Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085194.D
Acq On : 4 Mar 2016 8:50
Operator : SJ/UM
Sample : H1649-02 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
Sohil
3/4/2016 4:36:26 PM

Quant Time: Mar 04 13:51:19 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	142568	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	599255	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	244583	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	382903	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	307638	20.00	ng	-0.01
86) Perylene-d12	15.61	264	286999	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	216373	25.46	ng	0.00
7) Phenol-d6	6.60	99	302469	27.16	ng	-0.01
23) Nitrobenzene-d5	7.53	82	174356	15.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	16934	8.09	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	307046	19.09	ng	-0.01
78) Terphenyl-d14	13.09	244	157666	11.90	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.73	163	50941	2.71	ng	99
70) Phenanthrene	11.52	178	79796	3.98	ng	97
74) Fluoranthene	12.71	202	109431	5.43	ng	95
77) Pyrene	12.94	202	96283	4.16	ng	97
80) Benzo(a)anthracene	14.13	228	45403m	2.47	ng	
82) Chrysene	14.16	228	48259m	2.84	ng	
87) Benzo(b)fluoranthene	15.18	252	56535m	2.96	ng	
89) Benzo(a)pyrene	15.55	252	40271	2.54	ng	# 90

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

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BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
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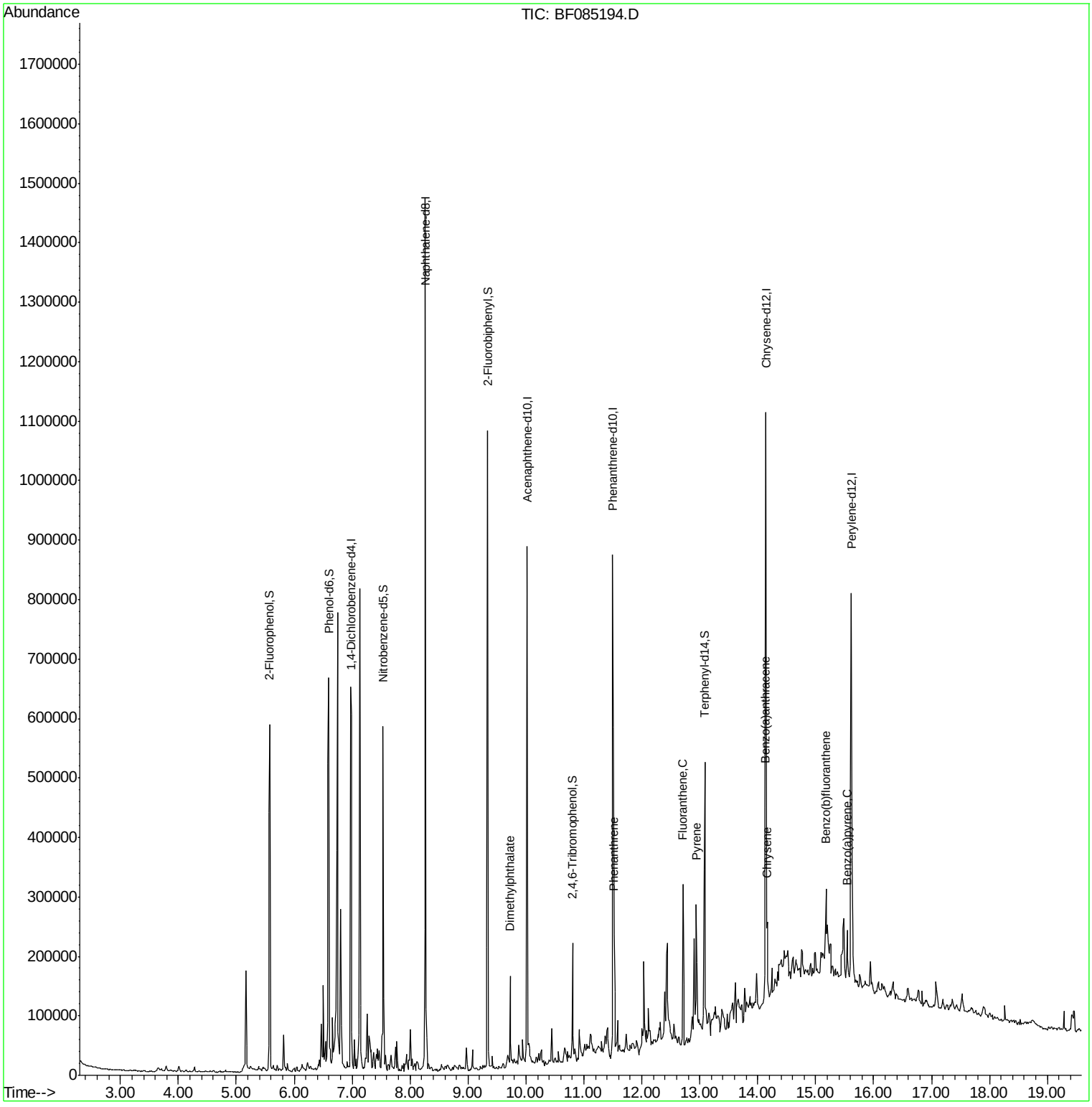
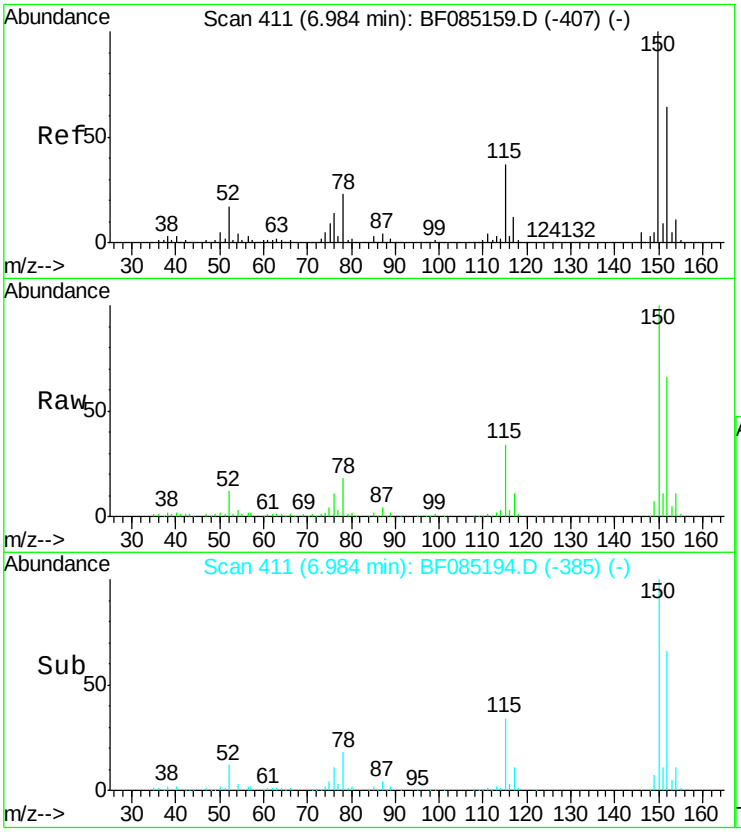
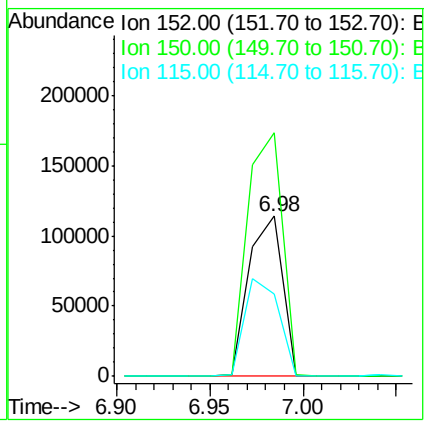




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 411
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:152 Resp: 142568

Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.6	186.8
115	51.6	46.6	70.0



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
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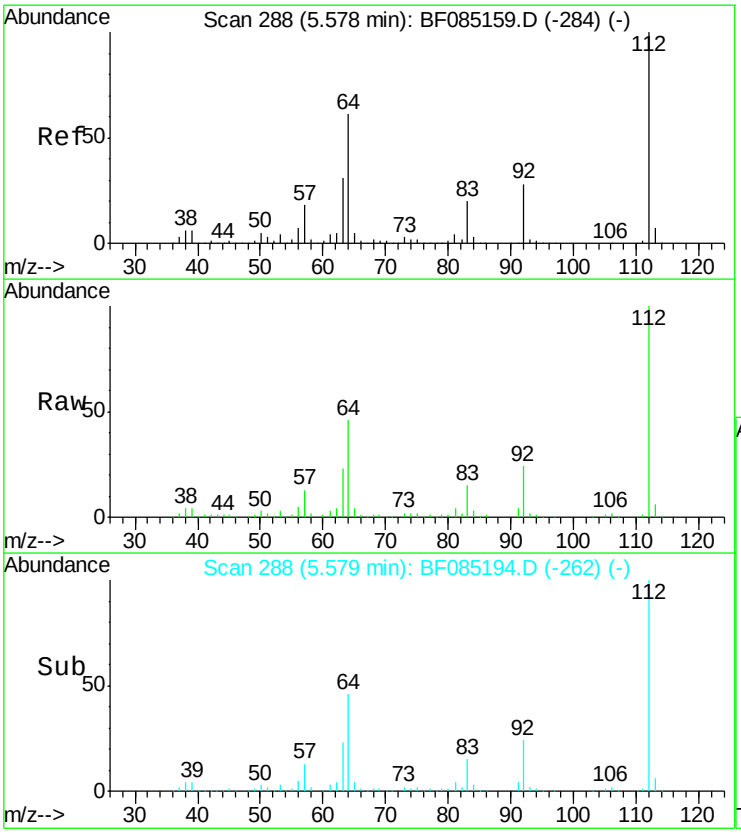
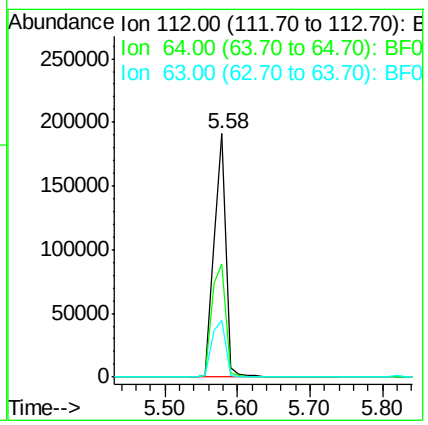
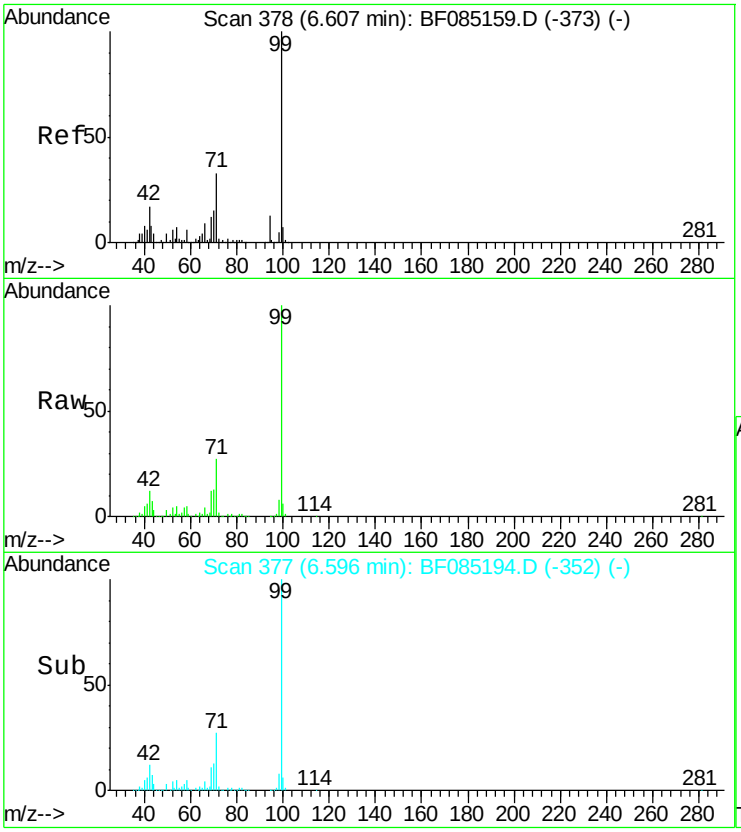


#5
2-Fluorophenol
Concen: 25.46 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:112 Resp: 216373

Ion	Ratio	Lower	Upper
112	100		
64	46.4	49.0	73.4#
63	23.5	24.8	37.2#

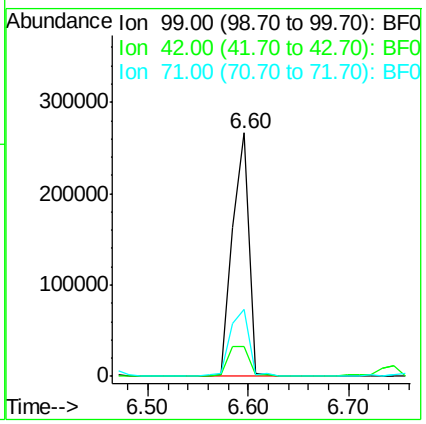




#7
Phenol-d6
Concen: 27.16 ng
RT: 6.60 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion: 99 Resp: 302469

Ion	Ratio	Lower	Upper
99	100		
42	12.2	13.6	20.4#
71	27.4	26.7	40.1



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

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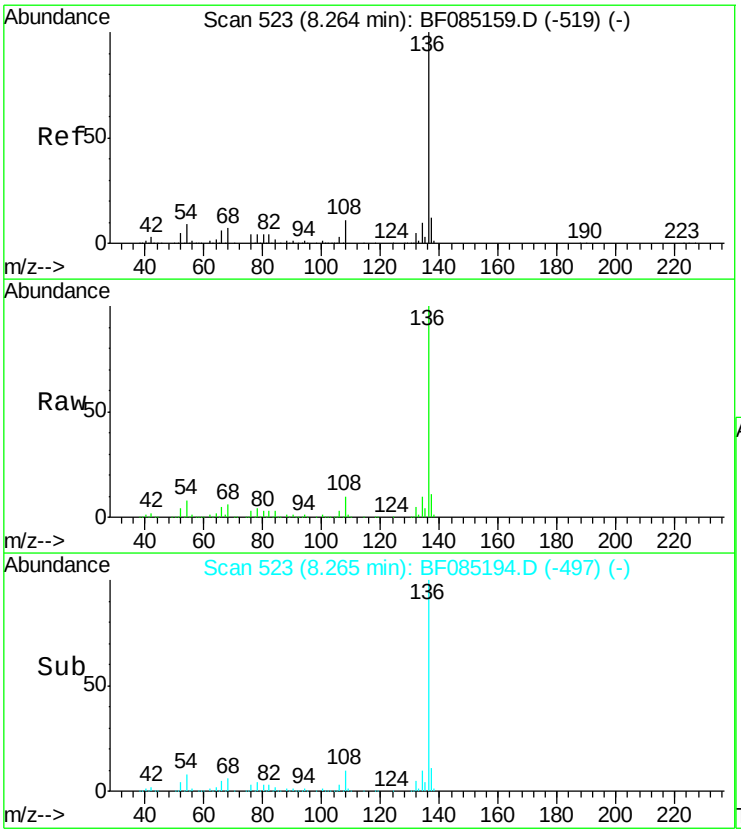
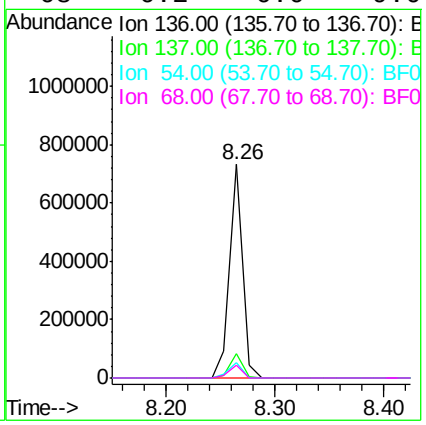
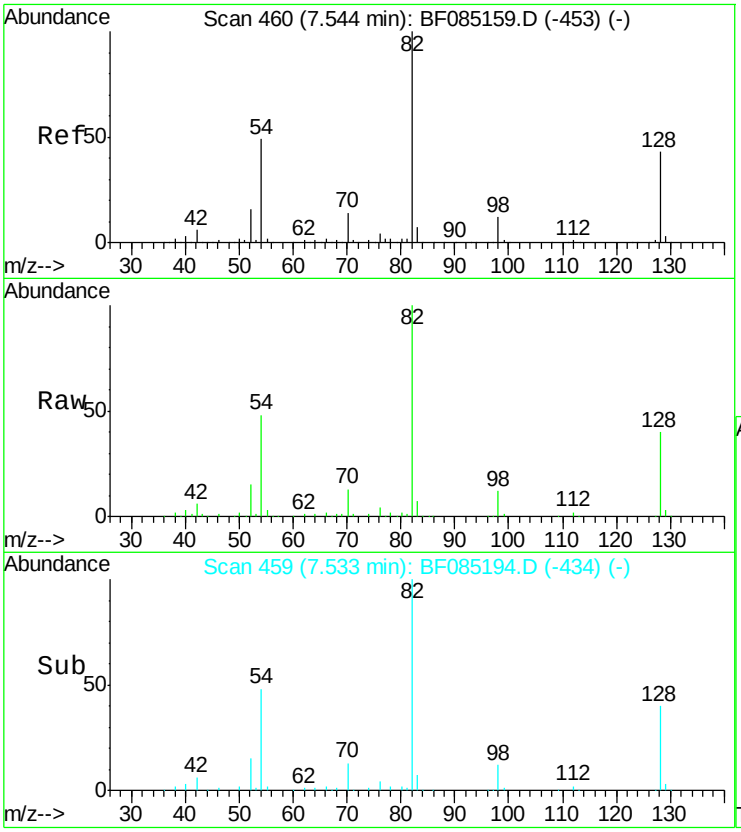


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:136 Resp: 599255

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.3	13.9
54	7.5	7.4	11.2
68	6.2	6.0	9.0

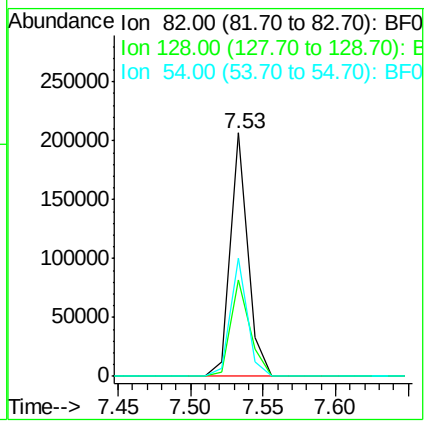




#23
Nitrobenzene-d5
Concen: 15.57 ng
RT: 7.53 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion: 82 Resp: 174356

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.5	51.7
54	48.4	39.3	58.9



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

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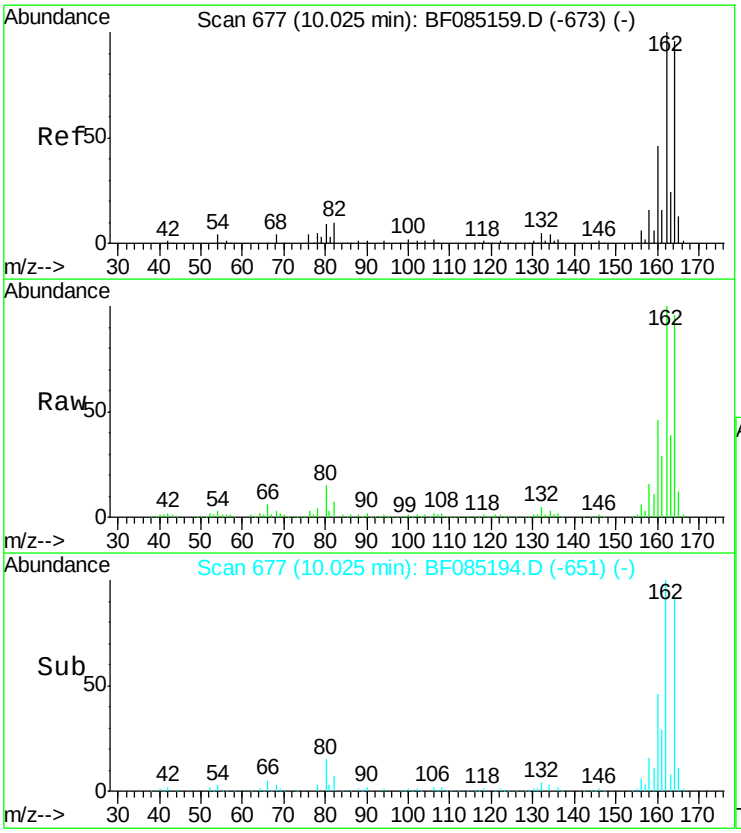
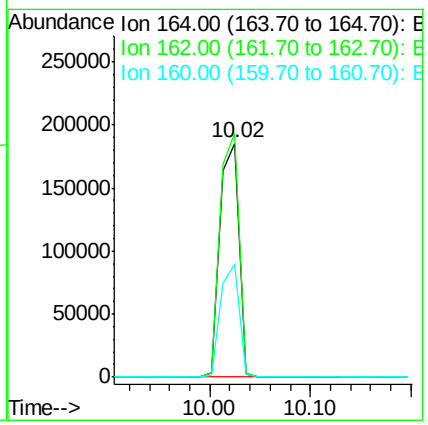
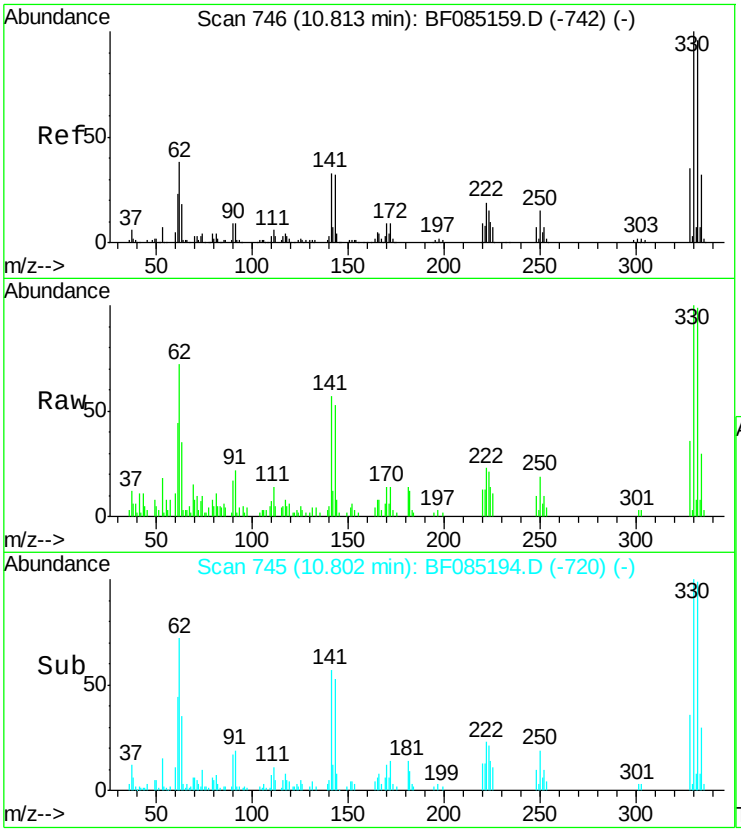


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:164 Resp: 244583

Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.3	124.9
160	48.3	37.9	56.9

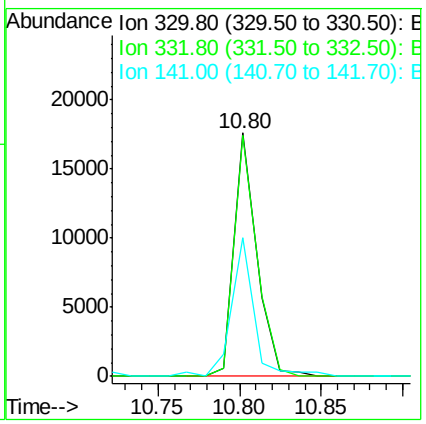




#41
2,4,6-Tribromophenol
Concen: 8.09 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:330 Resp: 16934

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.1	115.7
141	56.4	35.0	52.6#



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

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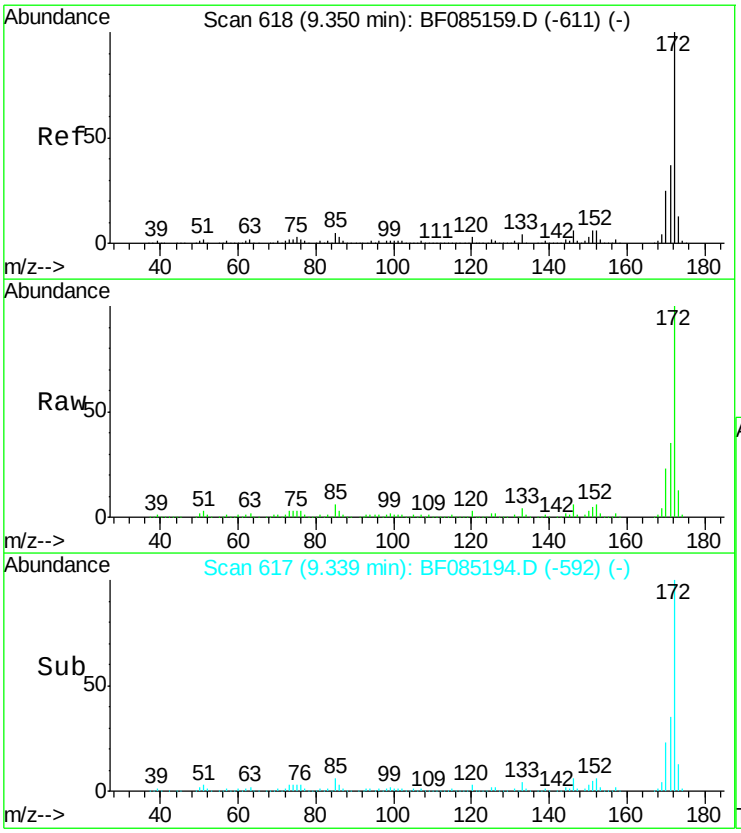
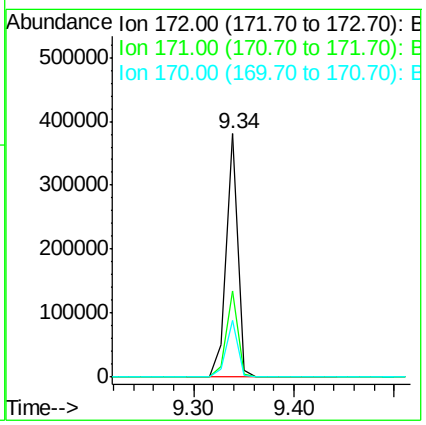
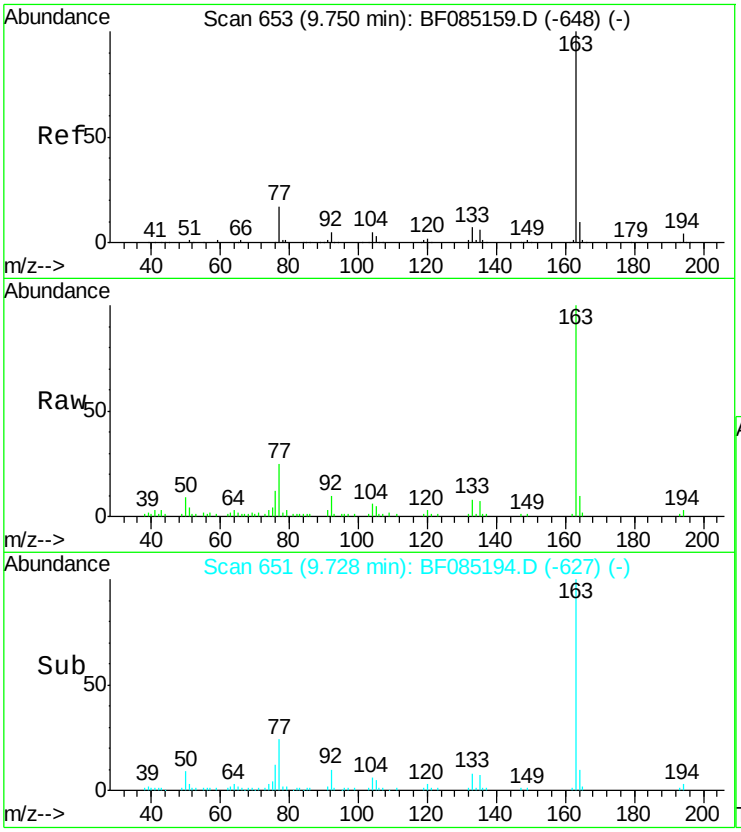


#44
2-Fluorobiphenyl
Concen: 19.09 ng
RT: 9.34 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:172 Resp: 307046

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.3	43.9
170	23.4	20.0	30.0

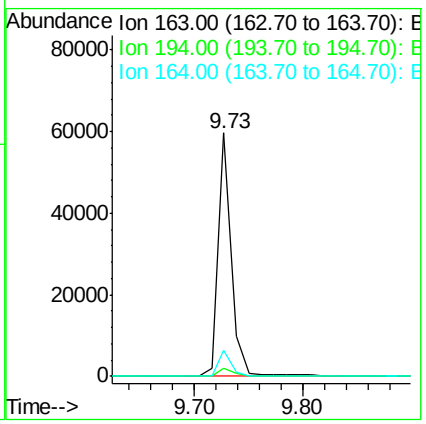




#49
Dimethylphthalate
Concen: 2.71 ng
RT: 9.73 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:163 Resp: 50941

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	10.4	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
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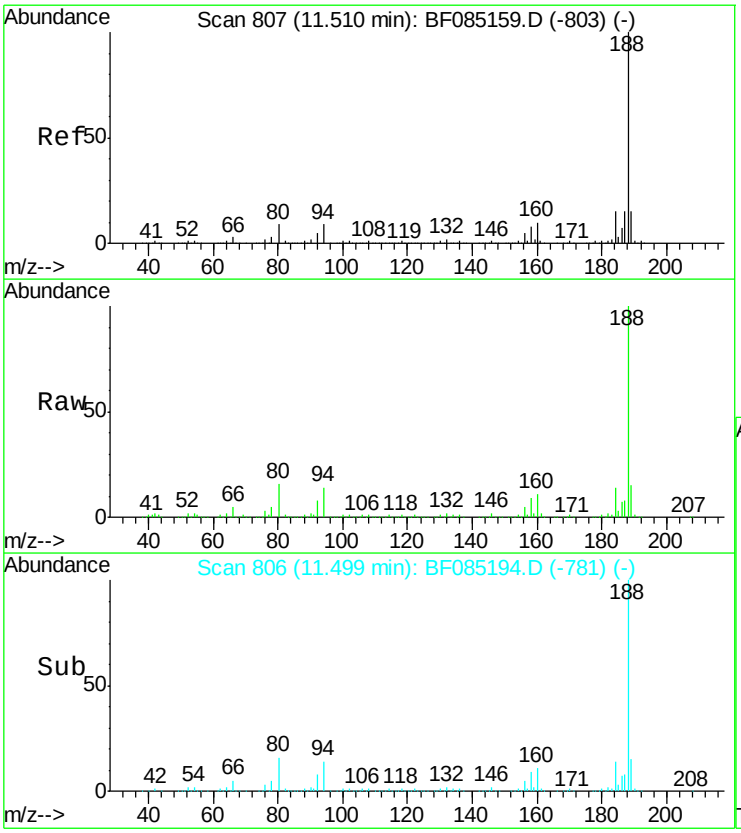
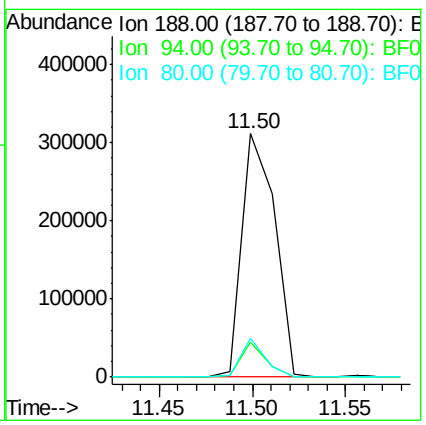
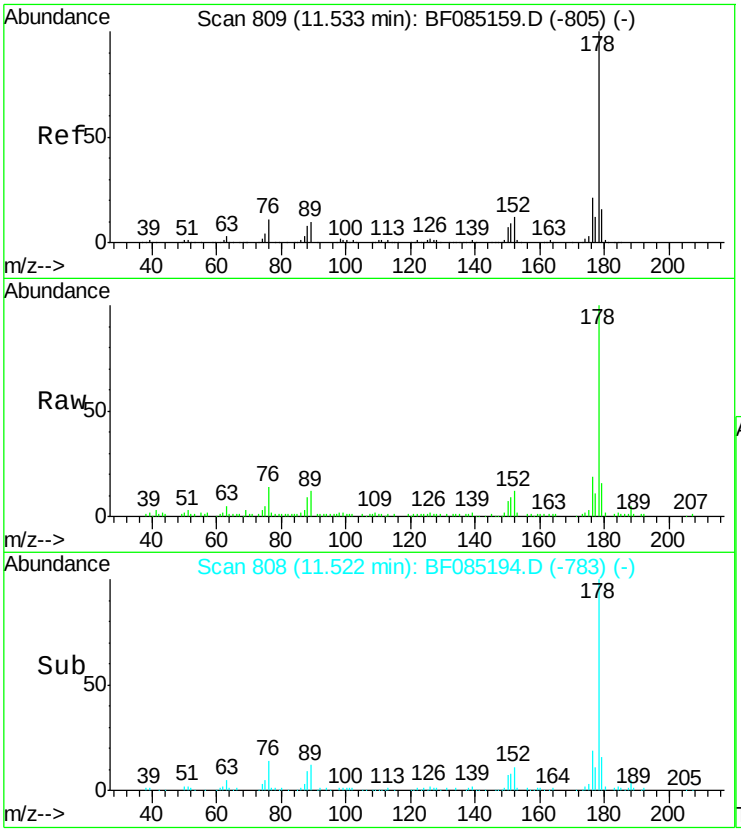


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:188 Resp: 382903

Ion	Ratio	Lower	Upper
188	100		
94	14.1	7.0	10.6#
80	15.7	7.4	11.0#

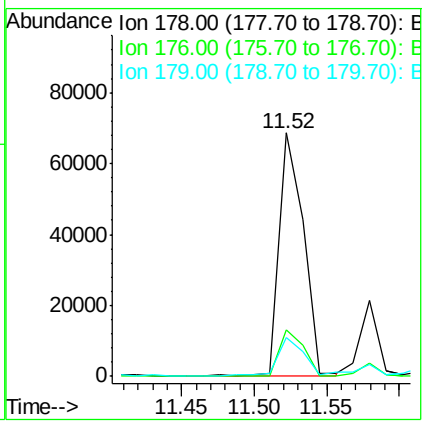




#70
Phenanthrene
Concen: 3.98 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:178 Resp: 79796

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.8	25.2
179	16.1	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
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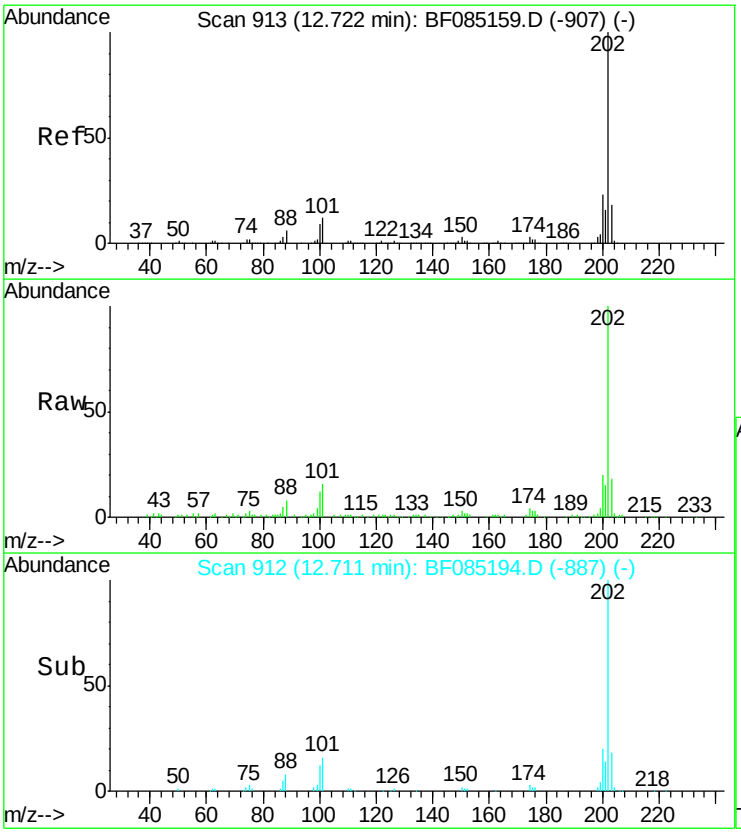
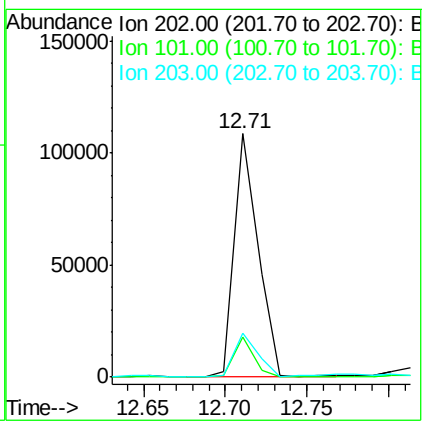
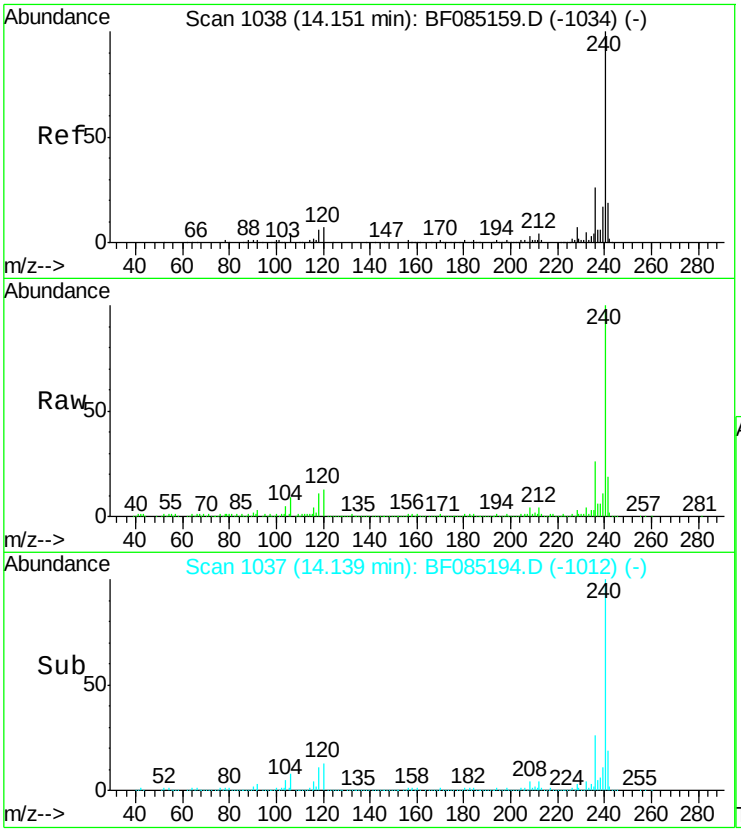


#74
Fluoranthene
Concen: 5.43 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:202 Resp: 109431

Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	31.8
203	18.0	0.0	38.4





#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:240 Resp: 307638

Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.3	7.9#
236	26.0	20.7	31.1

Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
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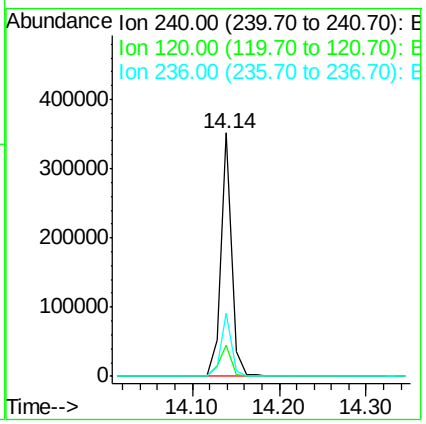
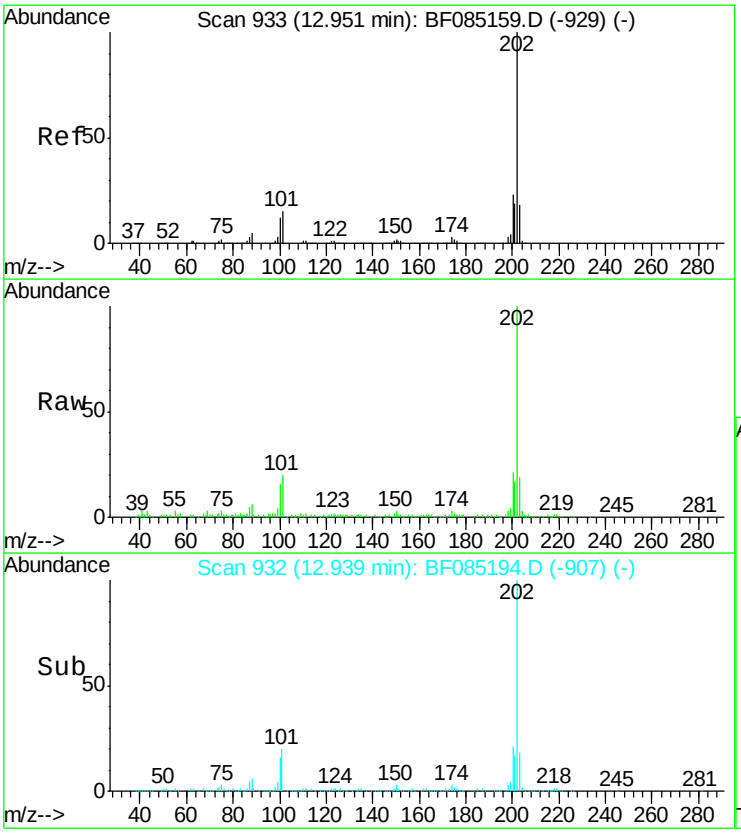
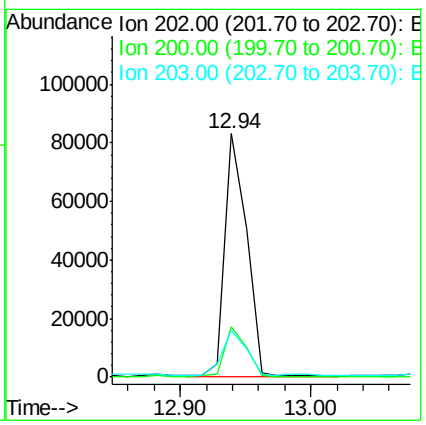


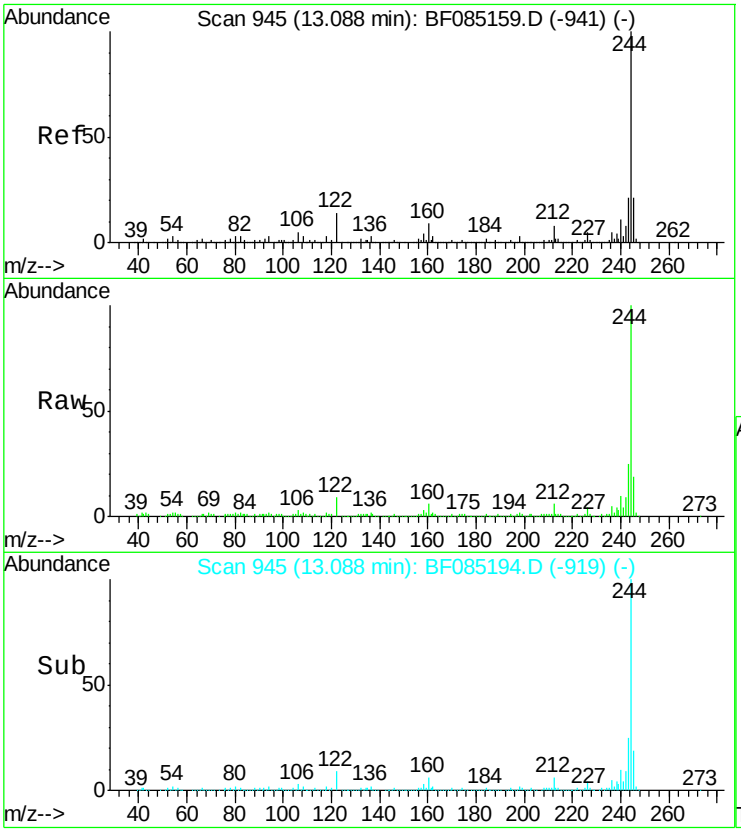


#77
Pyrene
Concen: 4.16 ng
RT: 12.94 min Scan# 932
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:202 Resp: 96283

Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.2	27.4
203	19.0	14.7	22.1

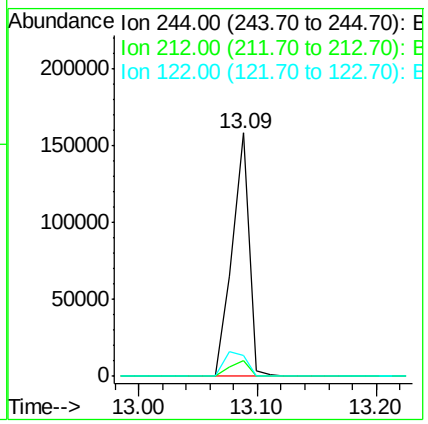




#78
Terphenyl-d14
Concen: 11.90 ng
RT: 13.09 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:244 Resp: 157666

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.4	9.6
122	8.7	11.4	17.2#



Instrument :
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BT-C3(1)3W-20160301

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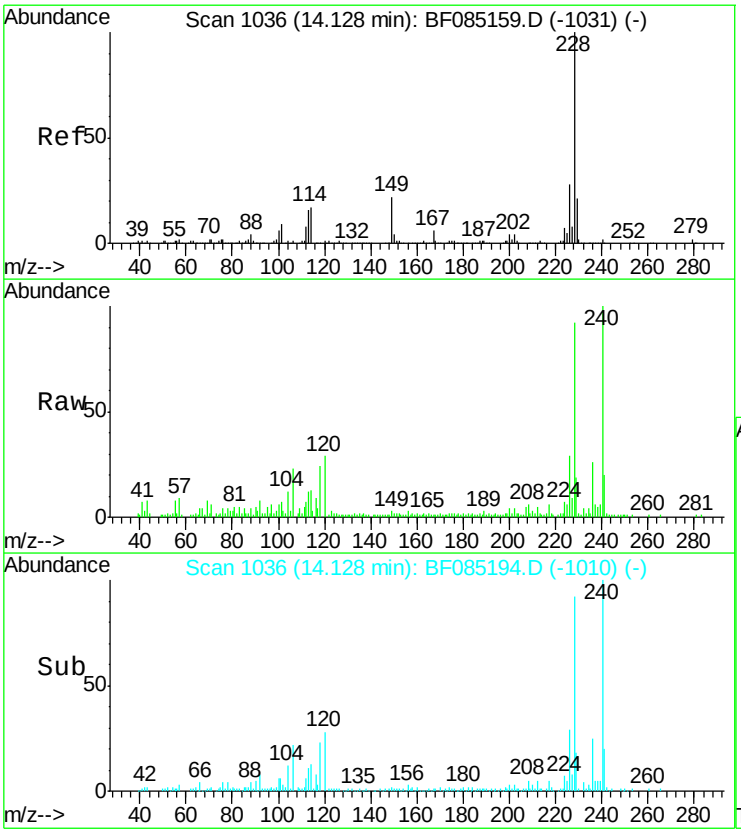
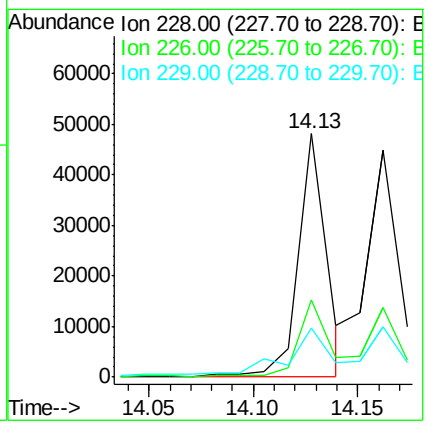
3/4/2016 4:36:26 PM

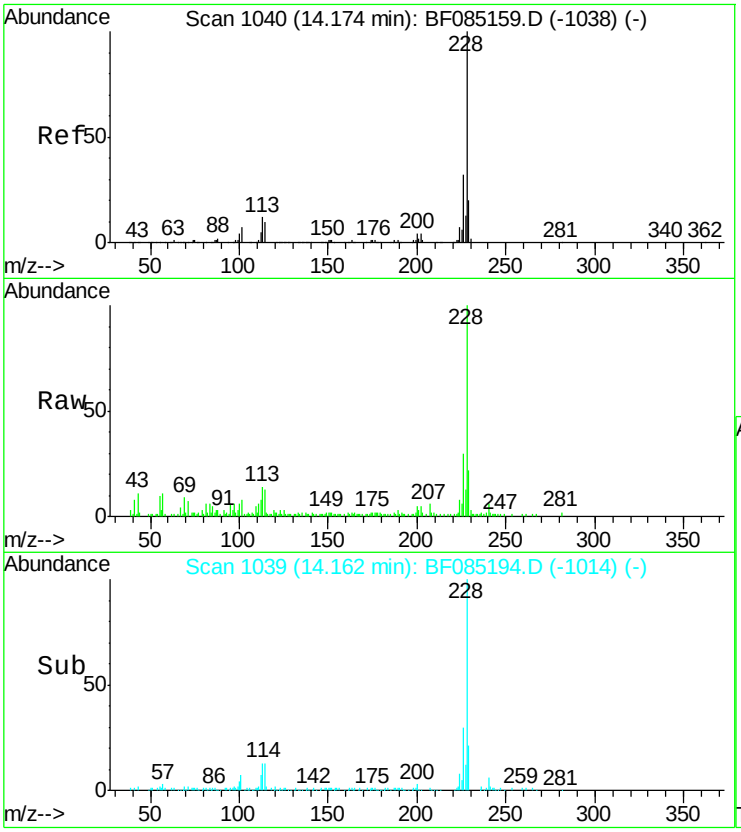


#80
Benzo(a)anthracene
Concen: 2.47 ng m
RT: 14.13 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:228 Resp: 45403

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.8	34.2
229	20.3	16.6	24.8

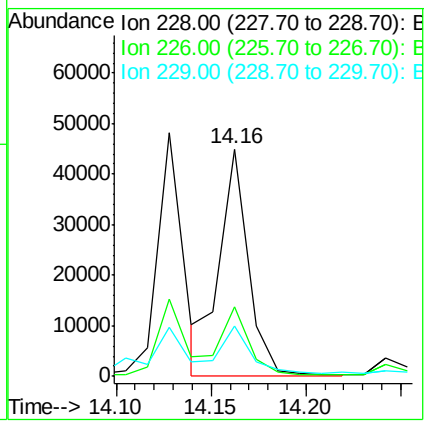




#82
Chrysene
Concen: 2.84 ng m
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

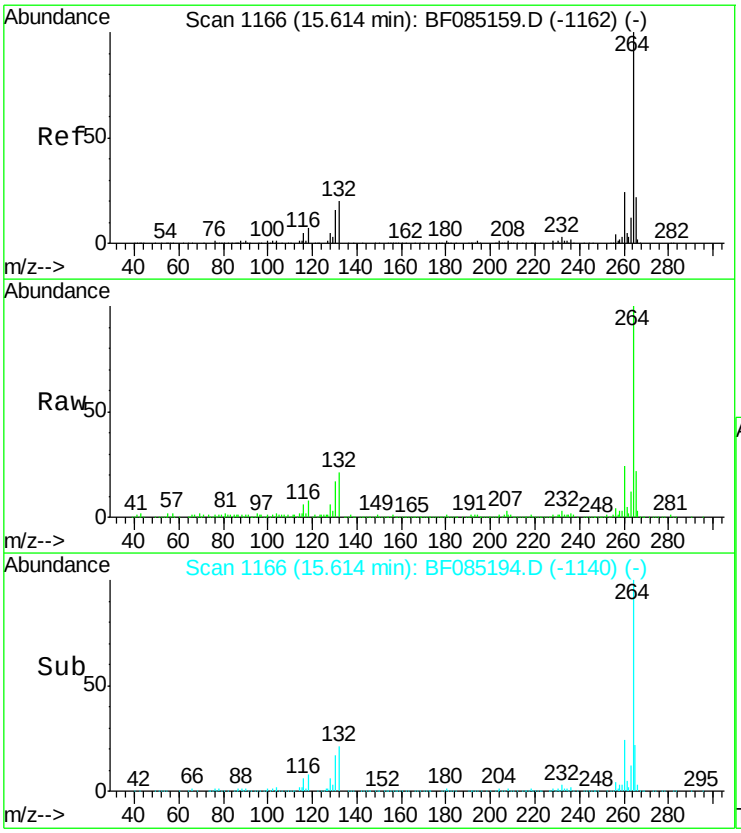
Tgt Ion:228 Resp: 48259

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.2	37.8
229	22.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

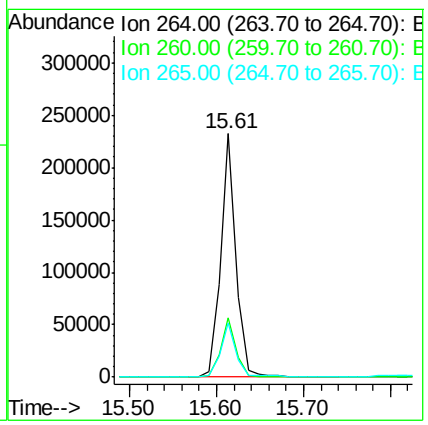
Manual Integrations APPROVED
Sohil
3/4/2016 4:36:26 PM

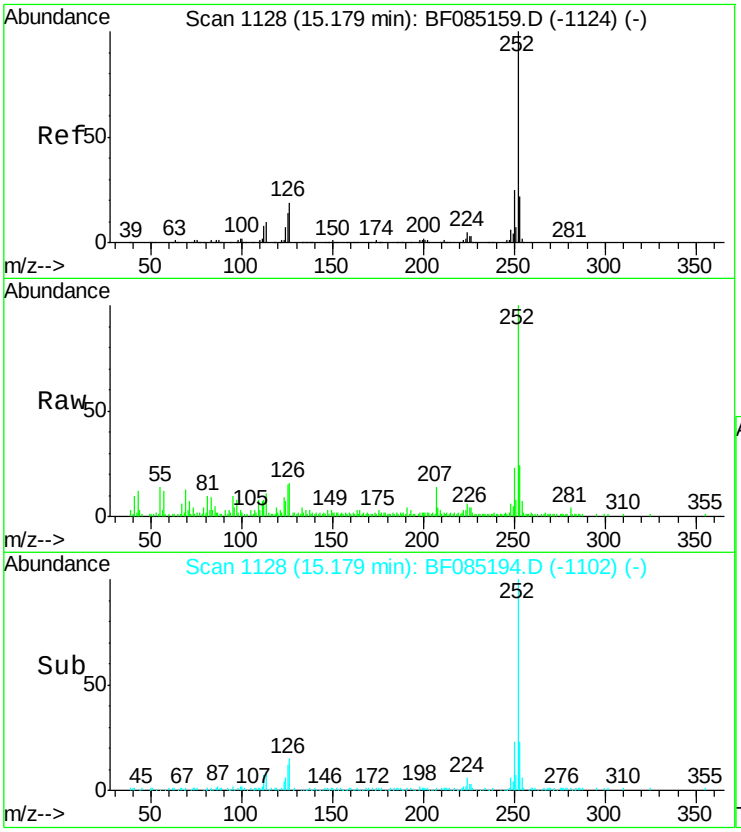


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:264 Resp: 286999

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.3	25.9





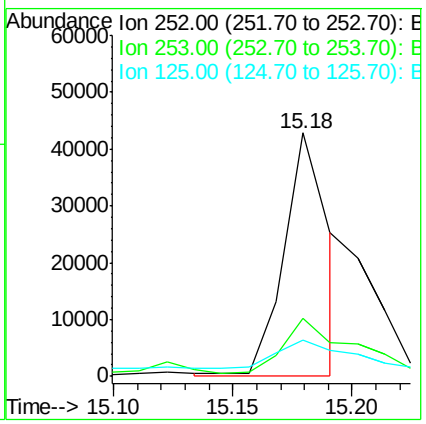
#87
Benzo(b)fluoranthene
Concen: 2.96 ng m
RT: 15.18 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

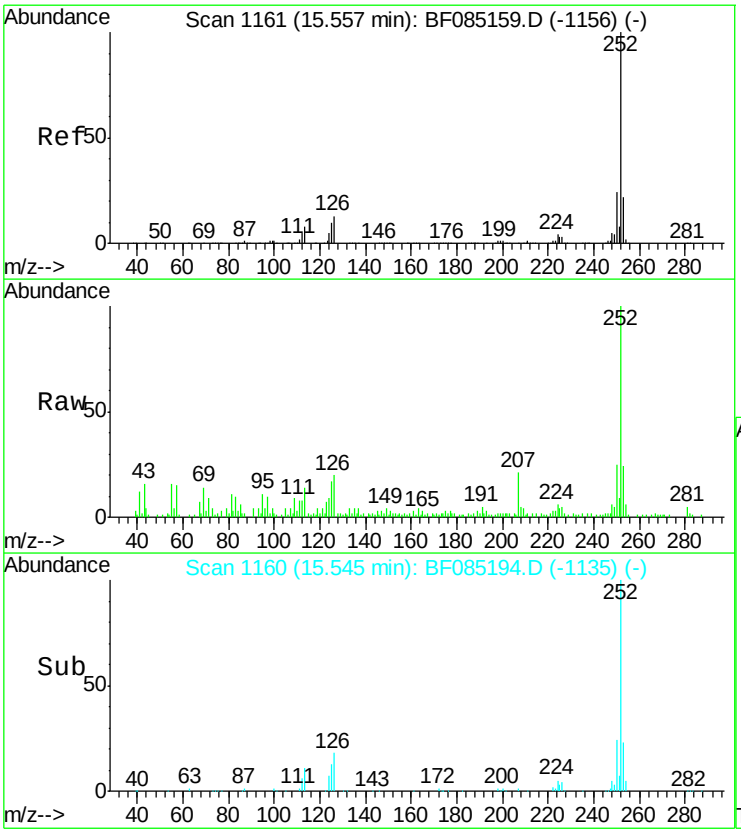
Tgt Ion:252 Resp: 56535

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	14.9	11.3	16.9

Instrument :
BNA_F
ClientSampleId :
BT-C3(1)3W-20160301

Manual Integrations APPROVED
Sohil
3/4/2016 4:36:26 PM





#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF085194.D
Acq: 4 Mar 2016 8:50

Tgt Ion:252 Resp: 40271

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	17.4	8.2	12.4#