Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087810.D
Acq On : 8 Jun 2016 15:22
Operator : UM/SJ
Sample : H3378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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6/9/2016 7:59:40 PM

Quant Time: Jun 09 11:25:45 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	6.82	152	100694	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	439061	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	194137	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	315761	20.00	ng	0.00
75) Chrysene-d12	13.99	240	215108	20.00	ng	0.00
86) Perylene-d12	15.42	264	212506	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	580840	98.61	ng	0.00
7) Phenol-d6	6.46	99	655977	91.89	ng	-0.02
23) Nitrobenzene-d5	7.39	82	480123	63.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	177149	86.42	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	871934	69.55	ng	-0.01
78) Terphenyl-d14	12.95	244	587601	62.16	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	75754	5.39	ng	99
70) Phenanthrene	11.38	178	86638	5.23	ng	98
74) Fluoranthene	12.56	202	151227	8.65	ng	95
77) Pyrene	12.79	202	128631	8.06	ng	97
80) Benzo(a)anthracene	13.98	228	72891	5.95	ng	96
82) Chrysene	14.01	228	53511m	4.64	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	36900	3.44	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	91247m	6.16	ng	
89) Benzo(a)pyrene	15.36	252	58924	4.92	ng	96
91) Benzo(g,h,i)perylene	17.22	276	36590	3.20	ng	98

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

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Acq On : 8 Jun 2016 15:22
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Sample : H3378-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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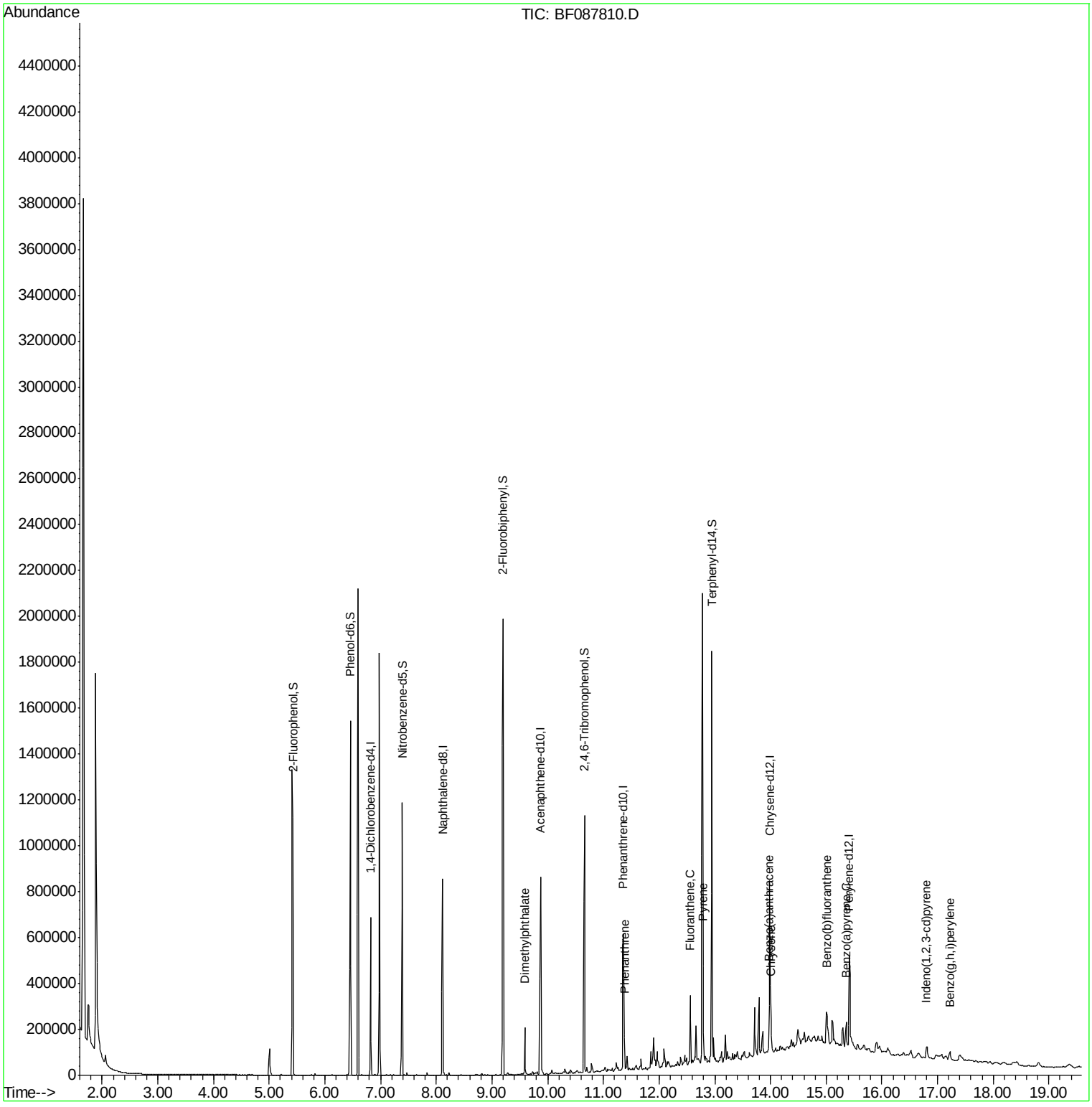
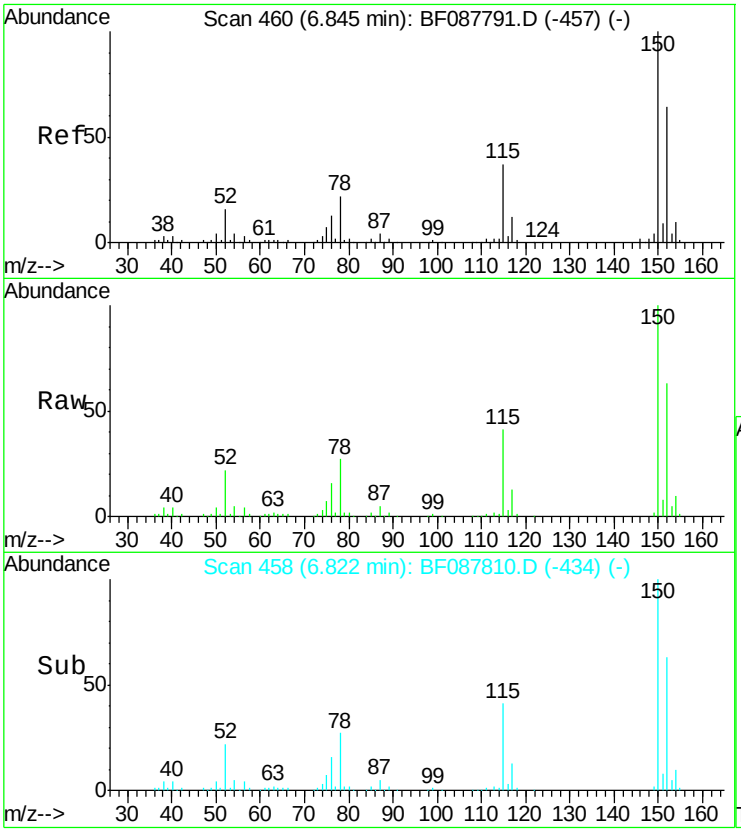
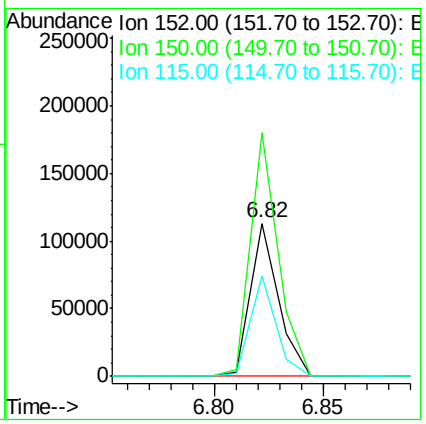




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:152 Resp: 100694

Ion	Ratio	Lower	Upper
152	100		
150	159.3	123.8	185.6
115	65.5	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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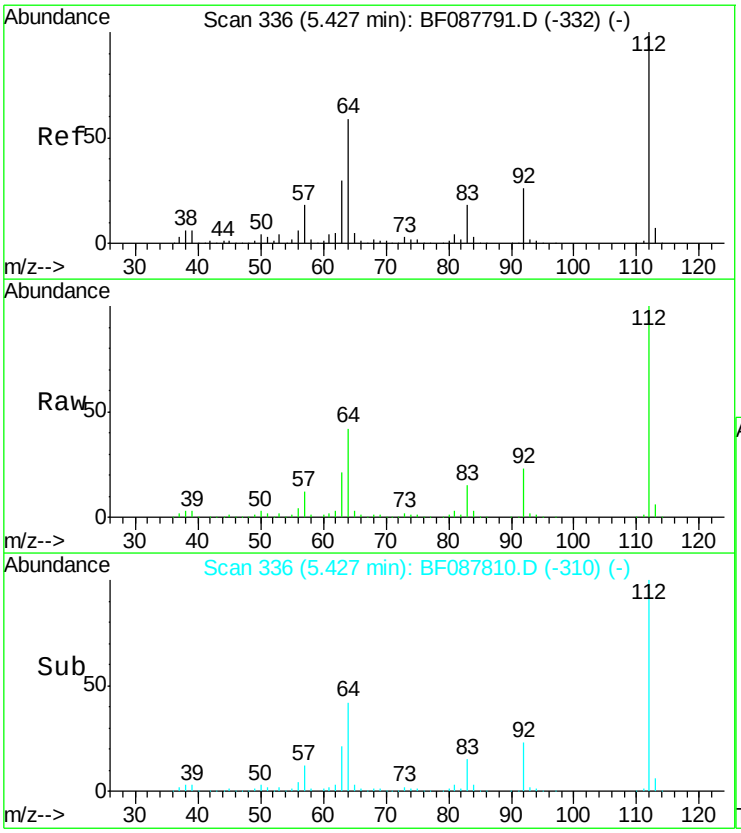
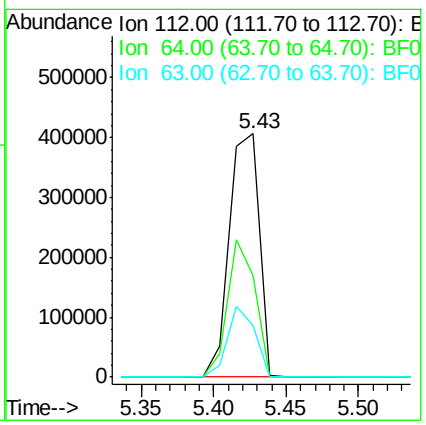
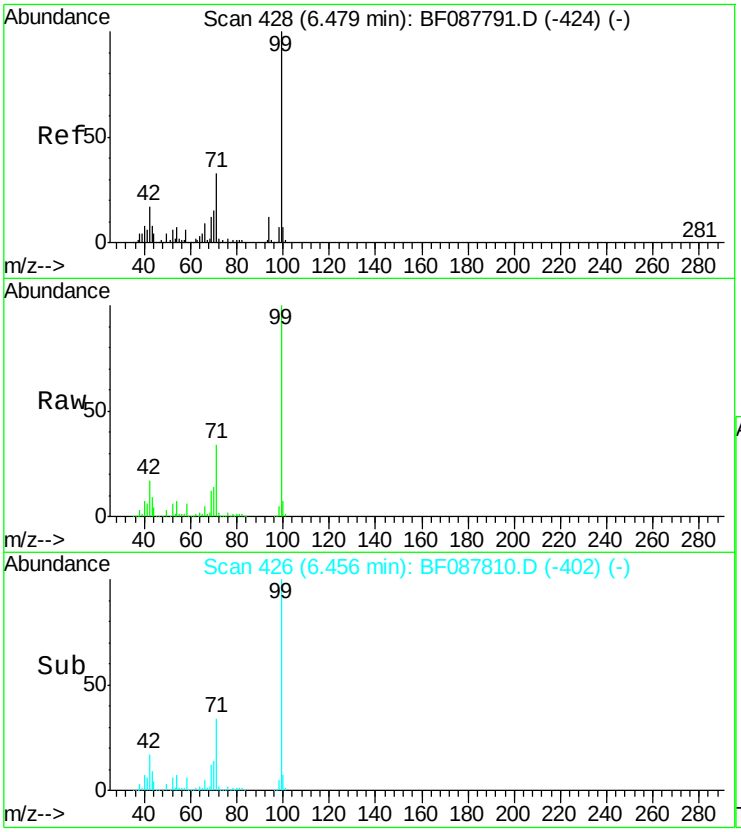


#5
2-Fluorophenol
Concen: 98.61 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:112 Resp: 580840

Ion	Ratio	Lower	Upper
112	100		
64	41.8	42.2	63.2#
63	21.3	21.8	32.8#

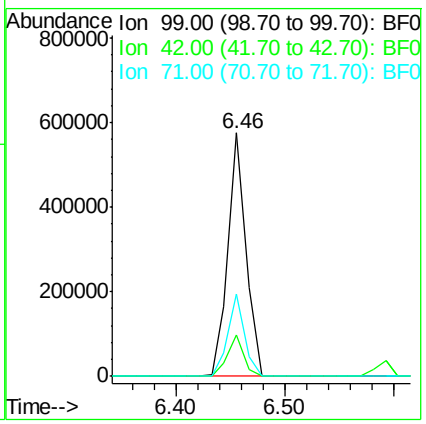




#7
Phenol-d6
Concen: 91.89 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion: 99 Resp: 655977

Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.2	18.2
71	33.8	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
SS-15

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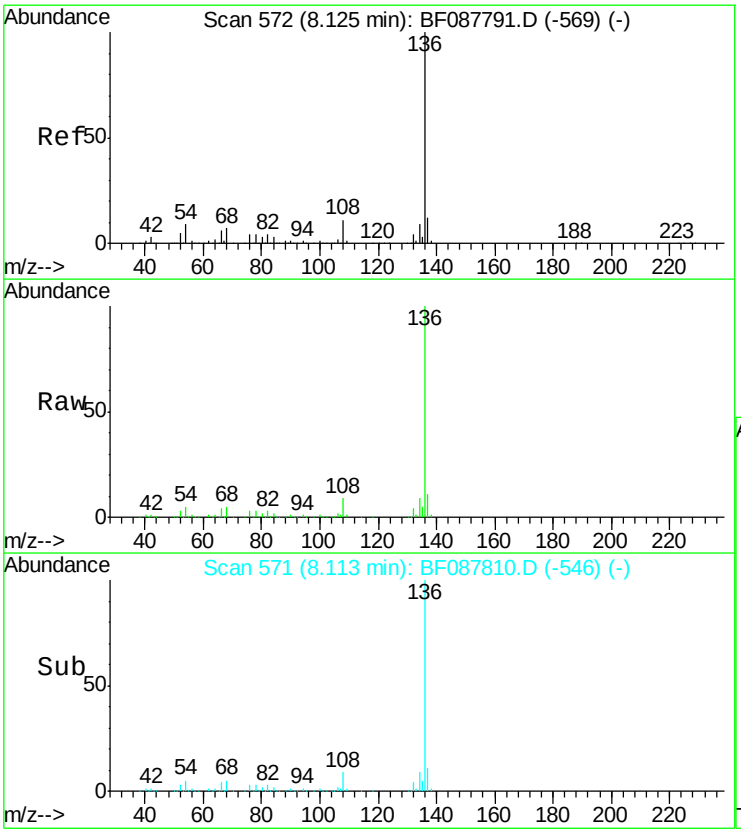
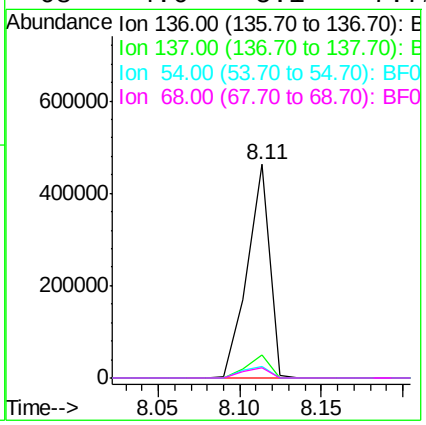
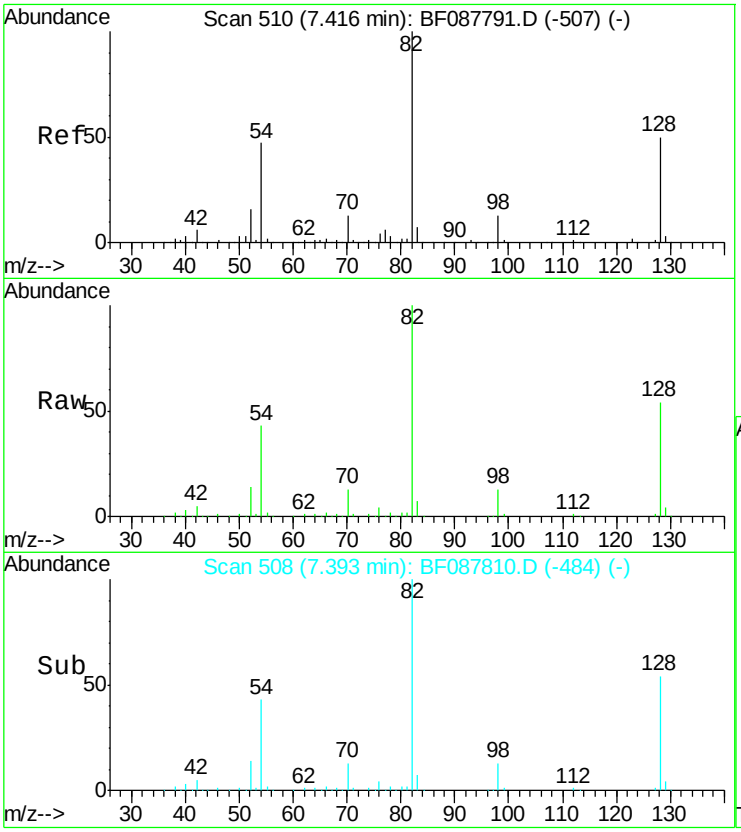


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:136 Resp: 439061

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.3	6.6	10.0#
68	4.6	5.1	7.7#

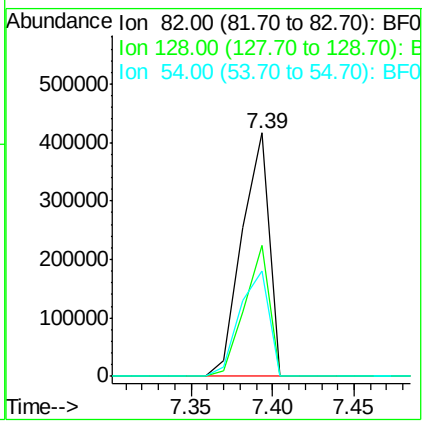




#23
Nitrobenzene-d5
Concen: 63.86 ng
RT: 7.39 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion: 82 Resp: 480123

Ion	Ratio	Lower	Upper
82	100		
128	53.9	35.9	53.9#
54	43.3	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SS-15

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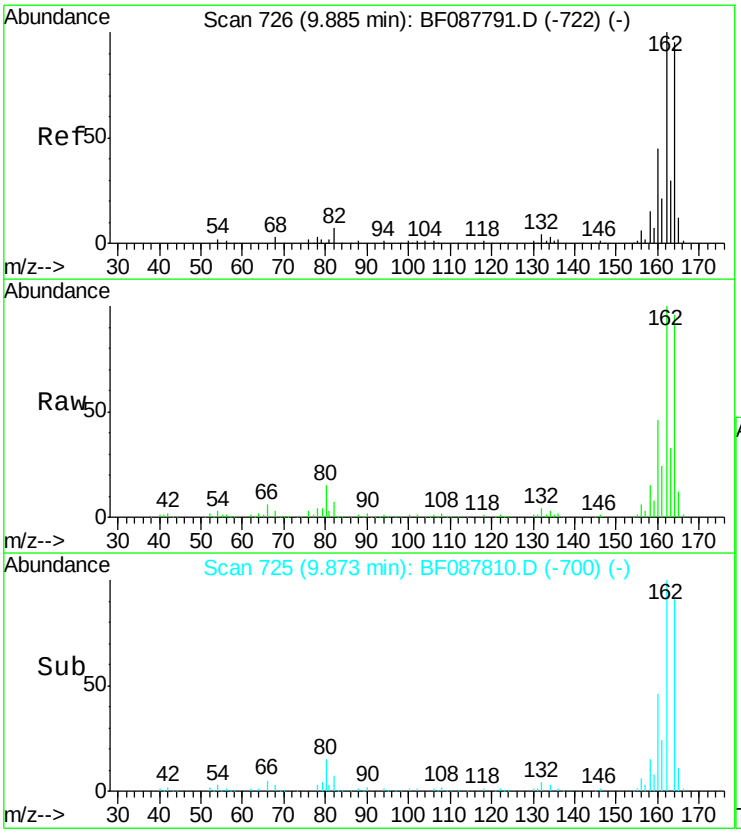
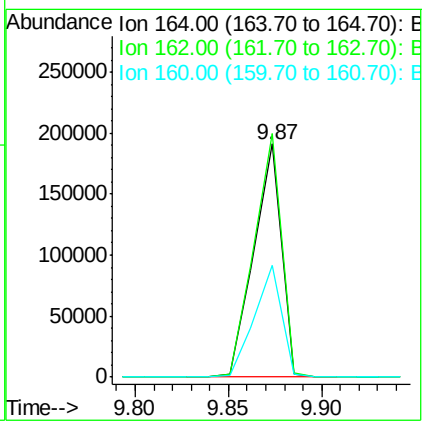
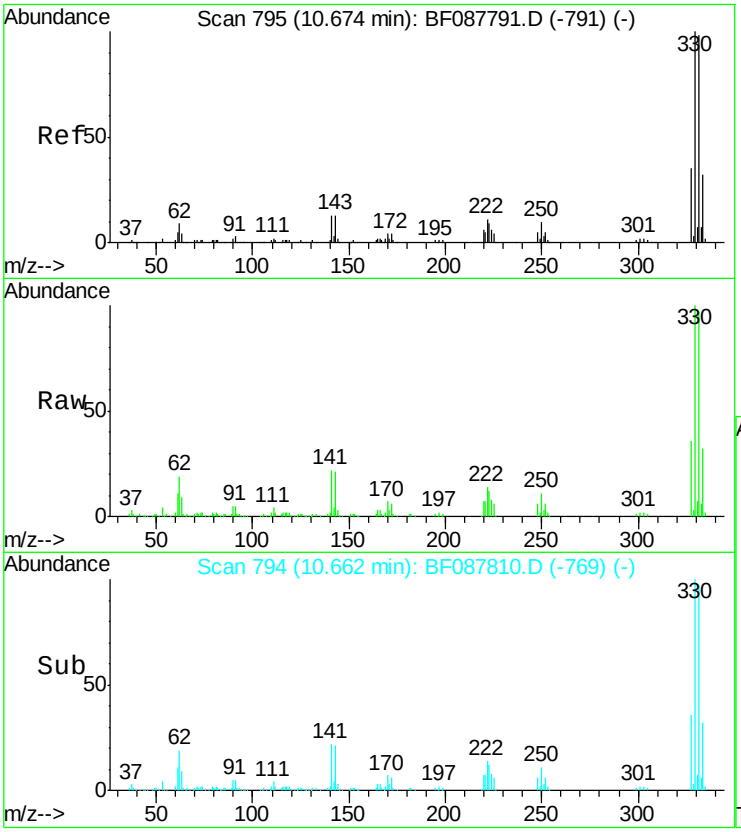


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:164 Resp: 194137

Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.4	128.2
160	48.2	39.5	59.3

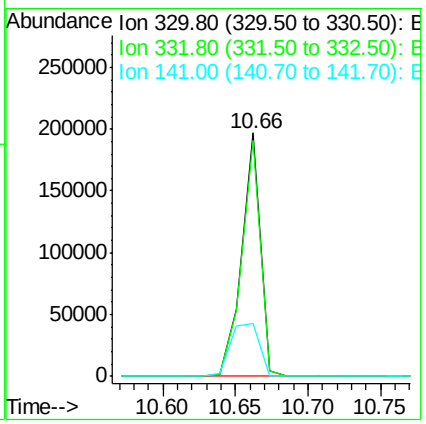




#41
2,4,6-Tribromophenol
Concen: 86.42 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:330 Resp: 177149

Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	33.4	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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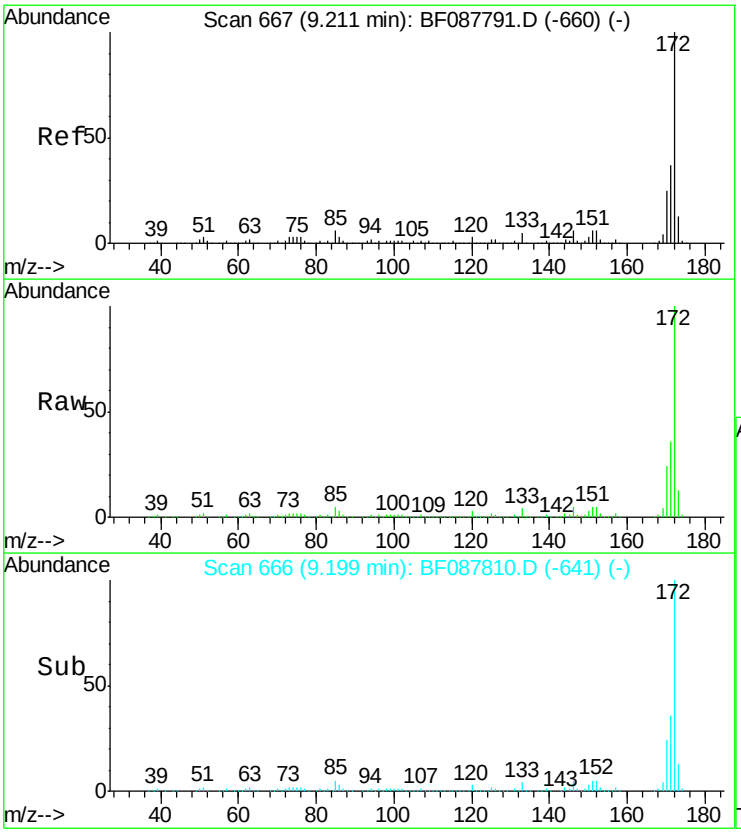
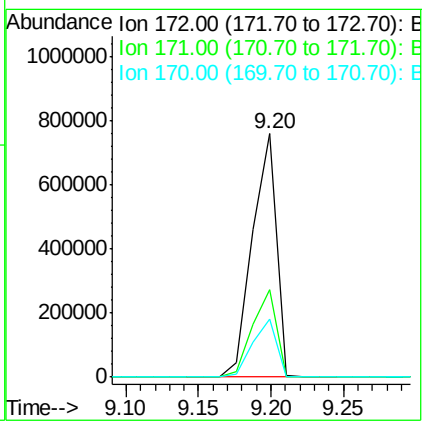
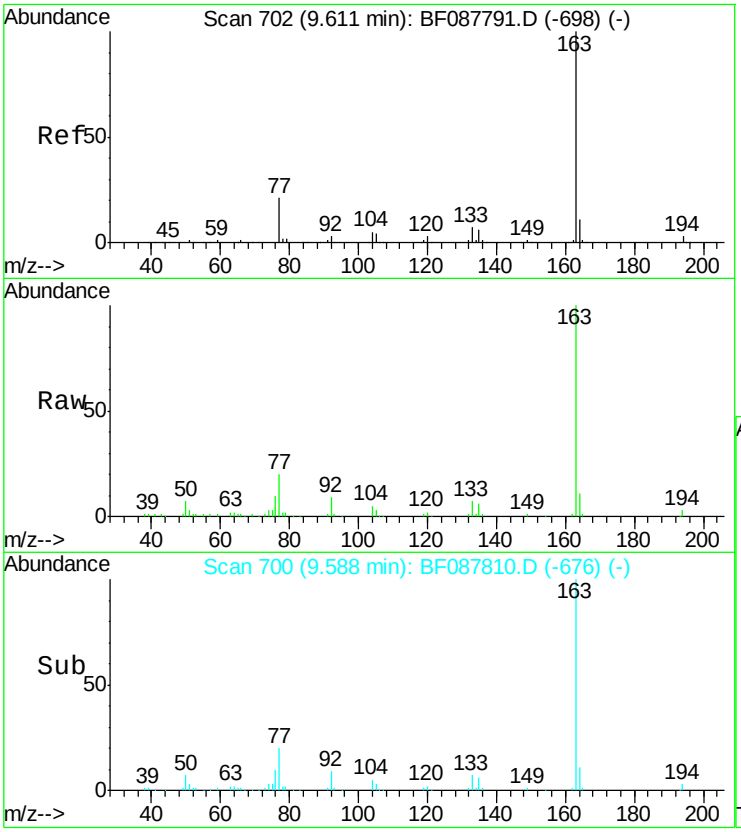


#44
2-Fluorobiphenyl
Concen: 69.55 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:172 Resp: 871934

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.7	19.2	28.8

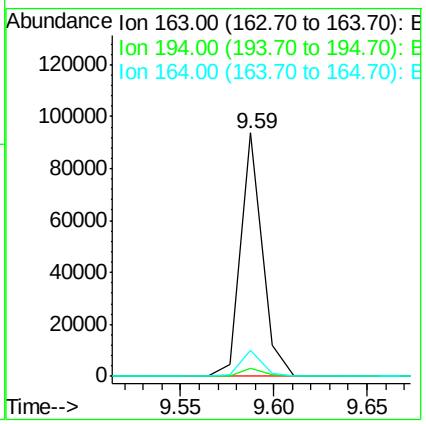




#49
Dimethylphthalate
Concen: 5.39 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:163 Resp: 75754

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.6	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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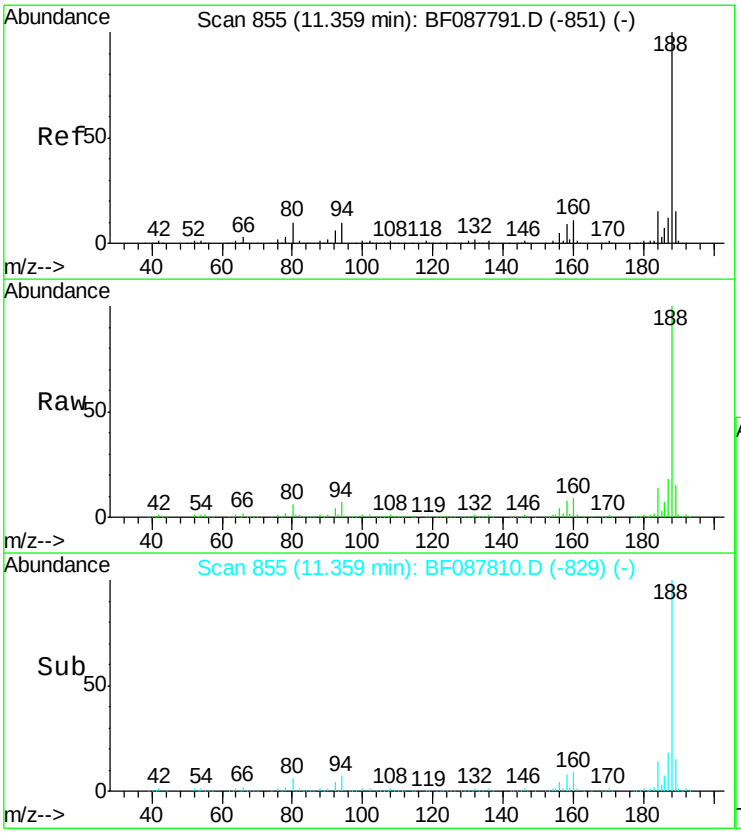
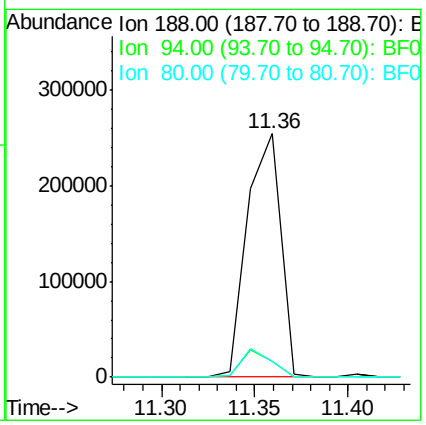
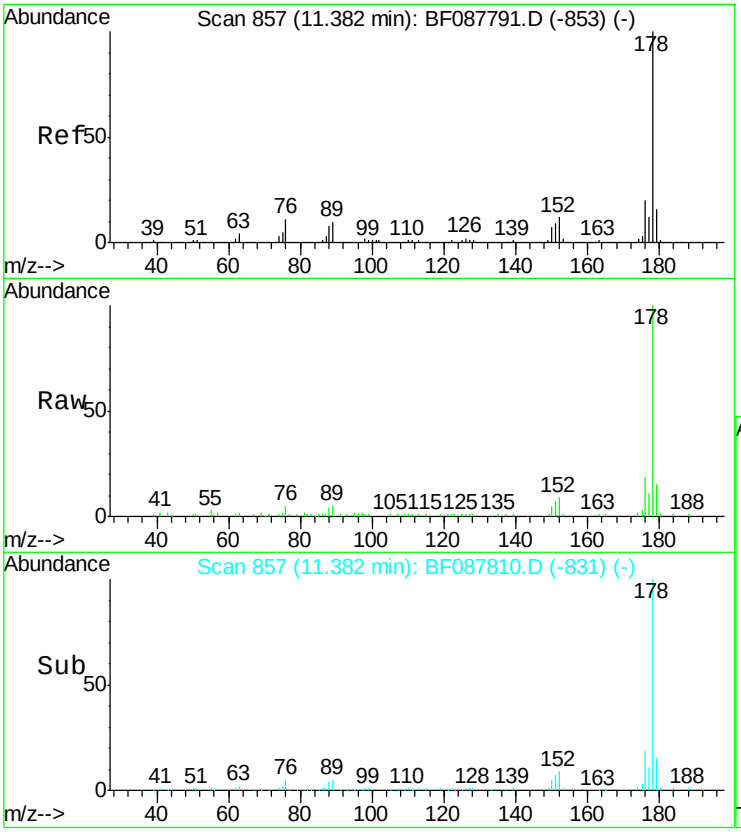


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:188 Resp: 315761

Ion	Ratio	Lower	Upper
188	100		
94	6.6	9.0	13.6#
80	6.3	10.0	15.0#

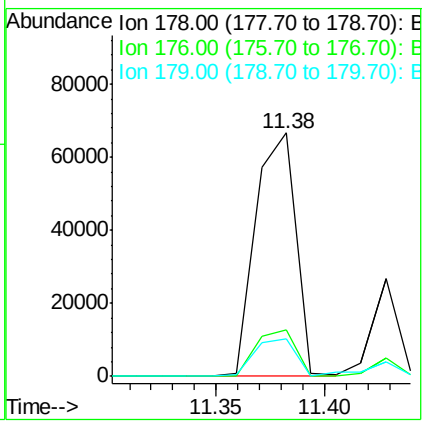




#70
Phenanthrene
Concen: 5.23 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:178 Resp: 86638

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	15.2	13.0	19.4



Instrument :
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ClientSampleId :
SS-15

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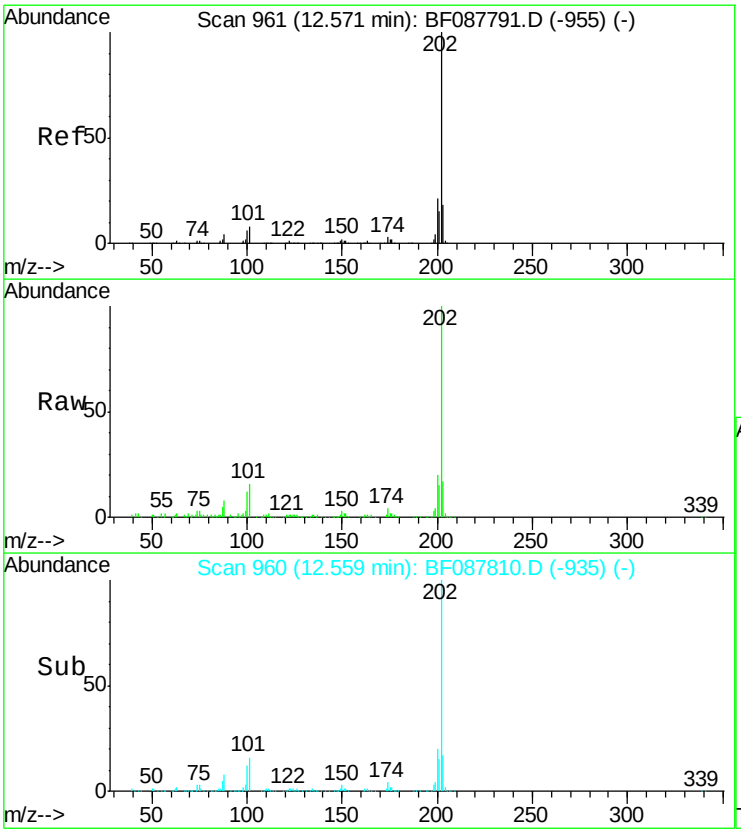
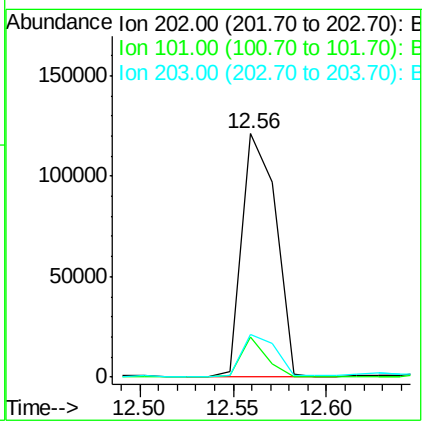
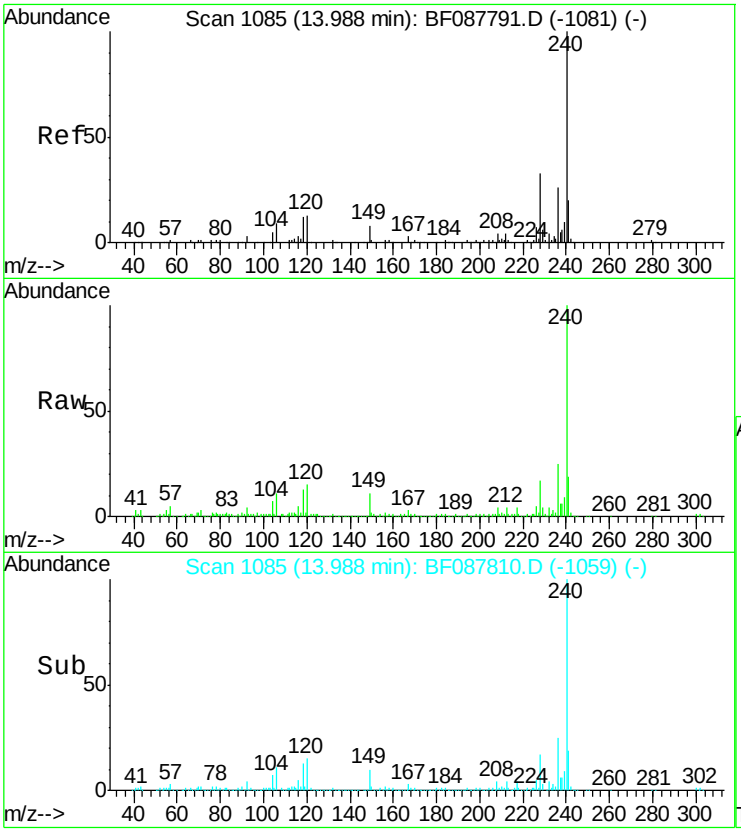


#74
Fluoranthene
Concen: 8.65 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:202 Resp: 151227

Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	33.1
203	17.3	0.0	38.1

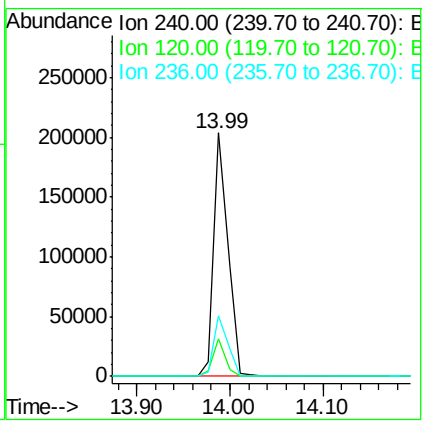




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:240 Resp: 215108

Ion	Ratio	Lower	Upper
240	100		
120	15.3	6.8	10.2#
236	25.1	20.2	30.2



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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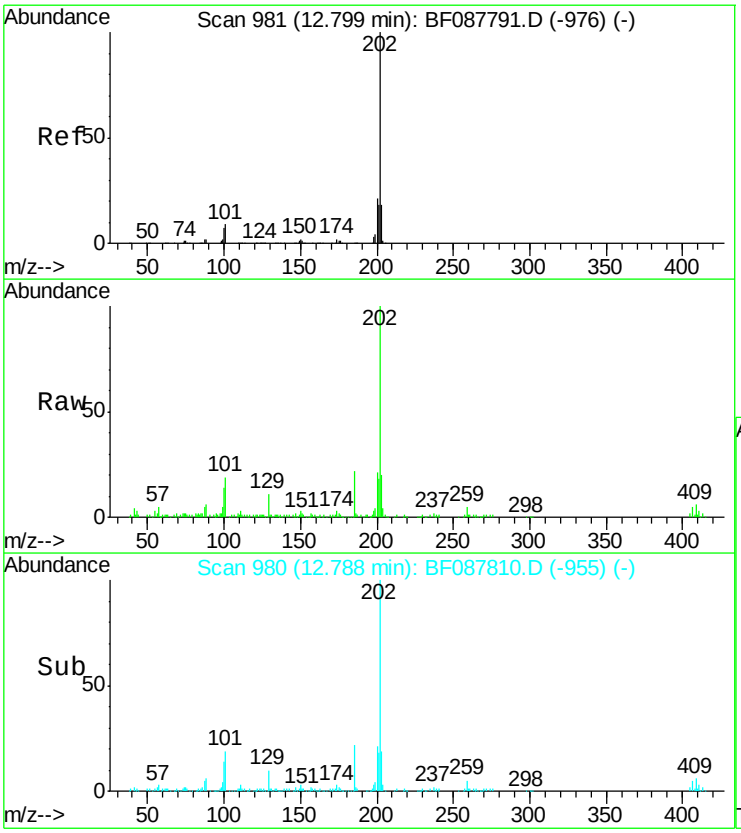
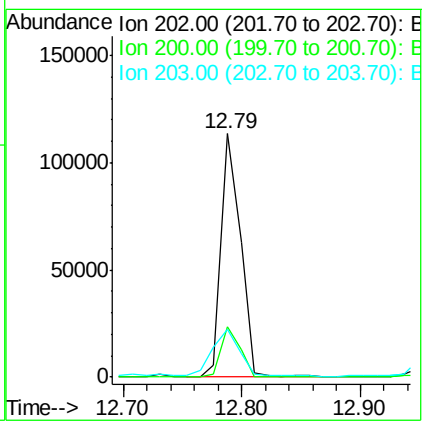
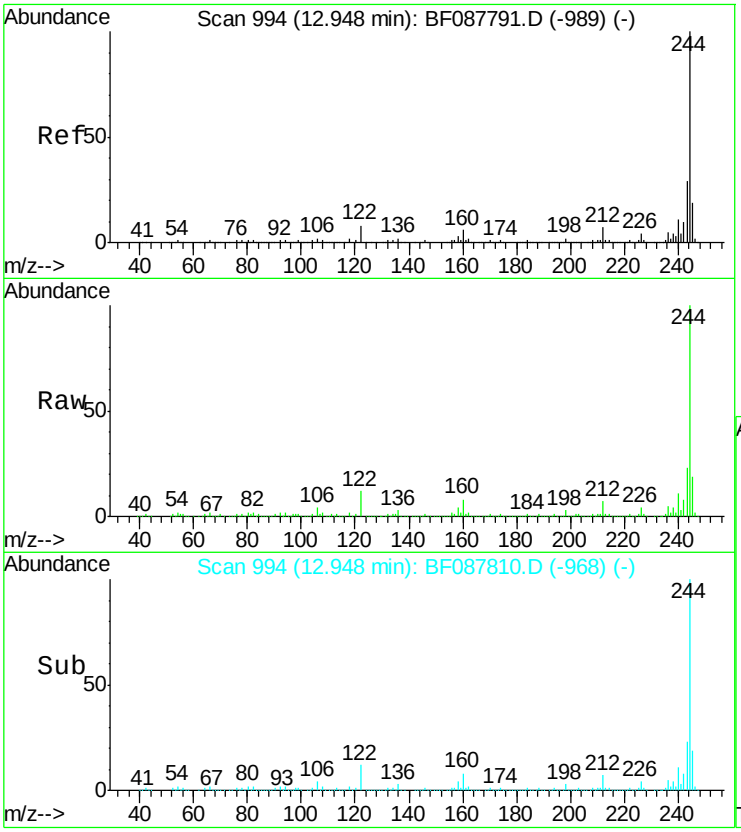


#77
Pyrene
Concen: 8.06 ng
RT: 12.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:202 Resp: 128631

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	19.8	14.5	21.7

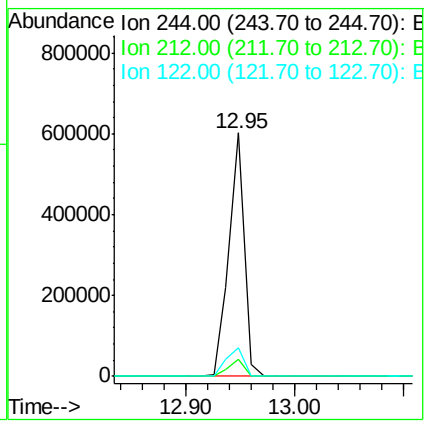




#78
Terphenyl-d14
Concen: 62.16 ng
RT: 12.95 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:244 Resp: 587601

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.0	11.2	16.8



Instrument :
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ClientSampleId :
SS-15

Manual Integrations APPROVED
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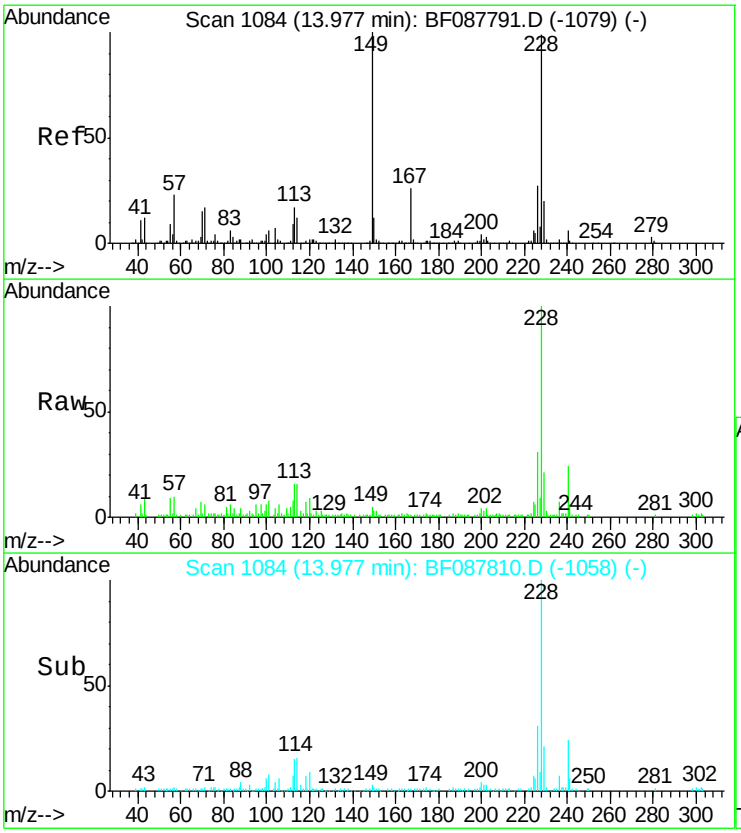
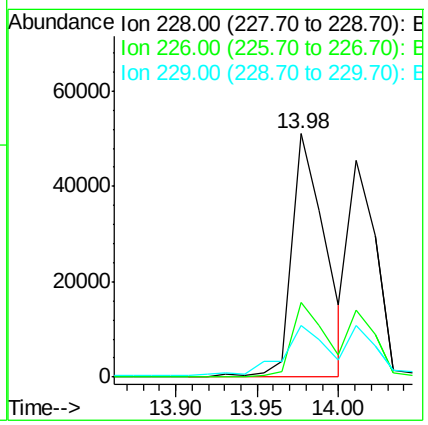
6/9/2016 7:59:40 PM

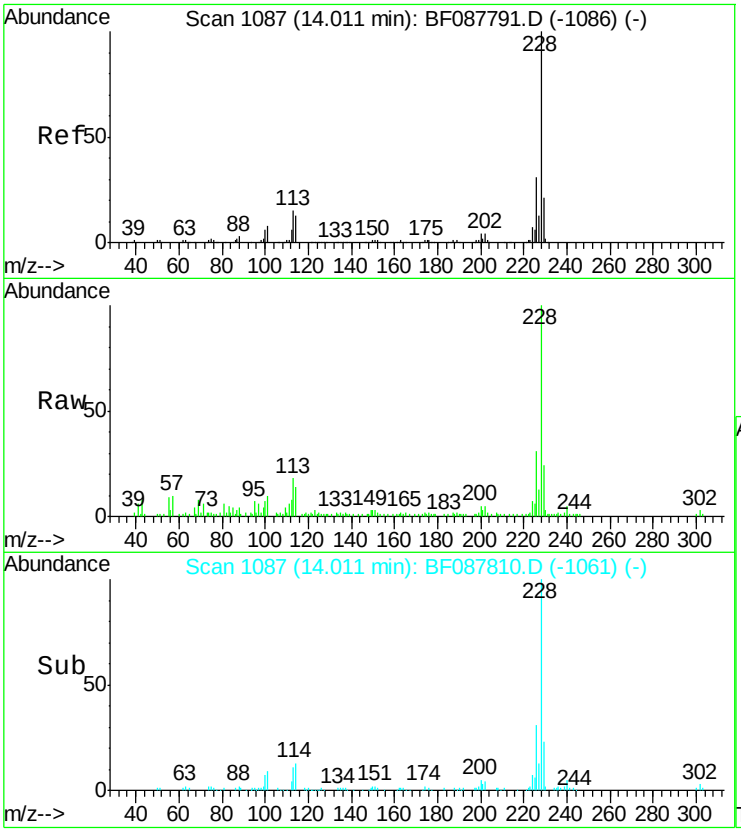


#80
Benzo(a)anthracene
Concen: 5.95 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:228 Resp: 72891

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.3	33.5
229	21.4	16.0	24.0

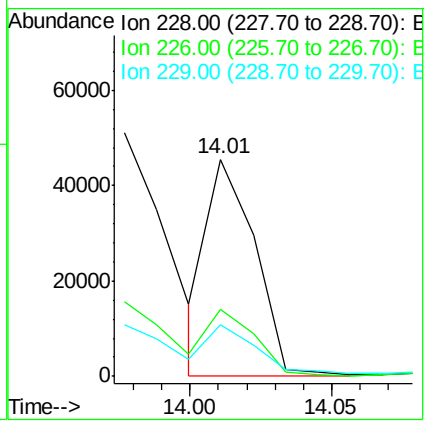




#82
Chrysene
Concen: 4.64 ng m
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:228 Resp: 53511

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	23.6	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
SS-15

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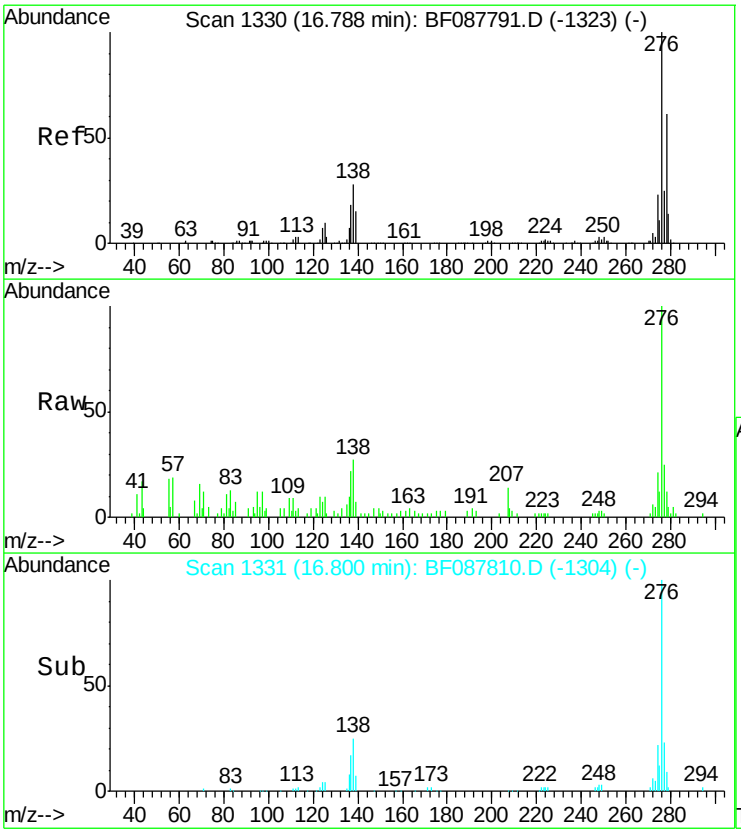
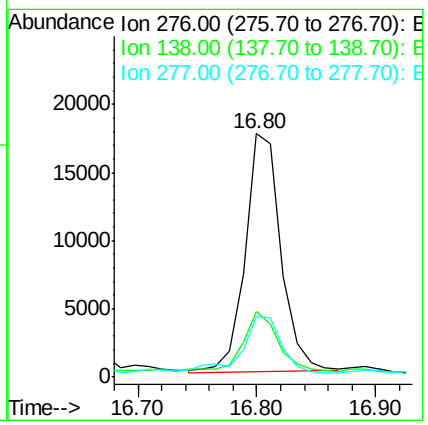
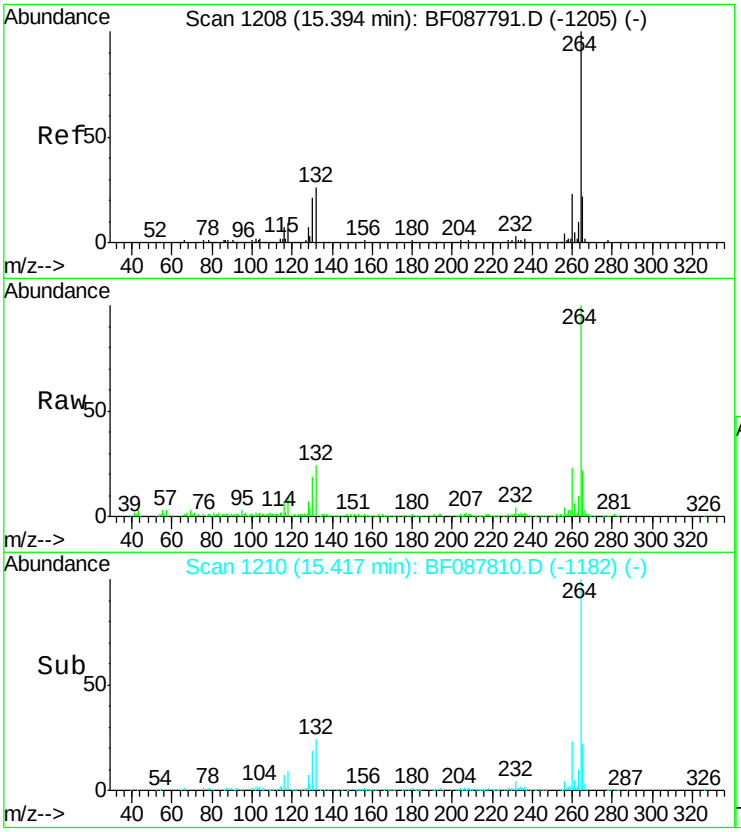


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.44 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:276 Resp: 36900

Ion	Ratio	Lower	Upper
276	100		
138	24.9	0.0	0.0#
277	31.0	0.0	0.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:264 Resp: 212506

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	16.9	25.3

Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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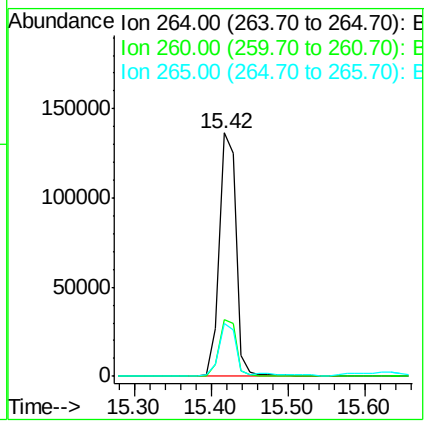
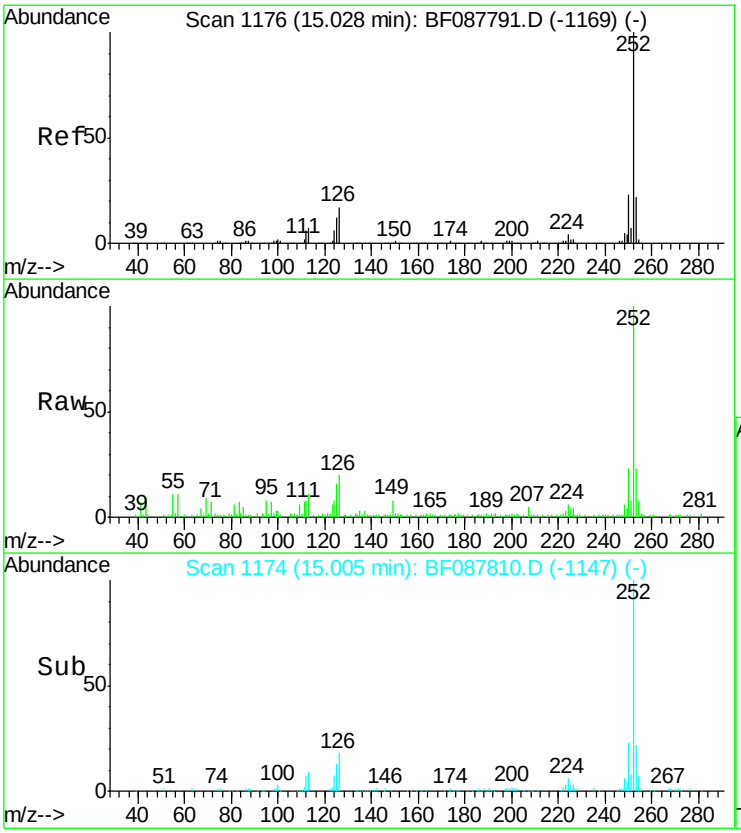
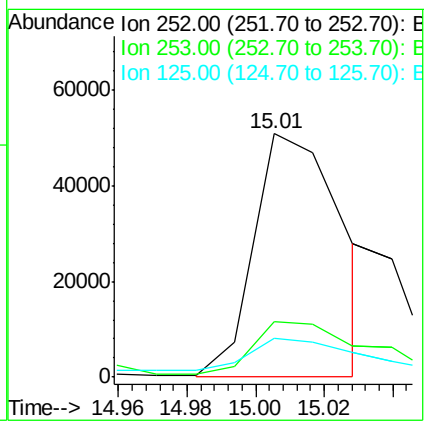


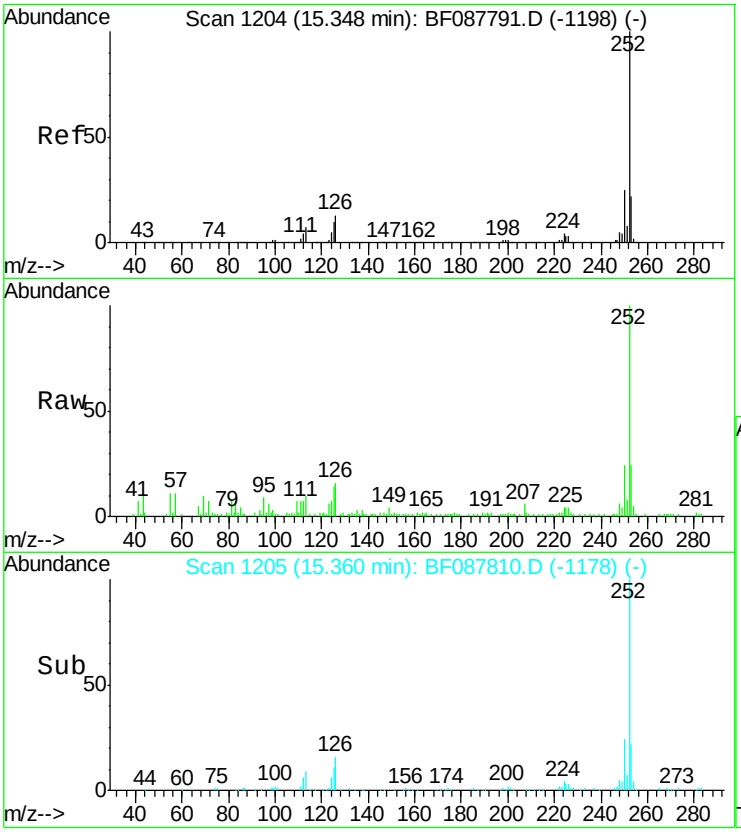


#87
Benzo(b)fluoranthene
Concen: 6.16 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:252 Resp: 91247

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	16.2	7.1	10.7#

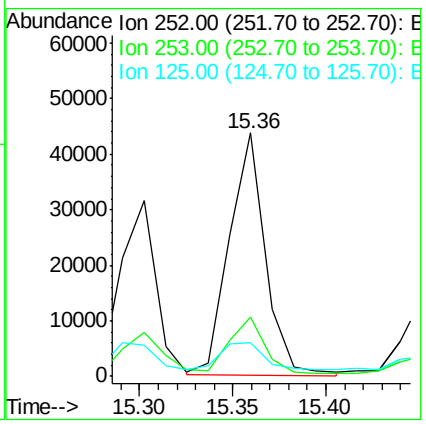




#89
Benzo(a)pyrene
Concen: 4.92 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:252 Resp: 58924

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.8	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SS-15

Manual Integrations APPROVED
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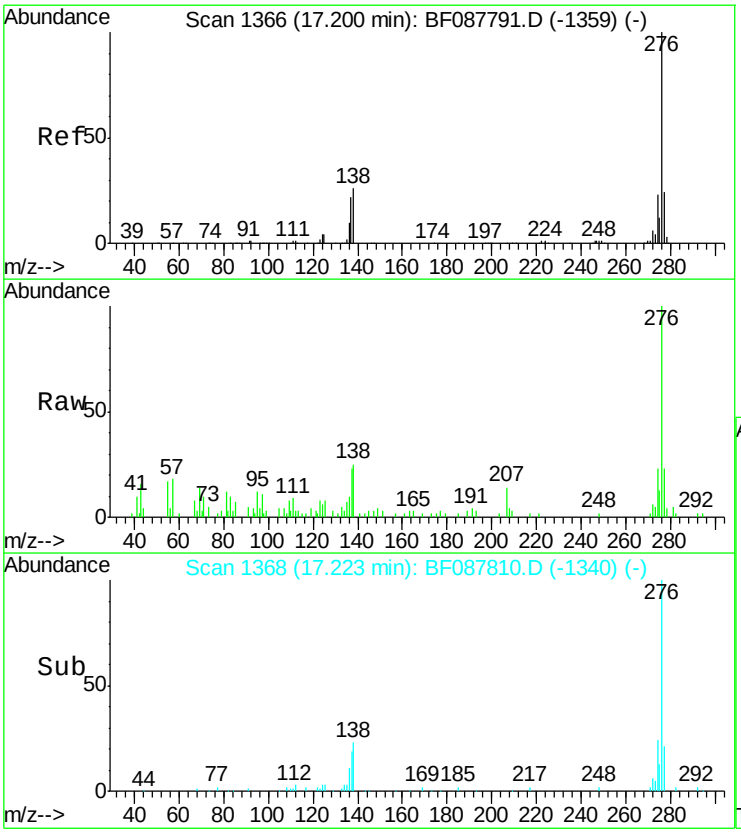

#91
Benzo(g,h,i)perylene
Concen: 3.20 ng
RT: 17.22 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF087810.D
Acq: 8 Jun 2016 15:22

Tgt Ion:276 Resp: 36590

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.9	28.3
138	25.1	21.4	32.2