Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086938.D
Acq On : 12 May 2016 18:54
Operator : UM/SJ
Sample : H2952-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

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Quant Time: May 13 01:33:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 00:58:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	142437	20.00	ng		-0.01
21) Naphthalene-d8	7.91	136	602947	20.00	ng		-0.01
38) Acenaphthene-d10	9.66	164	272117	20.00	ng		-0.01
63) Phenanthrene-d10	11.13	188	434503	20.00	ng		-0.01
75) Chrysene-d12	13.76	240	289601	20.00	ng		-0.01
86) Perylene-d12	15.12	264	302936	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.22	112	1020768	121.37	ng		0.01
7) Phenol-d6	6.28	99	1264064	112.45	ng		-0.01
23) Nitrobenzene-d5	7.20	82	955818	79.60	ng		-0.01
41) 2,4,6-Tribromophenol	10.44	330	265744	92.25	ng		-0.01
44) 2-Fluorobiphenyl	8.99	172	1287516	79.52	ng		0.00
78) Terphenyl-d14	12.72	244	820901	60.14	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.39	163	224449	10.81	ng		98
70) Phenanthrene	11.15	178	52752	2.28	ng		98
74) Fluoranthene	12.34	202	123428	5.18	ng		90
77) Pyrene	12.56	202	115454	5.21	ng		99
80) Benzo(a)anthracene	13.75	228	71673	4.41	ng		99
82) Chrysene	13.78	228	52288	3.16	ng		97
85) Indeno(1,2,3-cd)pyrene	16.37	276	37807	2.75	ng	#	91
87) Benzo(b)fluoranthene	14.75	252	93700m	4.76	ng		
89) Benzo(a)pyrene	15.06	252	58974	3.47	ng	#	91
91) Benzo(g,h,i)perylene	16.74	276	36970	2.54	ng	#	94

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086938.D
Acq On : 12 May 2016 18:54
Operator : UM/SJ
Sample : H2952-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 13 01:33:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 00:58:18 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
S-1

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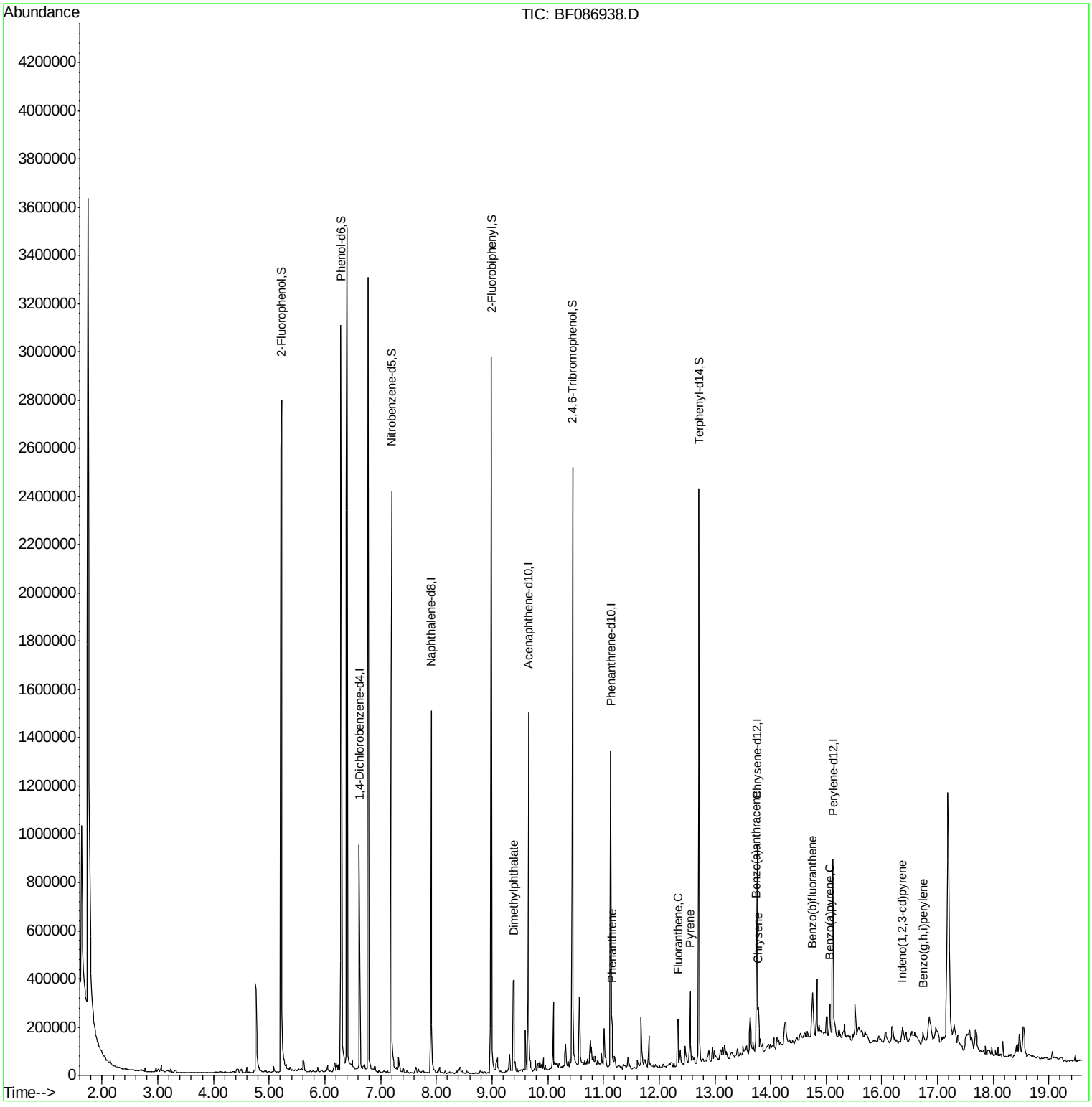
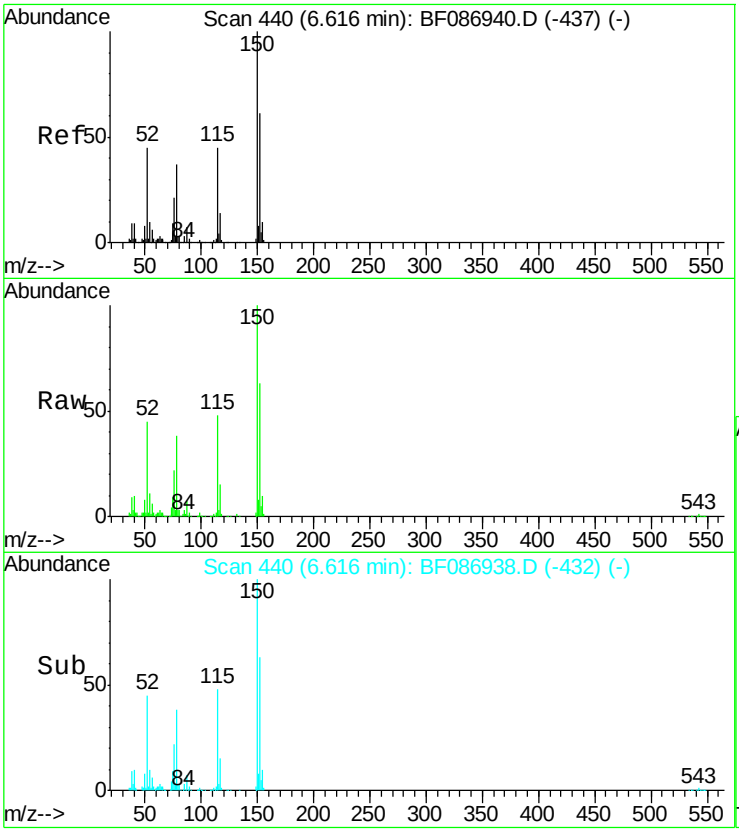
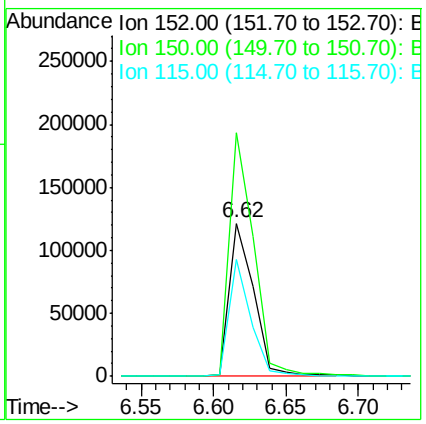




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:152 Resp: 142437

Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.8	188.6
115	76.3	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
S-1

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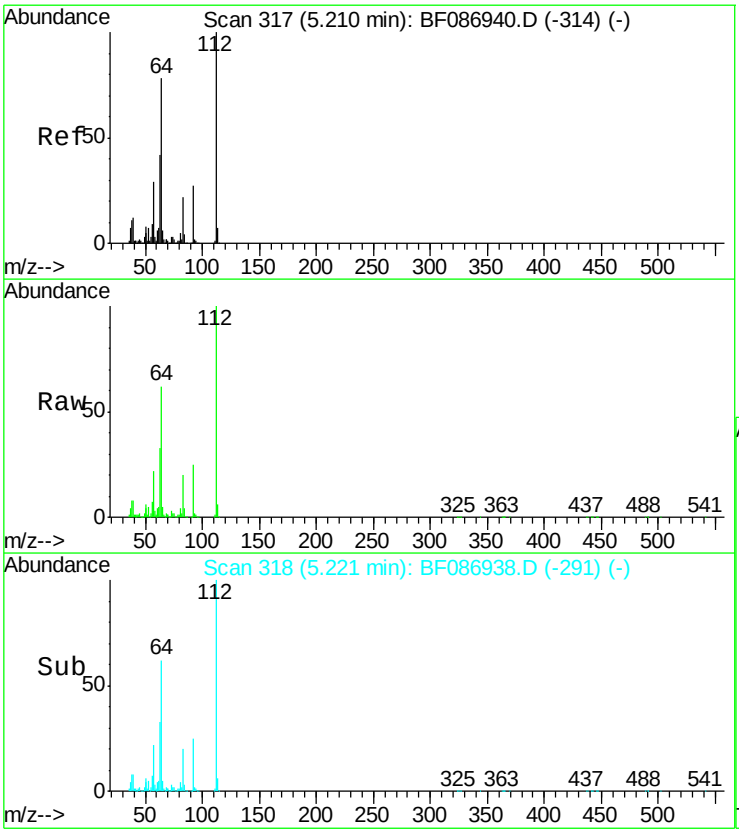
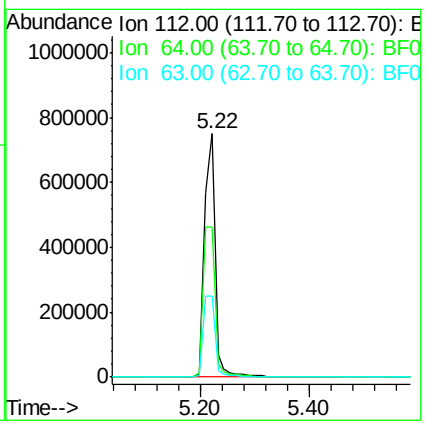
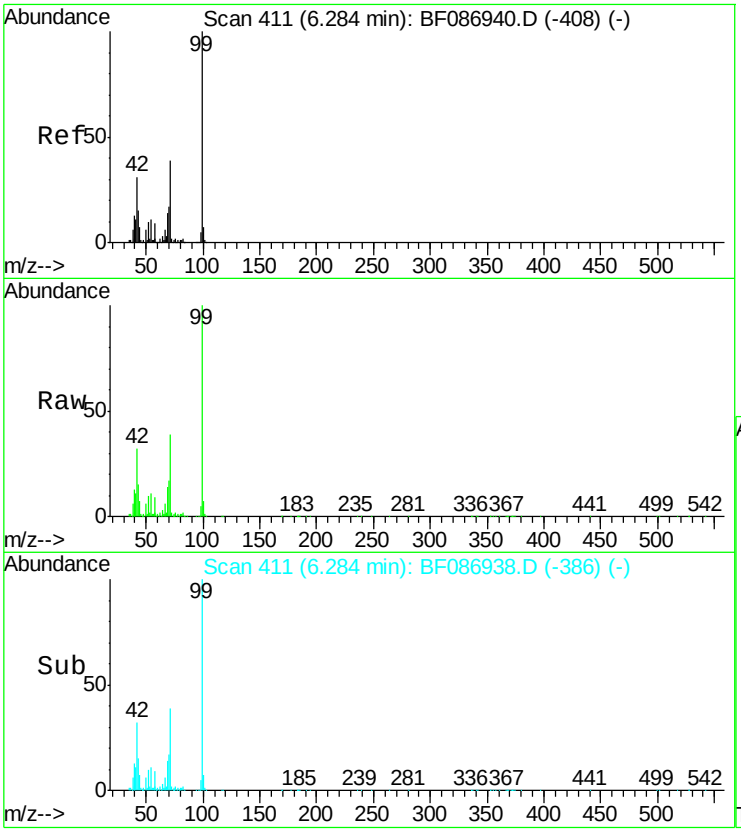


#5
2-Fluorophenol
Concen: 121.37 ng
RT: 5.22 min Scan# 318
Delta R.T. 0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:112 Resp: 1020768

Ion	Ratio	Lower	Upper
112	100		
64	61.6	52.1	78.1
63	33.5	25.7	38.5

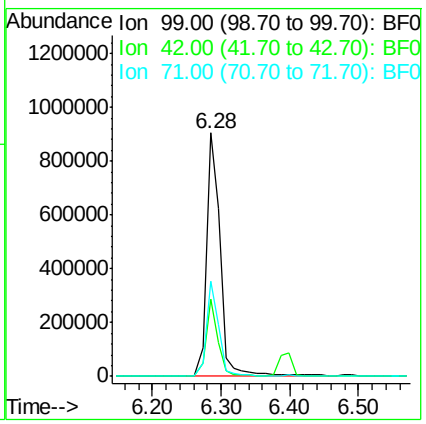




#7
Phenol-d6
Concen: 112.45 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion: 99 Resp: 1264064

Ion	Ratio	Lower	Upper
99	100		
42	31.6	13.6	20.4#
71	38.9	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
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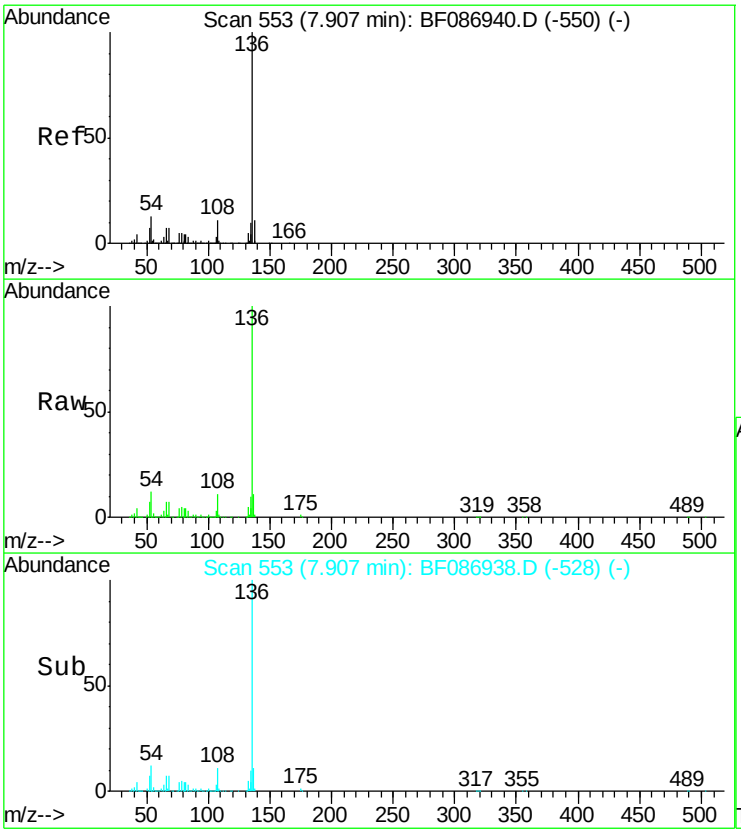
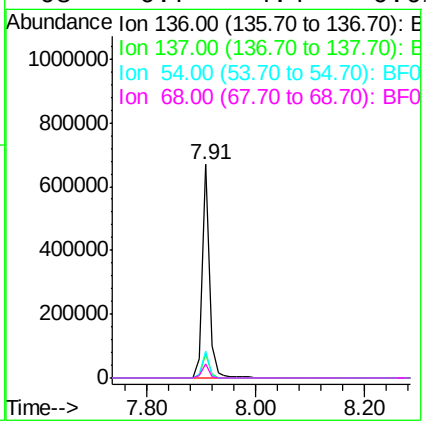
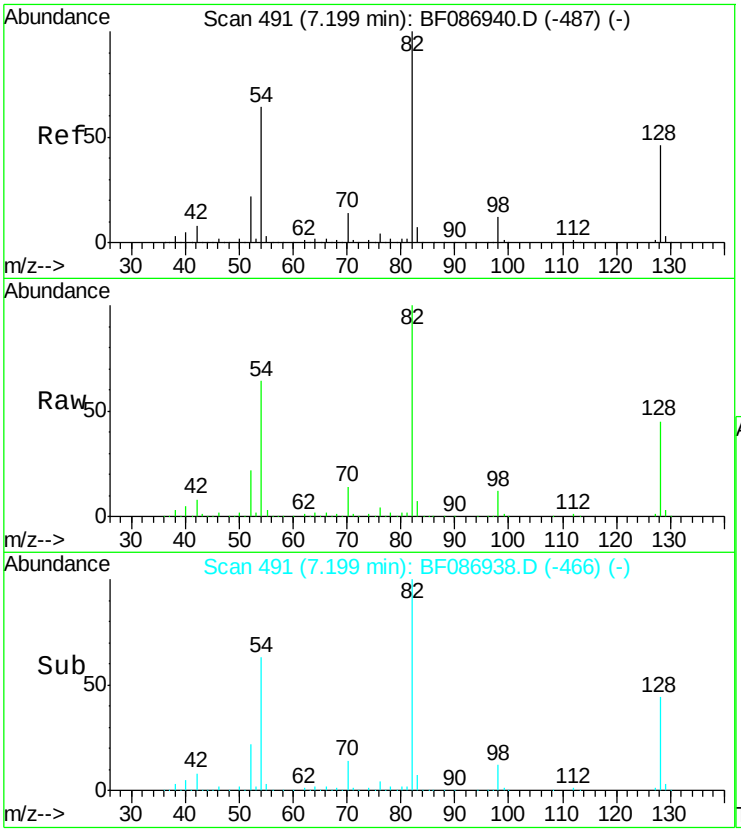


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:136 Resp: 602947

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	12.4	5.0	7.4#
68	6.7	4.4	6.6#

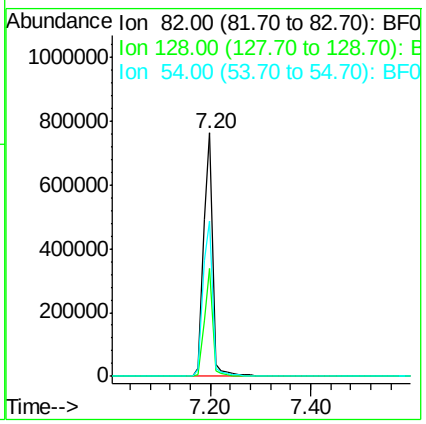




#23
Nitrobenzene-d5
Concen: 79.60 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion: 82 Resp: 955818

Ion	Ratio	Lower	Upper
82	100		
128	44.5	40.6	61.0
54	63.5	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
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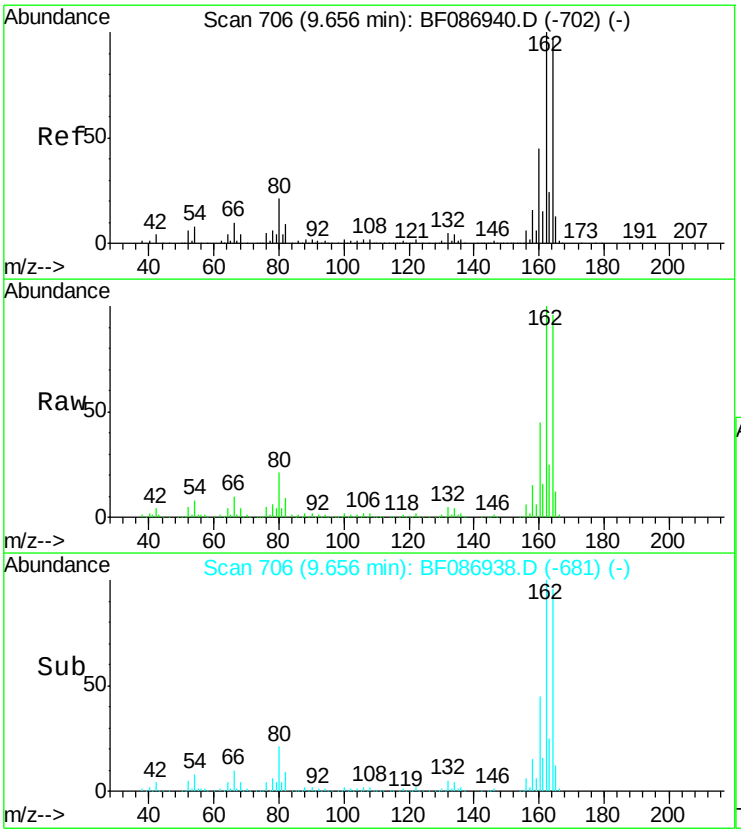
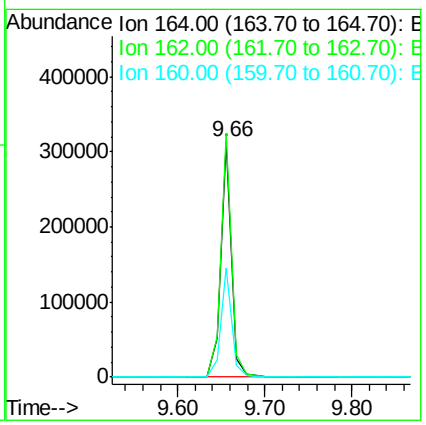
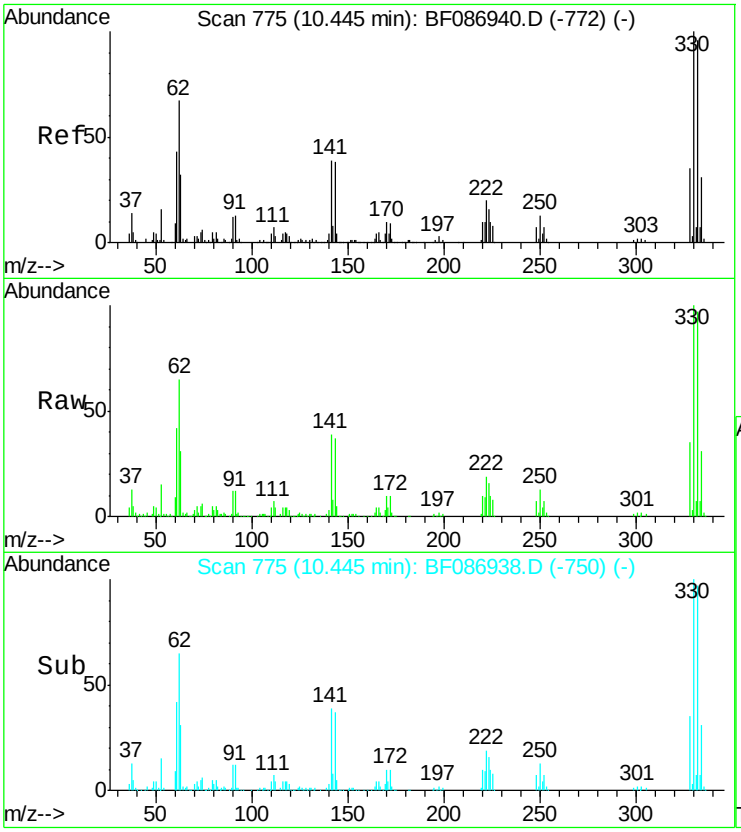


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:164 Resp: 272117

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.8	124.2
160	46.6	36.9	55.3

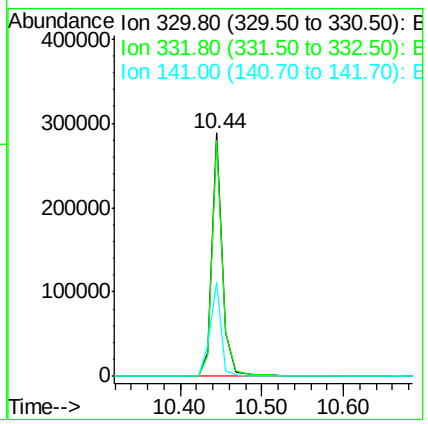




#41
2,4,6-Tribromophenol
Concen: 92.25 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:330 Resp: 265744

Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.0	118.4
141	41.7	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
S-1

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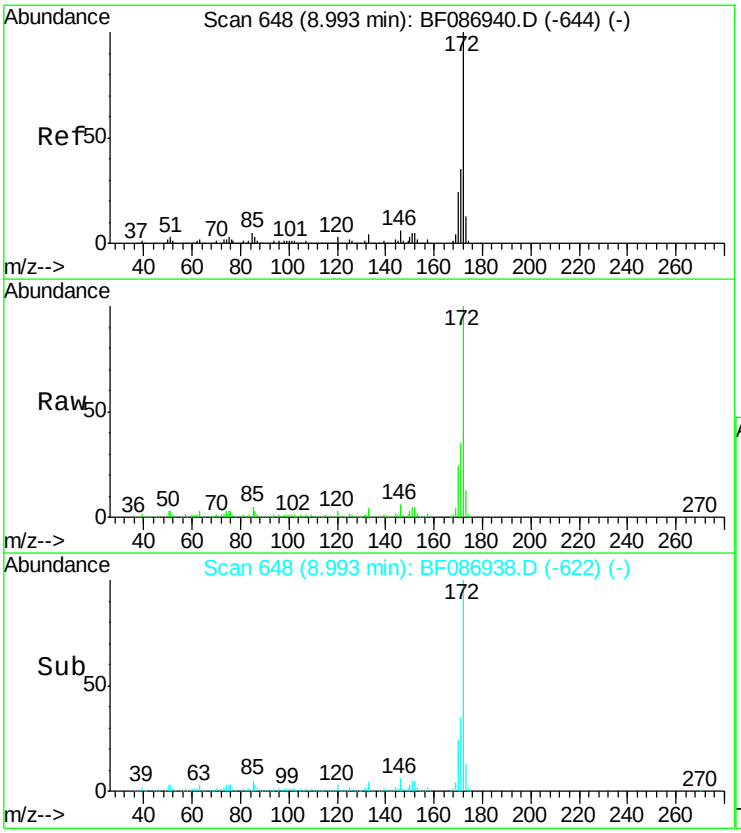
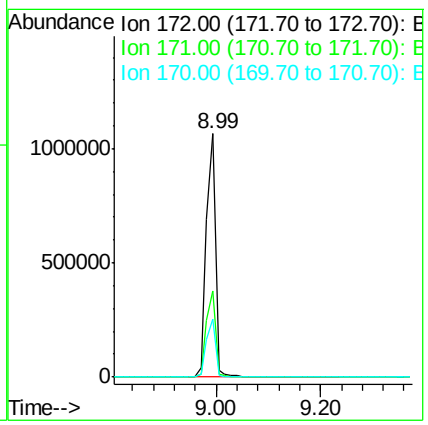
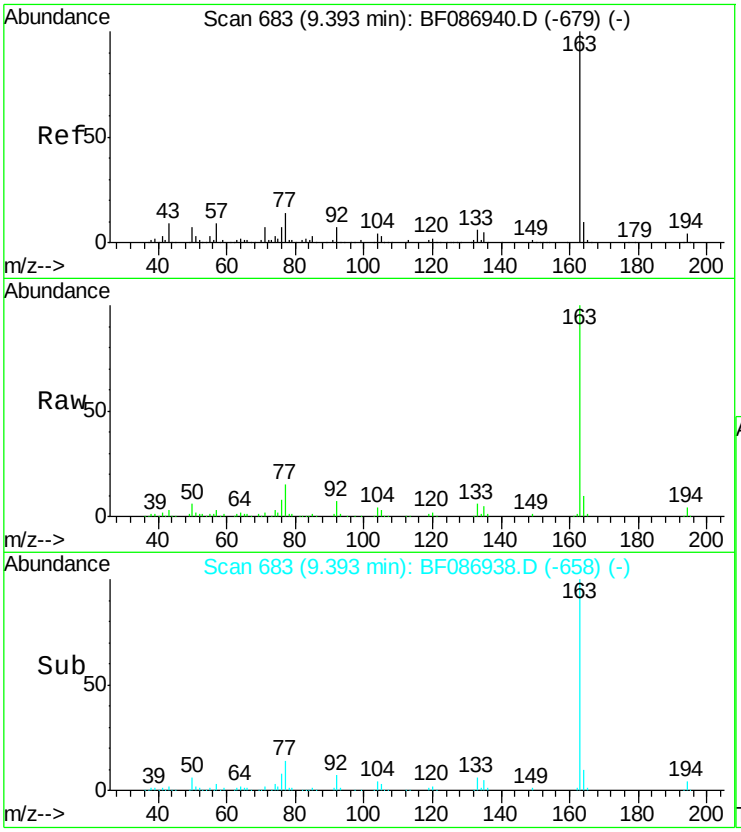


#44
2-Fluorobiphenyl
Concen: 79.52 ng
RT: 8.99 min Scan# 648
Delta R.T. 0.00 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:172 Resp: 1287516

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.8	19.8	29.8

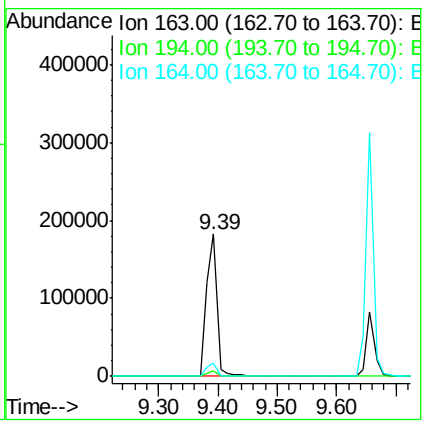




#49
Dimethylphthalate
Concen: 10.81 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:163 Resp: 224449

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	9.6	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
S-1

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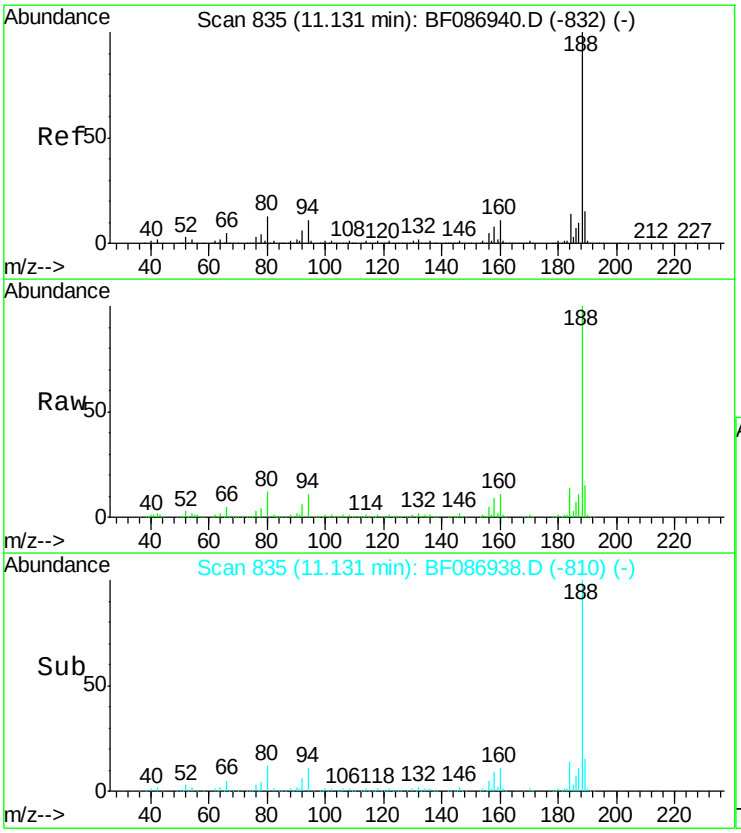
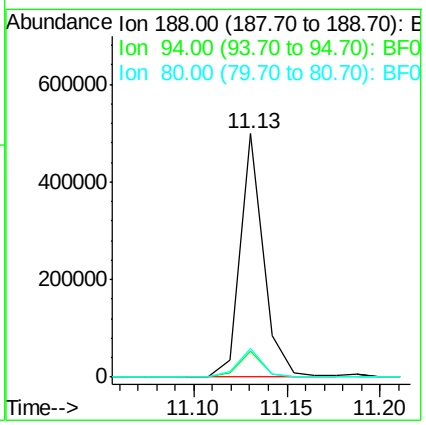
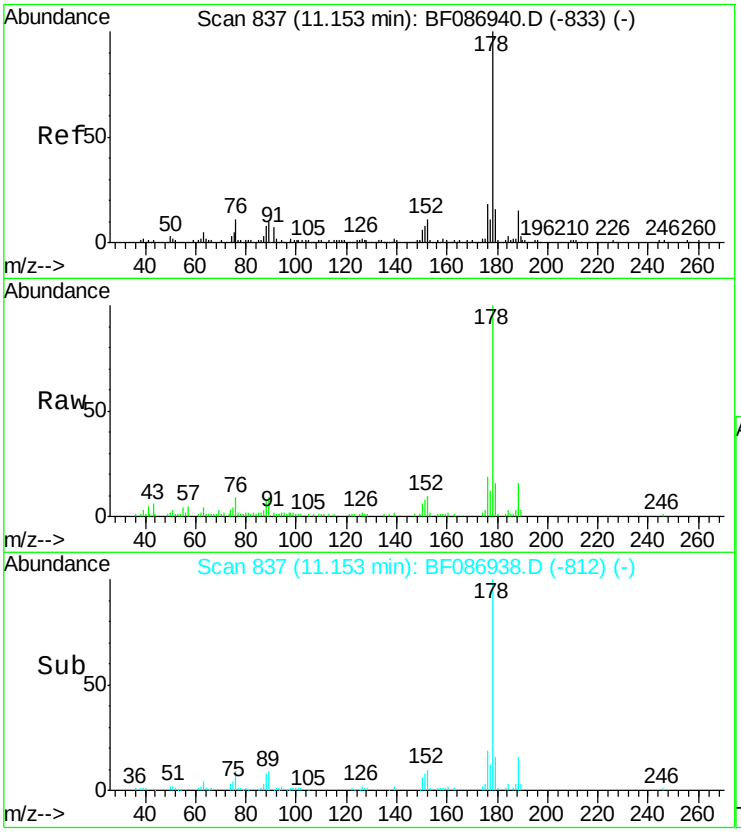


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:188 Resp: 434503

Ion	Ratio	Lower	Upper
188	100		
94	10.9	6.8	10.2#
80	11.8	7.1	10.7#

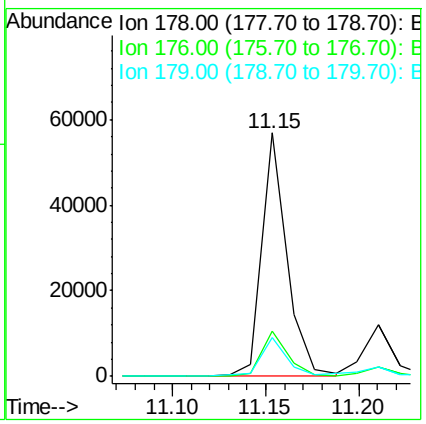




#70
Phenanthrene
Concen: 2.28 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:178 Resp: 52752

Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.8	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
S-1

Manual Integrations APPROVED
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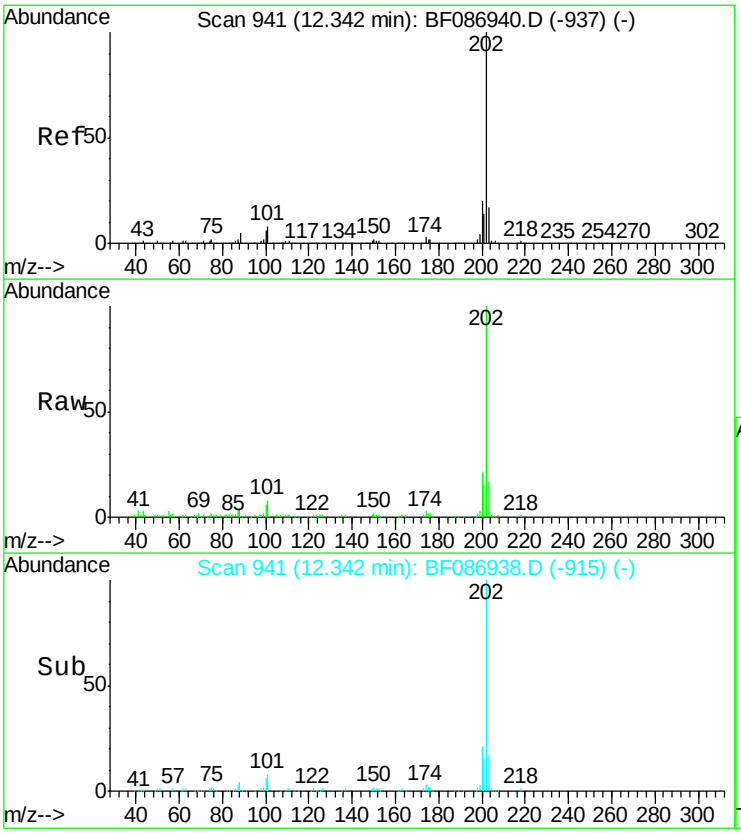
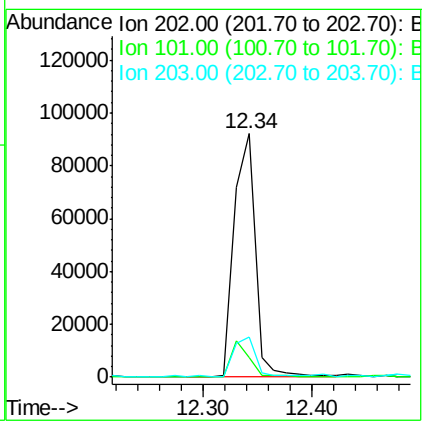
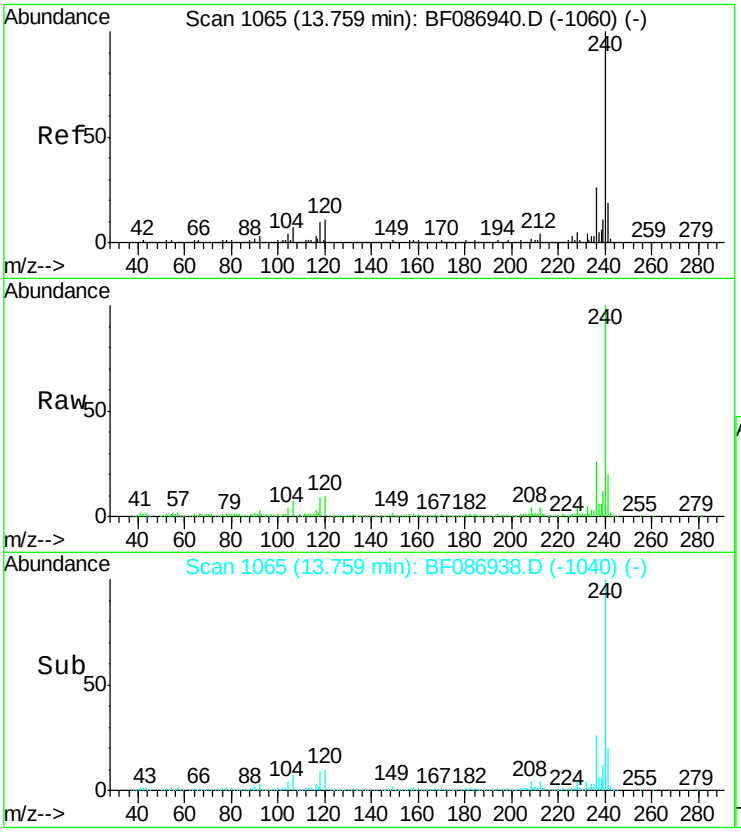


#74
Fluoranthene
Concen: 5.18 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:202 Resp: 123428

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	35.4
203	16.7	0.0	38.1

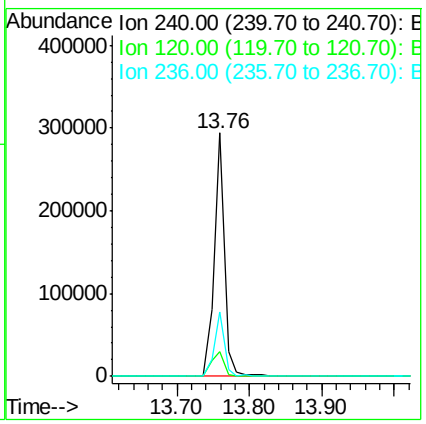




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:240 Resp: 289601

Ion	Ratio	Lower	Upper
240	100		
120	10.3	11.2	16.8#
236	26.4	21.2	31.8



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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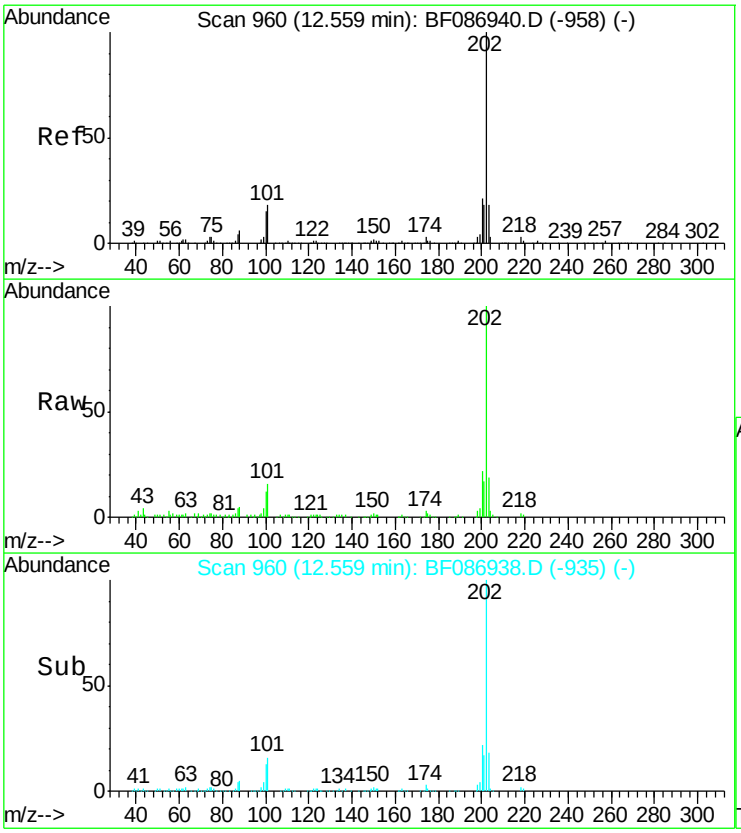
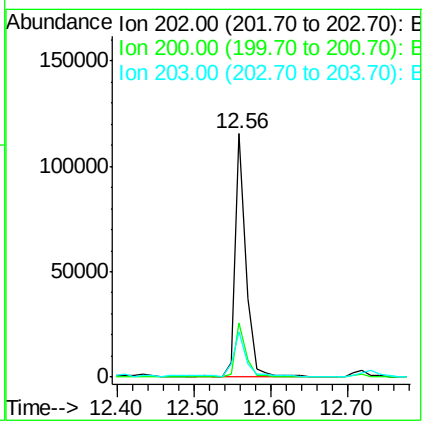
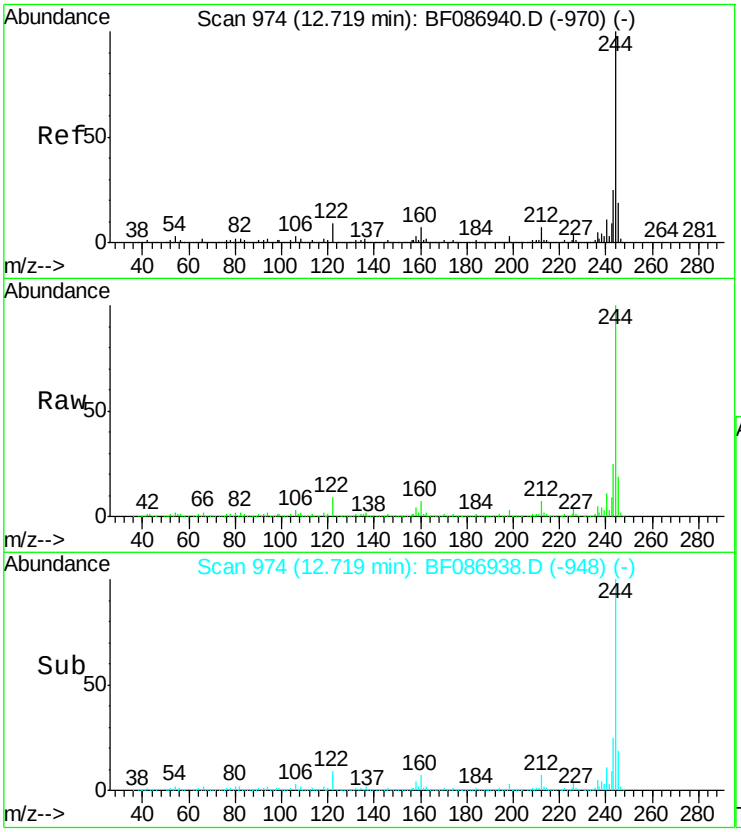


#77
Pyrene
Concen: 5.21 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:202 Resp: 115454

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	18.7	14.2	21.4





#78
Terphenyl-d14
Concen: 60.14 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:244 Resp: 820901

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	9.1	12.0	18.0#

Instrument :
BNA_F
ClientSampleId :
S-1

Manual Integrations APPROVED
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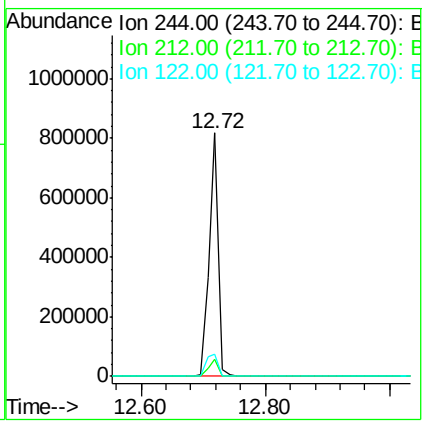
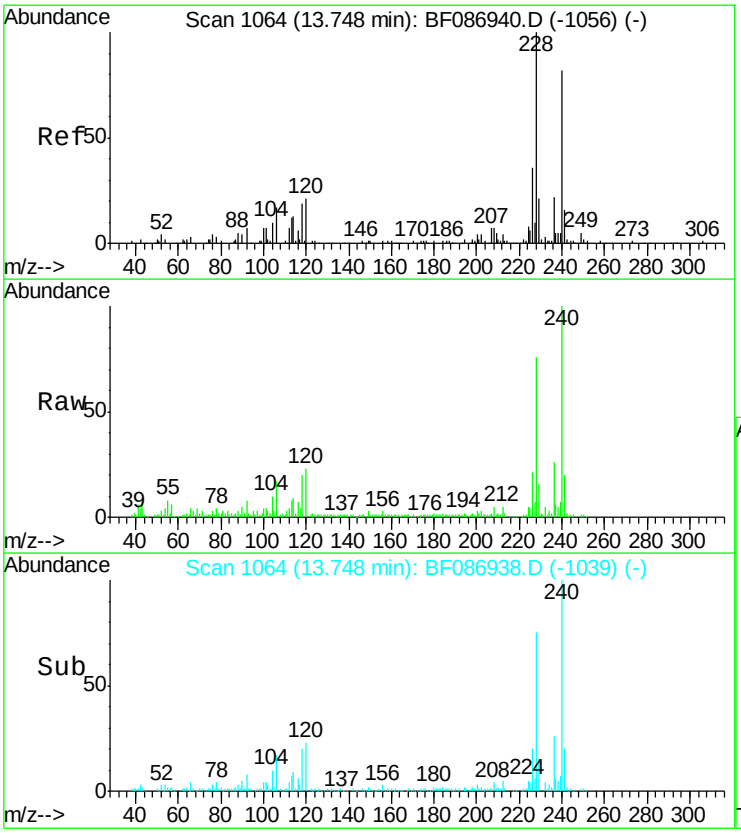
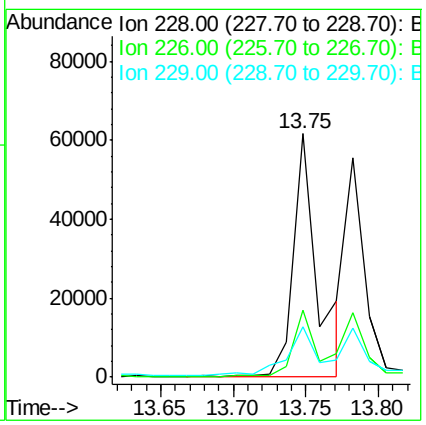


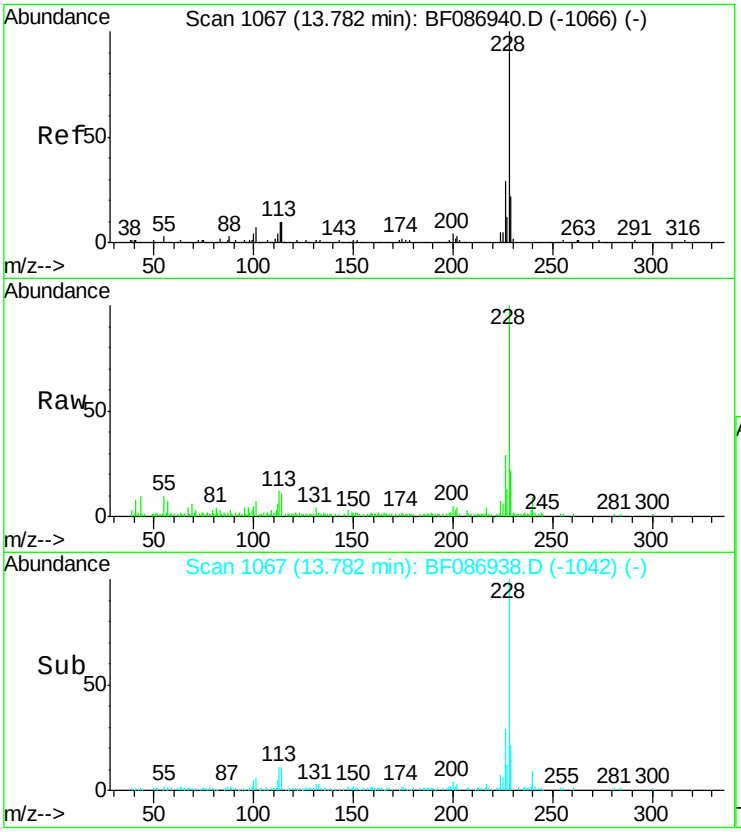


#80
Benzo(a)anthracene
Concen: 4.41 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:228 Resp: 71673

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.5	33.7
229	20.8	16.6	25.0





#82
Chrysene
Concen: 3.16 ng
RT: 13.78 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:228 Resp: 52288

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.4	36.6
229	22.4	15.8	23.8

Instrument :
BNA_F
ClientSampleId :
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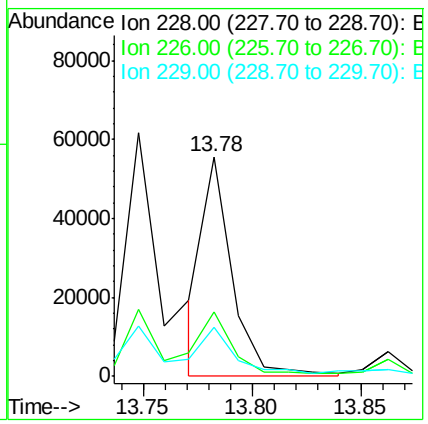
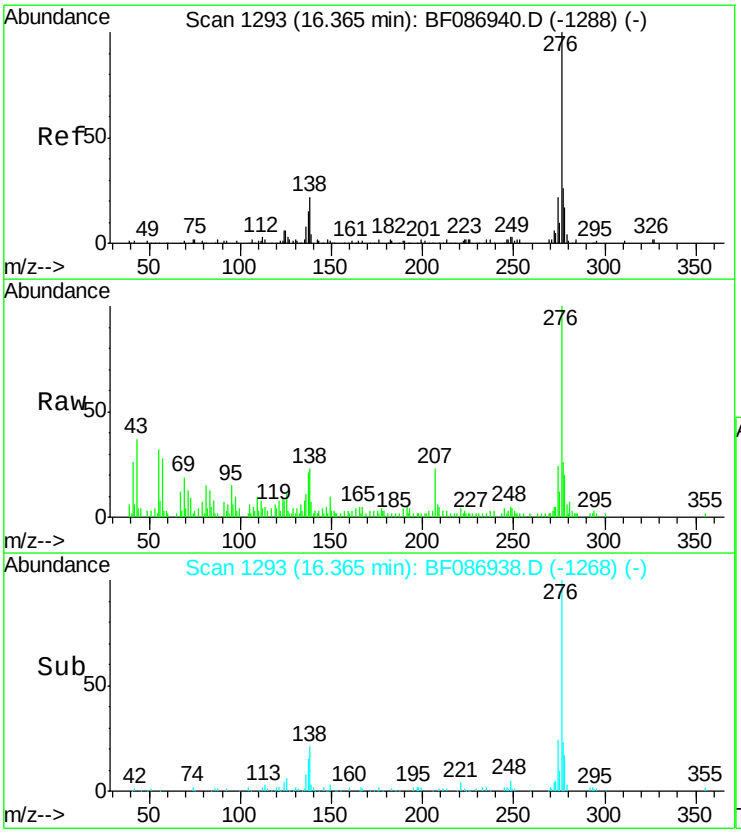
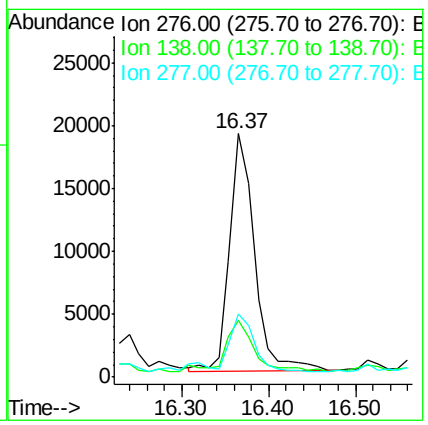


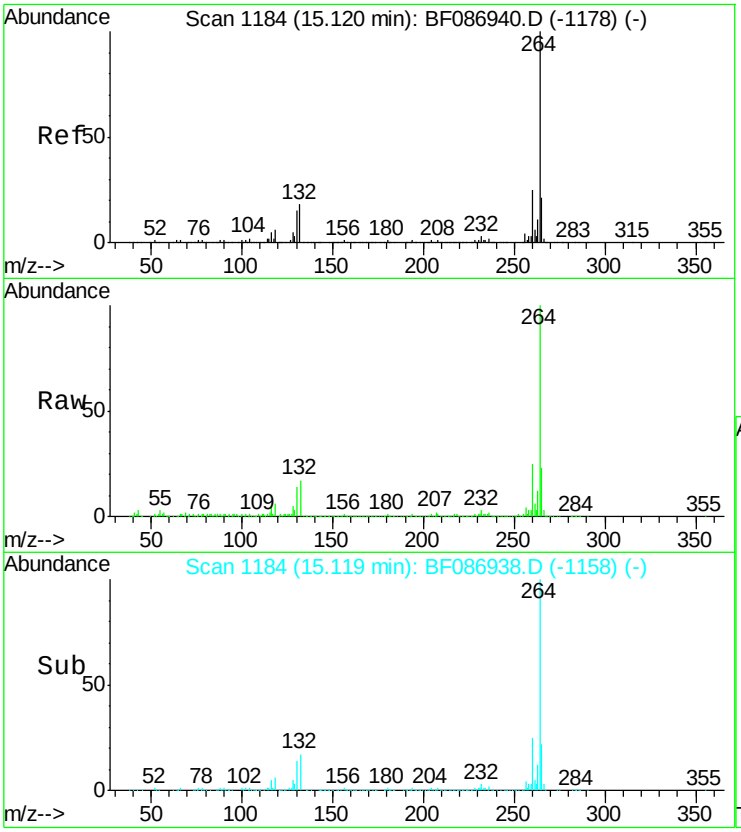


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.75 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:276 Resp: 37807

Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.6	38.4#
277	28.8	20.5	30.7

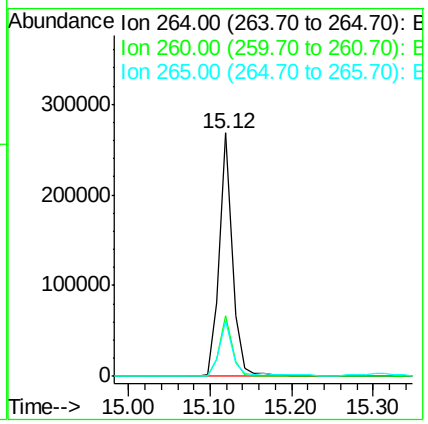




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:264 Resp: 302936

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	22.5	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
S-1

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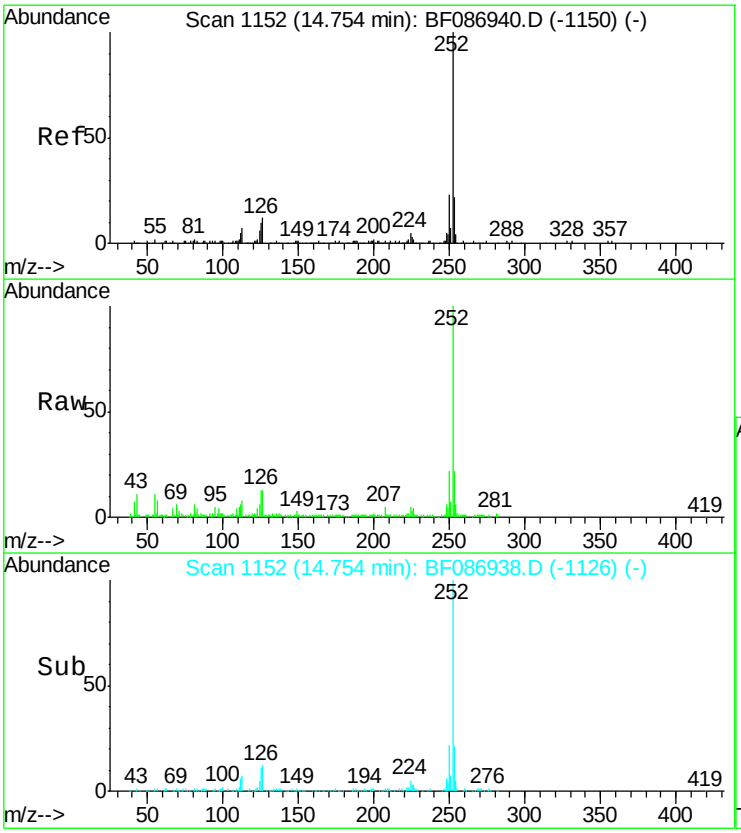
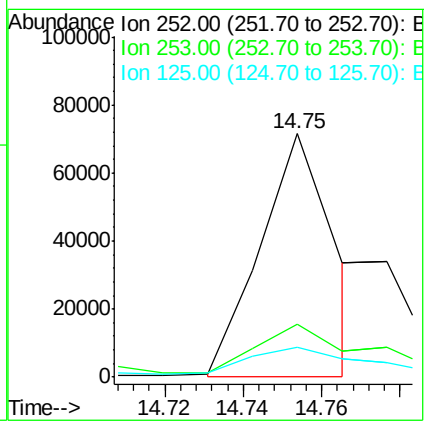
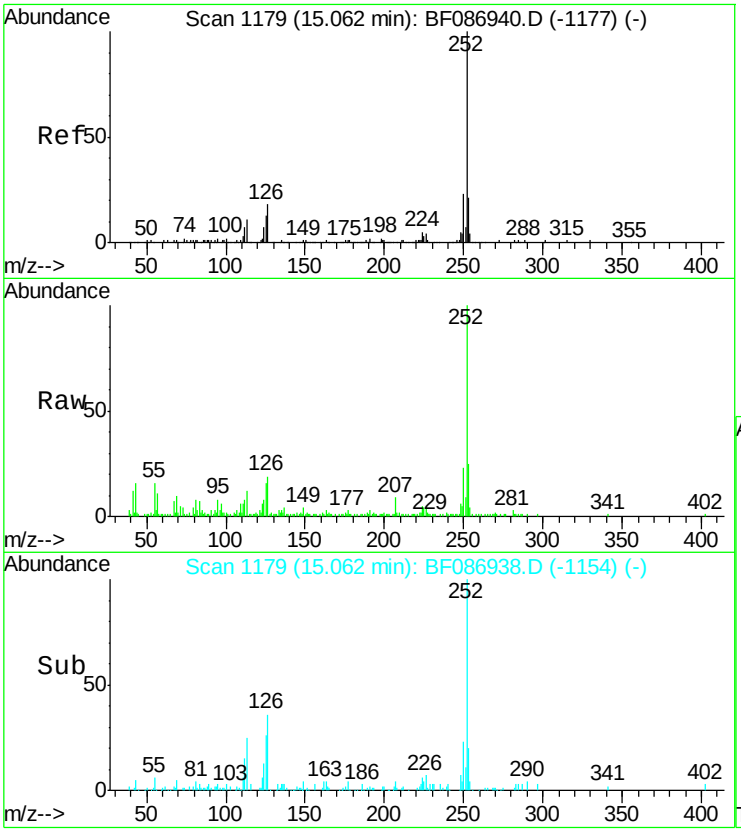


#87
Benzo(b)fluoranthene
Concen: 4.76 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:252 Resp: 93700

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	12.5	11.4	17.0

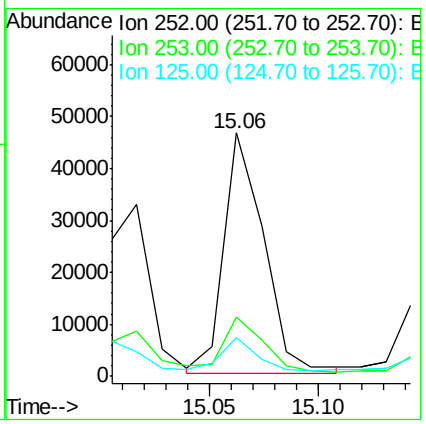




#89
Benzo(a)pyrene
Concen: 3.47 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:252 Resp: 58974

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	16.1	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
S-1

Manual Integrations APPROVED
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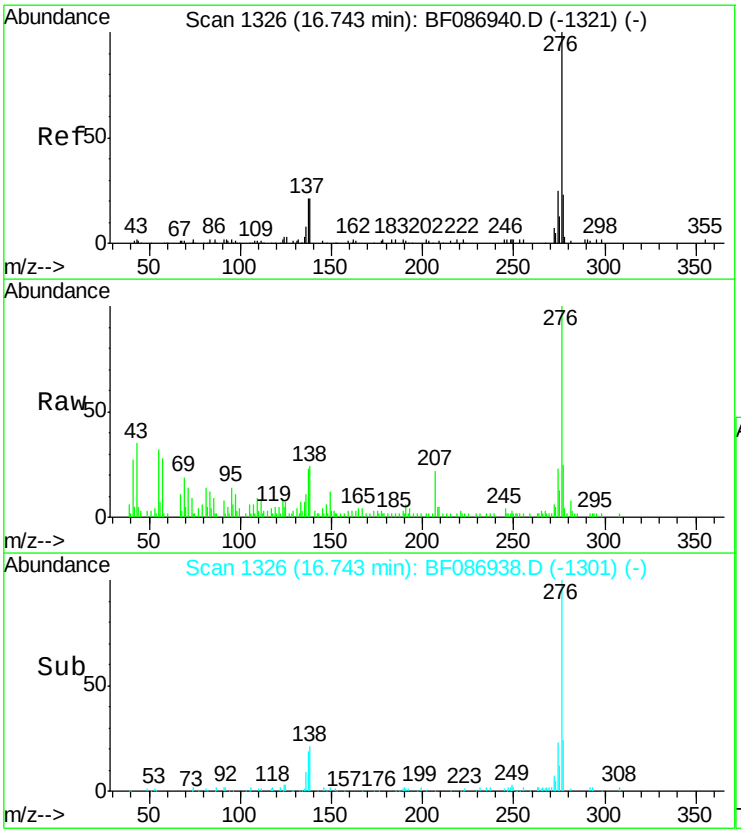

#91
Benzo(g,h,i)perylene
Concen: 2.54 ng
RT: 16.74 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF086938.D
Acq: 12 May 2016 18:54

Tgt Ion:276 Resp: 36970

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.6	29.4
138	23.6	23.6	35.4#