Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
Data File : BF081626.D
Acq On : 15 Sep 2015 12:59
Operator : UM/IZ
Sample : G3597-03DL 50X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-3(0-5)DL

Manual Integrations APPROVED
MMDadoda
9/16/2015 1:23:06 PM

Quant Time: Sep 15 14:12:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	50402	20.00	ng		-0.01
21) Naphthalene-d8	11.11	136	206711	20.00	ng		-0.01
38) Acenaphthene-d10	15.24	164	96987	20.00	ng		-0.02
63) Phenanthrene-d10	18.74	188	185719	20.00	ng		-0.01
75) Chrysene-d12	23.38	240	126077	20.00	ng		0.00
86) Perylene-d12	24.81	264	91370	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	3146	0.97	ng		0.06
7) Phenol-d6	7.66	99	5469	1.27	ng		0.01
23) Nitrobenzene-d5	9.51	82	3791	0.88	ng		-0.02
41) 2,4,6-Tribromophenol	17.14	330	976	1.13	ng		-0.02
44) 2-Fluorobiphenyl	13.75	172	8946	1.18	ng		-0.02
78) Terphenyl-d14	22.09	244	7546	1.39	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	11.15	128	50922	4.62	ng		99
37) 2-Methylnaphthalene	12.81	142	19857	2.77	ng	#	92
51) Acenaphthene	15.32	154	23560	3.62	ng	#	80
54) Dibenzofuran	15.74	168	32213	3.39	ng	#	83
57) Fluorene	16.55	166	40192	5.58	ng		94
70) Phenanthrene	18.81	178	455705	44.14	ng		97
71) Anthracene	18.93	178	109337	10.31	ng		98
72) Carbazole	19.40	167	27750	2.79	ng	#	94
74) Fluoranthene	21.43	202	396543	35.48	ng		88
77) Pyrene	21.77	202	350876	37.57	ng		96
80) Benzo(a)anthracene	23.37	228	134860	16.80	ng		96
82) Chrysene	23.41	228	119063	16.54	ng		94
85) Indeno(1,2,3-cd)pyrene	25.86	276	45711	8.66	ng	#	83
87) Benzo(b)fluoranthene	24.47	252	88685m	13.60	ng		
88) Benzo(k)fluoranthene	24.48	252	41347m	7.64	ng		
89) Benzo(a)pyrene	24.77	252	75458	13.65	ng	#	82
90) Dibenzo(a,h)anthracene	25.86	278	10162	2.38	ng	#	75
91) Benzo(g,h,i)perylene	26.16	276	40154	9.85	ng	#	72

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

Quantitation Report (QT Reviewed)

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BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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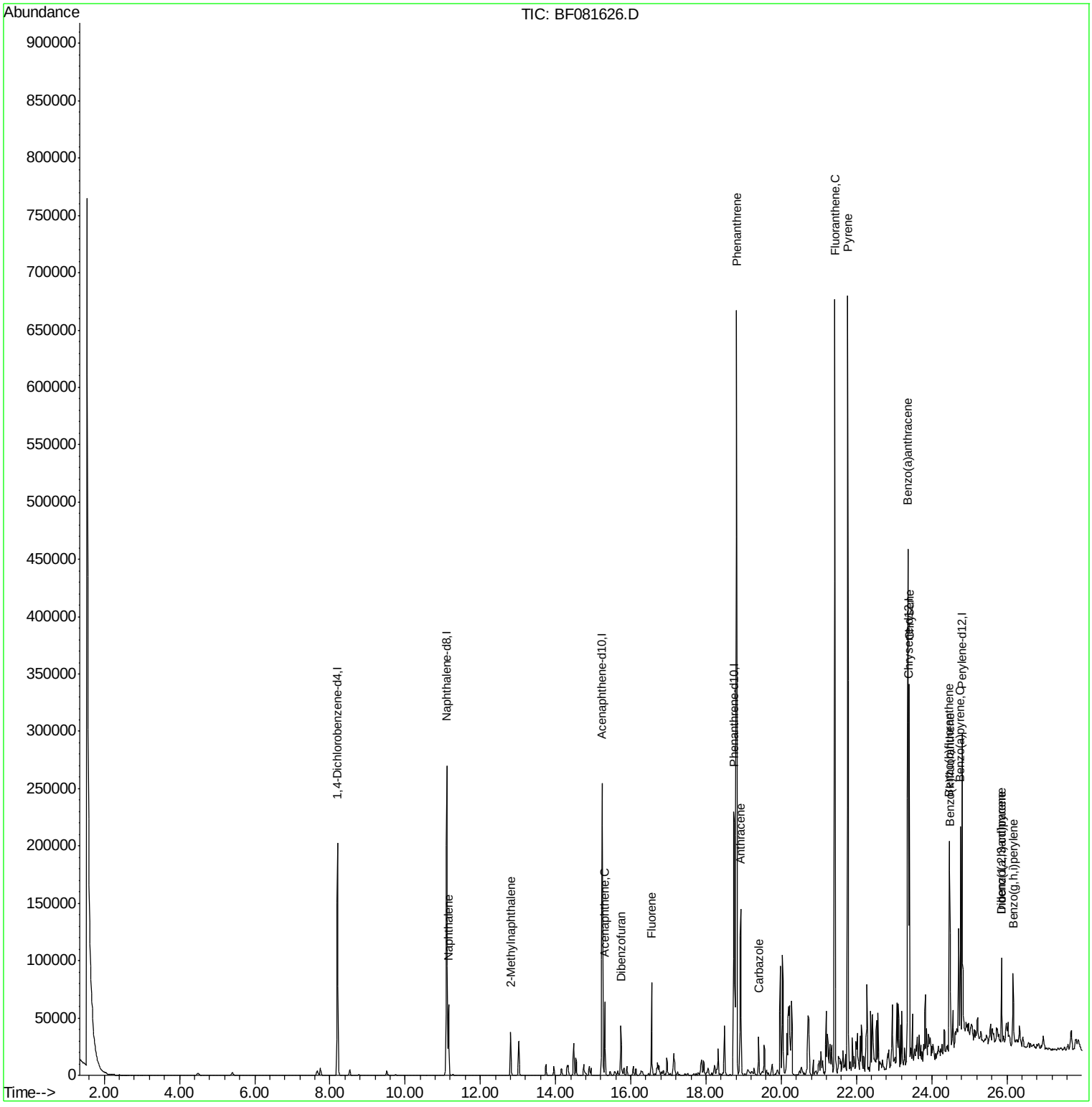
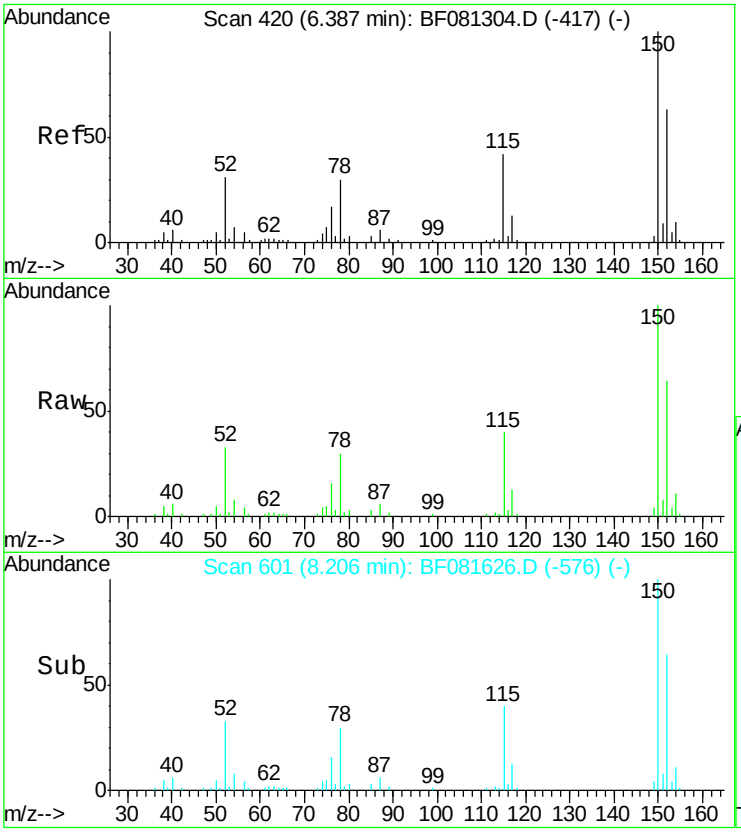
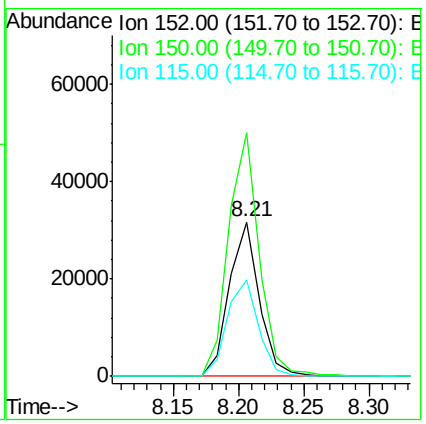




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:152 Resp: 50402

Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.7	187.1
115	62.7	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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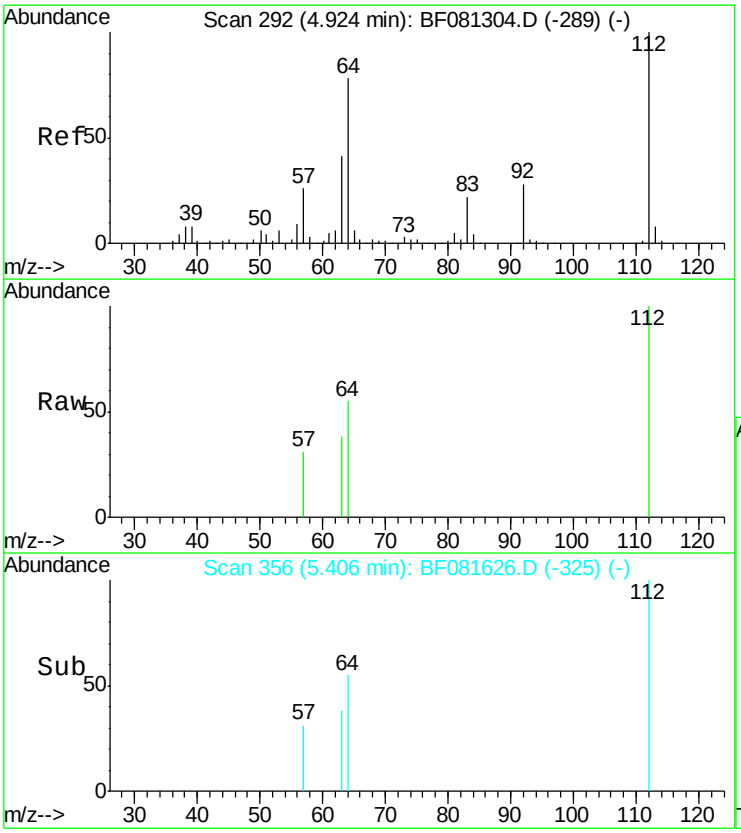
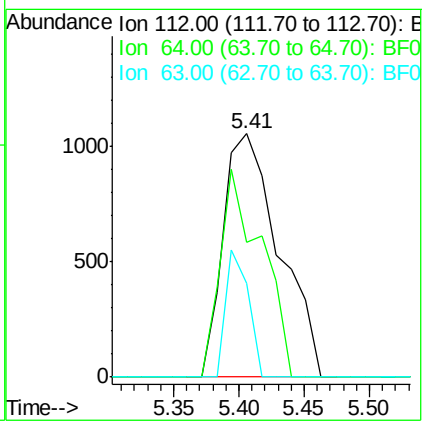
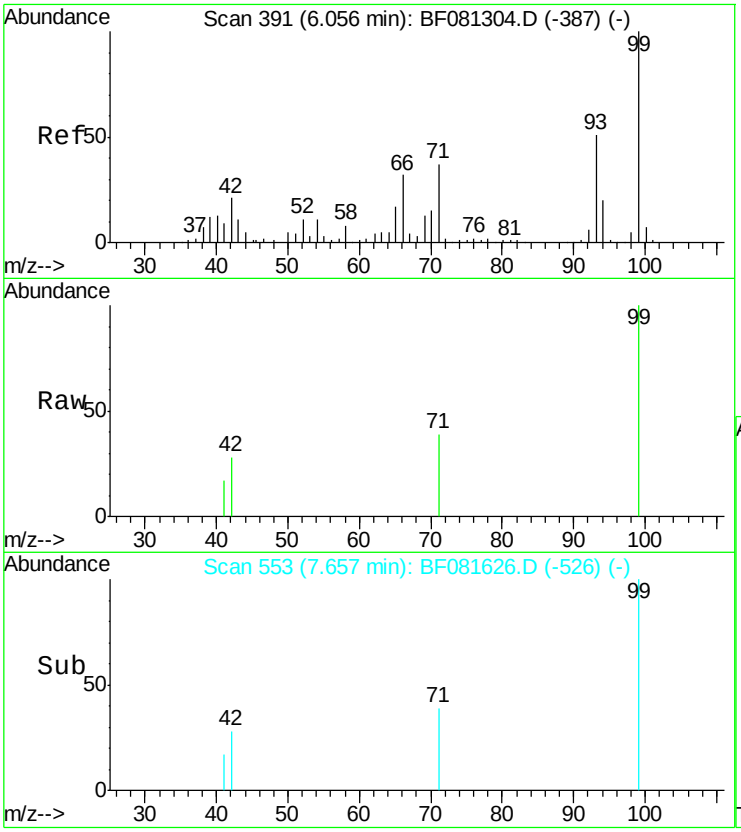


#5
2-Fluorophenol
Concen: 0.97 ng
RT: 5.41 min Scan# 356
Delta R.T. 0.06 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:112 Resp: 3146

Ion	Ratio	Lower	Upper
112	100		
64	55.3	39.7	59.5
63	38.4	17.4	26.0#





#7
Phenol-d6
Concen: 1.27 ng
RT: 7.66 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion: 99 Resp: 5469

Ion	Ratio	Lower	Upper
99	100		
42	28.1	13.7	20.5#
71	39.0	14.2	21.2#

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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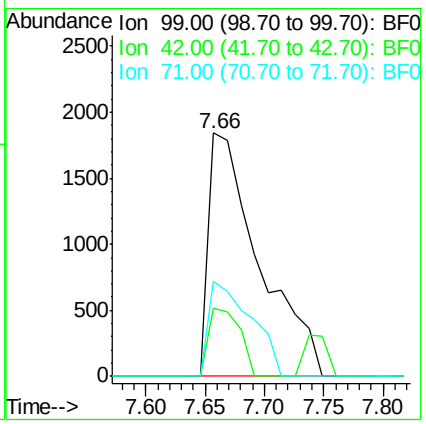
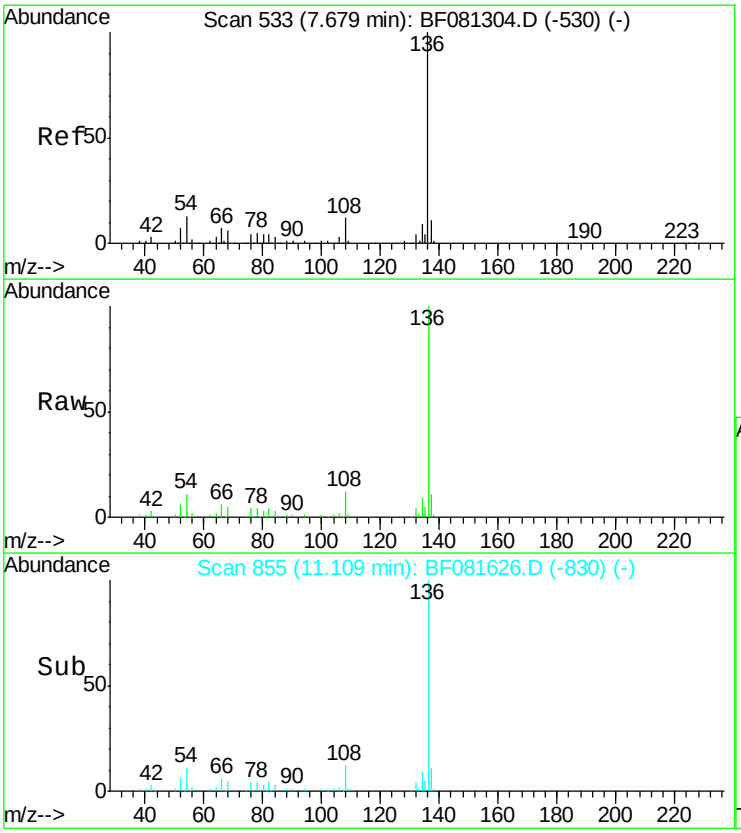
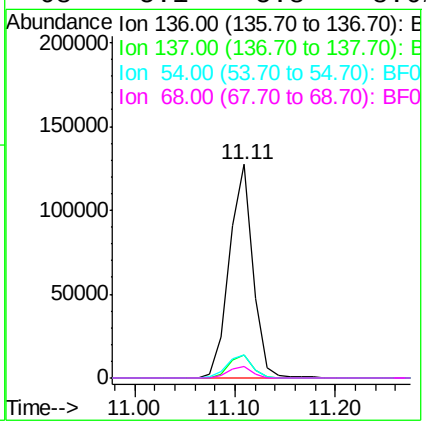


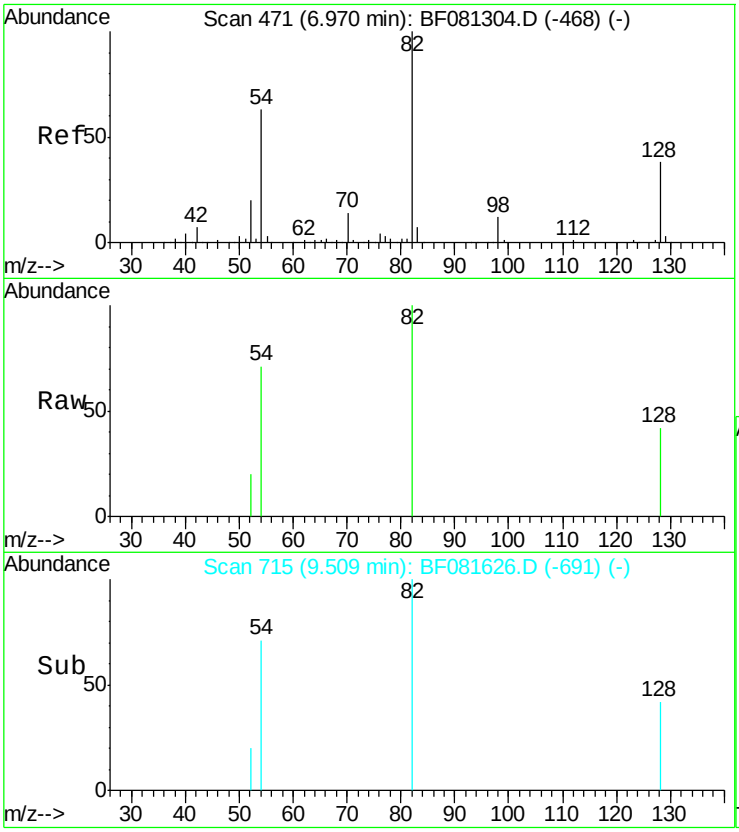


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:136 Resp: 206711

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	10.9	8.2	12.2
68	5.1	5.8	8.6#

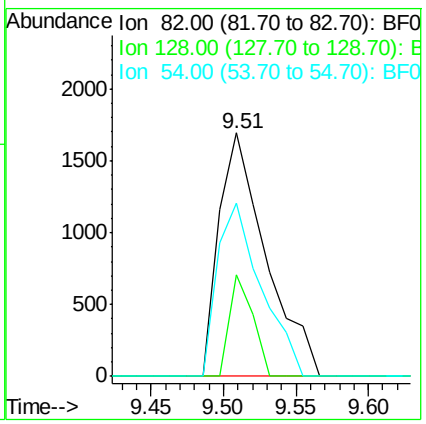




#23
Nitrobenzene-d5
Concen: 0.88 ng
RT: 9.51 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion: 82 Resp: 3791

Ion	Ratio	Lower	Upper
82	100		
128	41.9	51.0	76.6#
54	71.0	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

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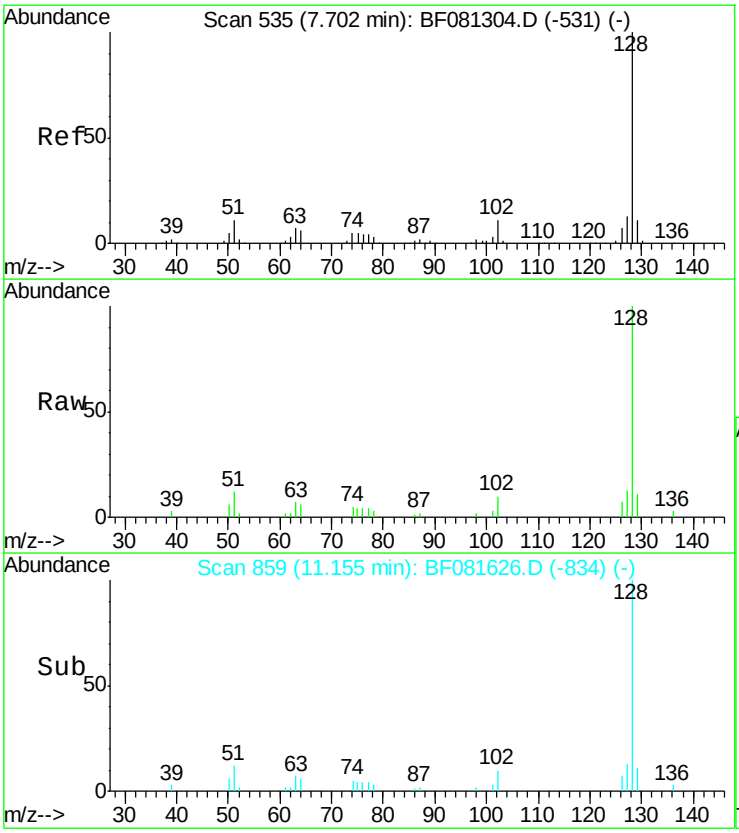
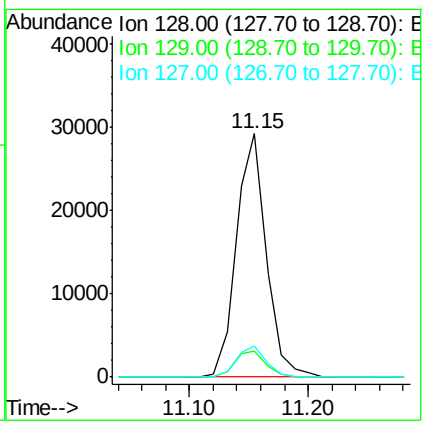
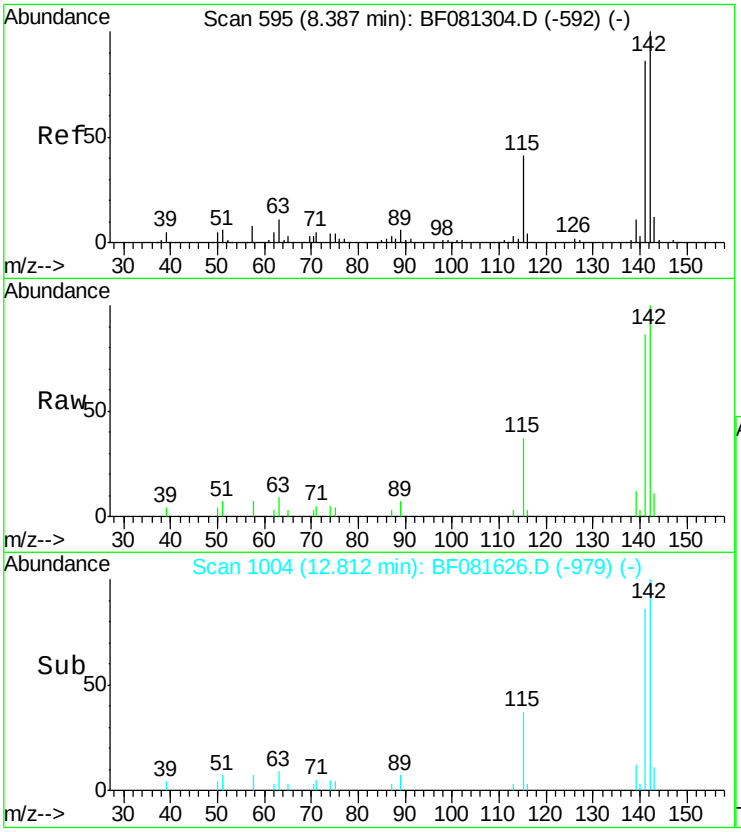


#31
Naphthalene
Concen: 4.62 ng
RT: 11.15 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:128 Resp: 50922

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.4	12.6
127	12.8	9.9	14.9

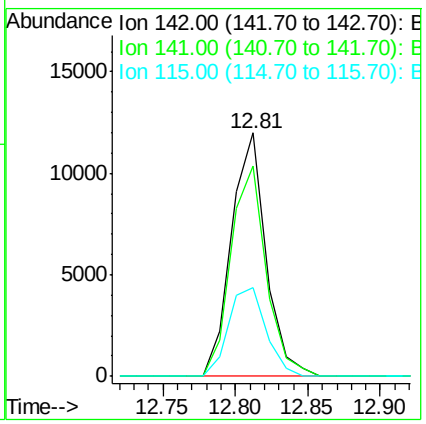




#37
2-Methylnaphthalene
Concen: 2.77 ng
RT: 12.81 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:142 Resp: 19857

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.5	101.3
115	36.7	18.2	27.2#



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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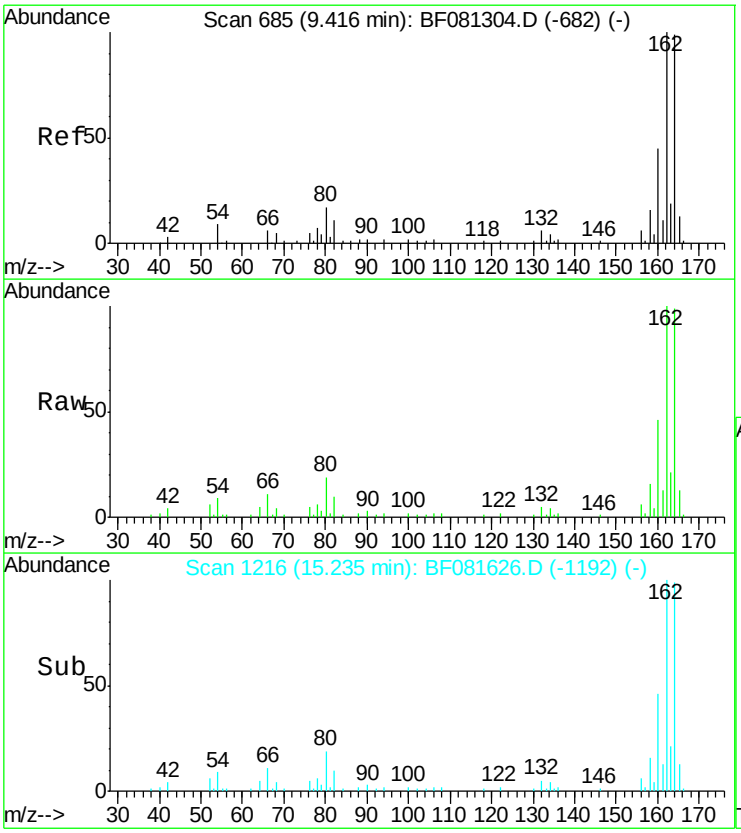
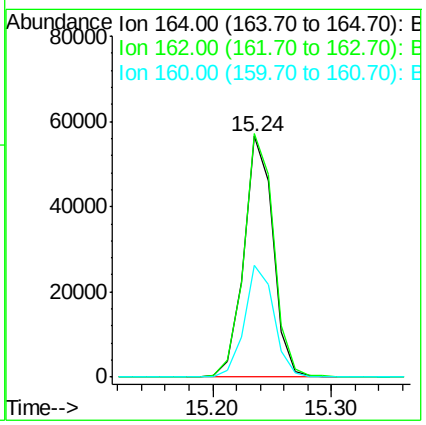
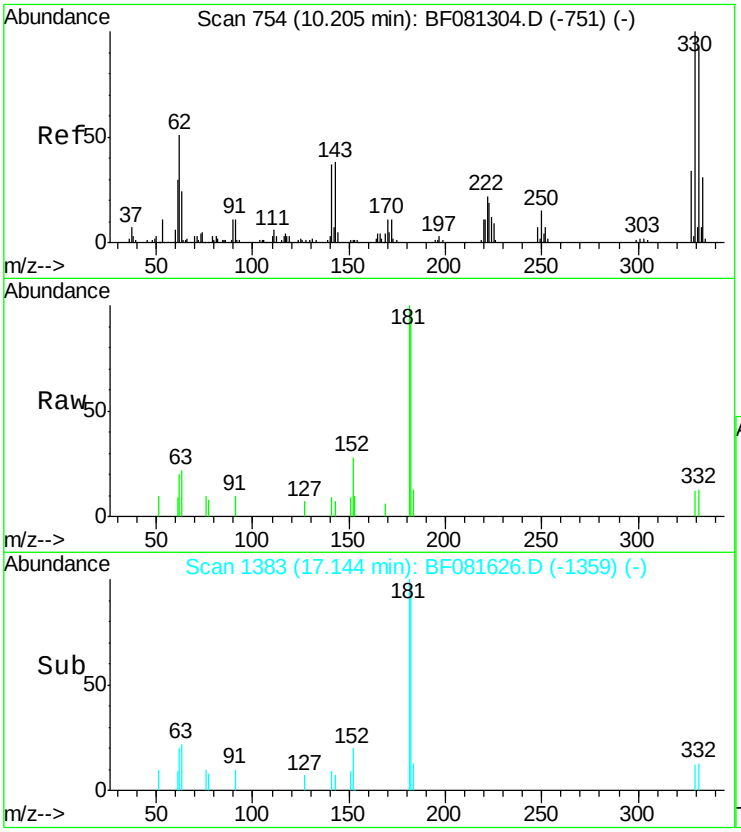


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.24 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:164 Resp: 96987

Ion	Ratio	Lower	Upper
164	100		
162	101.0	75.2	112.8
160	46.2	31.5	47.3





#41
2,4,6-Tribromophenol
Concen: 1.13 ng
RT: 17.14 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:330 Resp: 976

Ion	Ratio	Lower	Upper
330	100		
332	75.9	76.6	114.8#
141	29.6	29.7	44.5#

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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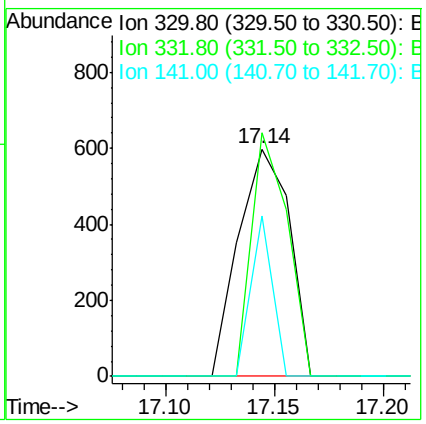
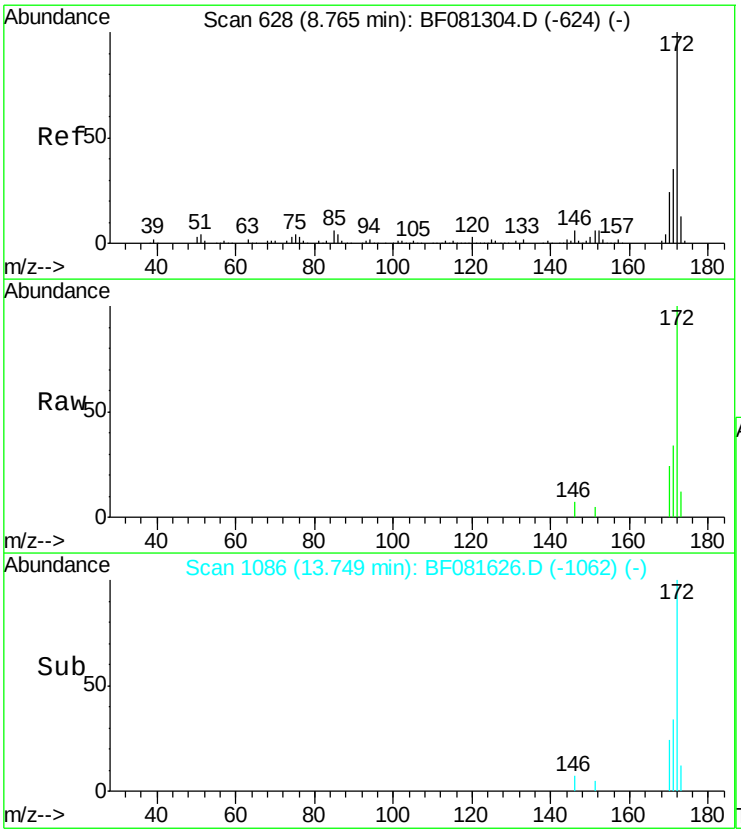
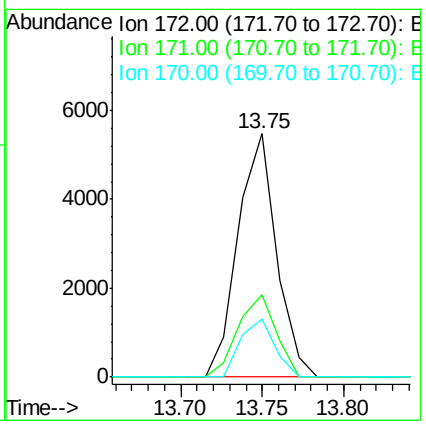


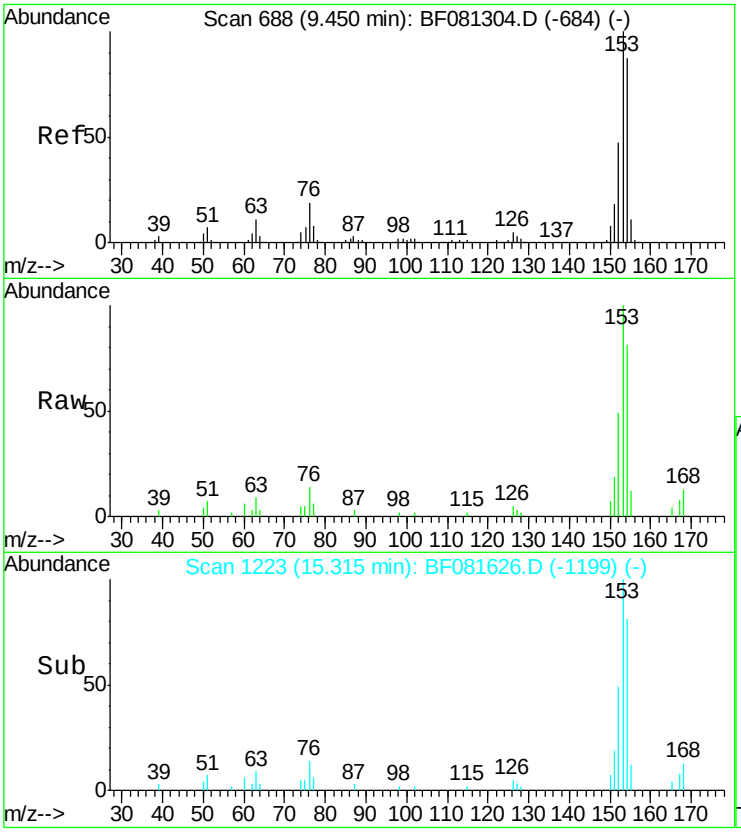


#44
2-Fluorobiphenyl
Concen: 1.18 ng
RT: 13.75 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:172 Resp: 8946

Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.1	39.1
170	24.0	17.4	26.2





#51
Acenaphthene
Concen: 3.62 ng
RT: 15.32 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:154 Resp: 23560

Ion	Ratio	Lower	Upper
154	100		
153	123.3	82.1	123.1#
152	60.4	37.9	56.9#

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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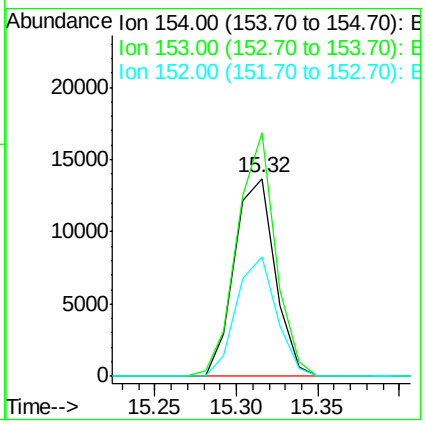
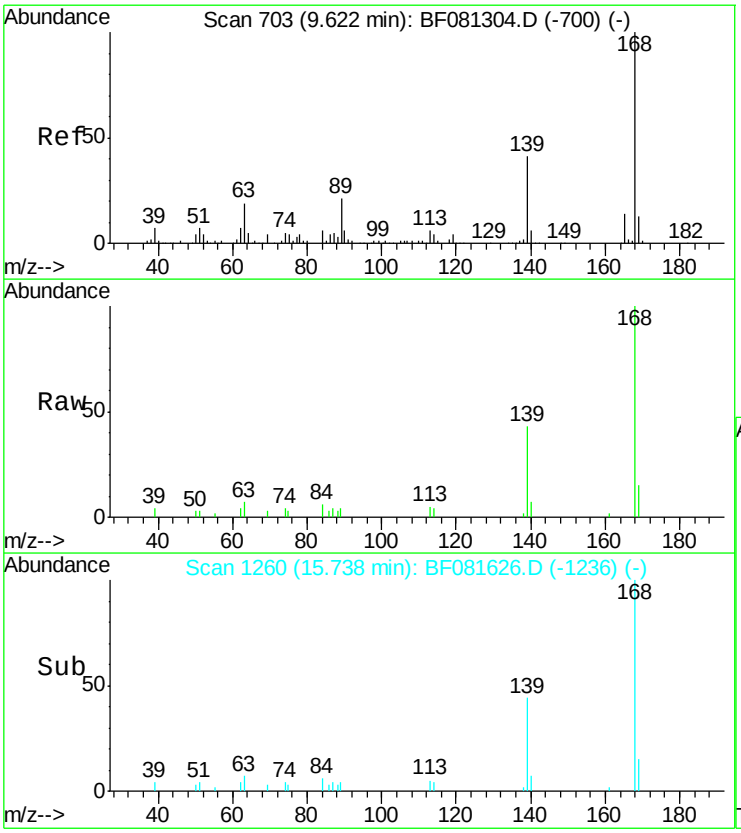
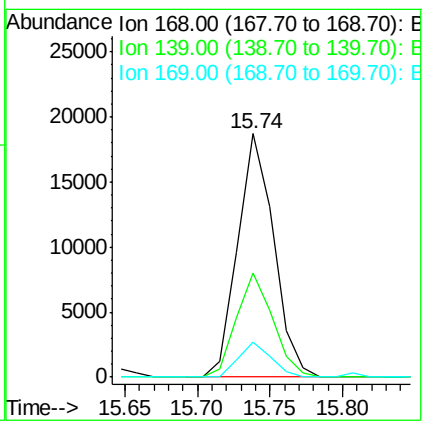


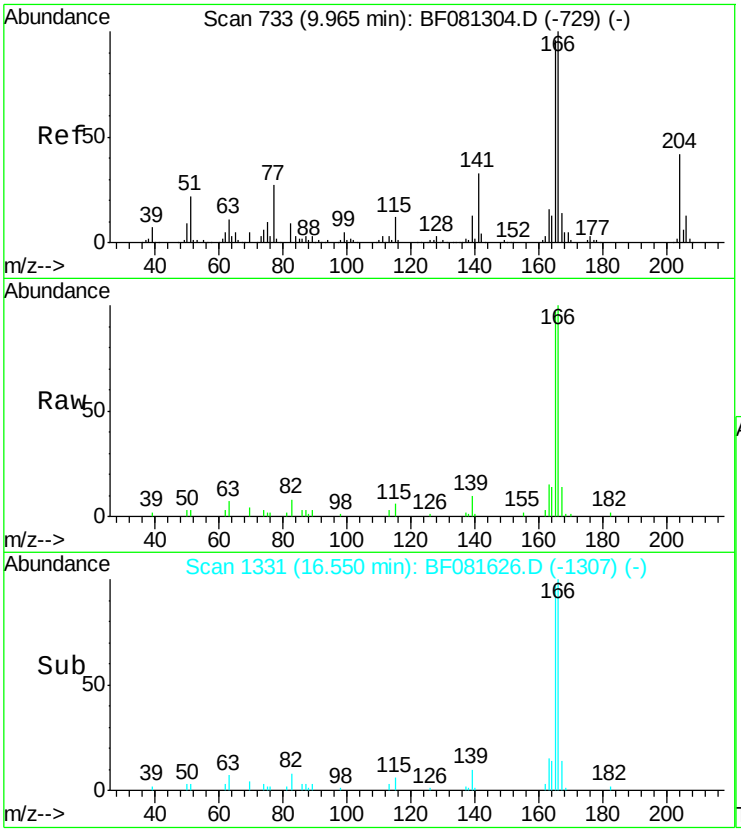


#54
Dibenzofuran
Concen: 3.39 ng
RT: 15.74 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:168 Resp: 32213

Ion	Ratio	Lower	Upper
168	100		
139	42.7	24.2	36.2#
169	14.5	10.6	15.8

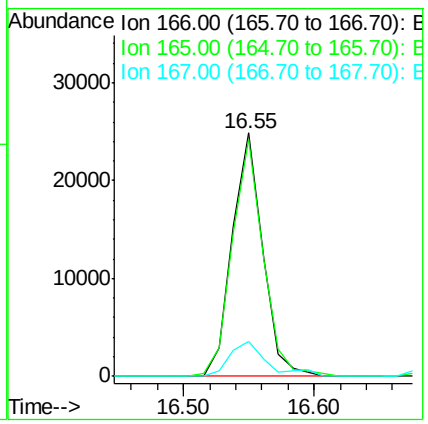




#57
Fluorene
Concen: 5.58 ng
RT: 16.55 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:166 Resp: 40192

Ion	Ratio	Lower	Upper
166	100		
165	97.3	72.6	109.0
167	14.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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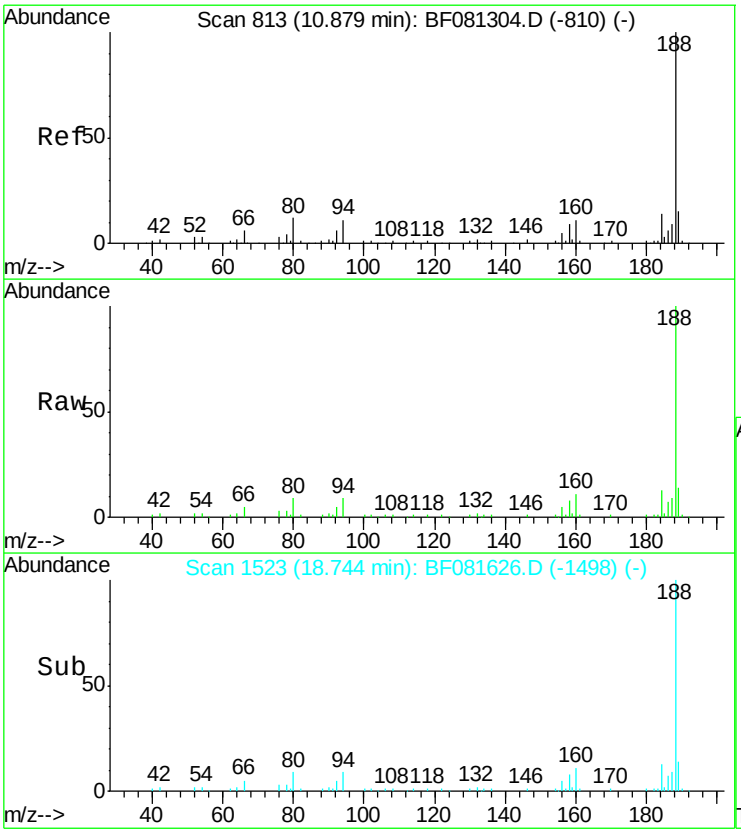
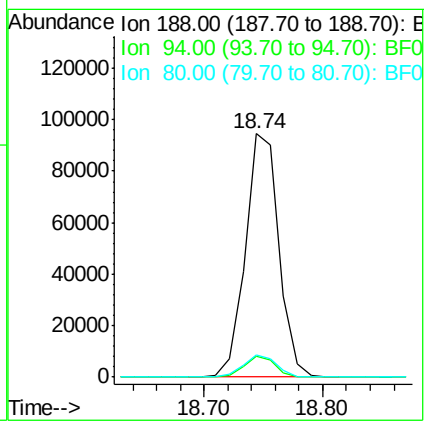
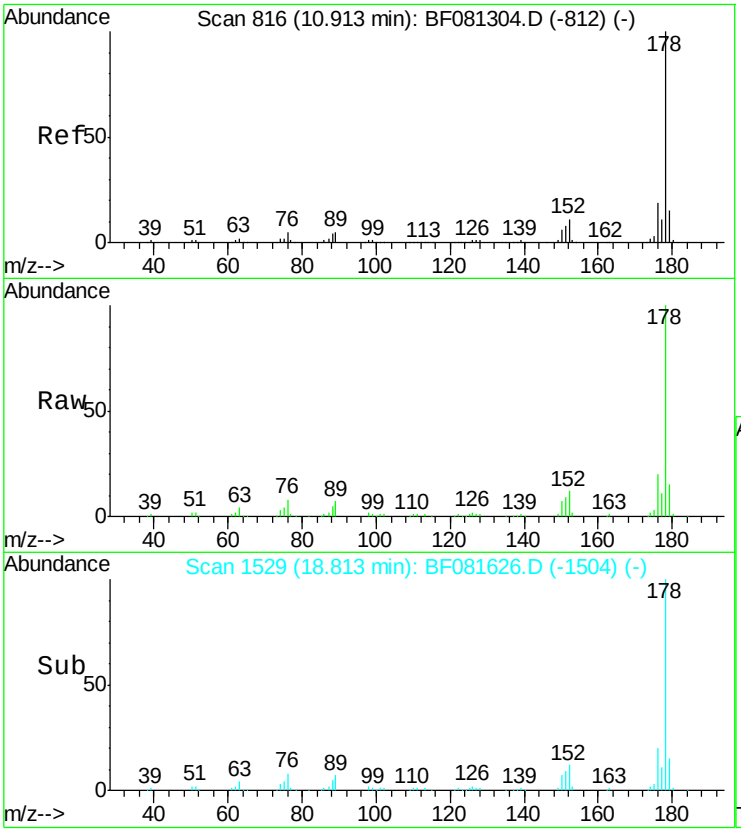


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.74 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:188 Resp: 185719

Ion	Ratio	Lower	Upper
188	100		
94	8.8	11.1	16.7#
80	9.0	11.0	16.4#

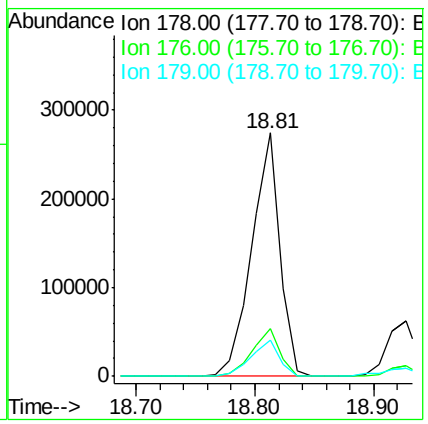




#70
Phenanthrene
Concen: 44.14 ng
RT: 18.81 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:178 Resp: 455705

Ion	Ratio	Lower	Upper
178	100		
176	19.7	13.8	20.8
179	15.0	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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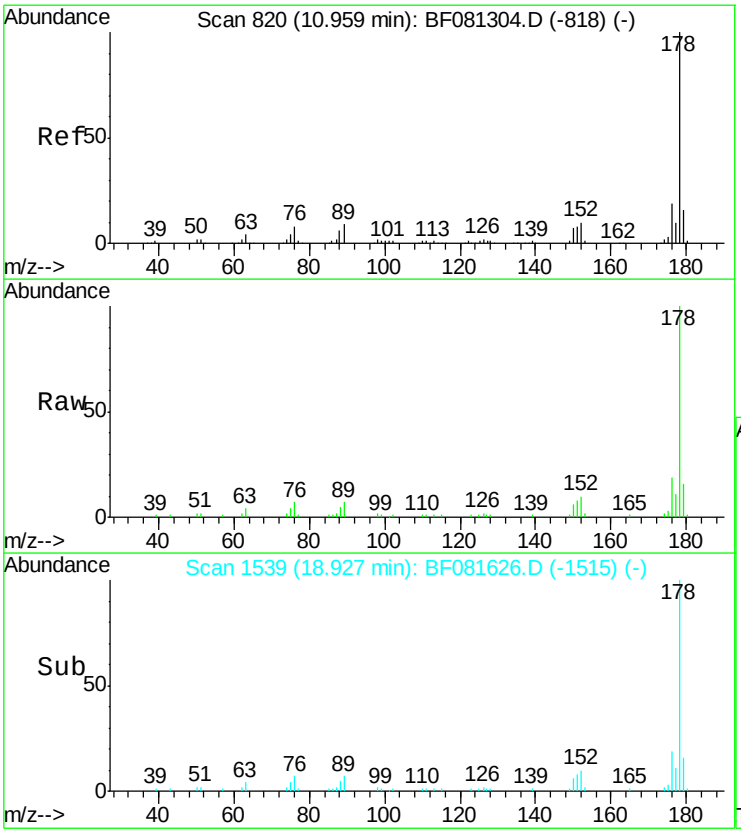
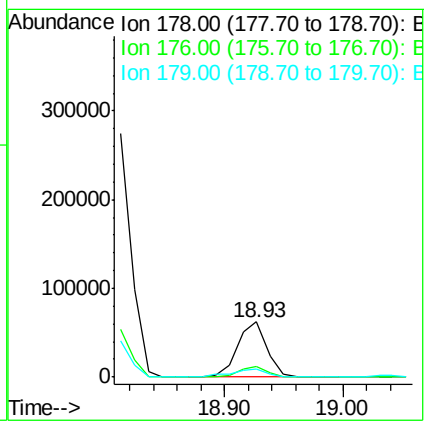
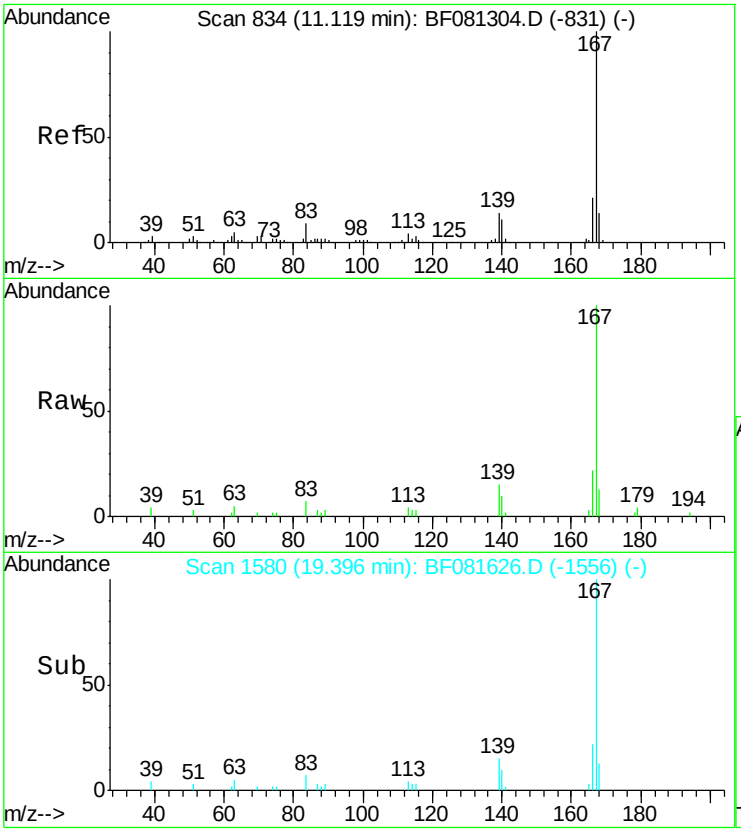


#71
Anthracene
Concen: 10.31 ng
RT: 18.93 min Scan# 1539
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:178 Resp: 109337

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.1	21.1
179	15.5	12.2	18.2





#72
Carbazole
Concen: 2.79 ng
RT: 19.40 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:167 Resp: 27750

Ion	Ratio	Lower	Upper
167	100		
166	21.9	15.7	23.5
139	14.5	9.5	14.3#

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

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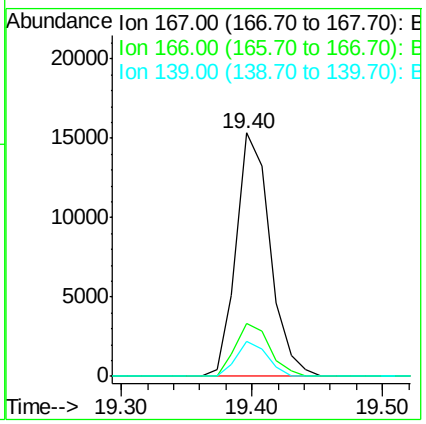
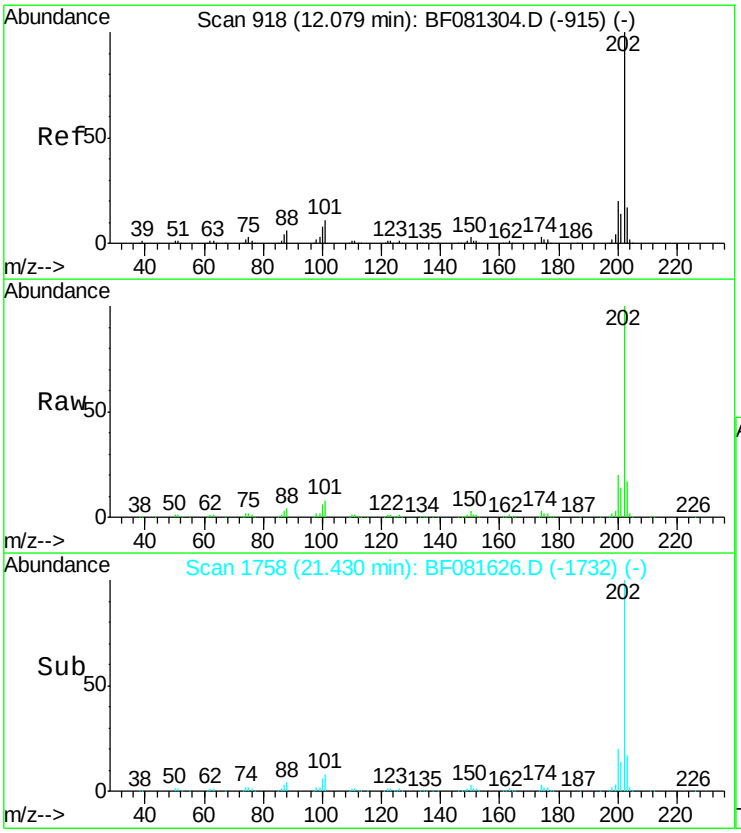
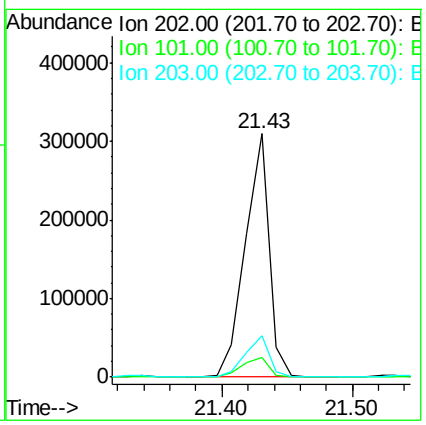


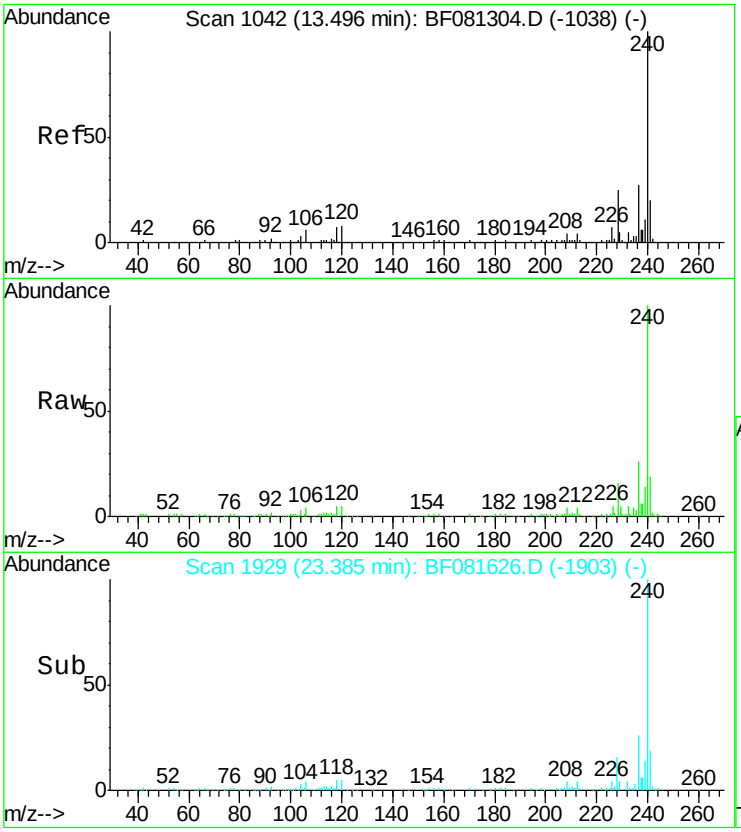


#74
Fluoranthene
Concen: 35.48 ng
RT: 21.43 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:202 Resp: 396543

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	38.3
203	17.2	0.0	37.3





#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.38 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:240 Resp: 126077

Ion	Ratio	Lower	Upper
240	100		
120	5.4	16.2	24.2#
236	25.9	18.4	27.6

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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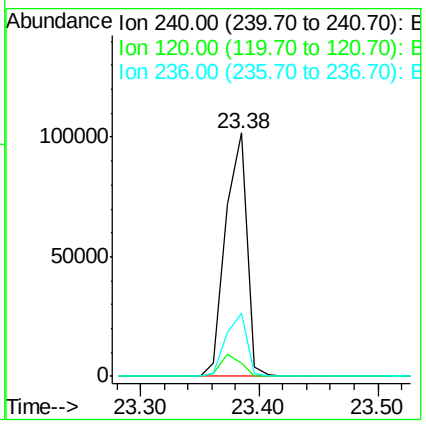
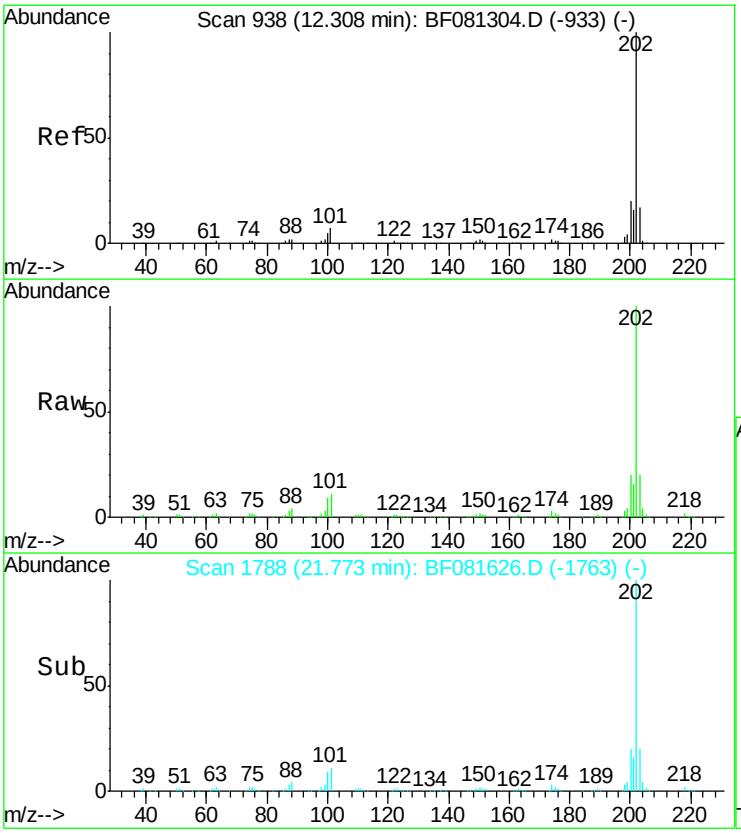
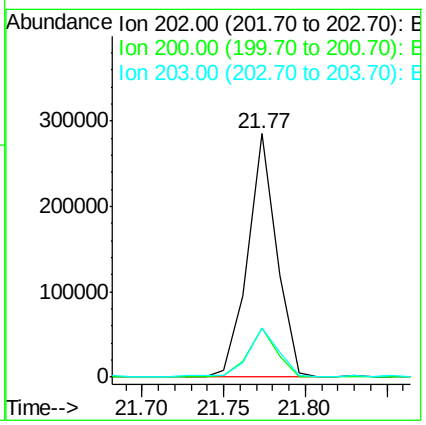


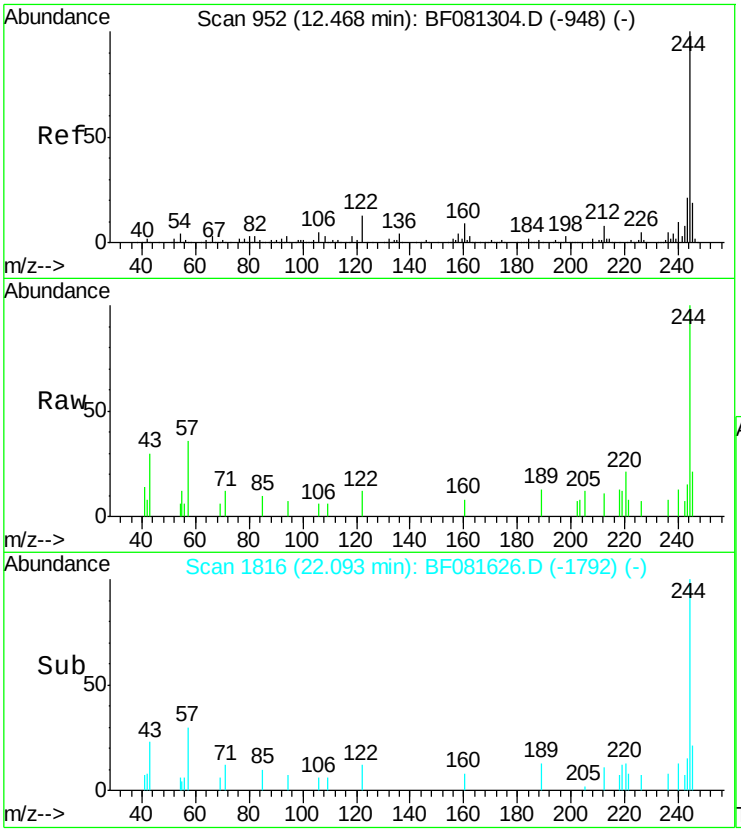


#77
Pyrene
Concen: 37.57 ng
RT: 21.77 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:202 Resp: 350876

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.0	22.4
203	20.1	14.1	21.1

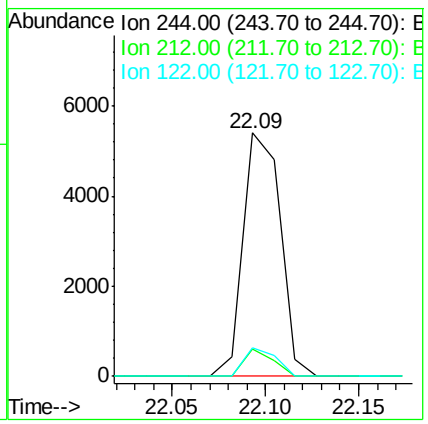




#78
Terphenyl-d14
Concen: 1.39 ng
RT: 22.09 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:244 Resp: 7546

Ion	Ratio	Lower	Upper
244	100		
212	11.0	4.3	6.5#
122	12.0	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

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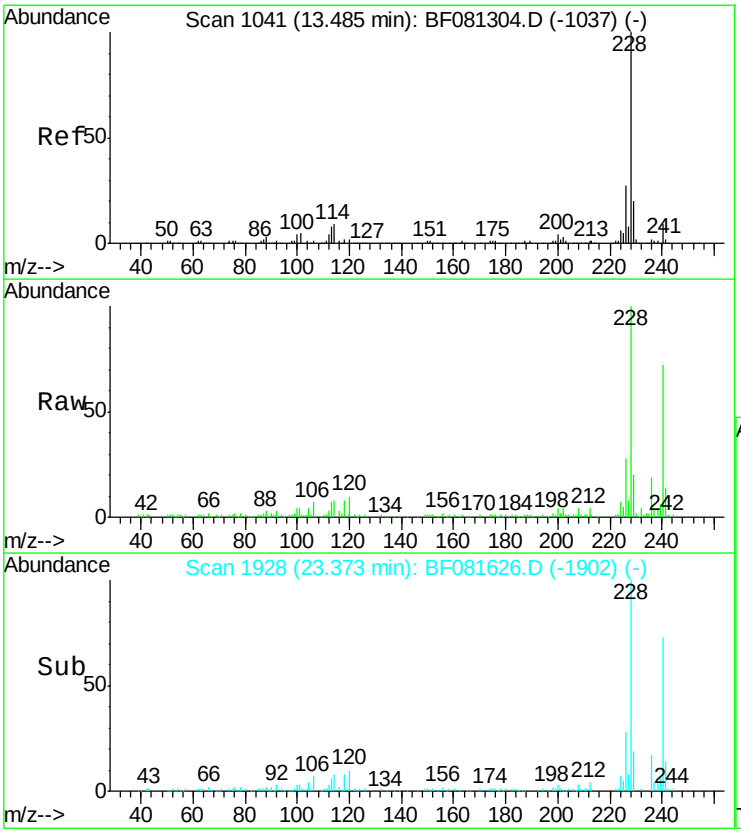
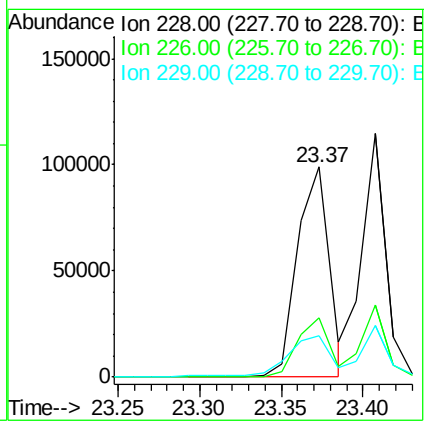
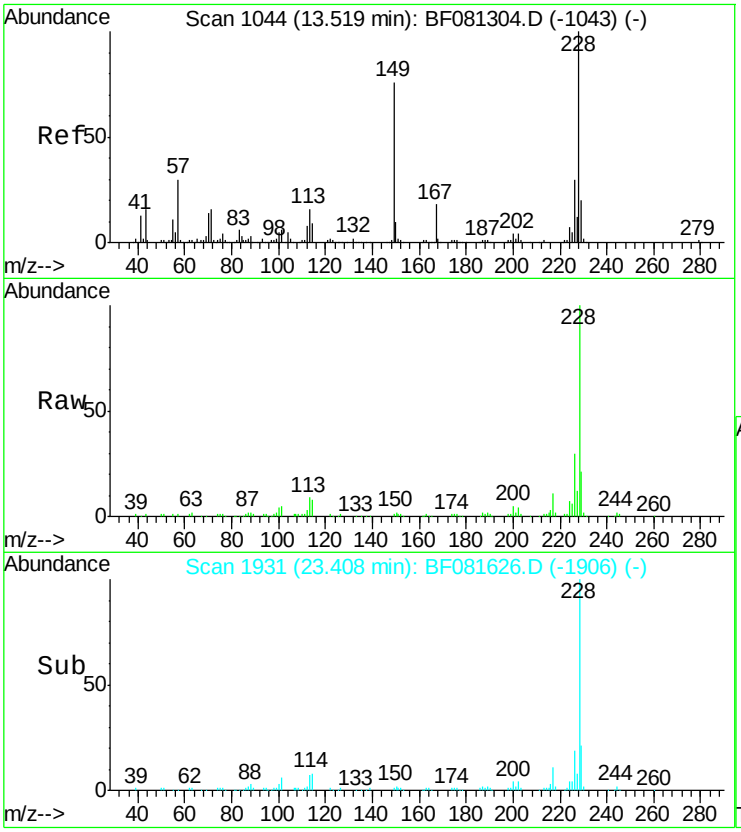


#80
Benzo(a)anthracene
Concen: 16.80 ng
RT: 23.37 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:228 Resp: 134860

Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.0	30.0
229	19.7	15.4	23.2

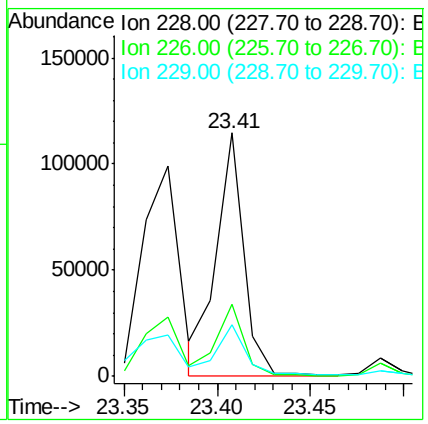




#82
Chrysene
Concen: 16.54 ng
RT: 23.41 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:228 Resp: 119063

Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.0	31.4
229	21.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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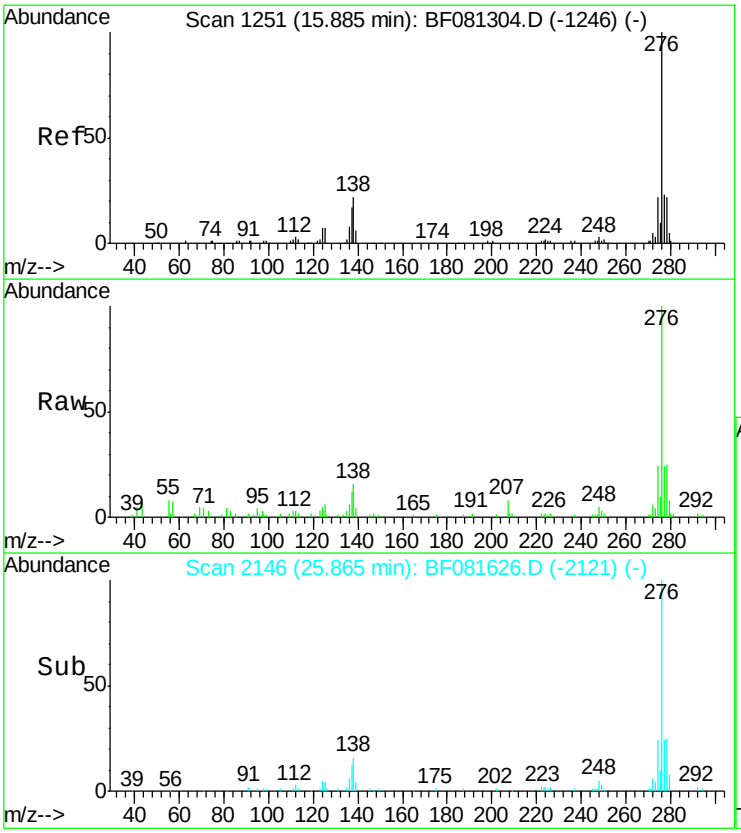
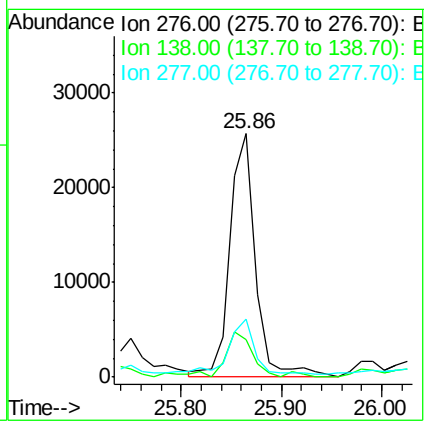
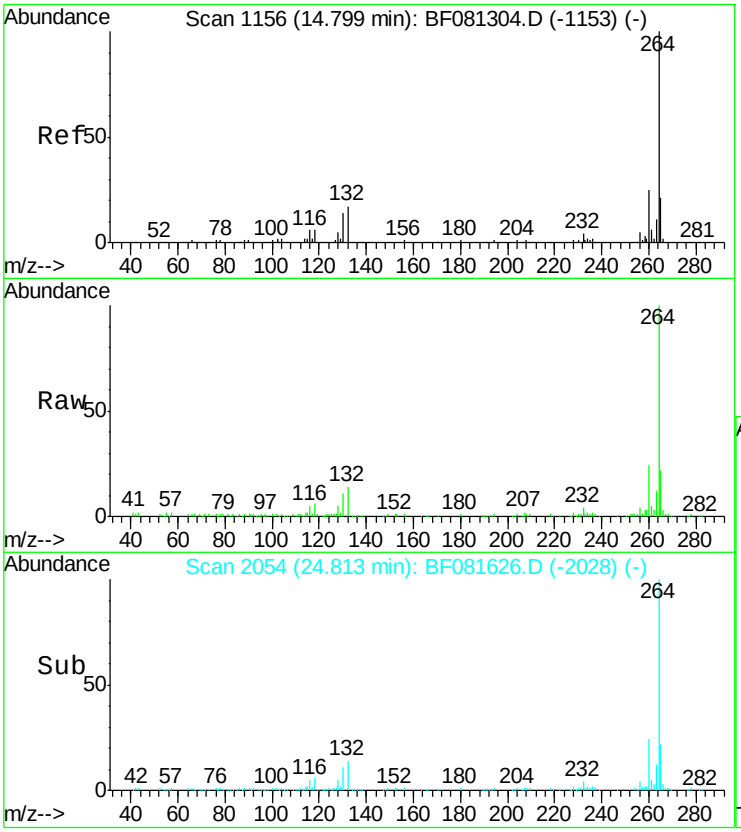


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.66 ng
RT: 25.86 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:276 Resp: 45711

Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.7	38.5#
277	22.7	15.6	23.4





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.81 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:264 Resp: 91370

Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	21.5	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

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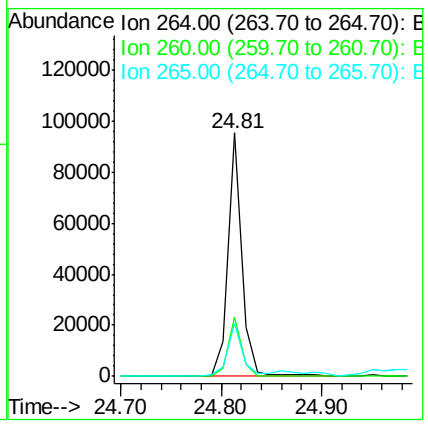
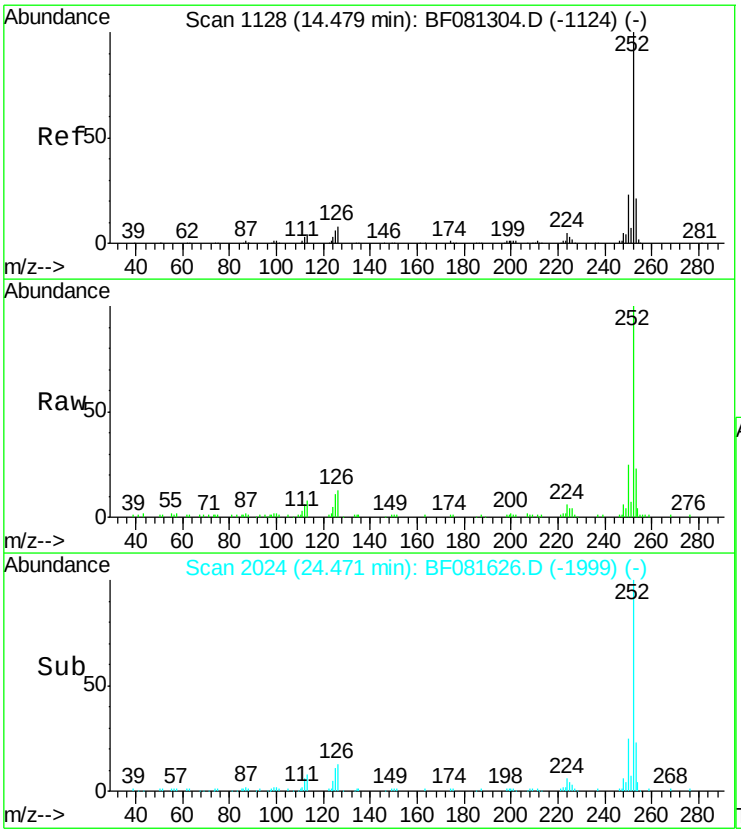
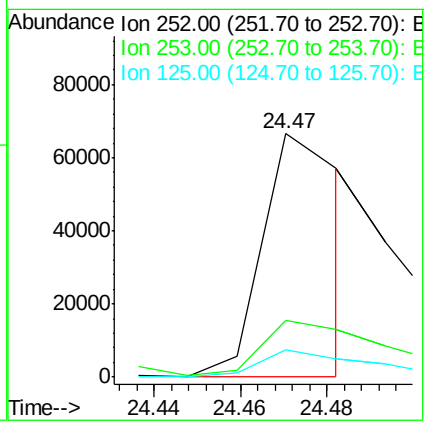


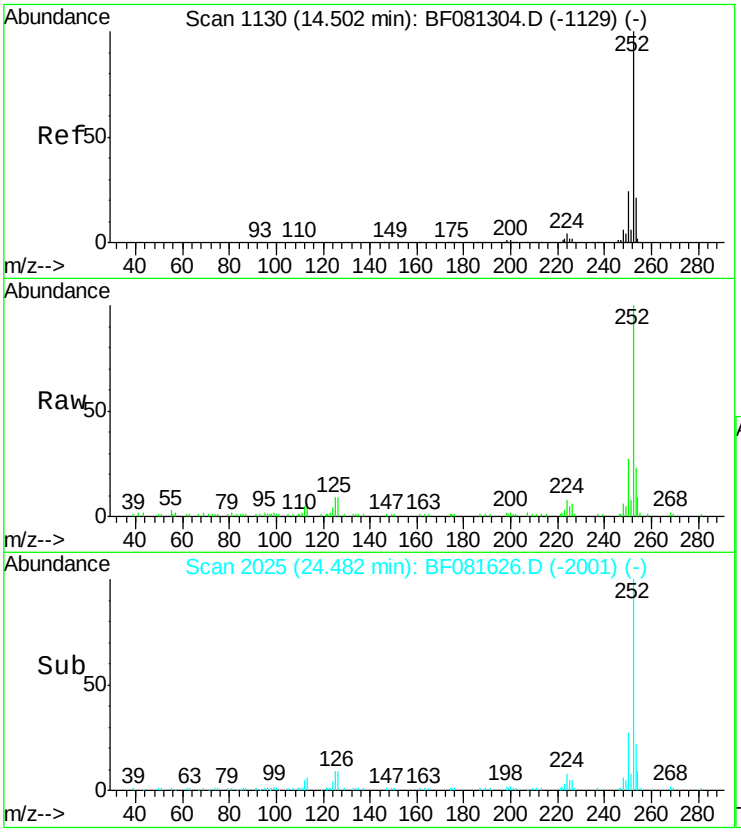


#87
Benzo(b)fluoranthene
Concen: 13.60 ng m
RT: 24.47 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:252 Resp: 88685

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.4	17.1	25.7#

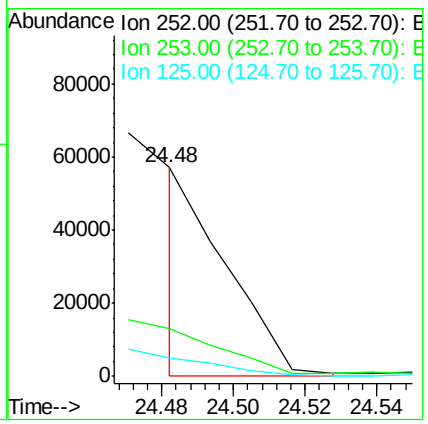




#88
Benzo(k)fluoranthene
Concen: 7.64 ng m
RT: 24.48 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:252 Resp: 41347

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.4
125	8.8	16.0	24.0#



Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

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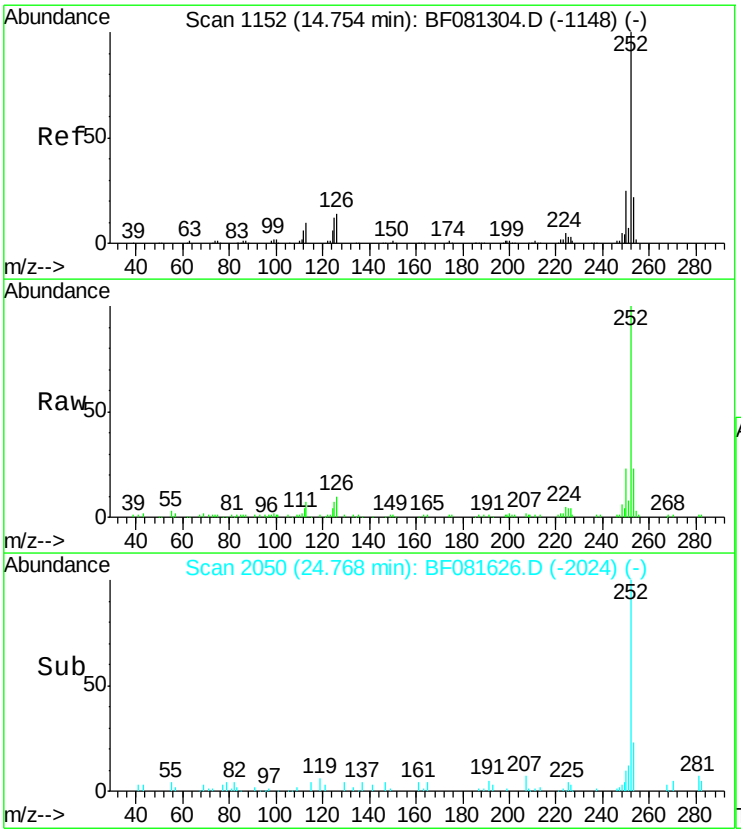
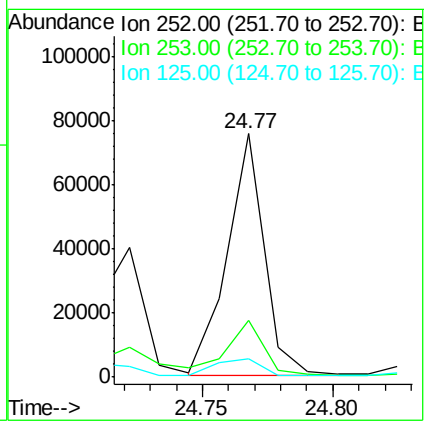
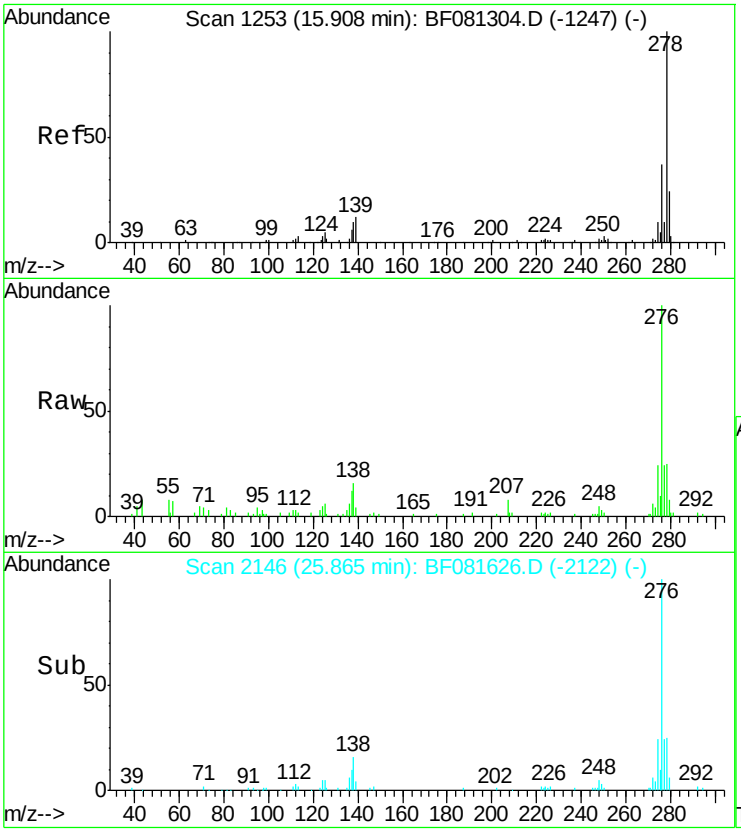


#89
Benzo(a)pyrene
Concen: 13.65 ng
RT: 24.77 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:252 Resp: 75458

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	7.5	18.0	27.0#





#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng
RT: 25.86 min Scan# 2146
Delta R.T. -0.02 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:278 Resp: 10162

Ion	Ratio	Lower	Upper
278	100		
139	17.8	26.3	39.5#
279	33.2	18.2	27.4#

Instrument :
BNA_F
ClientSampleId :
GP-3(0-5)DL

Manual Integrations APPROVED
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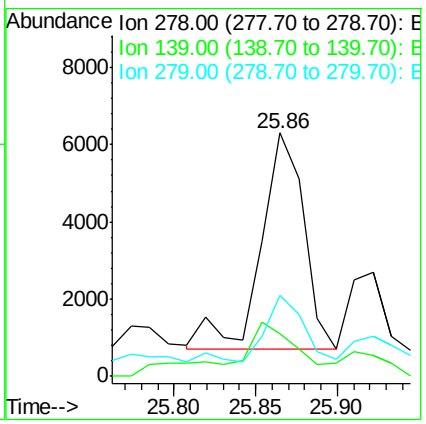

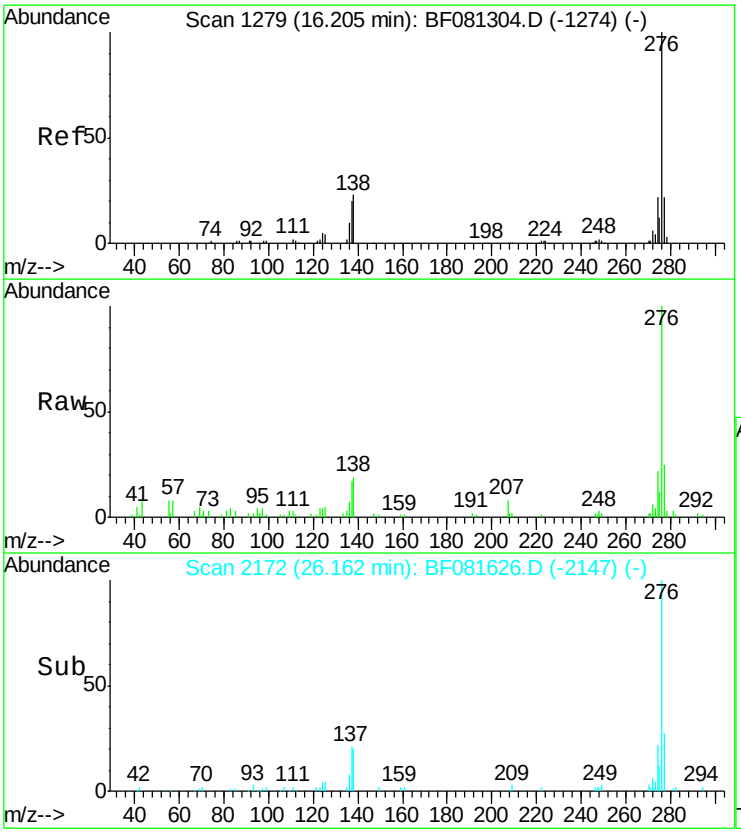

#91
Benzo(g,h,i)perylene
Concen: 9.85 ng
RT: 26.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF081626.D
Acq: 15 Sep 2015 12:59

Tgt Ion:276 Resp: 40154

Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.8	26.6
138	18.6	34.6	51.8#