Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097546.D
Acq On : 10 Aug 2017 5:26
Operator : SJ/JU
Sample : I4646-01 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
Sohil
8/10/2017 6:08:07 PM

Quant Time: Aug 10 08:22:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	120404	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	470179	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	207166	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	290170	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	213963	20.00	ng	-0.02
86) Perylene-d12	14.86	264	190966	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	48853	6.12	ng	0.02
7) Phenol-d6	6.09	99	57240	6.28	ng	0.00
23) Nitrobenzene-d5	6.99	82	40178	5.01	ng	0.00
41) 2,4,6-Tribromophenol	10.22	330	9369	5.72	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	68611	5.62	ng	-0.02
78) Terphenyl-d14	12.47	244	33115	3.16	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	10.92	178	136697	8.792	ng	98
71) Anthracene	10.97	178	40872	2.567	ng	97
74) Fluoranthene	12.10	202	135274	8.881	ng	96
77) Pyrene	12.33	202	114267	6.523	ng	97
80) Benzo(a)anthracene	13.51	228	55233	3.990	ng	98
82) Chrysene	13.54	228	46577	3.445	ng	97
87) Benzo(b)fluoranthene	14.52	252	54669m	4.762	ng	
88) Benzo(k)fluoranthene	14.53	252	22084m	2.019	ng	
89) Benzo(a)pyrene	14.81	252	41915	3.990	ng	99

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

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Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
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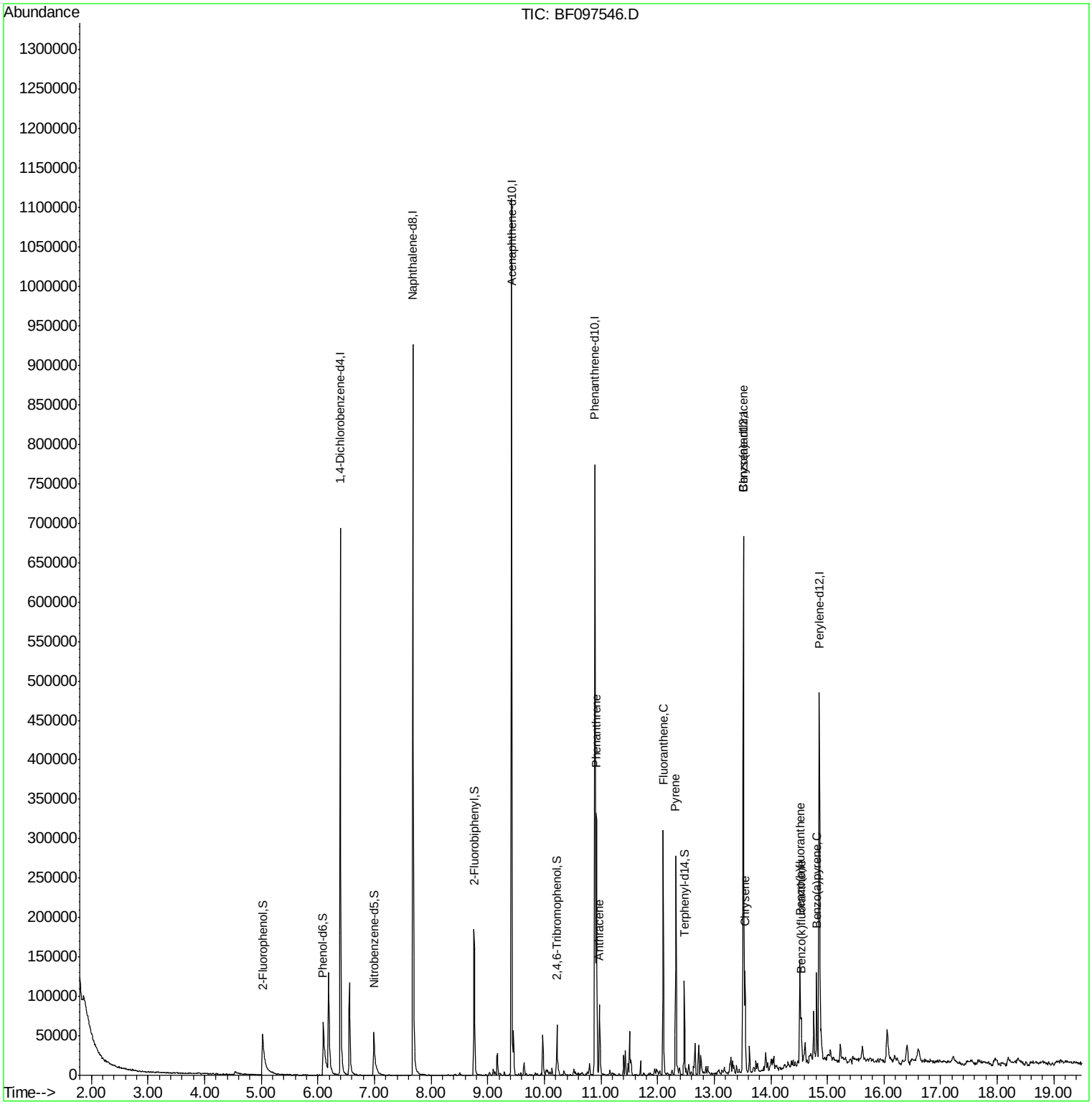
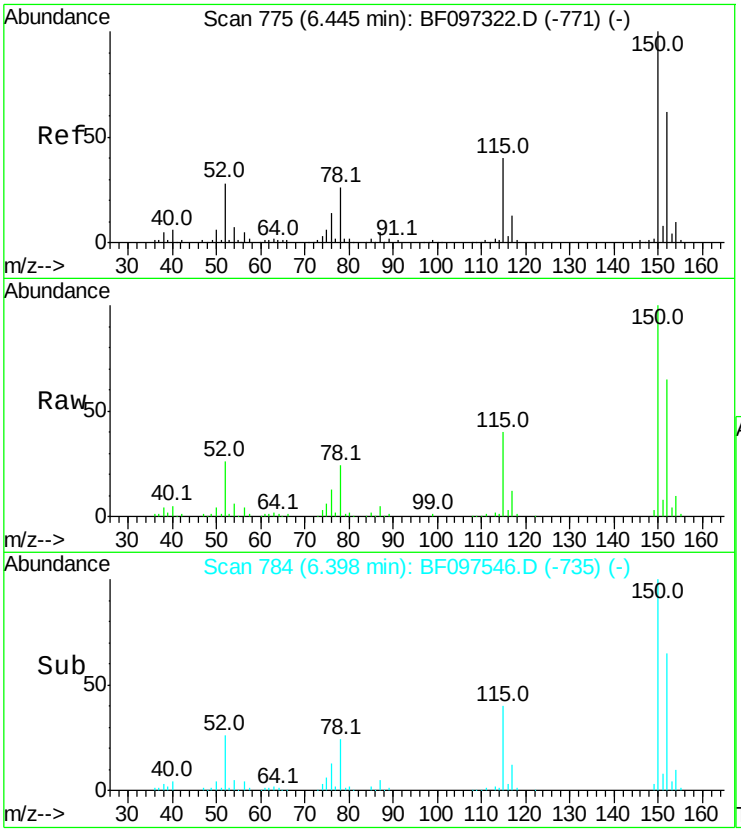
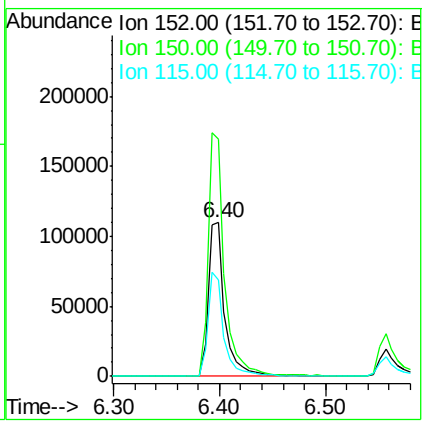




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:152 Resp: 120404

Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.2	189.2
115	62.2	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

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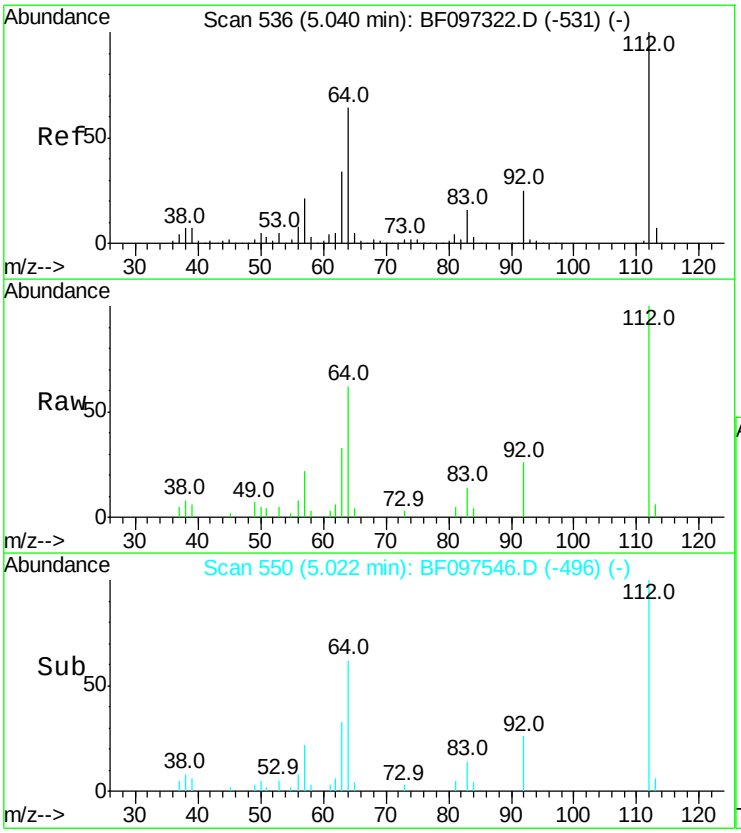
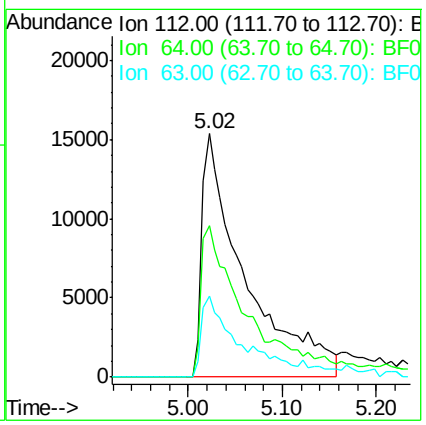
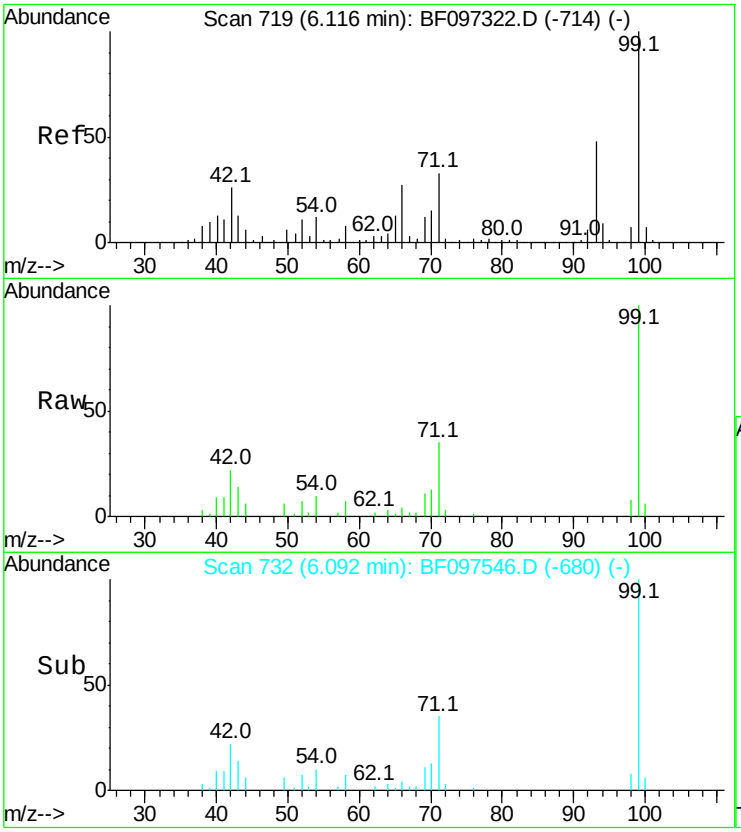


#5
2-Fluorophenol
Concen: 6.117 ng
RT: 5.02 min Scan# 550
Delta R.T. 0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:112 Resp: 48853

Ion	Ratio	Lower	Upper
112	100		
64	62.0	46.0	69.0
63	33.1	23.4	35.0





#7
Phenol-d6
Concen: 6.278 ng
RT: 6.09 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion: 99 Resp: 57240

Ion	Ratio	Lower	Upper
99	100		
42	21.8	13.5	20.3#
71	35.2	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

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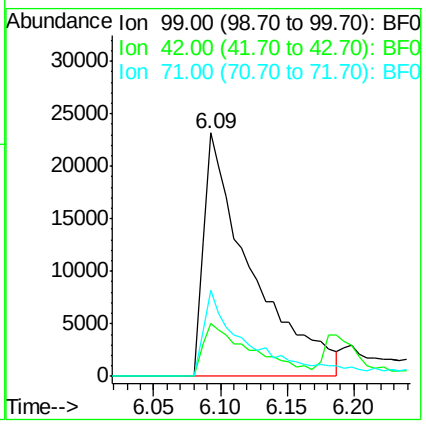
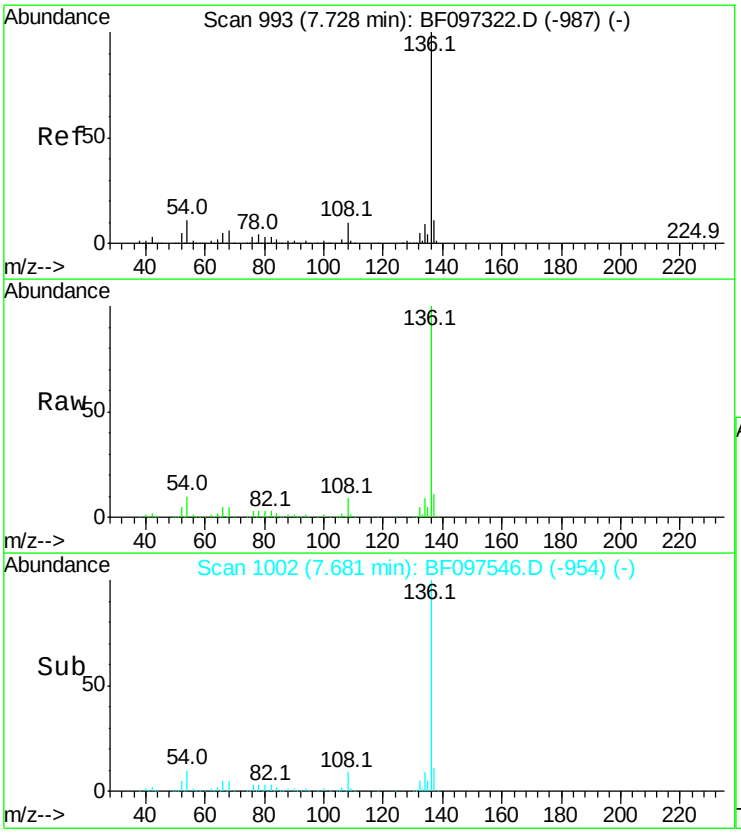
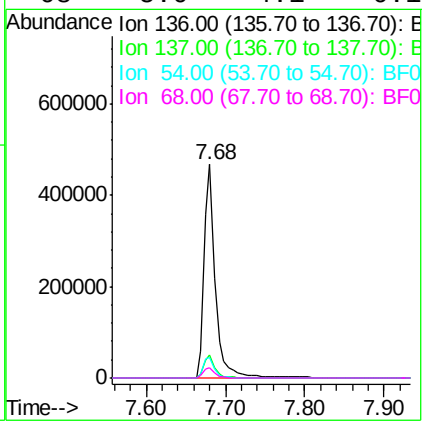


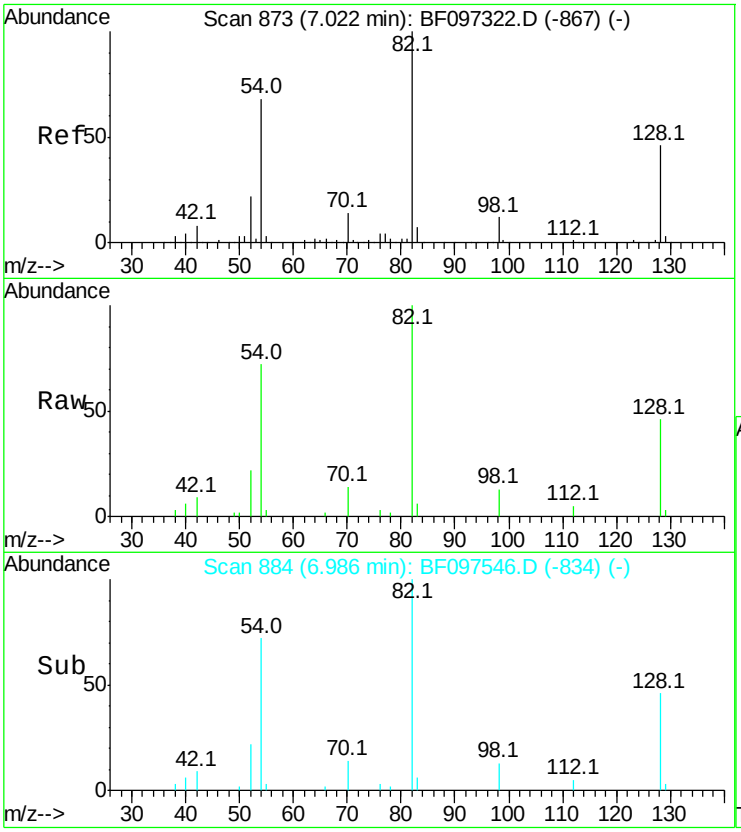


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:136 Resp: 470179

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.9	4.9	7.3#
68	5.0	4.1	6.1

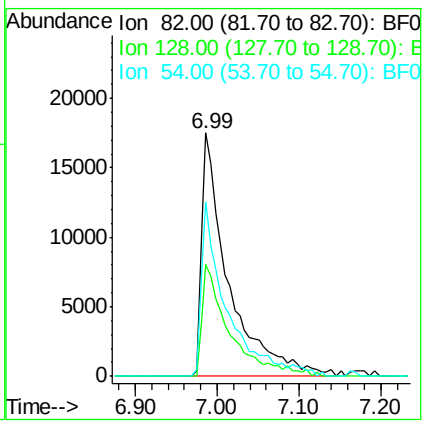




#23
Nitrobenzene-d5
Concen: 5.013 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion: 82 Resp: 40178

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	71.9	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

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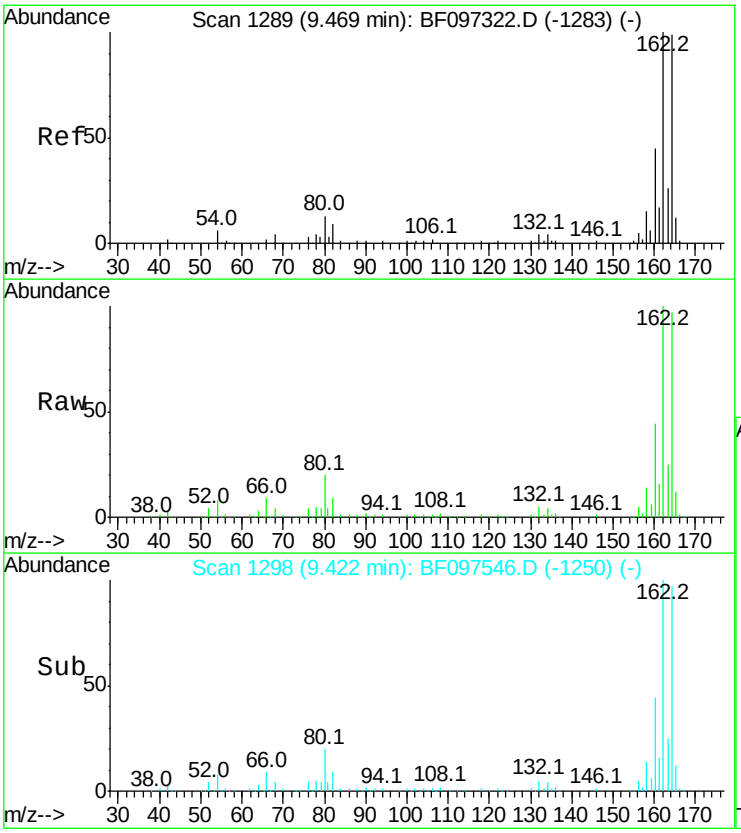
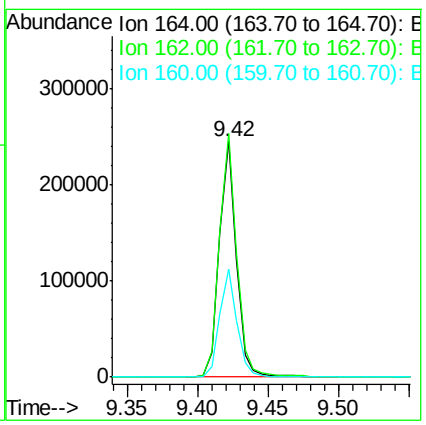
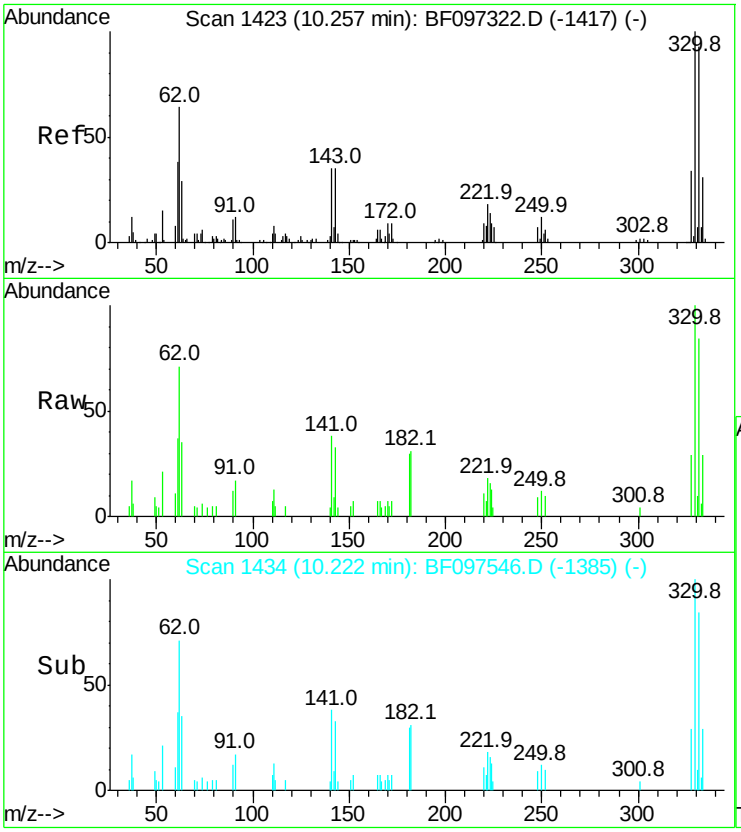


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:164 Resp: 207166

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.8	36.2	54.2

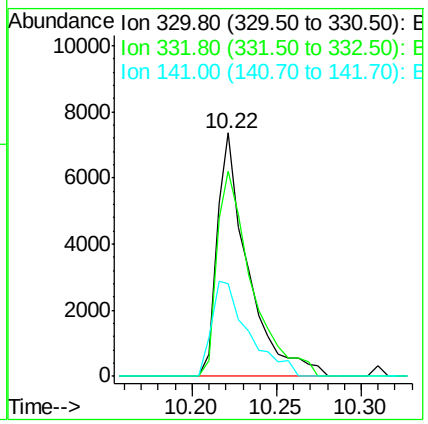




#41
2,4,6-Tribromophenol
Concen: 5.724 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:330 Resp: 9369

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	46.6	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

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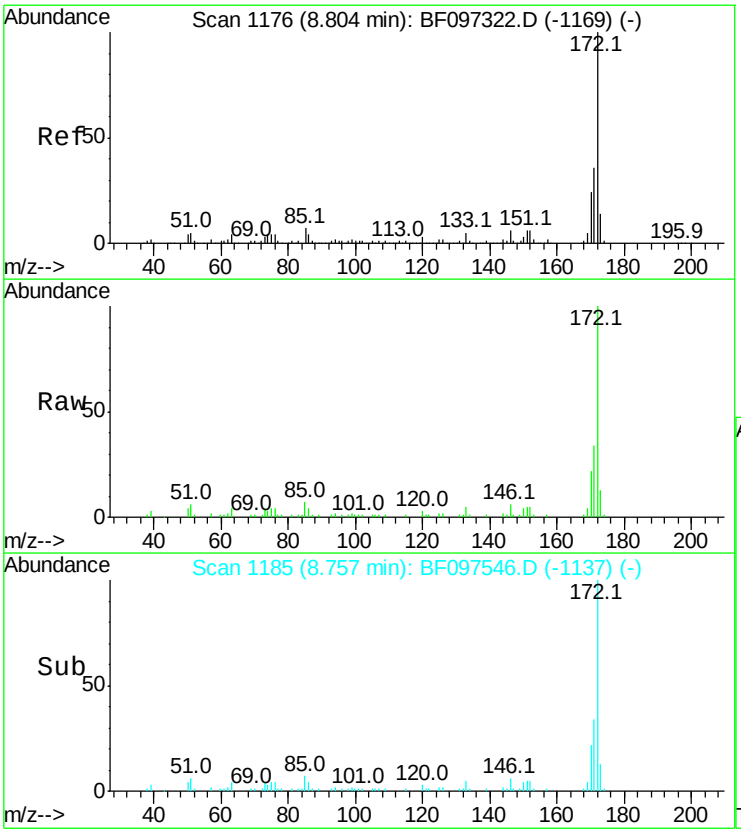
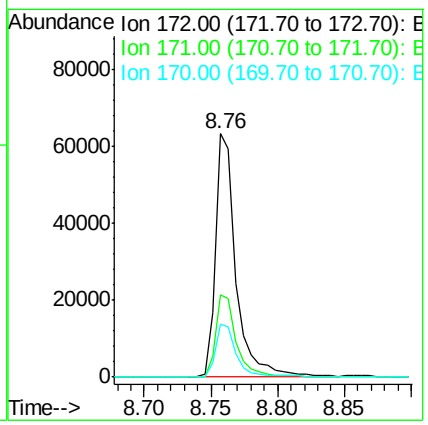
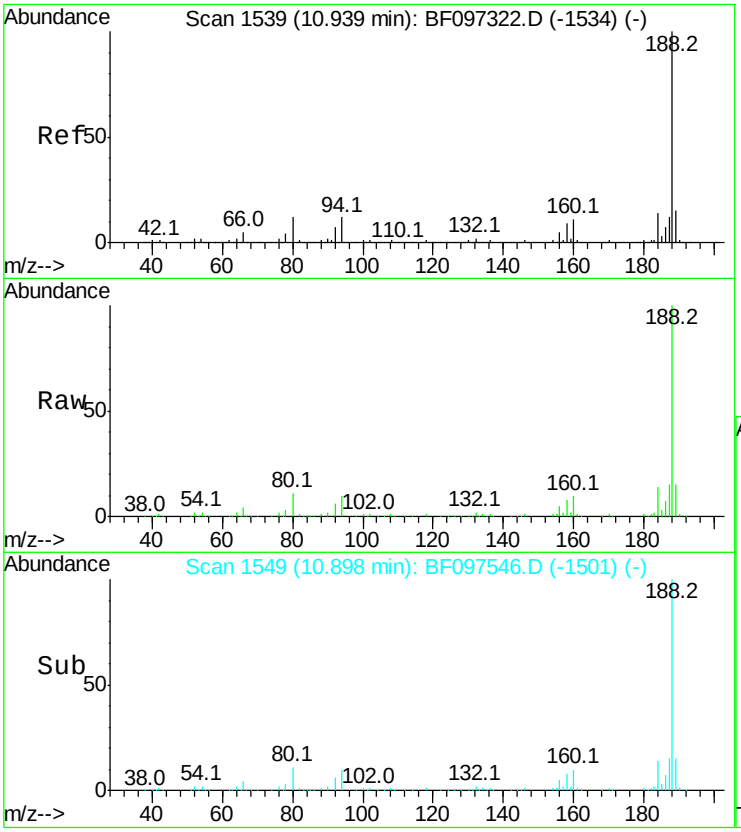


#44
2-Fluorobiphenyl
Concen: 5.621 ng
RT: 8.76 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:172 Resp: 68611

Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.6	44.4
170	21.9	19.8	29.8

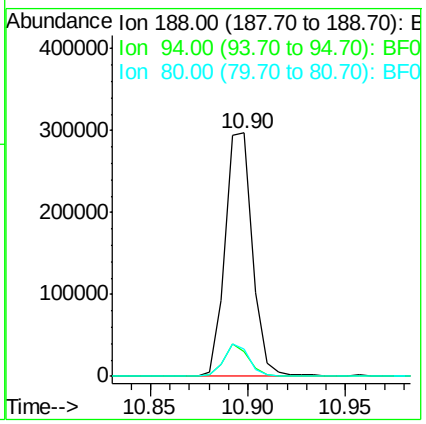




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:188 Resp: 290170

Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.1	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

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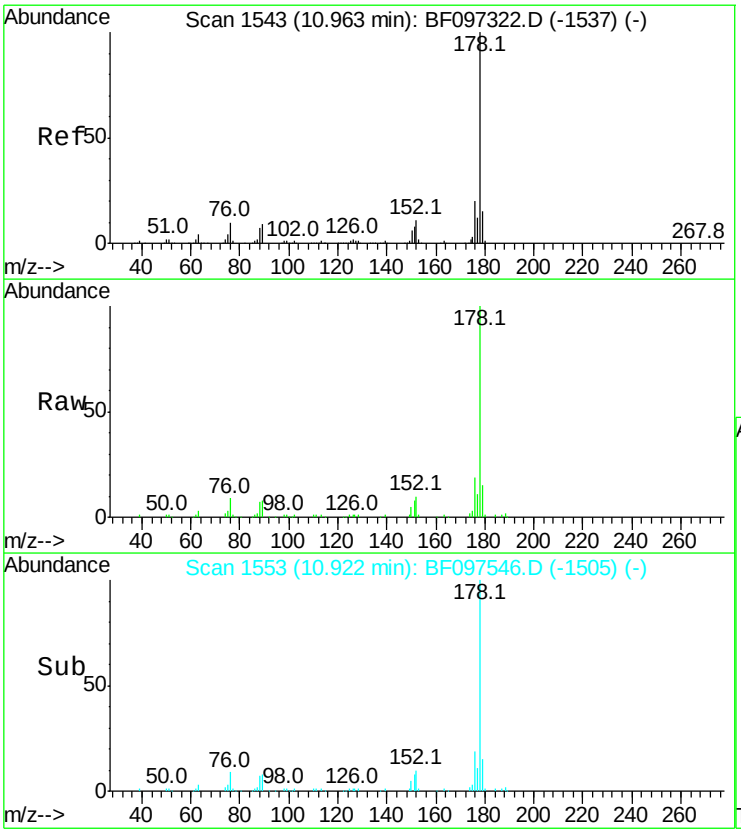
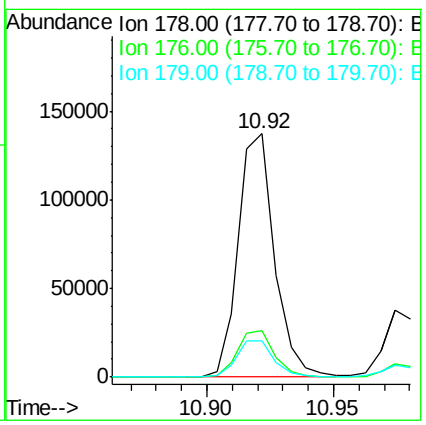
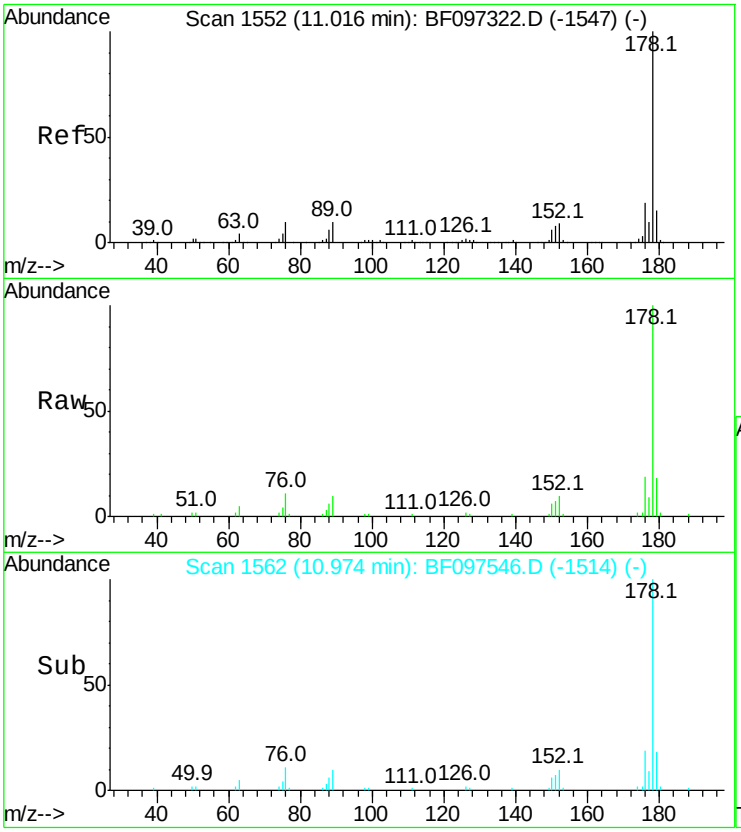


#70
Phenanthrene
Concen: 8.792 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:178 Resp: 136697

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.0	12.6	19.0

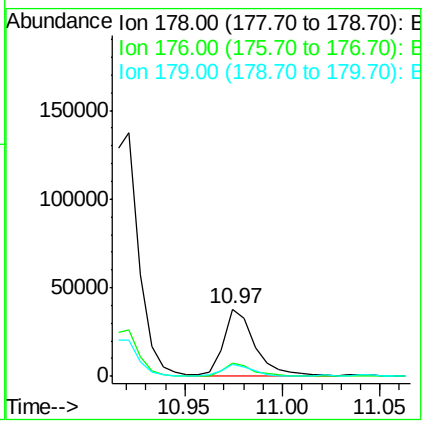




#71
Anthracene
Concen: 2.567 ng
RT: 10.97 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:178 Resp: 40872

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	17.9	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
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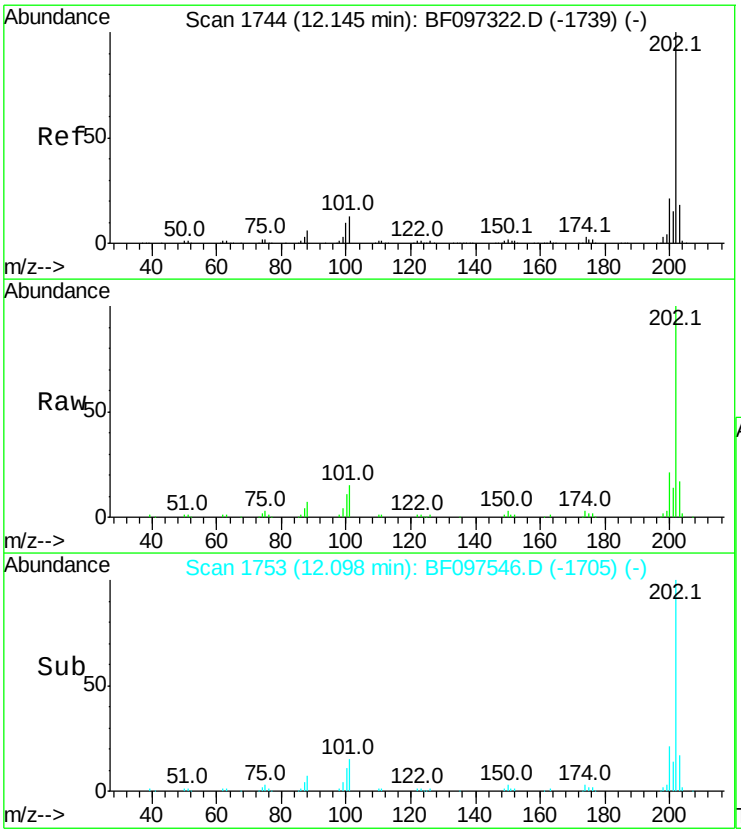
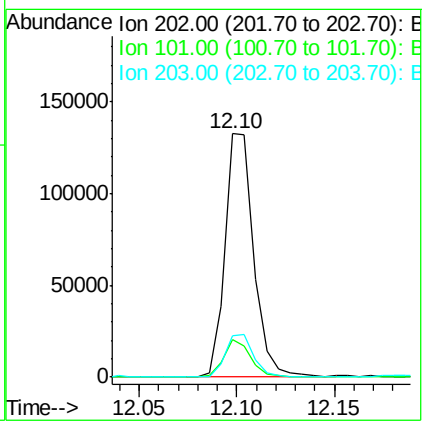
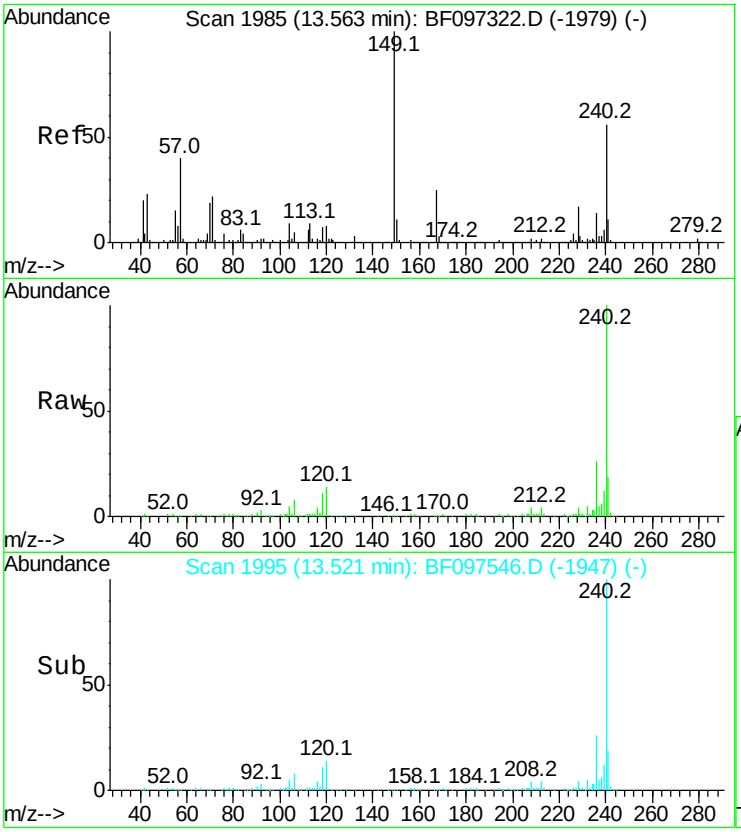


#74
Fluoranthene
Concen: 8.881 ng
RT: 12.10 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:202 Resp: 135274

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	33.2
203	17.0	0.0	38.1

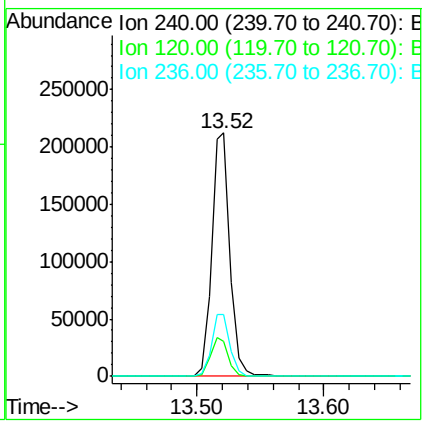




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:240 Resp: 213963

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.5	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
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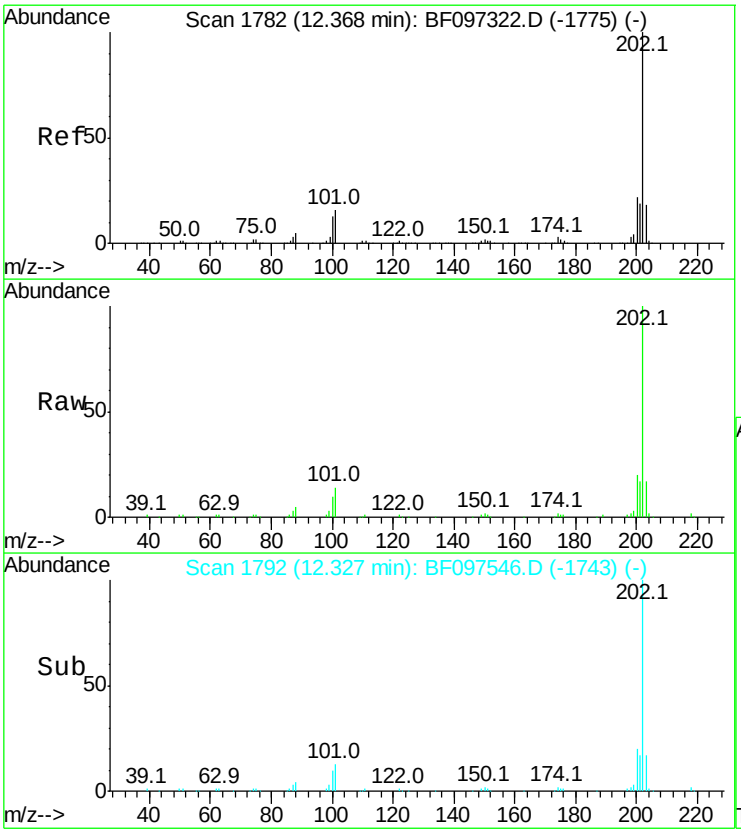
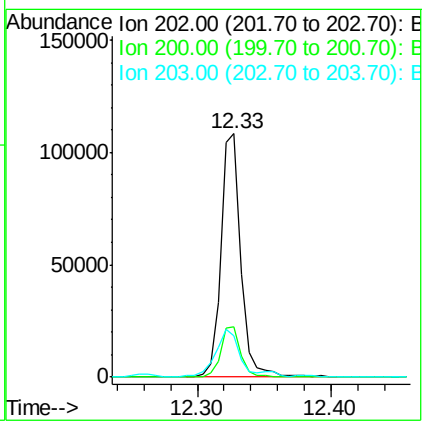
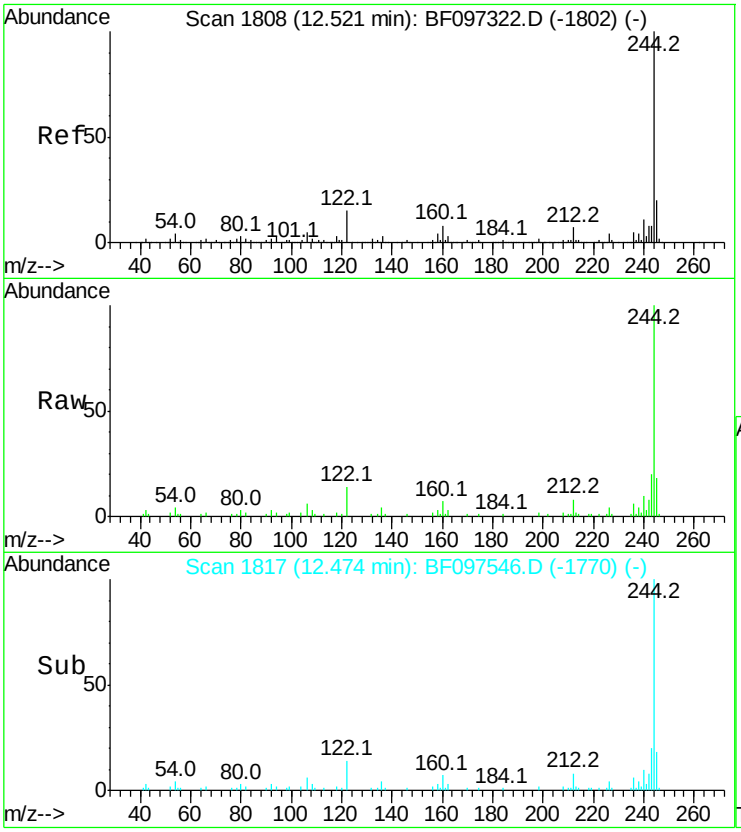


#77
Pyrene
Concen: 6.523 ng
RT: 12.33 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:202 Resp: 114267

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.2	14.4	21.6





#78
Terphenyl-d14
Concen: 3.156 ng
RT: 12.47 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:244 Resp: 33115

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	14.3	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
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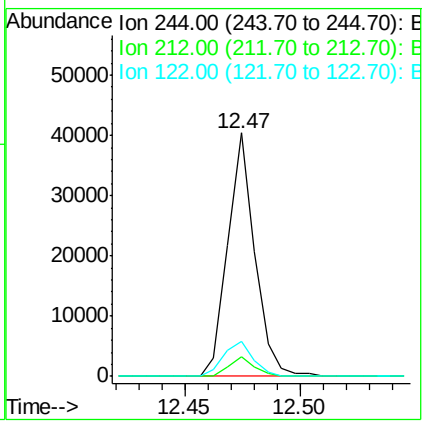
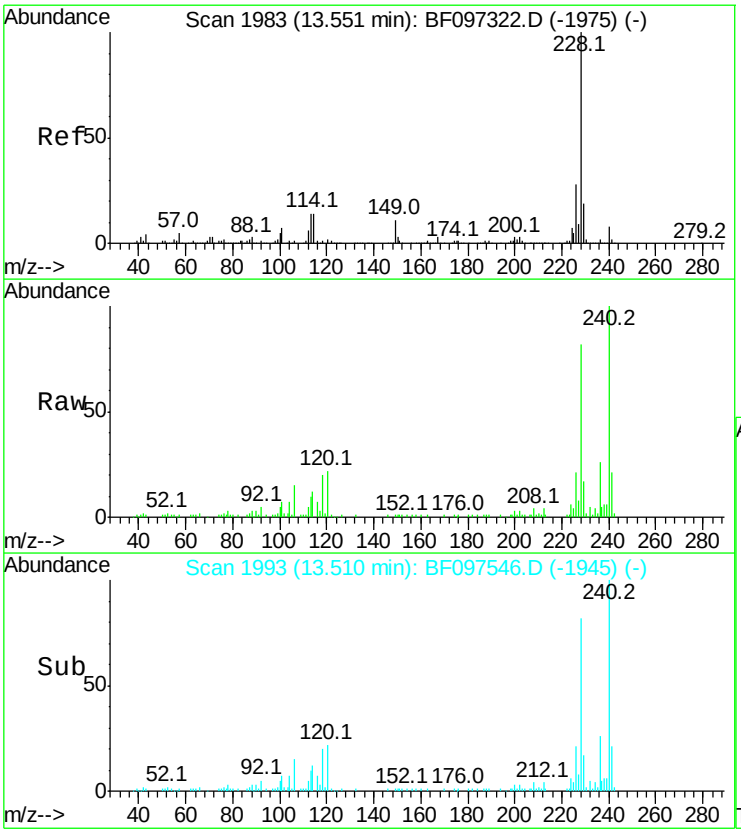
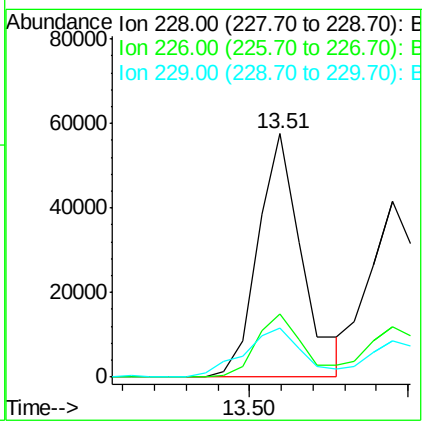


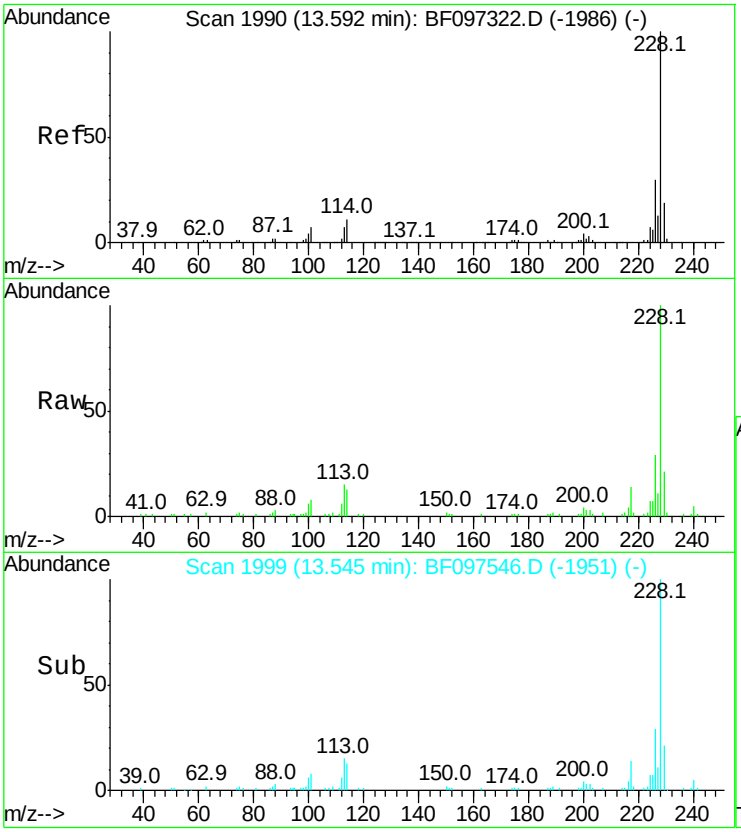


#80
Benzo(a)anthracene
Concen: 3.990 ng
RT: 13.51 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:228 Resp: 55233

Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	20.3	16.3	24.5

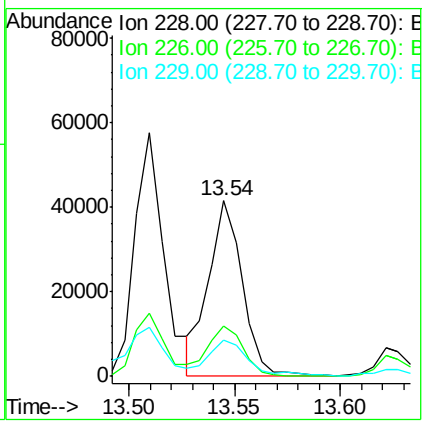




#82
Chrysene
Concen: 3.445 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:228 Resp: 46577

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.9	37.3
229	20.6	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

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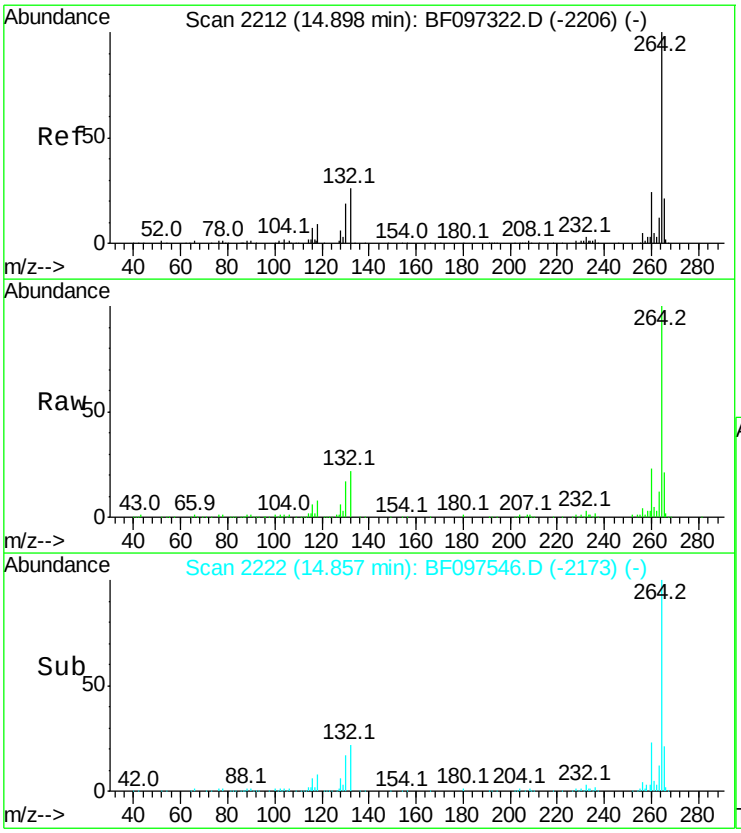
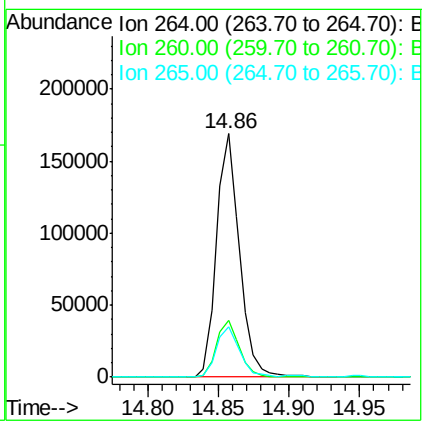
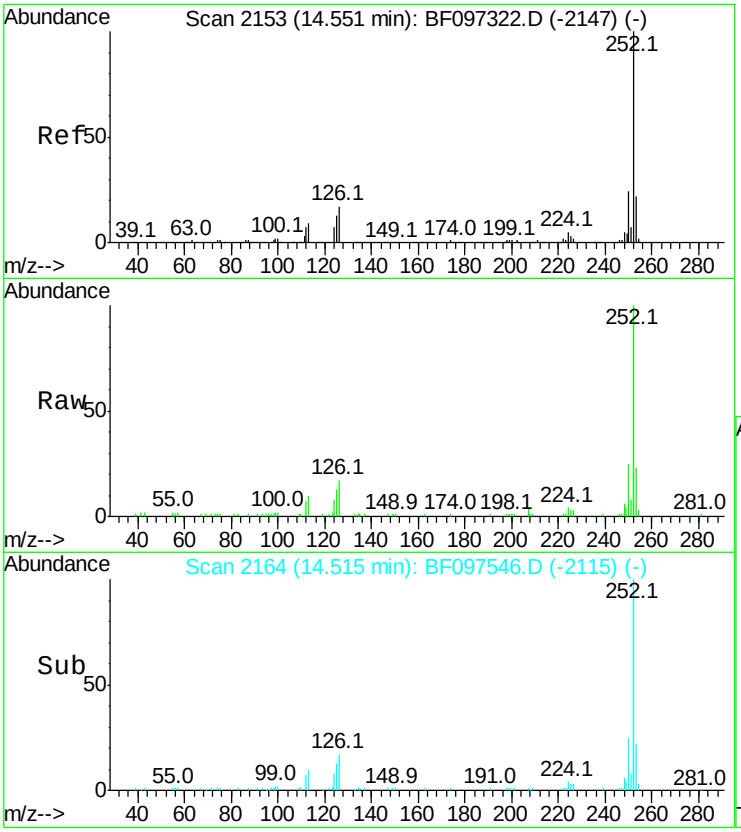


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:264 Resp: 190966

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.7	17.2	25.8

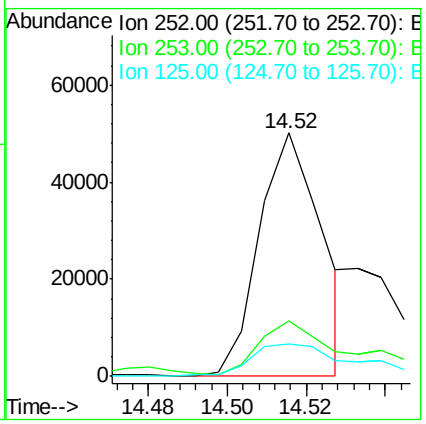




#87
Benzo(b)fluoranthene
Concen: 4.762 ng m
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:252 Resp: 54669

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	13.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
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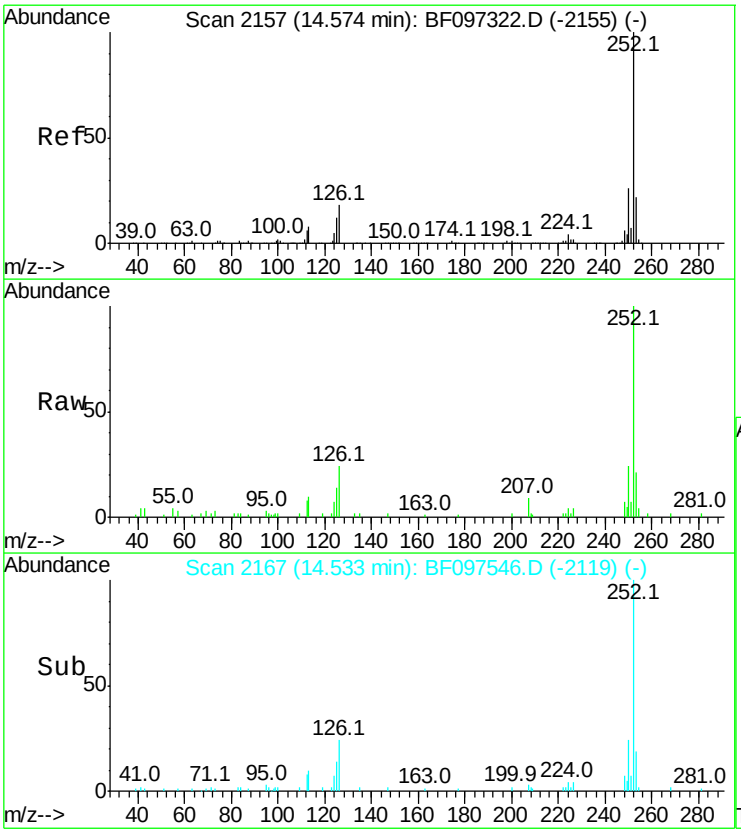
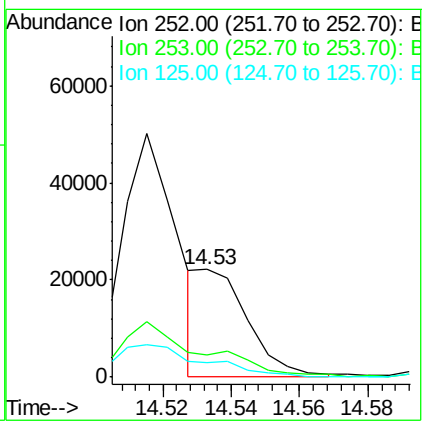
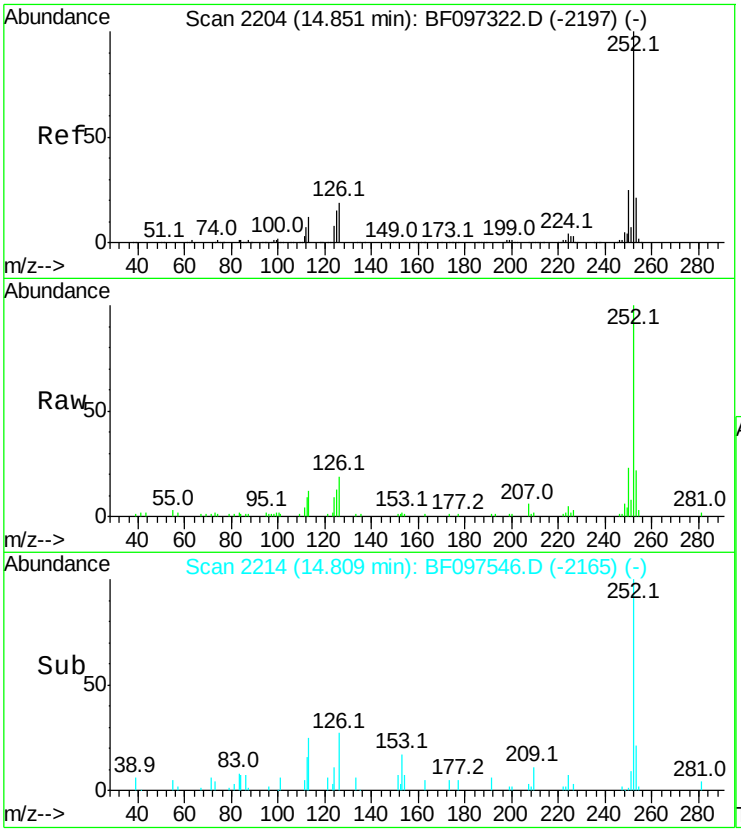


#88
Benzo(k)fluoranthene
Concen: 2.019 ng m
RT: 14.53 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:252 Resp: 22084

Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.4	27.6
125	13.9	13.1	19.7

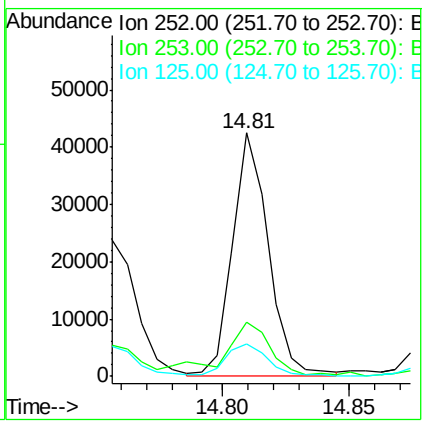




#89
Benzo(a)pyrene
Concen: 3.990 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:252 Resp: 41915

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Manual Integrations APPROVED
Sohil
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