Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086916.D
Acq On : 12 May 2016 4:49
Operator : UM/SJ
Sample : H2957-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP31-5FT

Manual Integrations APPROVED
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5/12/2016 9:09:11 AM

Quant Time: May 12 12:37:51 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 12 01:06:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	127950	20.00	ng		-0.01
21) Naphthalene-d8	7.92	136	487378	20.00	ng		0.00
38) Acenaphthene-d10	9.67	164	193941	20.00	ng		-0.01
63) Phenanthrene-d10	11.14	188	307601	20.00	ng		-0.01
75) Chrysene-d12	13.77	240	285780	20.00	ng		-0.01
86) Perylene-d12	15.14	264	224973	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.23	112	776343	102.76	ng		0.01
7) Phenol-d6	6.30	99	902033	89.33	ng		-0.01
23) Nitrobenzene-d5	7.21	82	614182	63.28	ng		-0.01
41) 2,4,6-Tribromophenol	10.46	330	162252	79.02	ng		-0.01
44) 2-Fluorobiphenyl	9.00	172	836753	72.51	ng		0.00
78) Terphenyl-d14	12.73	244	614953	45.66	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.40	163	116356	7.86	ng	#	98
70) Phenanthrene	11.16	178	39733	2.42	ng		98
74) Fluoranthene	12.35	202	123798	7.33	ng		93
77) Pyrene	12.58	202	113309	5.18	ng		98
80) Benzo(a)anthracene	13.76	228	69106	4.31	ng	#	90
82) Chrysene	13.79	228	53627m	3.29	ng		
87) Benzo(b)fluoranthene	14.77	252	65440m	4.48	ng		
88) Benzo(k)fluoranthene	14.78	252	29309m	2.45	ng		
89) Benzo(a)pyrene	15.09	252	46490	3.69	ng	#	91
91) Benzo(g,h,i)perylene	16.77	276	23803	2.20	ng		94

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086916.D
Acq On : 12 May 2016 4:49
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Misc :
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Quant Time: May 12 12:37:51 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
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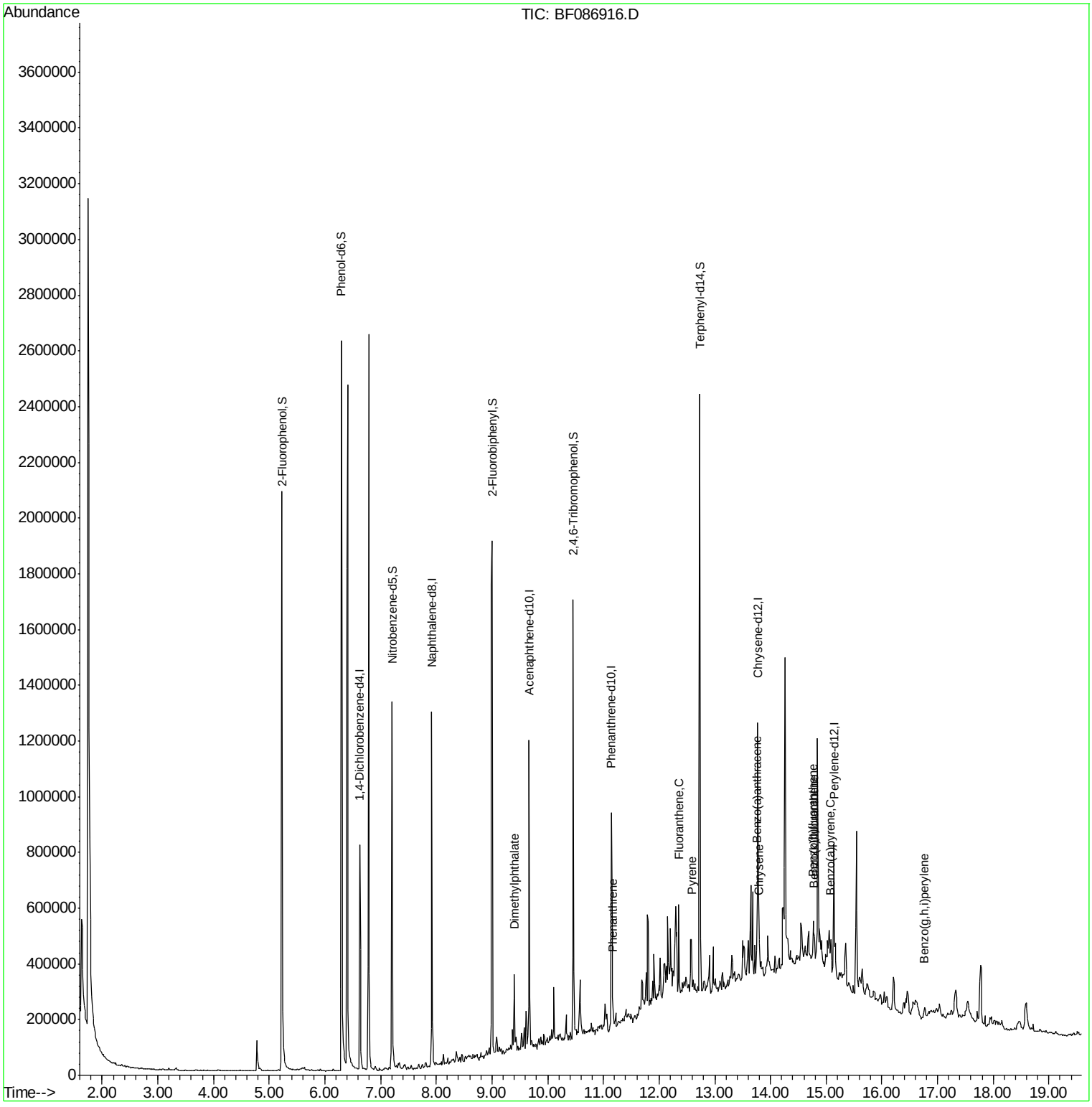
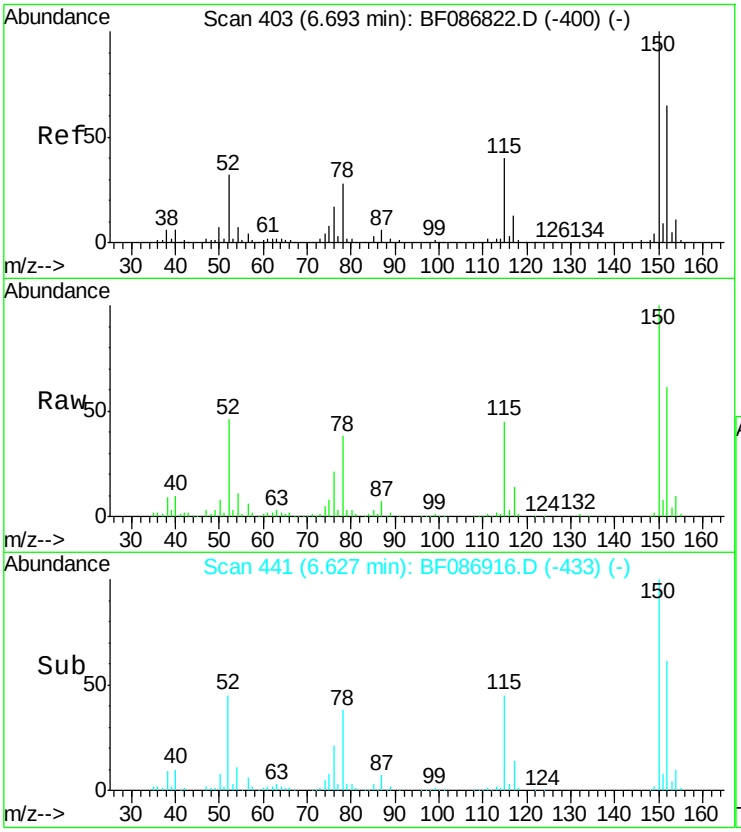
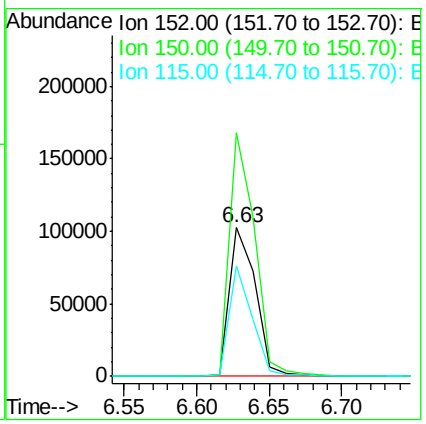




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:152 Resp: 127950

Ion	Ratio	Lower	Upper
152	100		
150	163.8	125.8	188.6
115	74.3	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
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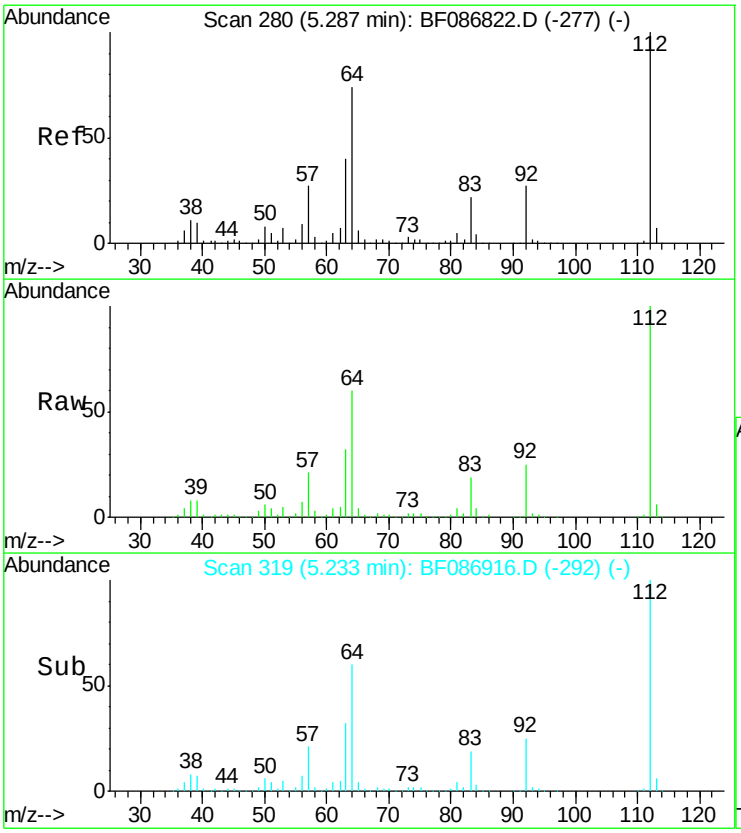
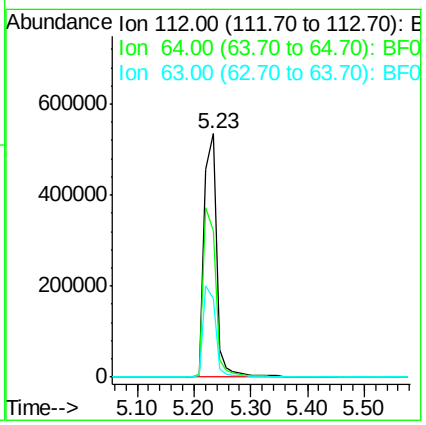
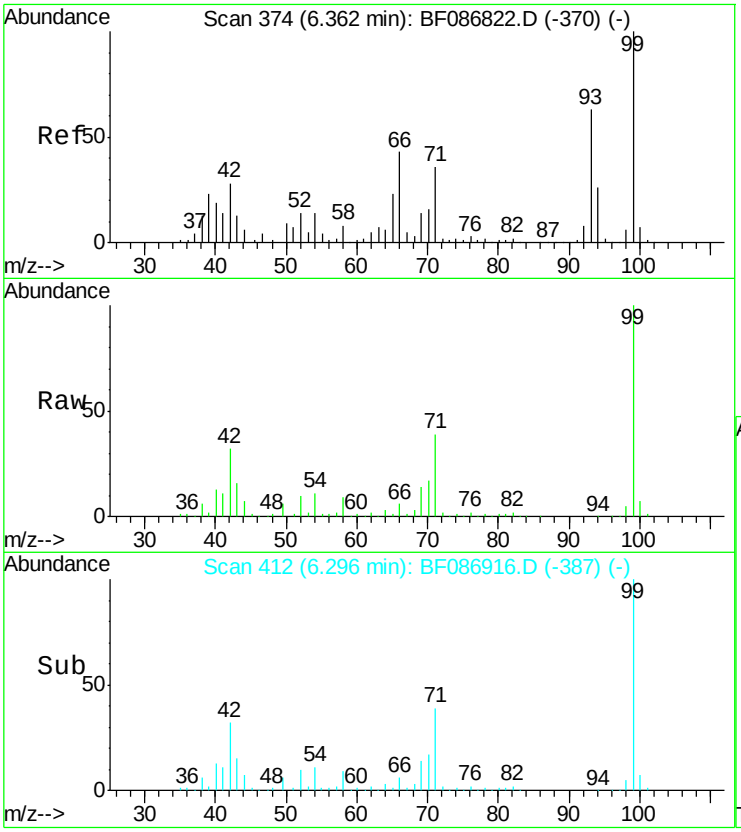


#5
2-Fluorophenol
Concen: 102.76 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:112 Resp: 776343

Ion	Ratio	Lower	Upper
112	100		
64	60.1	52.1	78.1
63	32.2	25.7	38.5

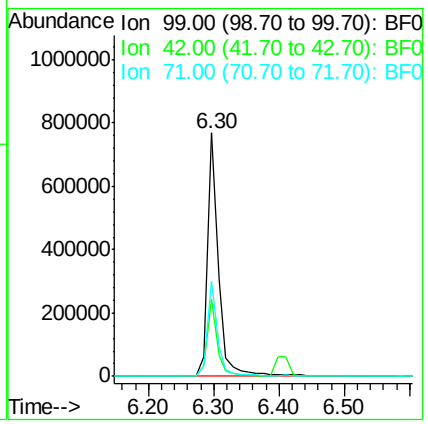




#7
Phenol-d6
Concen: 89.33 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion: 99 Resp: 902033

Ion	Ratio	Lower	Upper
99	100		
42	31.7	13.6	20.4#
71	39.2	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

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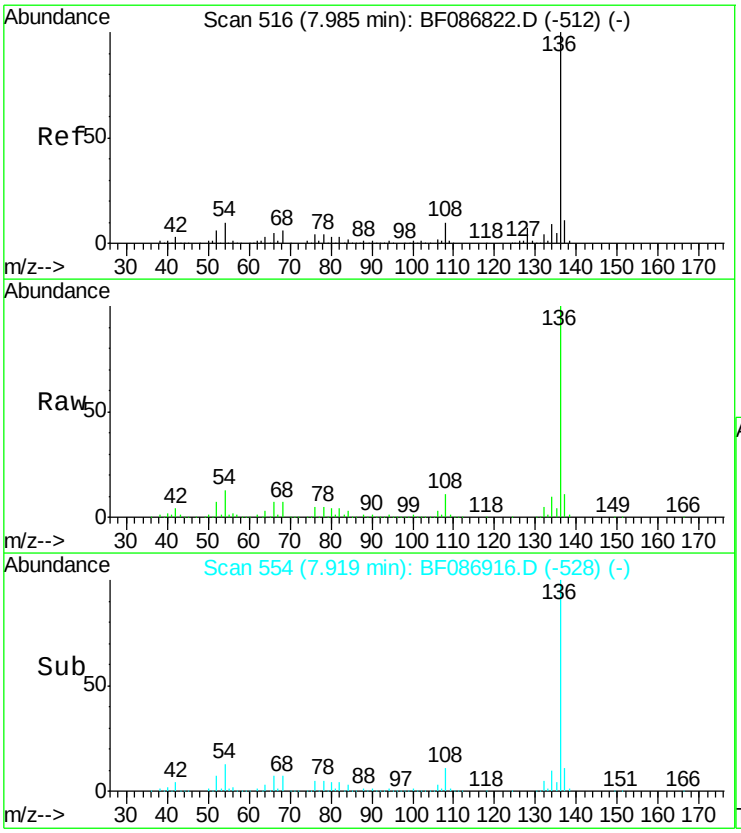
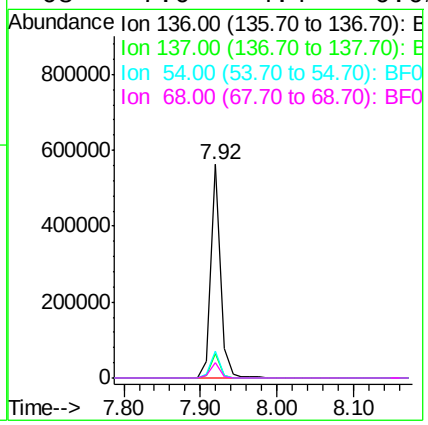
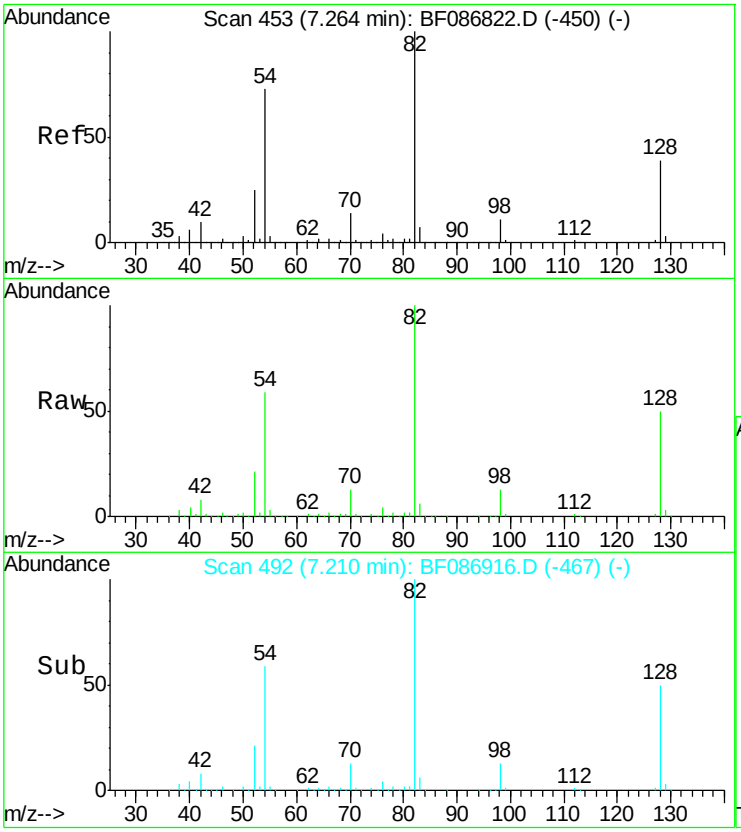


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:136 Resp: 487378

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	12.6	5.0	7.4#
68	7.0	4.4	6.6#

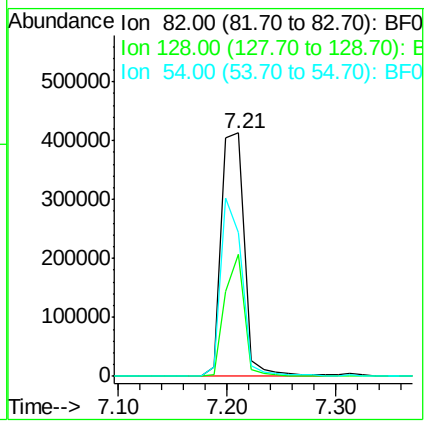




#23
Nitrobenzene-d5
Concen: 63.28 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion: 82 Resp: 614182

Ion	Ratio	Lower	Upper
82	100		
128	50.2	40.6	61.0
54	59.3	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

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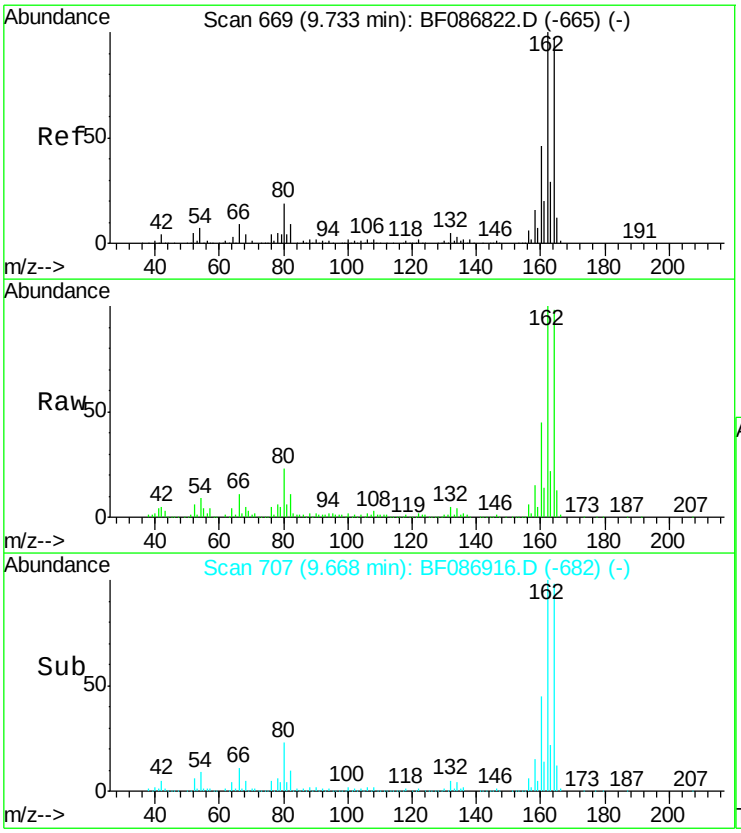
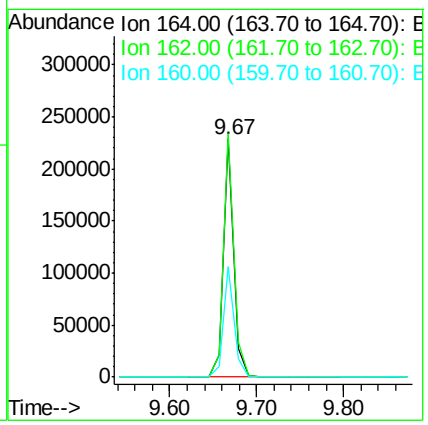
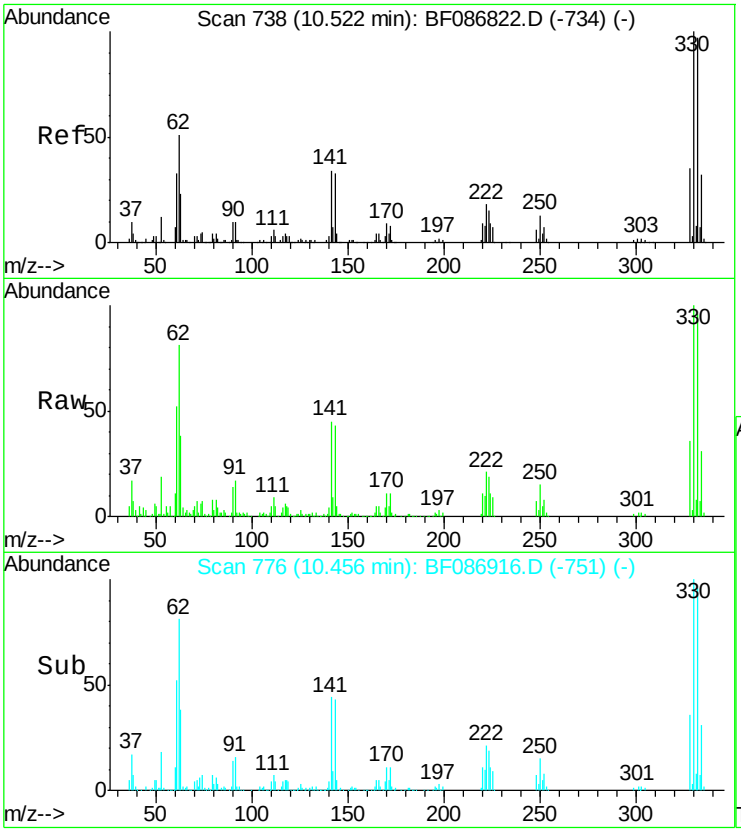


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:164 Resp: 193941

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.8	124.2
160	46.2	36.9	55.3

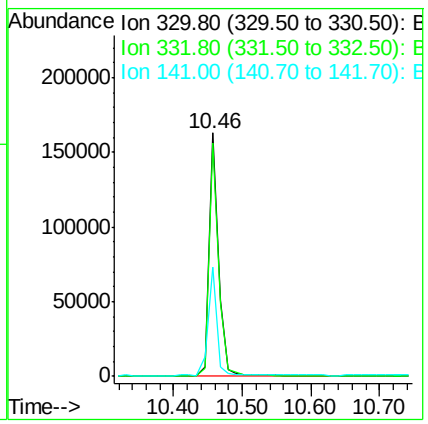




#41
2,4,6-Tribromophenol
Concen: 79.02 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:330 Resp: 162252

Ion	Ratio	Lower	Upper
330	100		
332	96.2	79.0	118.4
141	41.0	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

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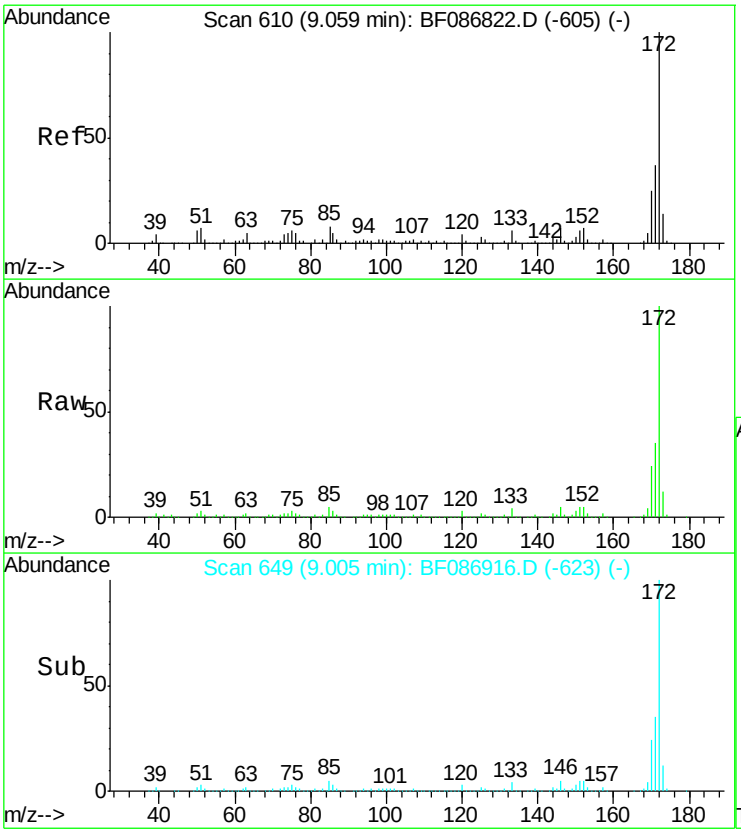
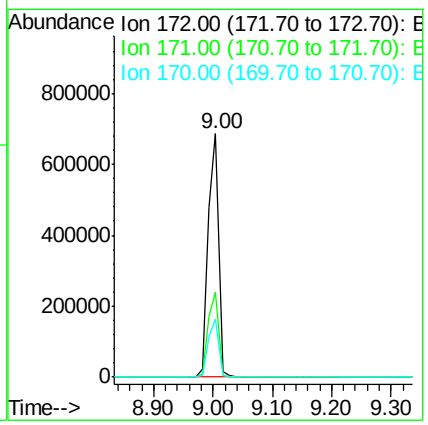
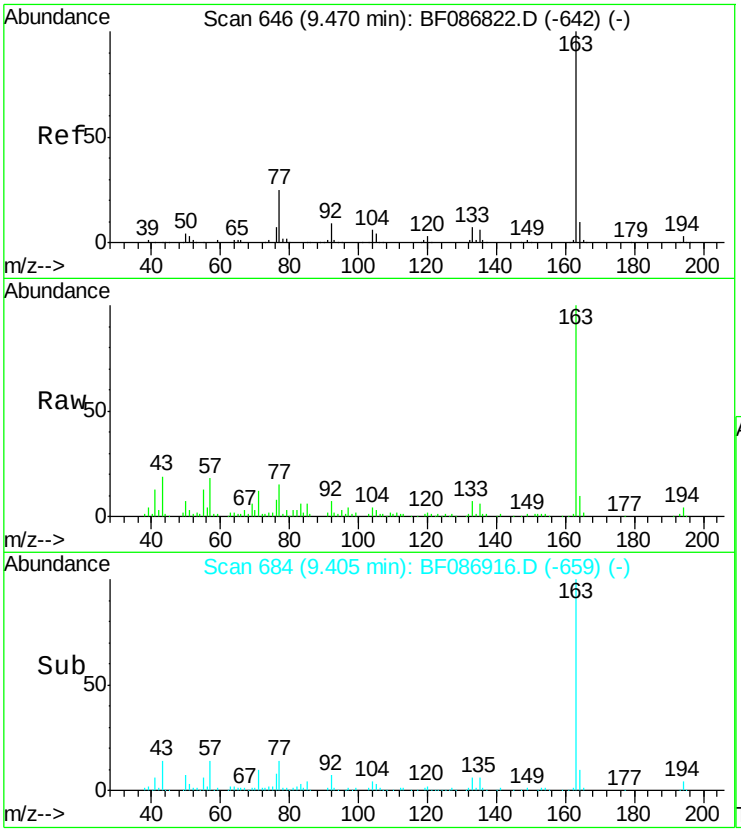


#44
2-Fluorobiphenyl
Concen: 72.51 ng
RT: 9.00 min Scan# 649
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:172 Resp: 836753

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.6
170	23.7	19.8	29.8

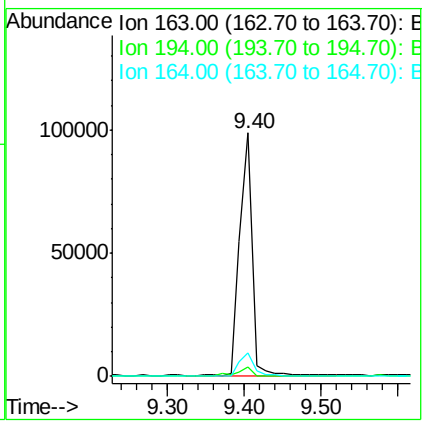




#49
Dimethylphthalate
Concen: 7.86 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:163 Resp: 116356

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.6	4.0#
164	9.8	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

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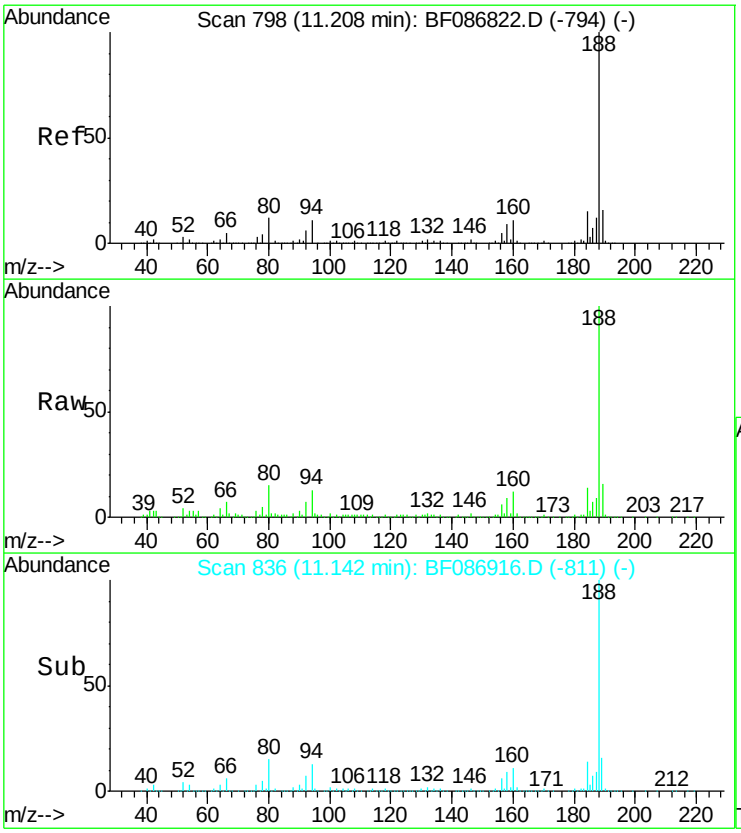
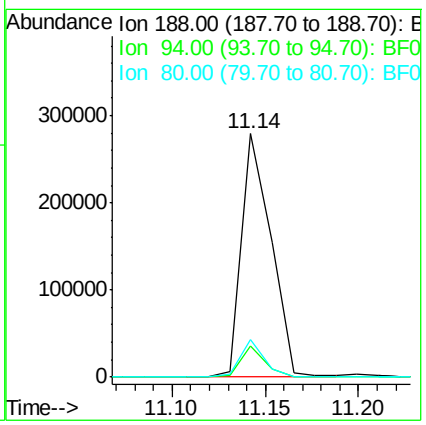
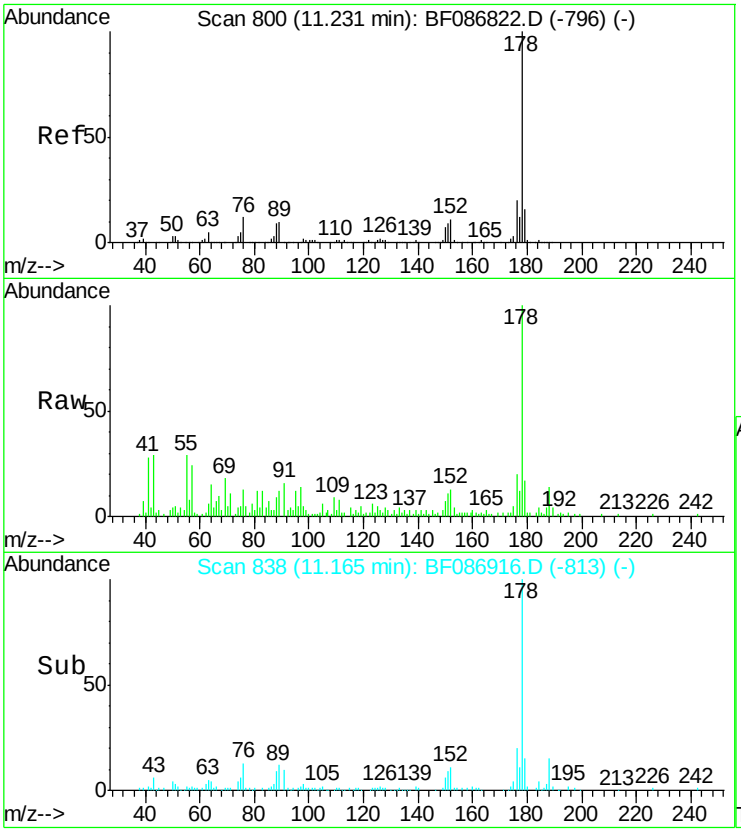


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:188 Resp: 307601

Ion	Ratio	Lower	Upper
188	100		
94	13.0	6.8	10.2#
80	15.2	7.1	10.7#

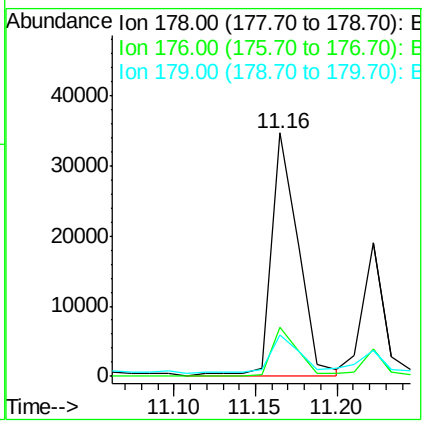




#70
Phenanthrene
Concen: 2.42 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:178 Resp: 39733

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	17.2	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Manual Integrations APPROVED
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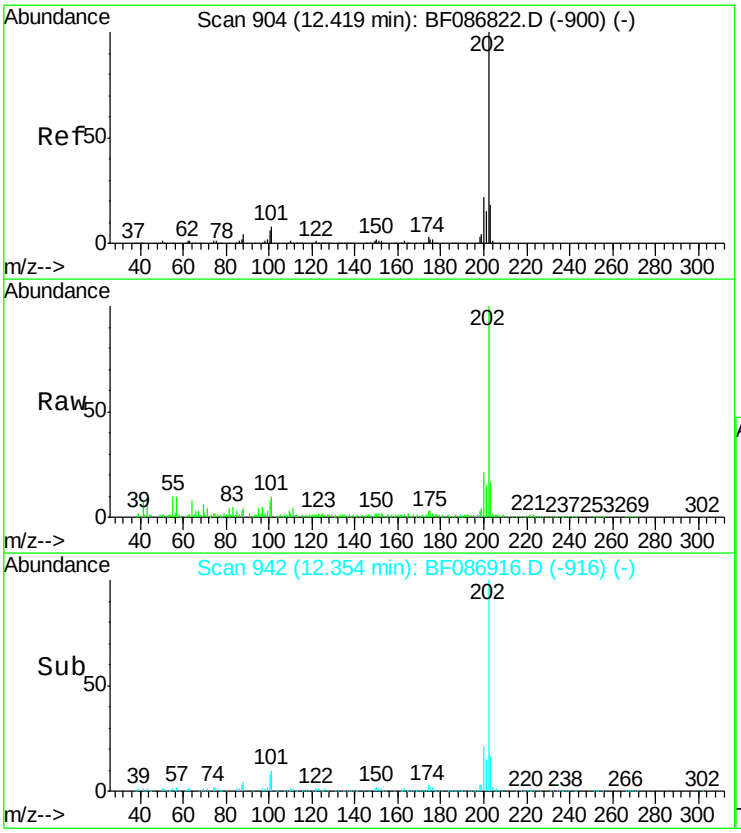
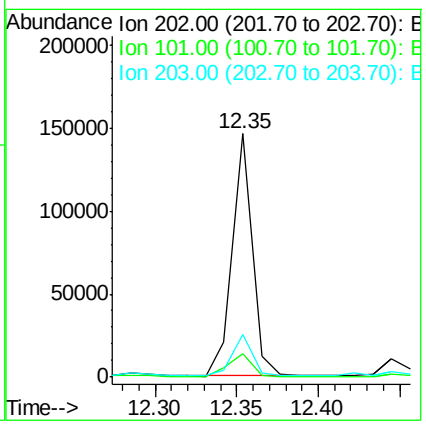
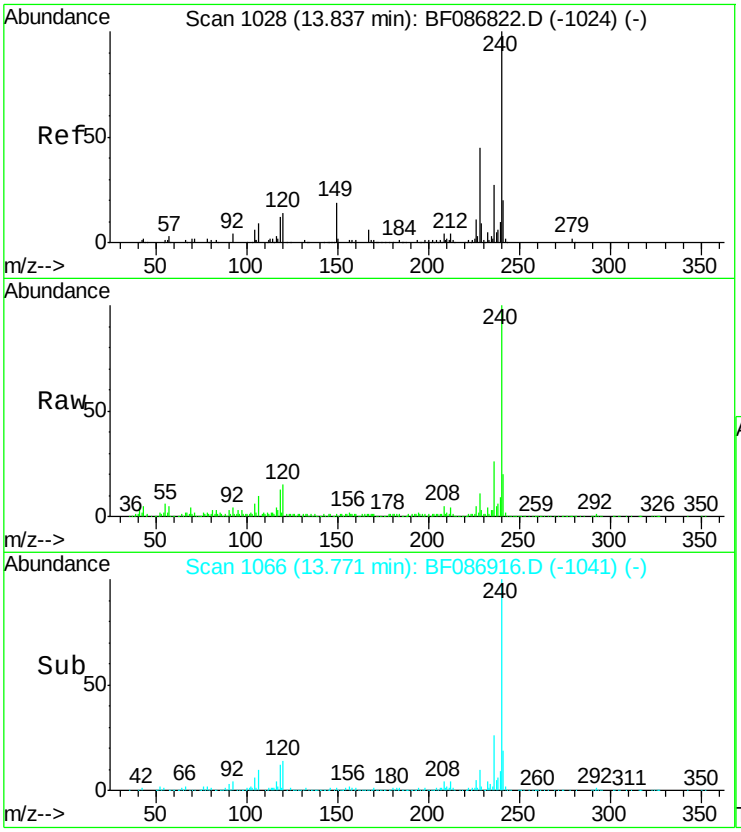


#74
Fluoranthene
Concen: 7.33 ng
RT: 12.35 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:202 Resp: 123798

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	35.4
203	17.3	0.0	38.1

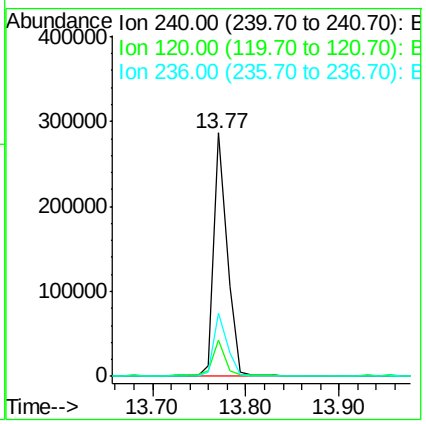




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:240 Resp: 285780

Ion	Ratio	Lower	Upper
240	100		
120	14.7	11.2	16.8
236	26.0	21.2	31.8



Instrument :
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ClientSampleId :
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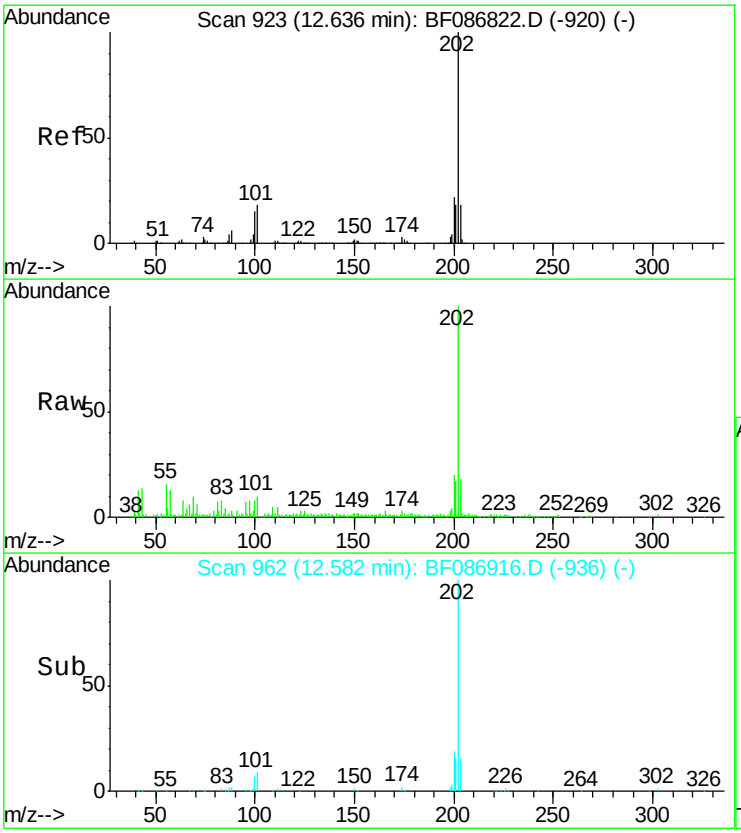
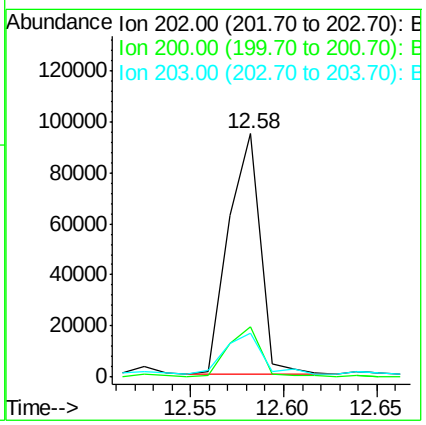
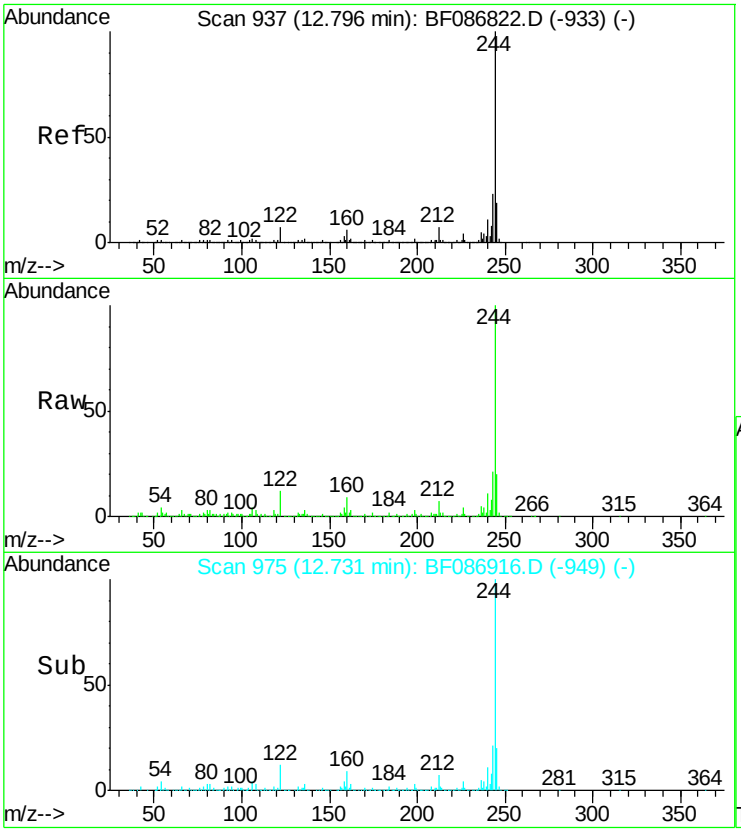


#77
Pyrene
Concen: 5.18 ng
RT: 12.58 min Scan# 962
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:202 Resp: 113309

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.7	26.5
203	17.8	14.2	21.4

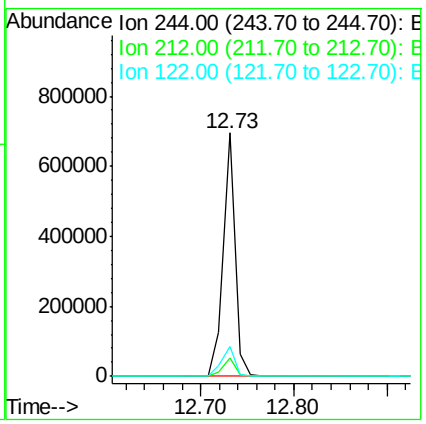




#78
Terphenyl-d14
Concen: 45.66 ng
RT: 12.73 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:244 Resp: 614953

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	12.2	12.0	18.0



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Manual Integrations APPROVED
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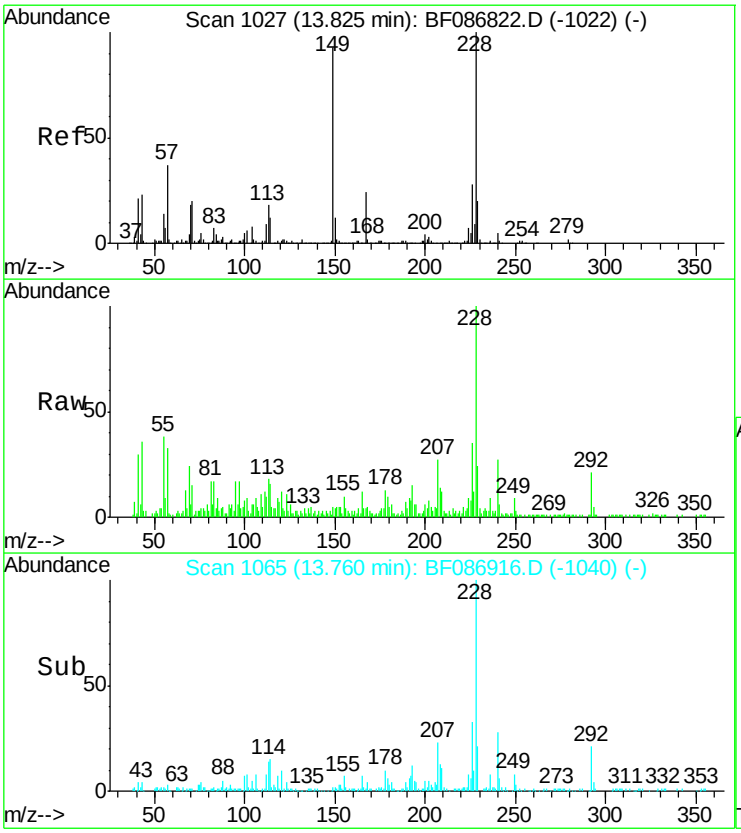
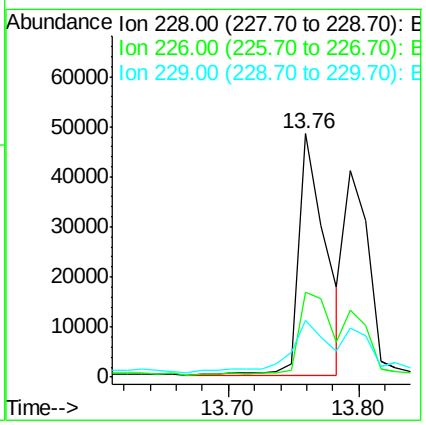
5/12/2016 9:09:11 AM

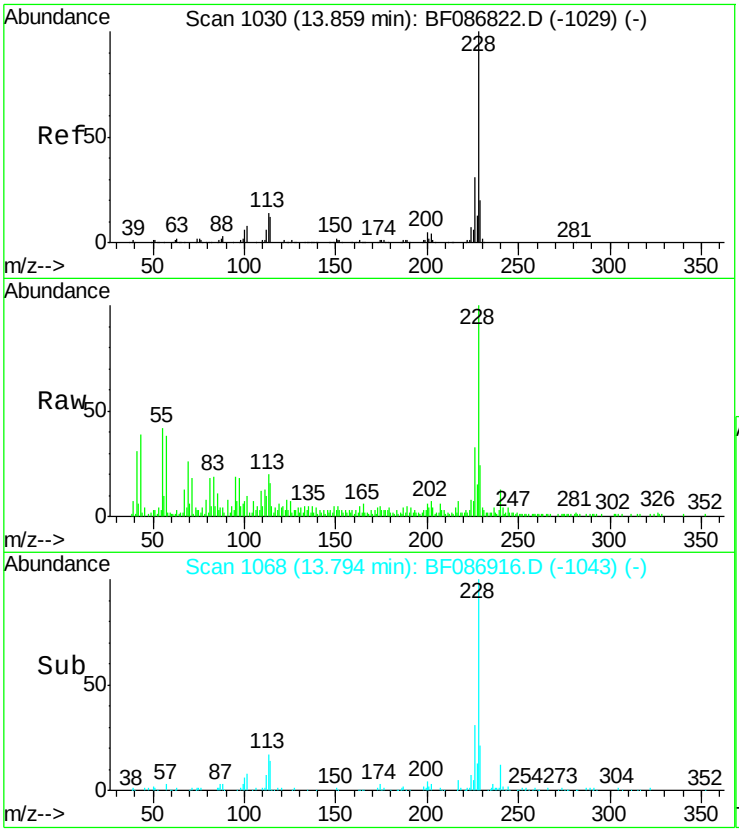


#80
Benzo(a)anthracene
Concen: 4.31 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:228 Resp: 69106

Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.5	33.7#
229	23.5	16.6	25.0





#82
Chrysene
Concen: 3.29 ng m
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:228 Resp: 53627

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.4	36.6
229	23.9	15.8	23.8#

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Manual Integrations APPROVED
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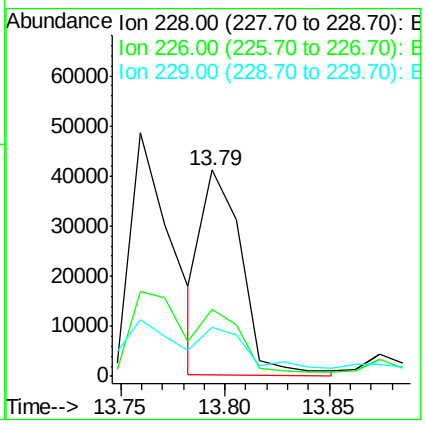
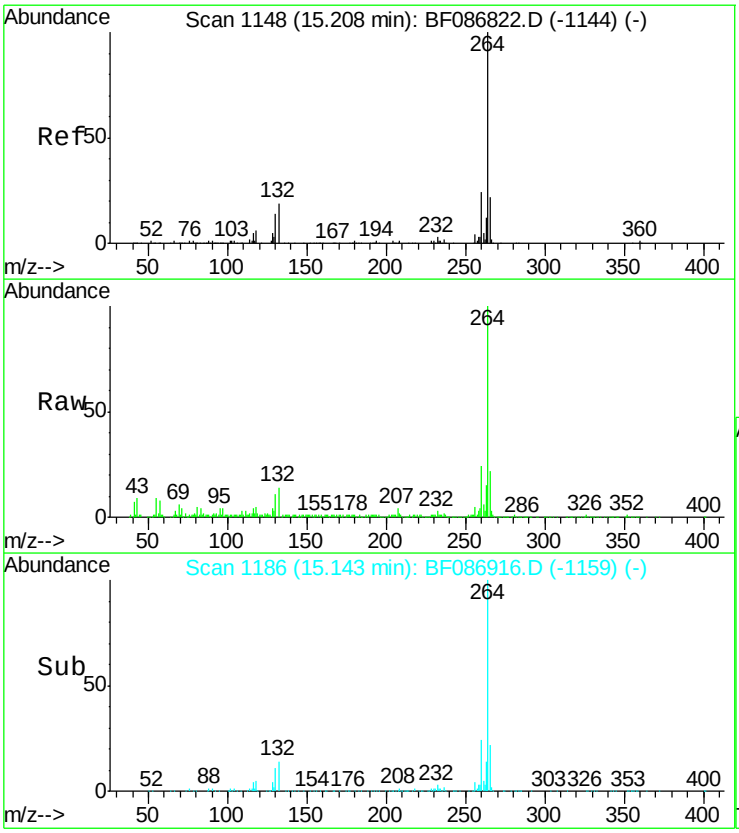
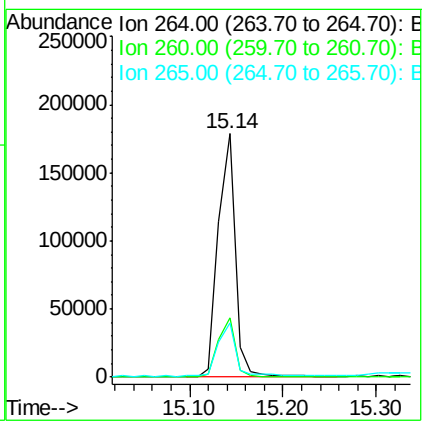


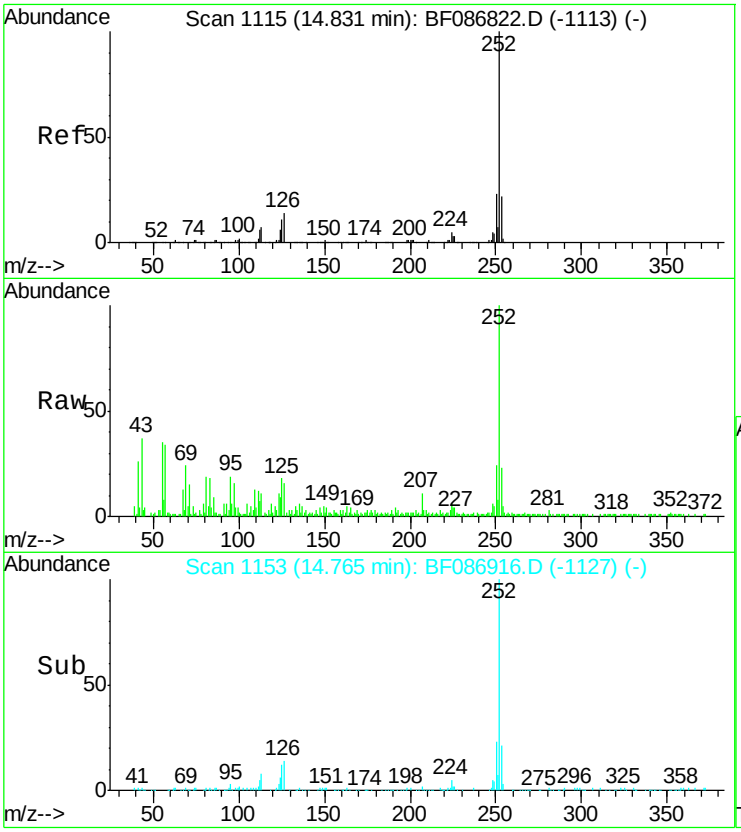


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:264 Resp: 224973

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.0	17.3	25.9





#87
Benzo(b)fluoranthene
Concen: 4.48 ng m
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:252 Resp: 65440

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	17.6	11.4	17.0#

Instrument :
BNA_F
ClientSampleId :
TP31-5FT

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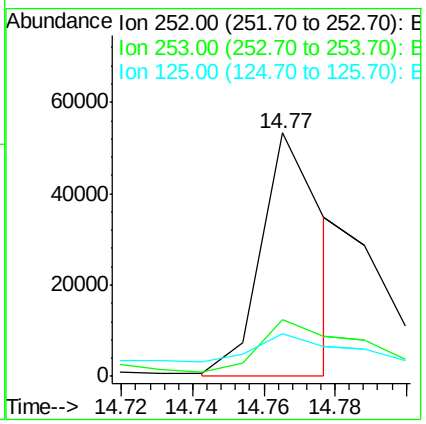
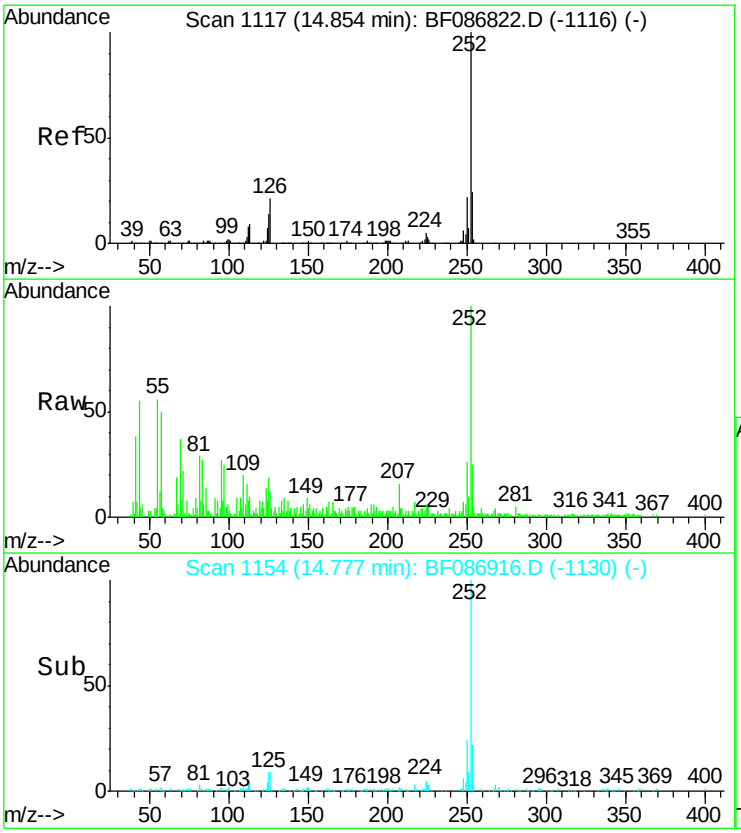
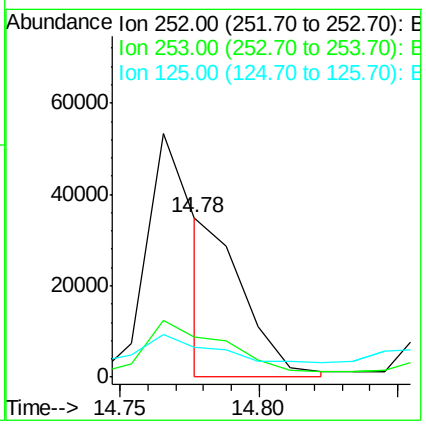


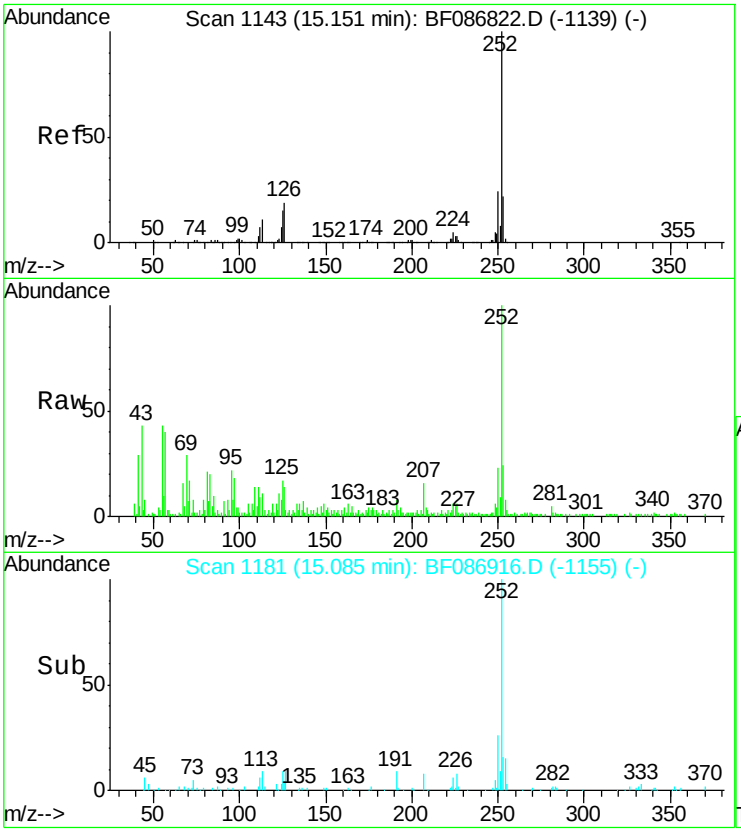


#88
Benzo(k)fluoranthene
Concen: 2.45 ng m
RT: 14.78 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:252 Resp: 29309

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	18.9	9.1	13.7#

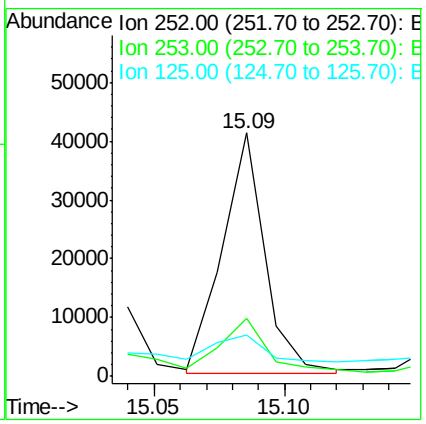




#89
Benzo(a)pyrene
Concen: 3.69 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:252 Resp: 46490

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	17.1	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
TP31-5FT

Manual Integrations APPROVED
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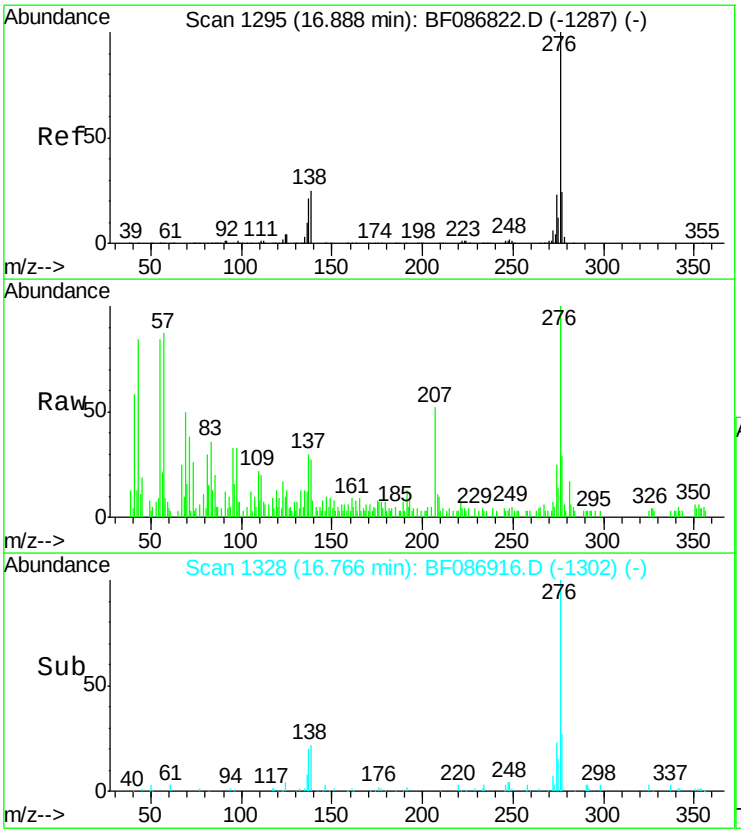
5/12/2016 9:09:11 AM



#91
Benzo(g,h,i)perylene
Concen: 2.20 ng
RT: 16.77 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF086916.D
Acq: 12 May 2016 4:49

Tgt Ion:276 Resp: 23803

Ion	Ratio	Lower	Upper
276	100		
277	28.7	19.6	29.4
138	26.9	23.6	35.4