Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091066.D
Acq On : 7 Nov 2016 19:55
Operator : UM/SJ
Sample : H5543-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
sohil
11/8/2016 4:32:16 PM

Quant Time: Nov 08 01:01:47 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 00:06:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	180619	20.00	ng		0.00
21) Naphthalene-d8	7.96	136	740499	20.00	ng		0.00
38) Acenaphthene-d10	9.71	164	316515	20.00	ng		0.00
63) Phenanthrene-d10	11.20	188	502326	20.00	ng		0.00
75) Chrysene-d12	13.83	240	430713	20.00	ng		0.00
86) Perylene-d12	15.21	264	376862	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.28	112	1385157	126.66	ng		0.02
7) Phenol-d6	6.33	99	1738212	117.10	ng		0.00
23) Nitrobenzene-d5	7.24	82	720965	53.11	ng		0.00
41) 2,4,6-Tribromophenol	10.51	330	207575	72.54	ng		0.00
44) 2-Fluorobiphenyl	9.05	172	1662371	90.42	ng		0.00
78) Terphenyl-d14	12.79	244	1354060	78.45	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.44	163	517149	24.92	ng		99
70) Phenanthrene	11.22	178	68799	2.58	ng		97
74) Fluoranthene	12.41	202	155436	5.61	ng		90
77) Pyrene	12.63	202	142606	5.06	ng		97
80) Benzo(a)anthracene	13.81	228	99382	4.06	ng		98
82) Chrysene	13.86	228	85179m	3.53	ng		
85) Indeno(1,2,3-cd)pyrene	16.51	276	47495	2.37	ng	#	88
87) Benzo(b)fluoranthene	14.83	252	123506m	4.83	ng		
88) Benzo(k)fluoranthene	14.85	252	45434m	2.03	ng		
89) Benzo(a)pyrene	15.15	252	83078	3.73	ng	#	85
91) Benzo(g,h,i)perylene	16.90	276	42913	2.47	ng		93

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

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Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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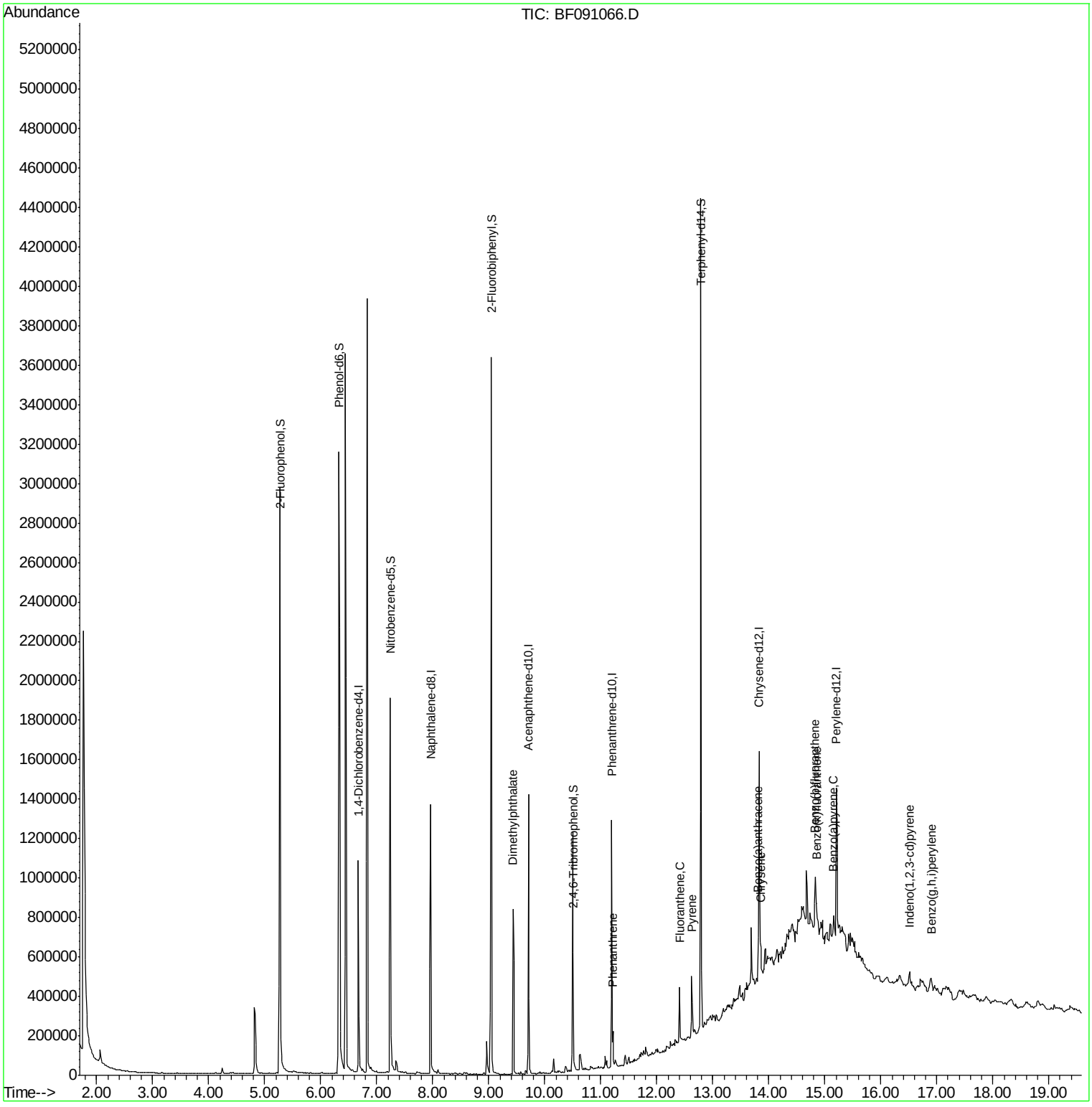
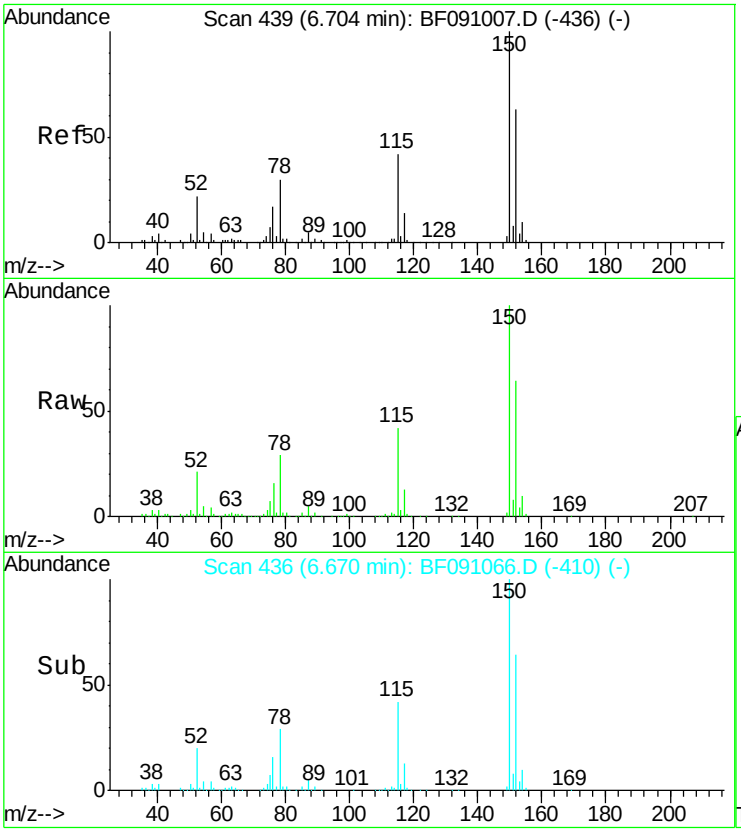
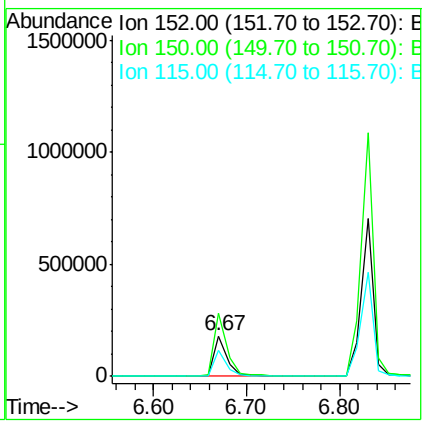




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:152 Resp: 180619

Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.8	190.2
115	66.2	53.3	79.9



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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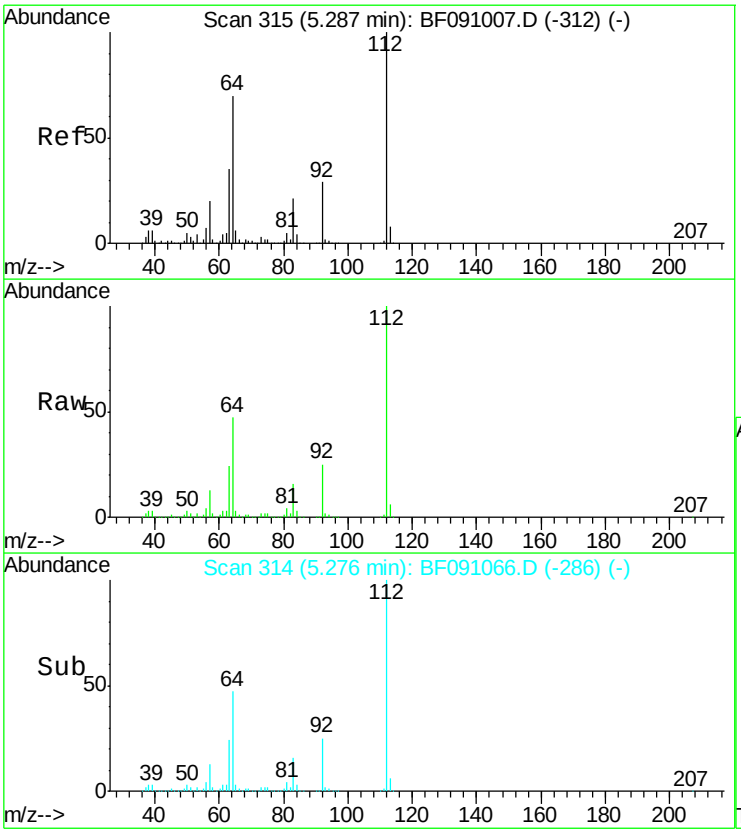
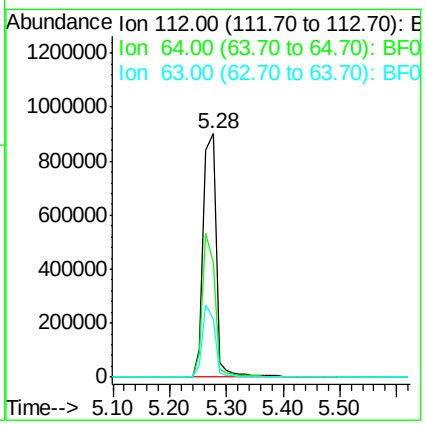
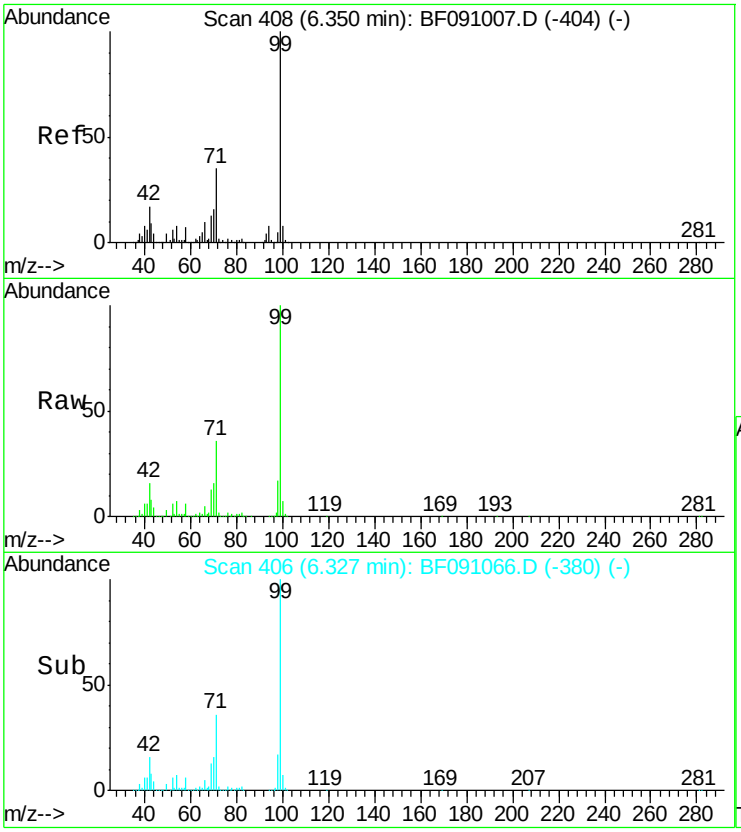


#5
2-Fluorophenol
Concen: 126.66 ng
RT: 5.28 min Scan# 314
Delta R.T. 0.02 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:112 Resp: 1385157

Ion	Ratio	Lower	Upper
112	100		
64	47.2	55.8	83.6#
63	23.6	28.0	42.0#

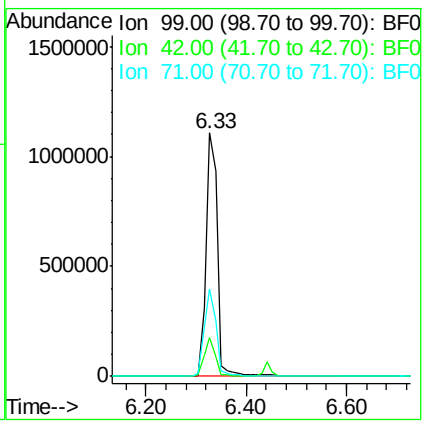




#7
Phenol-d6
Concen: 117.10 ng
RT: 6.33 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion: 99 Resp: 1738212

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.9	20.9
71	35.9	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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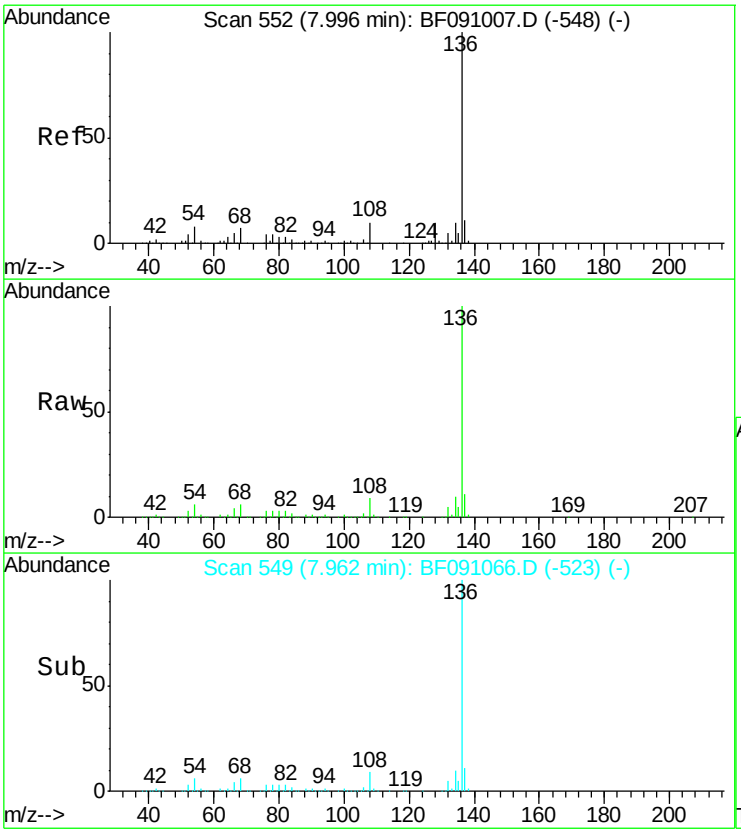
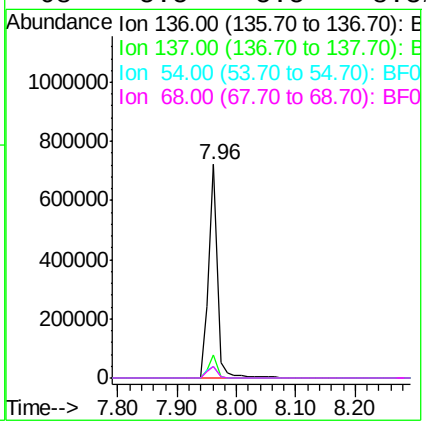
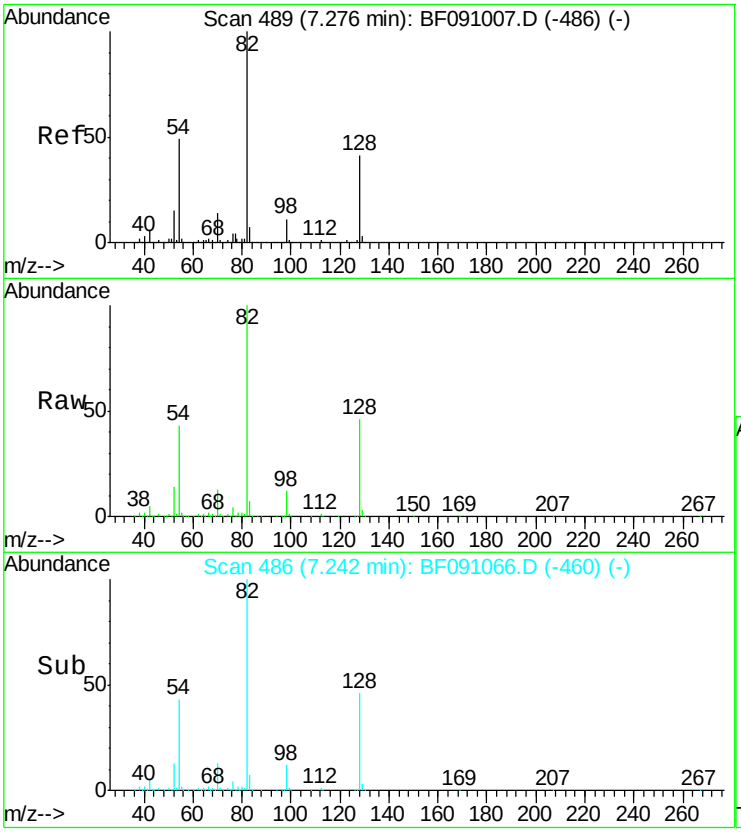


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:136 Resp: 740499

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.7	6.2	9.2#
68	5.5	5.5	8.3#

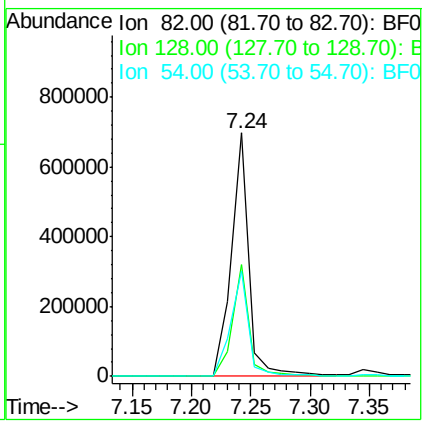




#23
Nitrobenzene-d5
Concen: 53.11 ng
RT: 7.24 min Scan# 486
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion: 82 Resp: 720965

Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.4	48.6
54	43.1	39.2	58.8



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

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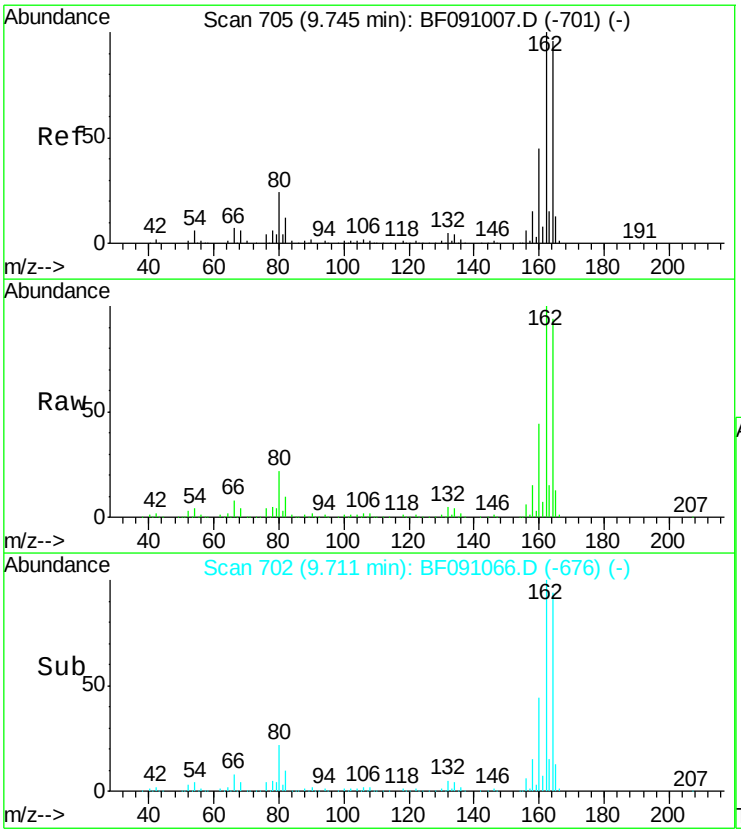
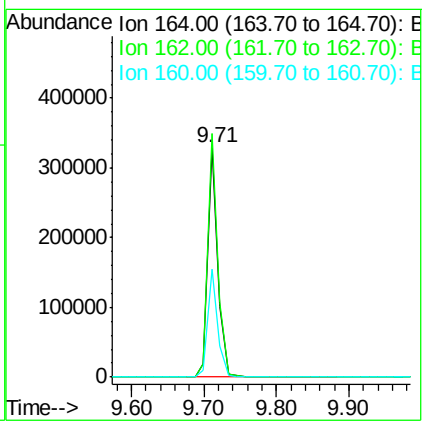
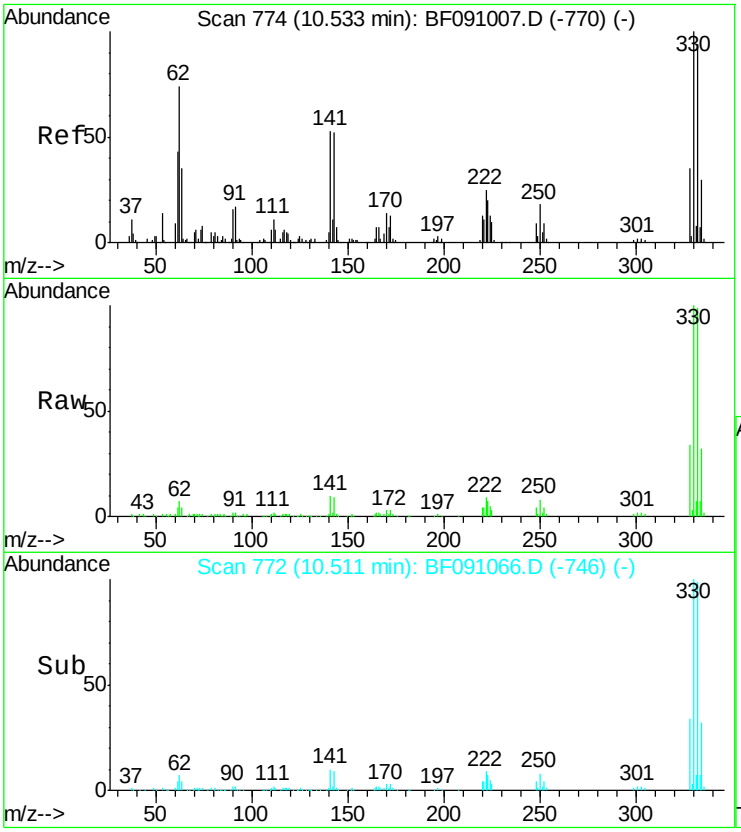


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:164 Resp: 316515

Ion	Ratio	Lower	Upper
164	100		
162	106.1	83.6	125.4
160	47.1	37.9	56.9

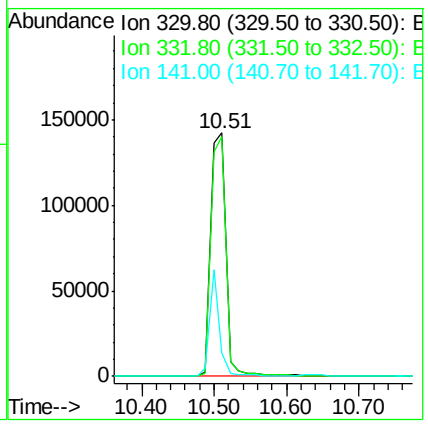




#41
2,4,6-Tribromophenol
Concen: 72.54 ng
RT: 10.51 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:330 Resp: 207575

Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.9	113.9
141	28.6	36.1	54.1#



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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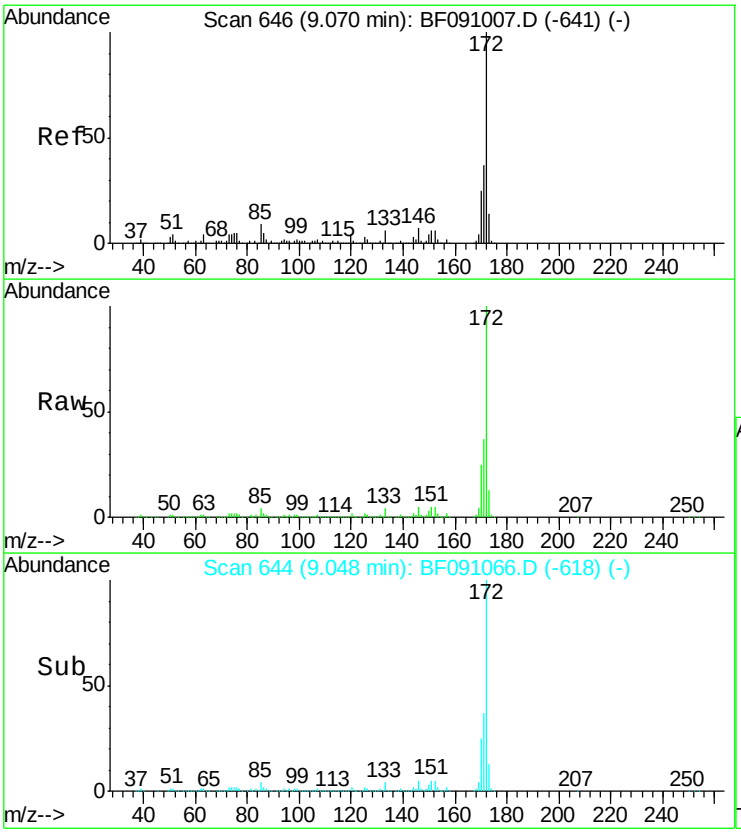
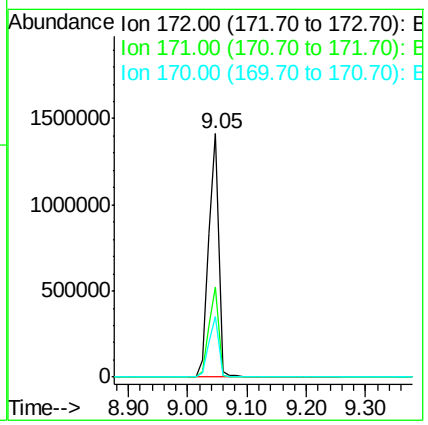
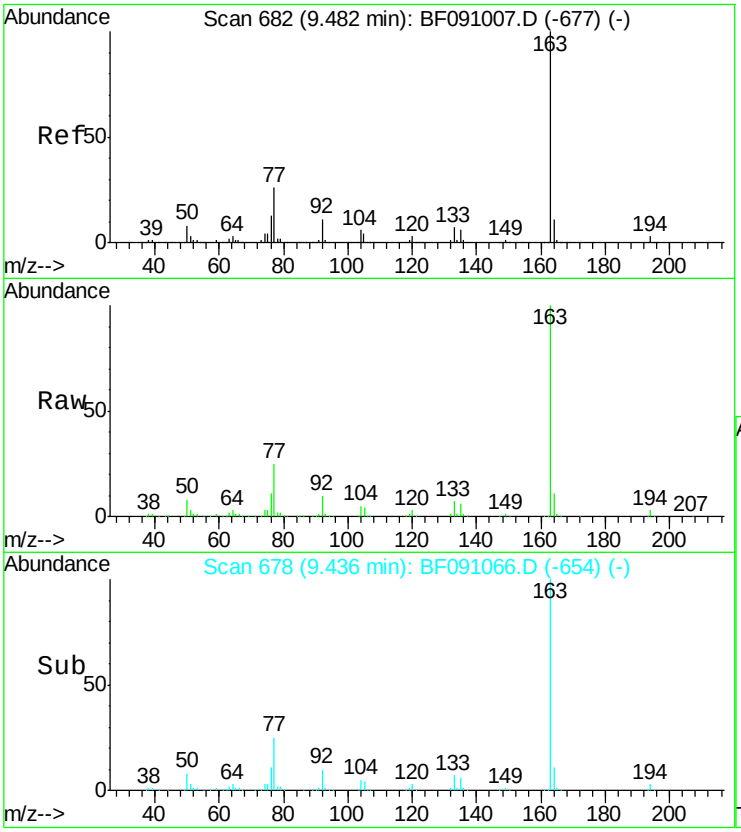


#44
2-Fluorobiphenyl
Concen: 90.42 ng
RT: 9.05 min Scan# 644
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:172 Resp: 1662371

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.6	20.3	30.5

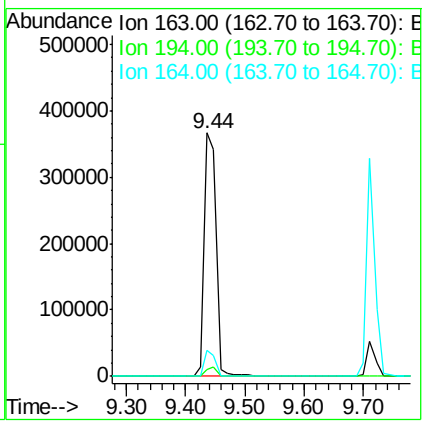




#49
Dimethylphthalate
Concen: 24.92 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:163 Resp: 517149

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.7	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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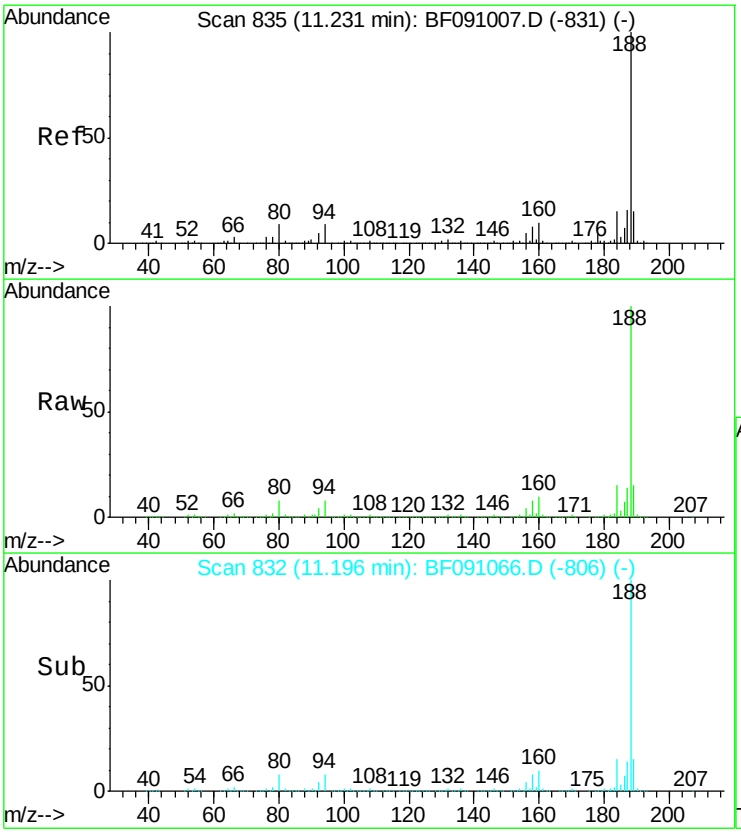
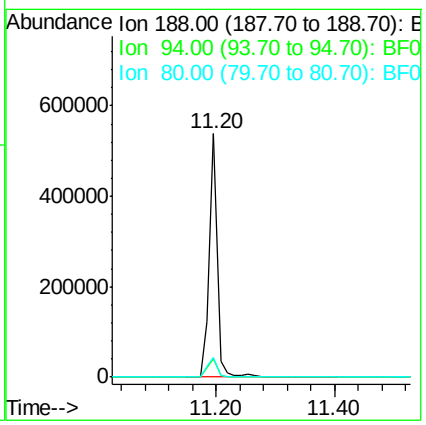
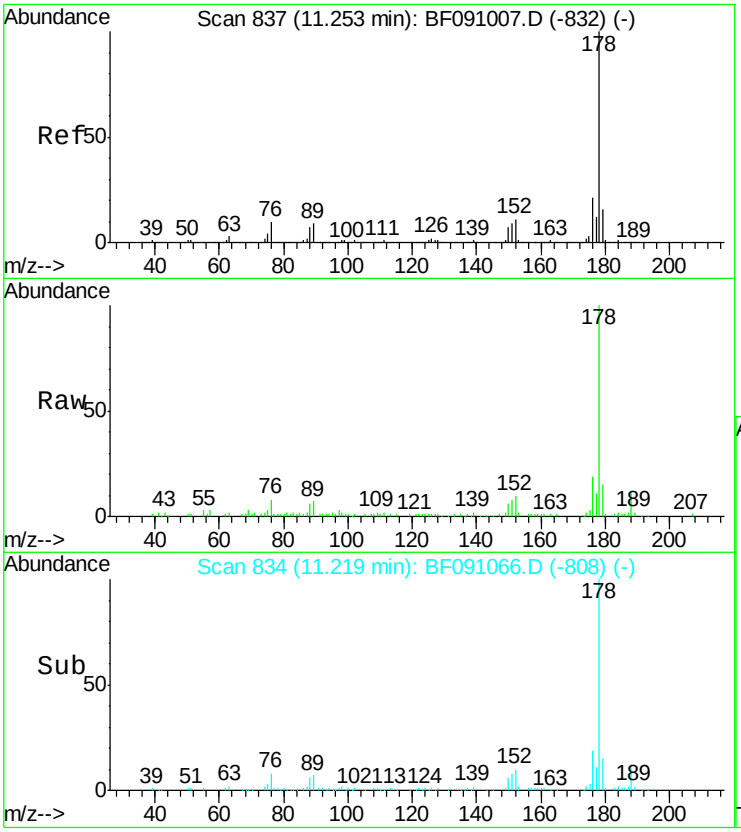


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:188 Resp: 502326

Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.0	10.4
80	8.0	7.5	11.3

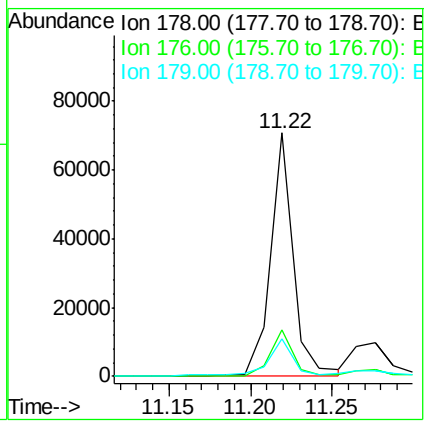




#70
Phenanthrene
Concen: 2.58 ng
RT: 11.22 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:178 Resp: 68799

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	25.0
179	15.4	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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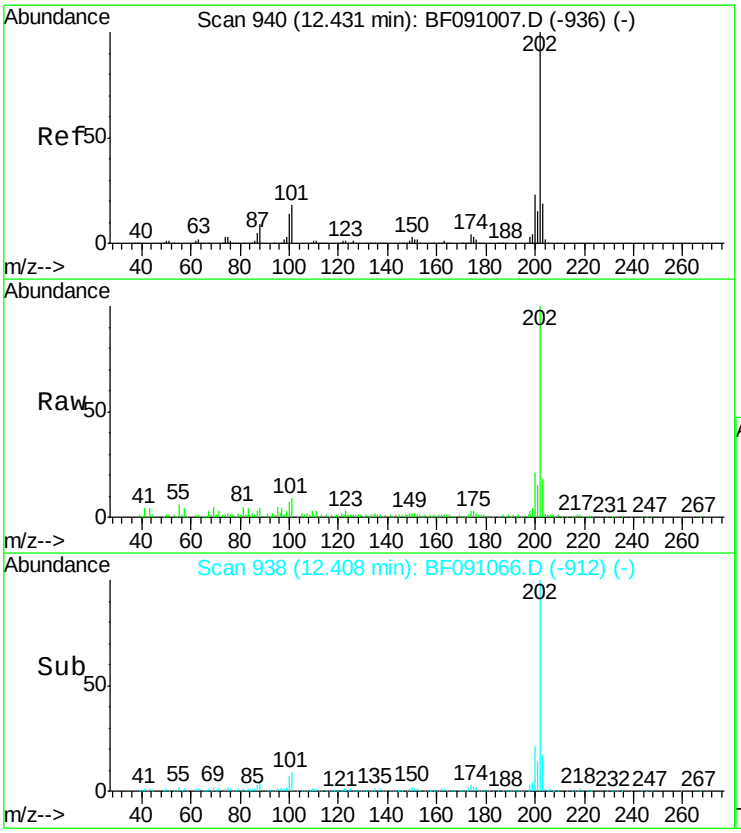
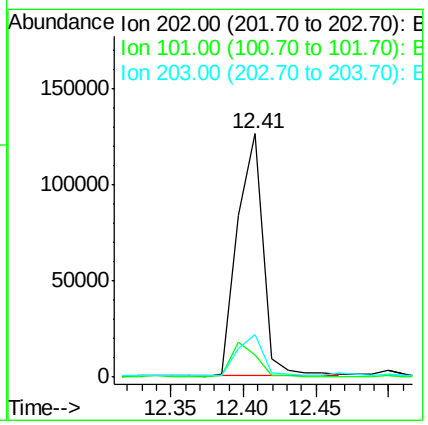
11/8/2016 4:32:16 PM

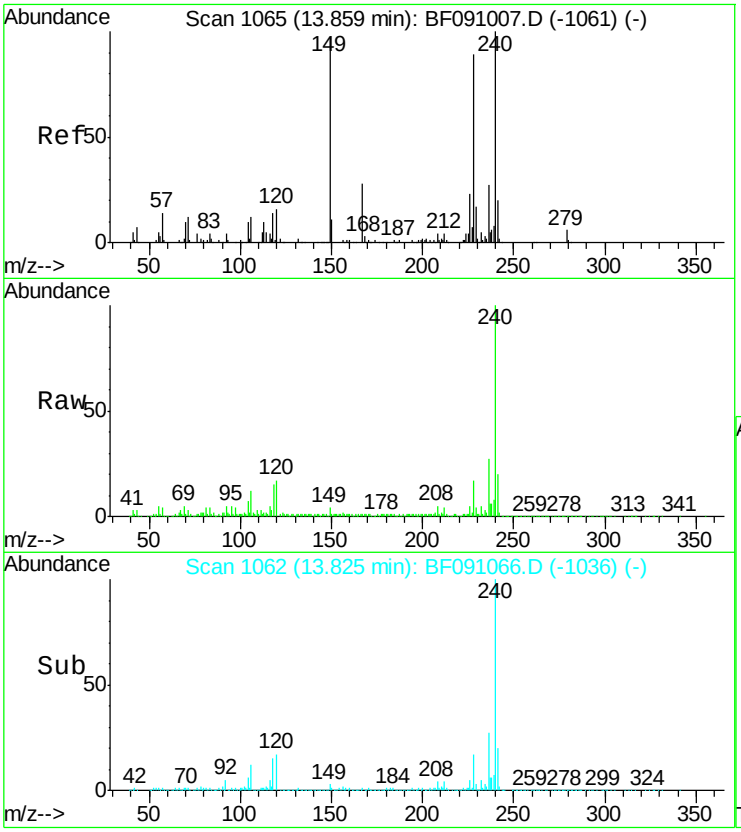


#74
Fluoranthene
Concen: 5.61 ng
RT: 12.41 min Scan# 938
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:202 Resp: 155436

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	37.6
203	17.6	0.0	38.6

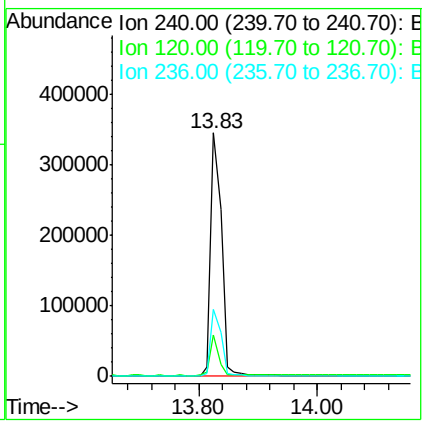




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:240 Resp: 430713

Ion	Ratio	Lower	Upper
240	100		
120	17.2	12.9	19.3
236	27.3	21.9	32.9



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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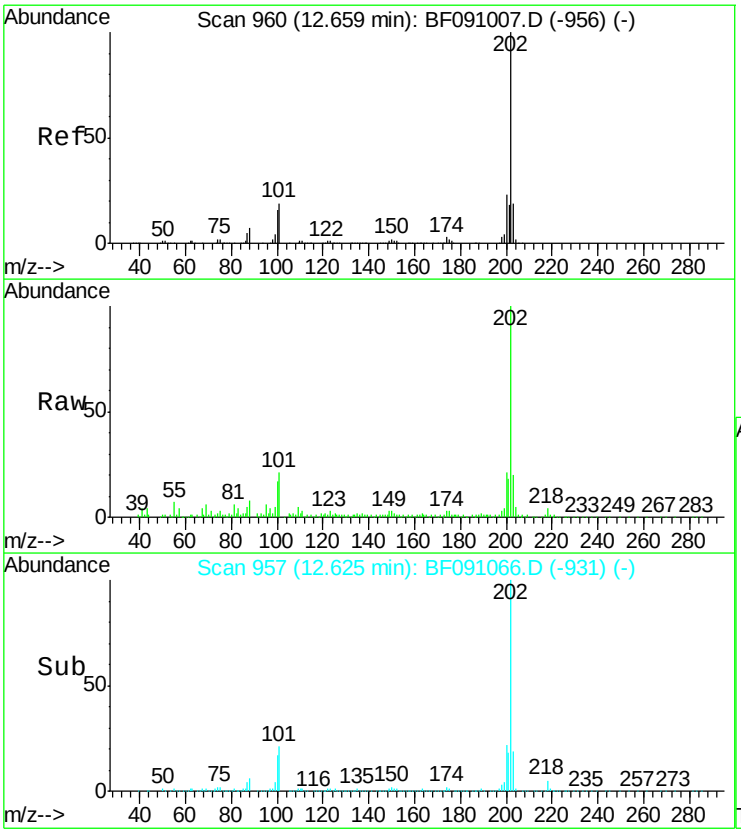
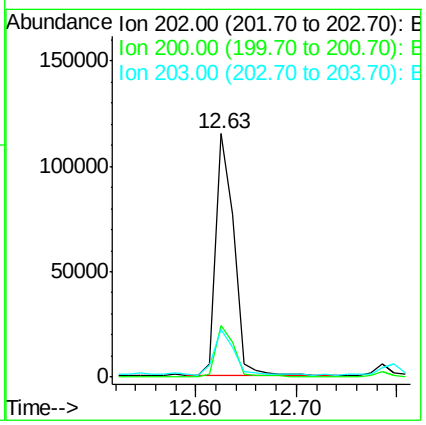
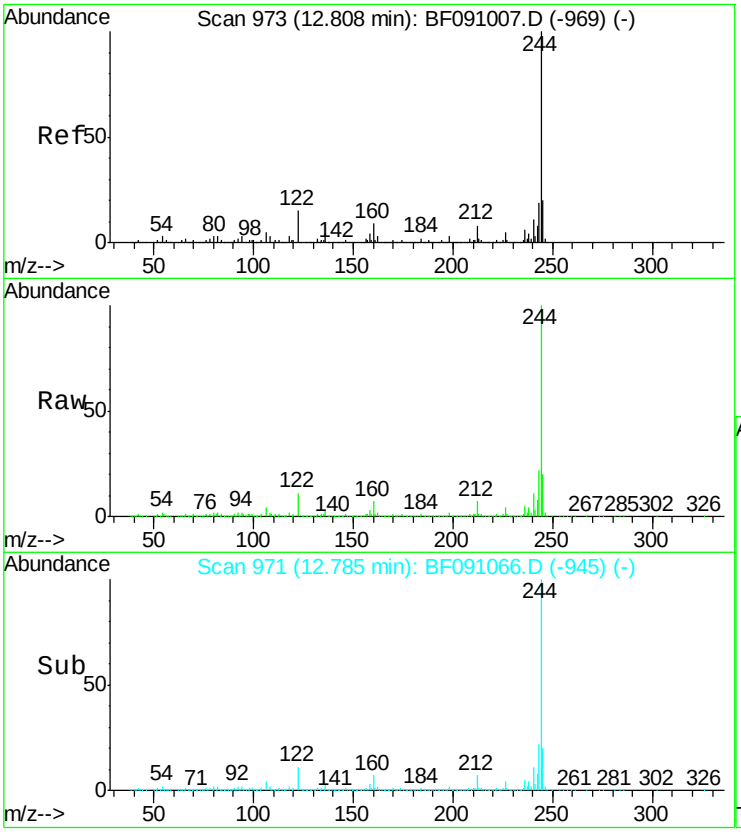


#77
Pyrene
Concen: 5.06 ng
RT: 12.63 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:202 Resp: 142606

Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.4	27.6
203	19.8	15.0	22.6

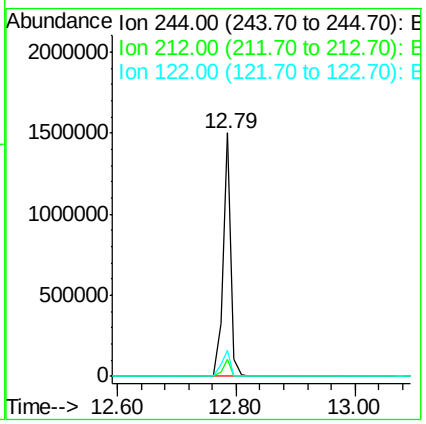




#78
Terphenyl-d14
Concen: 78.45 ng
RT: 12.79 min Scan# 971
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:244 Resp: 1354060

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	10.6	12.3	18.5#



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

Manual Integrations APPROVED
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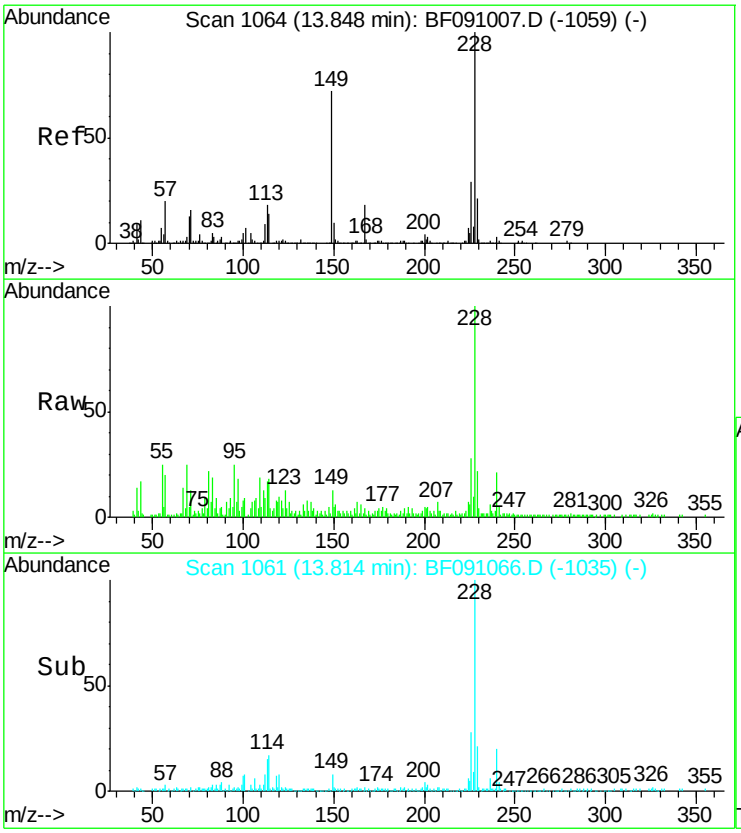
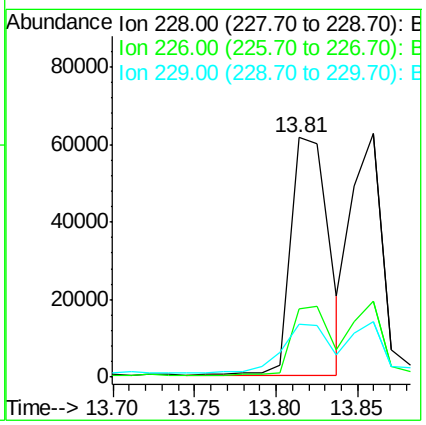
11/8/2016 4:32:16 PM

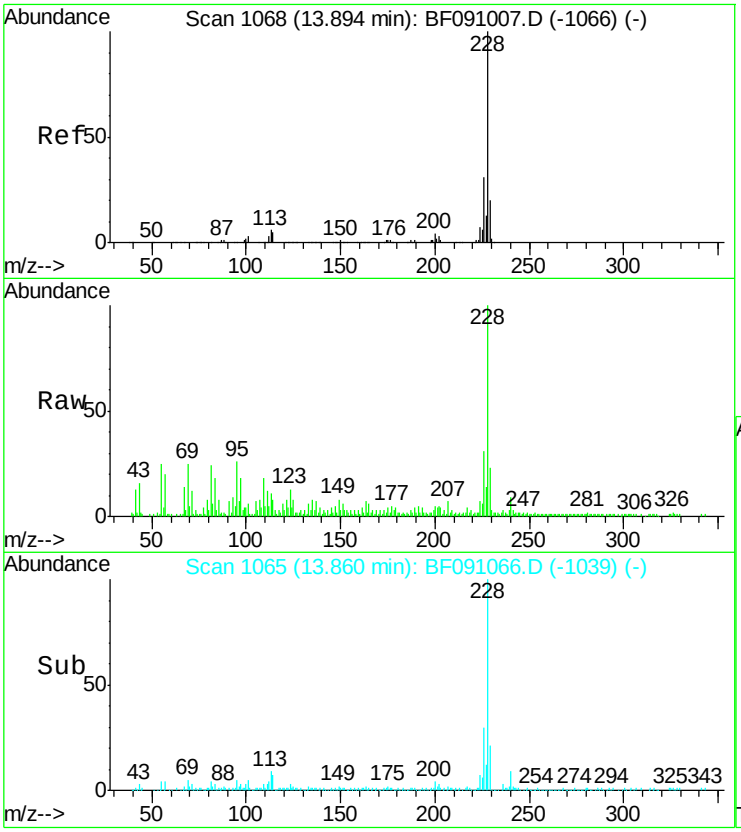


#80
Benzo(a)anthracene
Concen: 4.06 ng
RT: 13.81 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:228 Resp: 99382

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.0	34.6
229	22.1	16.6	24.8

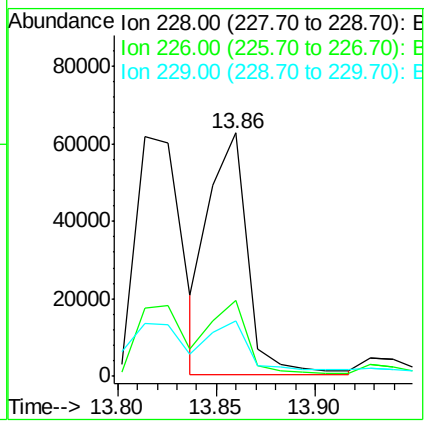




#82
Chrysene
Concen: 3.53 ng m
RT: 13.86 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:228 Resp: 85179

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	22.6	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

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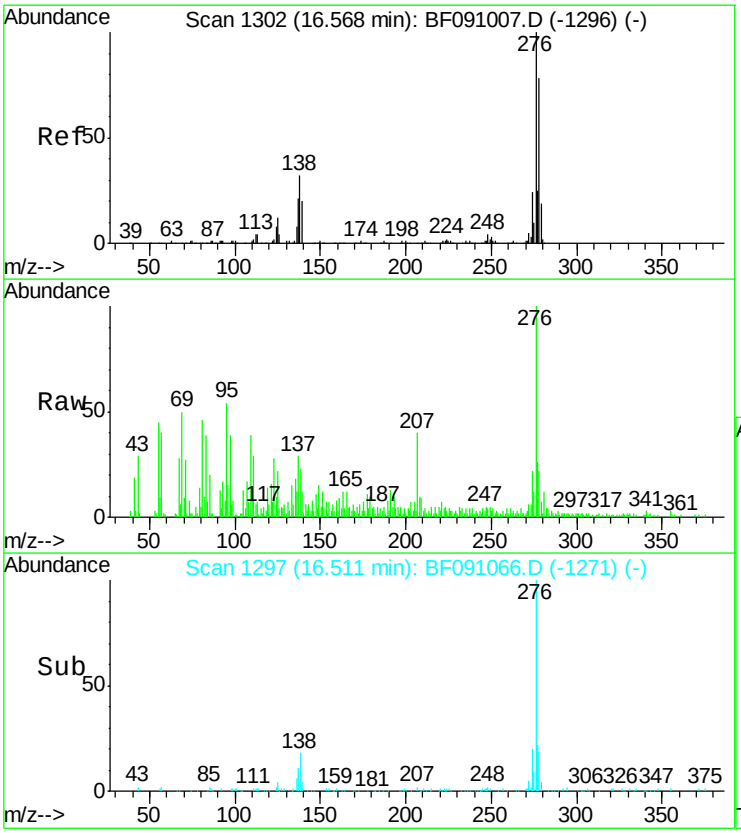
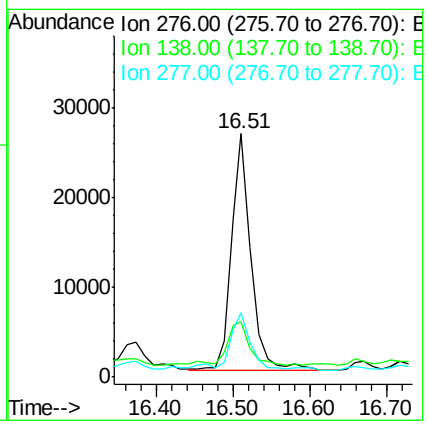
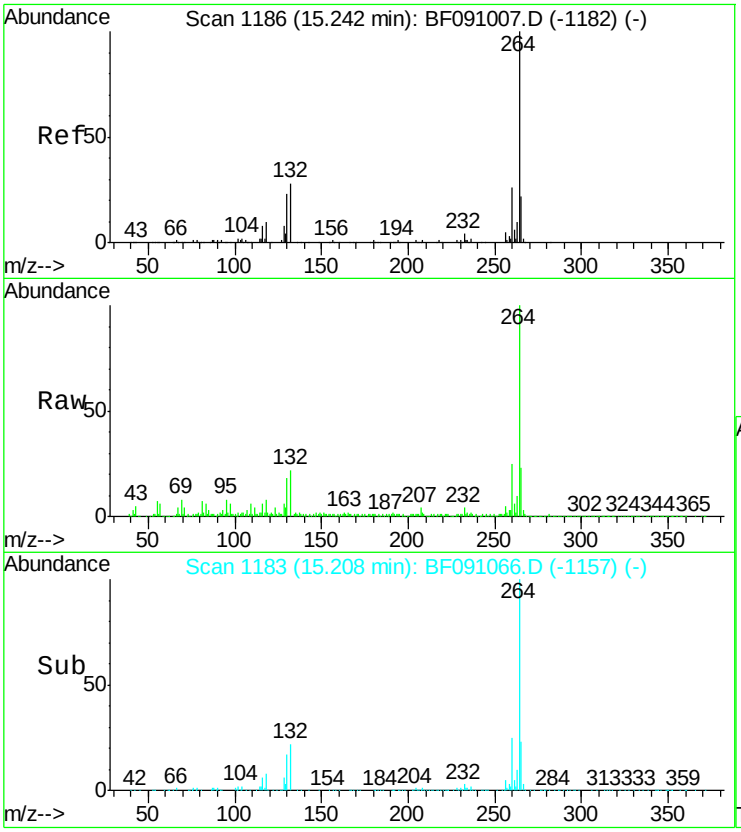


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.37 ng
RT: 16.51 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:276 Resp: 47495

Ion	Ratio	Lower	Upper
276	100		
138	20.9	26.0	39.0#
277	25.8	20.1	30.1





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:264 Resp: 376862

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.6	30.8
265	23.0	17.8	26.8

Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

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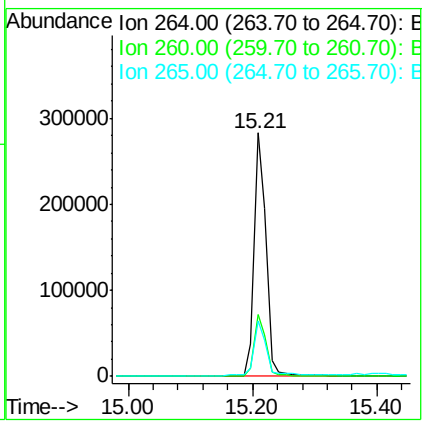
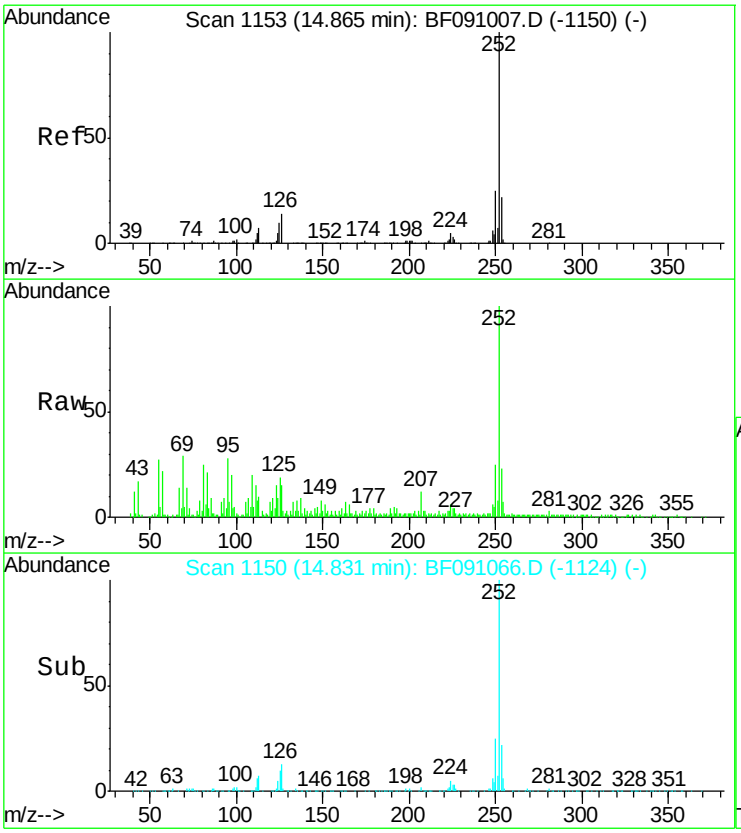
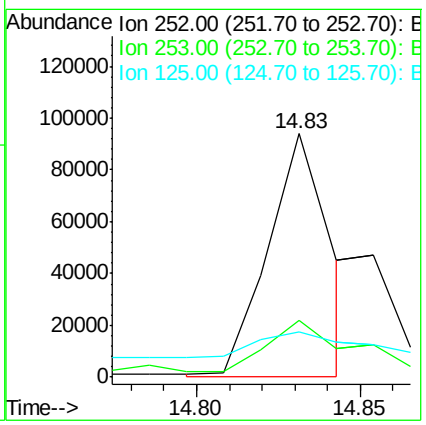


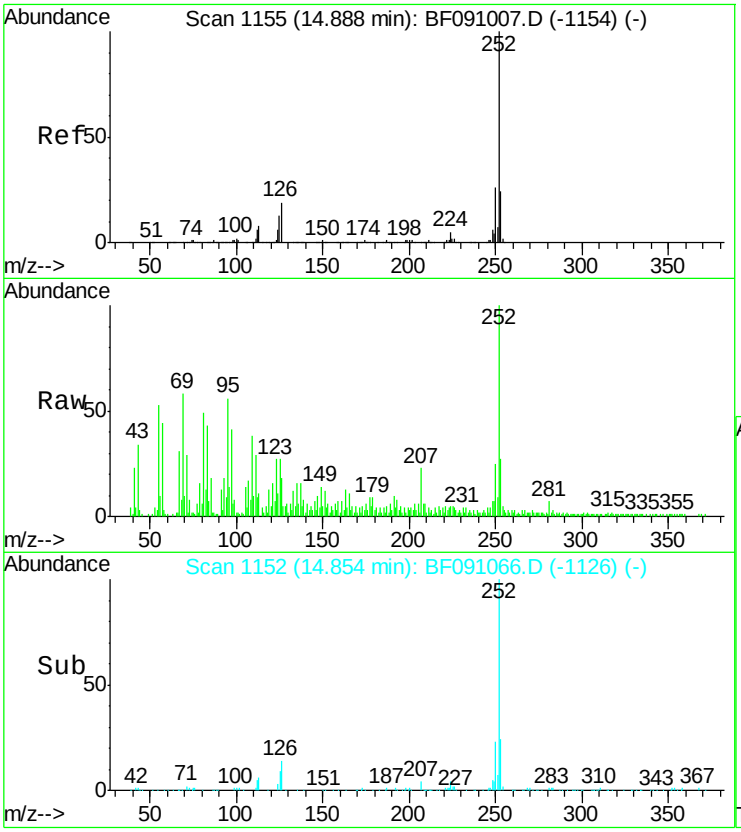


#87
Benzo(b)fluoranthene
Concen: 4.83 ng m
RT: 14.83 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:252 Resp: 123506

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	18.8	8.3	12.5#





#88
Benzo(k)fluoranthene
Concen: 2.03 ng m
RT: 14.85 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:252 Resp: 45434

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.6	28.0
125	26.8	11.2	16.8#

Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

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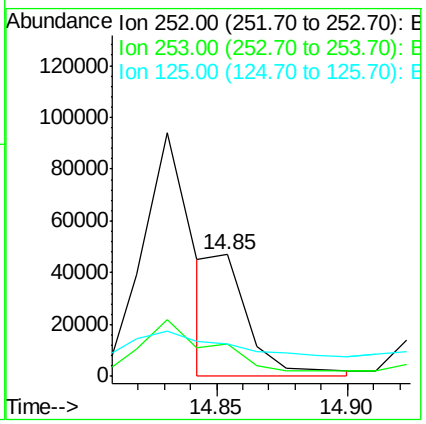
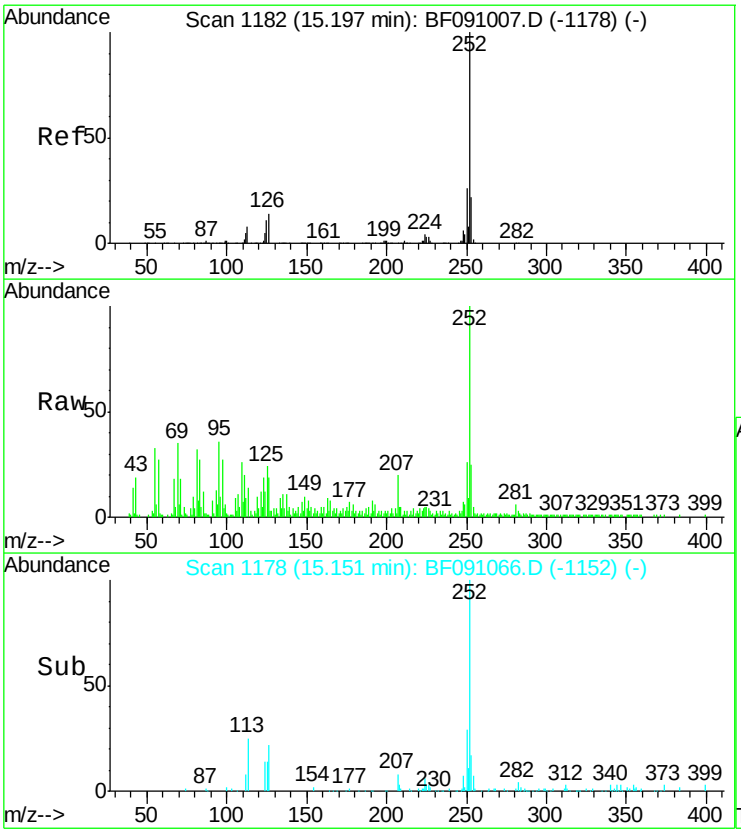
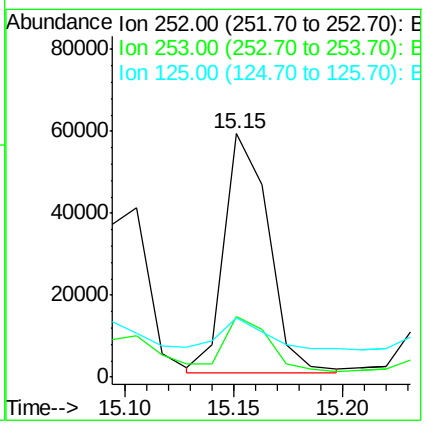


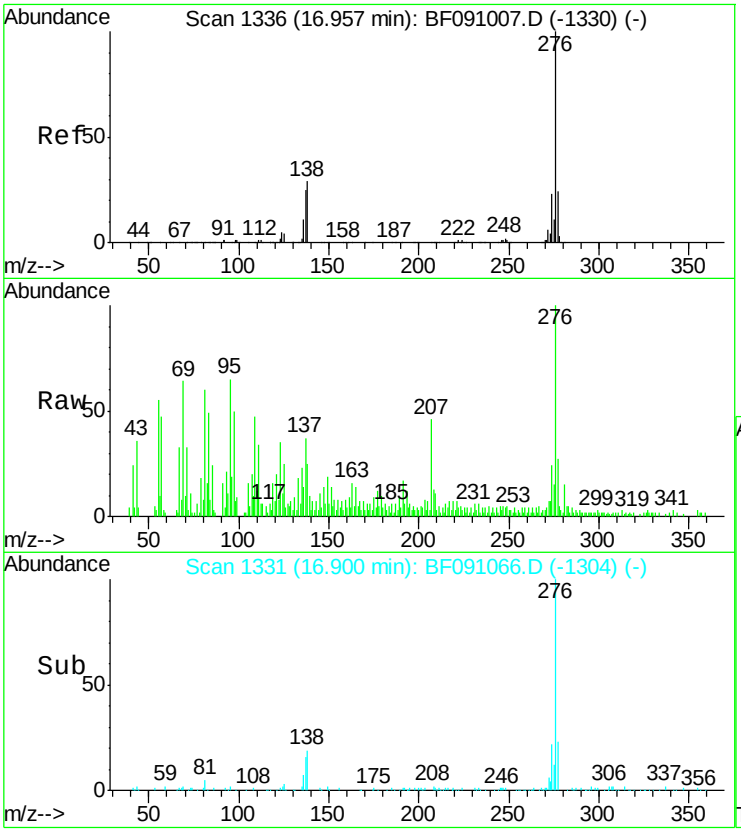


#89
Benzo(a)pyrene
Concen: 3.73 ng
RT: 15.15 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:252 Resp: 83078

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	24.2	8.6	13.0#

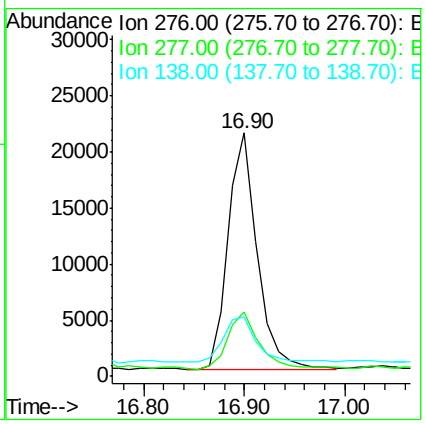




#91
Benzo(g,h,i)perylene
Concen: 2.47 ng
RT: 16.90 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF091066.D
Acq: 7 Nov 2016 19:55

Tgt Ion:276 Resp: 42913

Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.2	28.8
138	24.6	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SB-112-0.5-1.0

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