Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087871.D
Acq On : 10 Jun 2016 13:34
Operator : UM/SJ
Sample : H3426-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
SOHIL
6/13/2016 7:10:43 PM

Quant Time: Jun 10 18:13:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	125720	20.00	ng		-0.03
21) Naphthalene-d8	8.10	136	504409	20.00	ng		-0.02
38) Acenaphthene-d10	9.85	164	214612	20.00	ng		-0.03
63) Phenanthrene-d10	11.32	188	416085	20.00	ng		-0.03
75) Chrysene-d12	13.95	240	271191	20.00	ng		-0.03
86) Perylene-d12	15.36	264	272054	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	687604	93.50	ng		-0.02
7) Phenol-d6	6.44	99	872107	97.85	ng		-0.03
23) Nitrobenzene-d5	7.38	82	631617	73.12	ng		-0.03
41) 2,4,6-Tribromophenol	10.64	330	216132	95.38	ng		-0.03
44) 2-Fluorobiphenyl	9.18	172	930430	66.93	ng		-0.03
78) Terphenyl-d14	12.90	244	713930	59.91	ng		-0.05
Target Compounds							Qvalue
49) Dimethylphthalate	9.56	163	79860	5.14	ng		99
70) Phenanthrene	11.35	178	247701	11.34	ng		98
71) Anthracene	11.39	178	67561	3.07	ng		97
74) Fluoranthene	12.52	202	327252	14.20	ng		96
77) Pyrene	12.75	202	292419	14.53	ng		99
80) Benzo(a)anthracene	13.94	228	147671	9.56	ng		97
82) Chrysene	13.98	228	127328m	8.76	ng		
85) Indeno(1,2,3-cd)pyrene	16.71	276	83428	6.18	ng	#	100
87) Benzo(b)fluoranthene	14.96	252	176573m	9.31	ng		
88) Benzo(k)fluoranthene	14.98	252	64415m	4.50	ng		
89) Benzo(a)pyrene	15.30	252	128462	8.37	ng	#	94
91) Benzo(g,h,i)perylene	17.12	276	75596	5.16	ng		97

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

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BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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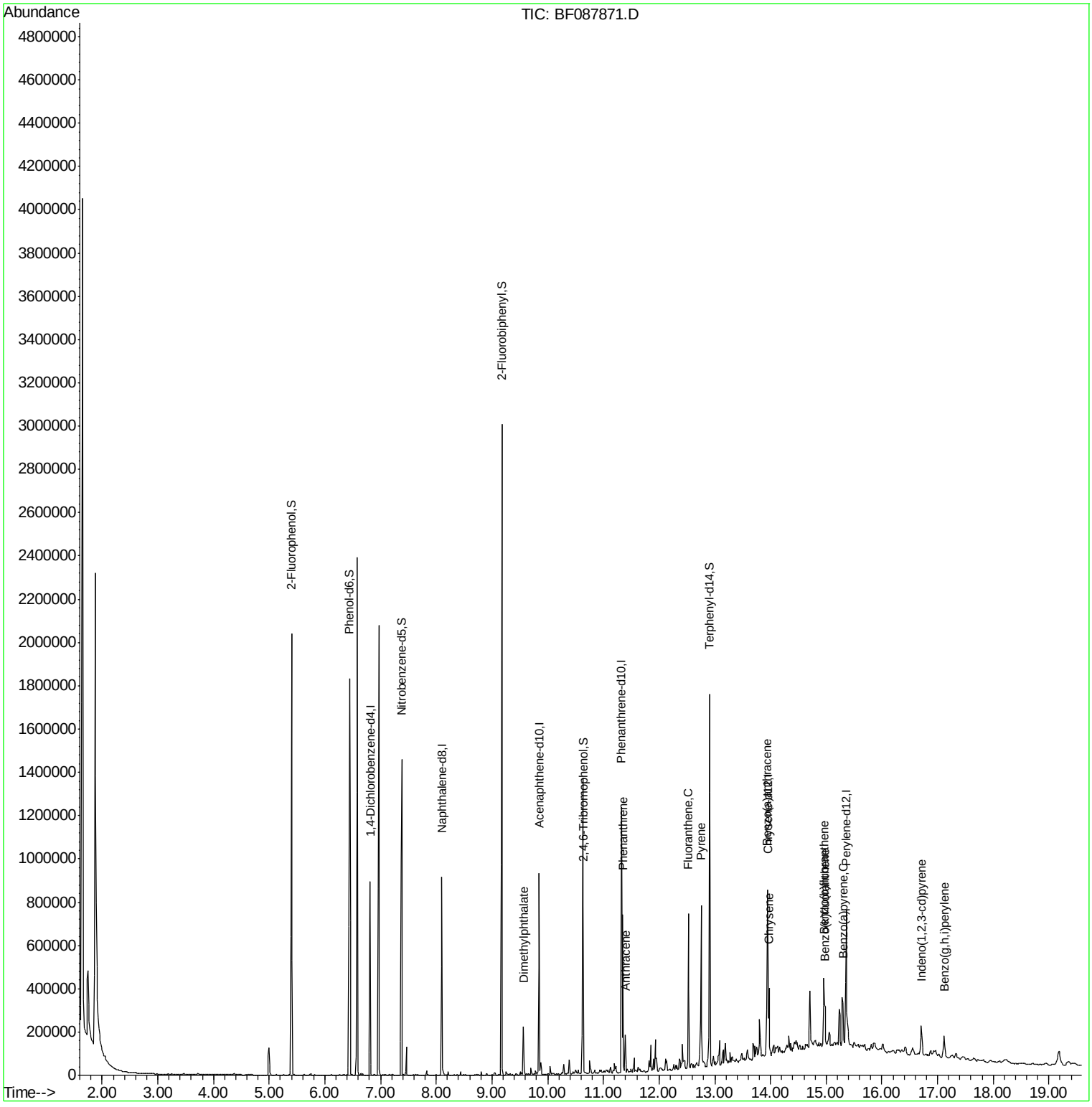
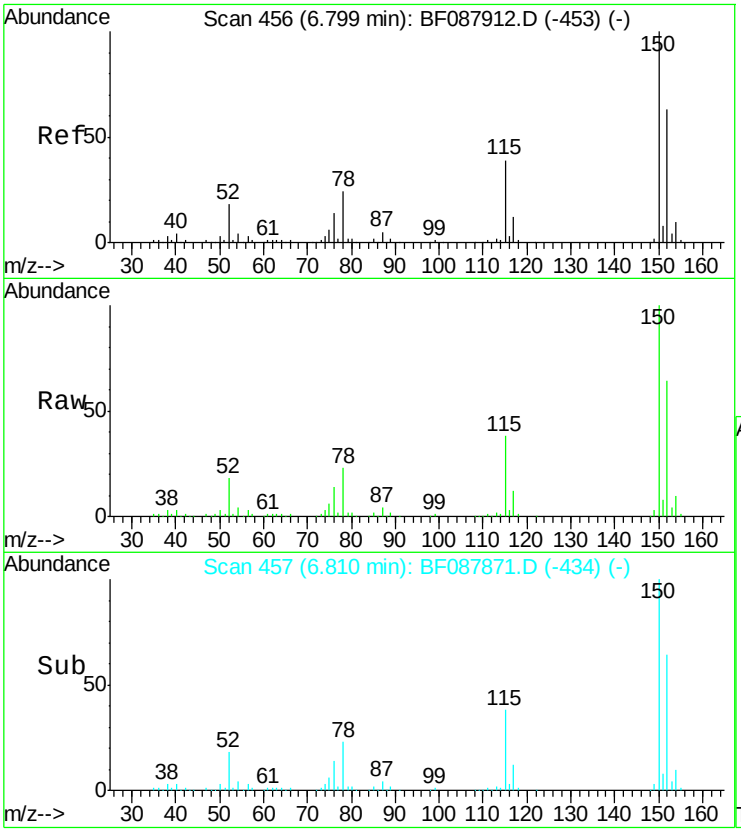
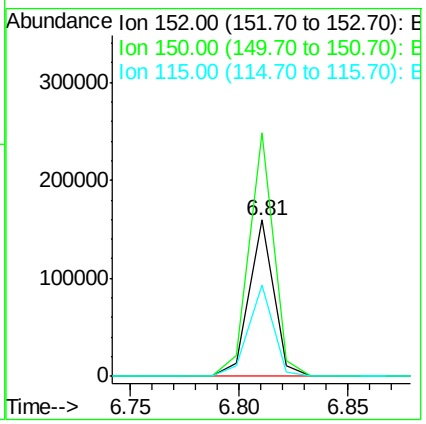




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:152 Resp: 125720

Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.8	185.6
115	58.5	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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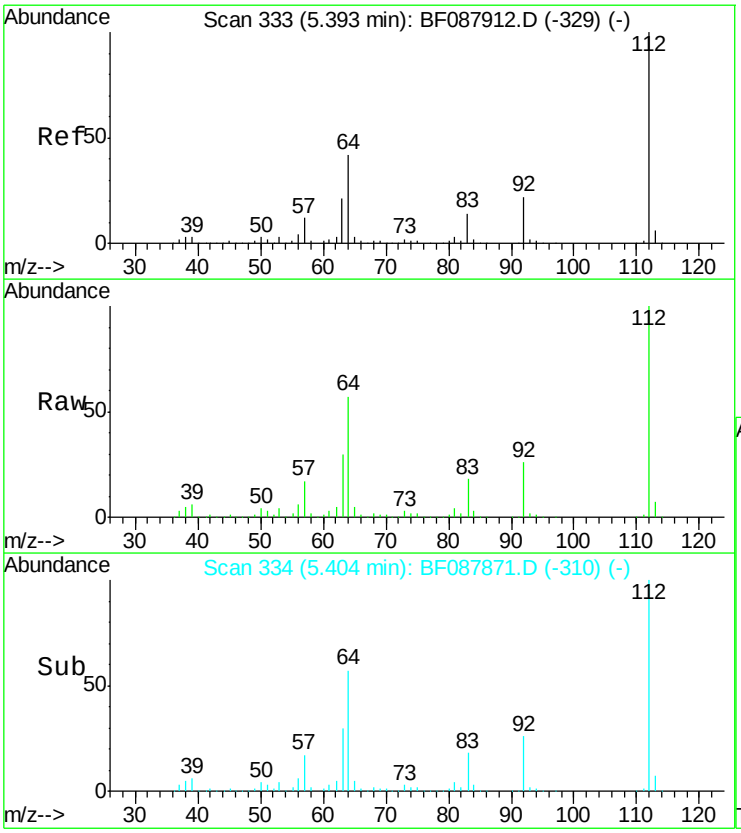
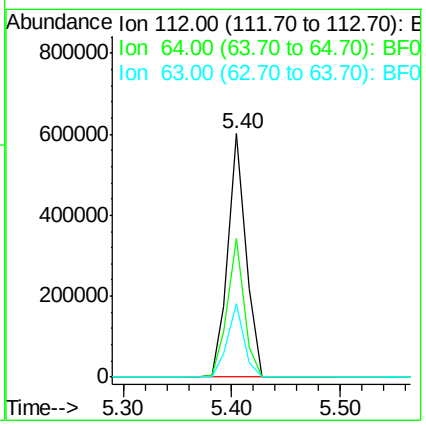
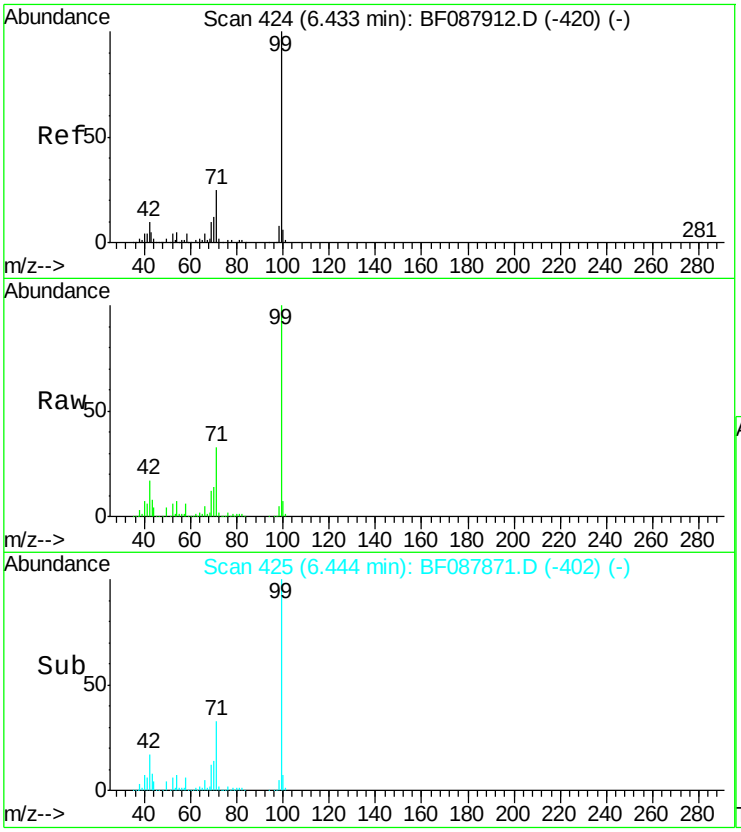


#5
2-Fluorophenol
Concen: 93.50 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:112 Resp: 687604

Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.2	63.2
63	29.9	21.8	32.8

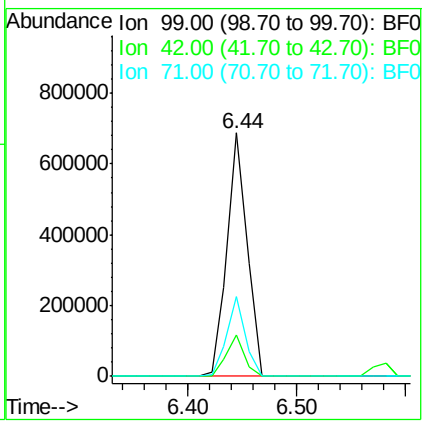




#7
Phenol-d6
Concen: 97.85 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion: 99 Resp: 872107

Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.2	18.2
71	33.0	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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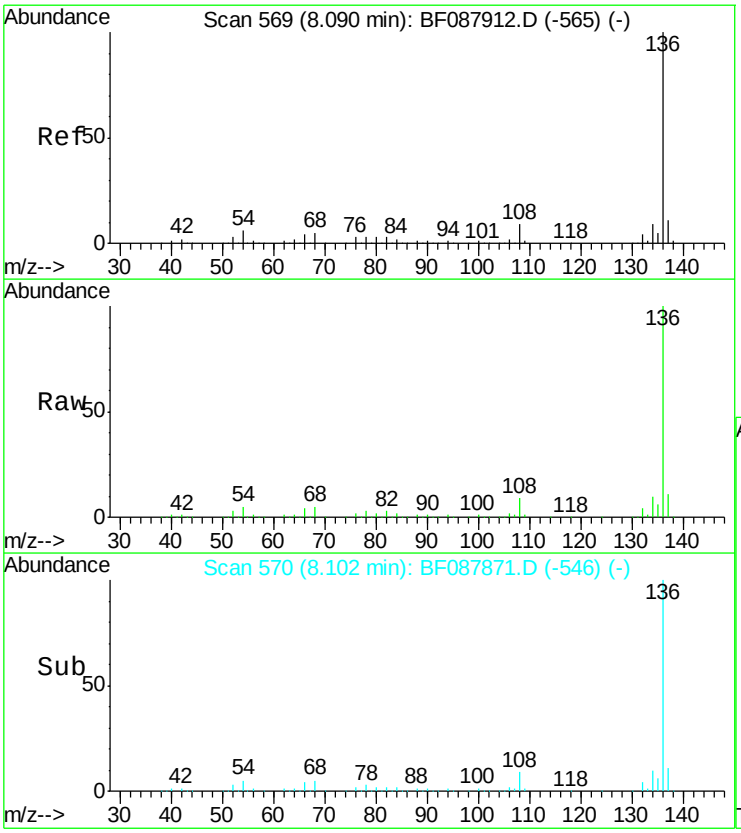
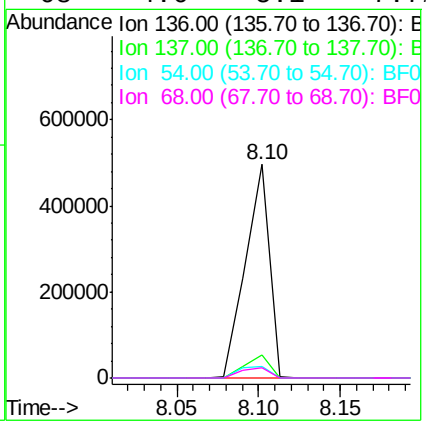
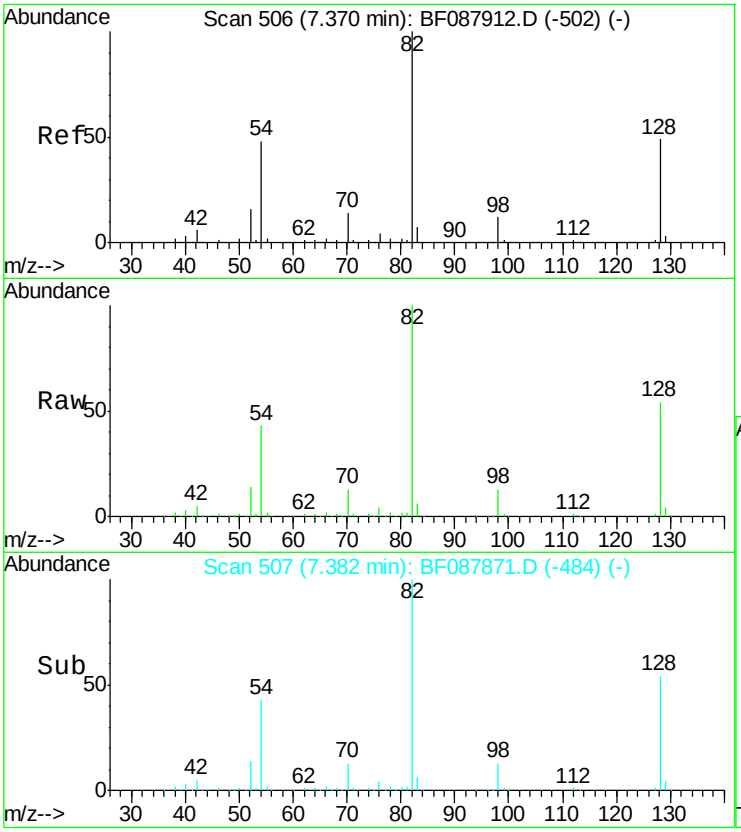


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:136 Resp: 504409

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.2	6.6	10.0#
68	4.6	5.1	7.7#

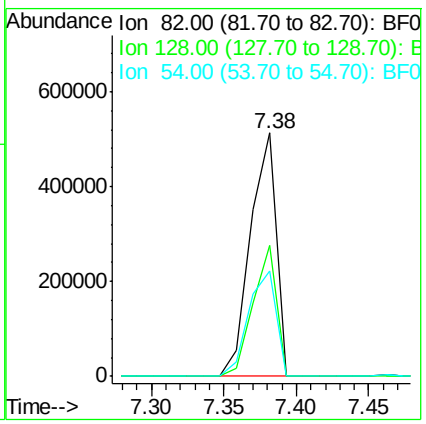




#23
Nitrobenzene-d5
Concen: 73.12 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion: 82 Resp: 631617

Ion	Ratio	Lower	Upper
82	100		
128	53.6	35.9	53.9
54	43.5	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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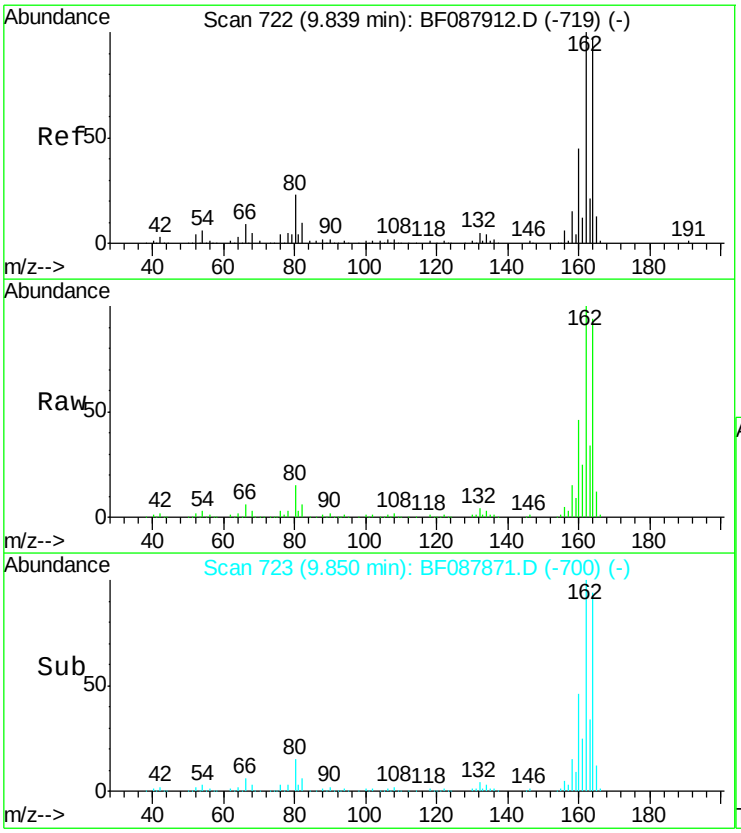
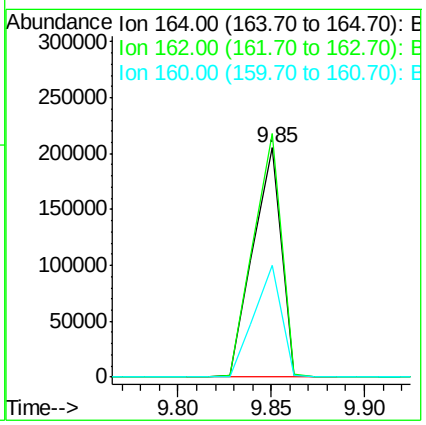
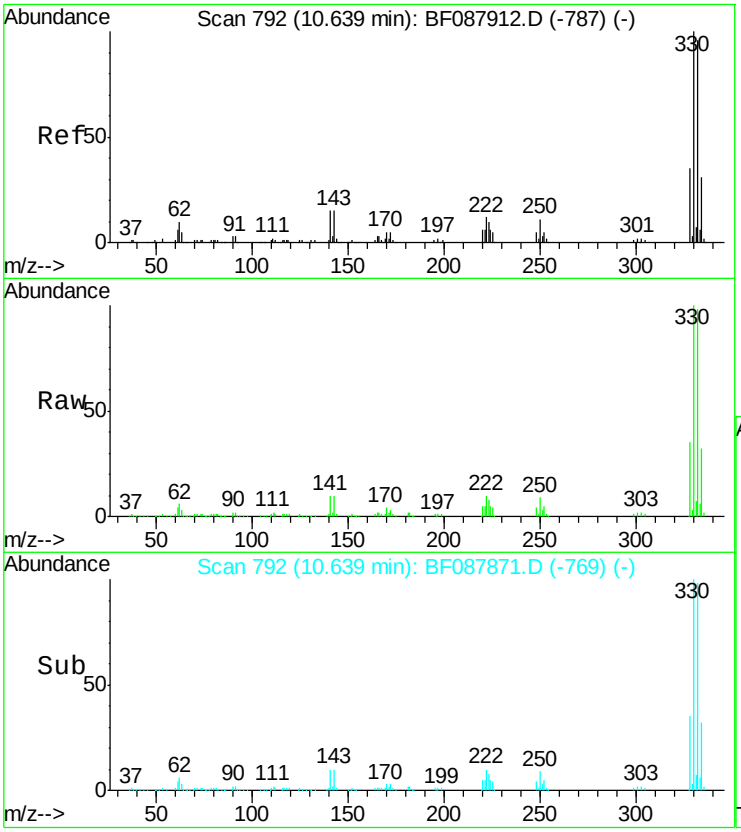


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:164 Resp: 214612

Ion	Ratio	Lower	Upper
164	100		
162	106.2	85.4	128.2
160	49.0	39.5	59.3

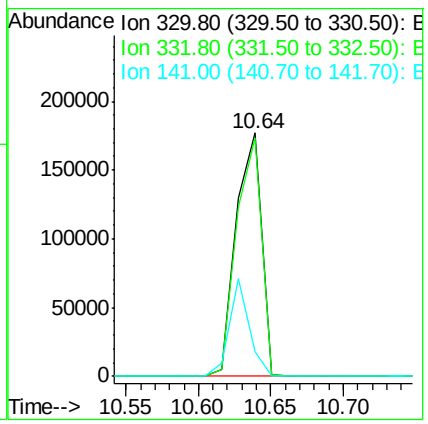




#41
2,4,6-Tribromophenol
Concen: 95.38 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:330 Resp: 216132

Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	31.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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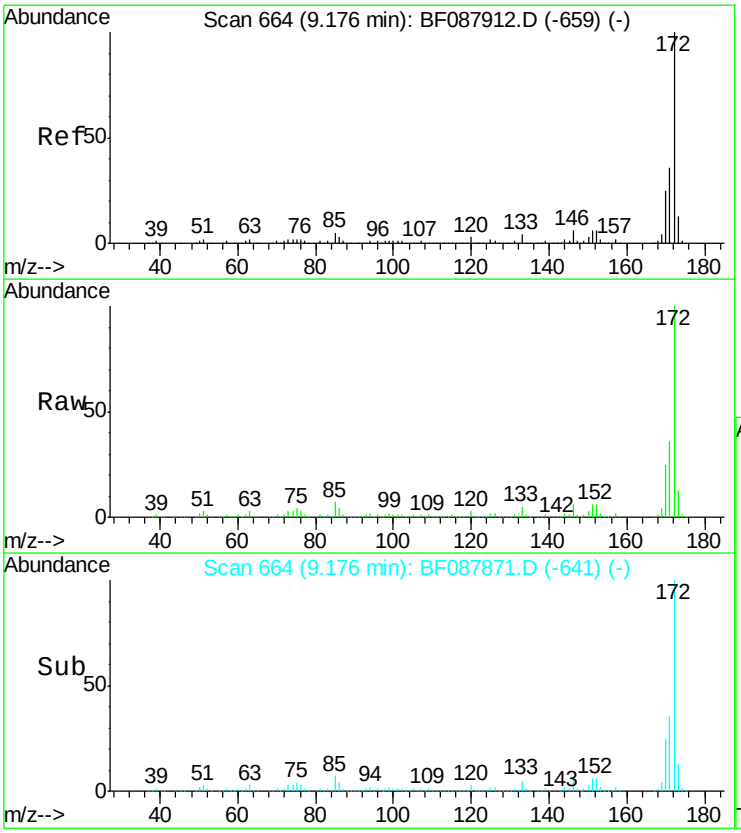
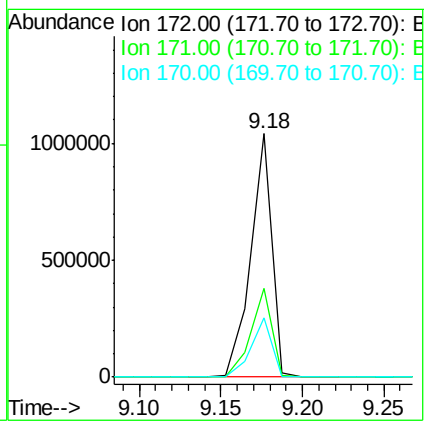
6/13/2016 7:10:43 PM

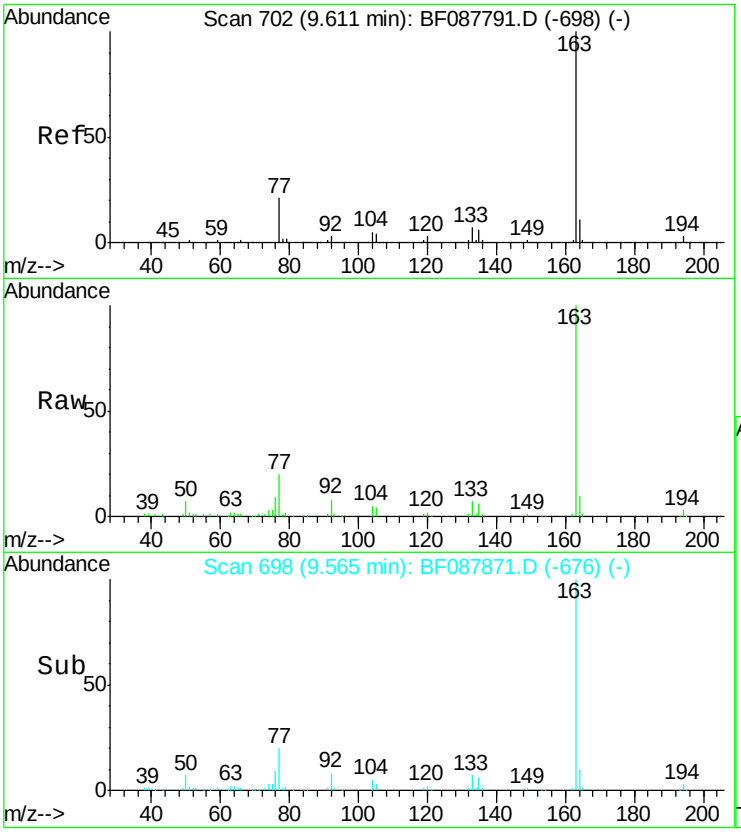


#44
2-Fluorobiphenyl
Concen: 66.93 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:172 Resp: 930430

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.6	19.2	28.8

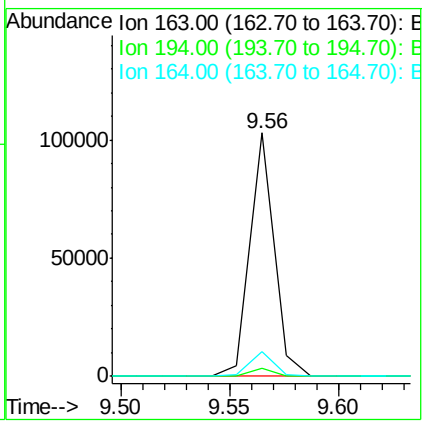




#49
Dimethylphthalate
Concen: 5.14 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:163 Resp: 79860

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.0	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
DUP-5

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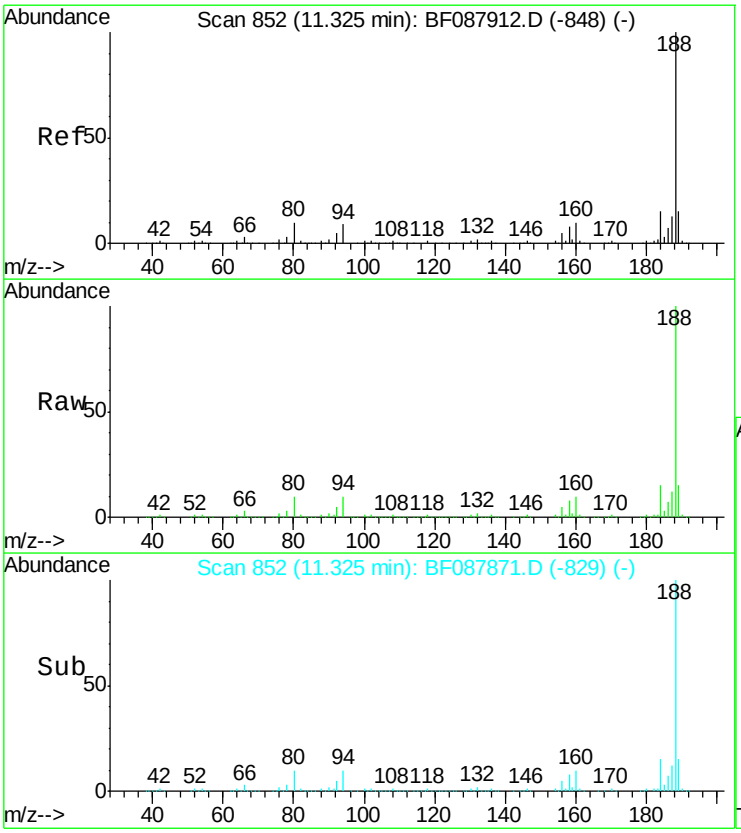
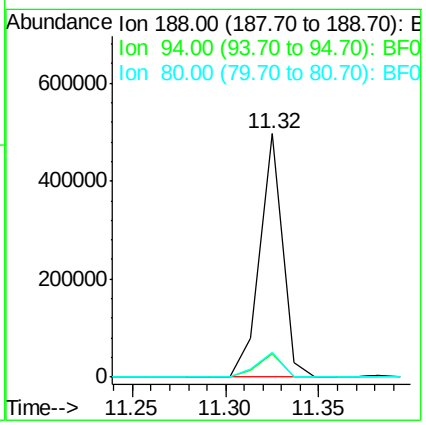
6/13/2016 7:10:43 PM

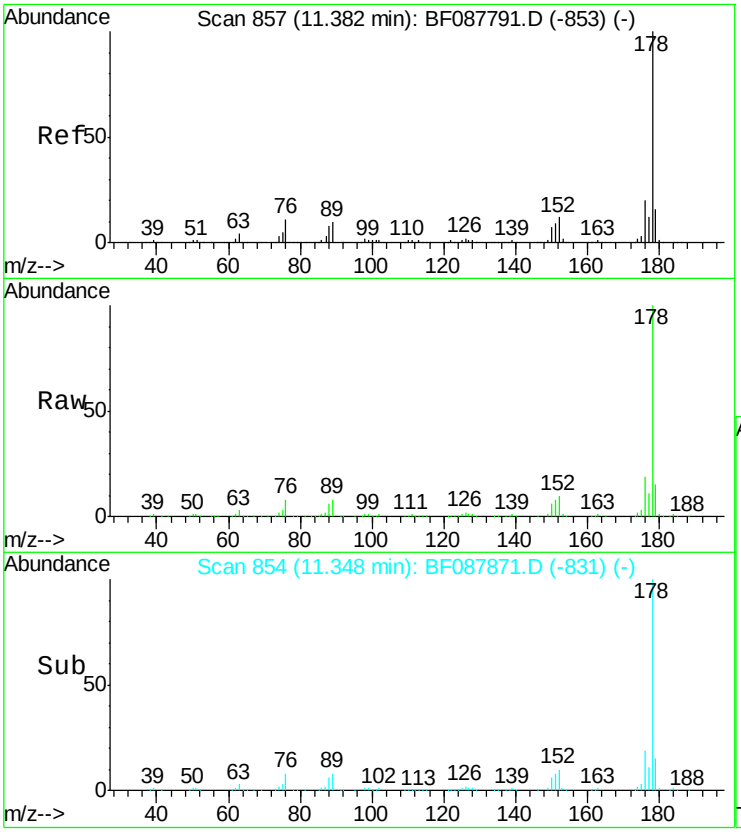


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:188 Resp: 416085

Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.0	13.6
80	10.3	10.0	15.0

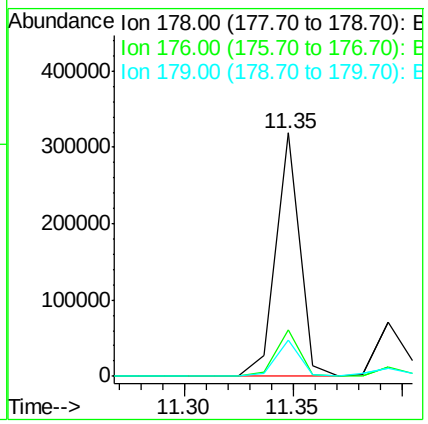




#70
Phenanthrene
Concen: 11.34 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:178 Resp: 247701

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.0	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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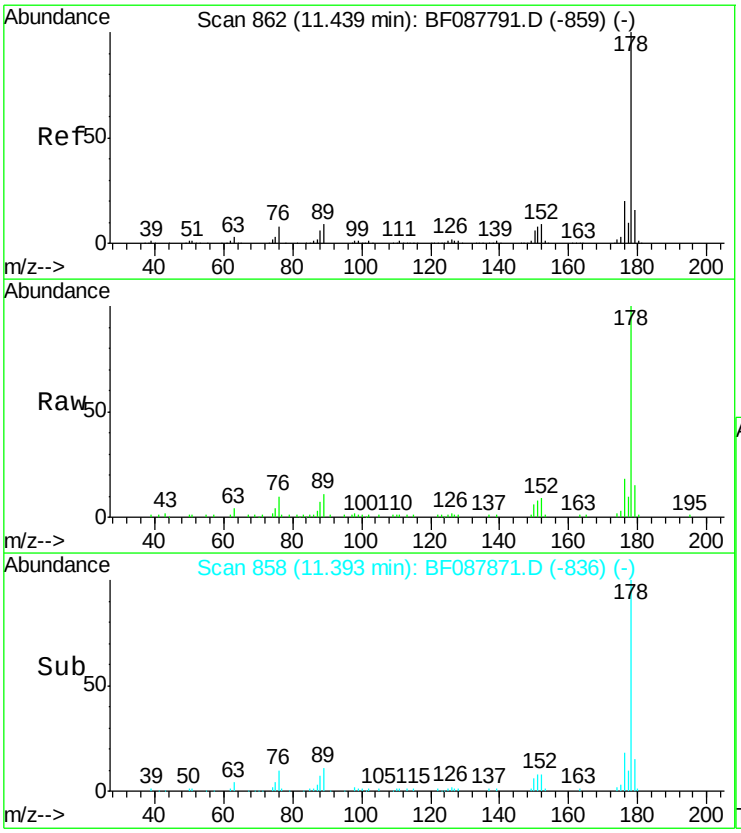
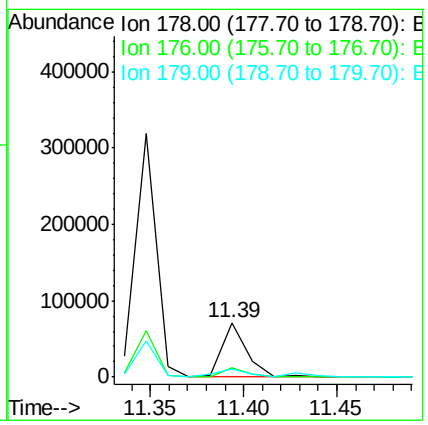
6/13/2016 7:10:43 PM

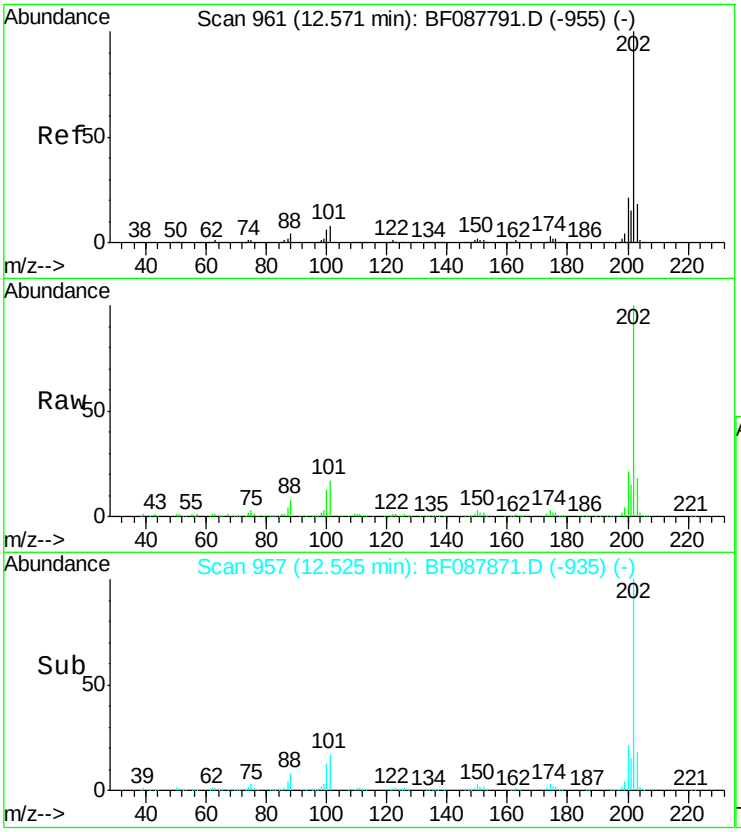


#71
Anthracene
Concen: 3.07 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:178 Resp: 67561

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	15.3	12.8	19.2

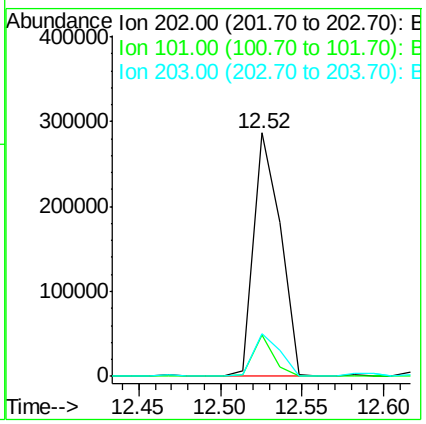




#74
Fluoranthene
Concen: 14.20 ng
RT: 12.52 min Scan# 957
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:202 Resp: 327252

Ion	Ratio	Lower	Upper
202	100		
101	16.8	0.0	33.1
203	17.8	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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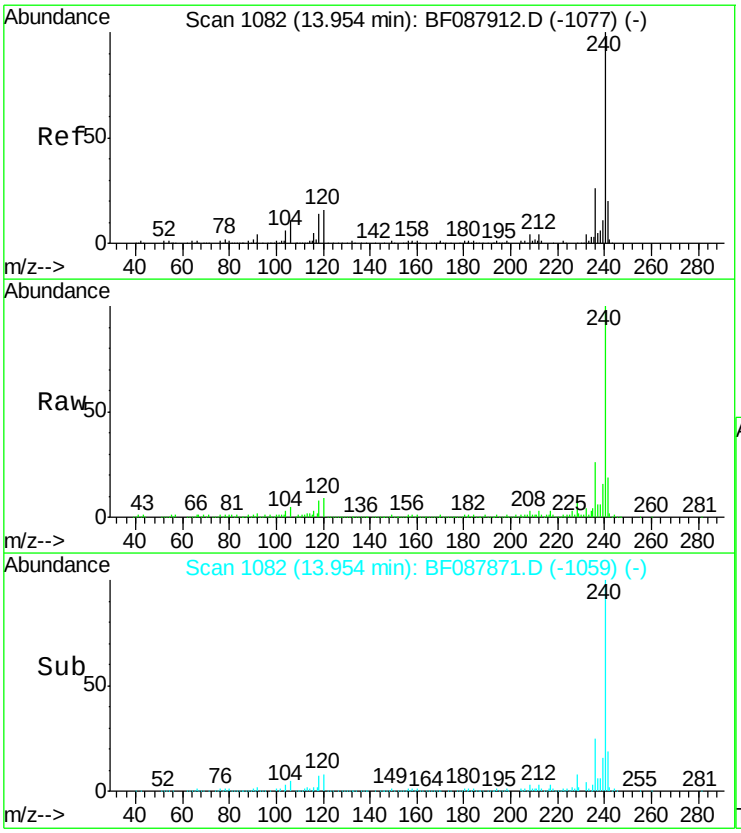
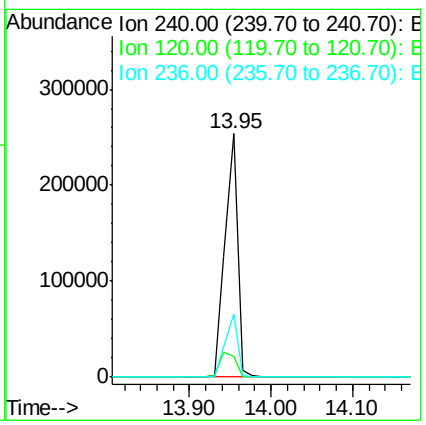
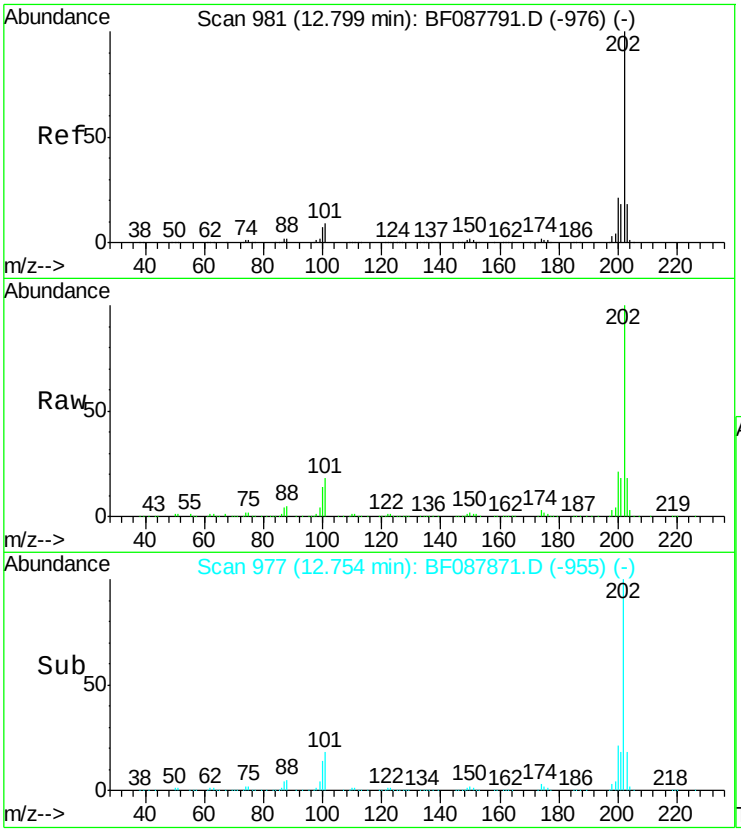


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:240 Resp: 271191

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.8	10.2
236	25.7	20.2	30.2

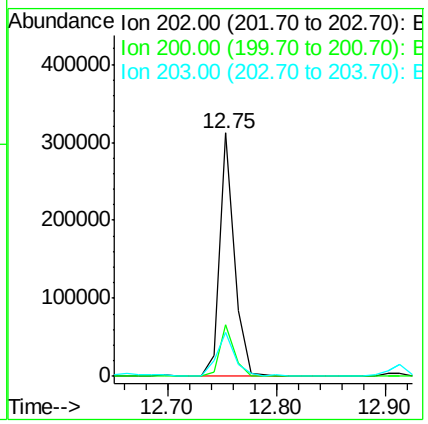




#77
Pyrene
Concen: 14.53 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

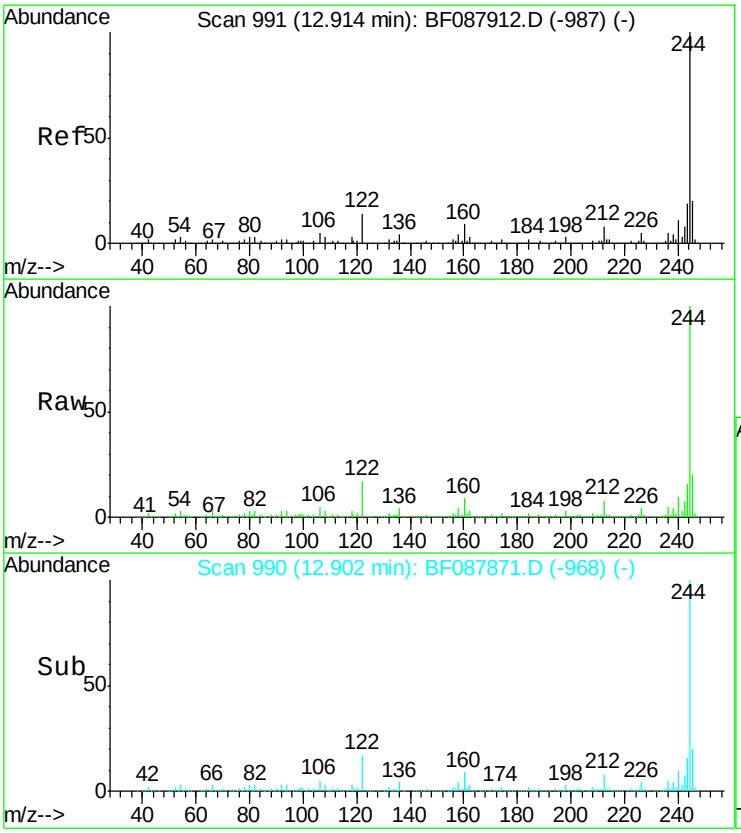
Tgt Ion:202 Resp: 292419

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.3	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
DUP-5

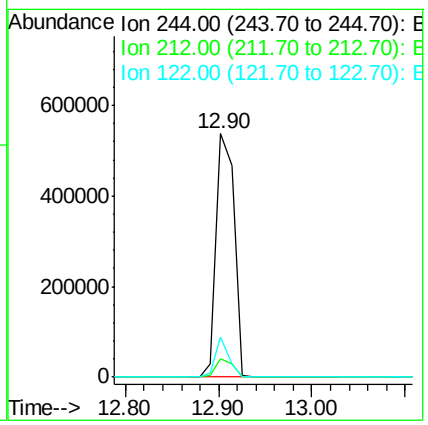
Manual Integrations APPROVED
SOHIL
6/13/2016 7:10:43 PM

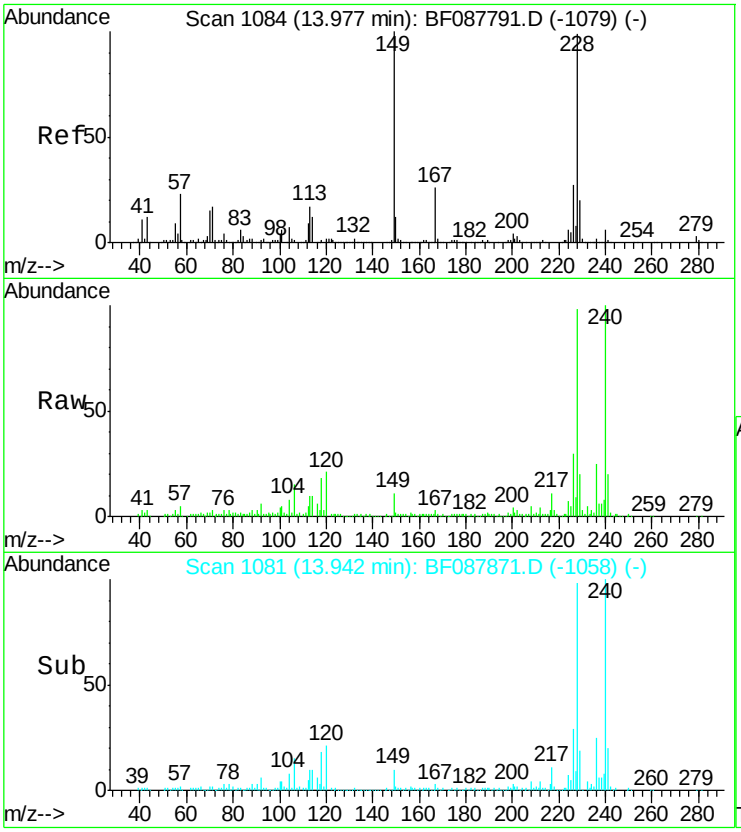


#78
Terphenyl-d14
Concen: 59.91 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:244 Resp: 713930

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	16.5	11.2	16.8

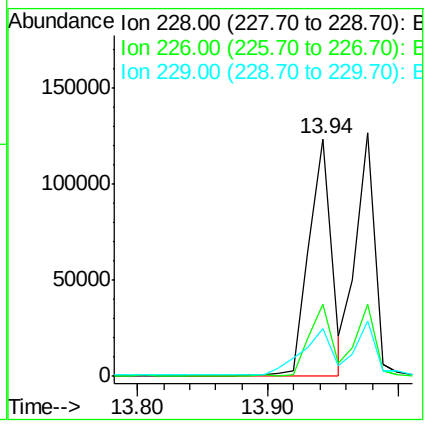




#80
Benzo(a)anthracene
Concen: 9.56 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:228 Resp: 147671

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.3	33.5
229	20.2	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
DUP-5

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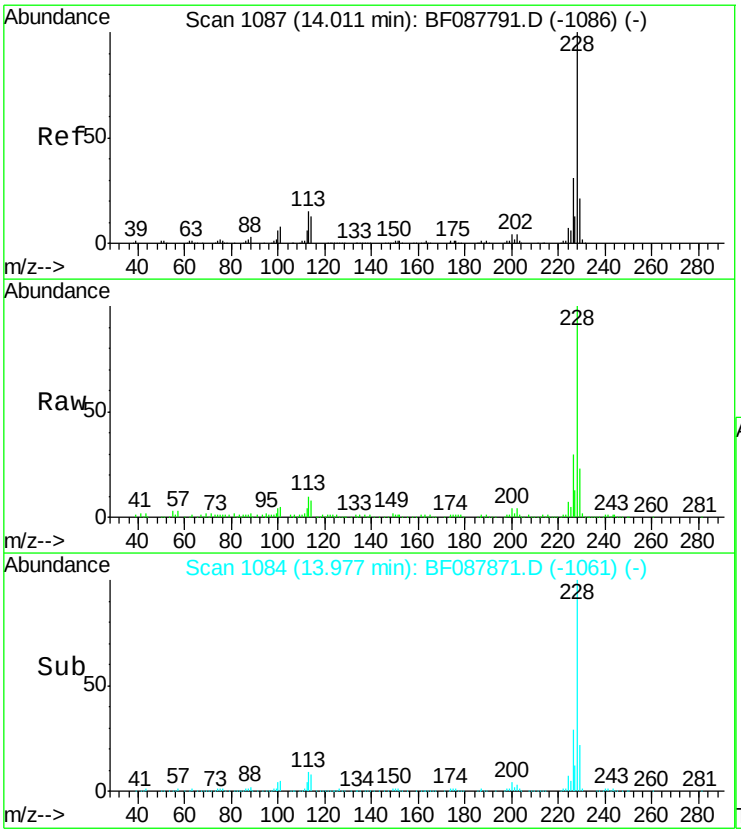
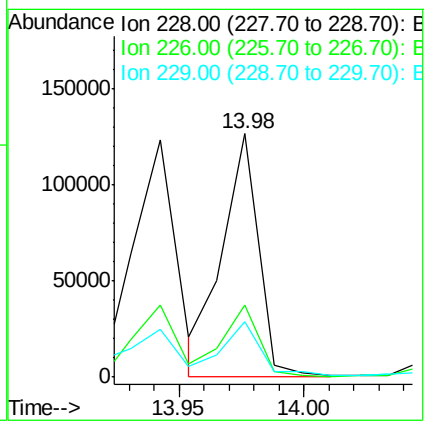
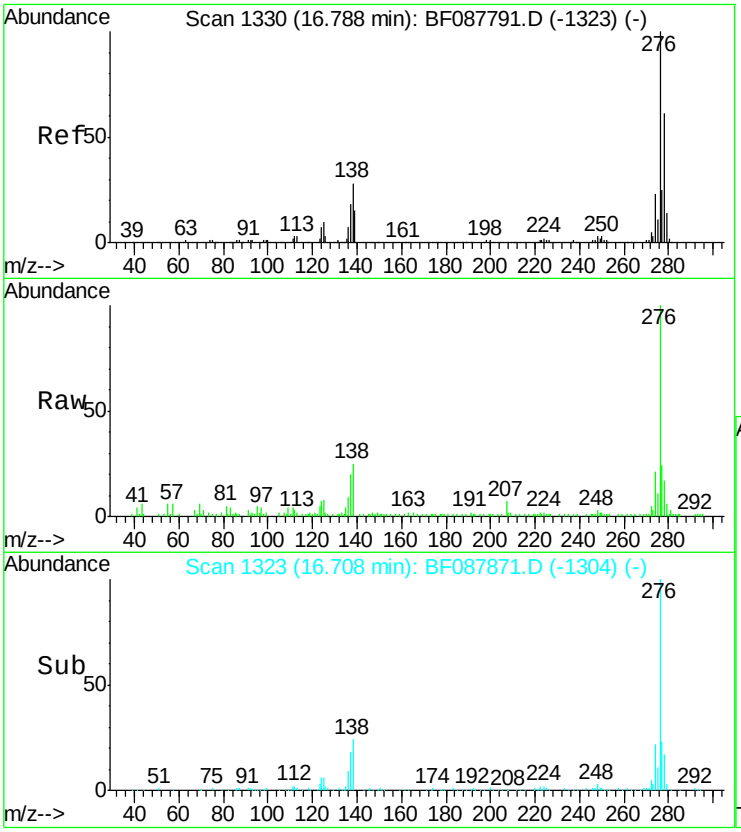


#82
Chrysene
Concen: 8.76 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:228 Resp: 127328

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	22.6	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 6.18 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.08 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:276 Resp: 83428

Ion	Ratio	Lower	Upper
276	100		
138	28.5	0.0	0.0#
277	27.9	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
DUP-5

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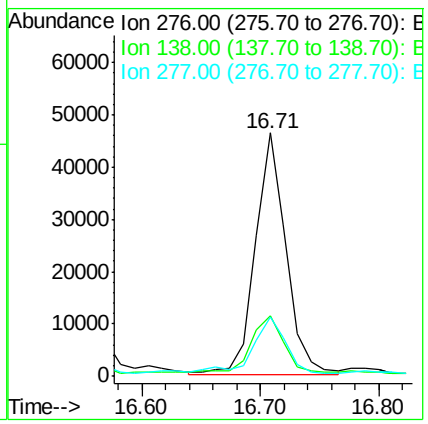
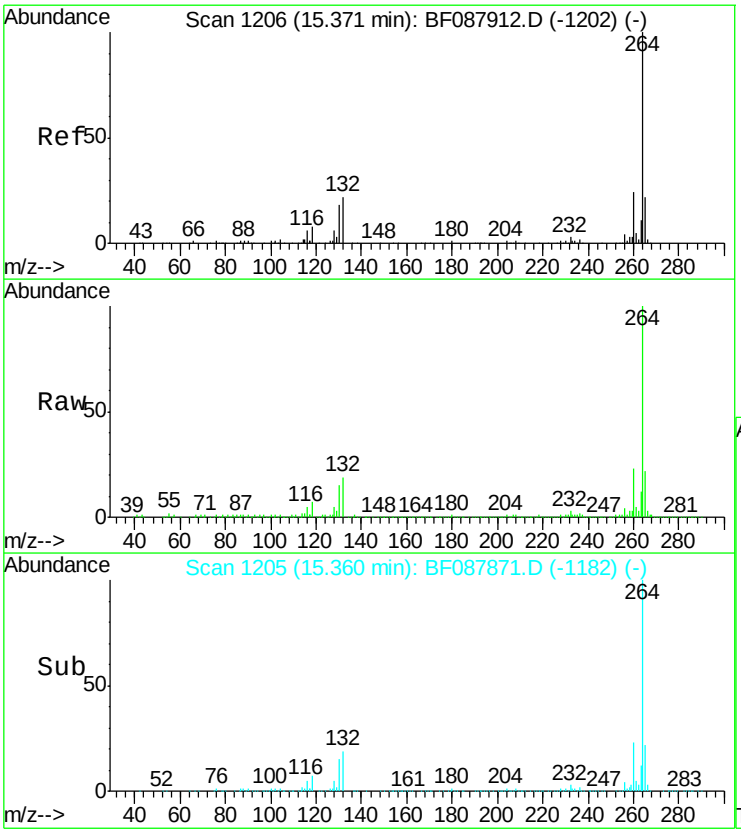
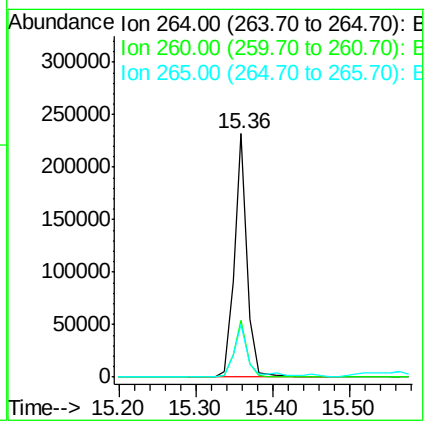


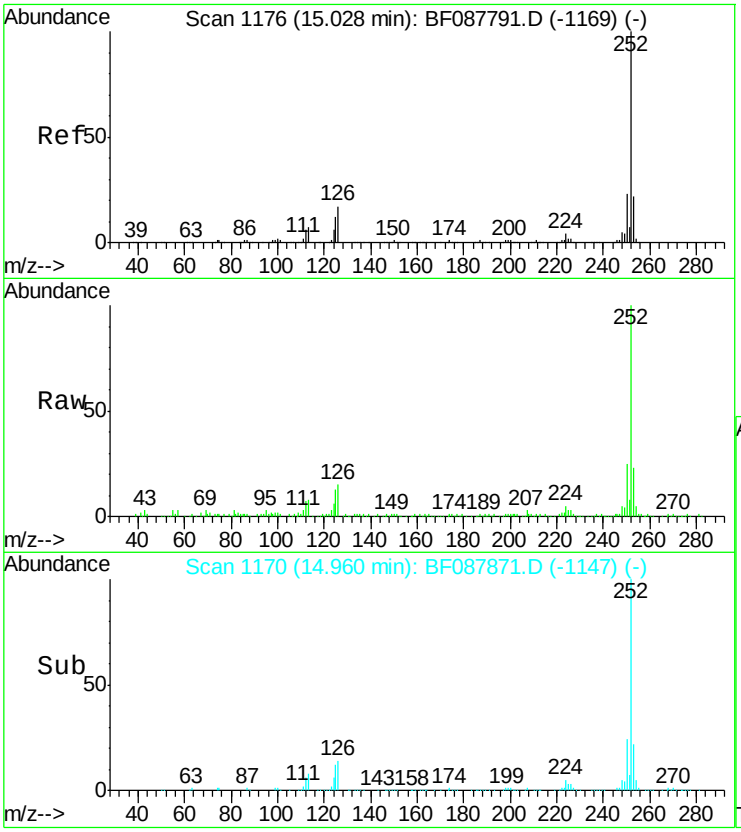


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:264 Resp: 272054

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.0	16.9	25.3

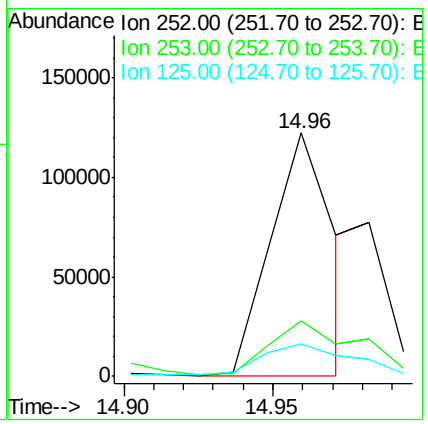




#87
Benzo(b)fluoranthene
Concen: 9.31 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:252 Resp: 176573

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	13.3	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
DUP-5

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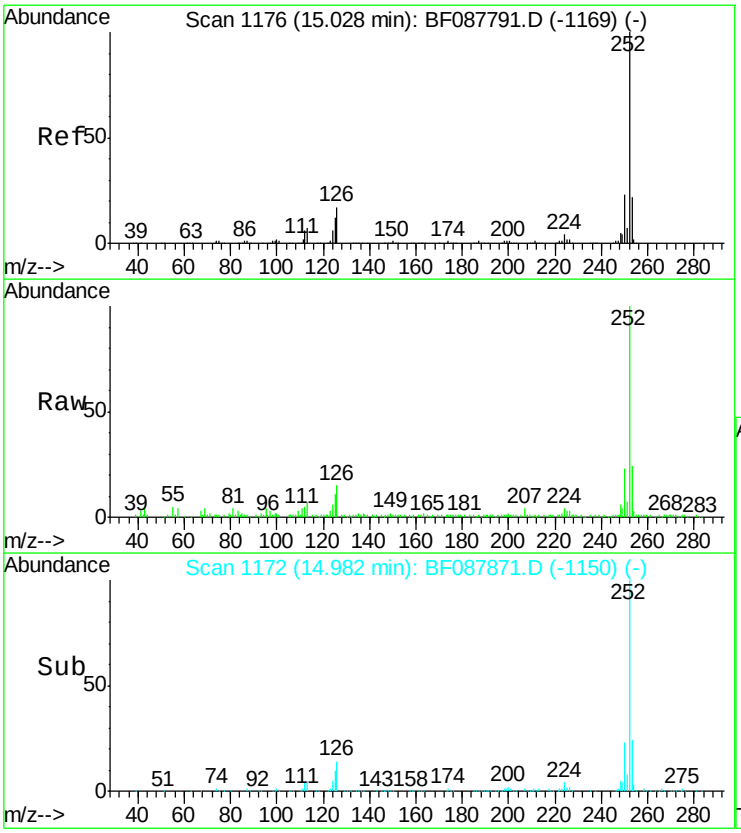
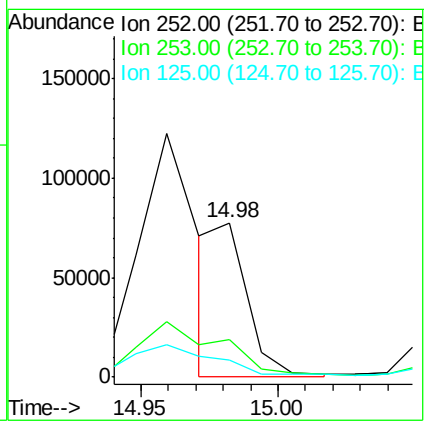
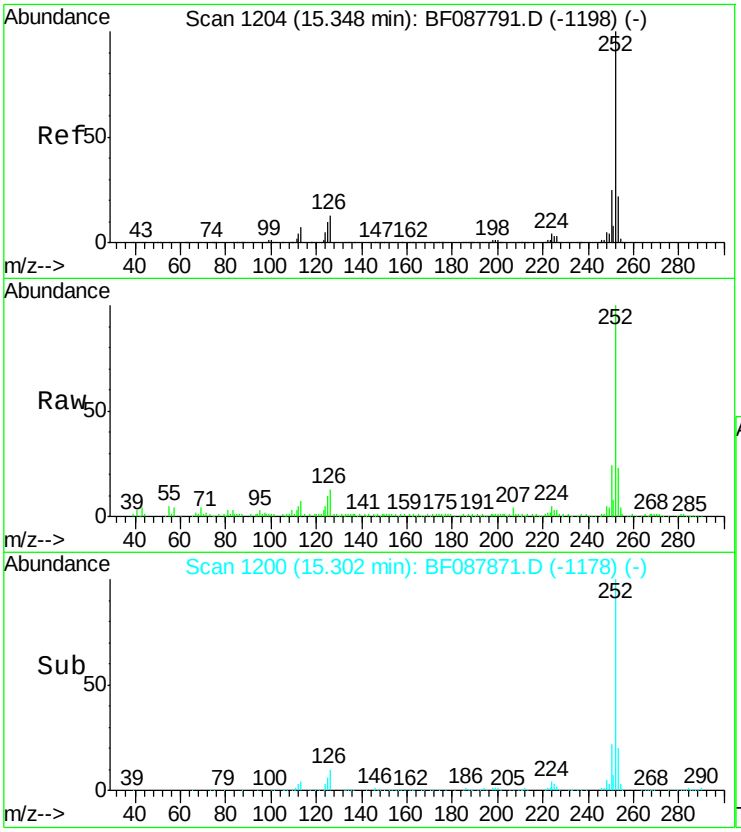


#88
Benzo(k)fluoranthene
Concen: 4.50 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:252 Resp: 64415

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	11.3	11.2	16.8





#89
Benzo(a)pyrene
Concen: 8.37 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:252 Resp: 128462

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.3	12.5	18.7#

Instrument :
BNA_F
ClientSampleId :
DUP-5

Manual Integrations APPROVED
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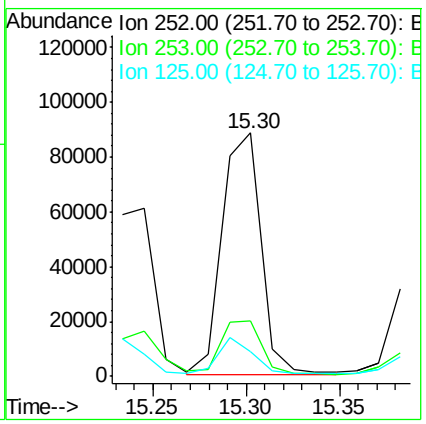

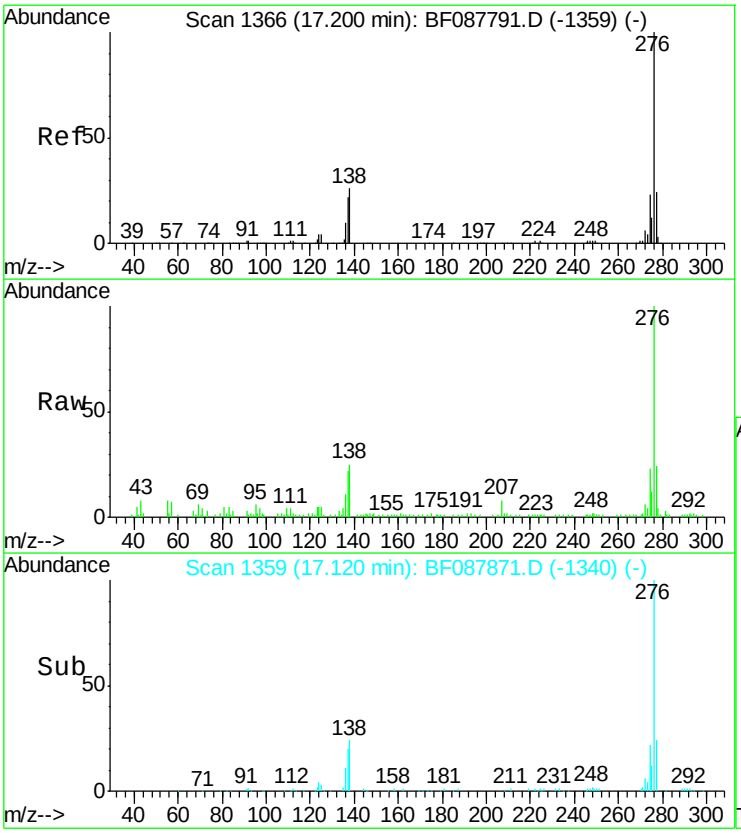

#91
Benzo(g,h,i)perylene
Concen: 5.16 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087871.D
Acq: 10 Jun 2016 13:34

Tgt Ion:276 Resp: 75596

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.9	28.3
138	25.0	21.4	32.2