Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087989.D
Acq On : 13 Jun 2016 18:08
Operator : UM/SJ
Sample : H3419-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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Quant Time: Jun 14 13:20:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114687	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	439640	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	206267	20.00	ng		0.00
63) Phenanthrene-d10	11.31	188	311400	20.00	ng		0.00
75) Chrysene-d12	13.95	240	259326	20.00	ng		0.00
86) Perylene-d12	15.37	264	209747	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	744019	110.90	ng		0.01
7) Phenol-d6	6.43	99	821253	101.01	ng		0.00
23) Nitrobenzene-d5	7.36	82	483021	64.16	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	181599	83.38	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	912716	68.43	ng		0.00
78) Terphenyl-d14	12.90	244	594039	52.13	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.55	163	190228	12.73	ng		100
70) Phenanthrene	11.34	178	157366	9.63	ng		99
71) Anthracene	11.39	178	35066	2.13	ng		98
74) Fluoranthene	12.54	202	210828	12.23	ng		97
77) Pyrene	12.75	202	231750	12.04	ng		99
80) Benzo(a)anthracene	13.94	228	112108	7.59	ng		98
82) Chrysene	13.98	228	114489m	8.23	ng		
85) Indeno(1,2,3-cd)pyrene	16.72	276	38464	2.98	ng	#	100
87) Benzo(b)fluoranthene	14.96	252	130241m	8.91	ng		
88) Benzo(k)fluoranthene	14.98	252	25133m	2.28	ng		
89) Benzo(a)pyrene	15.30	252	78797	6.66	ng	#	93
91) Benzo(g,h,i)perylene	17.13	276	40043	3.54	ng		95

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087989.D
Acq On : 13 Jun 2016 18:08
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Sample : H3419-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 13:20:13 2016
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Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

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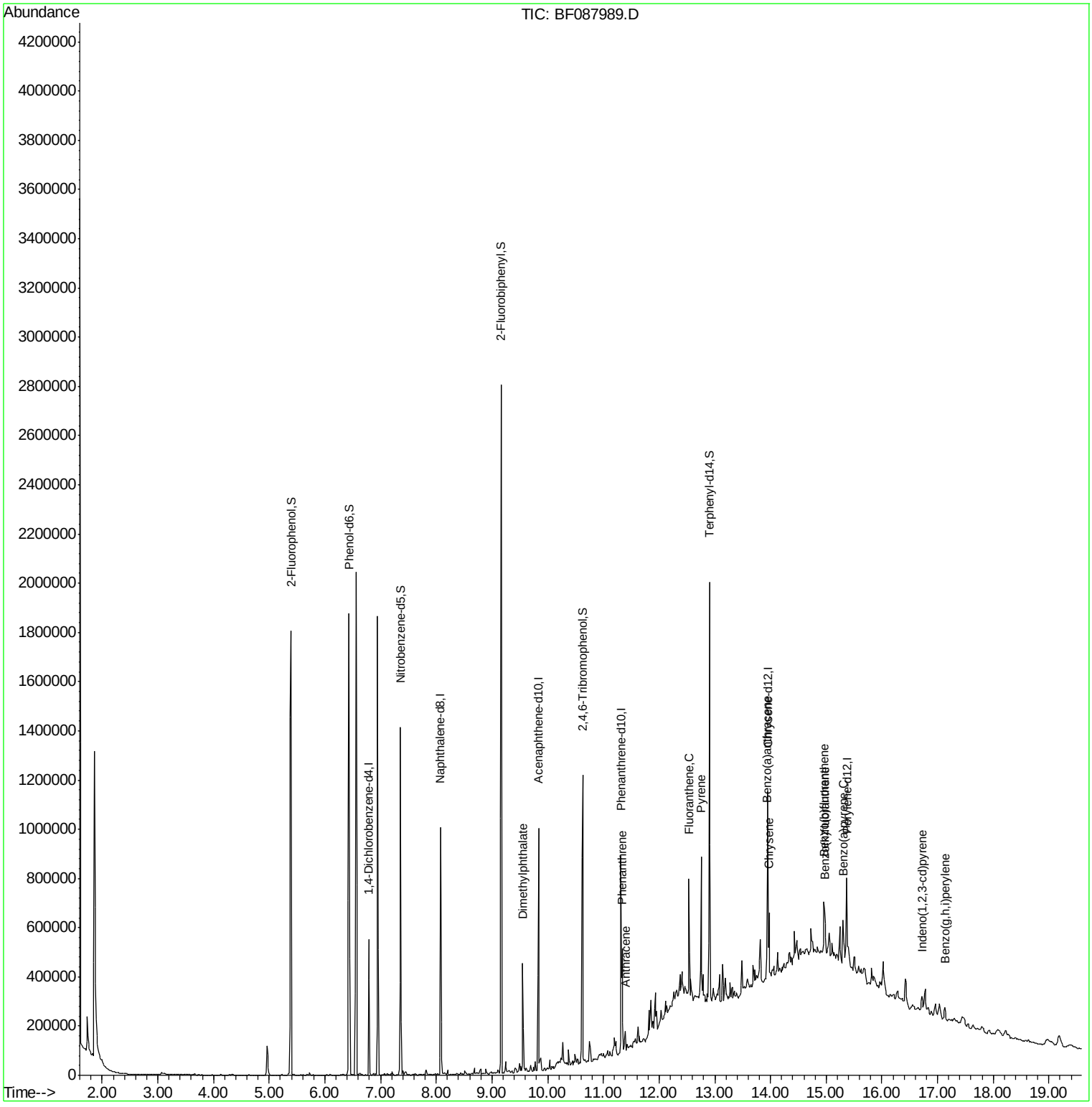
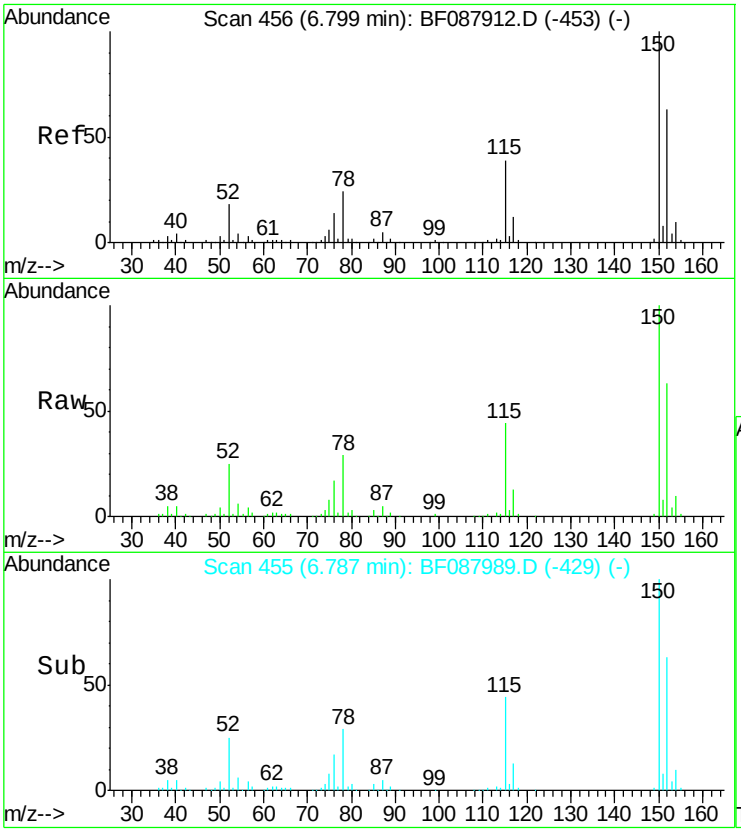
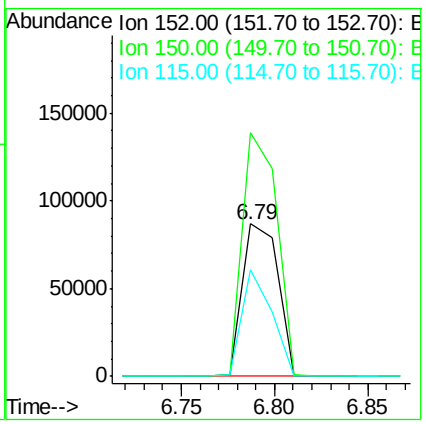




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:152 Resp: 114687

Ion	Ratio	Lower	Upper
152	100		
150	160.0	123.8	185.6
115	70.0	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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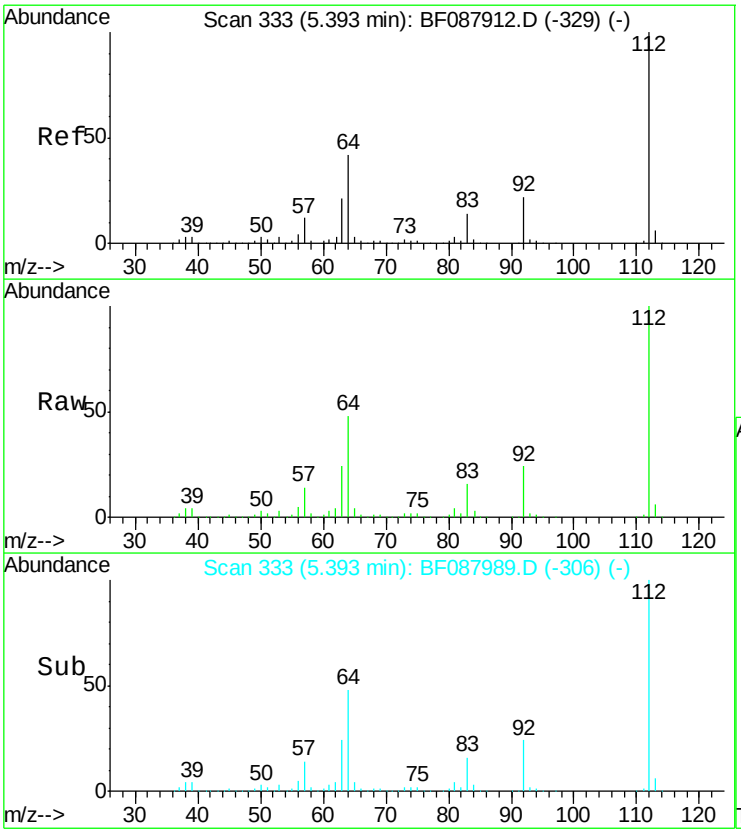
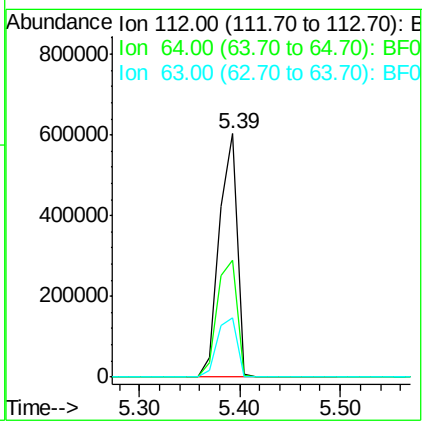
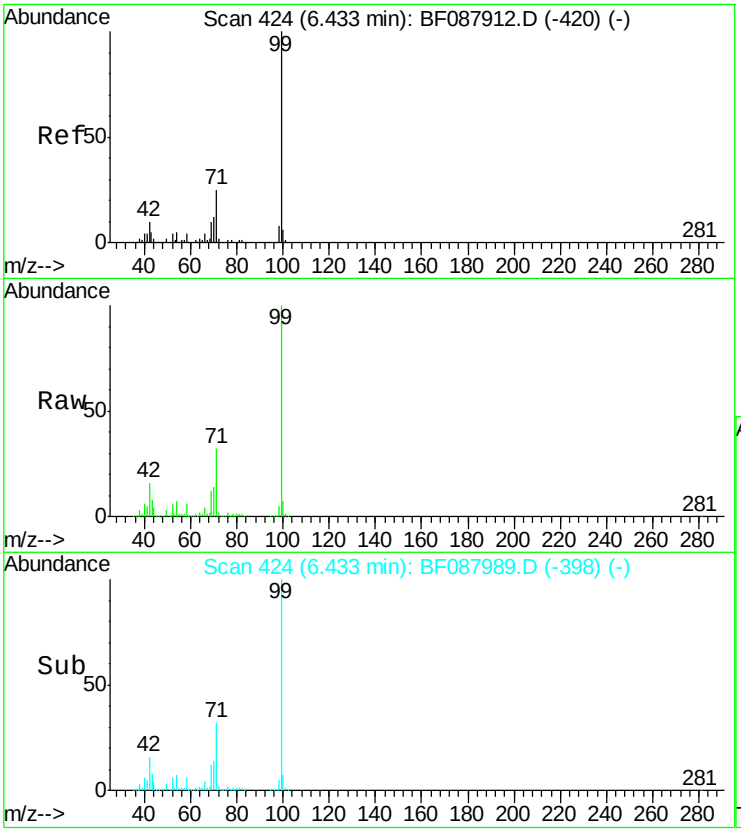


#5
2-Fluorophenol
Concen: 110.90 ng
RT: 5.39 min Scan# 333
Delta R.T. 0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:112 Resp: 744019

Ion	Ratio	Lower	Upper
112	100		
64	48.0	42.2	63.2
63	24.3	21.8	32.8

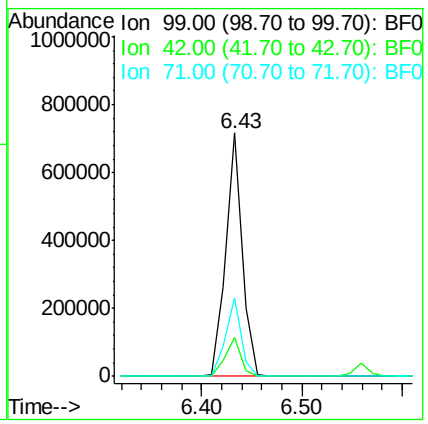




#7
Phenol-d6
Concen: 101.01 ng
RT: 6.43 min Scan# 424
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion: 99 Resp: 821253

Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.2	18.2
71	32.2	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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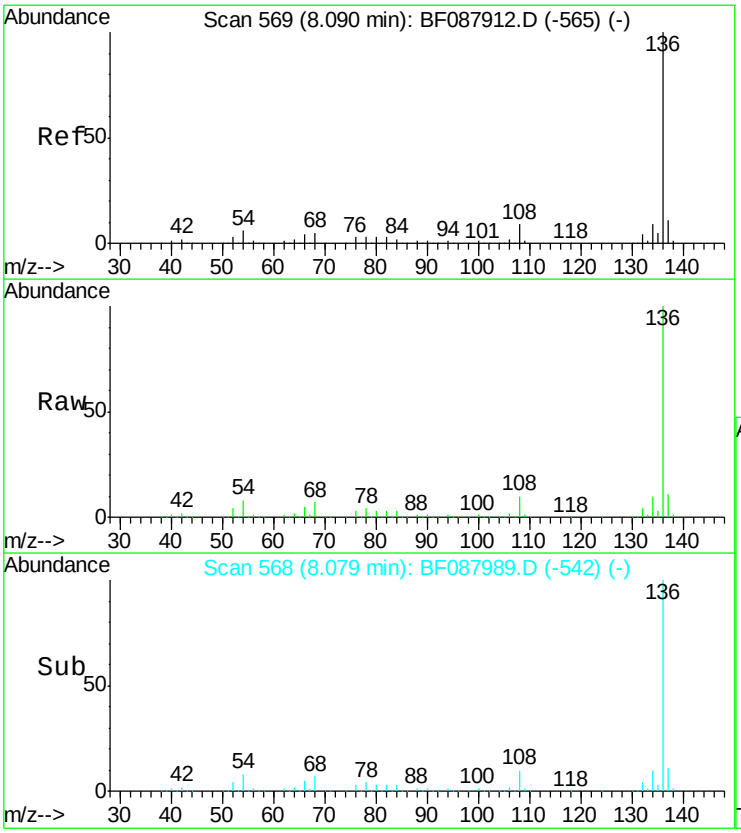
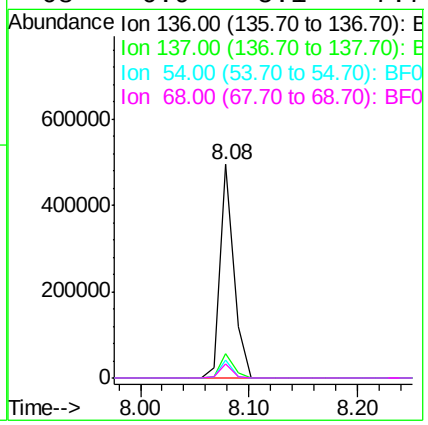
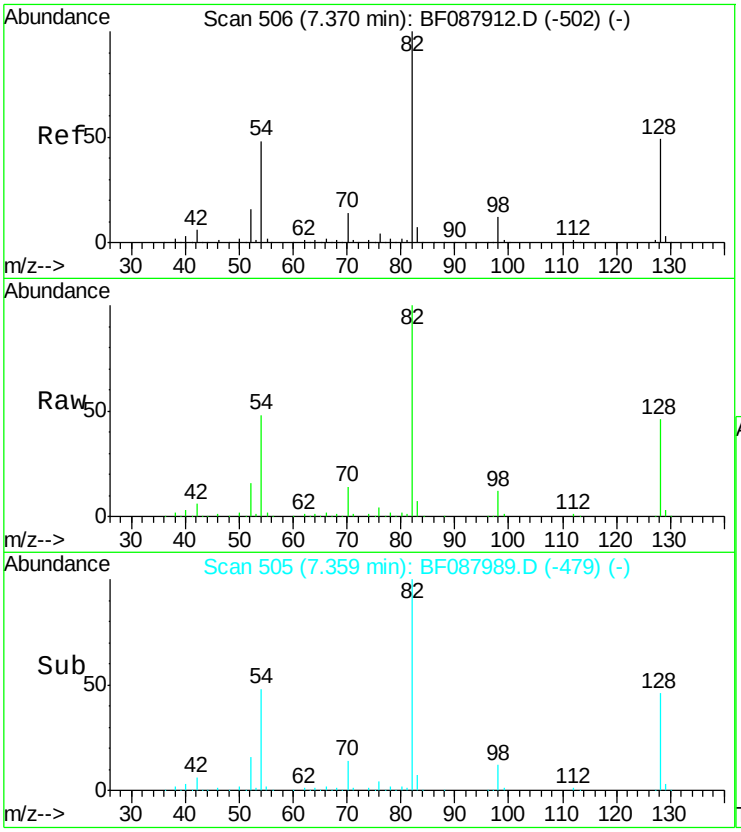


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:136 Resp: 439640

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.2	6.6	10.0
68	6.9	5.1	7.7

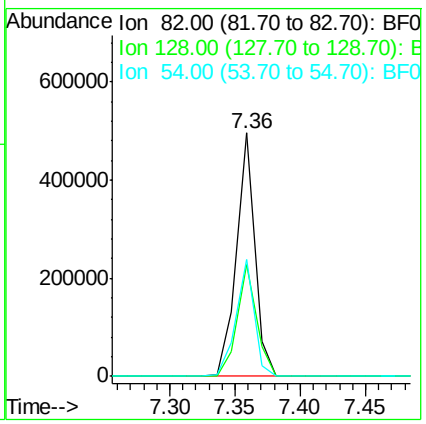




#23
Nitrobenzene-d5
Concen: 64.16 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion: 82 Resp: 483021

Ion	Ratio	Lower	Upper
82	100		
128	46.0	35.9	53.9
54	48.1	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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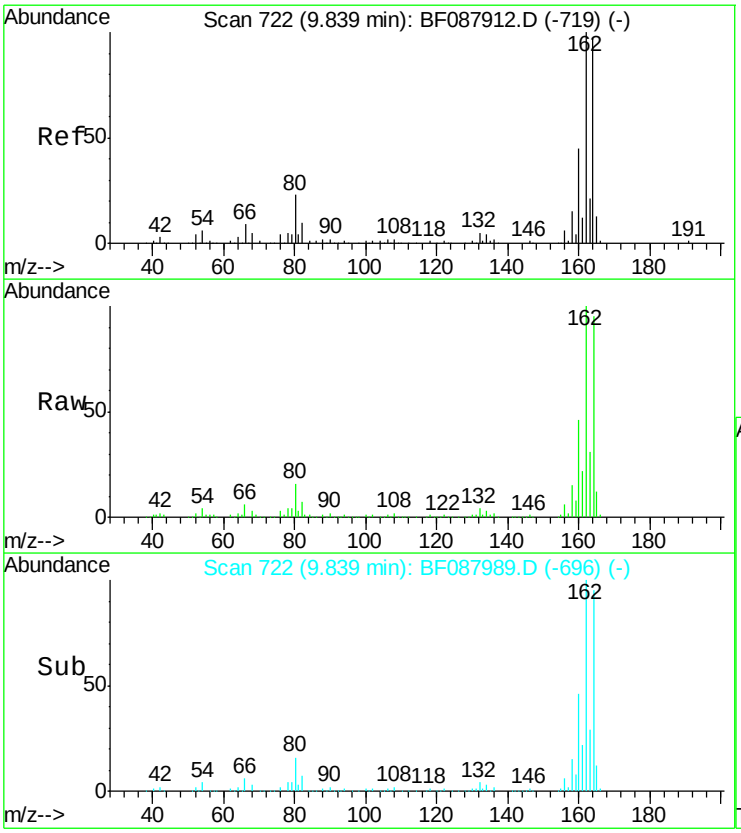
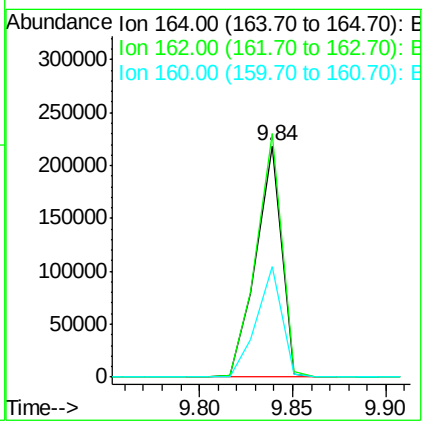
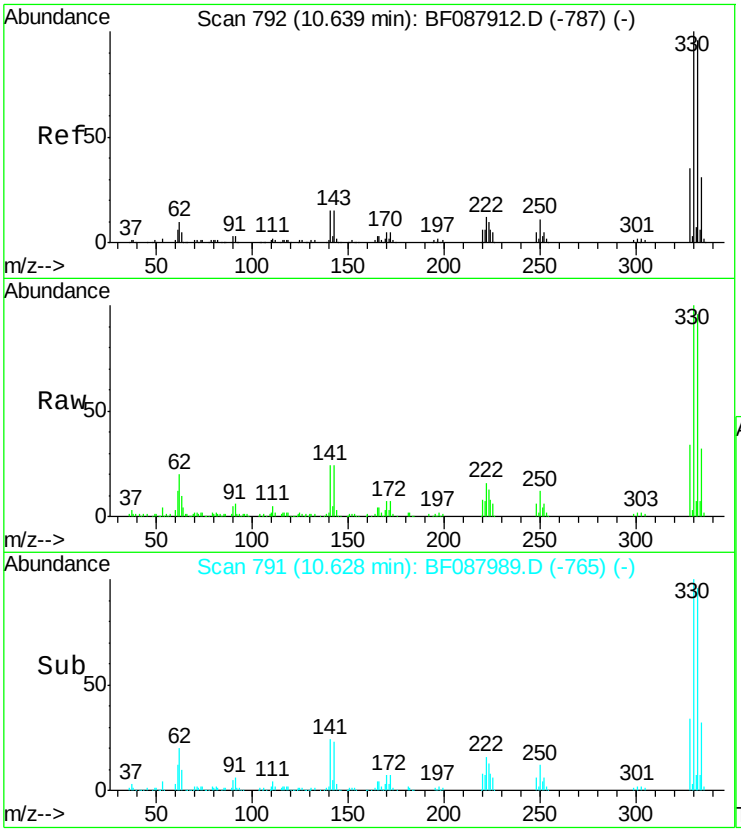


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:164 Resp: 206267

Ion	Ratio	Lower	Upper
164	100		
162	105.4	85.4	128.2
160	48.1	39.5	59.3

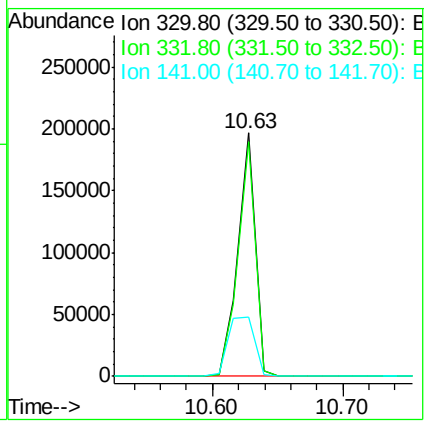




#41
2,4,6-Tribromophenol
Concen: 83.38 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:330 Resp: 181599

Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	38.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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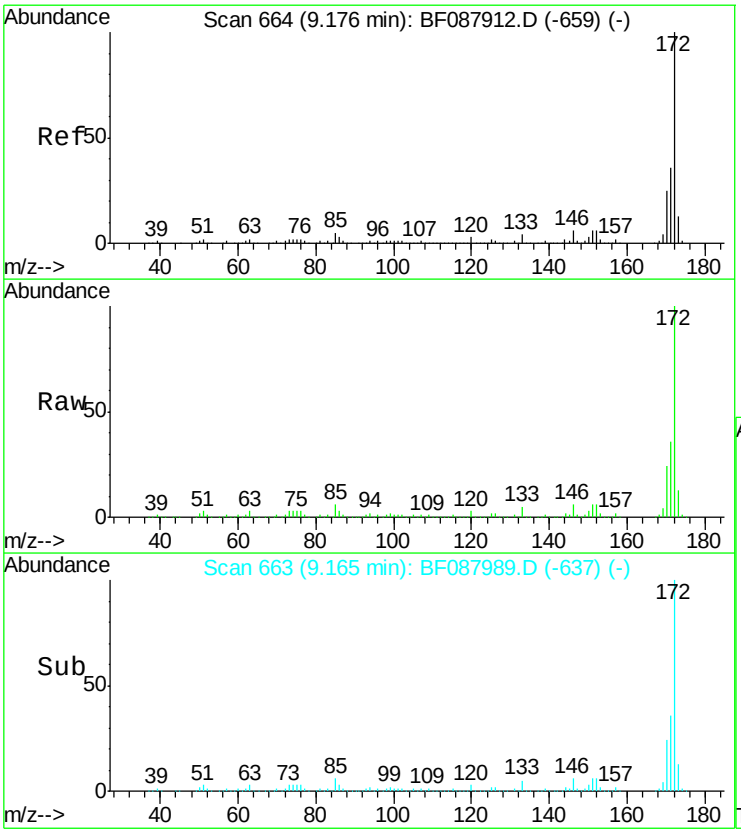
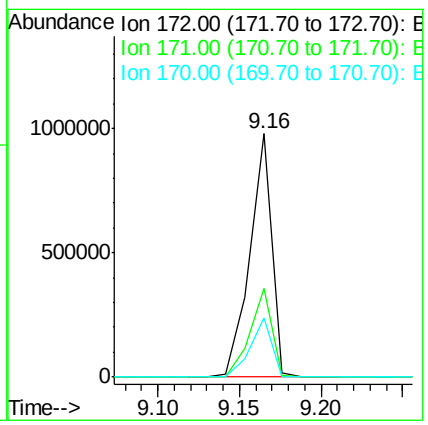
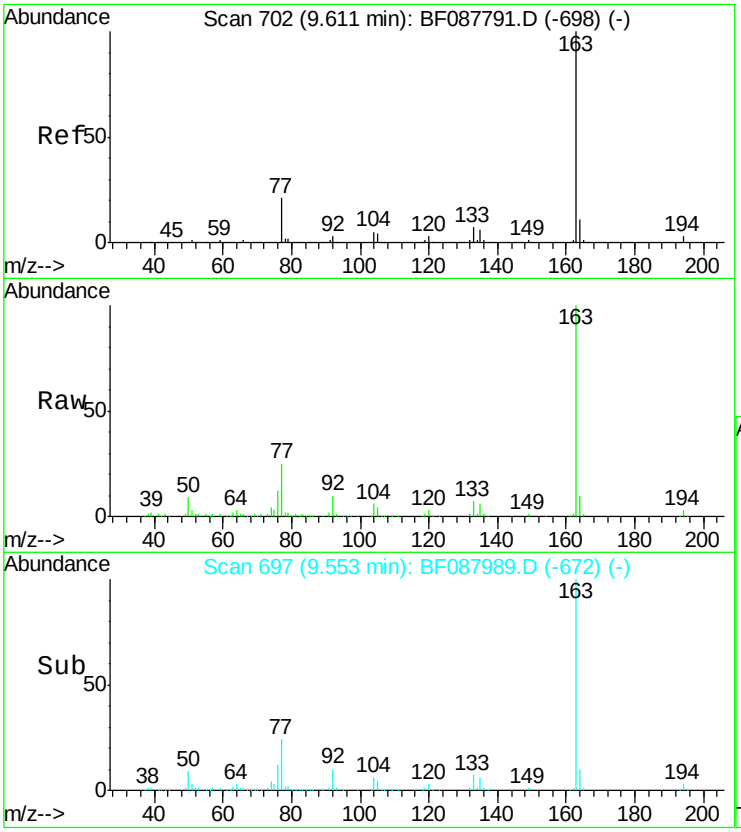


#44
2-Fluorobiphenyl
Concen: 68.43 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:172 Resp: 912716

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.4	19.2	28.8

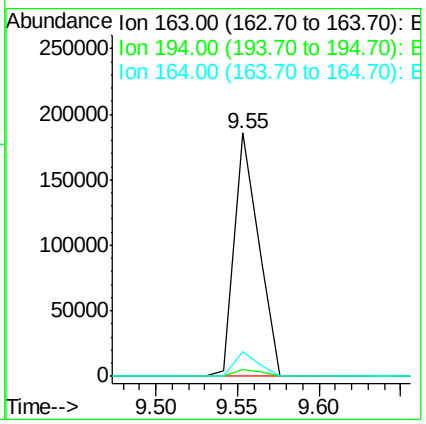




#49
Dimethylphthalate
Concen: 12.73 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:163 Resp: 190228

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.4	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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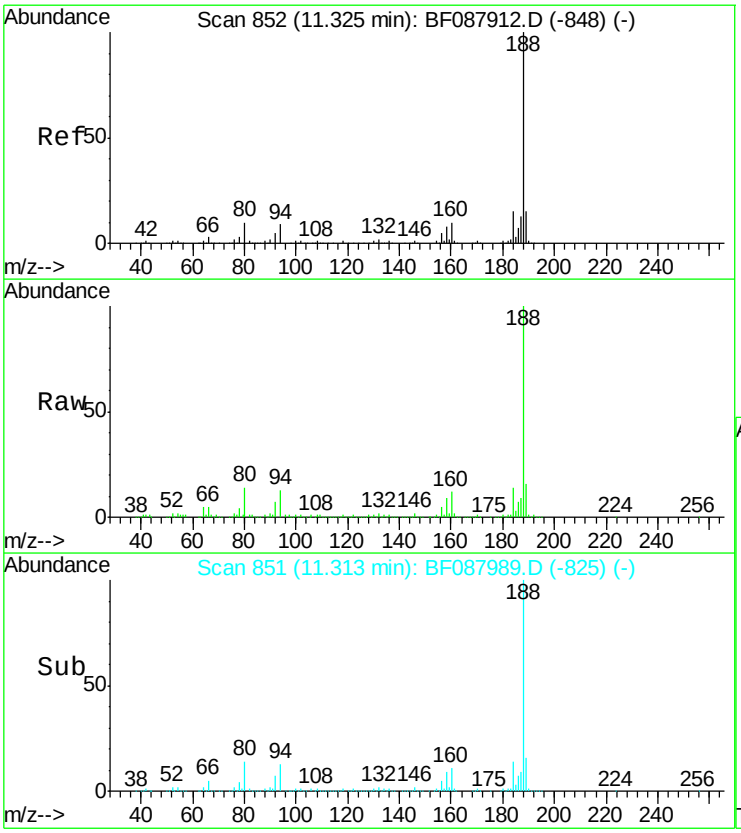
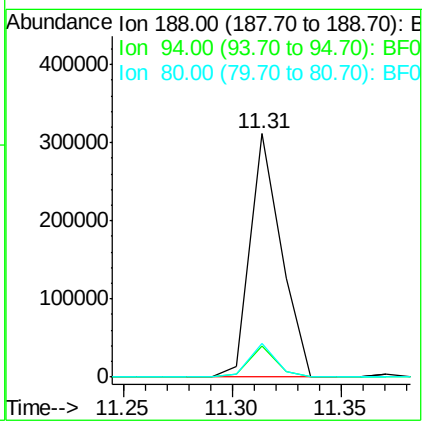
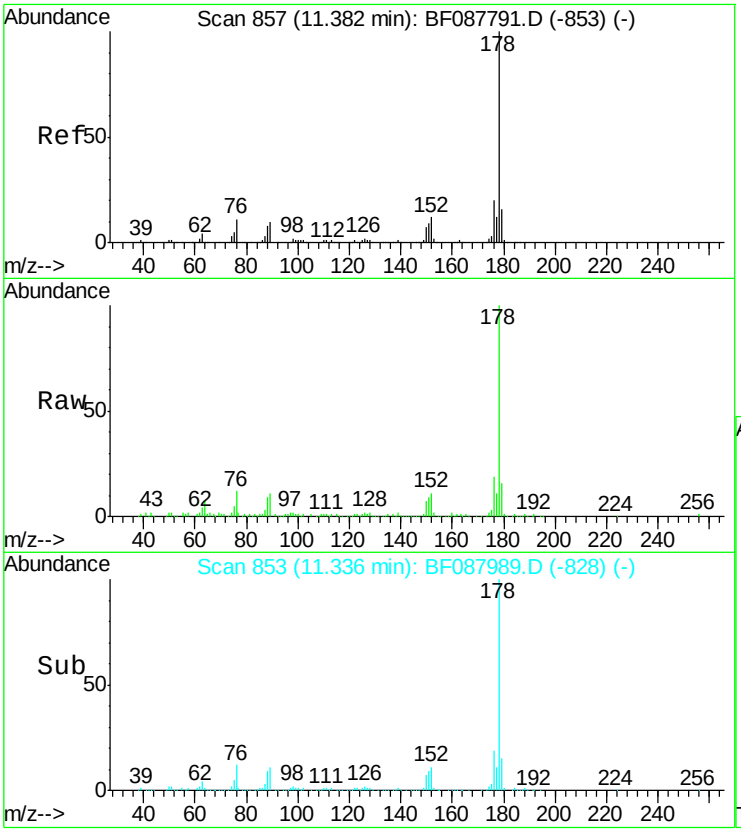


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:188 Resp: 311400

Ion	Ratio	Lower	Upper
188	100		
94	13.0	9.0	13.6
80	14.1	10.0	15.0

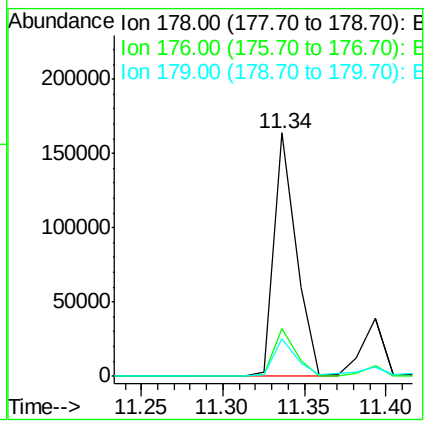




#70
Phenanthrene
Concen: 9.63 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:178 Resp: 157366

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.6	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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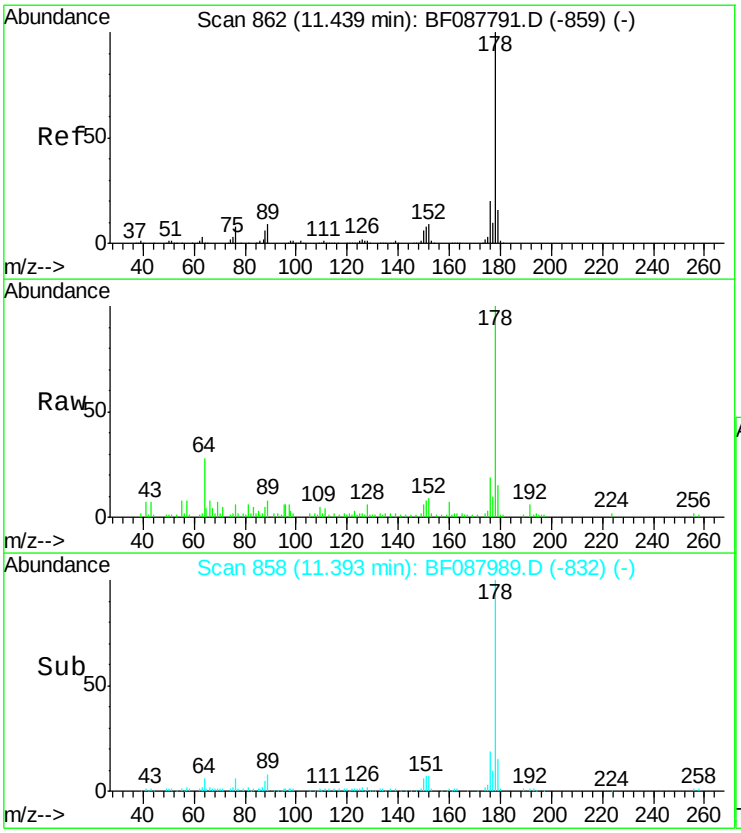
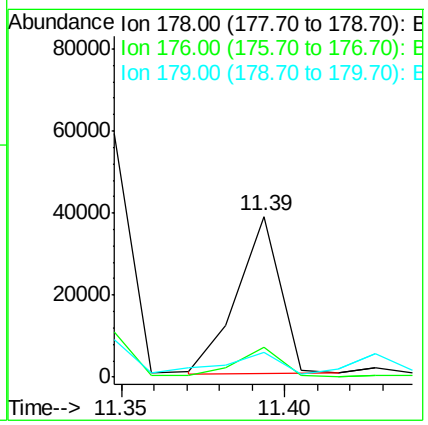
6/14/2016 7:48:45 PM

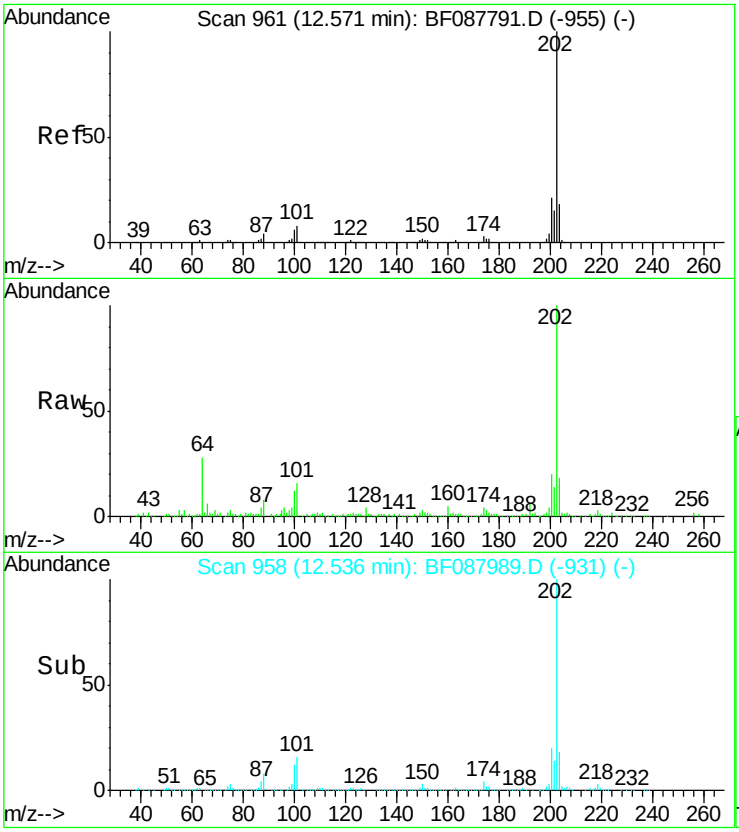


#71
Anthracene
Concen: 2.13 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:178 Resp: 35066

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.2	12.8	19.2

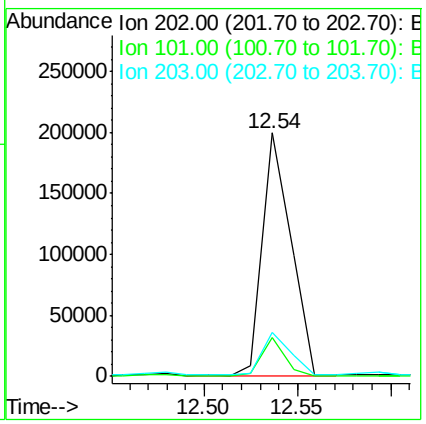




#74
Fluoranthene
Concen: 12.23 ng
RT: 12.54 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:202 Resp: 210828

Ion	Ratio	Lower	Upper
202	100		
101	16.1	0.0	33.1
203	17.9	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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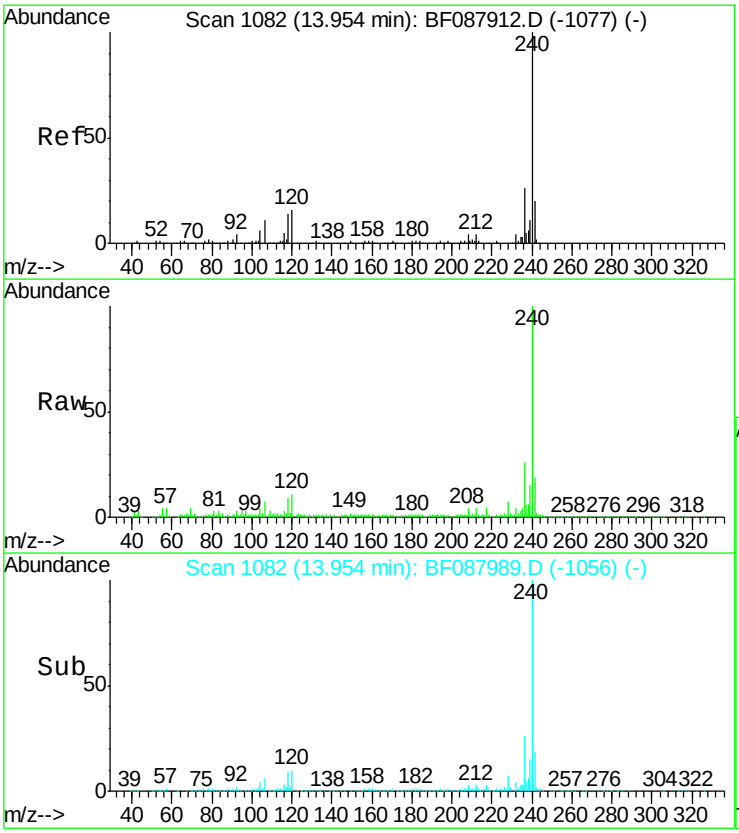
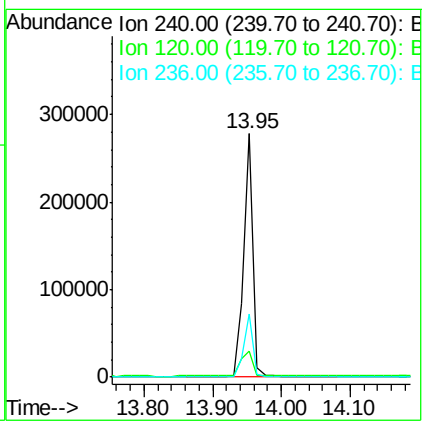
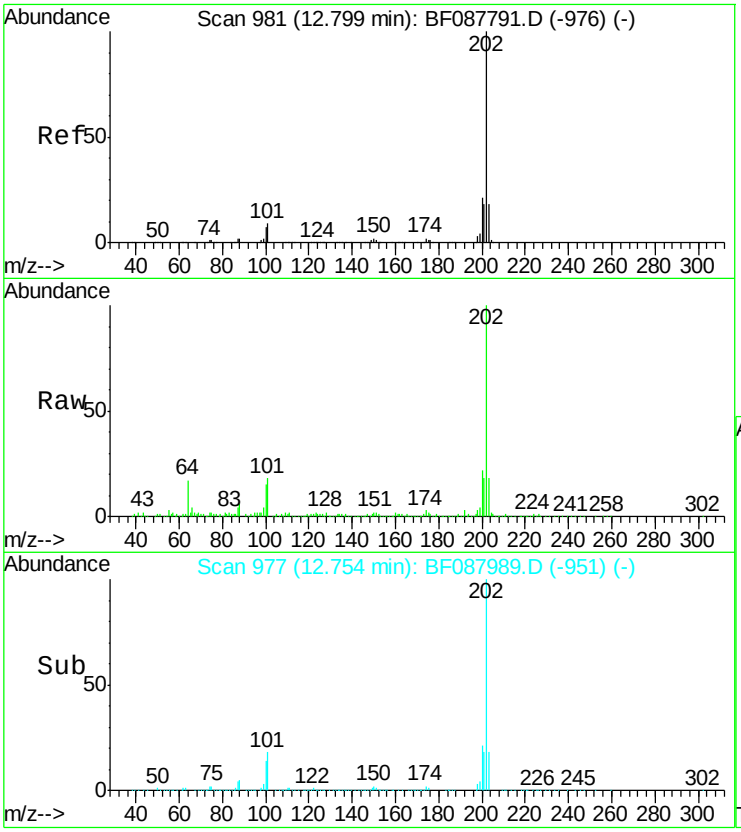


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:240 Resp: 259326

Ion	Ratio	Lower	Upper
240	100		
120	10.7	6.8	10.2#
236	25.8	20.2	30.2

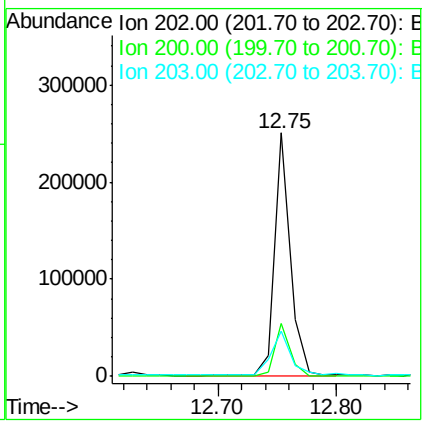




#77
Pyrene
Concen: 12.04 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:202 Resp: 231750

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.4	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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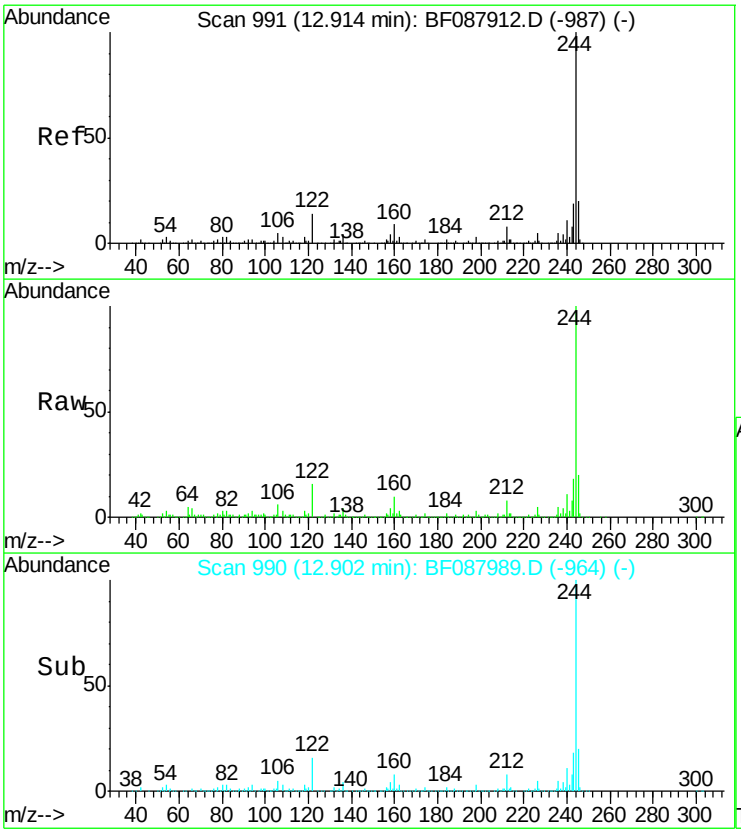
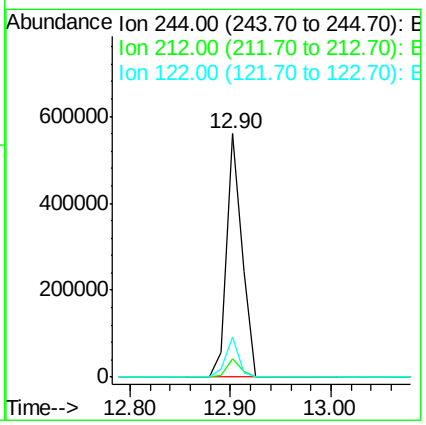
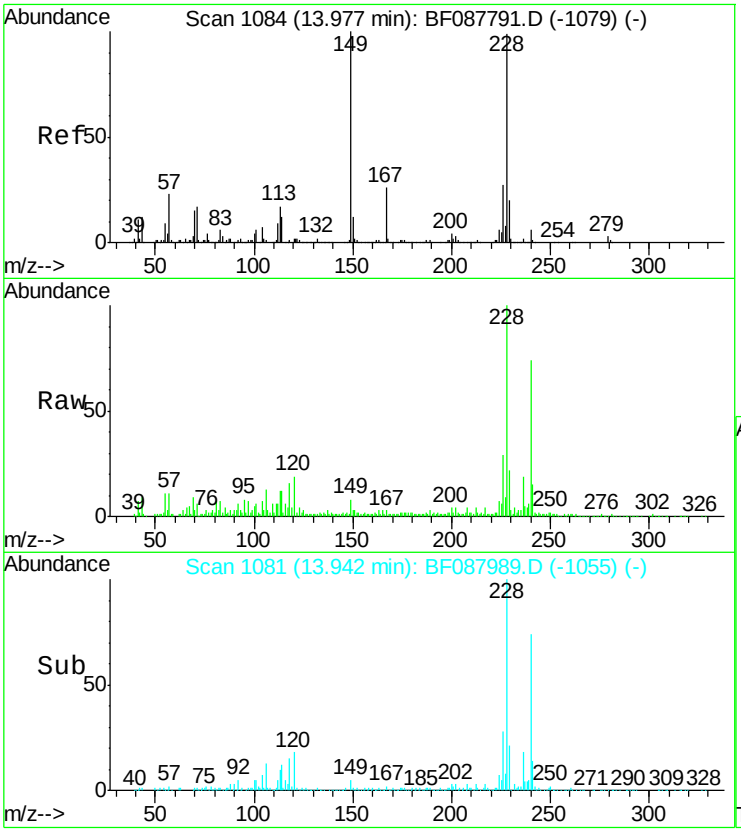


#78
Terphenyl-d14
Concen: 52.13 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:244 Resp: 594039

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	16.4	11.2	16.8

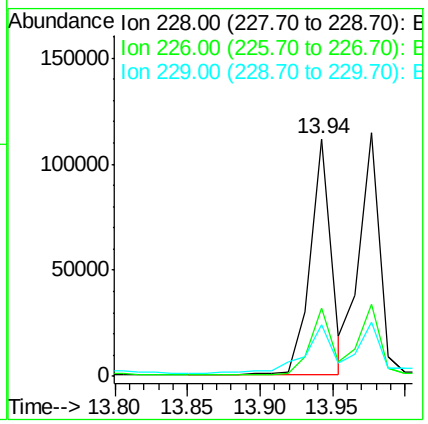




#80
Benzo(a)anthracene
Concen: 7.59 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:228 Resp: 112108

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.3	33.5
229	21.9	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

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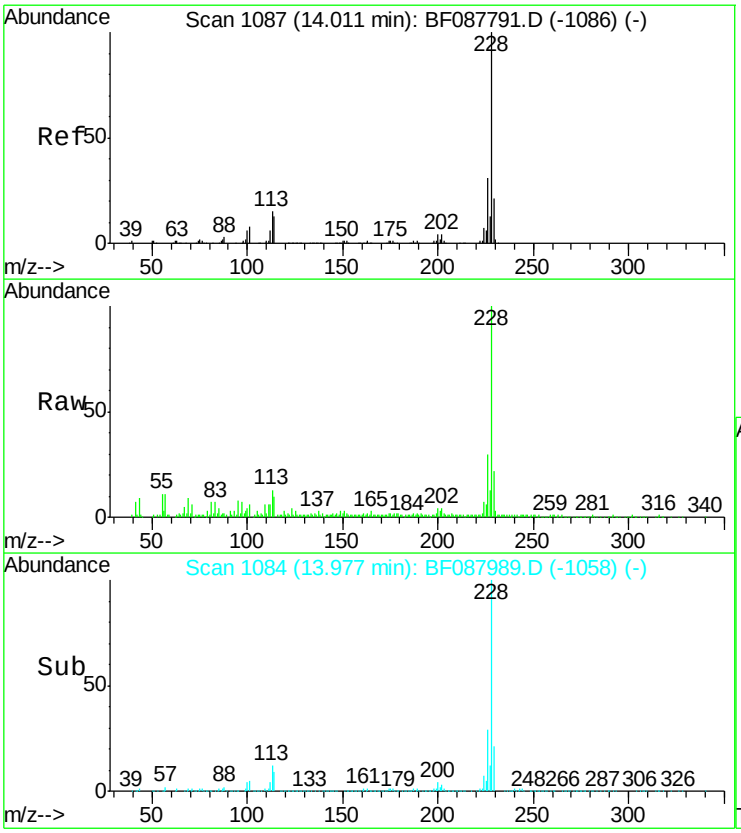
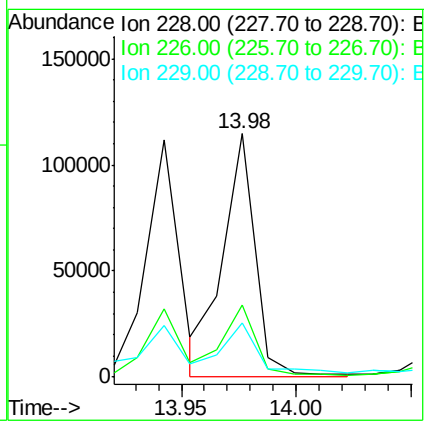
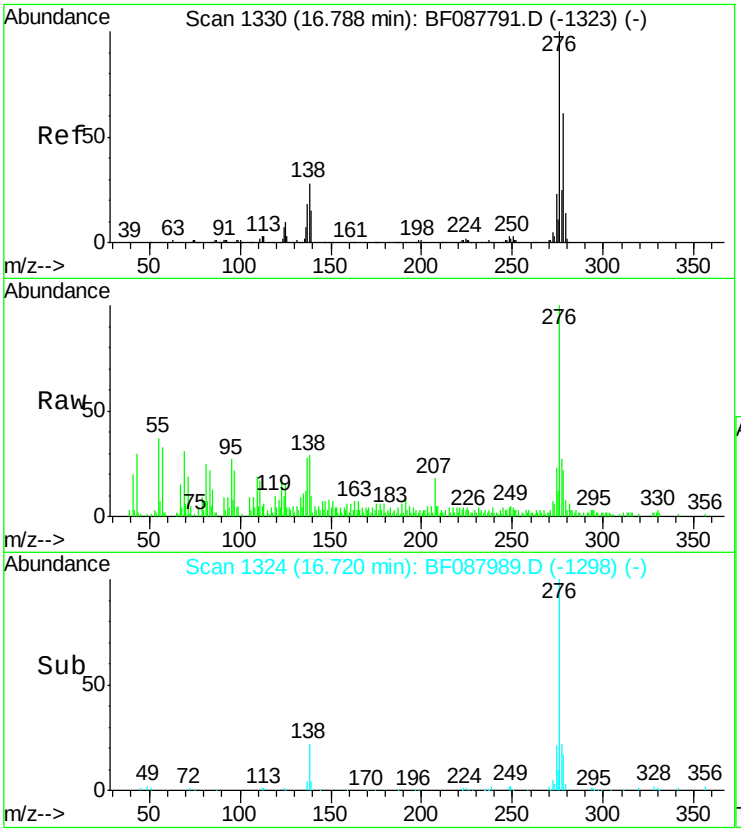


#82
Chrysene
Concen: 8.23 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:228 Resp: 114489

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.4	38.2
229	22.2	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.98 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:276 Resp: 38464

Ion	Ratio	Lower	Upper
276	100		
138	28.4	0.0	0.0#
277	28.2	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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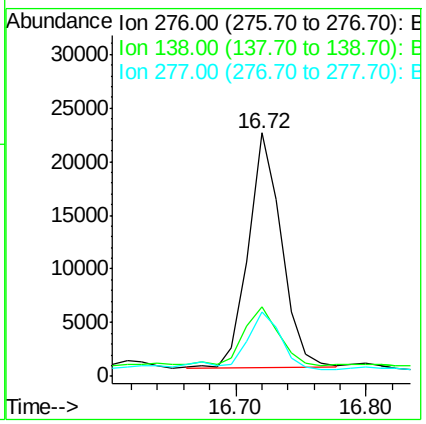
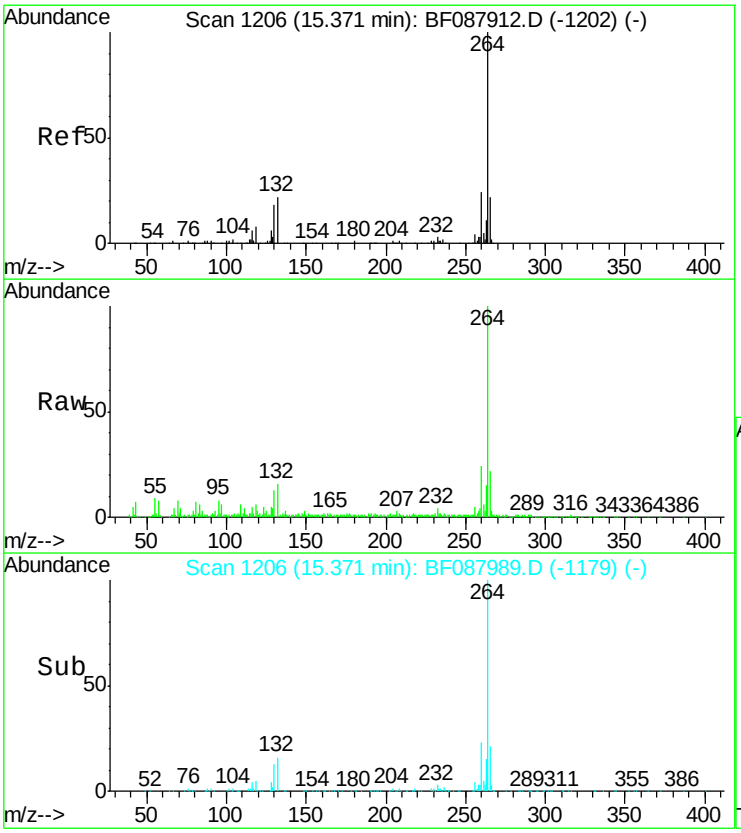
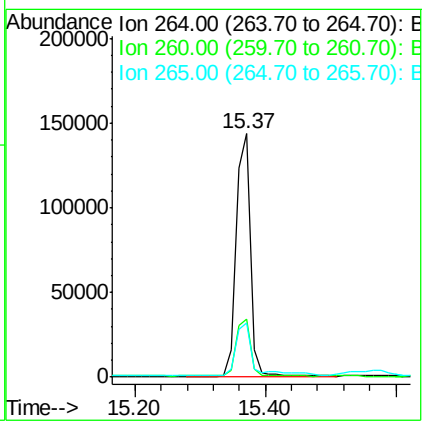


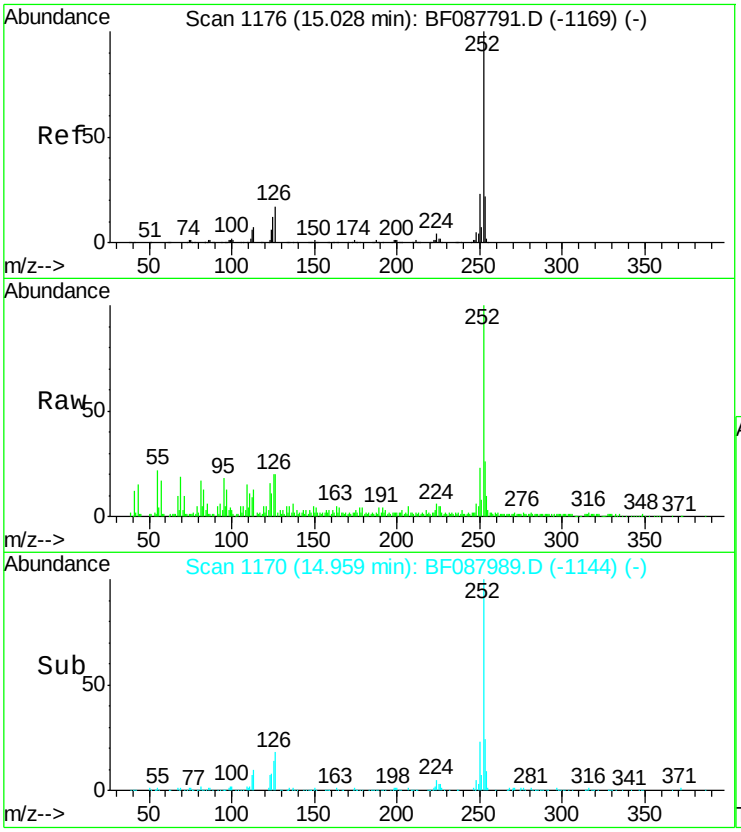


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:264 Resp: 209747

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	16.9	25.3





#87
Benzo(b)fluoranthene
Concen: 8.91 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:252 Resp: 130241

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.2
125	19.7	7.1	10.7#

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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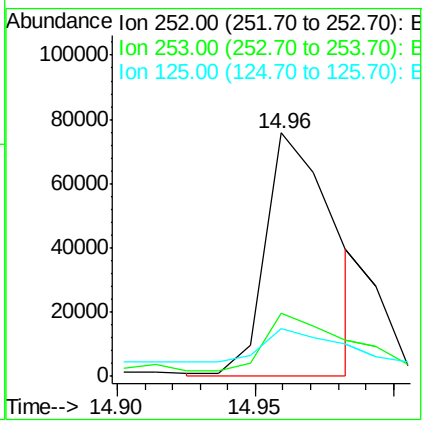
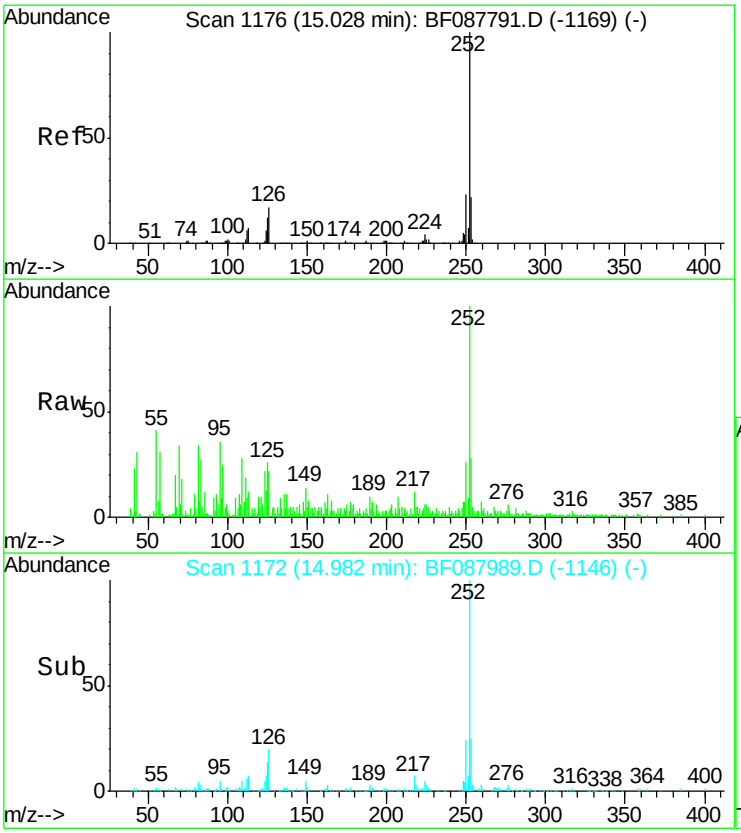
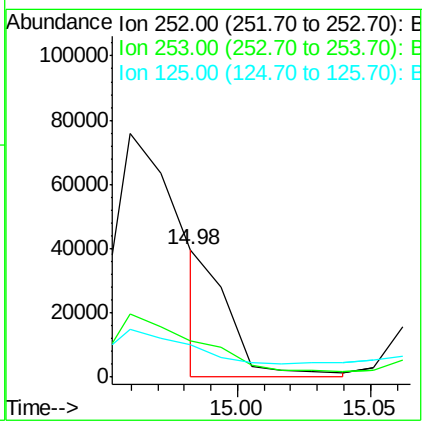


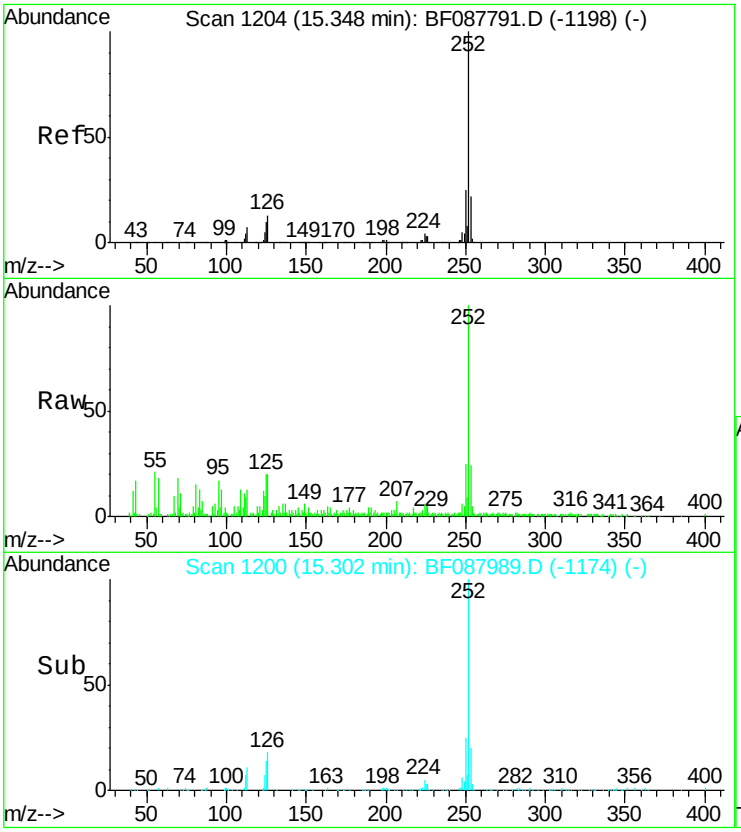


#88
Benzo(k)fluoranthene
Concen: 2.28 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:252 Resp: 25133

Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.0	27.0#
125	25.7	11.2	16.8#





#89
Benzo(a)pyrene
Concen: 6.66 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:252 Resp: 78797

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	20.0	12.5	18.7#

Instrument :
BNA_F
ClientSampleId :
T6-B1(0-12)C

Manual Integrations APPROVED
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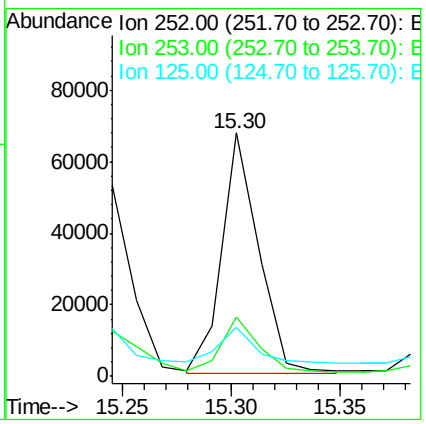

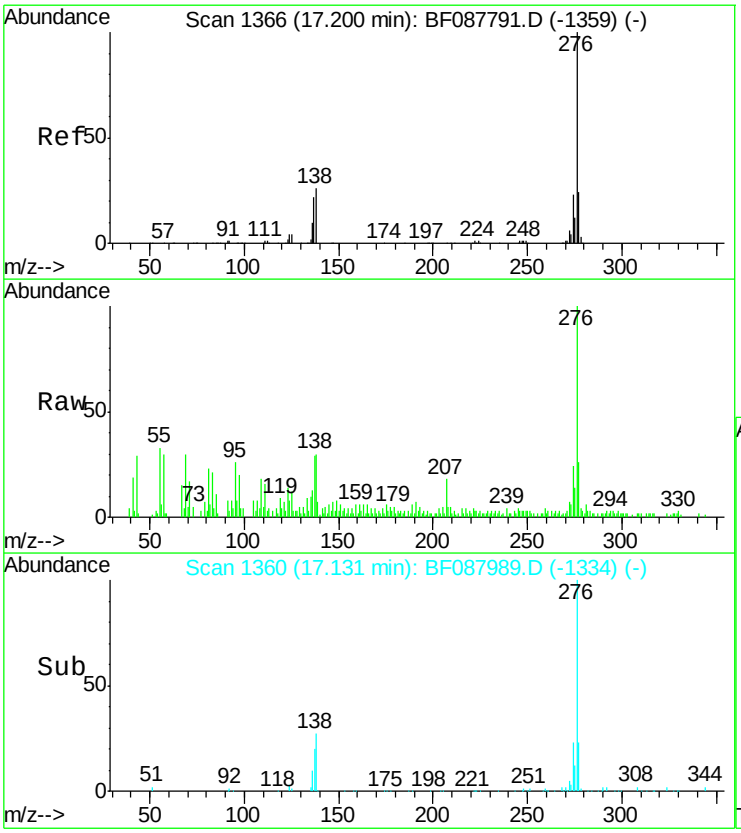

#91
Benzo(g,h,i)perylene
Concen: 3.54 ng
RT: 17.13 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF087989.D
Acq: 13 Jun 2016 18:08

Tgt Ion:276 Resp: 40043

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	30.3	21.4	32.2