Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086048.D
Acq On : 4 Apr 2016 20:18
Operator : UM/SJ
Sample : H2180-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK2-5-20160401

Manual Integrations APPROVED
Sohil
4/5/2016 6:39:08 PM

Quant Time: Apr 05 02:29:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	114885	20.00	ng		-0.01
21) Naphthalene-d8	8.04	136	418637	20.00	ng		-0.02
38) Acenaphthene-d10	9.80	164	184294	20.00	ng		-0.01
63) Phenanthrene-d10	11.29	188	287091	20.00	ng		-0.01
75) Chrysene-d12	13.92	240	212430	20.00	ng		-0.01
86) Perylene-d12	15.32	264	166438	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	752993	112.03	ng		0.00
7) Phenol-d6	6.42	99	1016893	119.11	ng		0.00
23) Nitrobenzene-d5	7.33	82	591190	83.28	ng		-0.01
41) 2,4,6-Tribromophenol	10.59	330	161280	93.24	ng		-0.01
44) 2-Fluorobiphenyl	9.13	172	887815	80.10	ng		-0.01
78) Terphenyl-d14	12.86	244	518602	57.39	ng		-0.01
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.76	142	29381	2.14	ng		99
48) Acenaphthylene	9.66	152	47121	2.55	ng		99
49) Dimethylphthalate	9.52	163	103862	7.60	ng		99
70) Phenanthrene	11.31	178	265306	16.94	ng		99
71) Anthracene	11.36	178	72724	4.43	ng		97
72) Carbazole	11.52	167	36452	2.58	ng	#	93
74) Fluoranthene	12.50	202	413968	25.41	ng		90
77) Pyrene	12.73	202	361191	24.13	ng		100
80) Benzo(a)anthracene	13.91	228	193083	15.42	ng		97
82) Chrysene	13.95	228	159719	13.24	ng		97
83) Bis(2-ethylhexyl)phthalate	13.91	149	50217	5.61	ng	#	92
85) Indeno(1,2,3-cd)pyrene	16.68	276	93998m	9.61	ng		
87) Benzo(b)fluoranthene	14.93	252	222134m	21.22	ng		
88) Benzo(k)fluoranthene	14.96	252	66587m	7.18	ng		
89) Benzo(a)pyrene	15.27	252	135470	14.60	ng	#	93
90) Dibenzo(a,h)anthracene	16.68	278	22522	3.02	ng	#	79
91) Benzo(g,h,i)perylene	17.09	276	94454	13.08	ng		95

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

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Manual Integrations APPROVED
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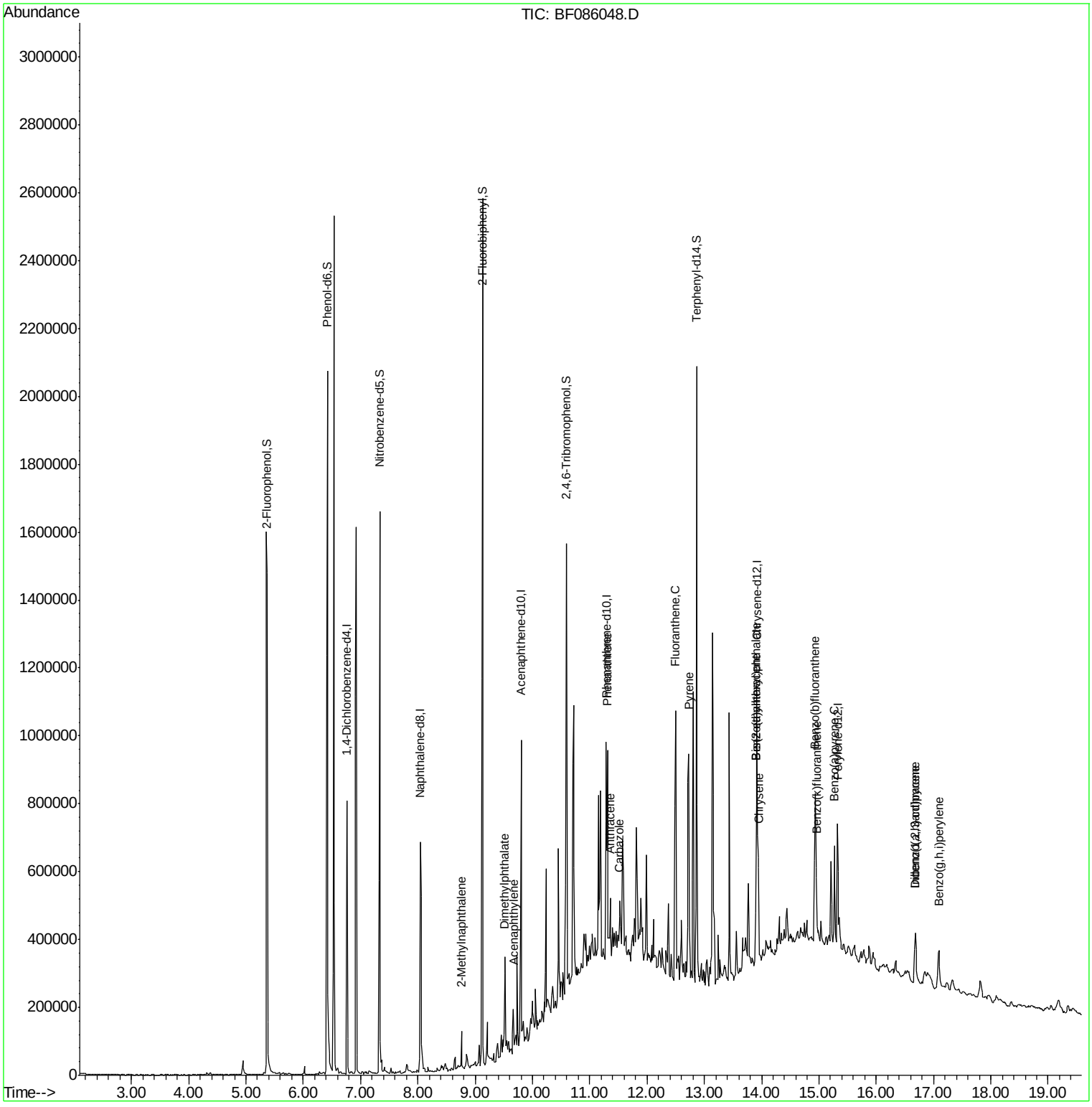
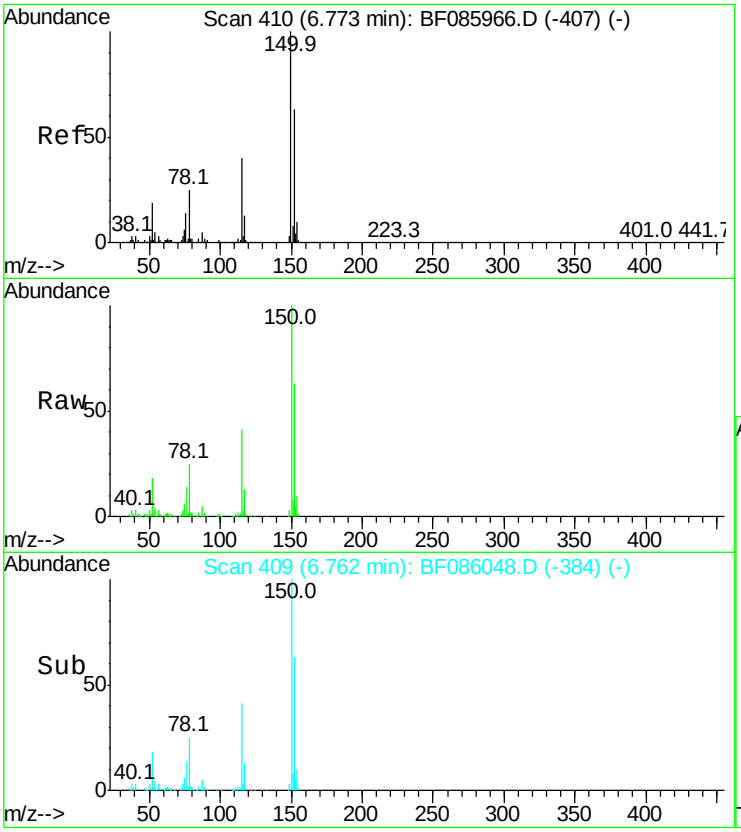
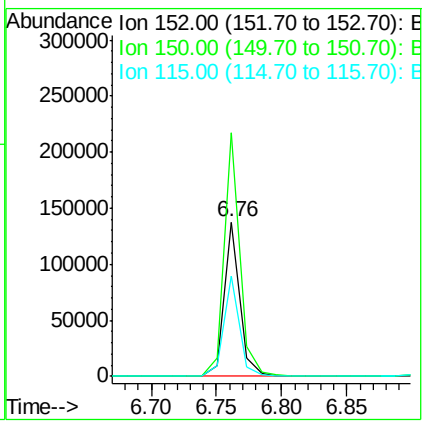




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:152 Resp: 114885

Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.2	186.2
115	65.0	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

Manual Integrations APPROVED
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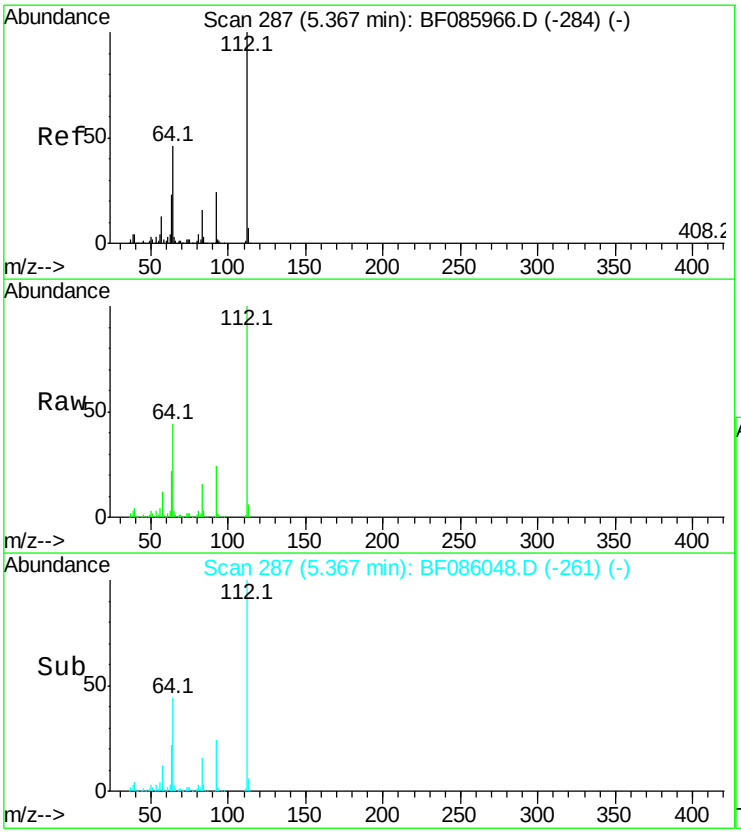
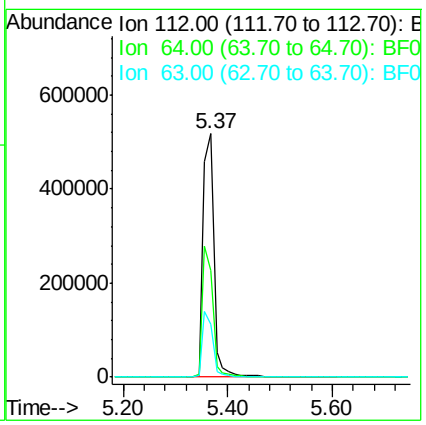
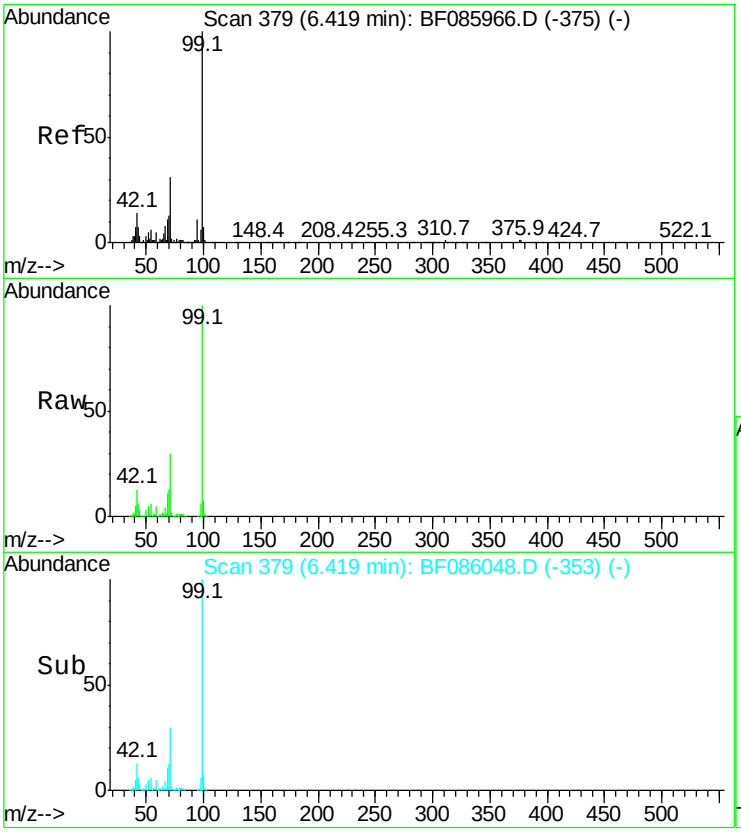


#5
2-Fluorophenol
Concen: 112.03 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:112 Resp: 752993

Ion	Ratio	Lower	Upper
112	100		
64	44.0	39.9	59.9
63	21.8	20.2	30.2

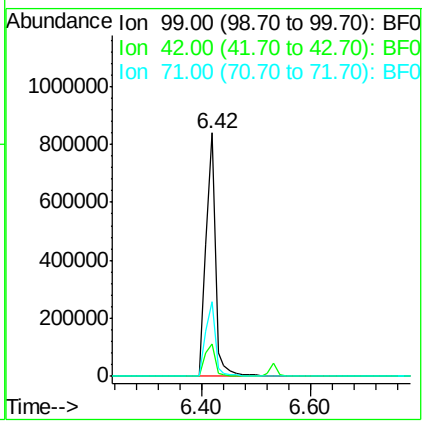




#7
Phenol-d6
Concen: 119.11 ng
RT: 6.42 min Scan# 379
Delta R.T. 0.00 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion: 99 Resp: 1016893

Ion	Ratio	Lower	Upper
99	100		
42	13.1	11.1	16.7
71	30.5	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

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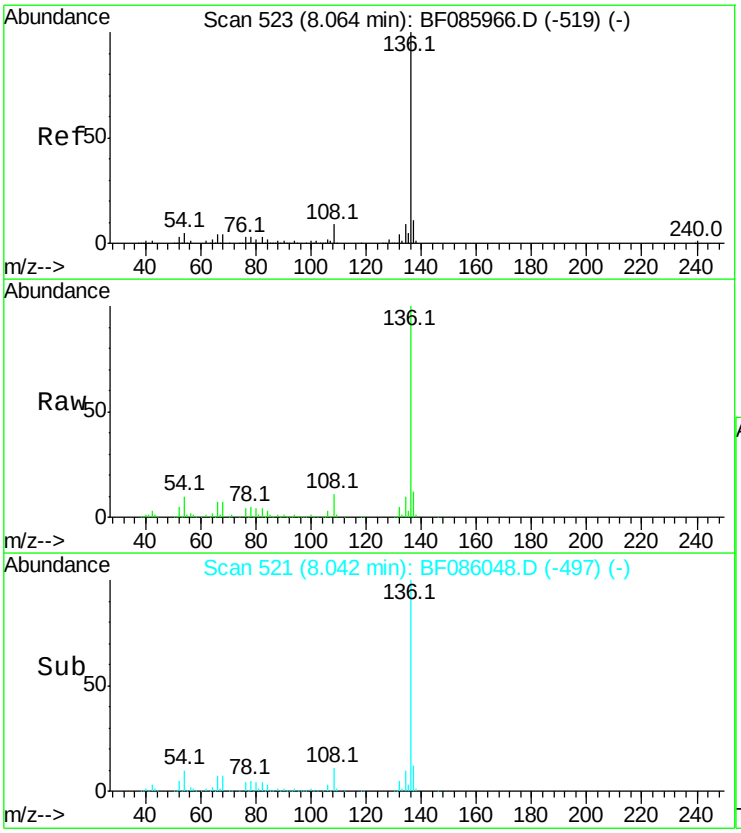
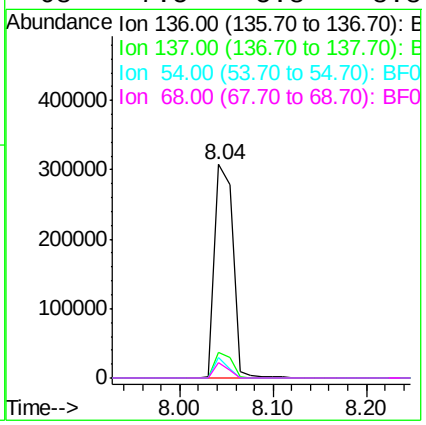
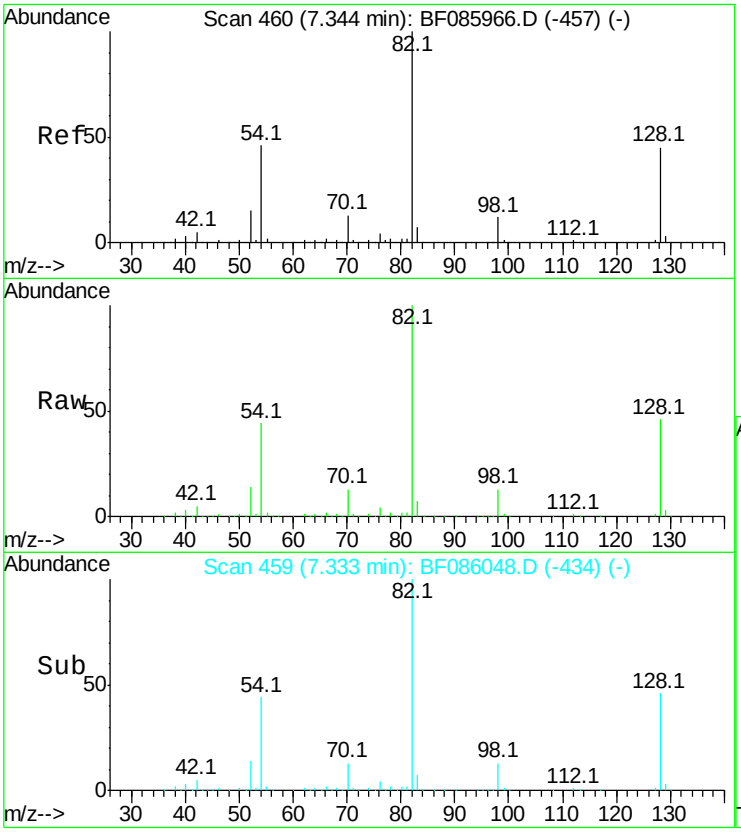


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:136 Resp: 418637

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	9.5	7.4	11.0
68	7.5	5.8	8.8

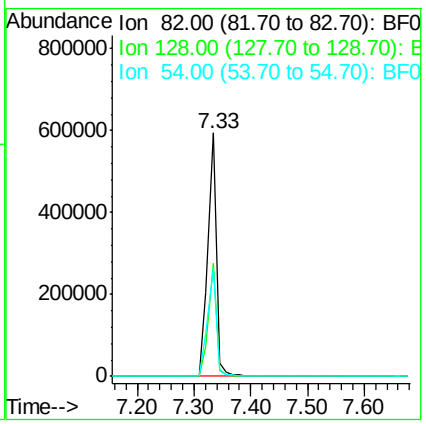




#23
Nitrobenzene-d5
Concen: 83.28 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion: 82 Resp: 591190

Ion	Ratio	Lower	Upper
82	100		
128	46.2	41.8	62.8
54	44.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

Manual Integrations APPROVED
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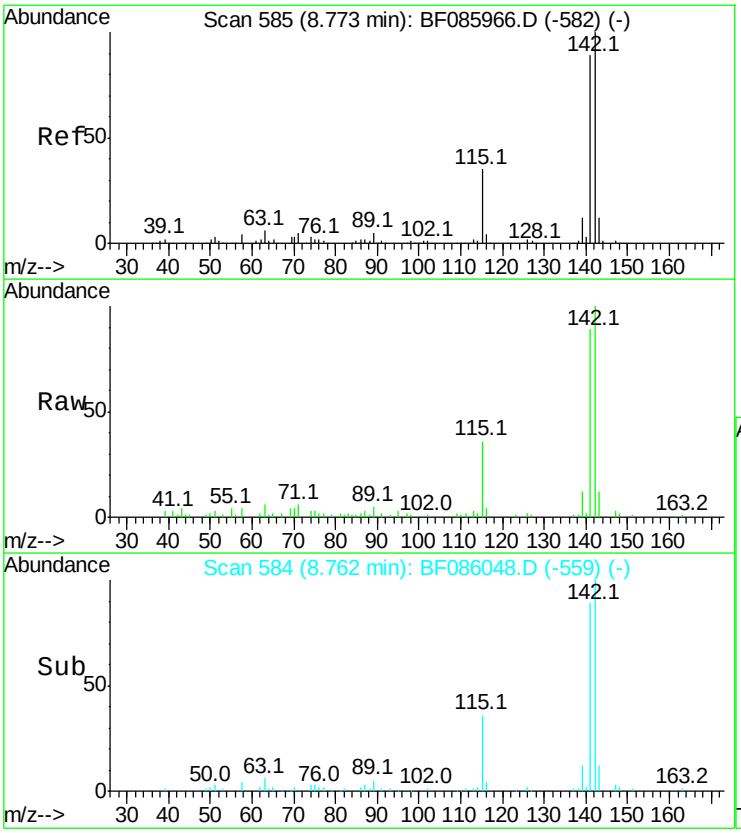
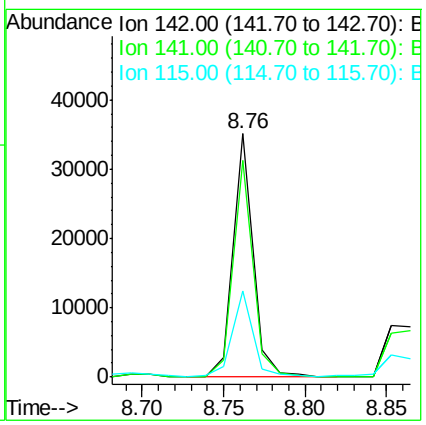
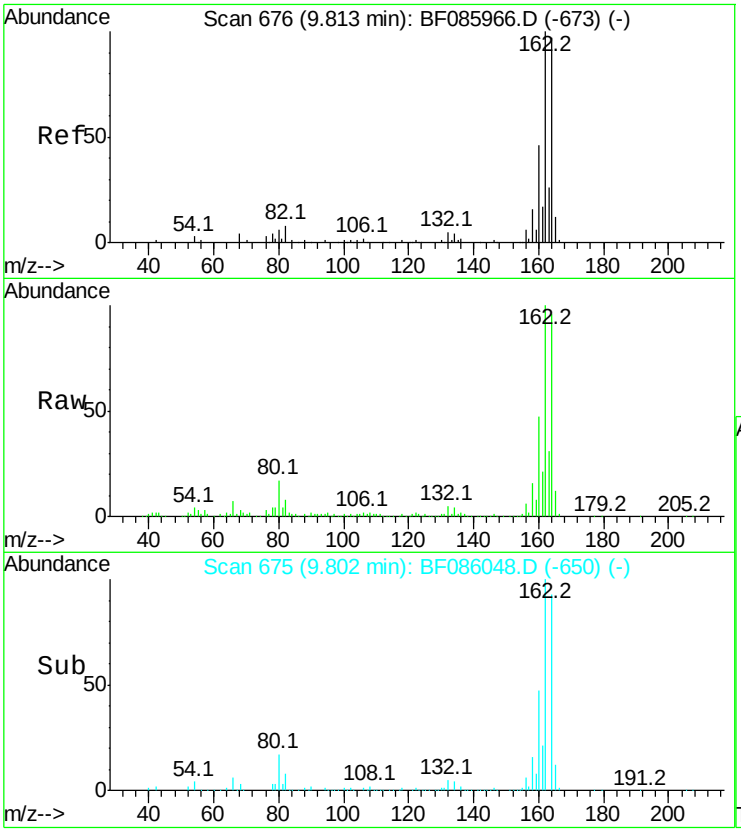


#37
2-Methylnaphthalene
Concen: 2.14 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:142 Resp: 29381

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.6	107.4
115	35.6	26.8	40.2

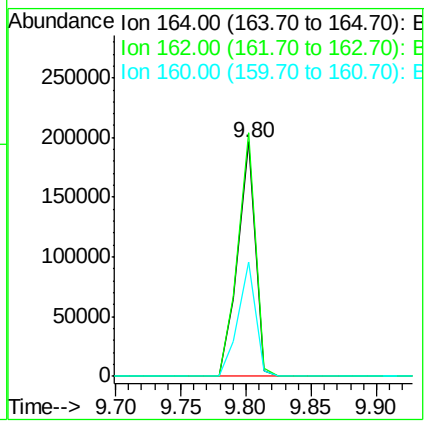




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:164 Resp: 184294

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.1	123.1
160	48.8	37.4	56.2



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

Manual Integrations APPROVED
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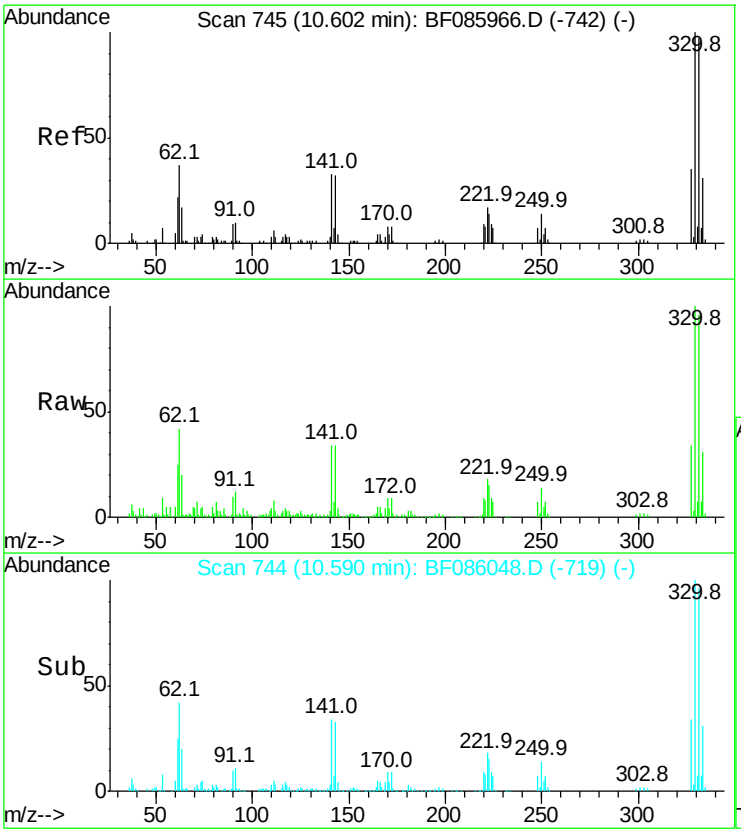
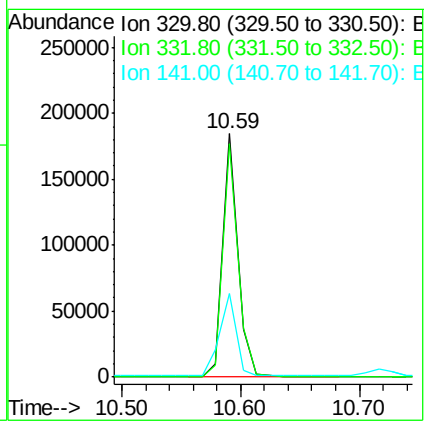
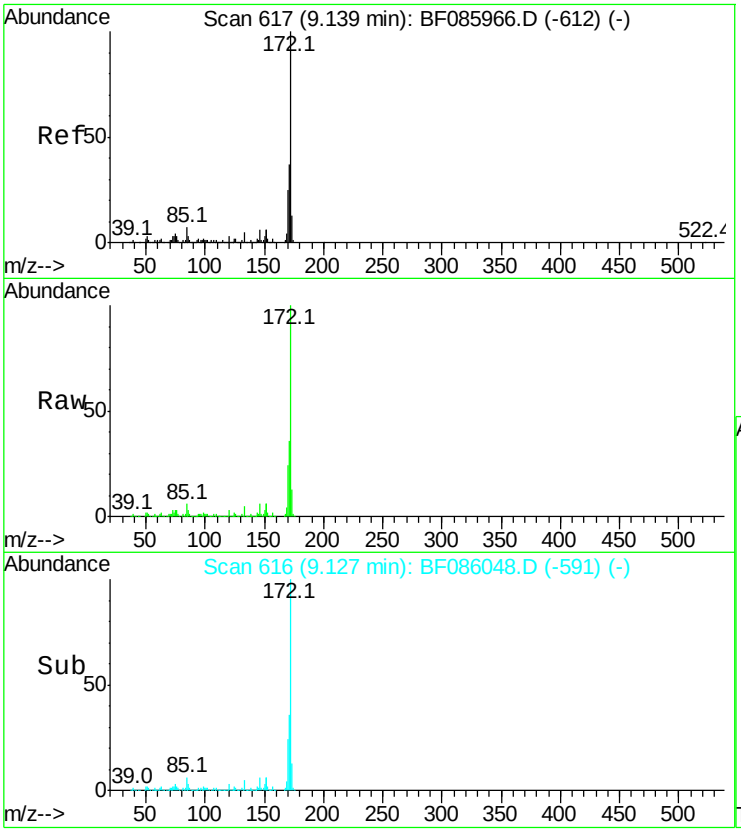


#41
2,4,6-Tribromophenol
Concen: 93.24 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:330 Resp: 161280

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.2
141	38.8	31.5	47.3

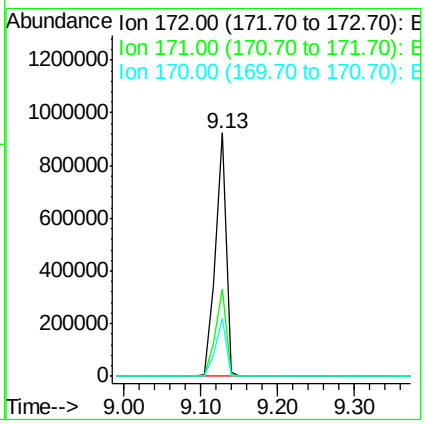




#44
2-Fluorobiphenyl
Concen: 80.10 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:172 Resp: 887815

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.2
170	24.0	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
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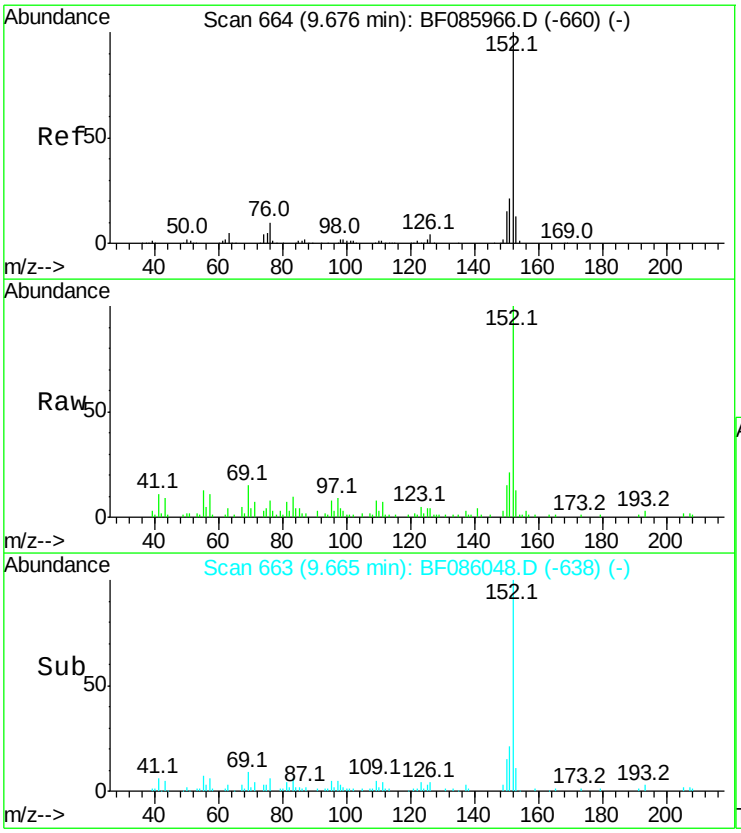
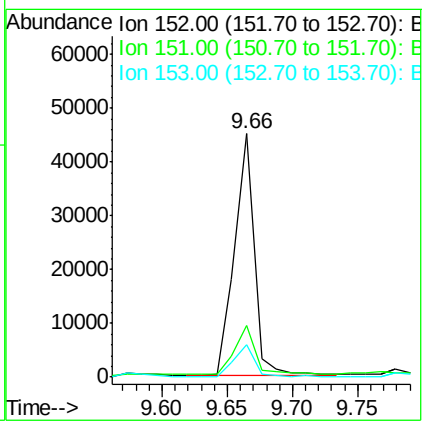
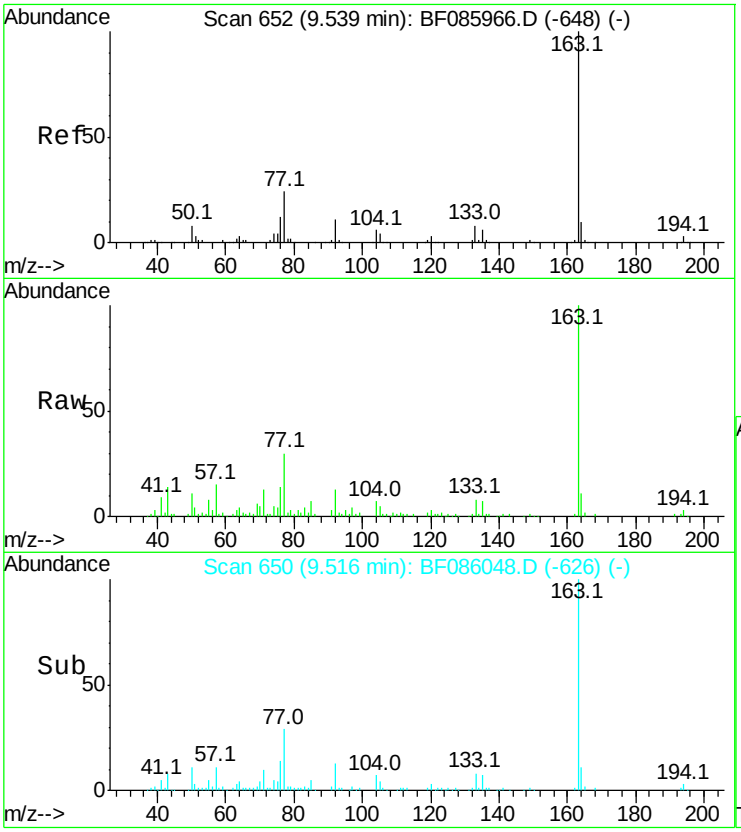


#48
Acenaphthylene
Concen: 2.55 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:152 Resp: 47121

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2
153	13.1	10.9	16.3

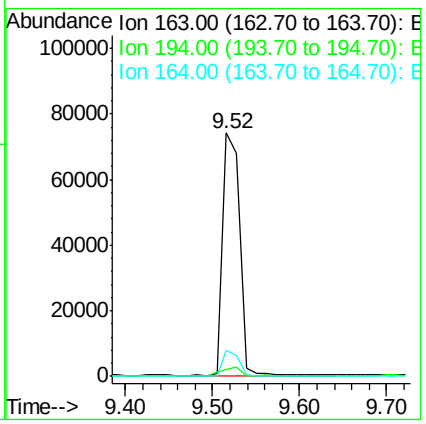




#49
Dimethylphthalate
Concen: 7.60 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:163 Resp: 103862

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.9	4.3
164	10.8	8.3	12.5



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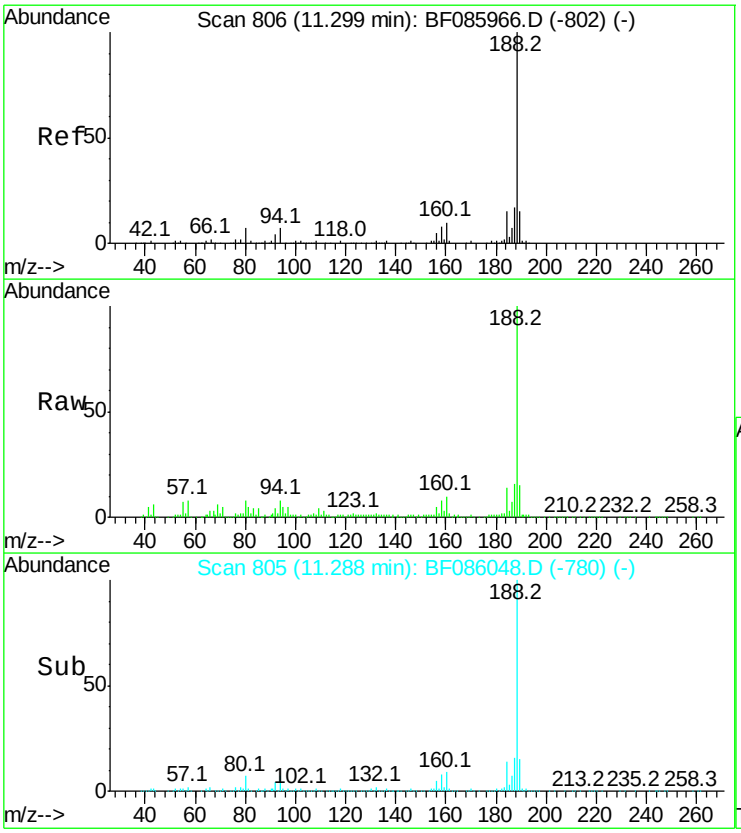
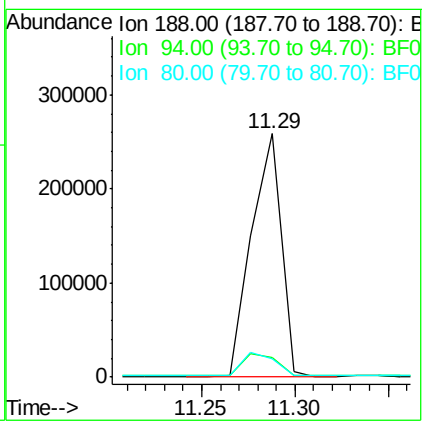
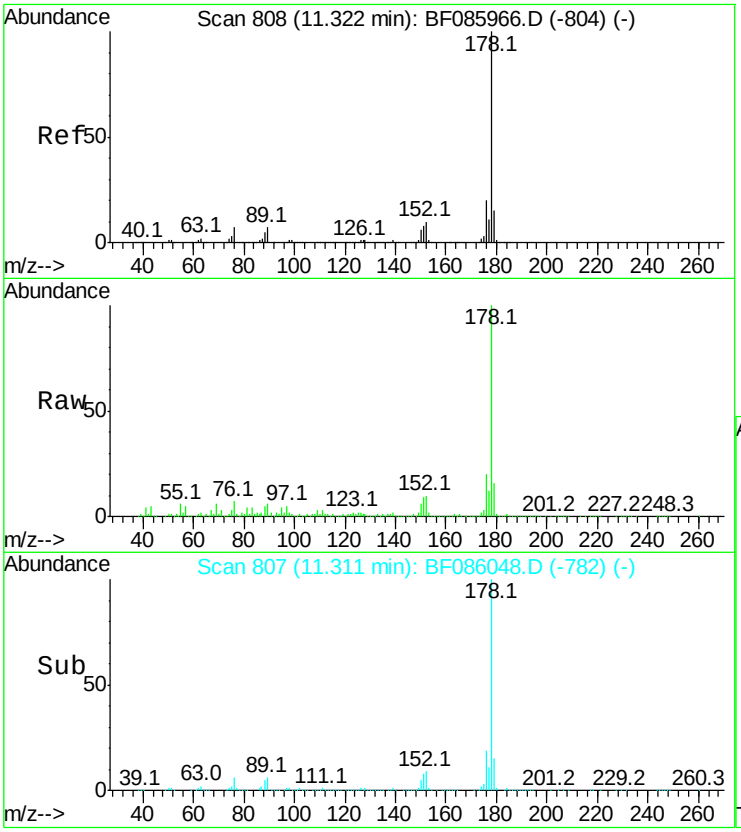


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:188 Resp: 287091

Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.4	8.0
80	7.7	5.5	8.3

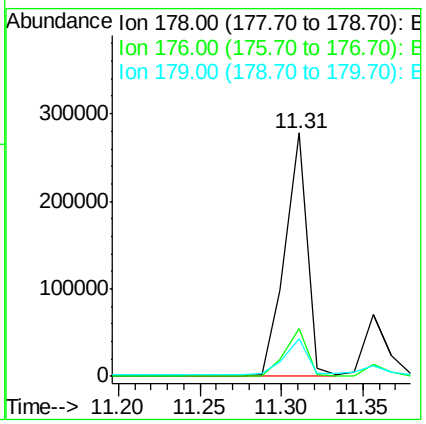




#70
Phenanthrene
Concen: 16.94 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:178 Resp: 265306

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.6	12.6	18.8



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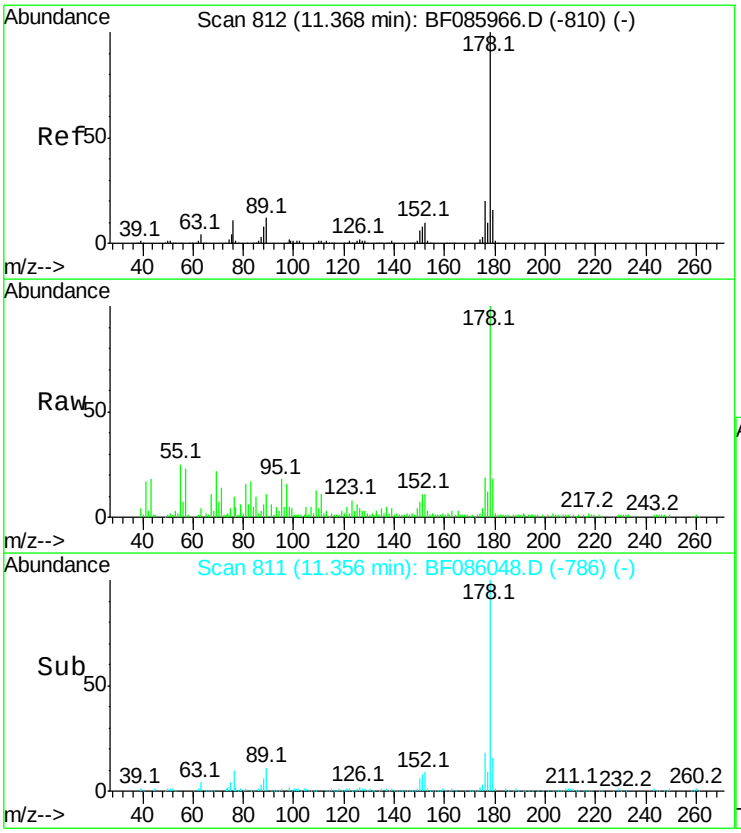
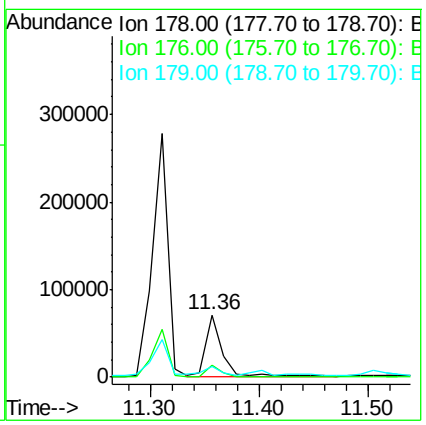
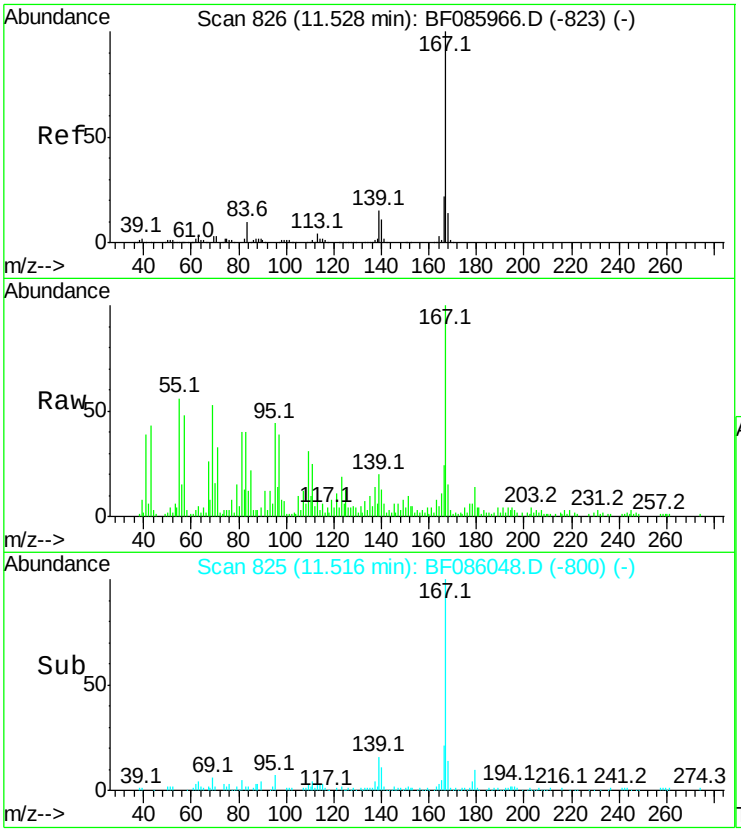


#71
Anthracene
Concen: 4.43 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:178 Resp: 72724

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	17.9	13.0	19.4

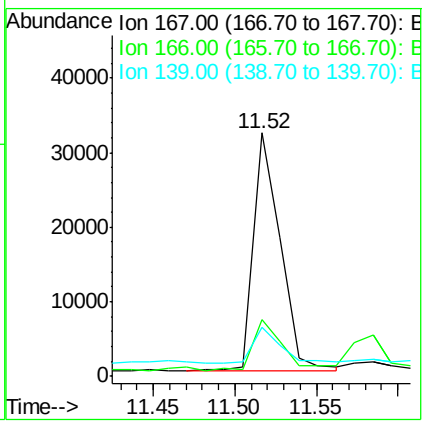




#72
Carbazole
Concen: 2.58 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

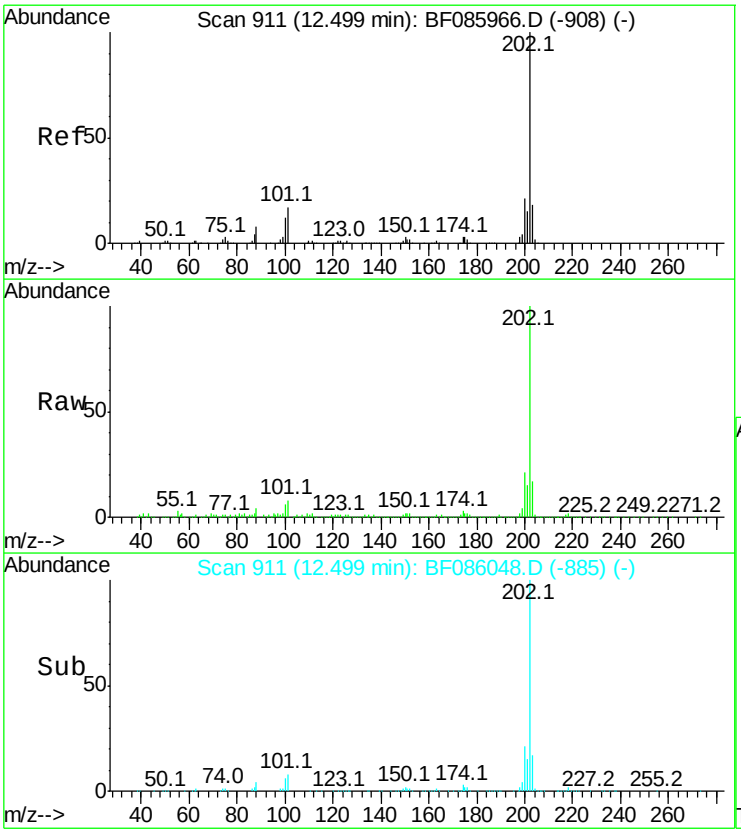
Tgt Ion:167 Resp: 36452

Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.8	26.8
139	20.3	11.6	17.4#



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

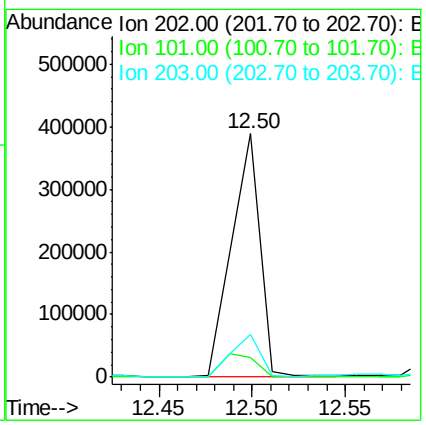
Manual Integrations APPROVED
Sohil
4/5/2016 6:39:08 PM

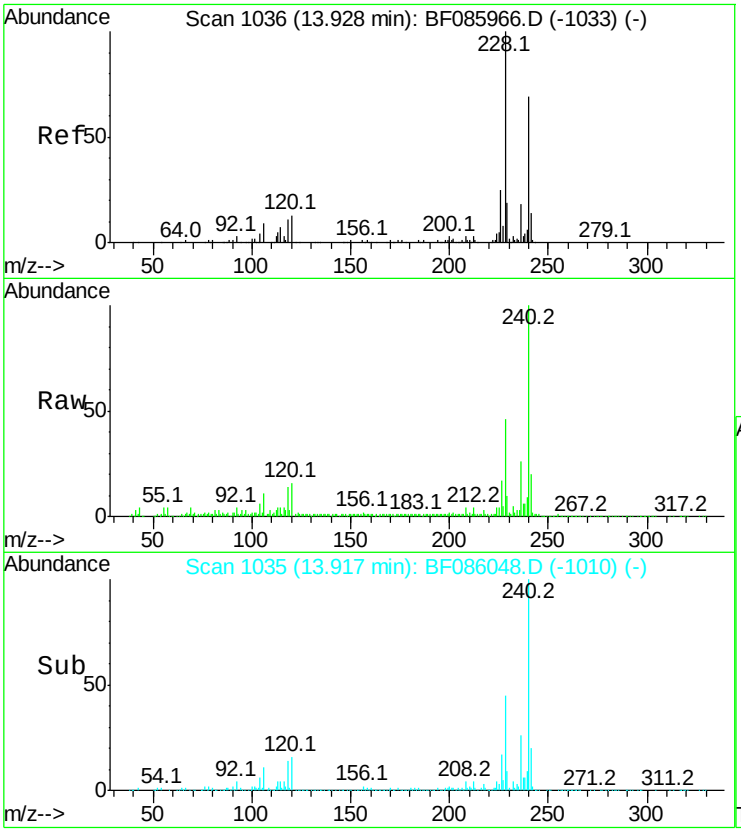


#74
Fluoranthene
Concen: 25.41 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:202 Resp: 413968

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	36.6
203	17.3	0.0	38.1

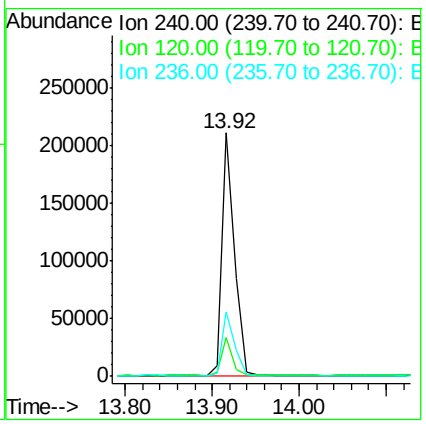




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:240 Resp: 212430

Ion	Ratio	Lower	Upper
240	100		
120	16.0	13.8	20.8
236	26.3	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

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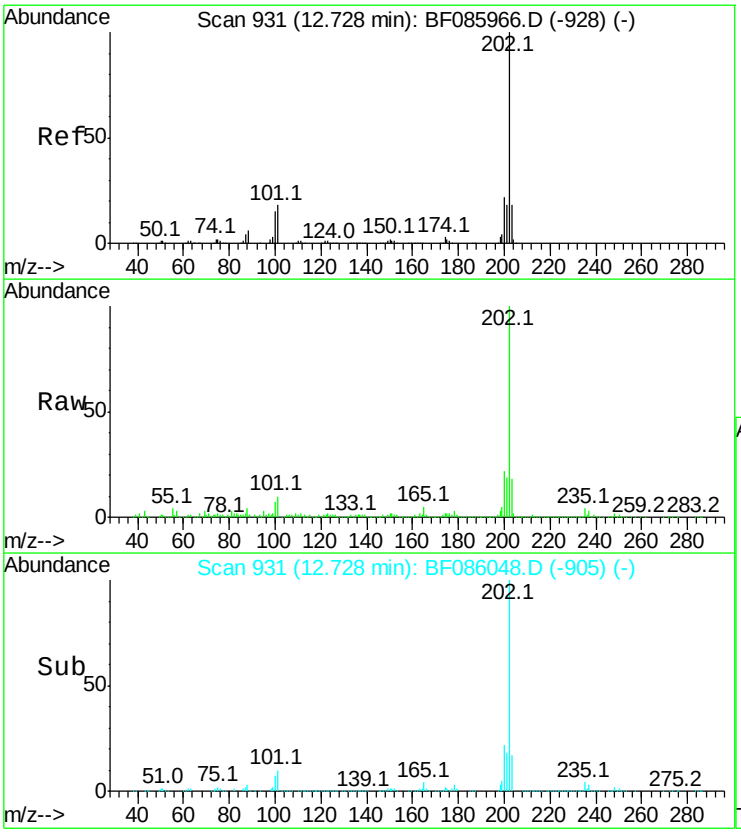
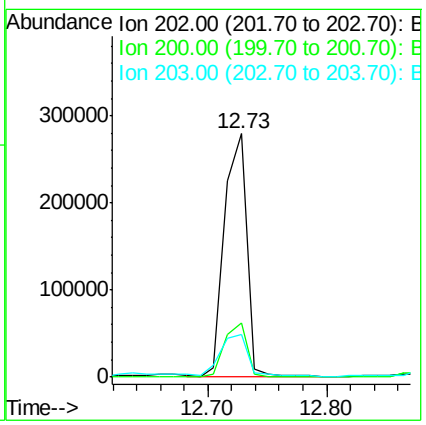
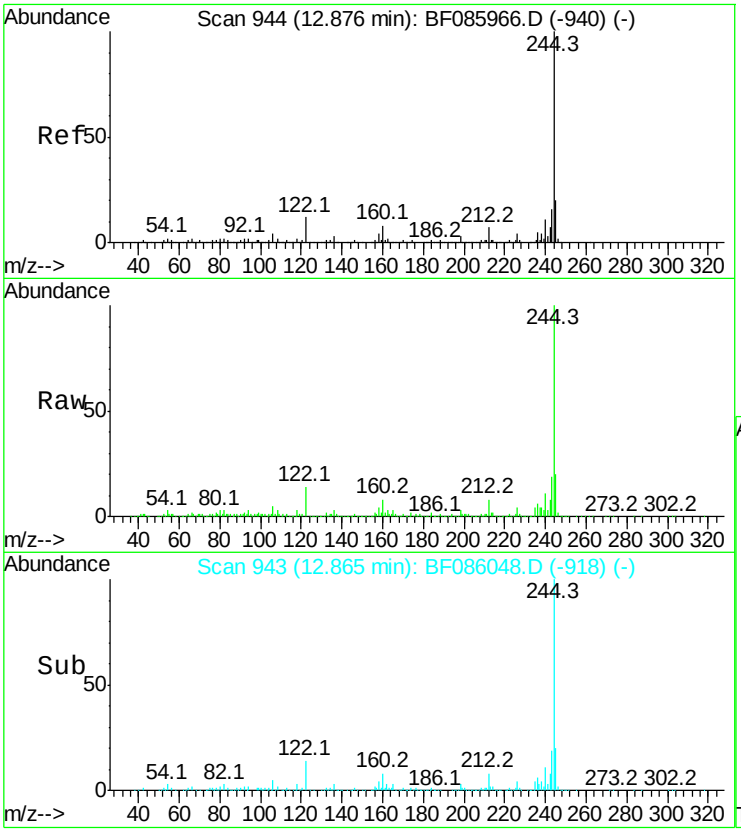


#77
Pyrene
Concen: 24.13 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:202 Resp: 361191

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.6	26.4
203	17.7	14.0	21.0

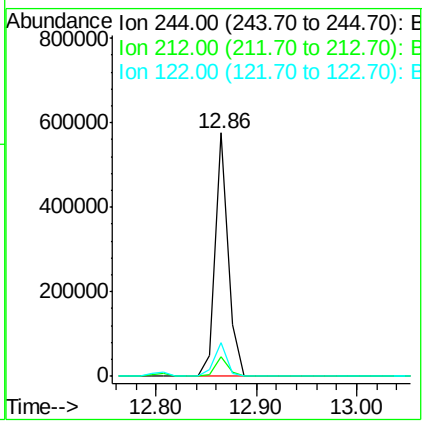




#78
Terphenyl-d14
Concen: 57.39 ng
RT: 12.86 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:244 Resp: 518602

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.1	9.1
122	13.8	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

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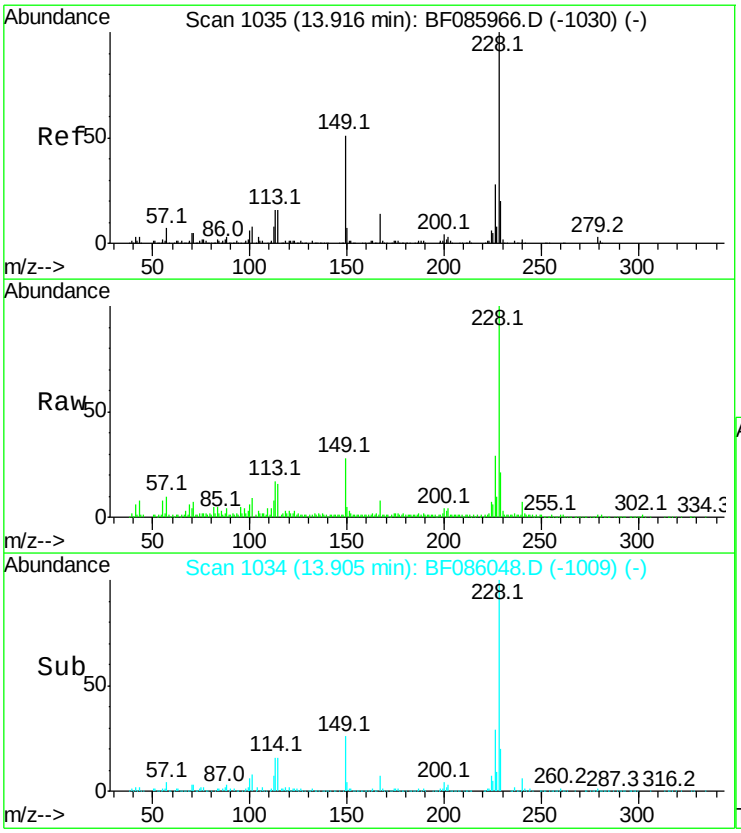
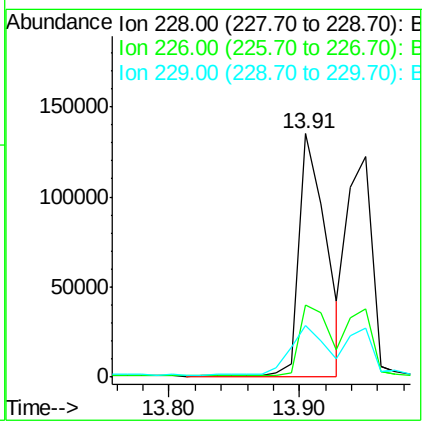
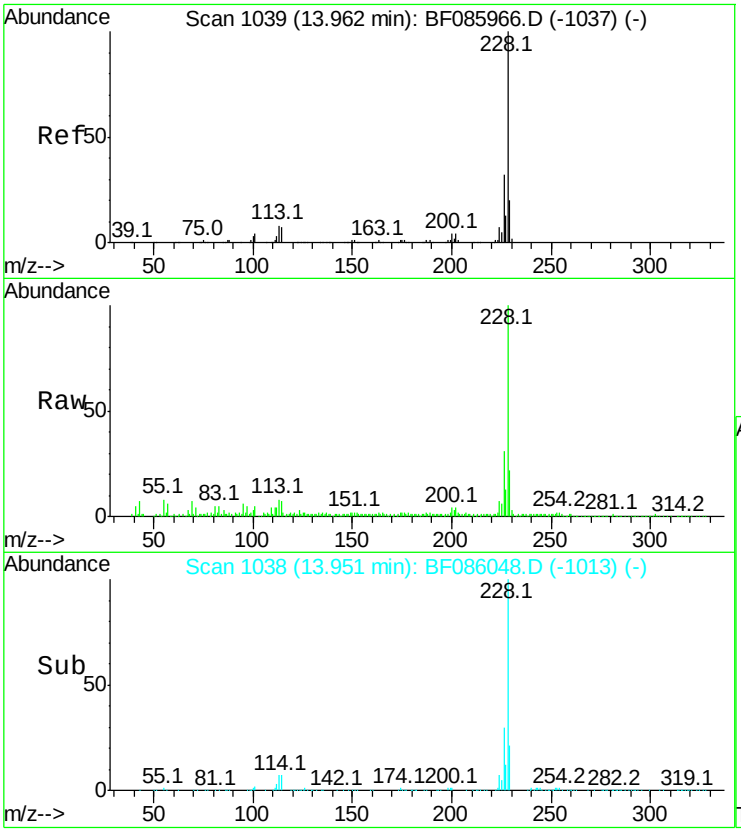


#80
Benzo(a)anthracene
Concen: 15.42 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:228 Resp: 193083

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.1	33.1
229	21.3	16.2	24.4

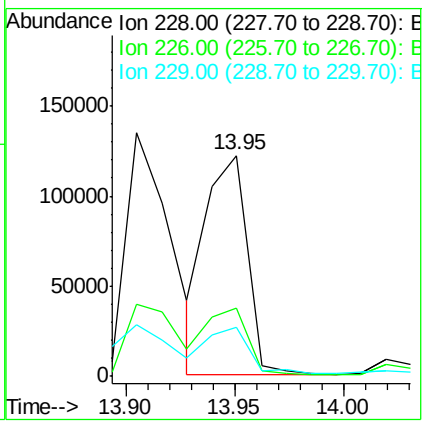




#82
Chrysene
Concen: 13.24 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:228 Resp: 159719

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

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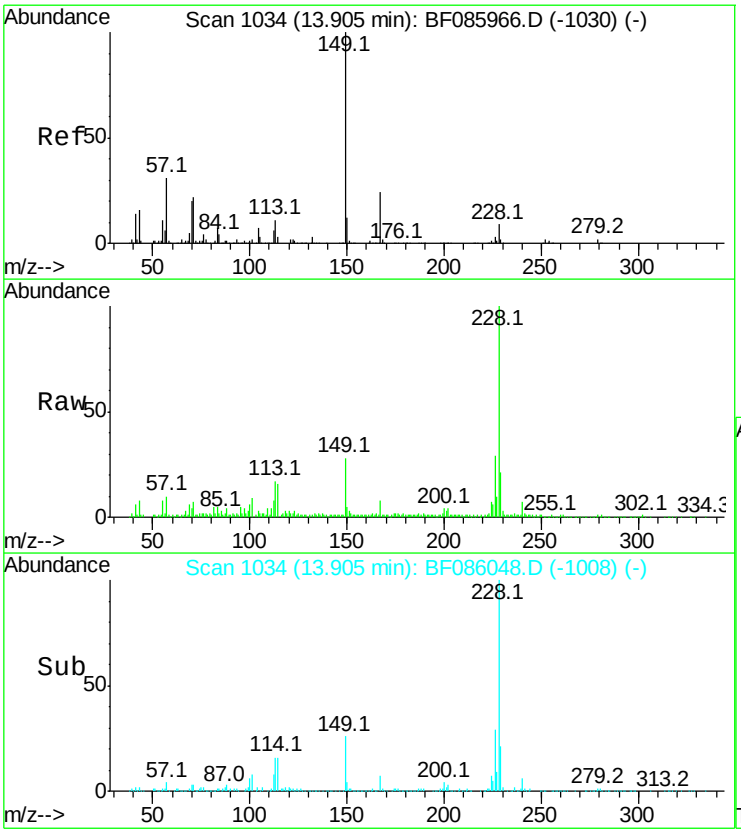
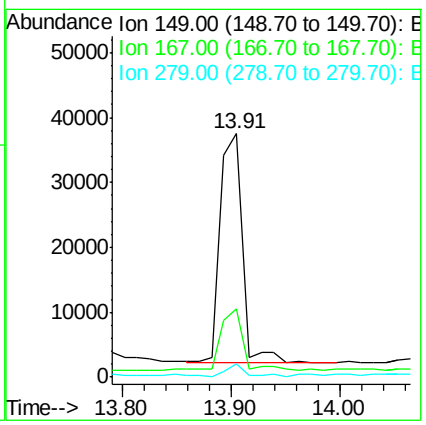
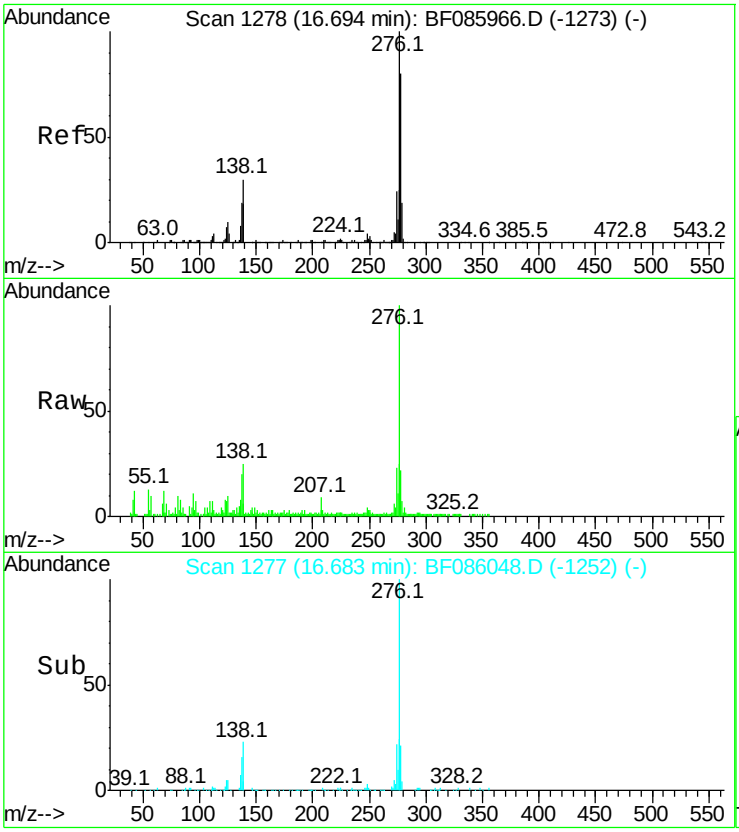


#83
Bis(2-ethylhexyl)phthalate
Concen: 5.61 ng
RT: 13.91 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:149 Resp: 50217

Ion	Ratio	Lower	Upper
149	100		
167	28.0	19.4	29.2
279	5.2	1.5	2.3#





#85
Indeno(1,2,3-cd)pyrene
Concen: 9.61 ng m
RT: 16.68 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:276 Resp: 93998

Ion	Ratio	Lower	Upper
276	100		
138	5.0	24.2	36.4#
277	4.7	20.0	30.0#

Instrument :
BNA_F
ClientSampleId :
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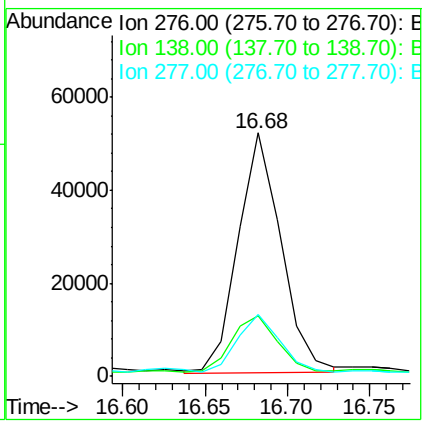
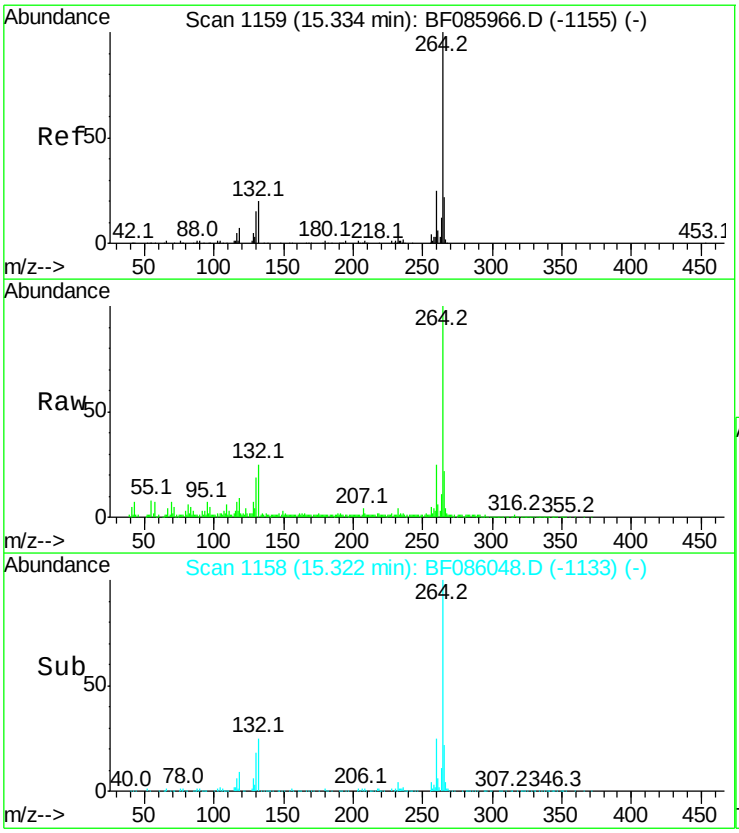
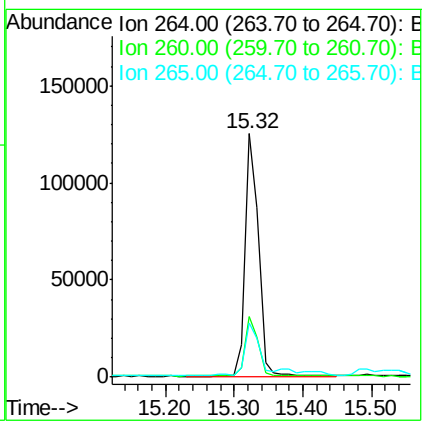


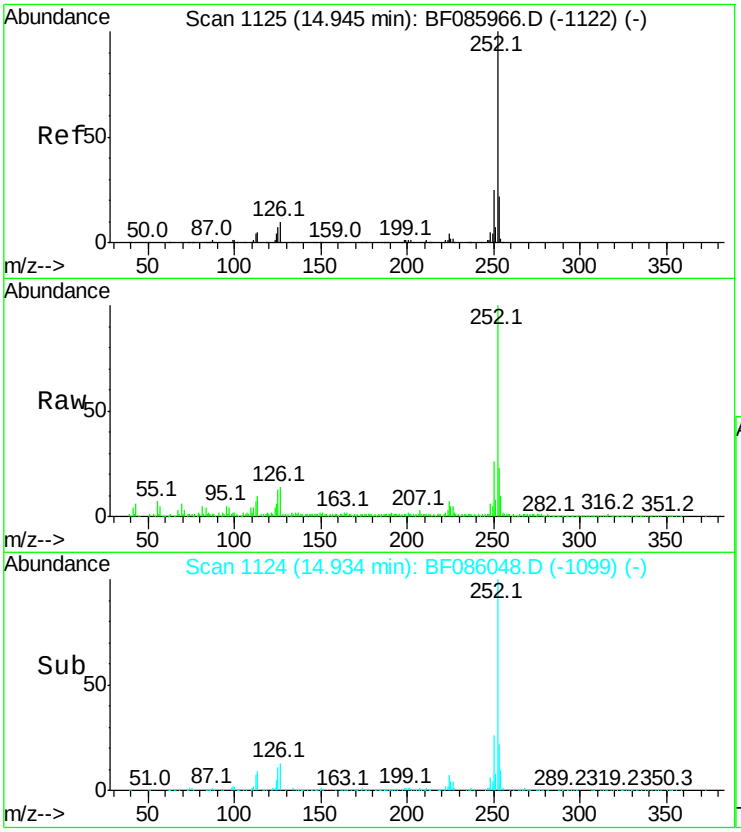


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:264 Resp: 166438

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.4	17.2	25.8

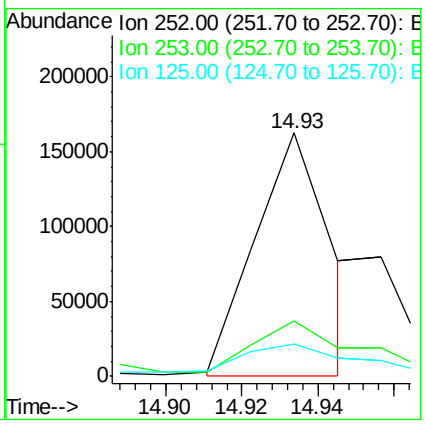




#87
Benzo(b)fluoranthene
Concen: 21.22 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:252 Resp: 222134

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	13.2	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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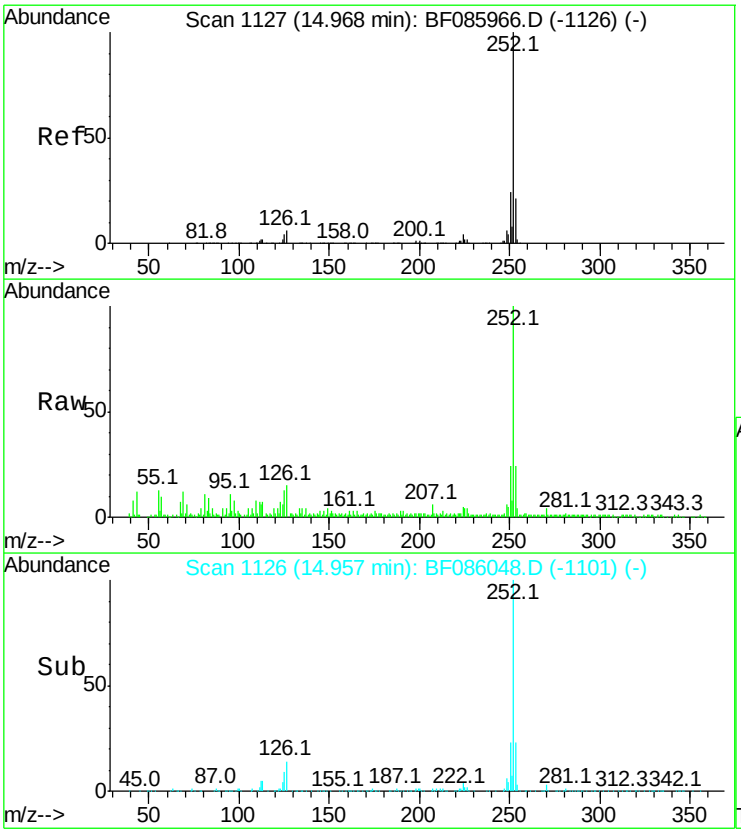
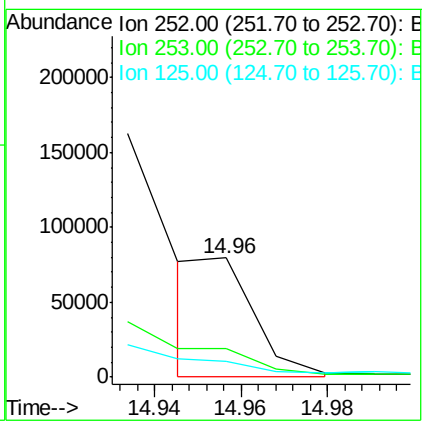
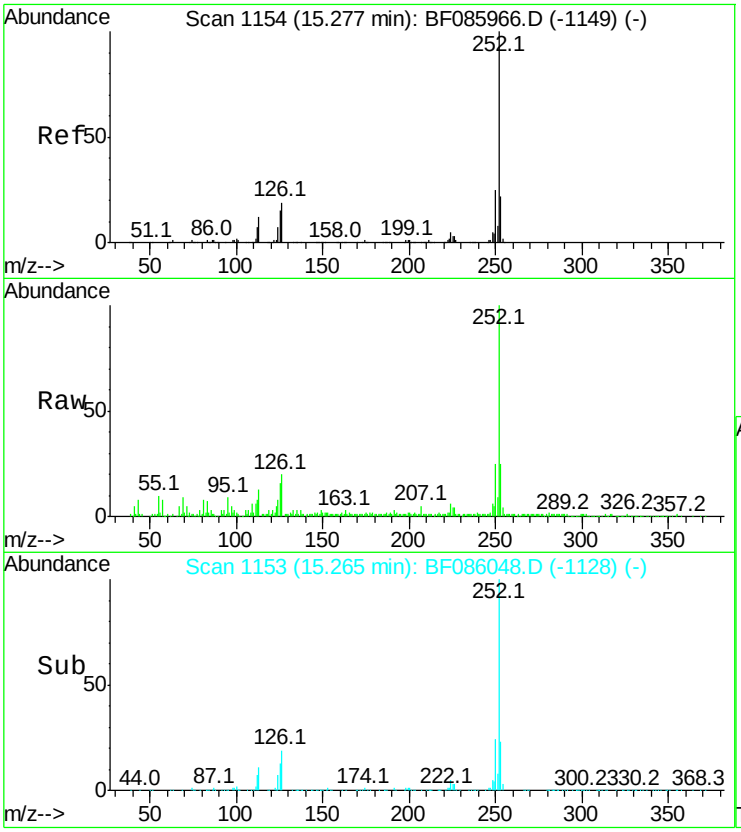


#88
Benzo(k)fluoranthene
Concen: 7.18 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:252 Resp: 66587

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	12.9	7.7	11.5#

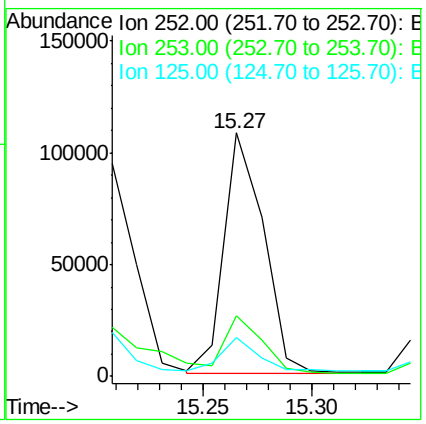




#89
Benzo(a)pyrene
Concen: 14.60 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:252 Resp: 135470

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	15.9	10.3	15.5#



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

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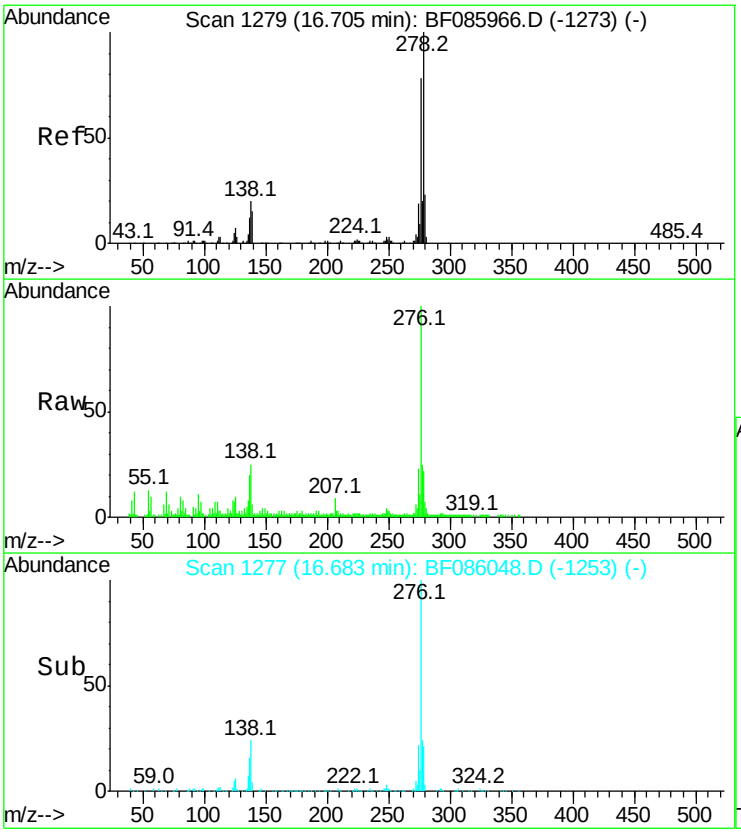
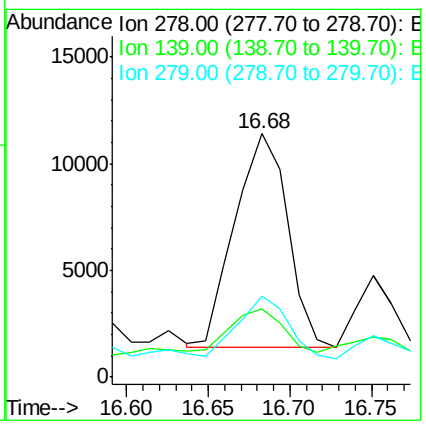
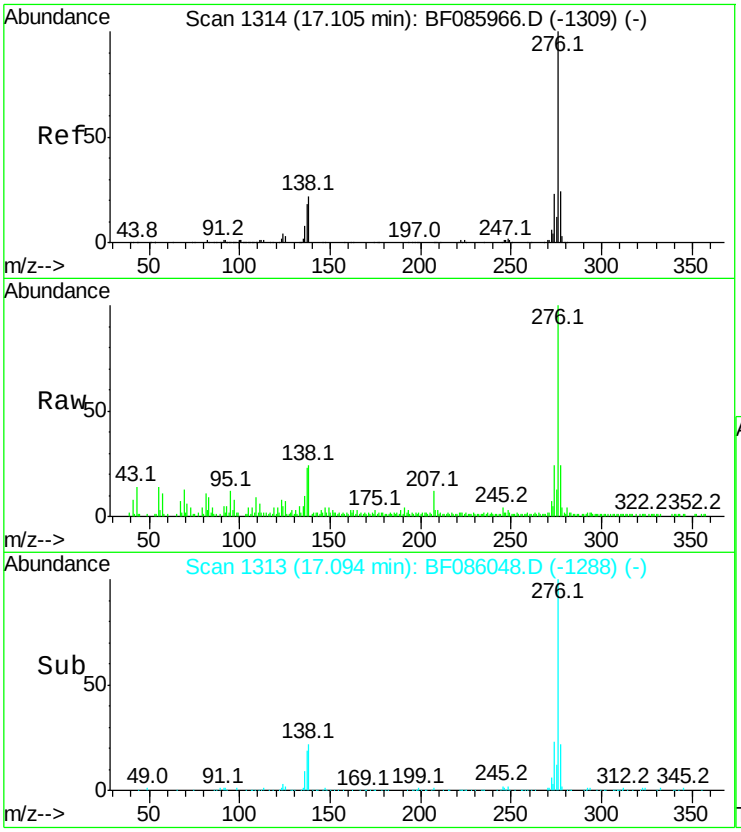


#90
Dibenzo(a,h)anthracene
Concen: 3.02 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:278 Resp: 22522

Ion	Ratio	Lower	Upper
278	100		
139	28.2	14.4	21.6#
279	33.1	19.1	28.7#

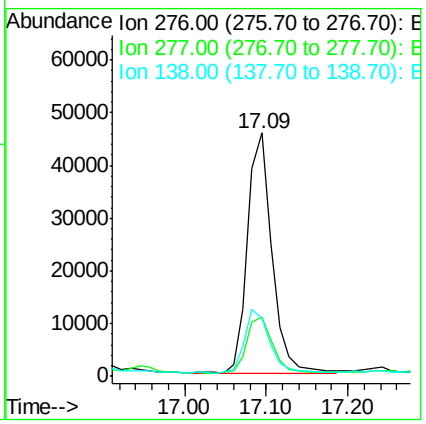




#91
Benzo(g,h,i)perylene
Concen: 13.08 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF086048.D
Acq: 4 Apr 2016 20:18

Tgt Ion:276 Resp: 94454

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	23.9	22.6	34.0



Instrument :
BNA_F
ClientSampleId :
TK2-5-20160401

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