Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
Data File : BF086339.D
Acq On : 21 Apr 2016 5:46
Operator : UM/SJ
Sample : H2620-07
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

Manual Integrations APPROVED
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Quant Time: Apr 21 07:26:26 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 15:45:26 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	235934	20.00	ng		-0.03
21) Naphthalene-d8	8.16	136	866600	20.00	ng		-0.02
38) Acenaphthene-d10	9.90	164	316783	20.00	ng		-0.03
63) Phenanthrene-d10	11.39	188	524861	20.00	ng		-0.02
75) Chrysene-d12	14.03	240	384200	20.00	ng		-0.02
86) Perylene-d12	15.46	264	253583	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	1492960	110.40	ng		-0.01
7) Phenol-d6	6.51	99	2008052	113.48	ng		-0.01
23) Nitrobenzene-d5	7.44	82	1185932	78.37	ng		-0.02
41) 2,4,6-Tribromophenol	10.69	330	269347	109.09	ng		-0.03
44) 2-Fluorobiphenyl	9.23	172	1468757	89.73	ng		-0.03
78) Terphenyl-d14	12.98	244	998922	61.89	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	9.62	163	266615	11.05	ng		100
70) Phenanthrene	11.41	178	63448	2.55	ng		98
74) Fluoranthene	12.60	202	135198	5.86	ng		94
77) Pyrene	12.83	202	123589	4.34	ng		98
80) Benzo(a)anthracene	14.02	228	55322	2.73	ng	#	90
82) Chrysene	14.05	228	54825m	2.51	ng		
87) Benzo(b)fluoranthene	15.05	252	49073m	3.35	ng		
89) Benzo(a)pyrene	15.40	252	36908	2.73	ng	#	67

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

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Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

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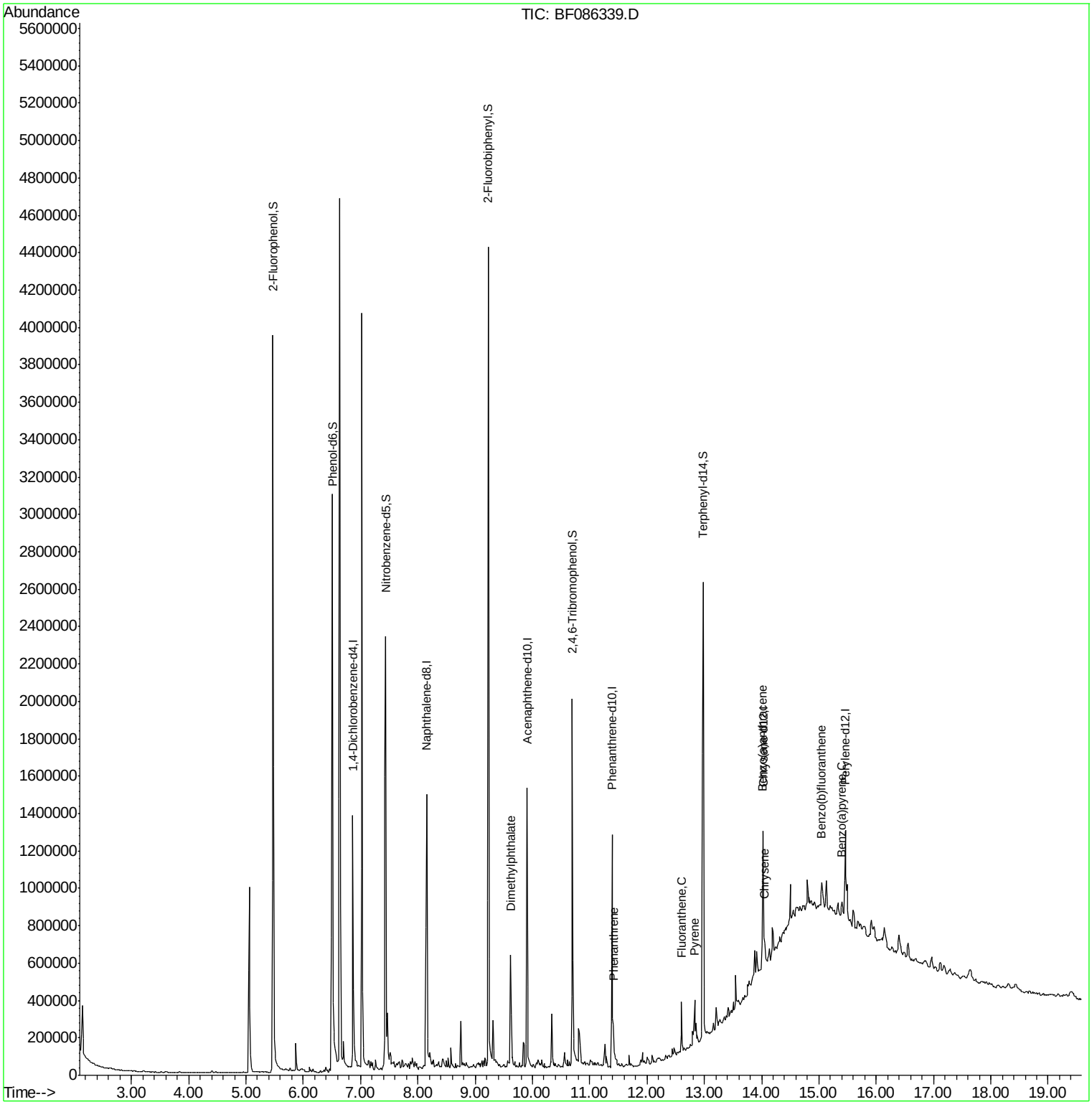
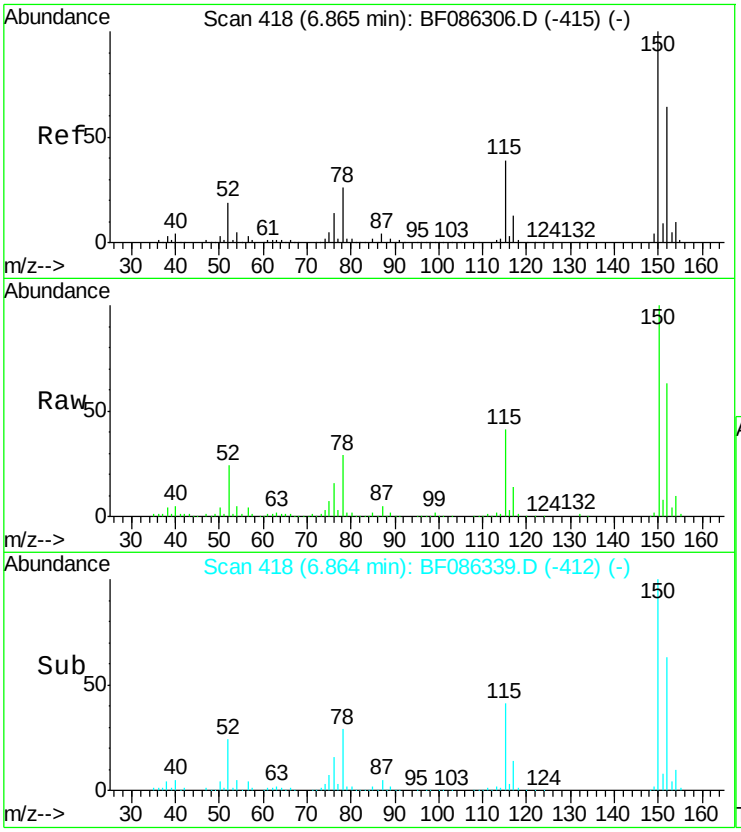
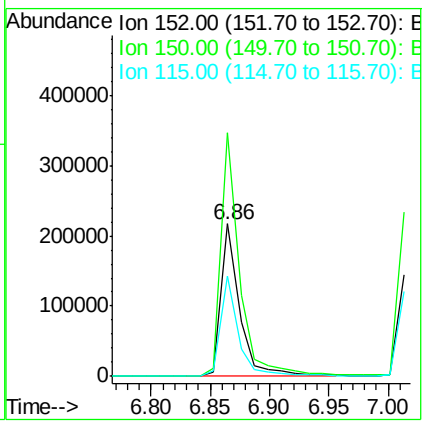




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:152 Resp: 235934

Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.1	186.1
115	66.0	43.9	65.9#



Instrument :
BNA_F
ClientSampleId :
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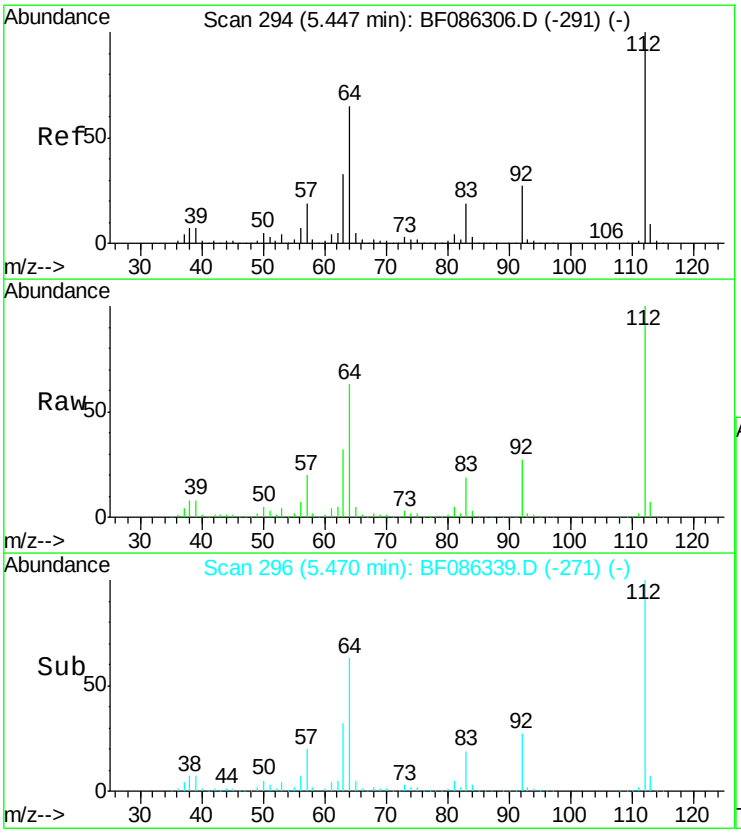
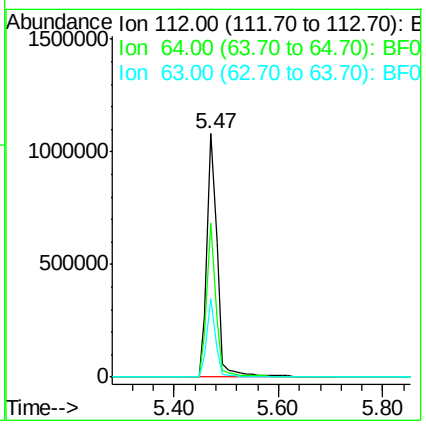
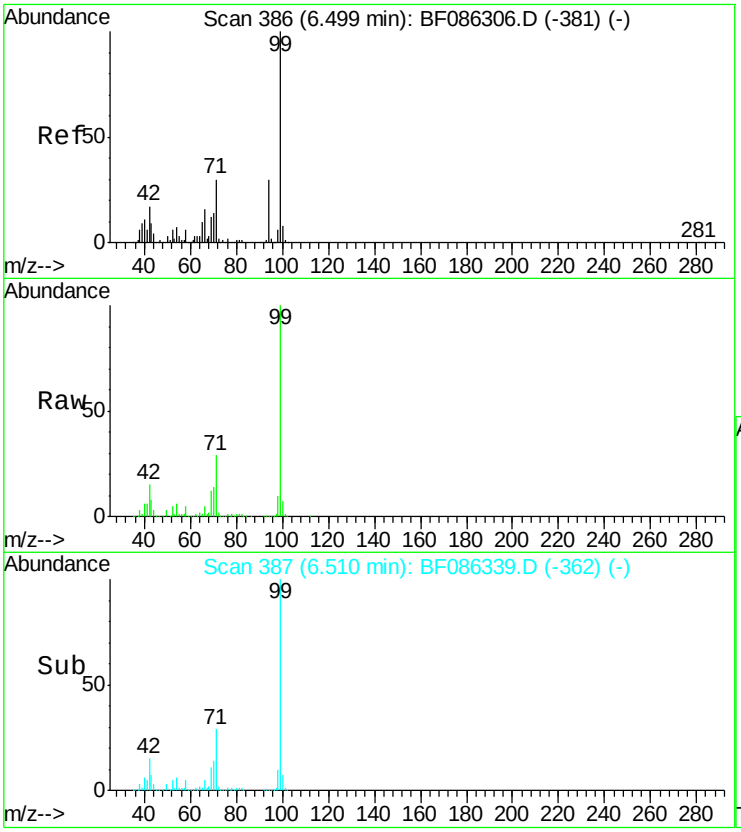


#5
2-Fluorophenol
Concen: 110.40 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:112 Resp: 1492960

Ion	Ratio	Lower	Upper
112	100		
64	63.2	48.1	72.1
63	32.4	25.5	38.3

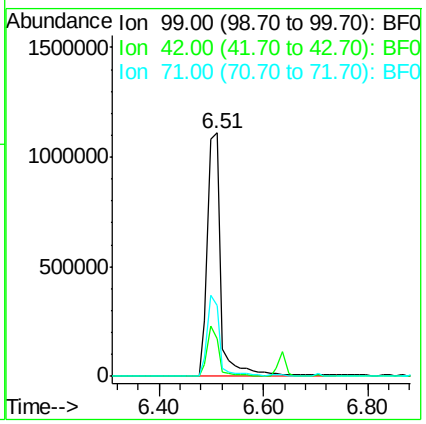




#7
Phenol-d6
Concen: 113.48 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.01 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion: 99 Resp: 2008052

Ion	Ratio	Lower	Upper
99	100		
42	15.2	15.4	23.2#
71	29.2	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

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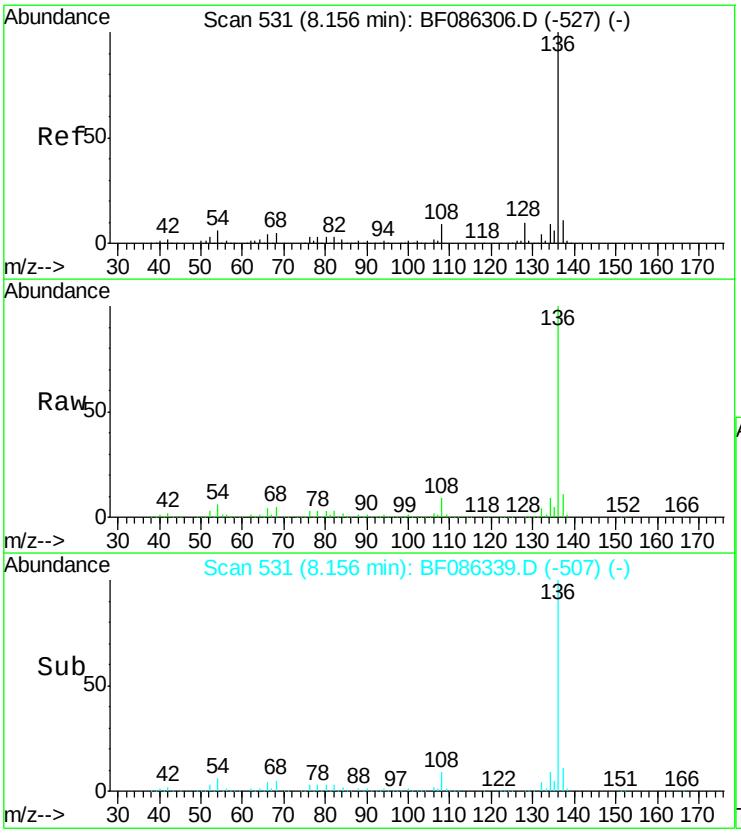
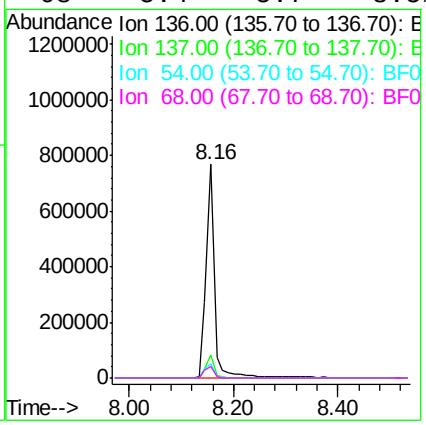
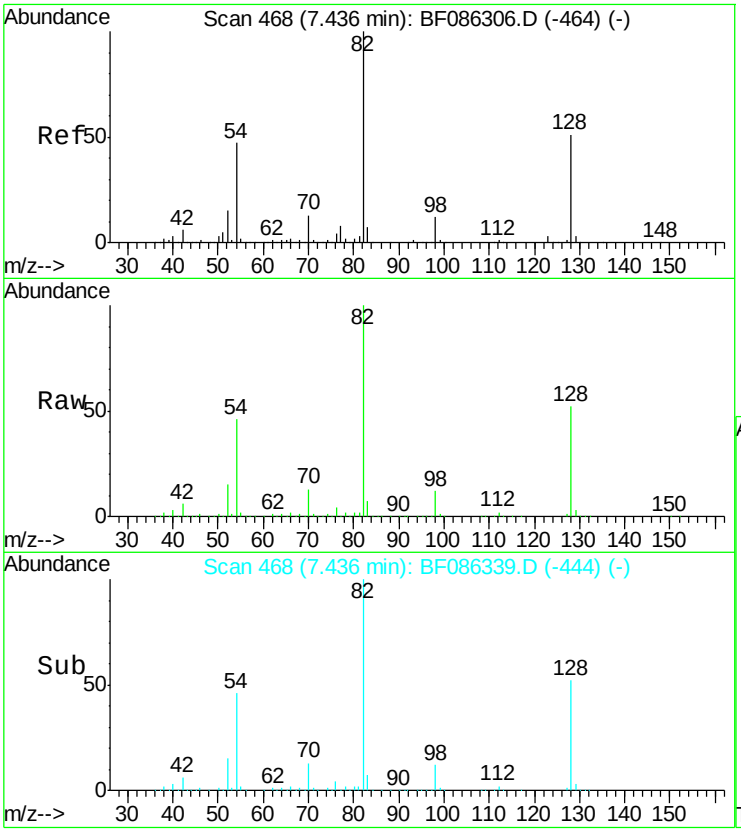


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:136 Resp: 866600

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.4	7.3	10.9#
68	5.4	5.7	8.5#

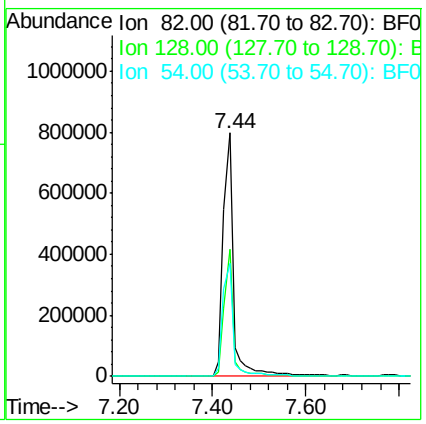




#23
Nitrobenzene-d5
Concen: 78.37 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion: 82 Resp: 1185932

Ion	Ratio	Lower	Upper
82	100		
128	52.4	35.4	53.2
54	46.5	43.4	65.0



Instrument :
BNA_F
ClientSampleId :
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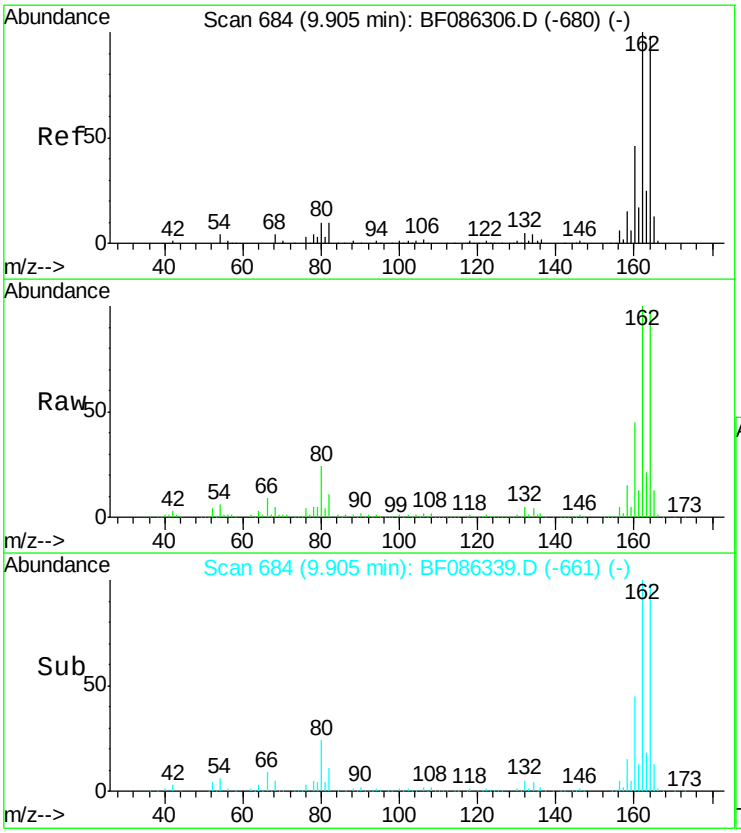
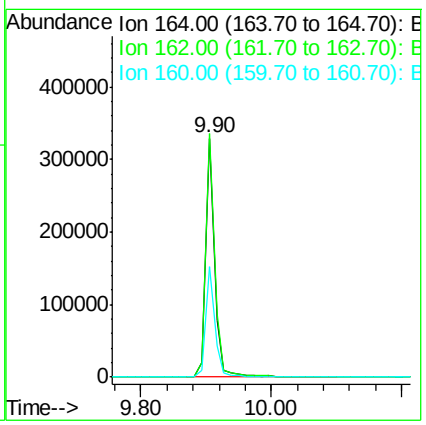
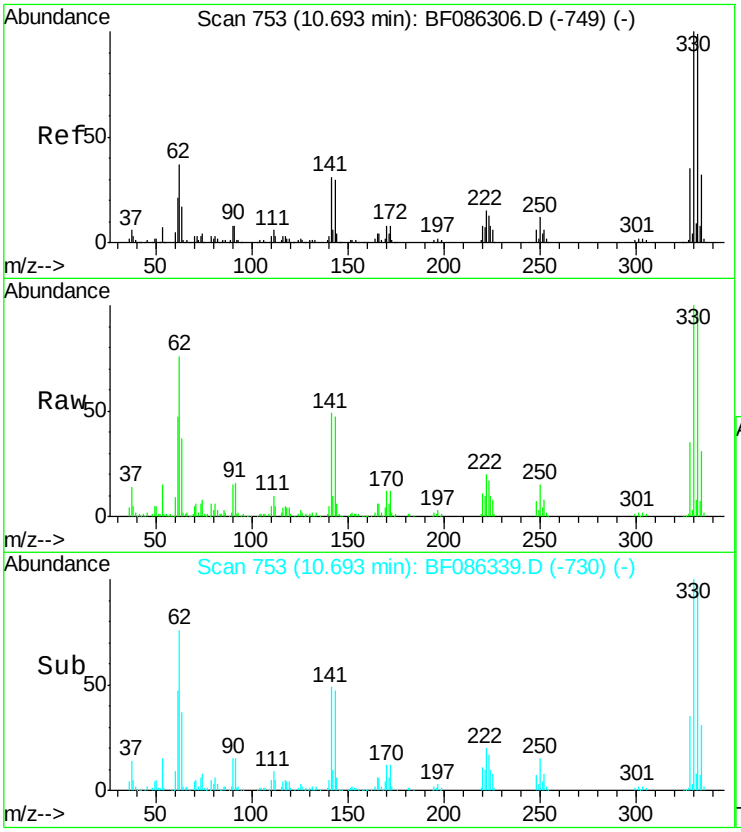


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:164 Resp: 316783

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.8	124.2
160	46.0	38.9	58.3

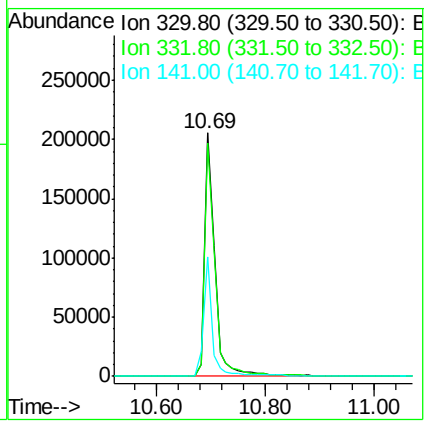




#41
2,4,6-Tribromophenol
Concen: 109.09 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.03 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:330 Resp: 269347

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.7	118.1
141	40.6	28.6	42.8



Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

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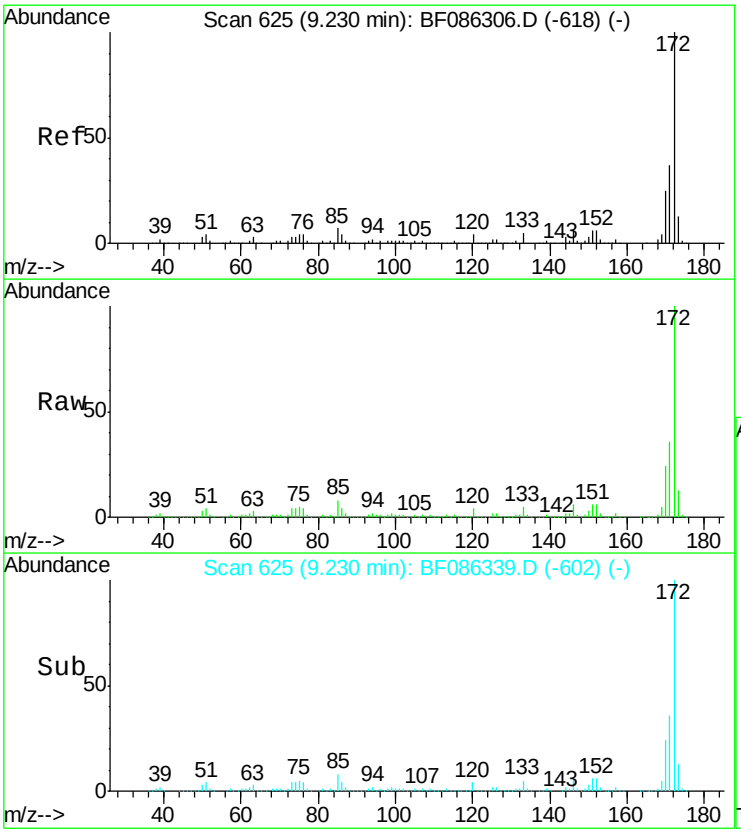
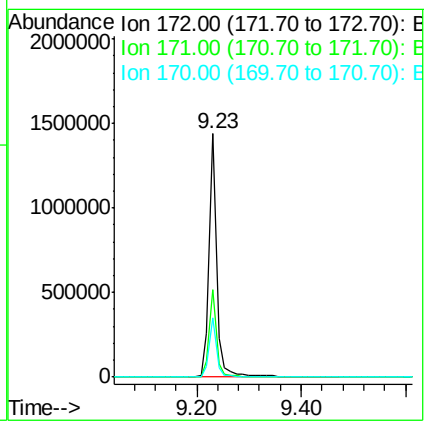
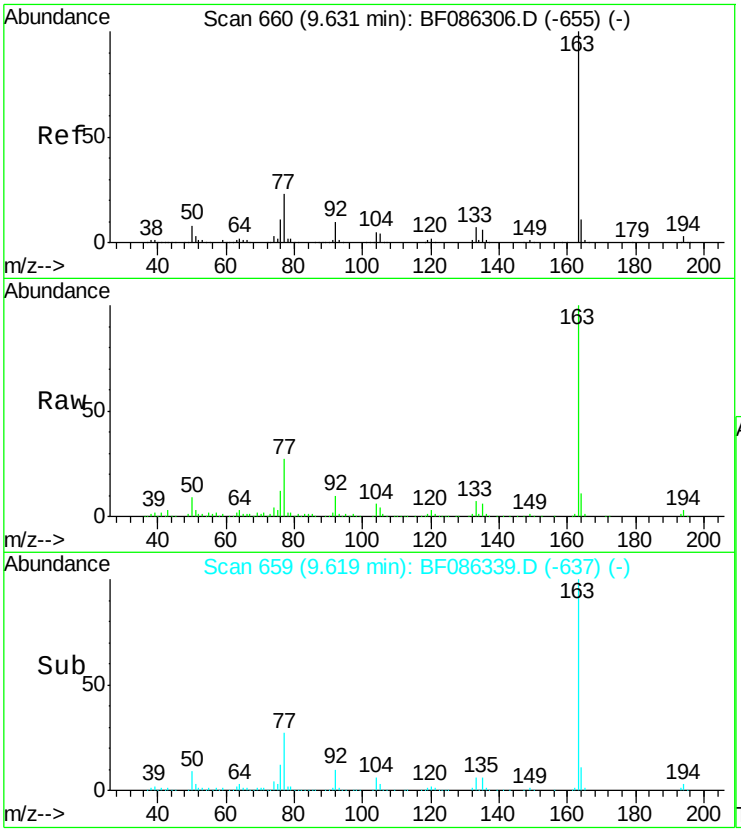


#44
2-Fluorobiphenyl
Concen: 89.73 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.03 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:172 Resp: 1468757

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.1	43.7
170	24.5	19.9	29.9

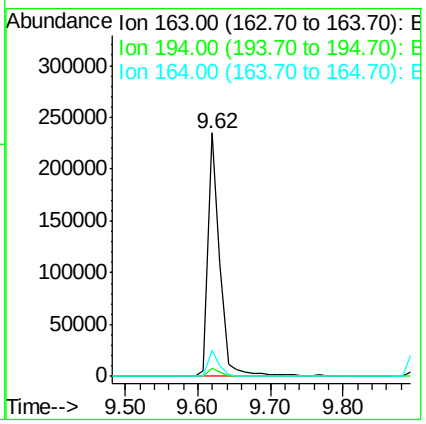




#49
Dimethylphthalate
Concen: 11.05 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:163 Resp: 266615

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.6	8.4	12.6



Instrument :
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ClientSampleId :
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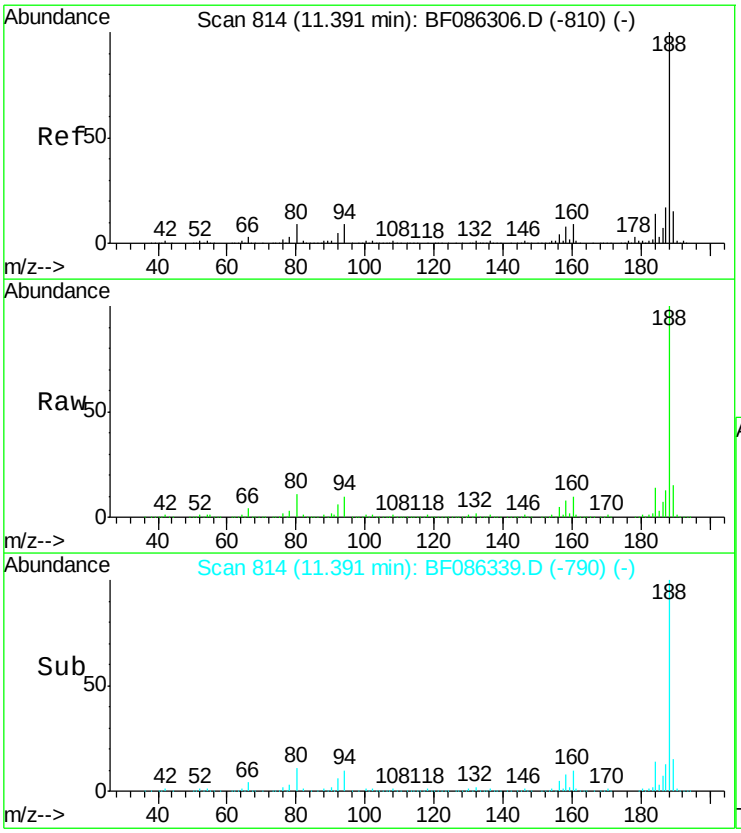
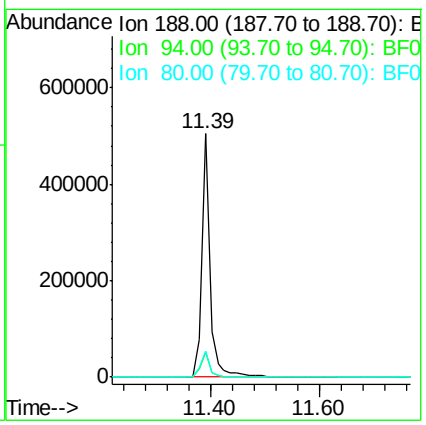
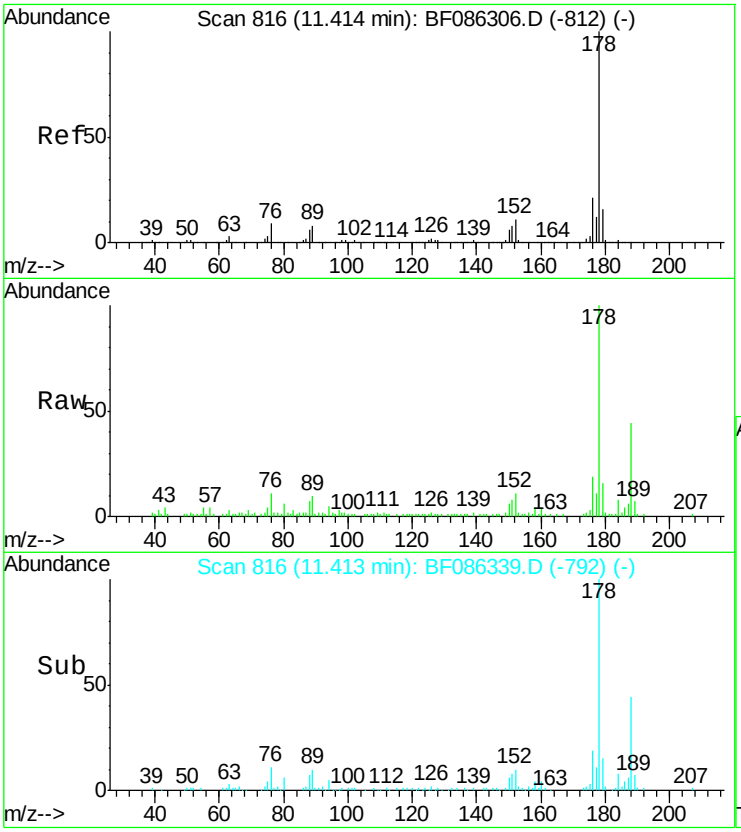


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:188 Resp: 524861

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.8	14.8
80	10.9	10.5	15.7

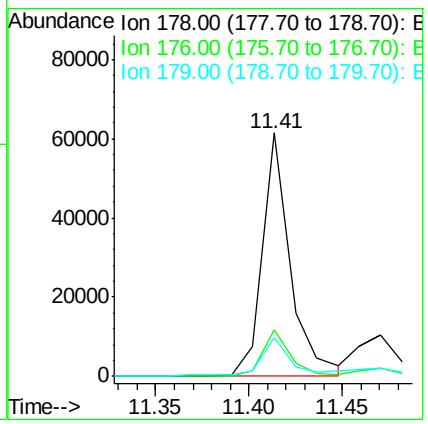




#70
Phenanthrene
Concen: 2.55 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:178 Resp: 63448

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	16.1	13.0	19.6



Instrument :
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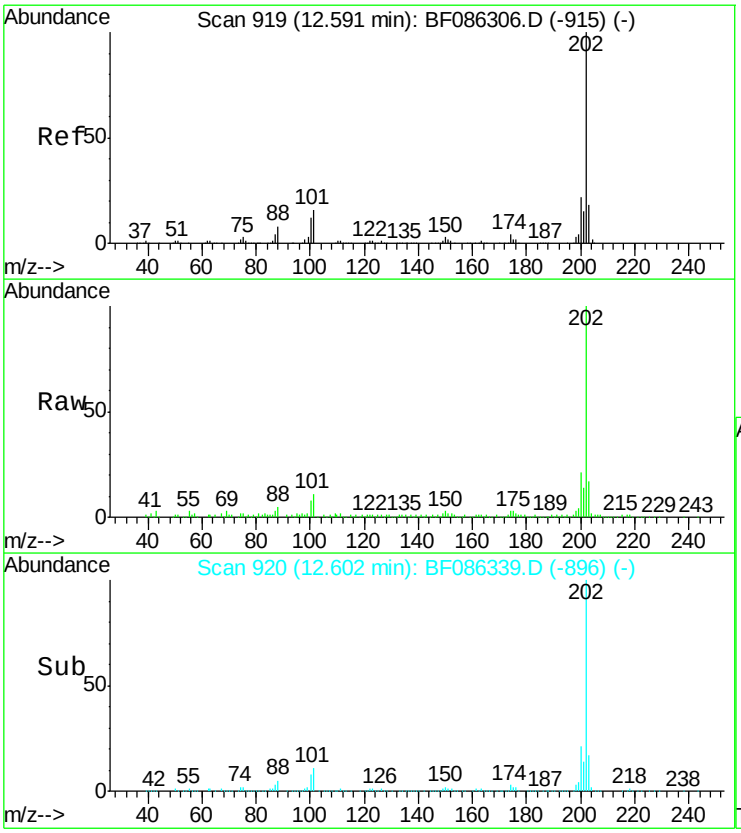
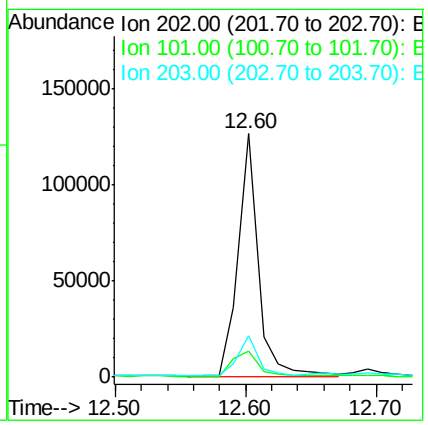
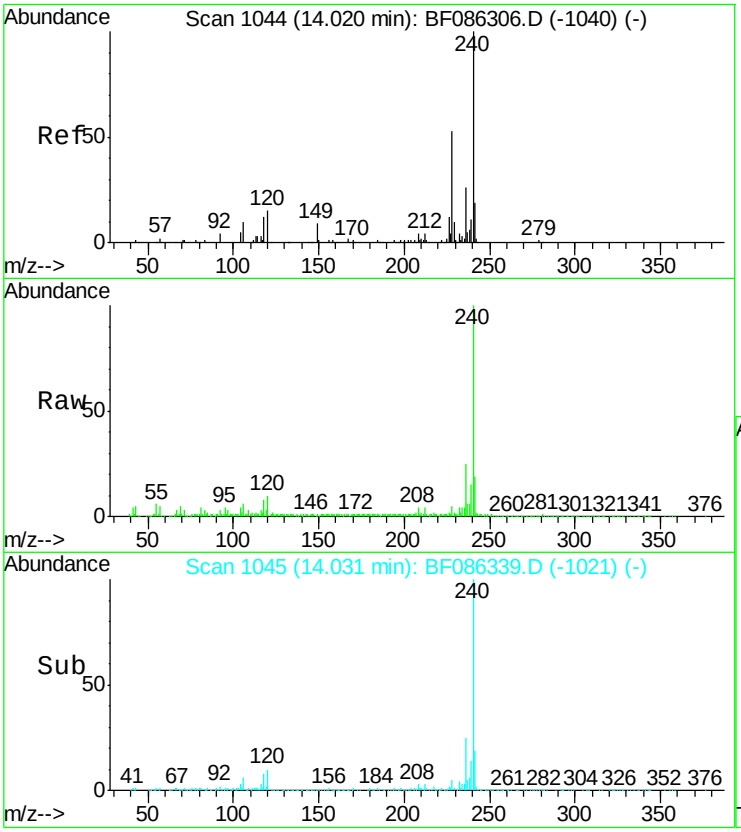


#74
Fluoranthene
Concen: 5.86 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:202 Resp: 135198

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	35.2
203	17.0	0.0	38.2

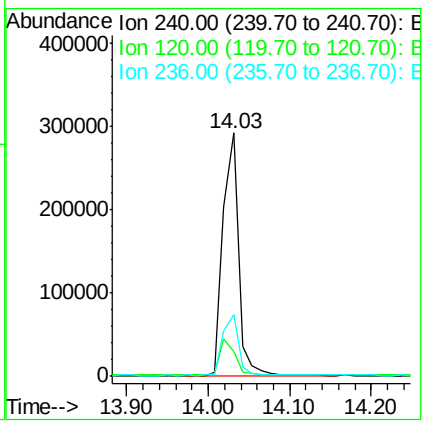




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:240 Resp: 384200

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.3	13.9
236	25.4	21.1	31.7



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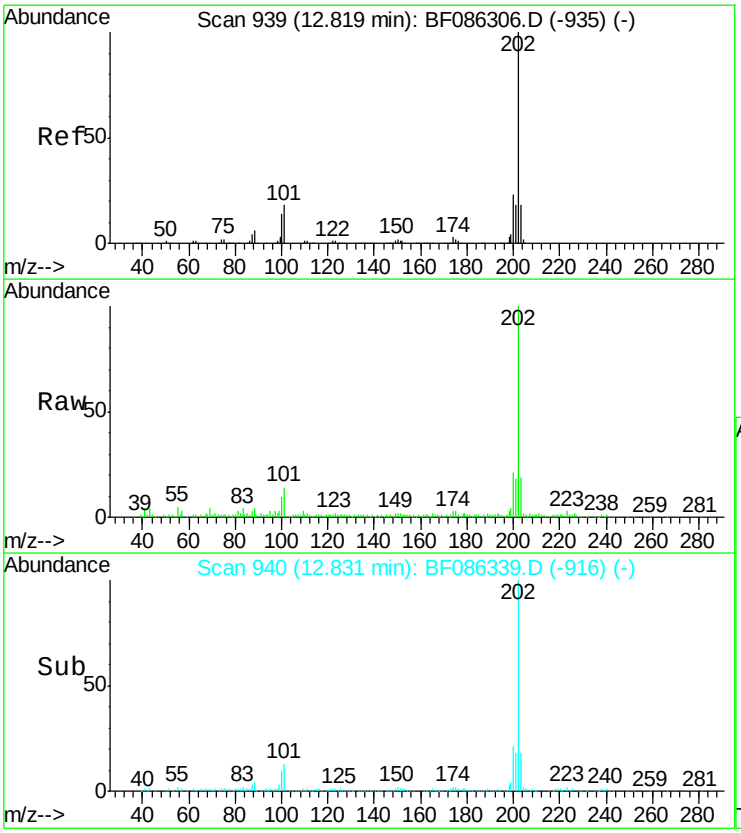
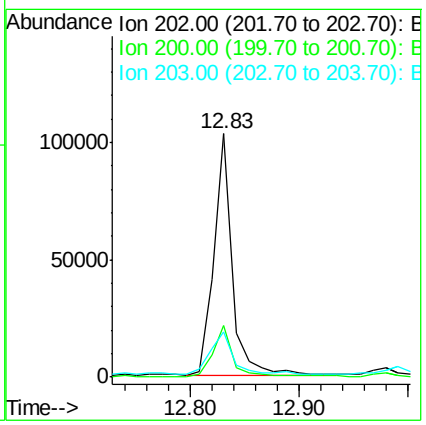
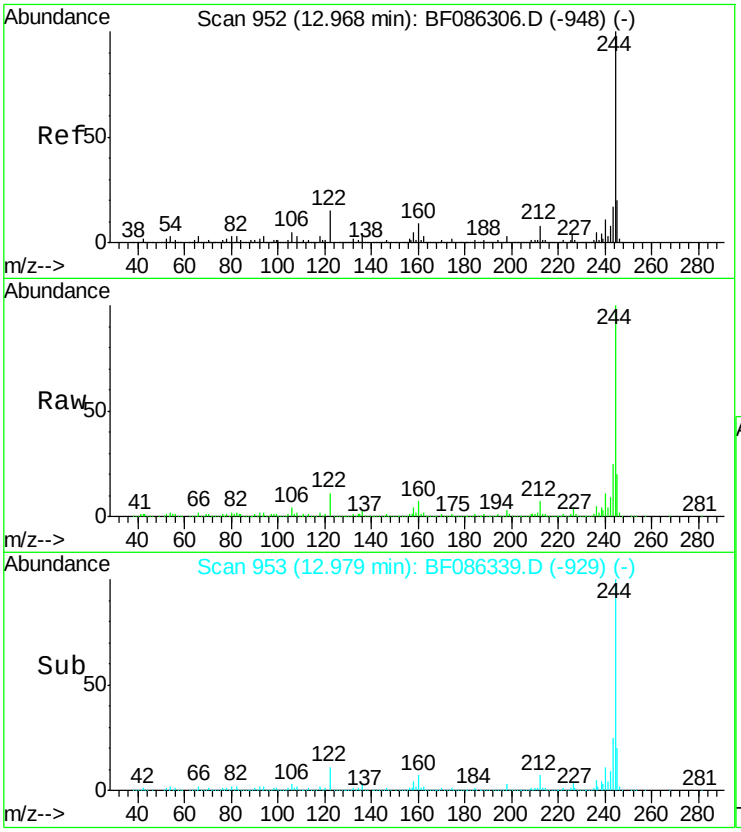


#77
Pyrene
Concen: 4.34 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:202 Resp: 123589

Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.3	27.5
203	18.6	14.9	22.3

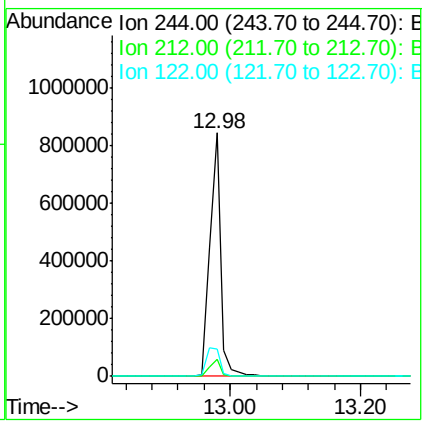




#78
Terphenyl-d14
Concen: 61.89 ng
RT: 12.98 min Scan# 953
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:244 Resp: 998922

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	11.2	11.7	17.5#



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ClientSampleId :
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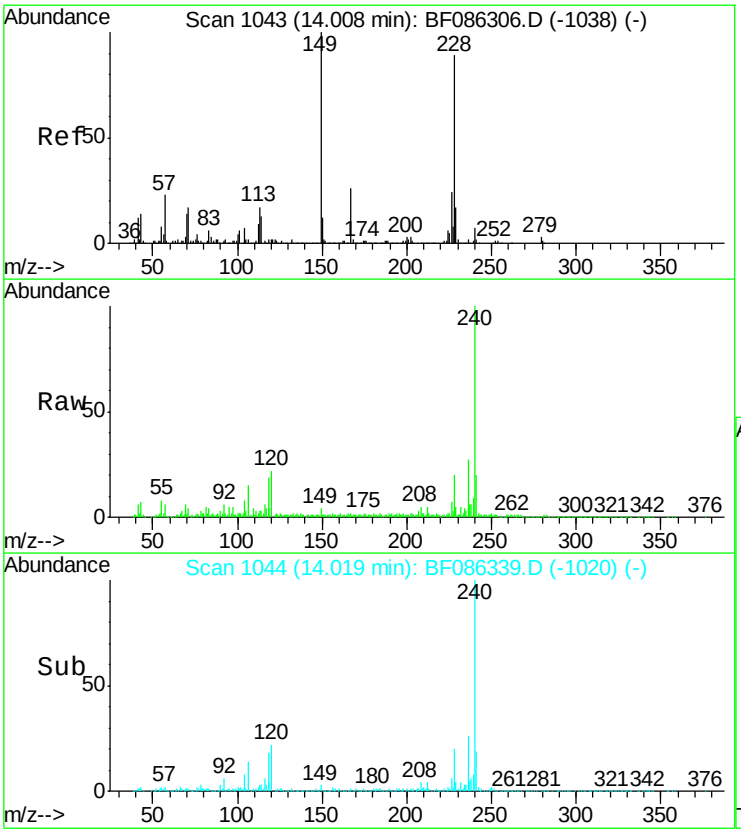
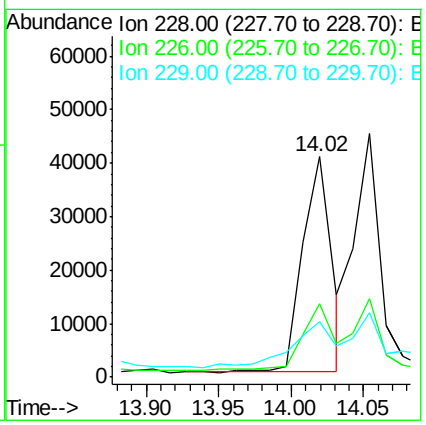
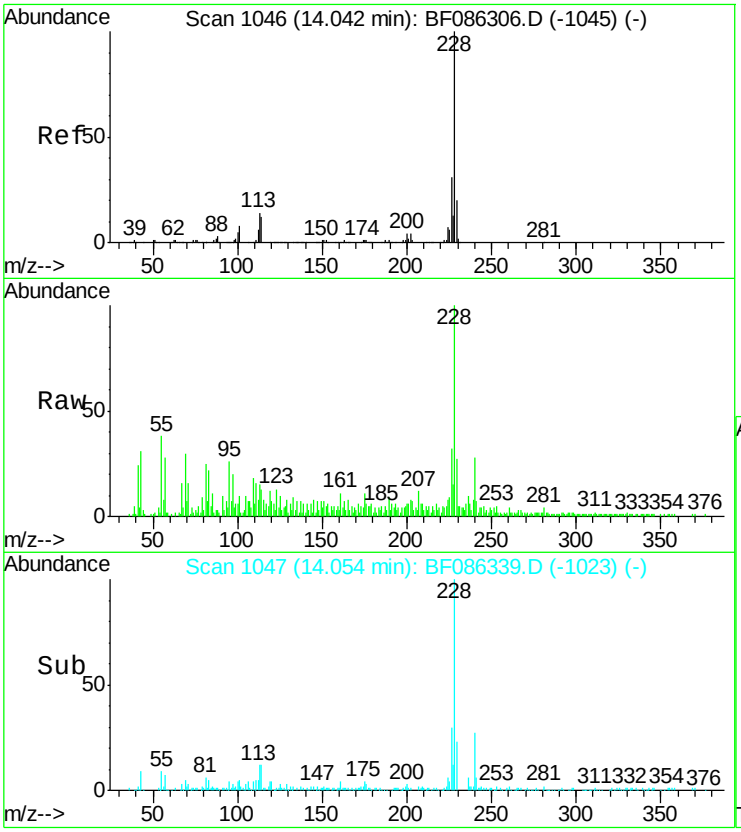


#80
Benzo(a)anthracene
Concen: 2.73 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:228 Resp: 55322

Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.5	33.7
229	25.1	16.2	24.2#





#82
Chrysene
Concen: 2.51 ng m
RT: 14.05 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:228 Resp: 54825

Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.4	38.2
229	26.6	16.5	24.7#

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

Manual Integrations APPROVED
sohil
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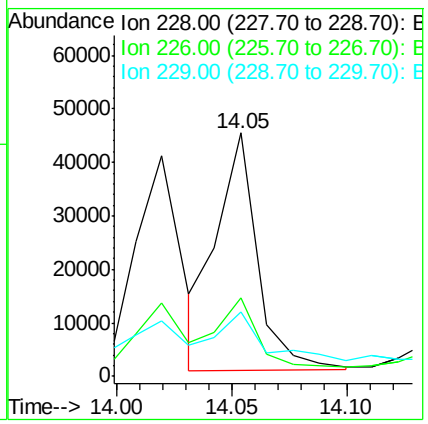
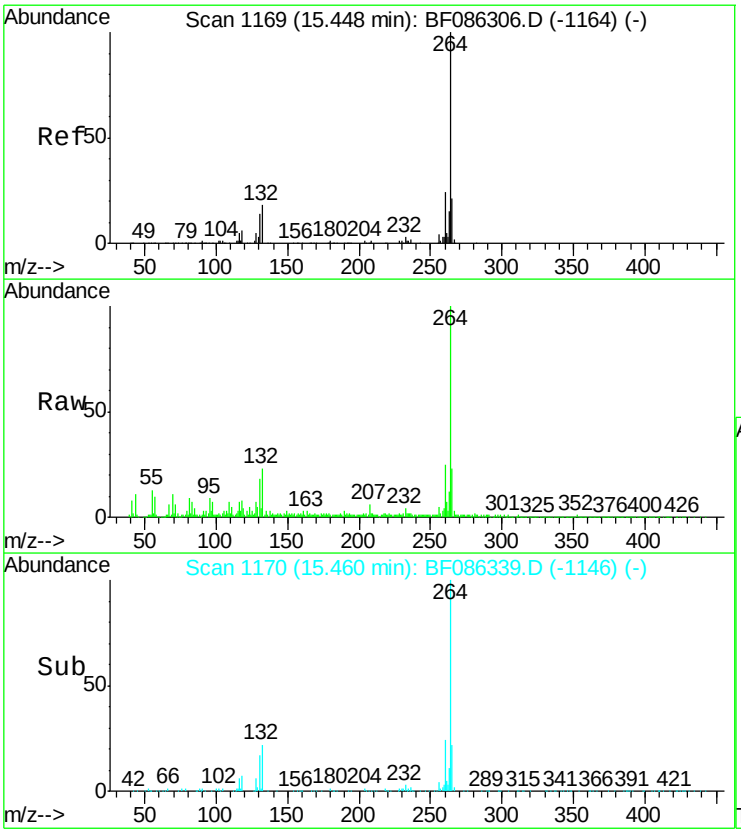
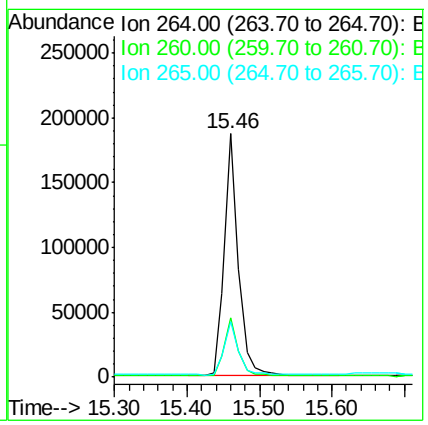


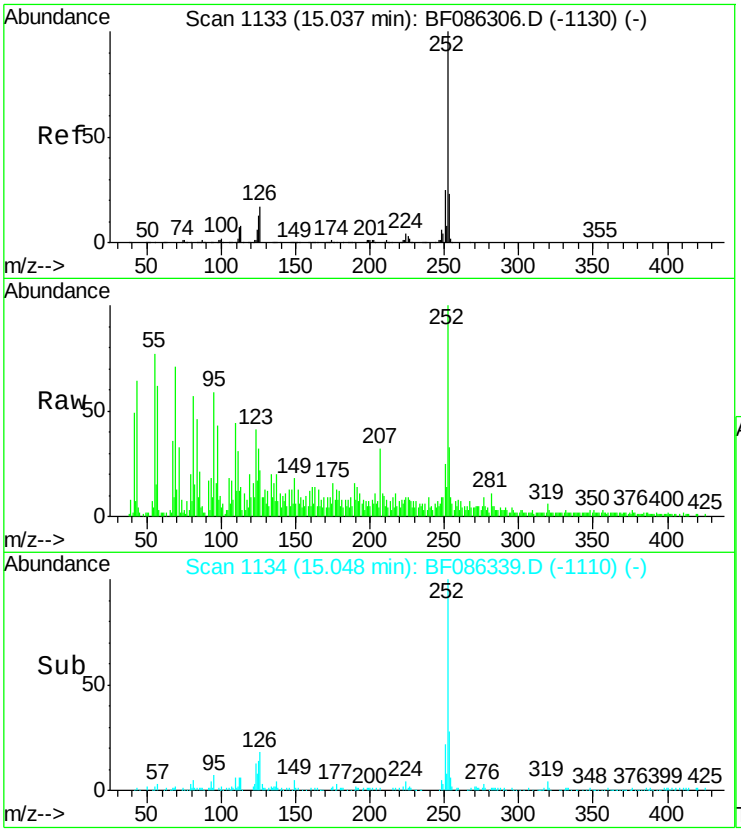


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:264 Resp: 253583

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.8	17.4	26.0





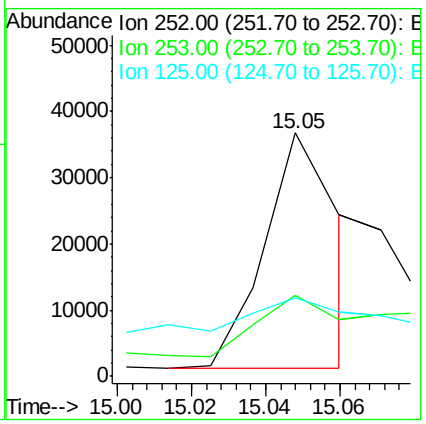
#87
Benzo(b)fluoranthene
Concen: 3.35 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

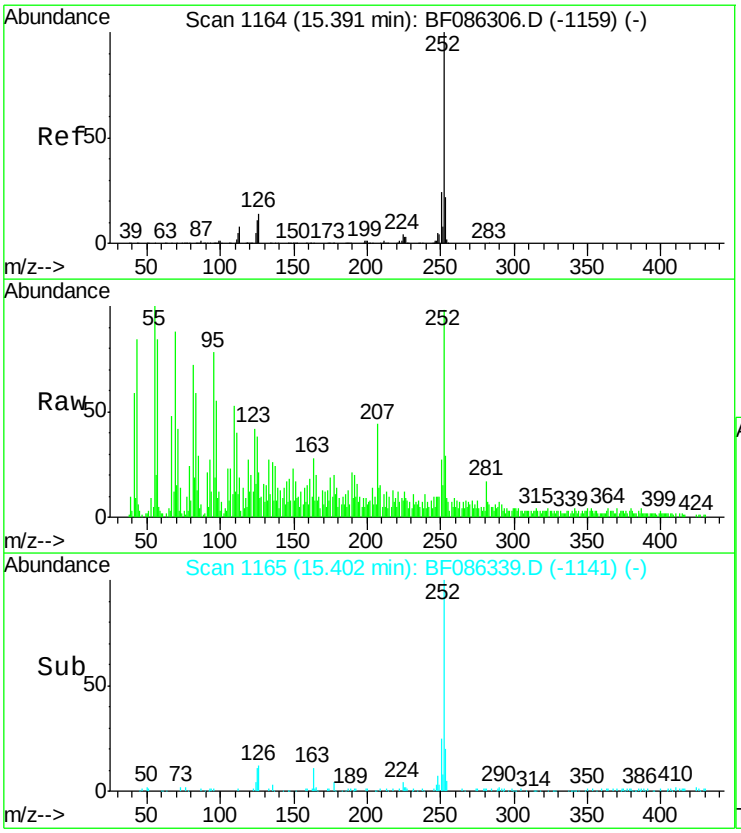
Tgt Ion:252 Resp: 49073

Ion	Ratio	Lower	Upper
252	100		
253	33.2	17.7	26.5#
125	32.2	10.3	15.5#

Instrument :
BNA_F
ClientSampleId :
EUT01-TU-B7(0-12)-C

Manual Integrations APPROVED
sohil
4/21/2016 7:12:21 PM





#89
Benzo(a)pyrene
Concen: 2.73 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF086339.D
Acq: 21 Apr 2016 5:46

Tgt Ion:252 Resp: 36908

Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.8	26.8#
125	38.4	11.2	16.8#