Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087879.D
Acq On : 10 Jun 2016 17:25
Operator : UM/SJ
Sample : H3426-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-57

Manual Integrations APPROVED
SOHIL
6/13/2016 7:11:04 PM

Quant Time: Jun 10 18:35:09 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	132434m	20.00	ng		-0.03
21) Naphthalene-d8	8.10	136	499052	20.00	ng		-0.02
38) Acenaphthene-d10	9.85	164	215523	20.00	ng		-0.03
63) Phenanthrene-d10	11.32	188	292311	20.00	ng		-0.03
75) Chrysene-d12	13.95	240	274805	20.00	ng		-0.03
86) Perylene-d12	15.36	264	226053	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	374610	48.36	ng		-0.02
7) Phenol-d6	6.44	99	515733	54.93	ng		-0.03
23) Nitrobenzene-d5	7.37	82	254606	29.79	ng		-0.05
41) 2,4,6-Tribromophenol	10.63	330	79651	35.00	ng		-0.05
44) 2-Fluorobiphenyl	9.18	172	503457	33.33	ng		-0.03
78) Terphenyl-d14	12.90	244	274319	22.72	ng		-0.05
Target Compounds							Qvalue
49) Dimethylphthalate	9.56	163	37973	2.43	ng		100
70) Phenanthrene	11.35	178	164284	10.71	ng		98
71) Anthracene	11.39	178	37710	2.44	ng		97
74) Fluoranthene	12.54	202	183092	11.31	ng		92
77) Pyrene	12.75	202	163092	8.00	ng		98
80) Benzo(a)anthracene	13.94	228	111519	7.12	ng		98
82) Chrysene	13.98	228	63461m	4.31	ng		
85) Indeno(1,2,3-cd)pyrene	16.72	276	35689	2.61	ng	#	100
87) Benzo(b)fluoranthene	14.96	252	100083m	6.35	ng		
88) Benzo(k)fluoranthene	14.97	252	36635m	3.08	ng		
89) Benzo(a)pyrene	15.30	252	68050	5.34	ng		97
91) Benzo(g,h,i)perylene	17.12	276	32538	2.67	ng		93

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

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Manual Integrations APPROVED
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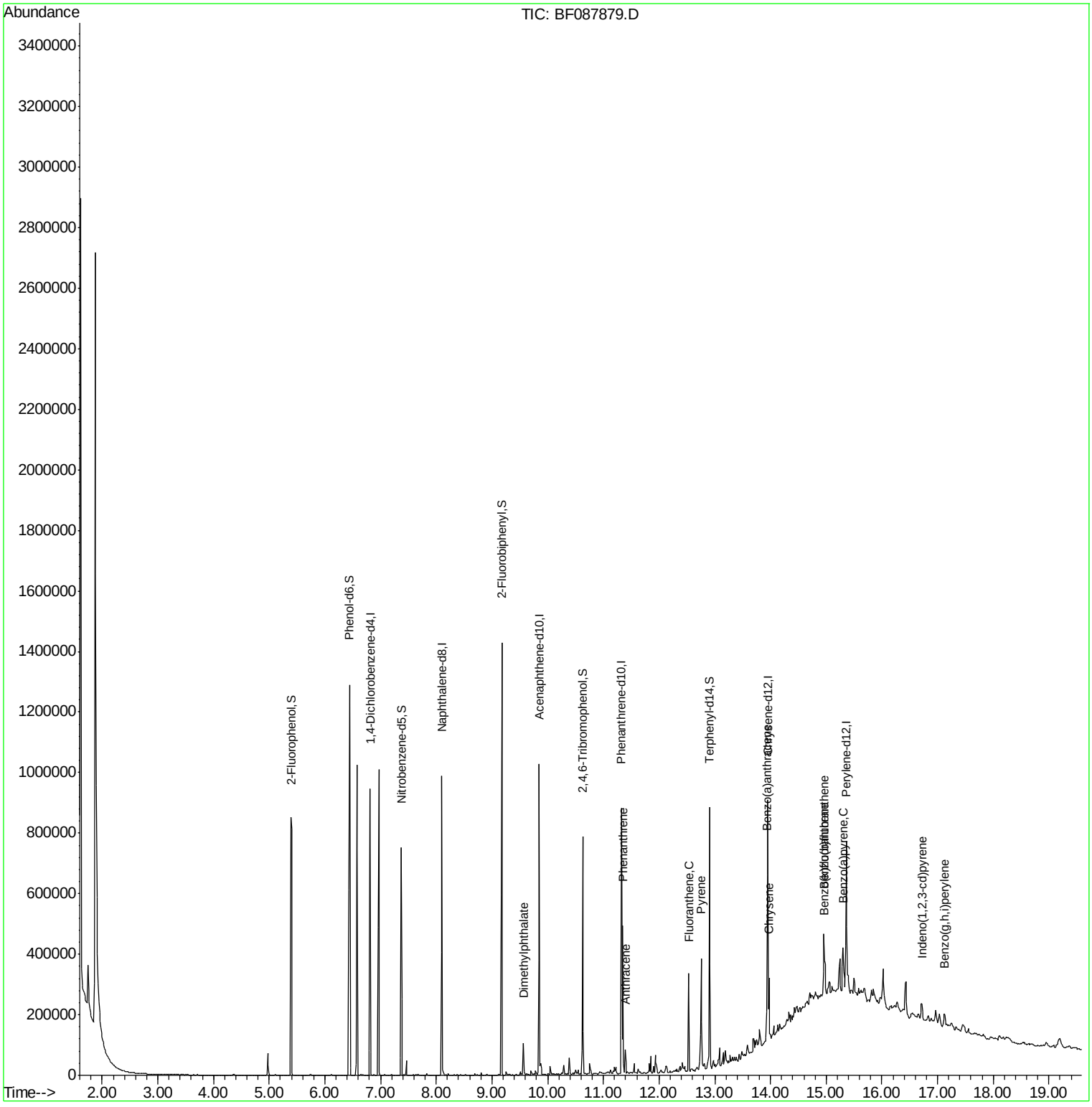
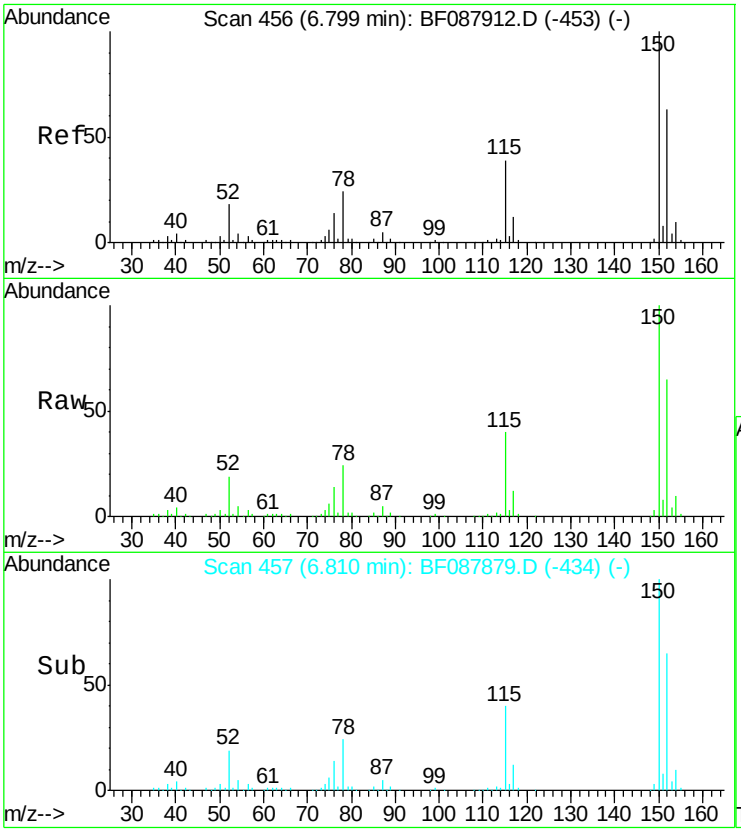
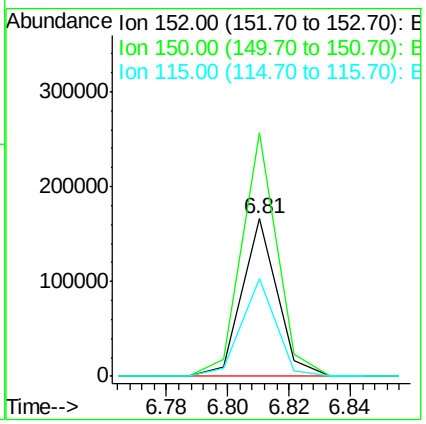




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:152 Resp: 132434

Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.8	185.6
115	62.2	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
SS-57

Manual Integrations APPROVED
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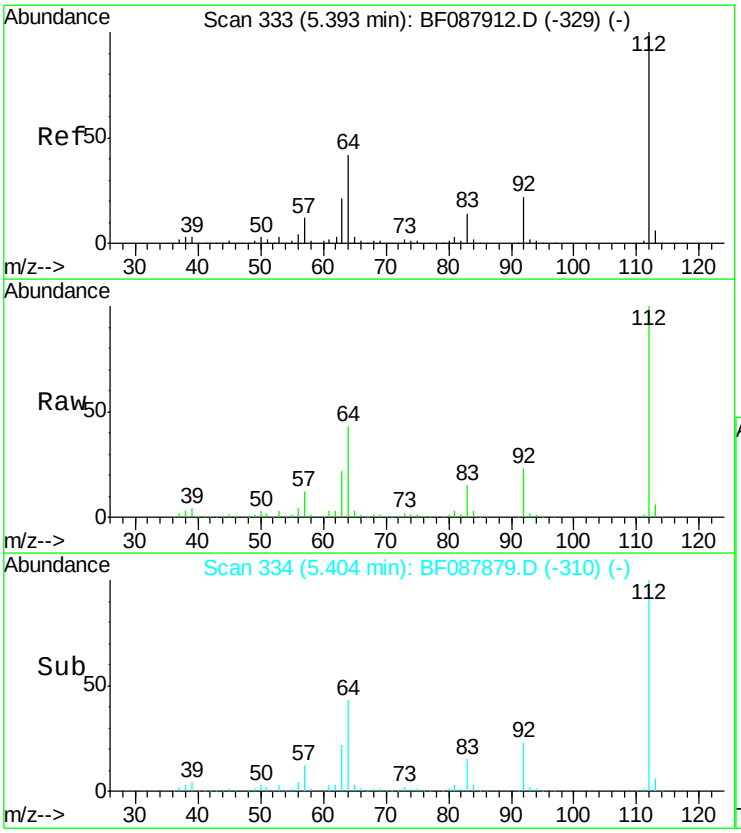
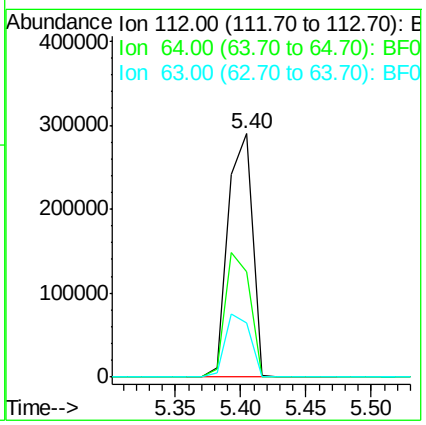
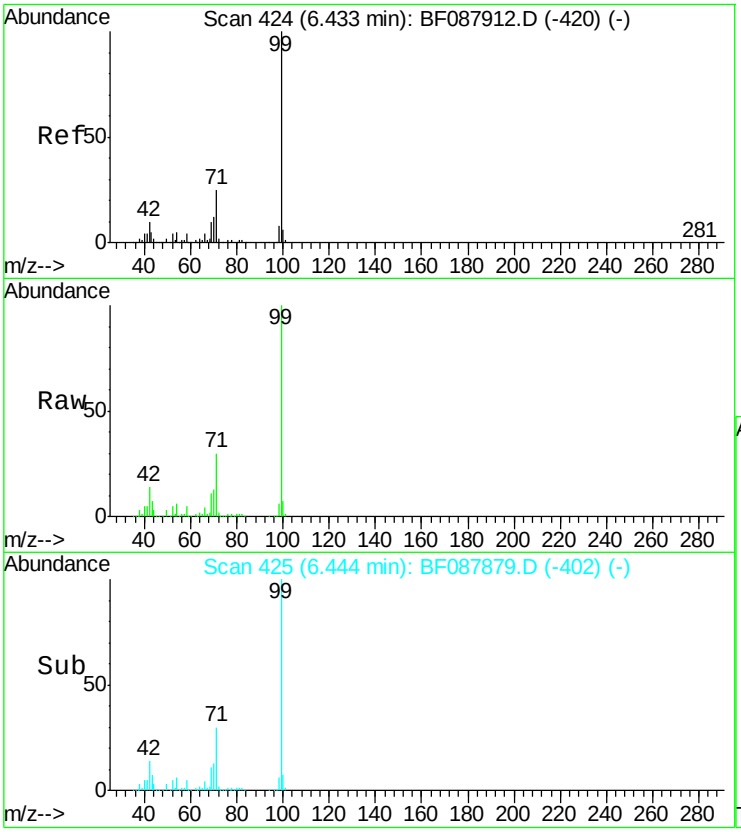


#5
2-Fluorophenol
Concen: 48.36 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:112 Resp: 374610

Ion	Ratio	Lower	Upper
112	100		
64	43.0	42.2	63.2
63	22.1	21.8	32.8

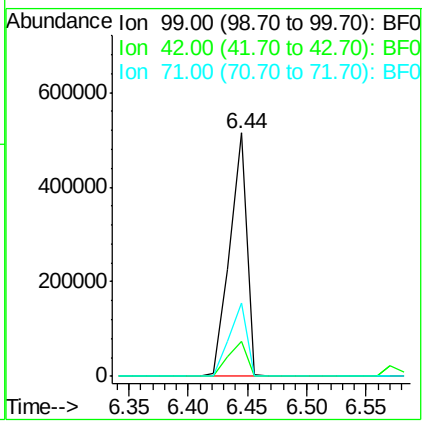




#7
Phenol-d6
Concen: 54.93 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion: 99 Resp: 515733

Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.2	18.2
71	30.3	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
SS-57

Manual Integrations APPROVED
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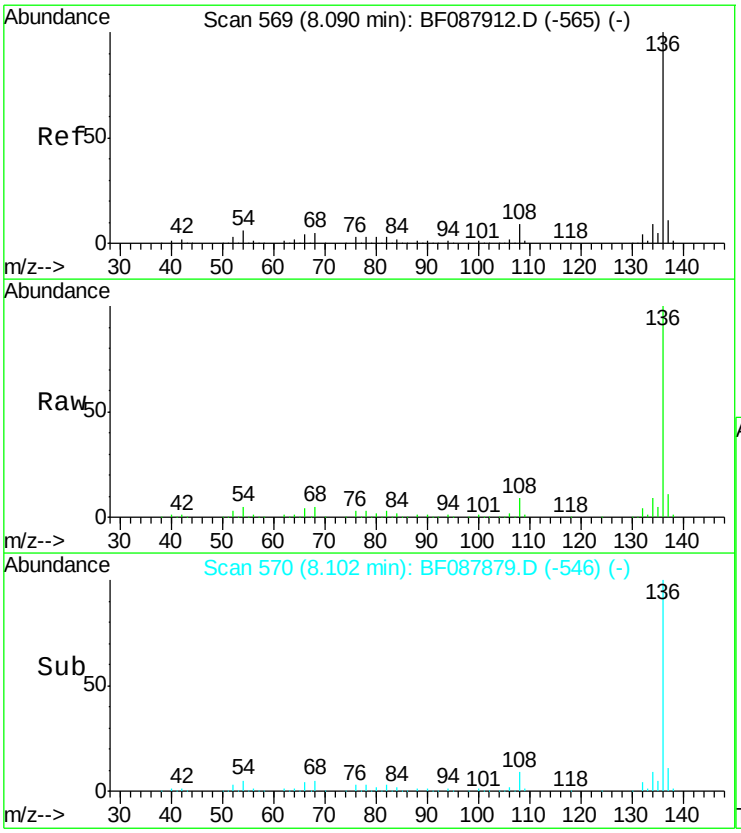
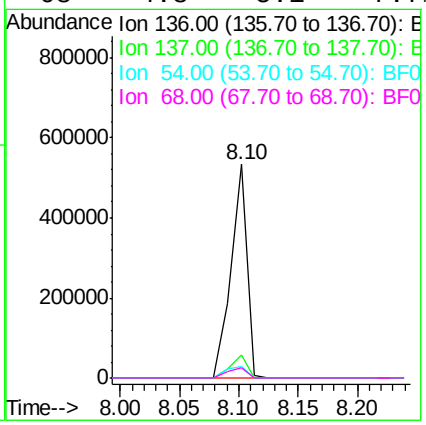
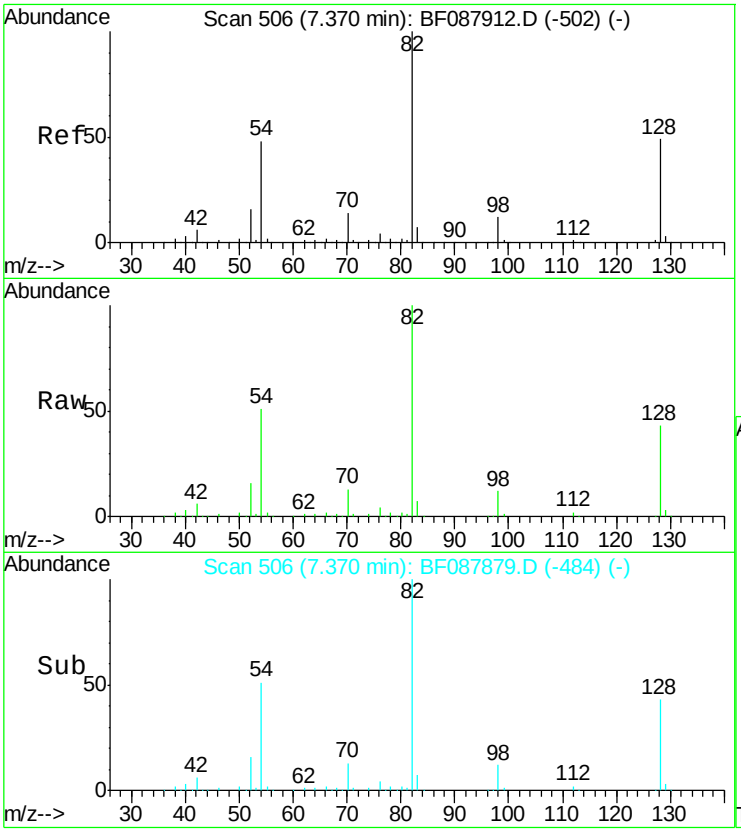


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:136 Resp: 499052

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.5	6.6	10.0#
68	4.8	5.1	7.7#

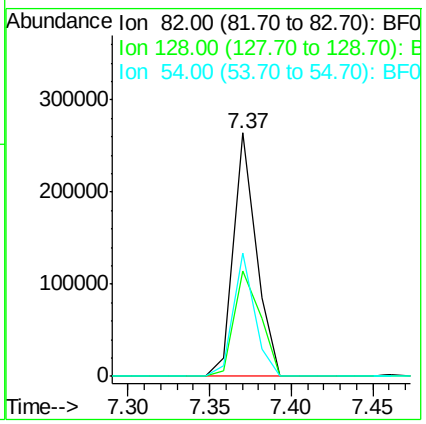




#23
Nitrobenzene-d5
Concen: 29.79 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion: 82 Resp: 254606

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.9	53.9
54	50.7	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SS-57

Manual Integrations APPROVED
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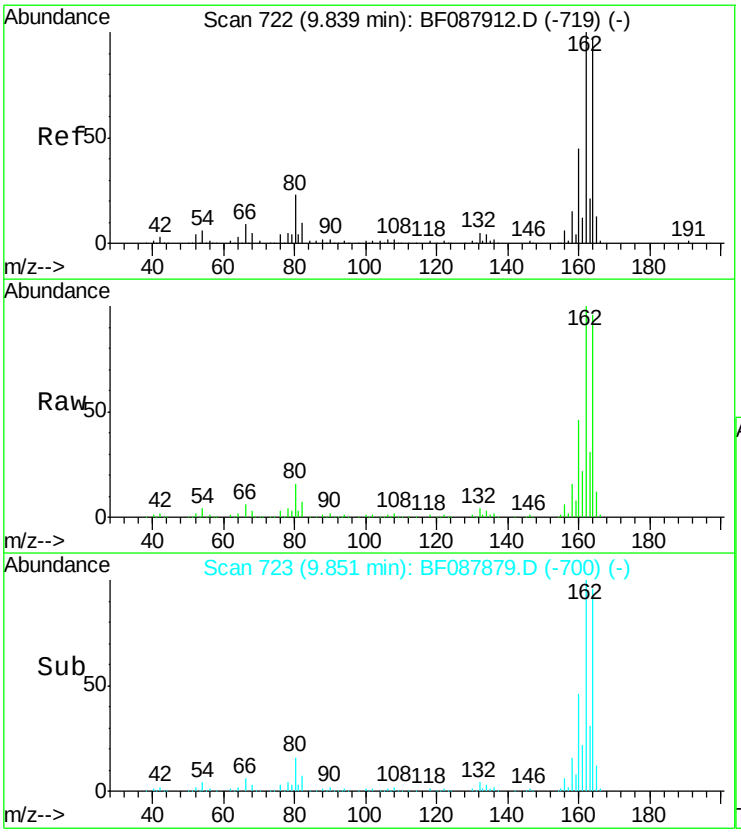
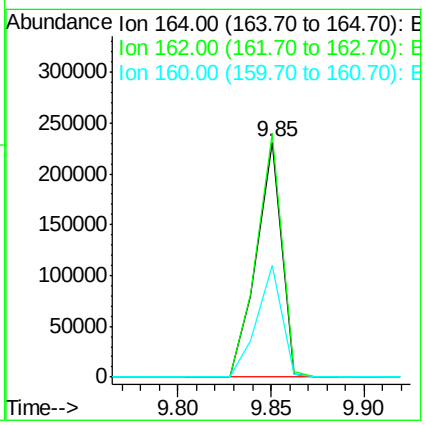
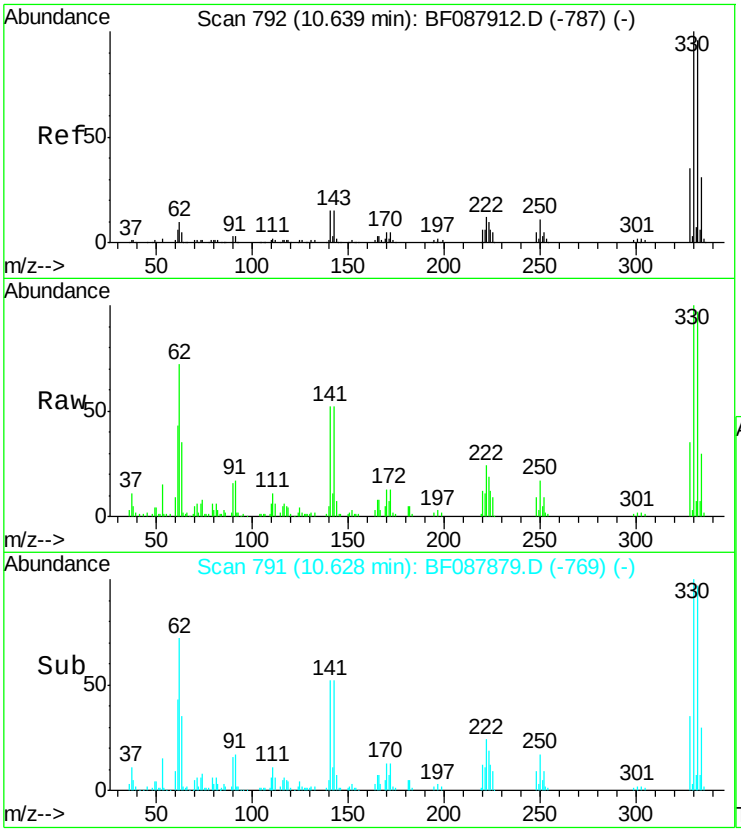


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:164 Resp: 215523

Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.4	128.2
160	47.8	39.5	59.3

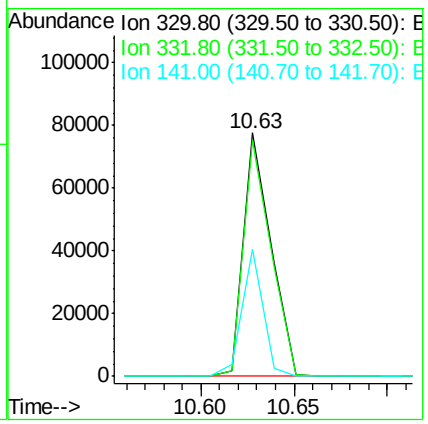




#41
2,4,6-Tribromophenol
Concen: 35.00 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:330 Resp: 79651

Ion	Ratio	Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	40.5	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SS-57

Manual Integrations APPROVED
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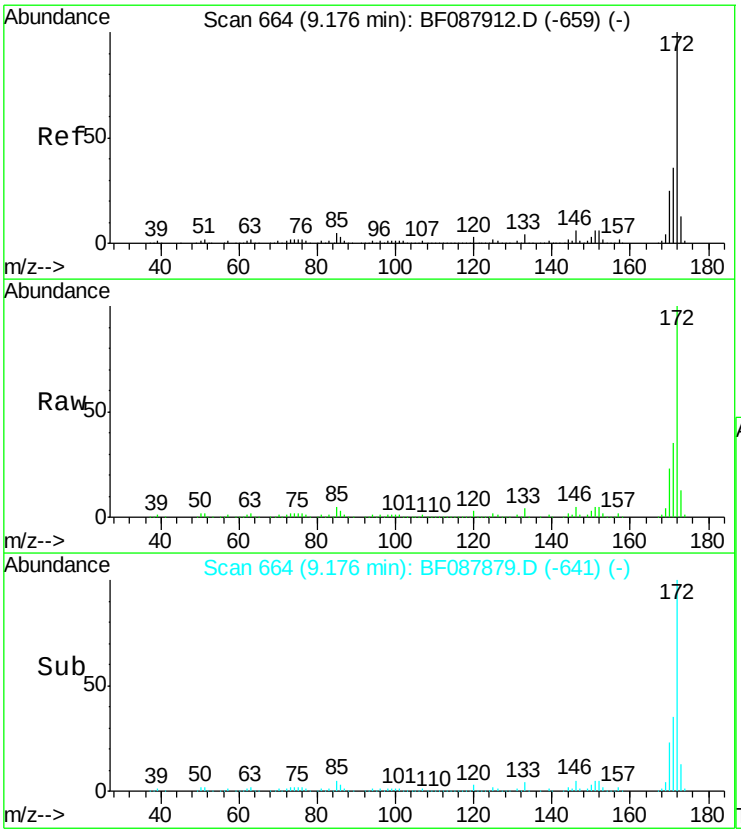
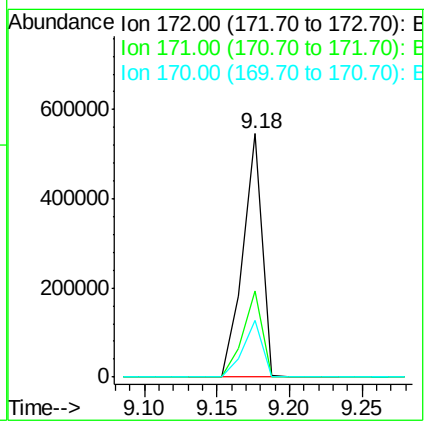
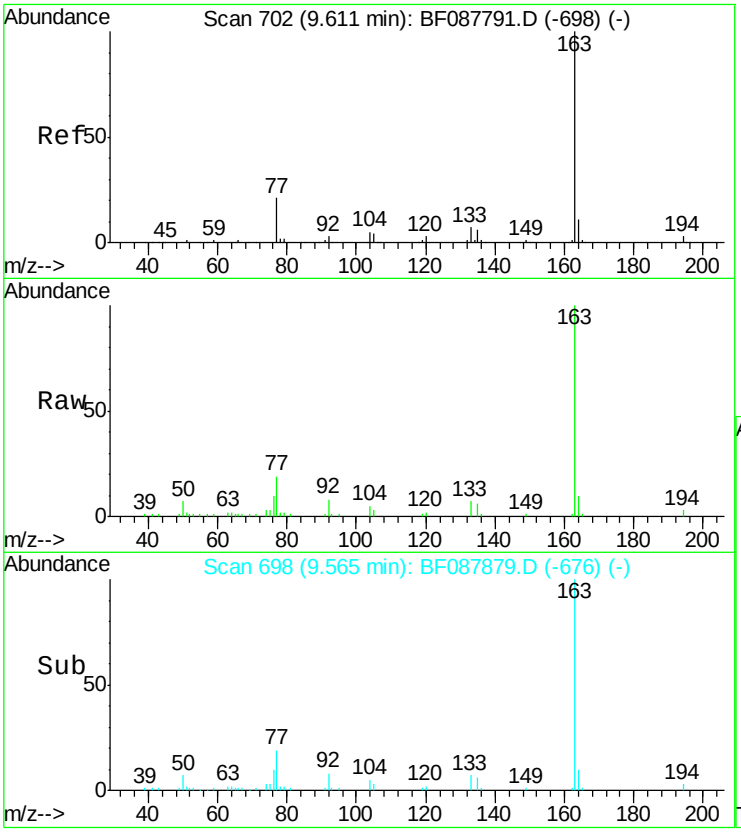


#44
2-Fluorobiphenyl
Concen: 33.33 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:172 Resp: 503457

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.4	19.2	28.8

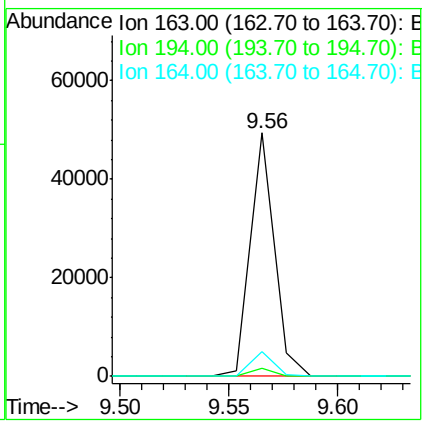




#49
Dimethylphthalate
Concen: 2.43 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:163 Resp: 37973

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.4	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
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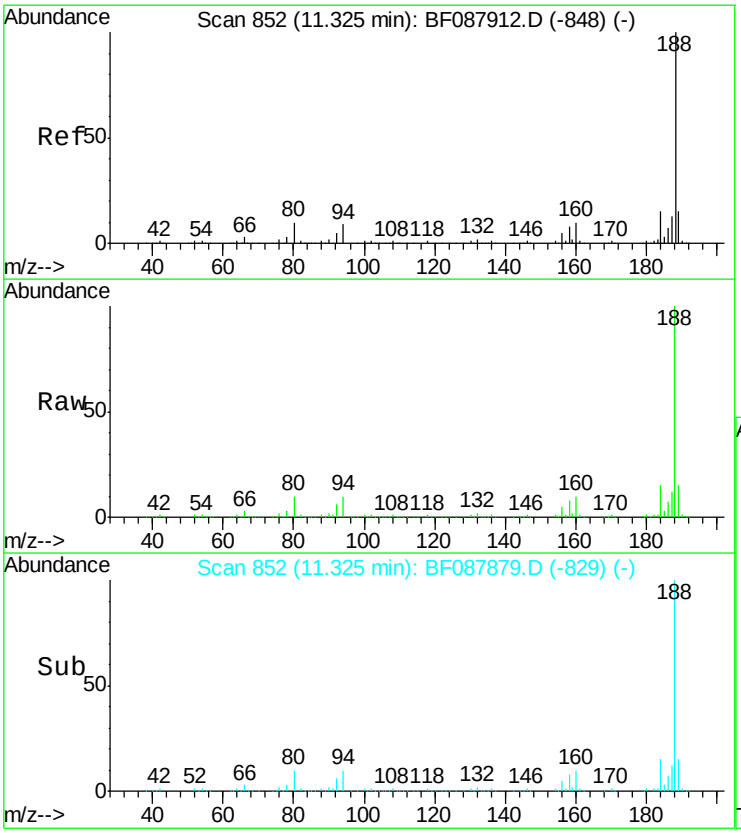
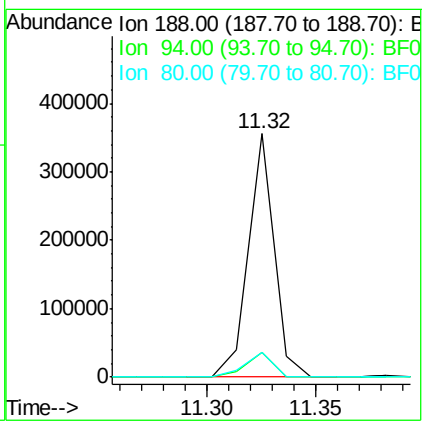
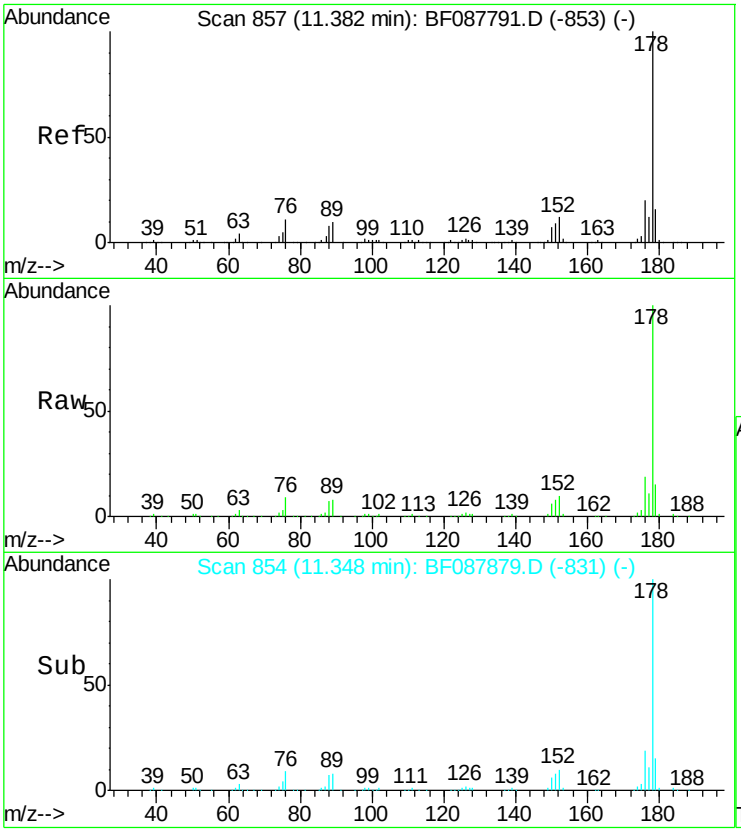


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:188 Resp: 292311

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.6
80	10.4	10.0	15.0

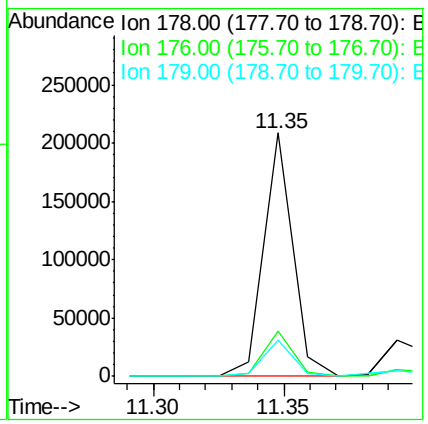




#70
Phenanthrene
Concen: 10.71 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:178 Resp: 164284

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.1	13.0	19.4



Instrument :
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ClientSampleId :
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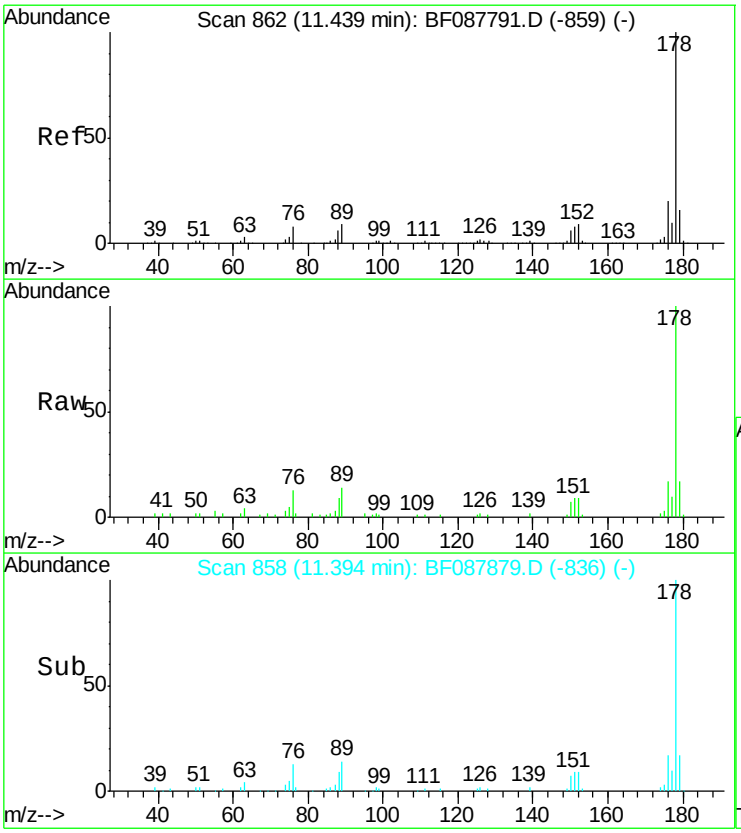
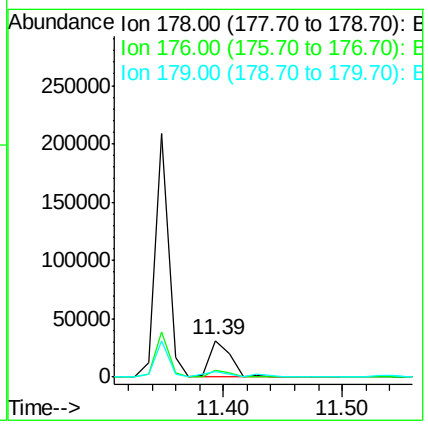
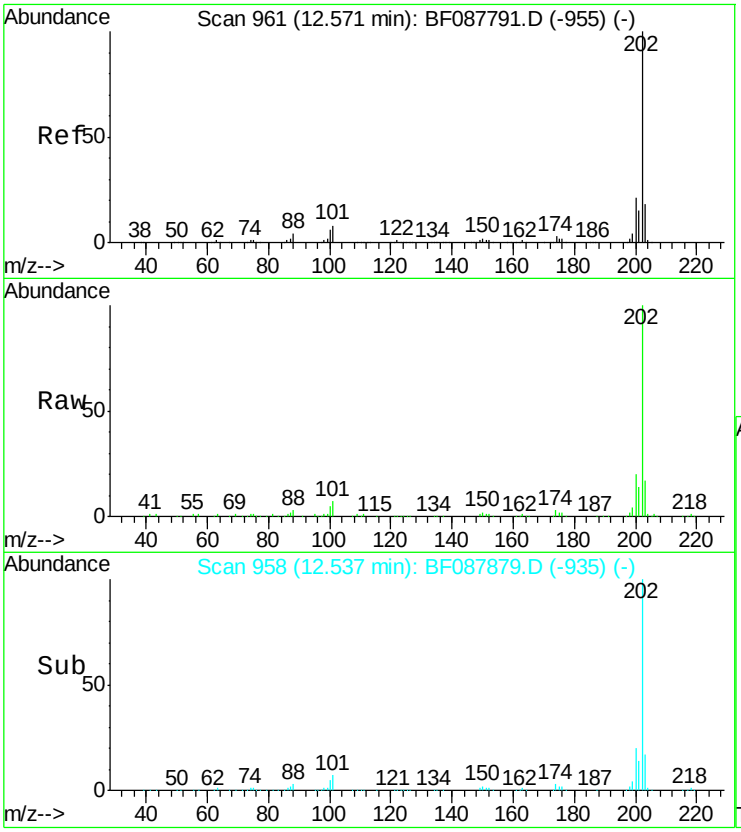


#71
Anthracene
Concen: 2.44 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:178 Resp: 37710

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.6	23.4
179	16.5	12.8	19.2

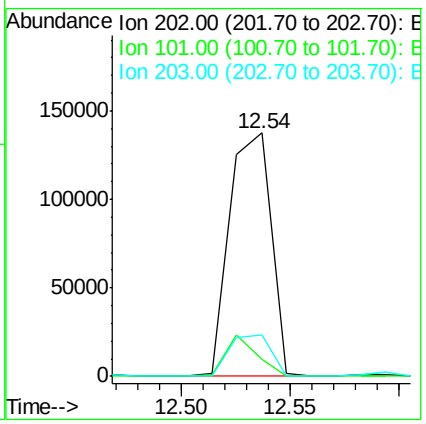




#74
Fluoranthene
Concen: 11.31 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:202 Resp: 183092

Ion	Ratio	Lower	Upper
202	100		
101	7.0	0.0	33.1
203	16.8	0.0	38.1



Instrument :
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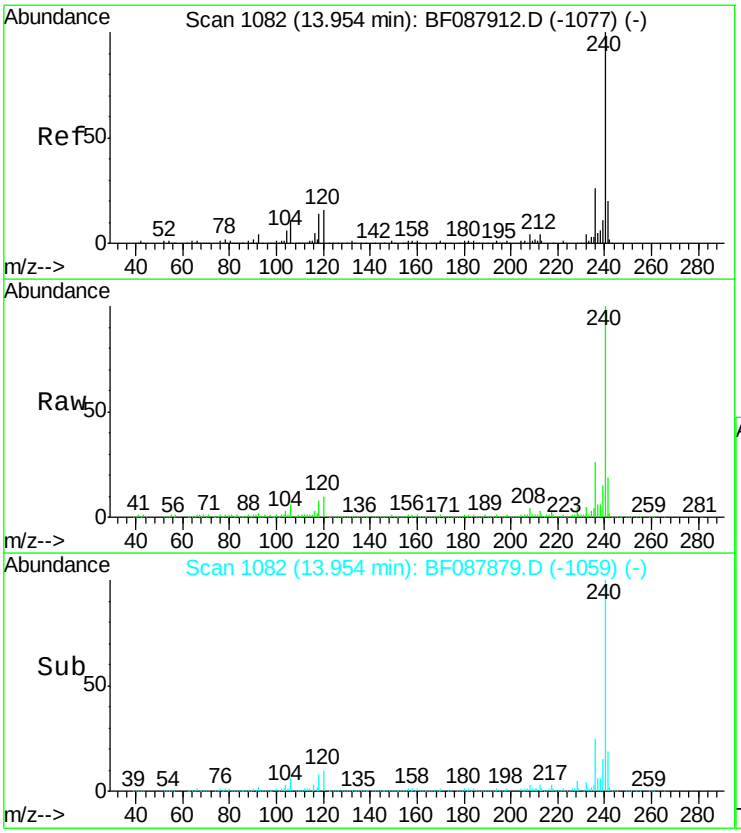
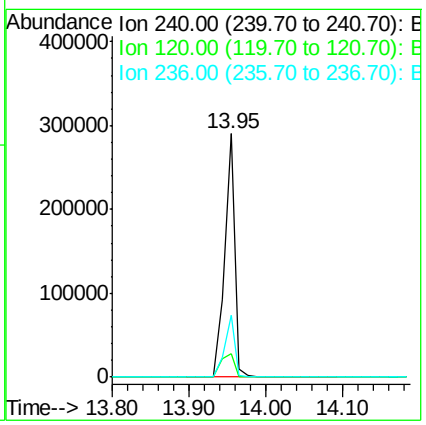
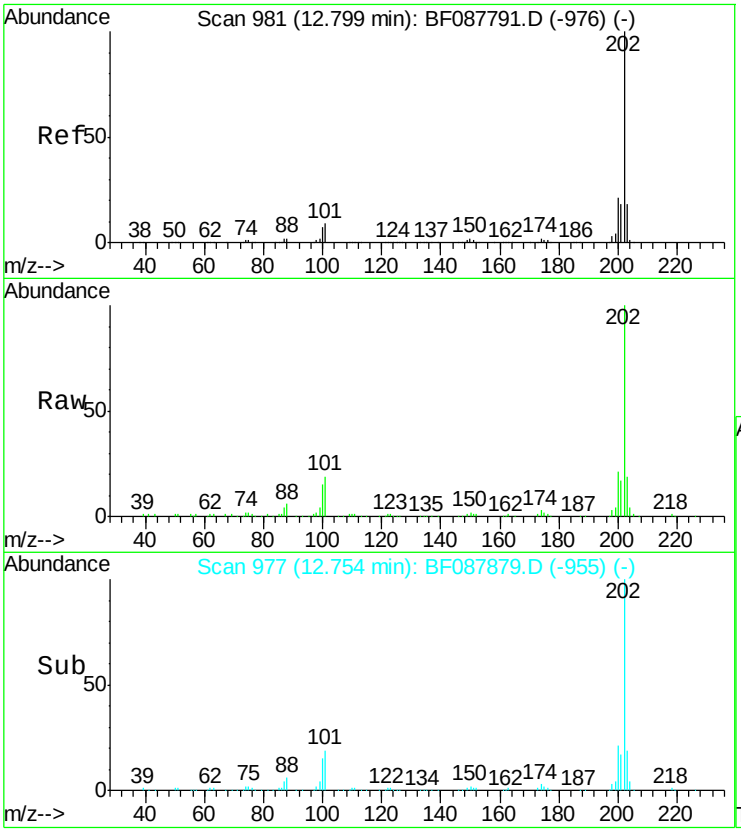


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:240 Resp: 274805

Ion	Ratio	Lower	Upper
240	100		
120	9.9	6.8	10.2
236	25.6	20.2	30.2

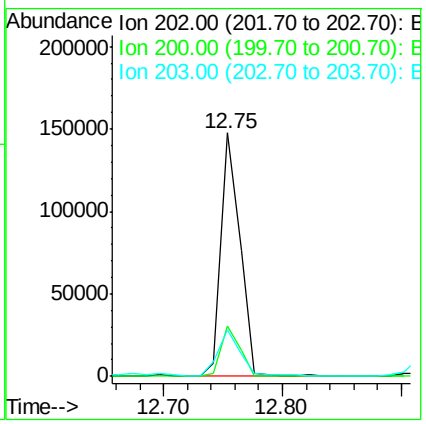




#77
Pyrene
Concen: 8.00 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

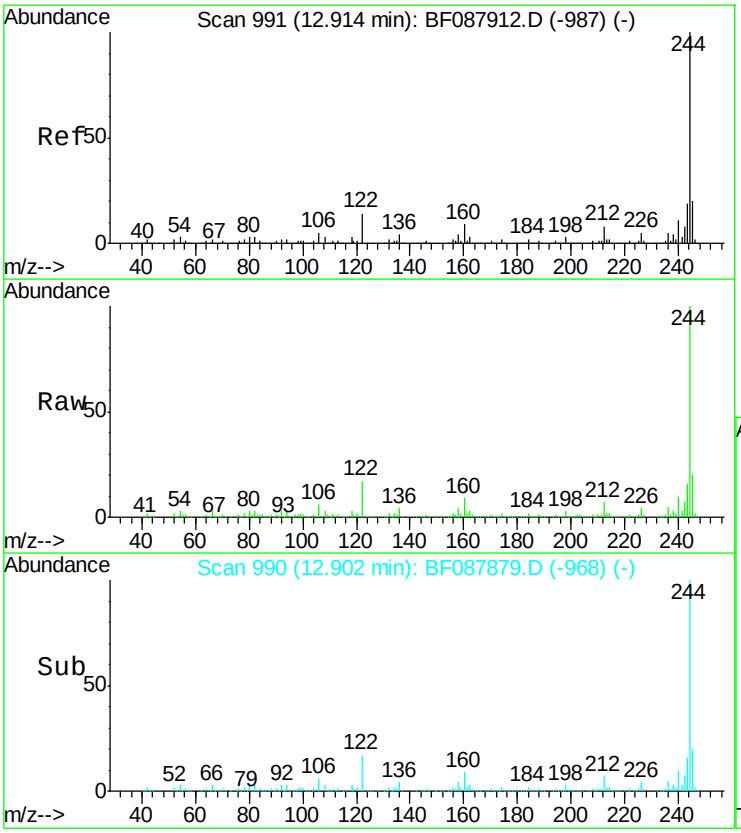
Tgt Ion:202 Resp: 163092

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	19.1	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
SS-57

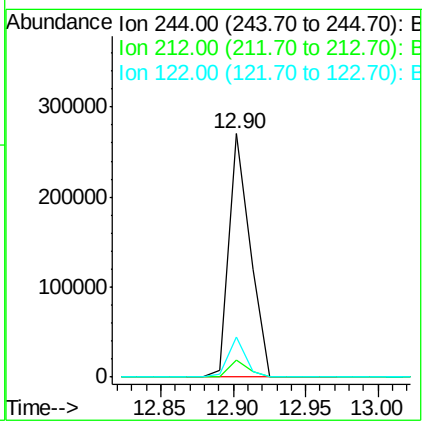
Manual Integrations APPROVED
SOHIL
6/13/2016 7:11:04 PM

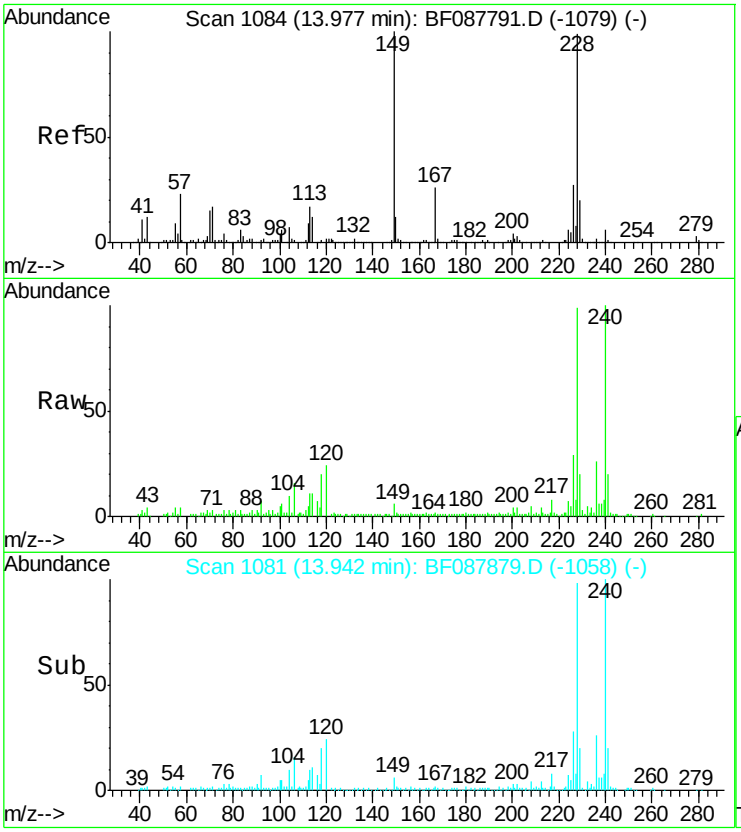


#78
Terphenyl-d14
Concen: 22.72 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:244 Resp: 274319

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	16.7	11.2	16.8

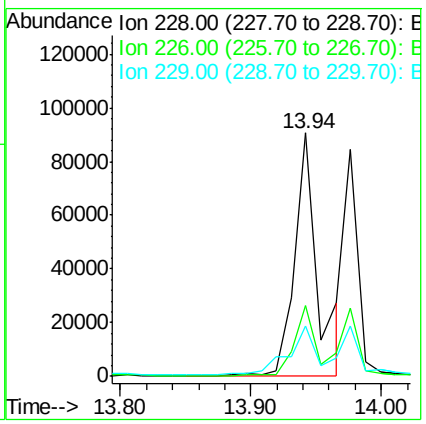




#80
Benzo(a)anthracene
Concen: 7.12 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:228 Resp: 111519

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	20.8	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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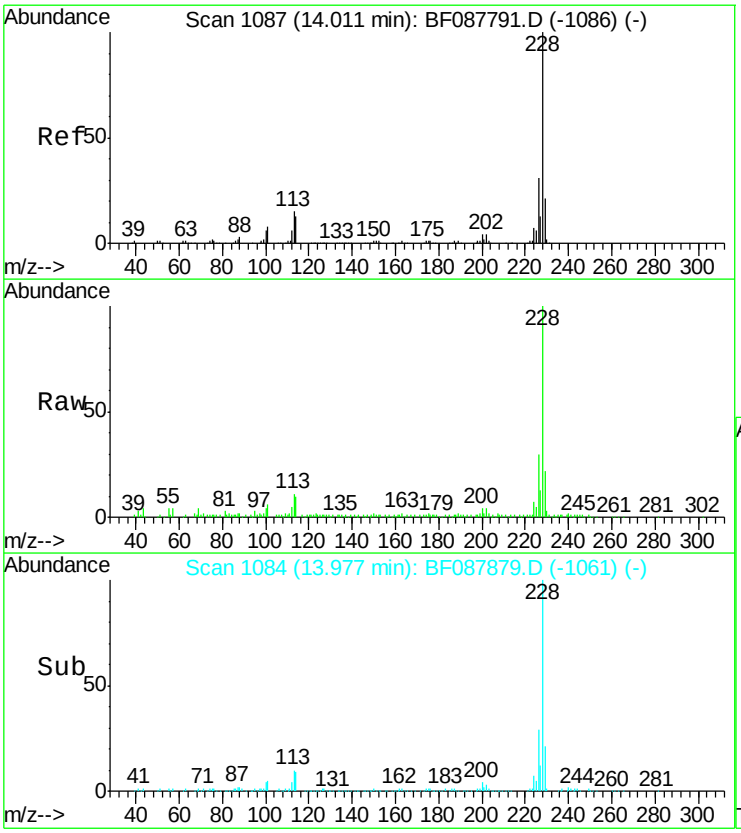
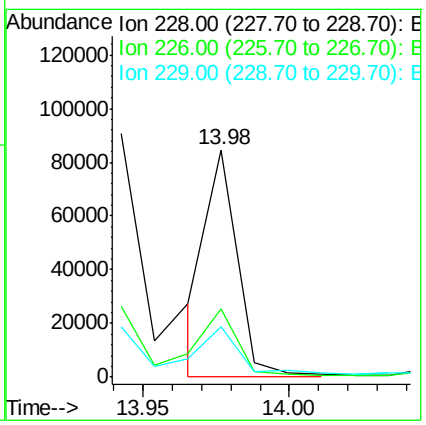
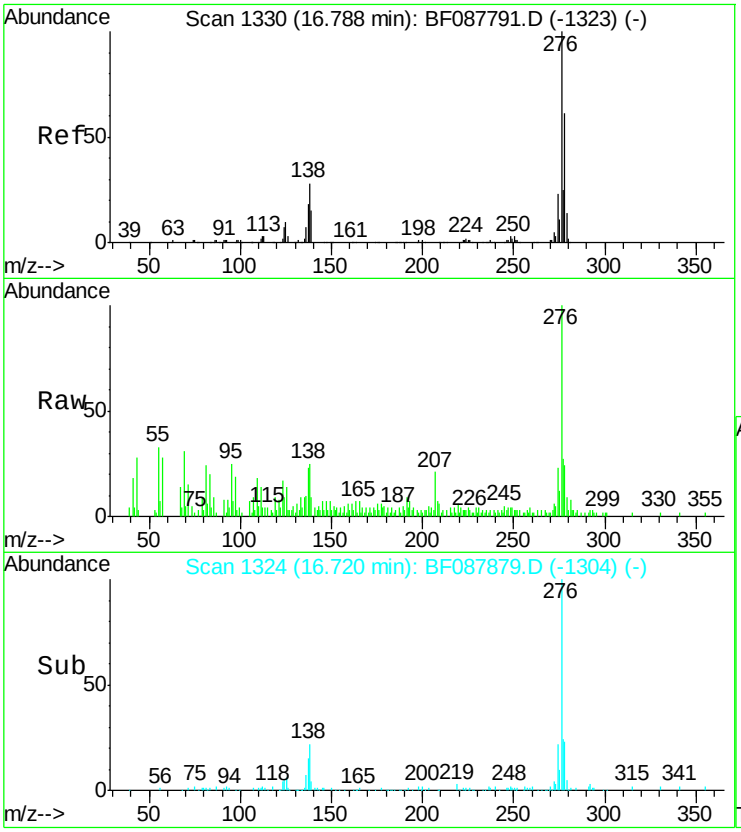


#82
Chrysene
Concen: 4.31 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:228 Resp: 63461

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	22.1	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.61 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.07 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:276 Resp: 35689

Ion	Ratio	Lower	Upper
276	100		
138	27.8	0.0	0.0#
277	29.2	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
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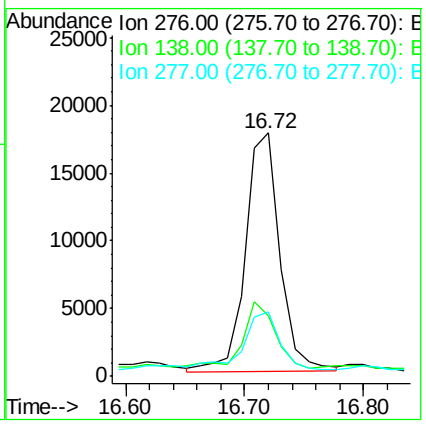
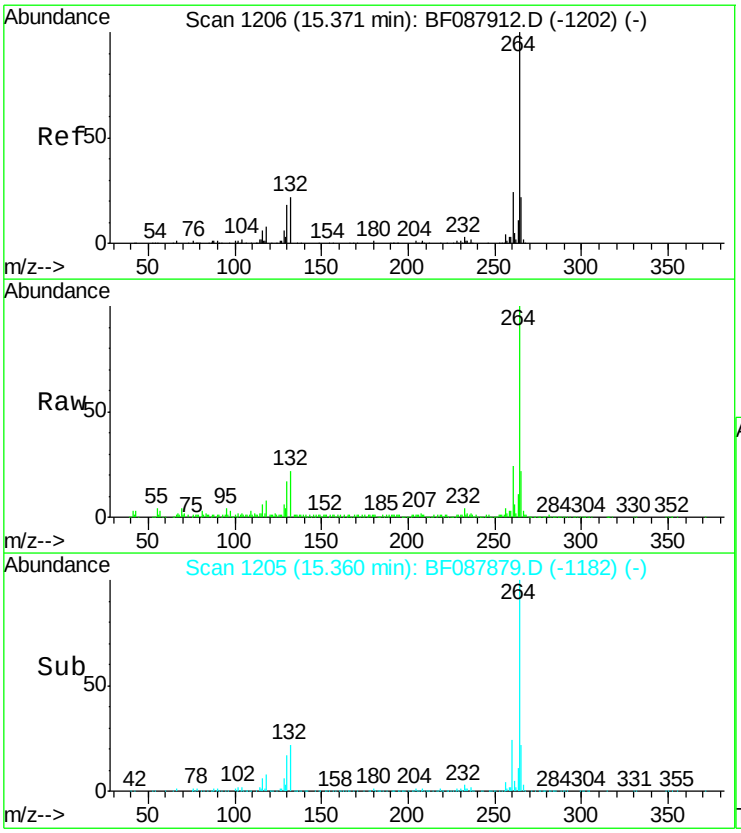
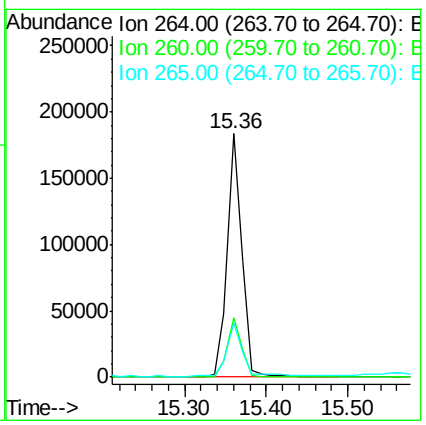


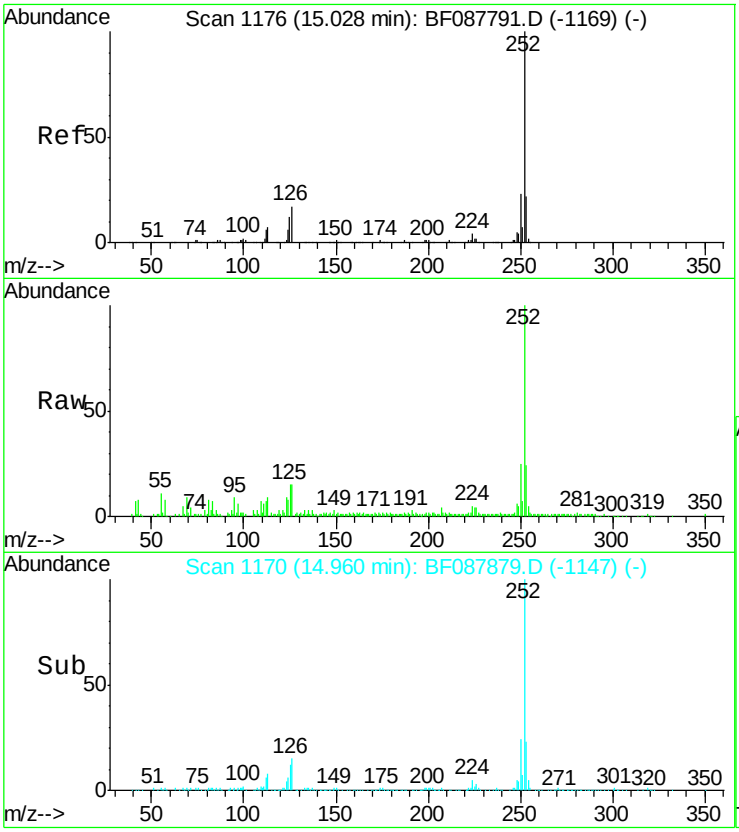


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:264 Resp: 226053

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	16.9	25.3

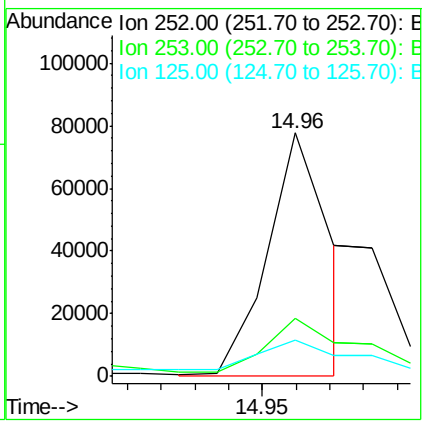




#87
Benzo(b)fluoranthene
Concen: 6.35 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:252 Resp: 100083

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	14.7	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
SS-57

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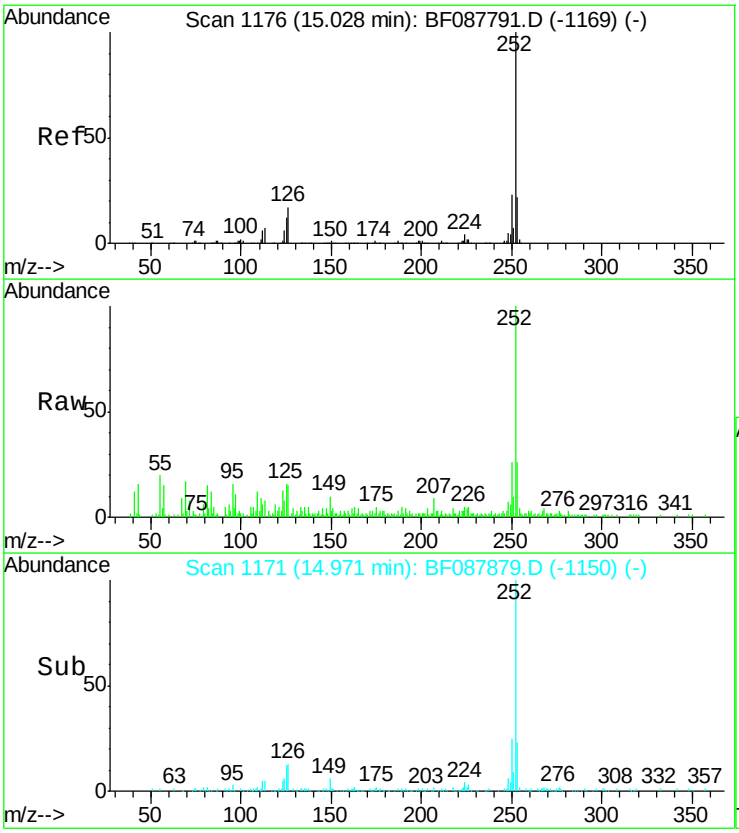
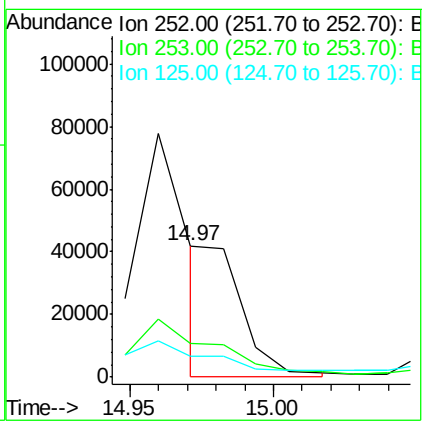
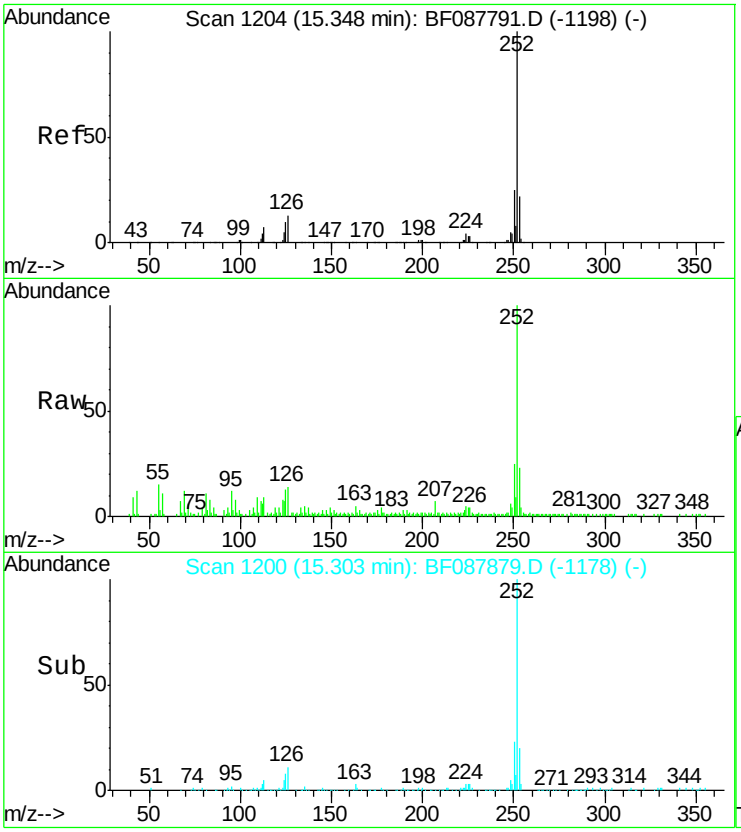


#88
Benzo(k)fluoranthene
Concen: 3.08 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:252 Resp: 36635

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	16.2	11.2	16.8

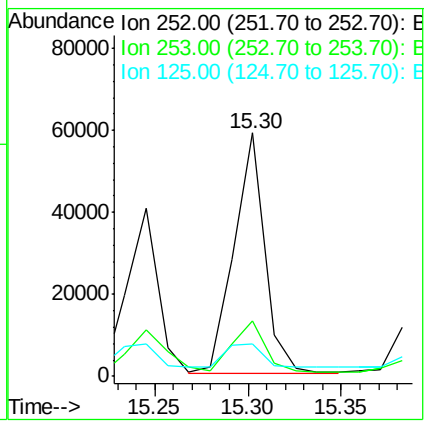




#89
Benzo(a)pyrene
Concen: 5.34 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:252 Resp: 68050

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.3	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SS-57

Manual Integrations APPROVED
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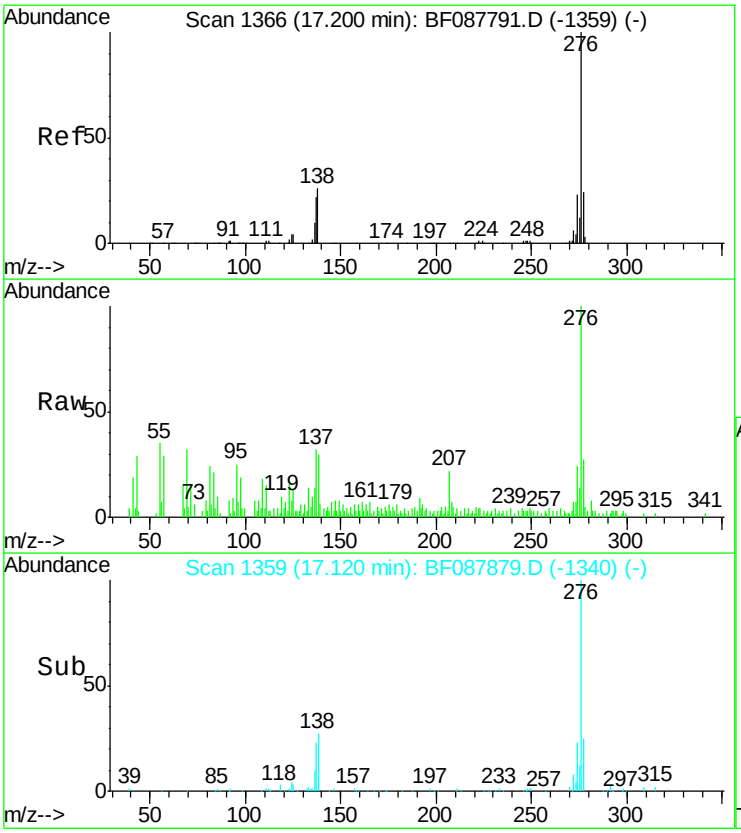

#91
Benzo(g,h,i)perylene
Concen: 2.67 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087879.D
Acq: 10 Jun 2016 17:25

Tgt Ion:276 Resp: 32538

Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.9	28.3
138	30.4	21.4	32.2