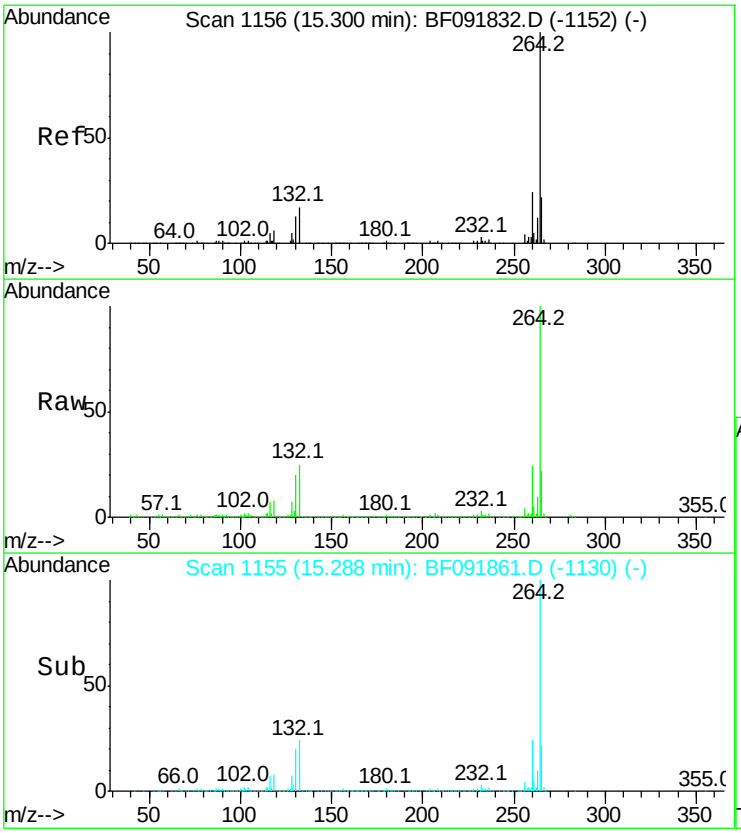

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091861.D
Acq: 22 Dec 2016 3:56

Tgt Ion:264 Resp: 624851

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.8	17.4	26.0