Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081528.D
Acq On : 8 Sep 2015 18:15
Operator : UM/IZ
Sample : G3472-02DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002DL

Manual Integrations APPROVED
MMDadoda
9/9/2015 2:58:18 PM

Quant Time: Sep 09 01:22:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 23:43:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	49182	20.00	ng		0.00
21) Naphthalene-d8	7.63	136	195031	20.00	ng		-0.01
38) Acenaphthene-d10	9.37	164	84415	20.00	ng		-0.01
63) Phenanthrene-d10	10.83	188	165397	20.00	ng		-0.01
75) Chrysene-d12	13.45	240	107356	20.00	ng		0.00
86) Perylene-d12	14.75	264	86517	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.88	112	62086	19.59	ng		0.00
7) Phenol-d6	6.01	99	90447	21.56	ng		-0.01
23) Nitrobenzene-d5	6.92	82	53865	13.33	ng		0.00
41) 2,4,6-Tribromophenol	10.16	330	16267	21.64	ng		0.00
44) 2-Fluorobiphenyl	8.72	172	96227	14.61	ng		0.00
78) Terphenyl-d14	12.42	244	71537	15.51	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.12	163	26079	3.98	ng	#	96
51) Acenaphthene	9.40	154	11926	2.11	ng		92
57) Fluorene	9.92	166	13641	2.17	ng		95
70) Phenanthrene	10.87	178	190625	20.73	ng		97
71) Anthracene	10.91	178	50471	5.34	ng		98
72) Carbazole	11.07	167	23153	2.61	ng	#	96
74) Fluoranthene	12.03	202	262773	26.40	ng		90
77) Pyrene	12.26	202	218807	27.51	ng		98
80) Benzo(a)anthracene	13.44	228	97282m	14.23	ng		
82) Chrysene	13.47	228	80240m	13.09	ng		
85) Indeno(1,2,3-cd)pyrene	15.82	276	43048	9.57	ng	#	81
87) Benzo(b)fluoranthene	14.43	252	77172m	12.49	ng		
88) Benzo(k)fluoranthene	14.43	252	39593m	7.73	ng		
89) Benzo(a)pyrene	14.71	252	64619	12.35	ng	#	82
90) Dibenzo(a,h)anthracene	15.83	278	14582	3.61	ng	#	79
91) Benzo(g,h,i)perylene	16.14	276	39789	10.31	ng	#	74

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
Data File : BF081528.D
Acq On : 8 Sep 2015 18:15
Operator : UM/IZ
Sample : G3472-02DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 09 01:22:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 08 23:43:58 2015
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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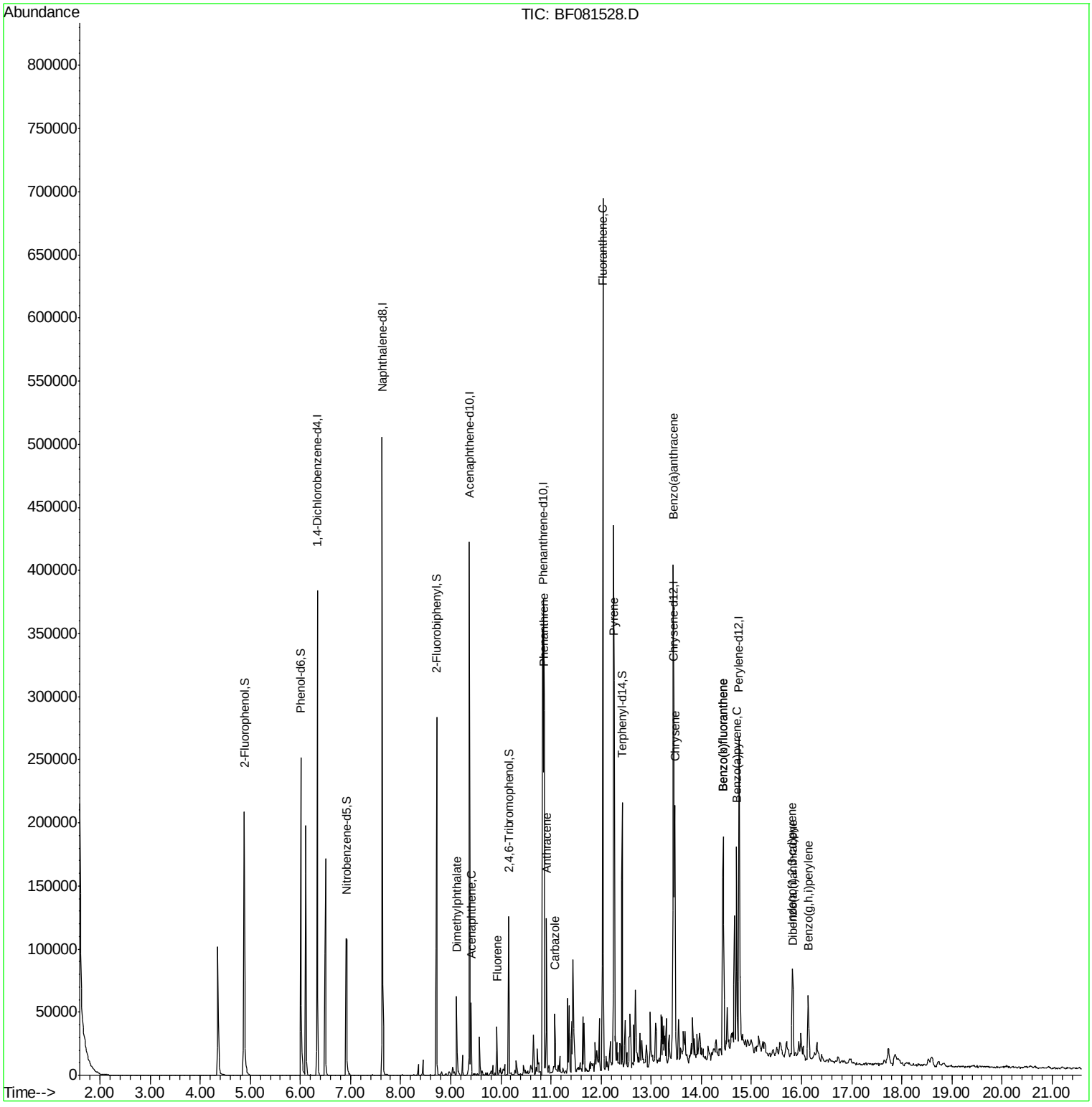
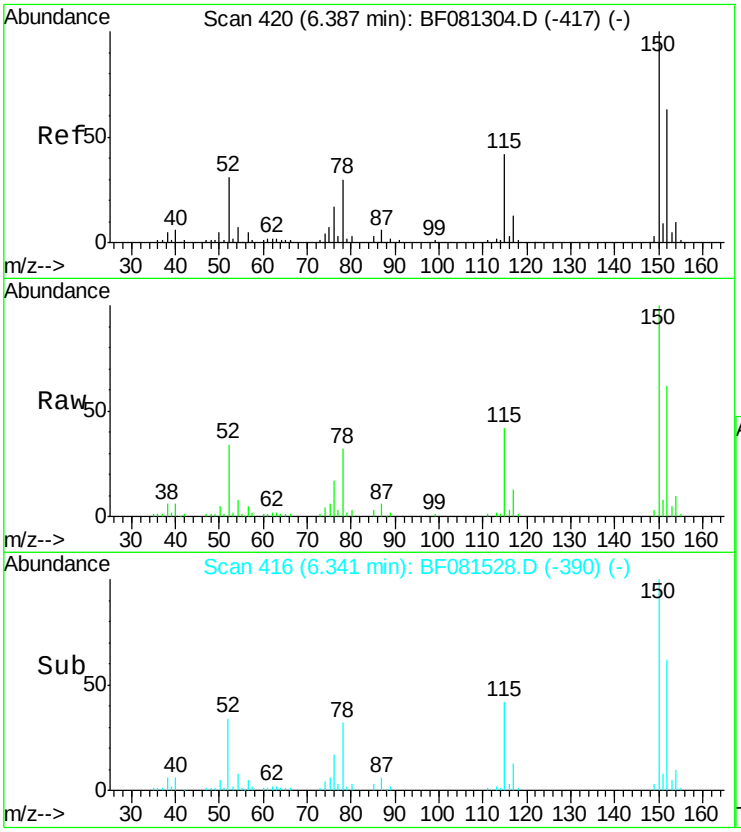
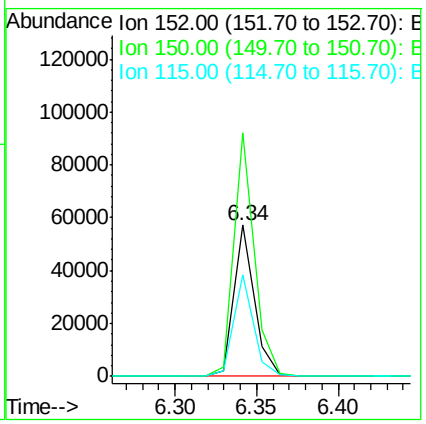




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.34 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:152 Resp: 49182

Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.7	187.1
115	67.3	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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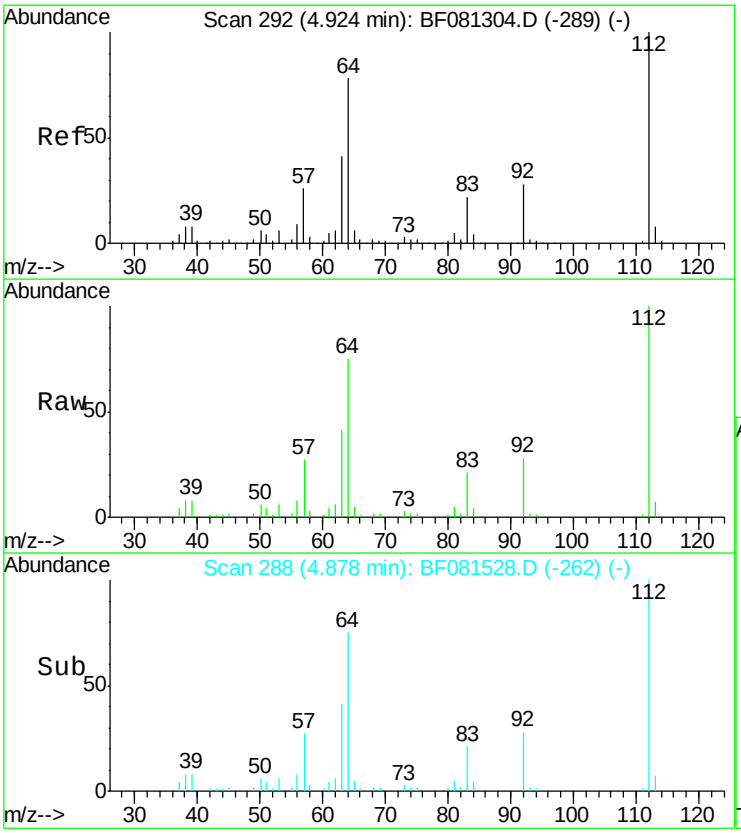
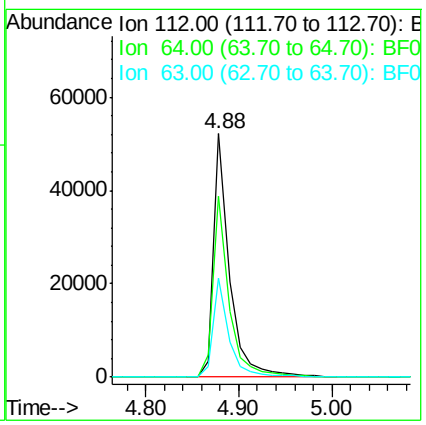
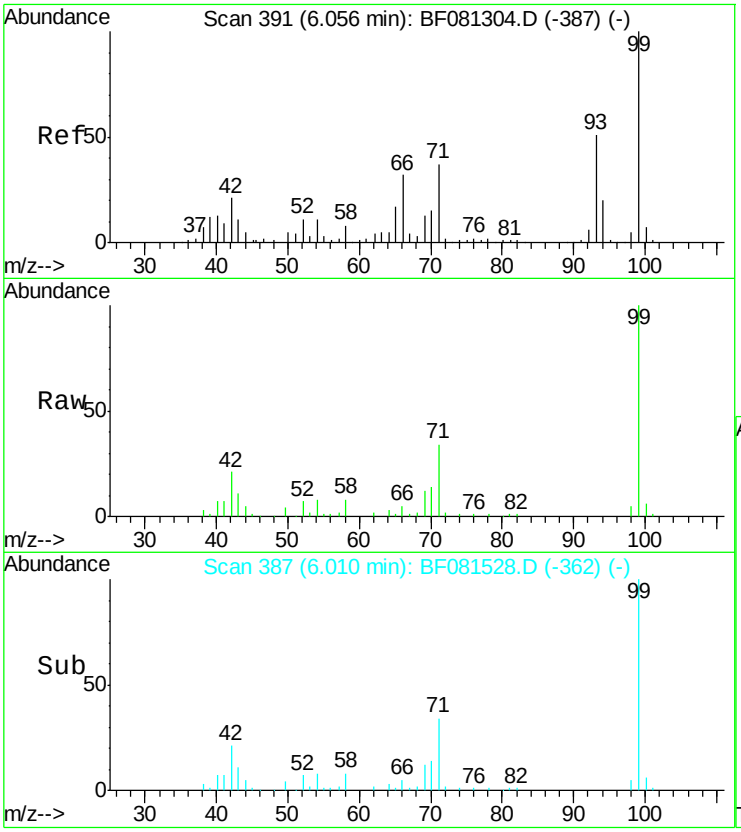


#5
2-Fluorophenol
Concen: 19.59 ng
RT: 4.88 min Scan# 288
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:112 Resp: 62086

Ion	Ratio	Lower	Upper
112	100		
64	74.5	39.7	59.5#
63	40.6	17.4	26.0#

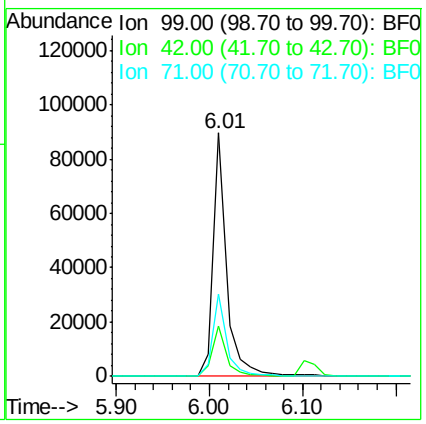




#7
Phenol-d6
Concen: 21.56 ng
RT: 6.01 min Scan# 387
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion: 99 Resp: 90447

Ion	Ratio	Lower	Upper
99	100		
42	20.6	13.7	20.5#
71	34.0	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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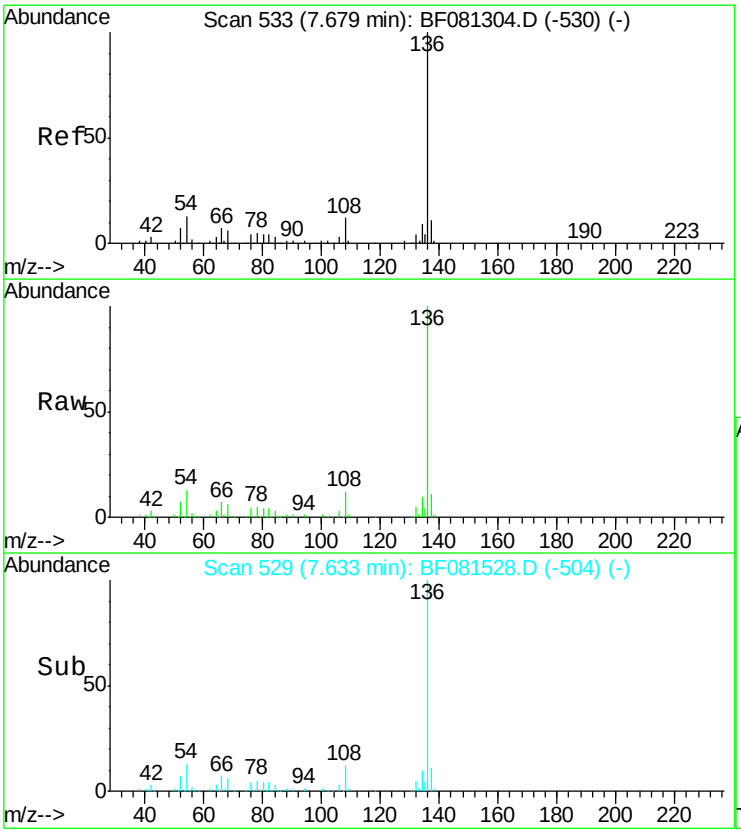
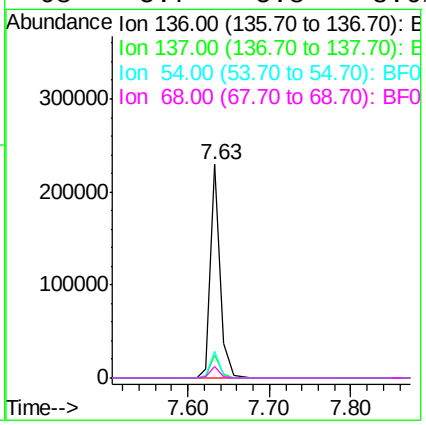
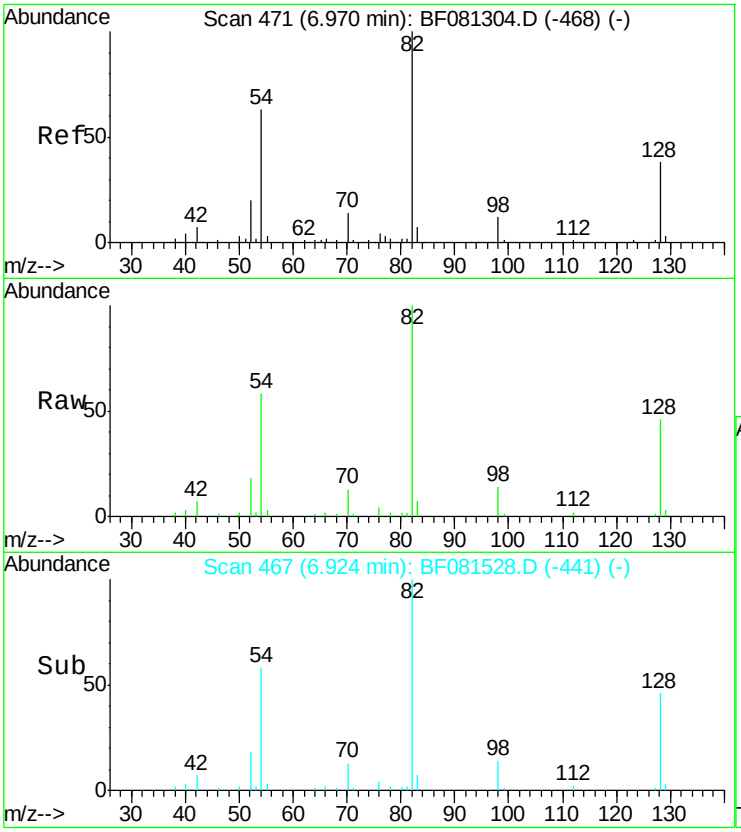


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:136 Resp: 195031

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	12.7	8.2	12.2#
68	5.7	5.8	8.6#

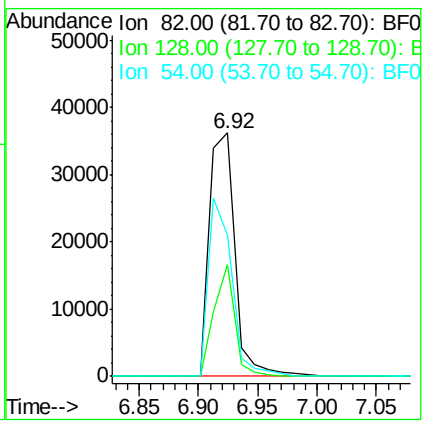




#23
Nitrobenzene-d5
Concen: 13.33 ng
RT: 6.92 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion: 82 Resp: 53865

Ion	Ratio	Lower	Upper
82	100		
128	46.0	51.0	76.6#
54	58.1	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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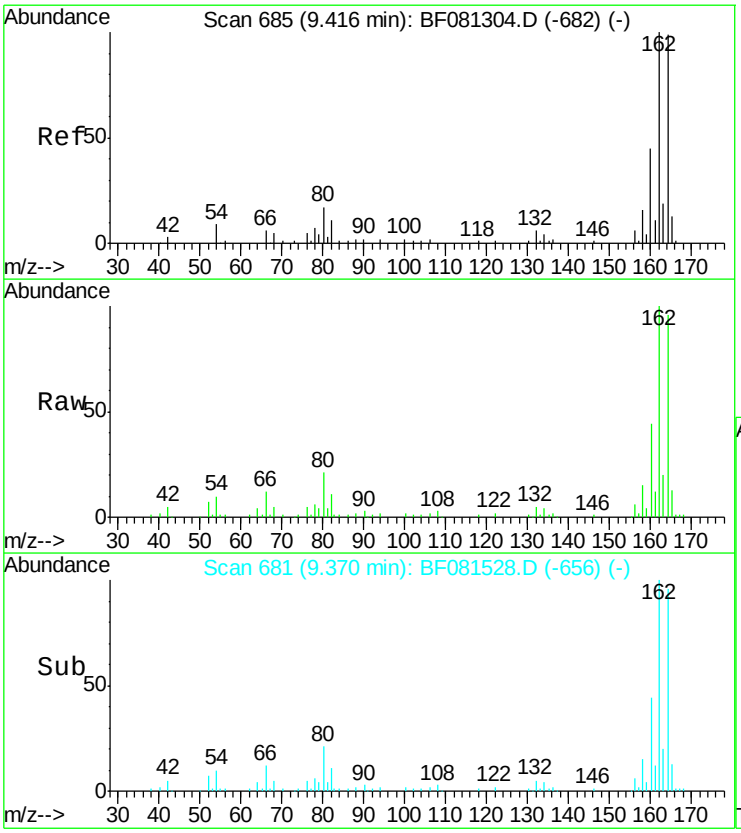
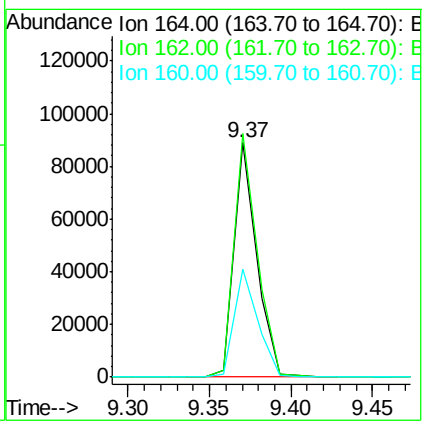
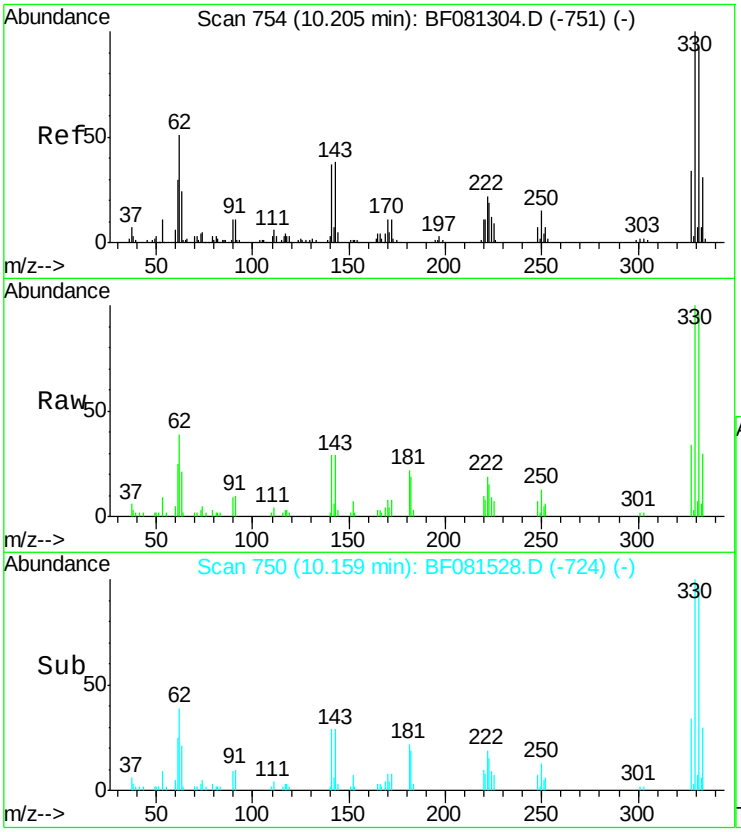


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:164 Resp: 84415

Ion	Ratio	Lower	Upper
164	100		
162	103.9	75.2	112.8
160	45.9	31.5	47.3

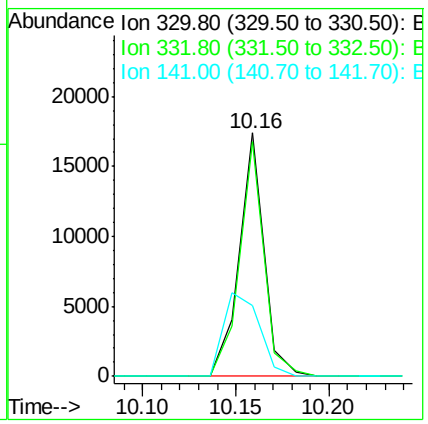




#41
2,4,6-Tribromophenol
Concen: 21.64 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:330 Resp: 16267

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.6	114.8
141	49.2	29.7	44.5#



Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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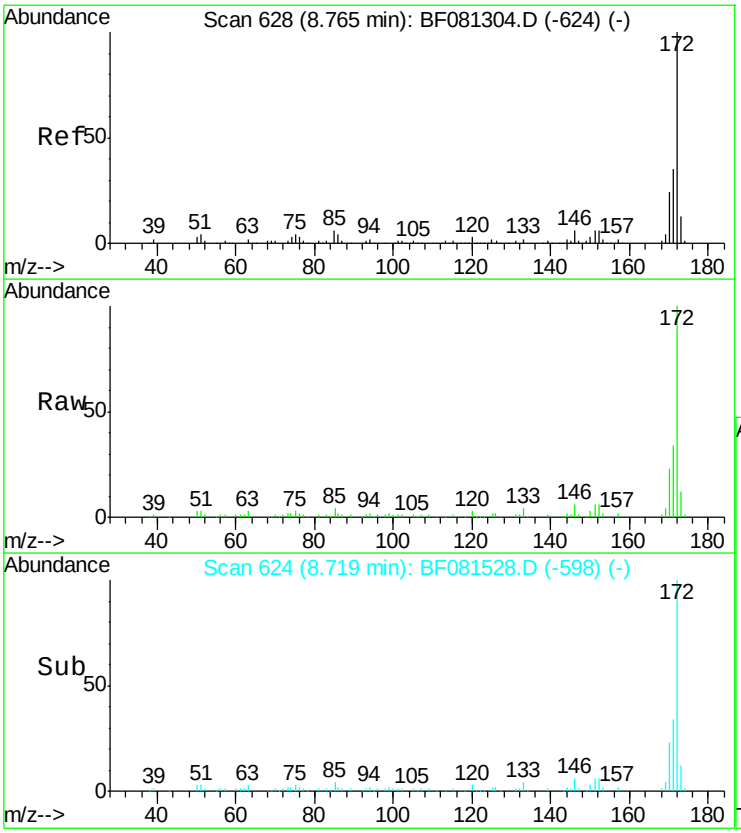
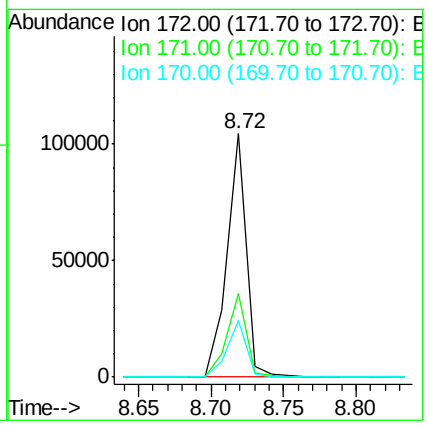
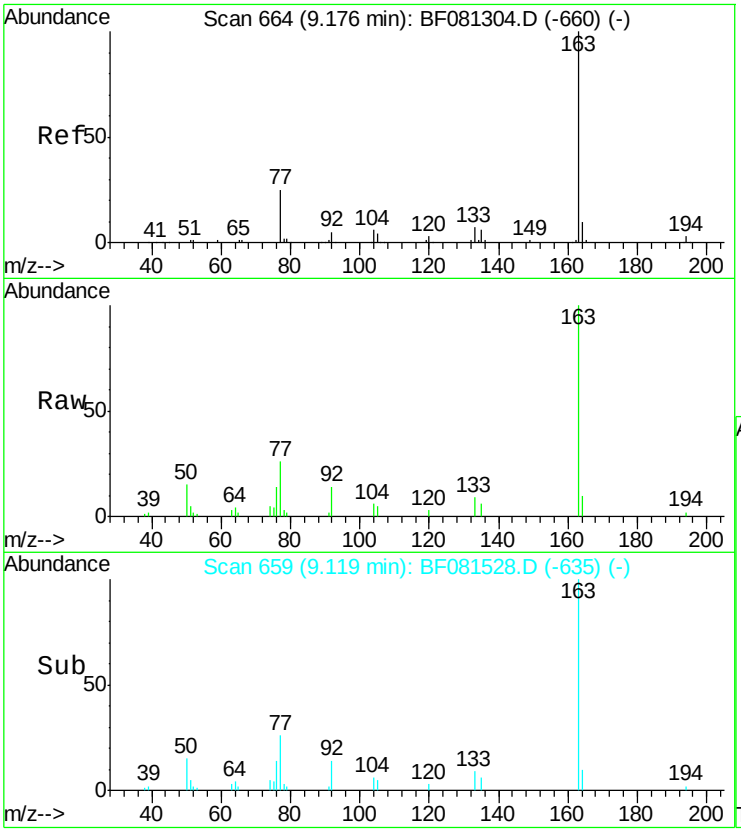


#44
2-Fluorobiphenyl
Concen: 14.61 ng
RT: 8.72 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:172 Resp: 96227

Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.1	39.1
170	23.2	17.4	26.2

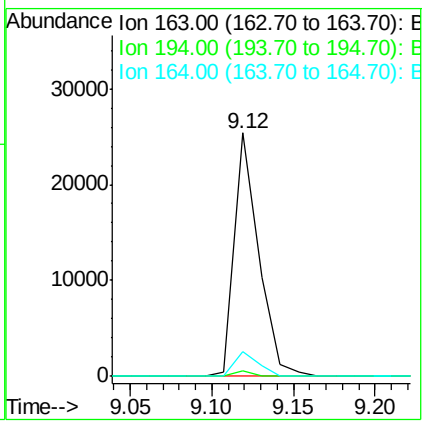




#49
Dimethylphthalate
Concen: 3.98 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:163 Resp: 26079

Ion	Ratio	Lower	Upper
163	100		
194	2.5	4.4	6.6#
164	10.0	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SB002DL

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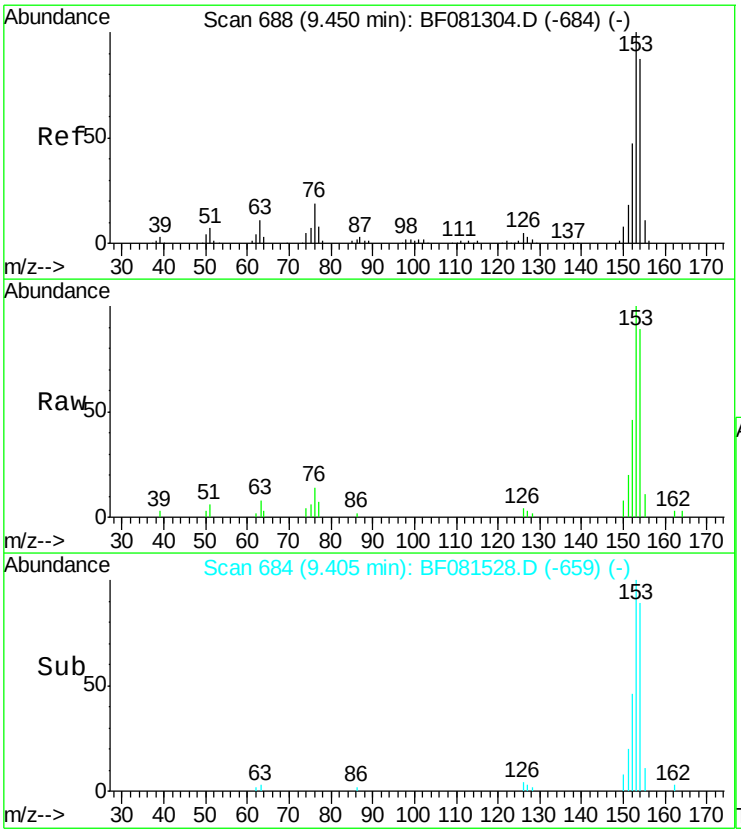
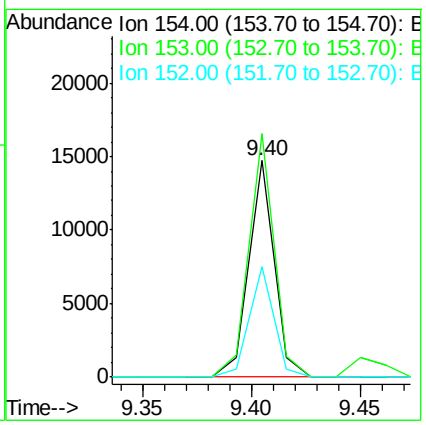
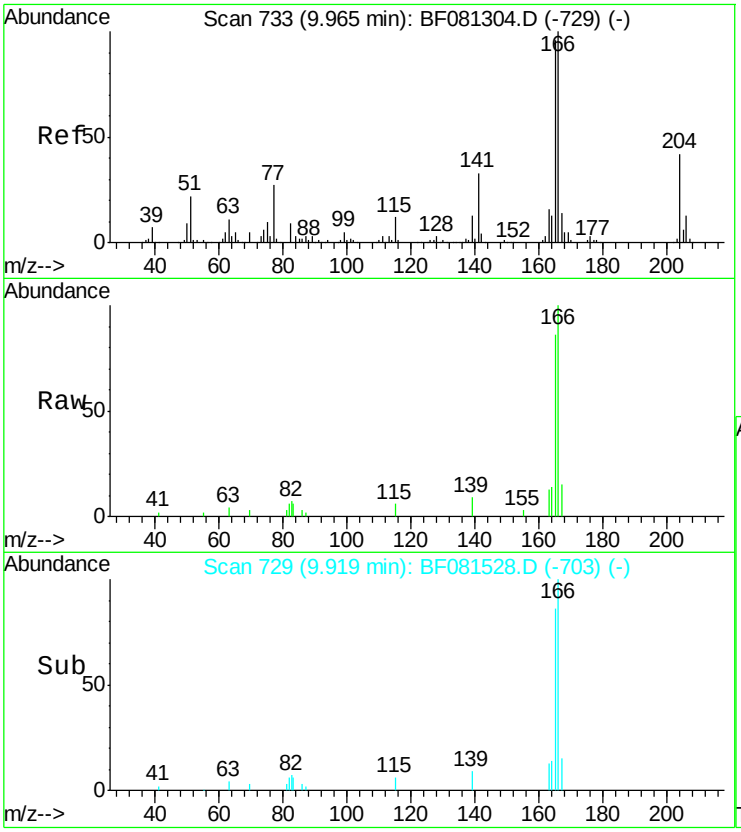


#51
Acenaphthene
Concen: 2.11 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:154 Resp: 11926

Ion	Ratio	Lower	Upper
154	100		
153	112.4	82.1	123.1
152	51.1	37.9	56.9

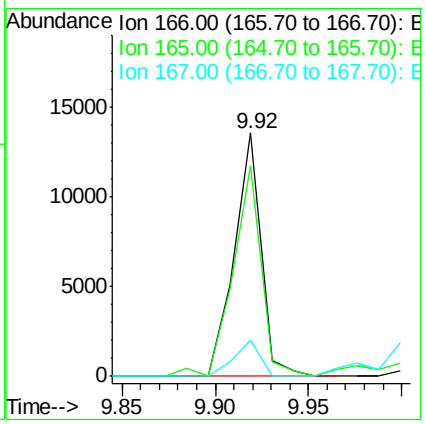




#57
Fluorene
Concen: 2.17 ng
RT: 9.92 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:166 Resp: 13641

Ion	Ratio	Lower	Upper
166	100		
165	86.5	72.6	109.0
167	15.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SB002DL

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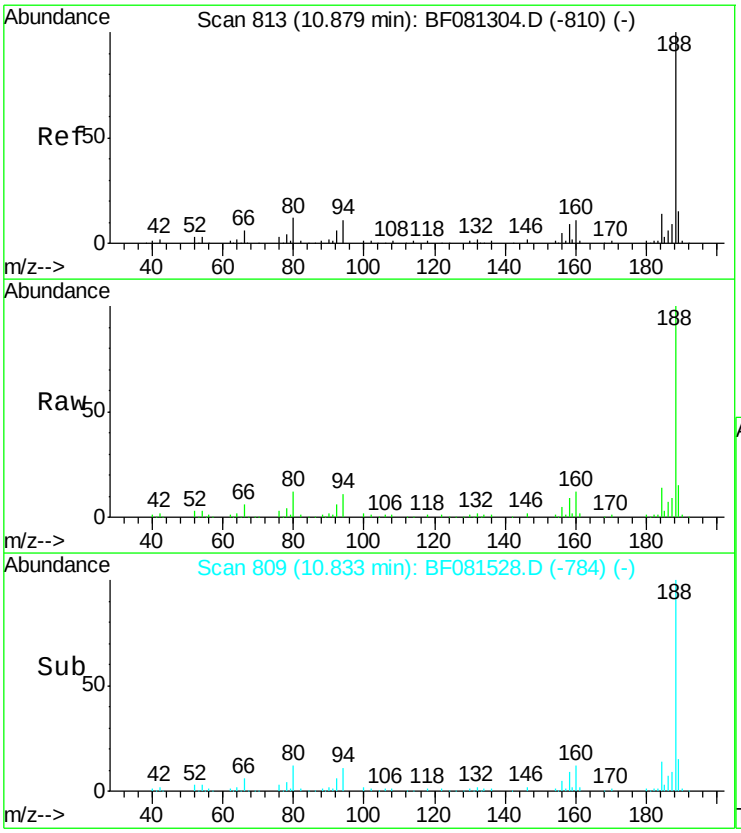
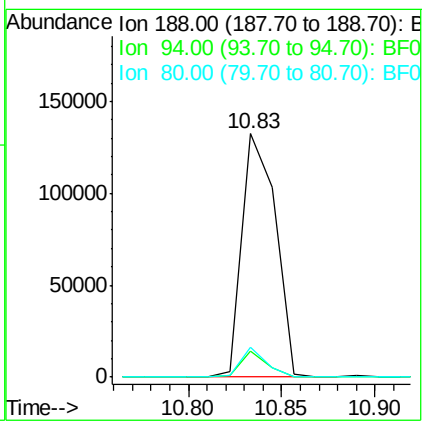
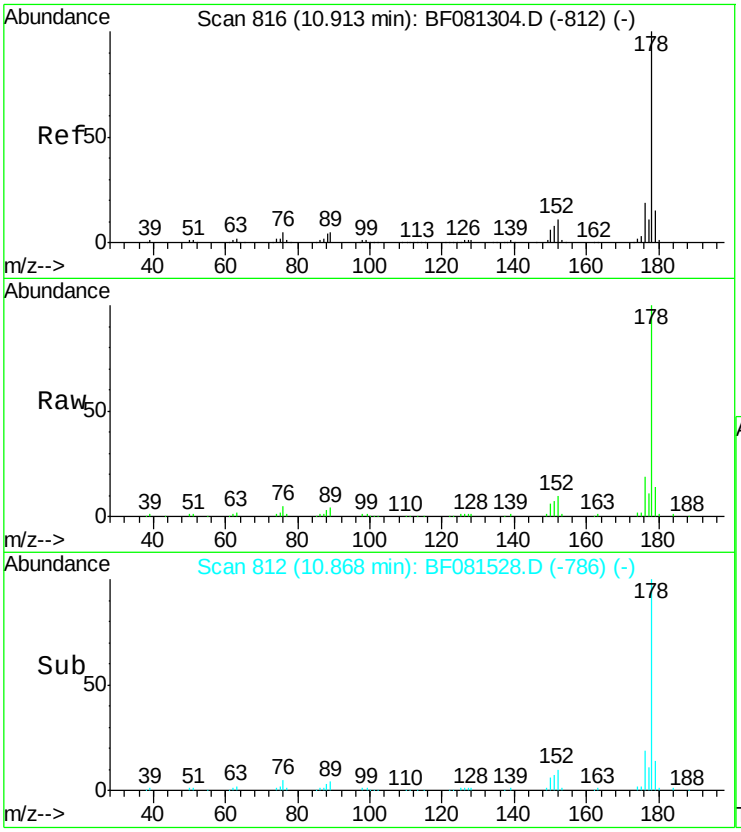


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.83 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:188 Resp: 165397

Ion	Ratio	Lower	Upper
188	100		
94	10.8	11.1	16.7#
80	12.3	11.0	16.4

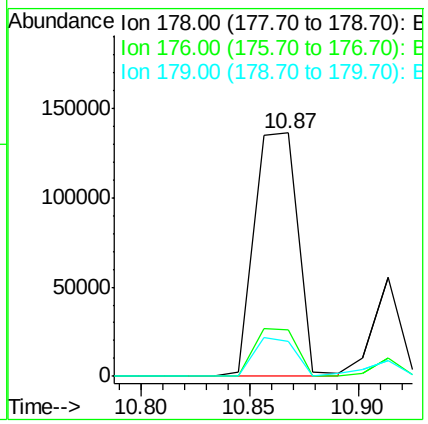




#70
Phenanthrene
Concen: 20.73 ng
RT: 10.87 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:178 Resp: 190625

Ion	Ratio	Lower	Upper
178	100		
176	19.0	13.8	20.8
179	14.5	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB002DL

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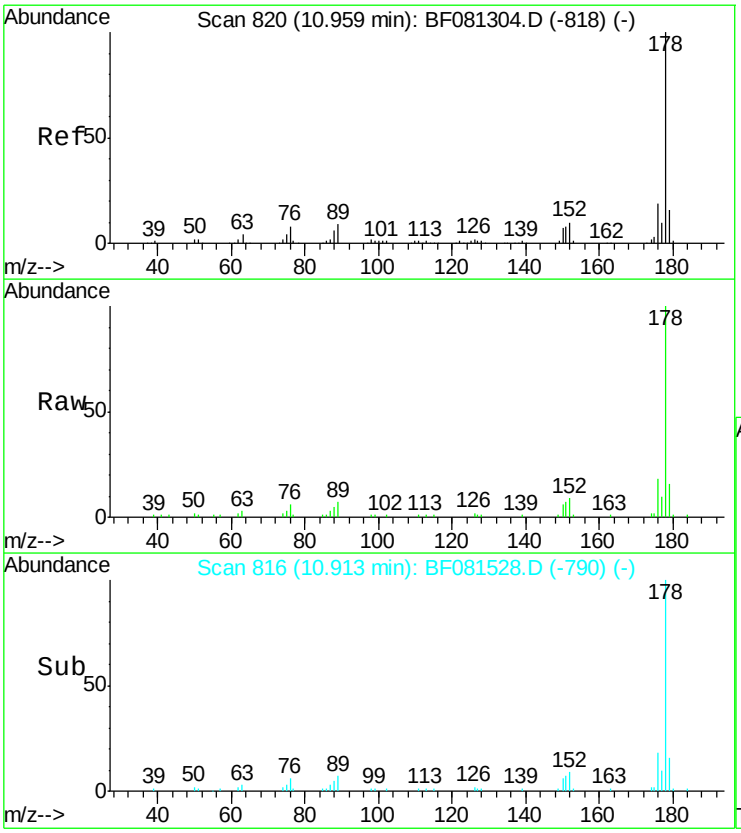
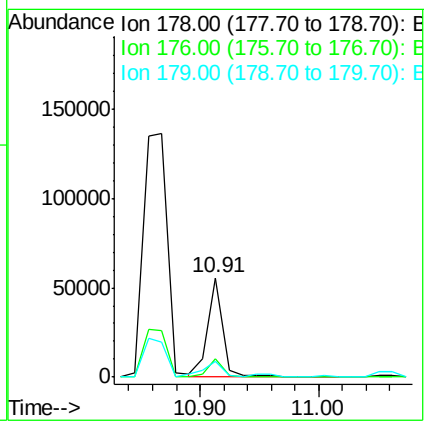
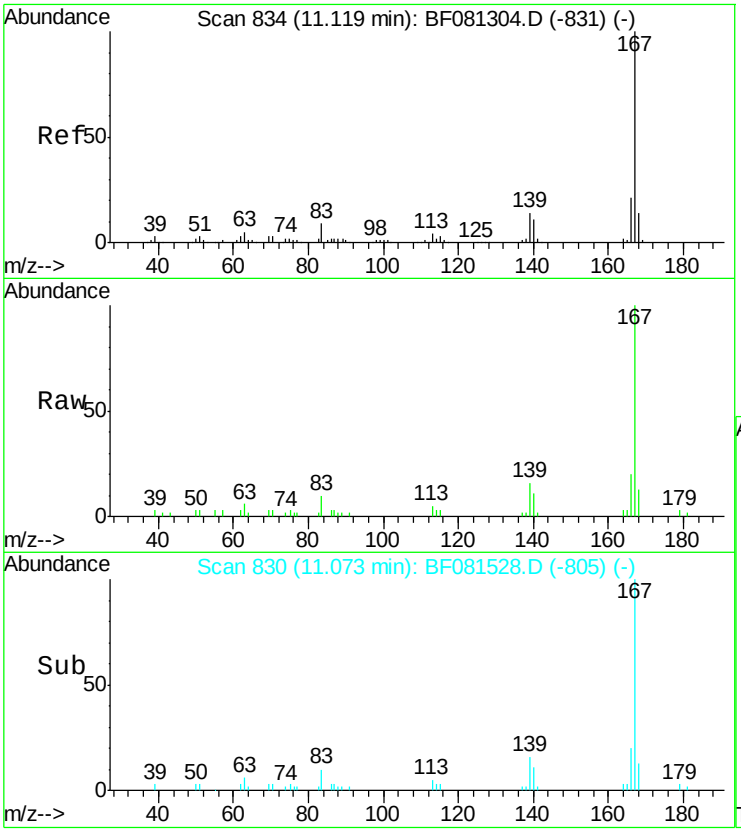


#71
Anthracene
Concen: 5.34 ng
RT: 10.91 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:178 Resp: 50471

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.1	21.1
179	16.3	12.2	18.2

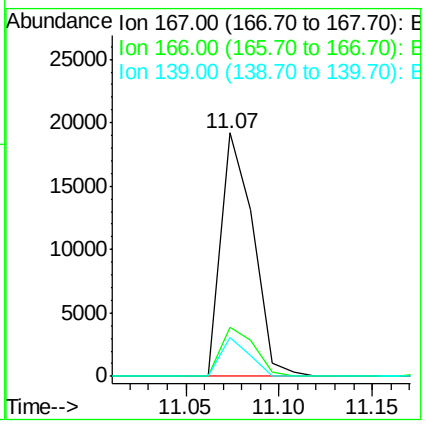




#72
Carbazole
Concen: 2.61 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:167 Resp: 23153

Ion	Ratio	Lower	Upper
167	100		
166	20.0	15.7	23.5
139	16.0	9.5	14.3#



Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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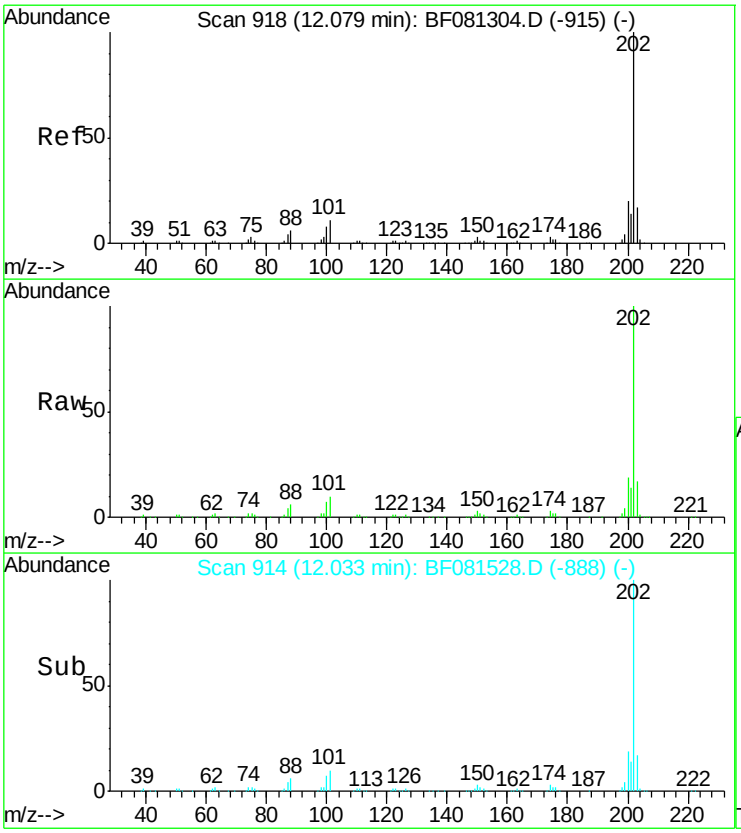
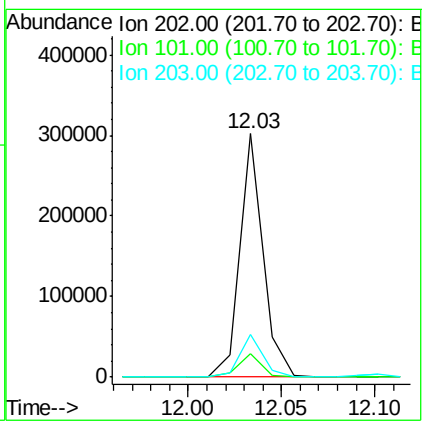
9/9/2015 2:58:18 PM

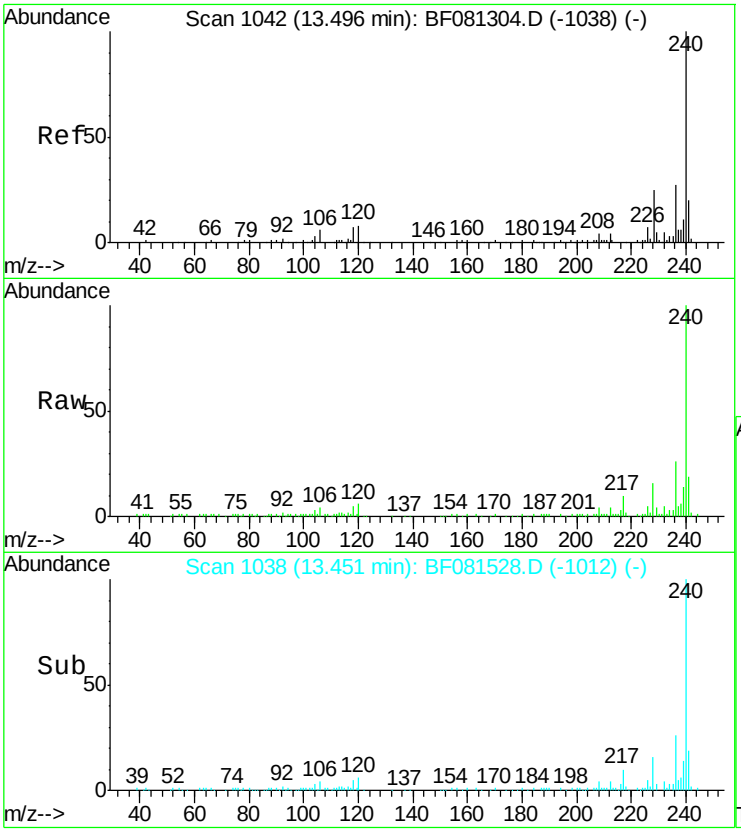


#74
Fluoranthene
Concen: 26.40 ng
RT: 12.03 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:202 Resp: 262773

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	38.3
203	17.5	0.0	37.3

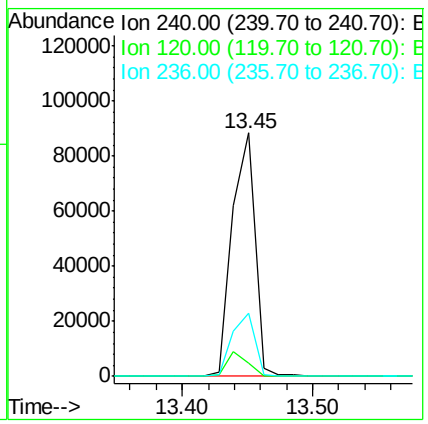




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.45 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:240 Resp: 107356

Ion	Ratio	Lower	Upper
240	100		
120	5.6	16.2	24.2#
236	25.7	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SB002DL

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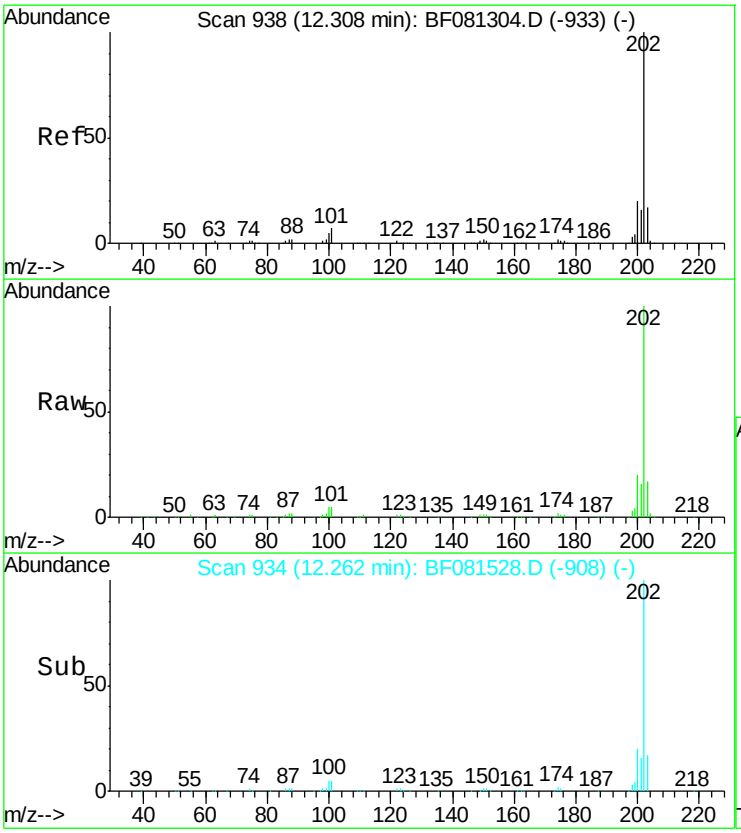
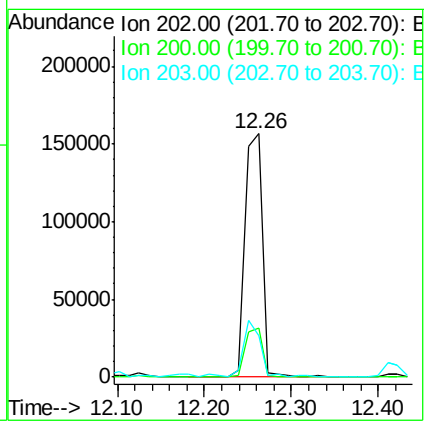
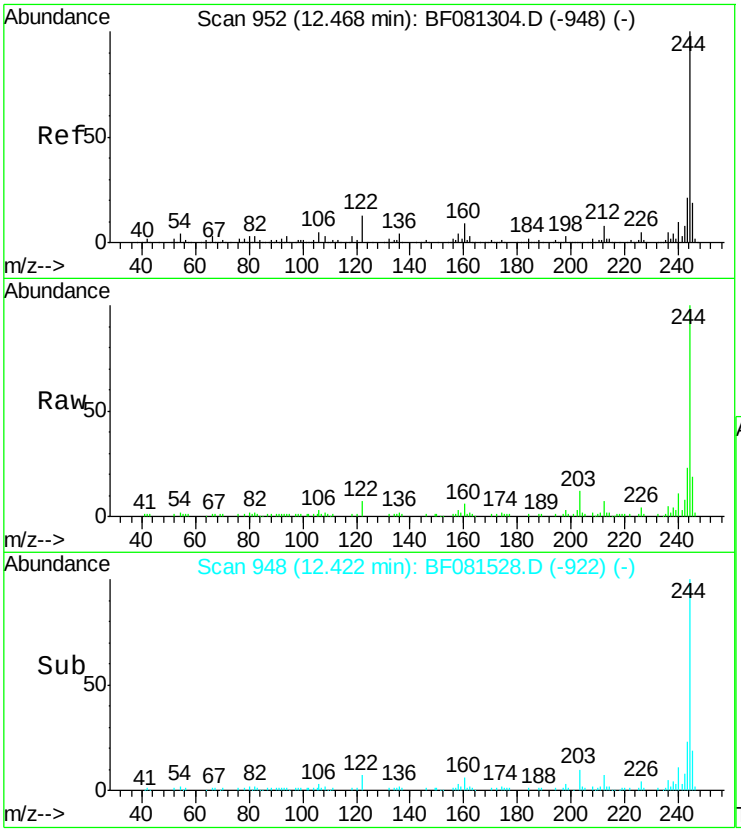


#77
Pyrene
Concen: 27.51 ng
RT: 12.26 min Scan# 934
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:202 Resp: 218807

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.0	22.4
203	16.9	14.1	21.1

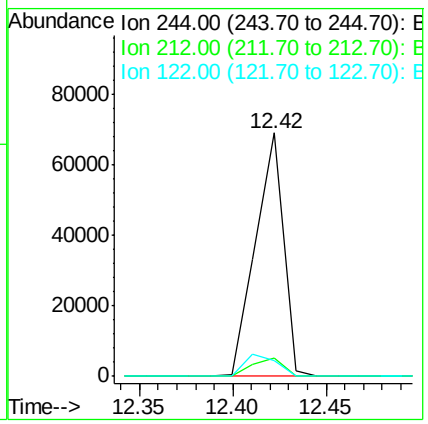




#78
Terphenyl-d14
Concen: 15.51 ng
RT: 12.42 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:244 Resp: 71537

Ion	Ratio	Lower	Upper
244	100		
212	7.3	4.3	6.5#
122	6.5	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
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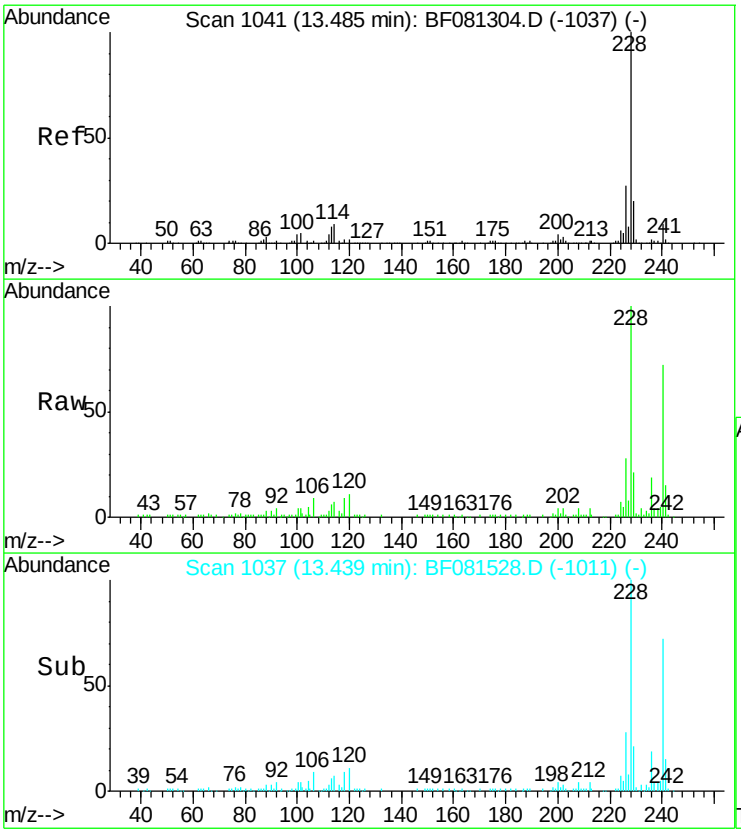
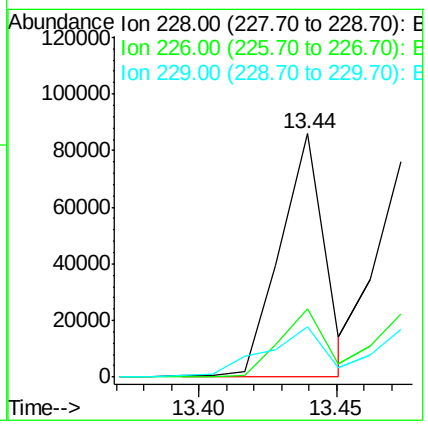
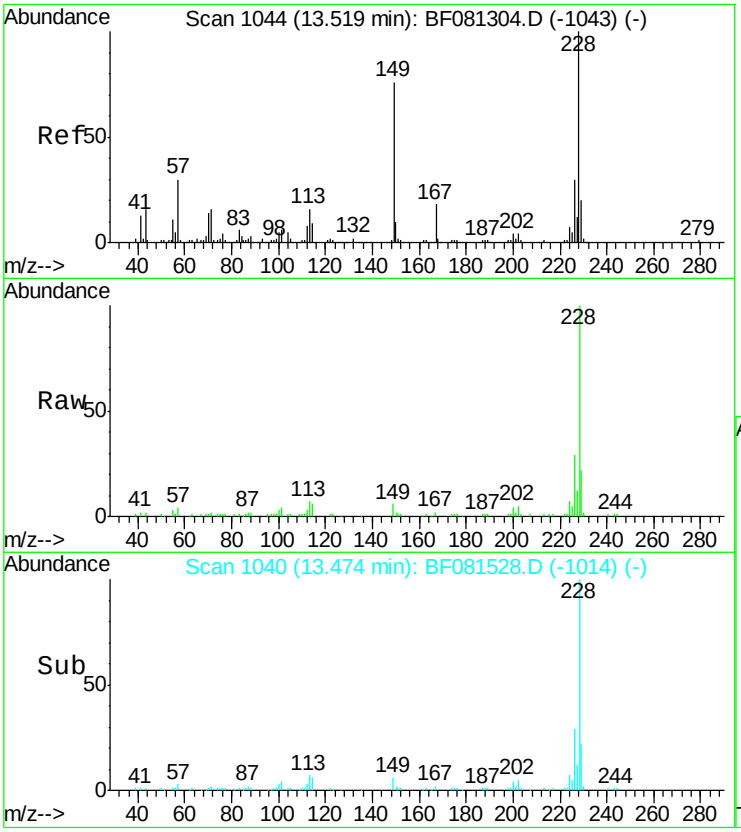


#80
Benzo(a)anthracene
Concen: 14.23 ng m
RT: 13.44 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:228 Resp: 97282

Ion	Ratio	Lower	Upper
228	100		
226	27.9	20.0	30.0
229	20.5	15.4	23.2

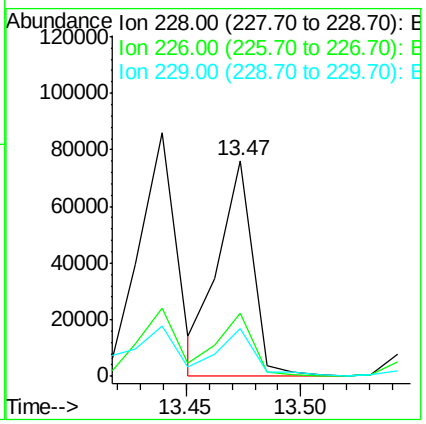




#82
Chrysene
Concen: 13.09 ng m
RT: 13.47 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:228 Resp: 80240

Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.0	31.4
229	21.9	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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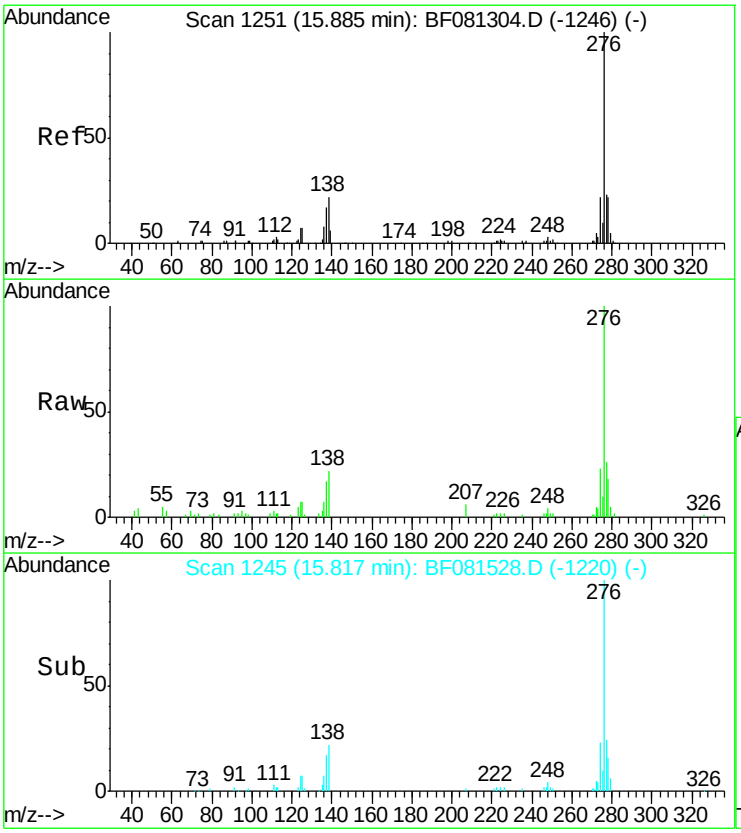
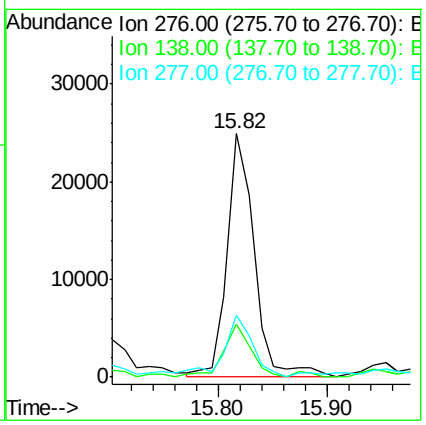
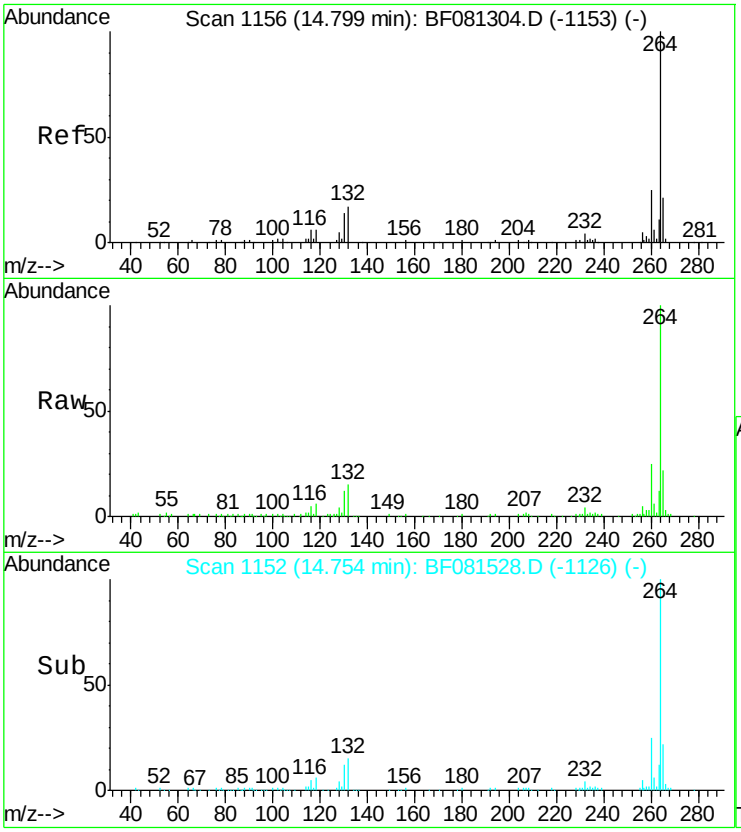


#85
Indeno(1,2,3-cd)pyrene
Concen: 9.57 ng
RT: 15.82 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:276 Resp: 43048

Ion	Ratio	Lower	Upper
276	100		
138	21.6	25.7	38.5#
277	28.7	15.6	23.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:264 Resp: 86517

Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	22.1	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
SB002DL

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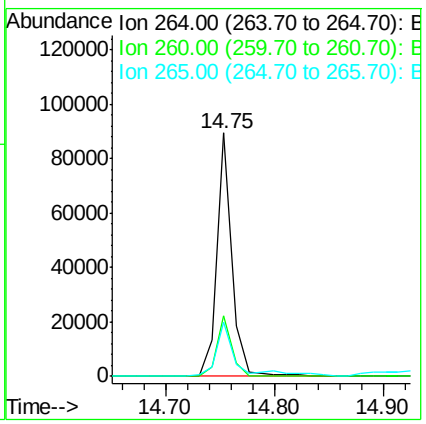
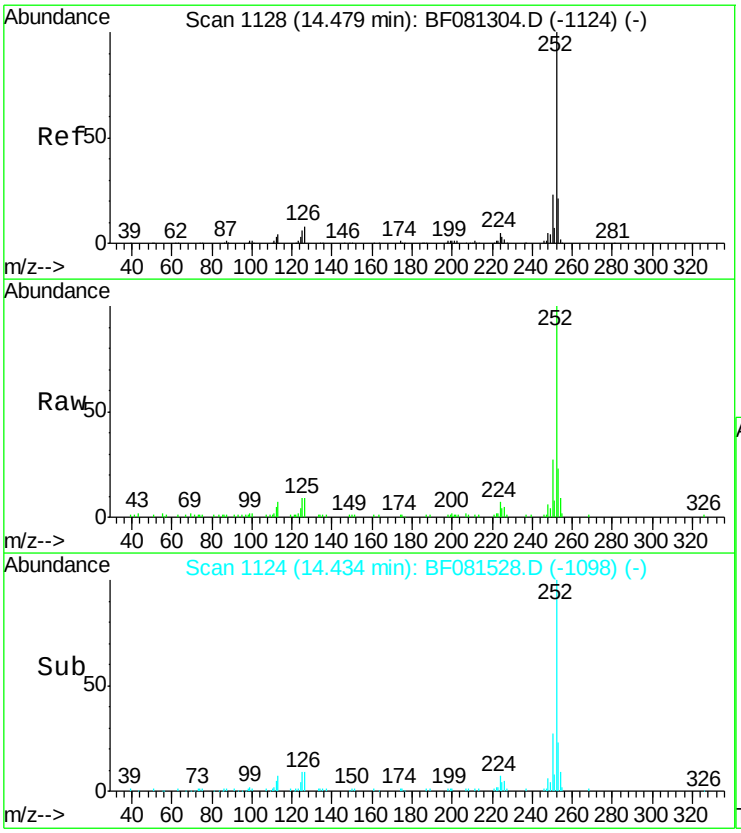
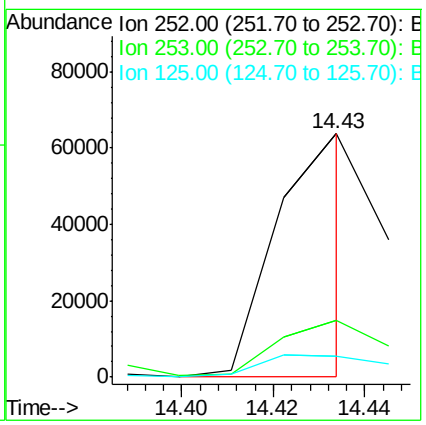


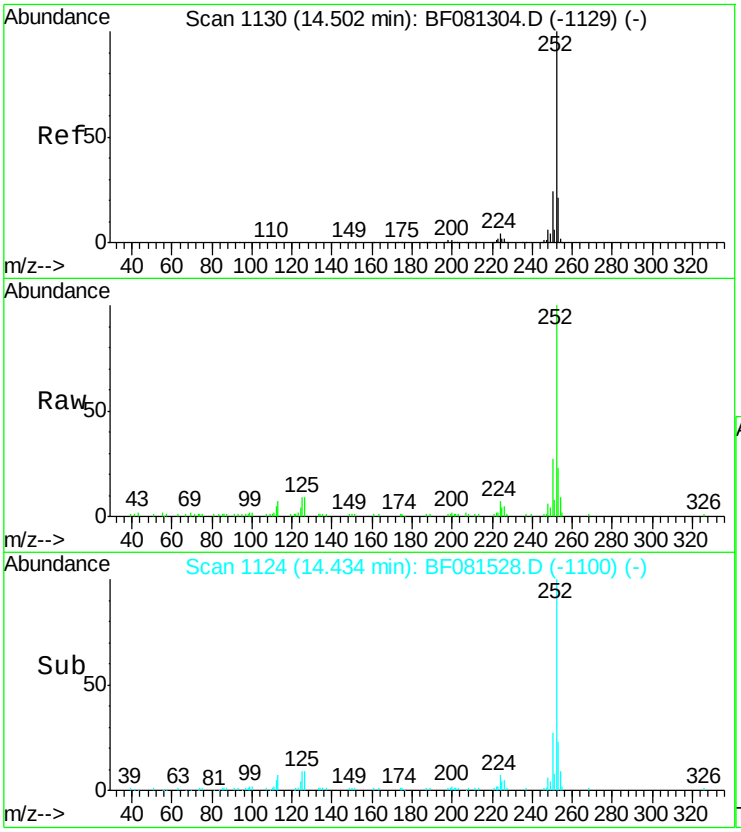


#87
Benzo(b)fluoranthene
Concen: 12.49 ng m
RT: 14.43 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:252 Resp: 77172

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	8.5	17.1	25.7#





#88
Benzo(k)fluoranthene
Concen: 7.73 ng m
RT: 14.43 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:252 Resp: 39593

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	8.5	16.0	24.0#

Instrument :
BNA_F
ClientSampleId :
SB002DL

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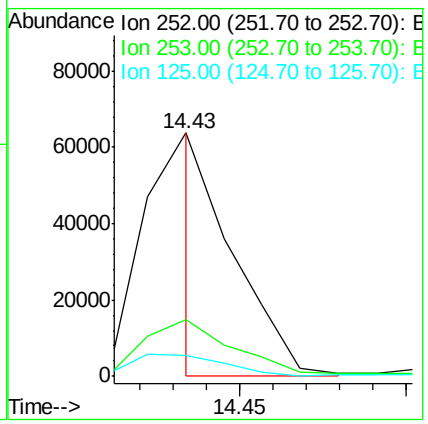
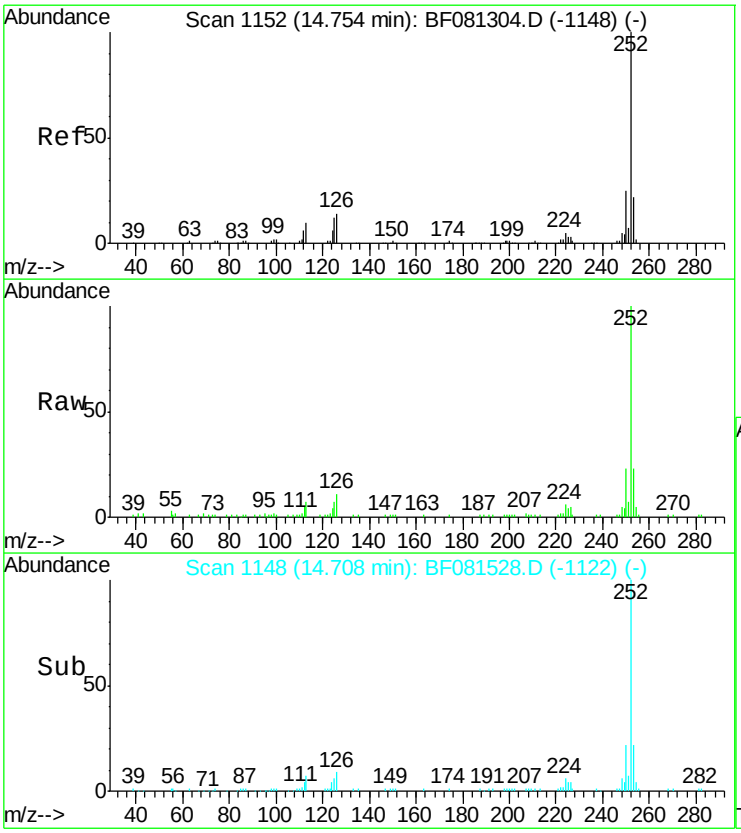
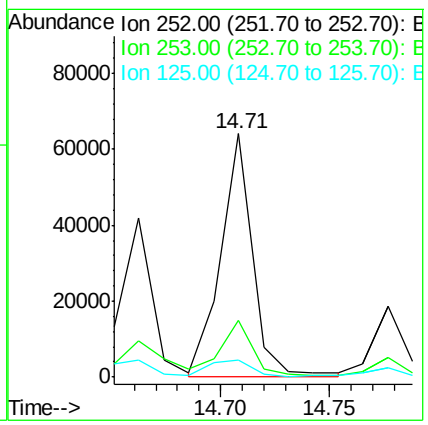


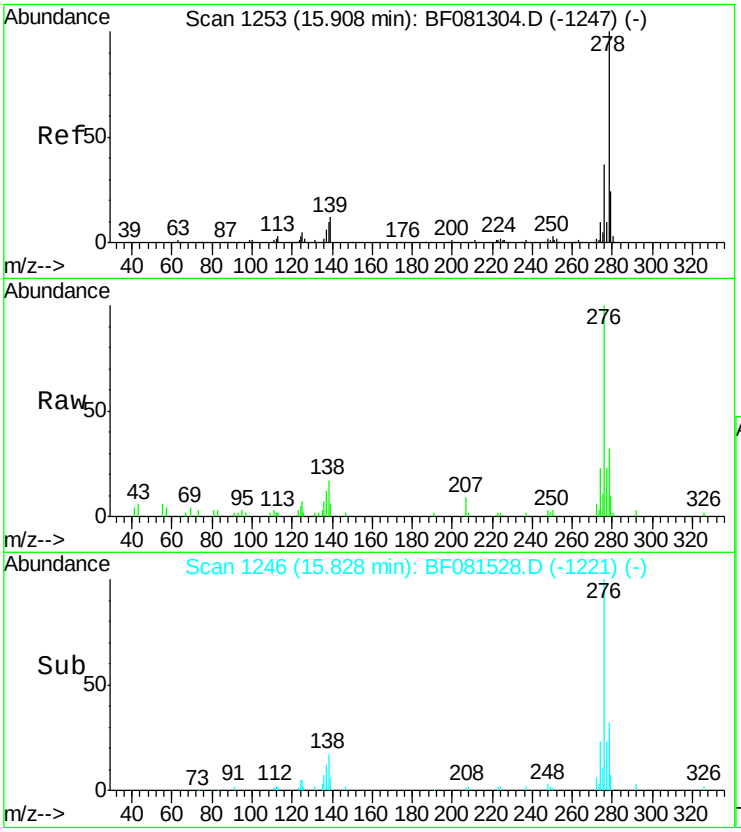


#89
Benzo(a)pyrene
Concen: 12.35 ng
RT: 14.71 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:252 Resp: 64619

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	7.0	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 3.61 ng
RT: 15.83 min Scan# 1246
Delta R.T. -0.01 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:278 Resp: 14582

Ion	Ratio	Lower	Upper
278	100		
139	19.5	26.3	39.5#
279	31.0	18.2	27.4#

Instrument :
BNA_F
ClientSampleId :
SB002DL

Manual Integrations APPROVED
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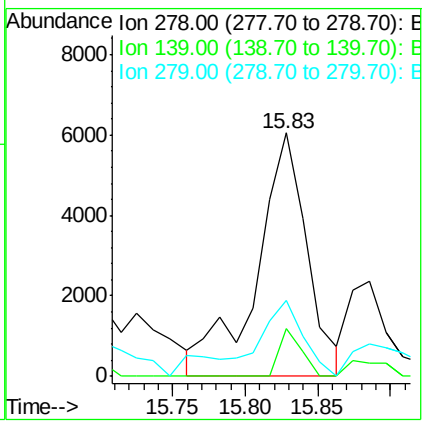

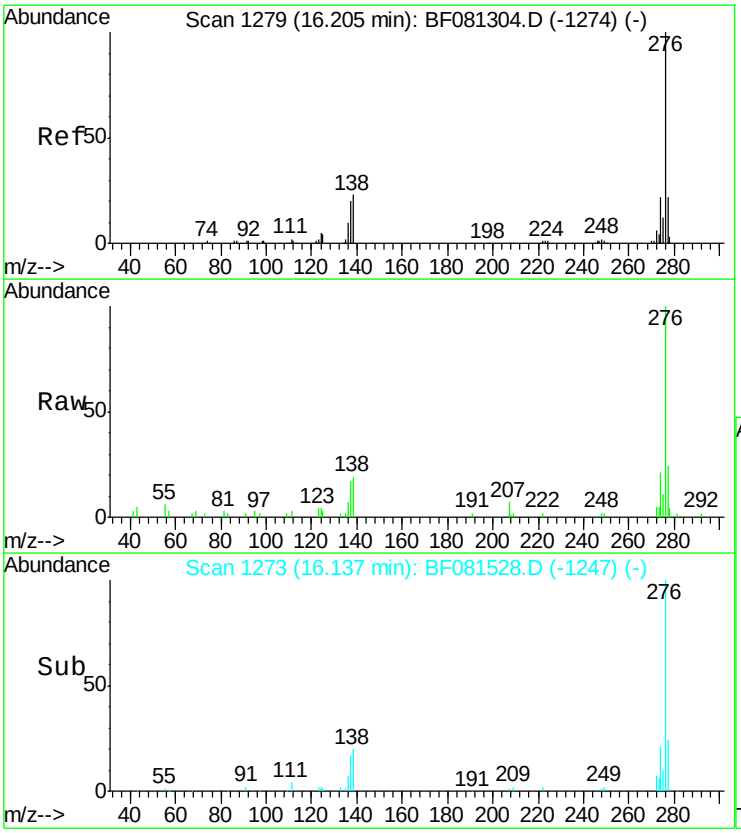

#91
Benzo(g,h,i)perylene
Concen: 10.31 ng
RT: 16.14 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF081528.D
Acq: 8 Sep 2015 18:15

Tgt Ion:276 Resp: 39789

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.8	26.6
138	19.2	34.6	51.8#