Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097541.D
Acq On : 10 Aug 2017 3:07
Operator : SJ/JU
Sample : I4677-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
Sohil
8/10/2017 6:08:00 PM

Quant Time: Aug 10 07:35:09 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	104647	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	440105	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	179954	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	257464	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	203103	20.00	ng	-0.02
86) Perylene-d12	14.86	264	188038	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	832186	119.88	ng	-0.01
7) Phenol-d6	6.07	99	936853	118.22	ng	-0.01
23) Nitrobenzene-d5	6.97	82	637675	85.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	147479	103.73	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	930114	87.72	ng	-0.02
78) Terphenyl-d14	12.48	244	517106	51.91	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.16	163	162112	11.863	ng	98
70) Phenanthrene	10.92	178	123197	8.931	ng	99
74) Fluoranthene	12.10	202	126082	9.329	ng	97
77) Pyrene	12.32	202	116117	6.983	ng	98
80) Benzo(a)anthracene	13.51	228	43704	3.326	ng	97
82) Chrysene	13.54	228	38628	3.010	ng	97
87) Benzo(b)fluoranthene	14.52	252	44061m	3.898	ng	
89) Benzo(a)pyrene	14.81	252	35723	3.453	ng	98

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

Quantitation Report (QT Reviewed)

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Data File : BF097541.D
Acq On : 10 Aug 2017 3:07
Operator : SJ/JU
Sample : I4677-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 10 07:35:09 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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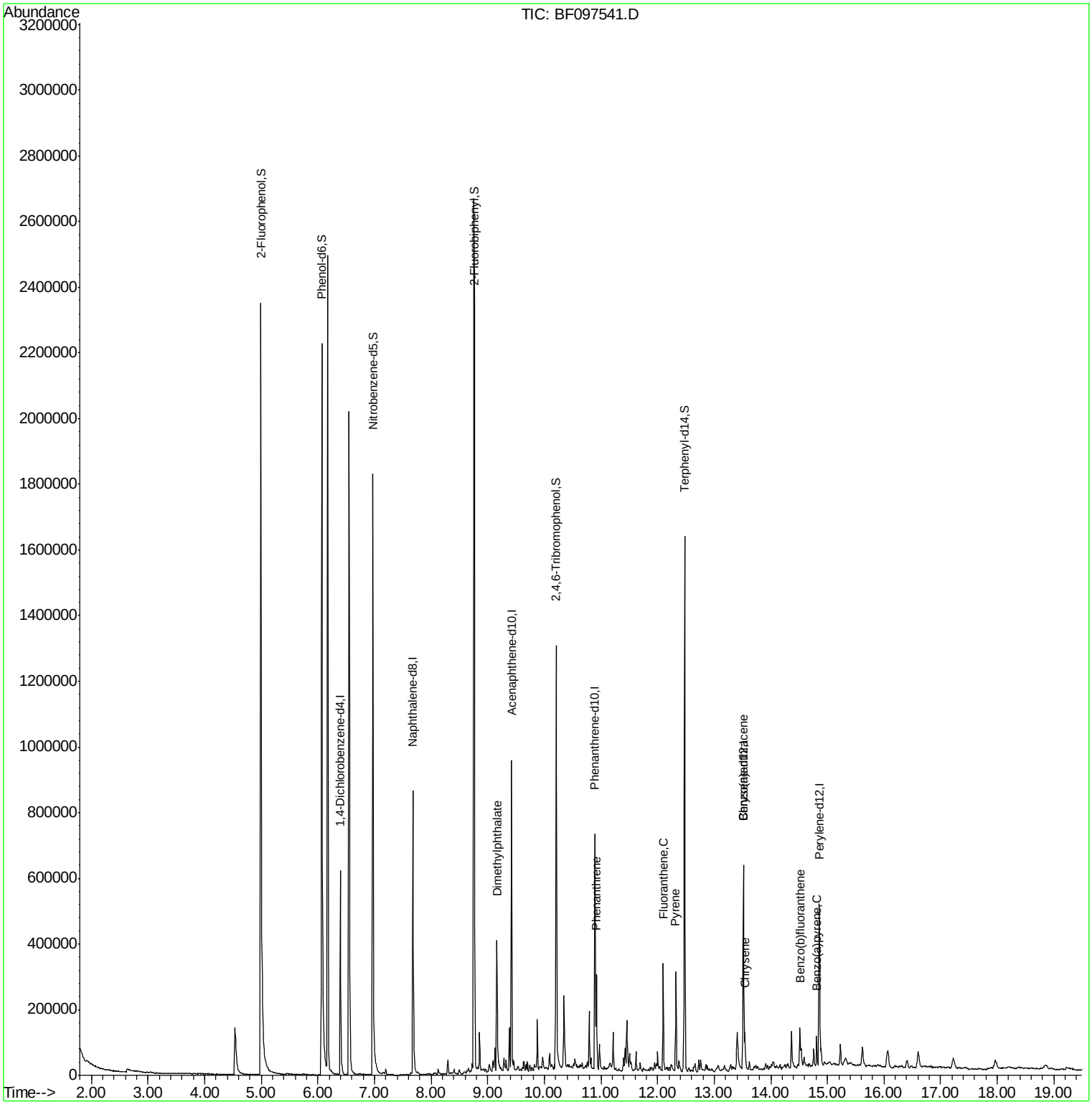
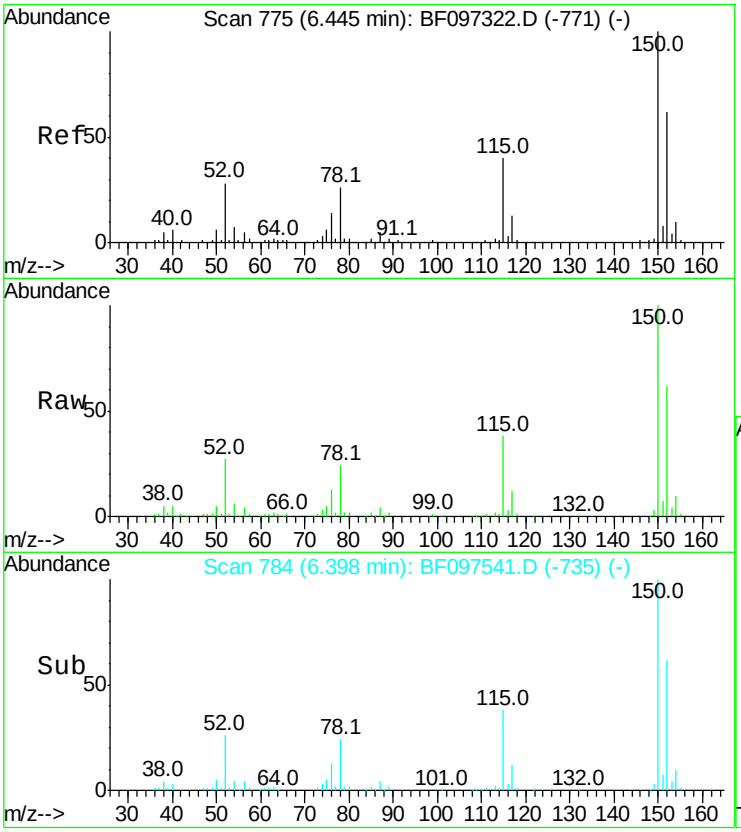
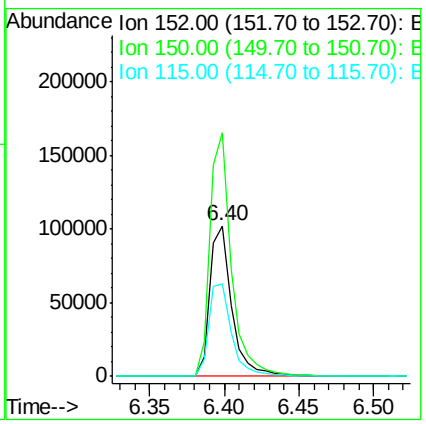




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:152 Resp: 104647

Ion	Ratio	Lower	Upper
152	100		
150	161.9	126.2	189.2
115	61.9	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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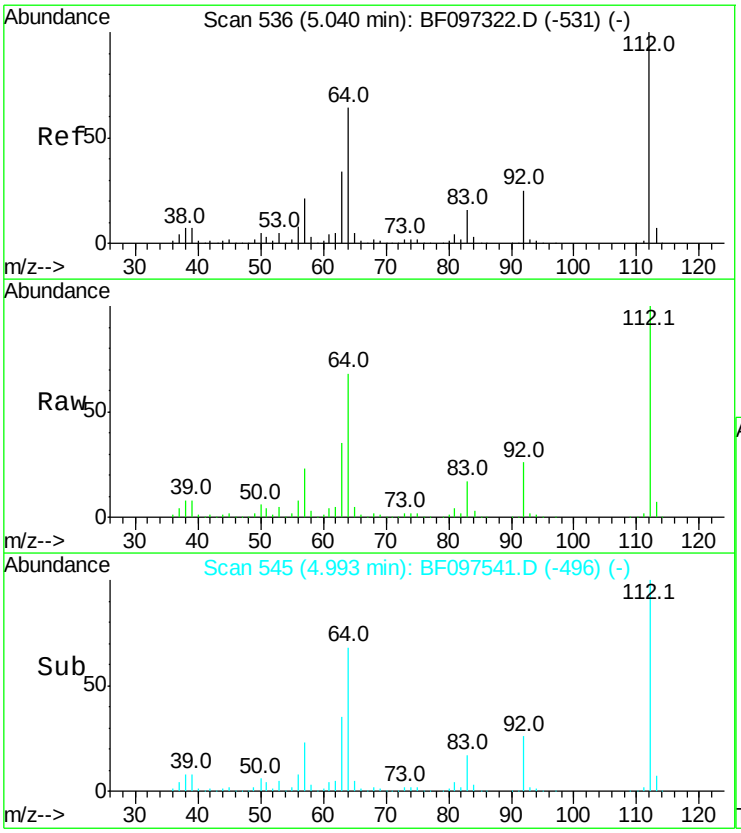
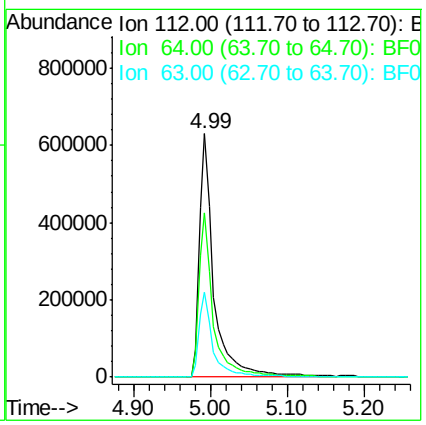
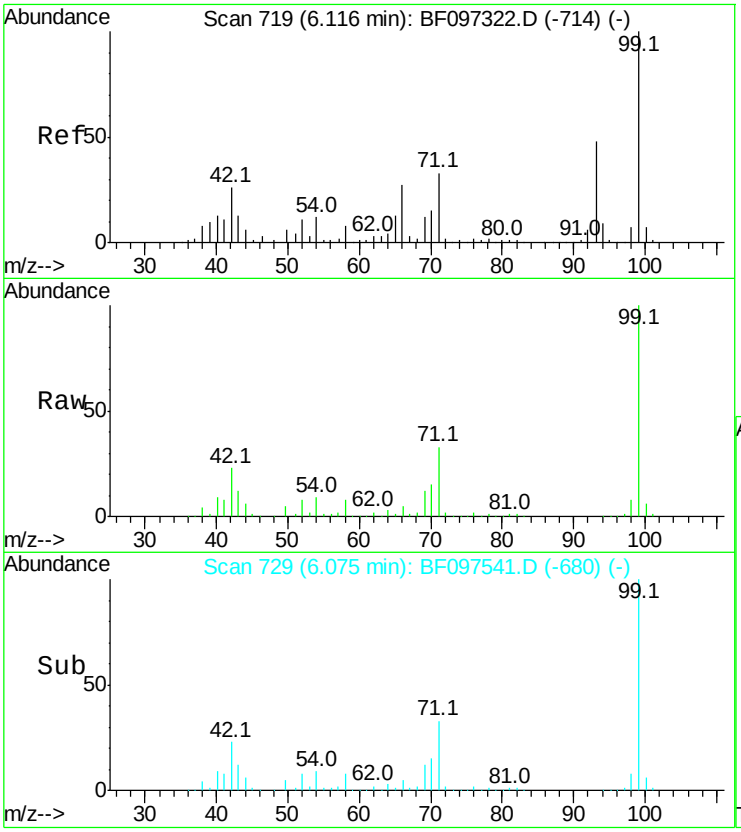


#5
2-Fluorophenol
Concen: 119.880 ng
RT: 4.99 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:112 Resp: 832186

Ion	Ratio	Lower	Upper
112	100		
64	67.6	46.0	69.0
63	35.1	23.4	35.0#

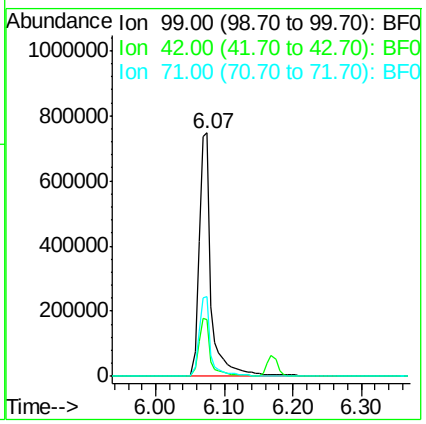




#7
Phenol-d6
Concen: 118.216 ng
RT: 6.07 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion: 99 Resp: 936853

Ion	Ratio	Lower	Upper
99	100		
42	23.2	13.5	20.3#
71	32.8	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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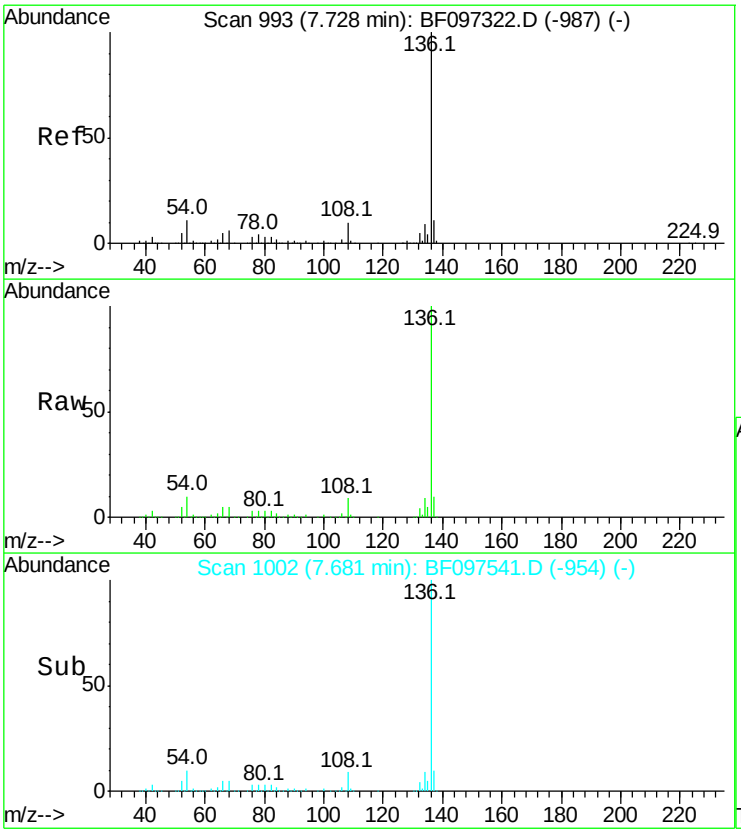
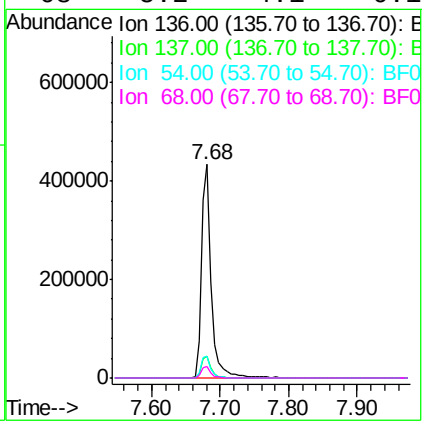
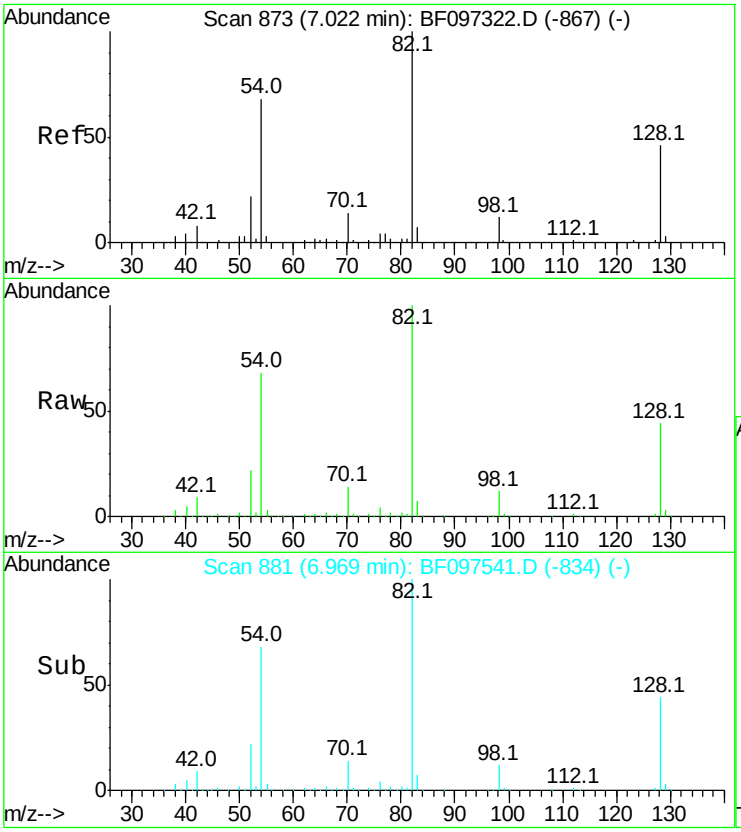


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:136 Resp: 440105

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.5	12.7
54	10.0	4.9	7.3#
68	5.2	4.1	6.1

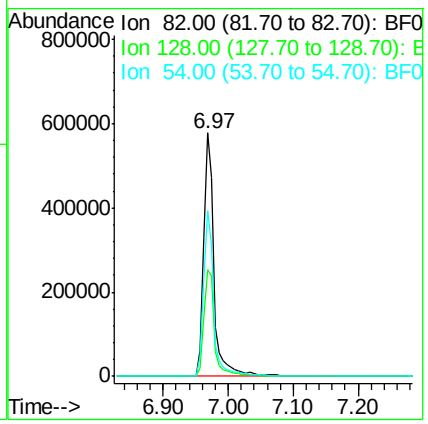




#23
Nitrobenzene-d5
Concen: 84.999 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion: 82 Resp: 637675

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.0	51.0
54	68.1	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

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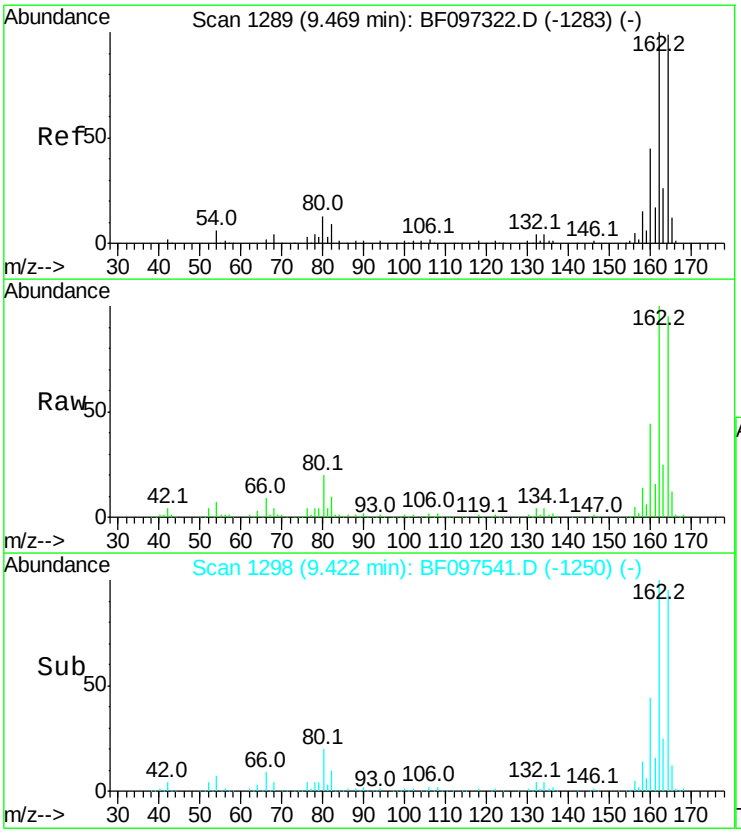
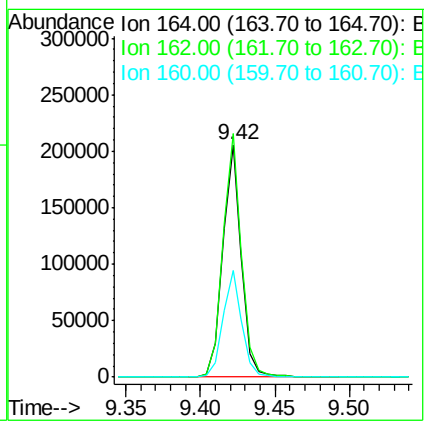
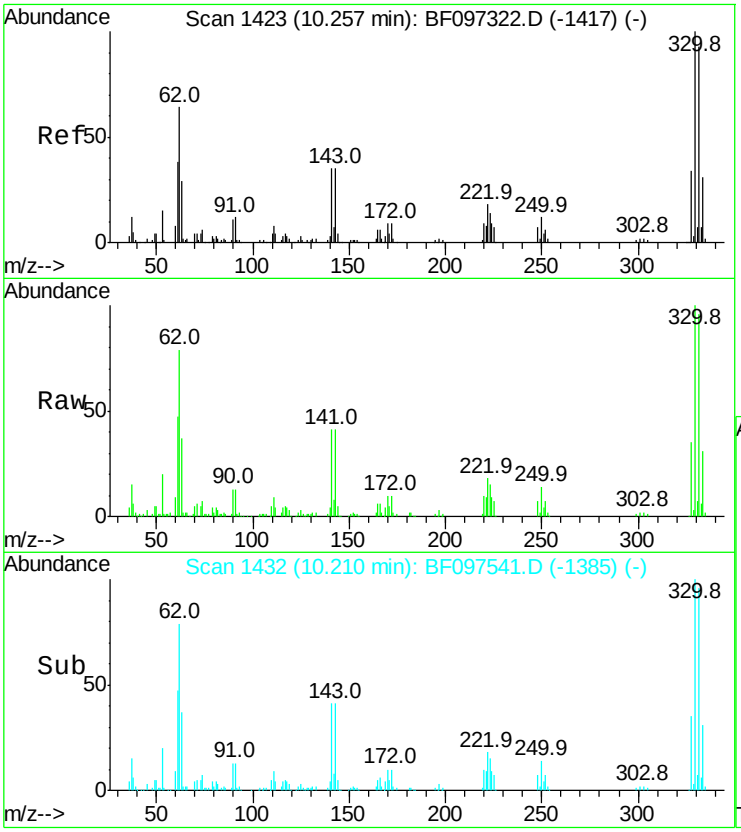


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:164 Resp: 179954

Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	46.1	36.2	54.2

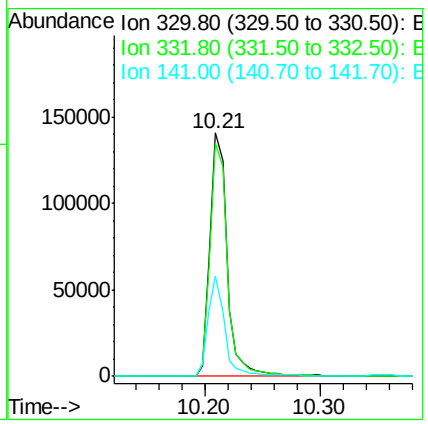




#41
2,4,6-Tribromophenol
Concen: 103.726 ng
RT: 10.21 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:330 Resp: 147479

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	40.4	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

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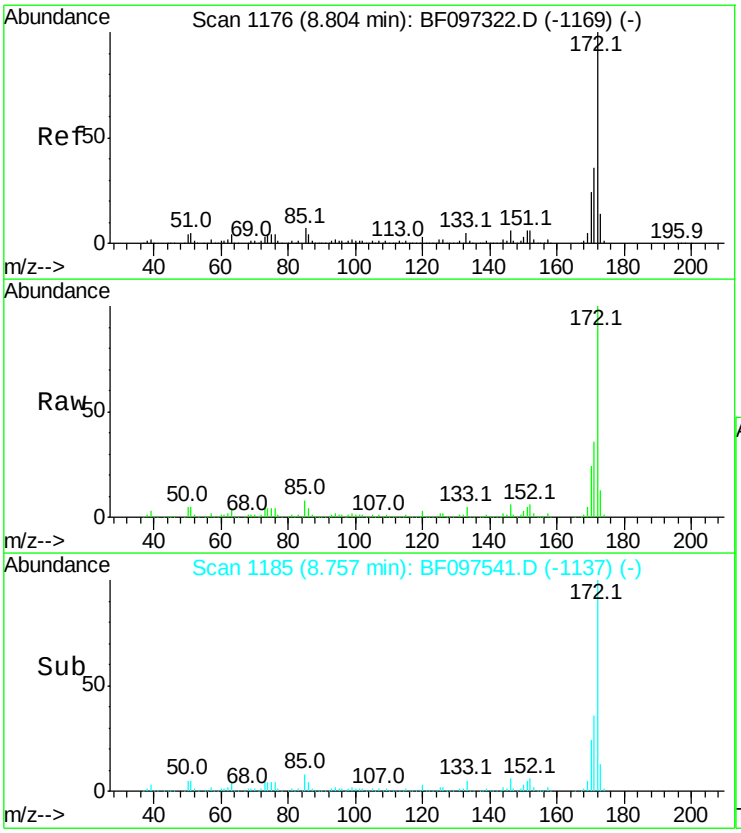
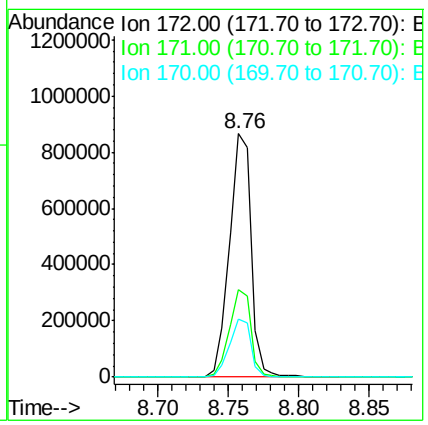
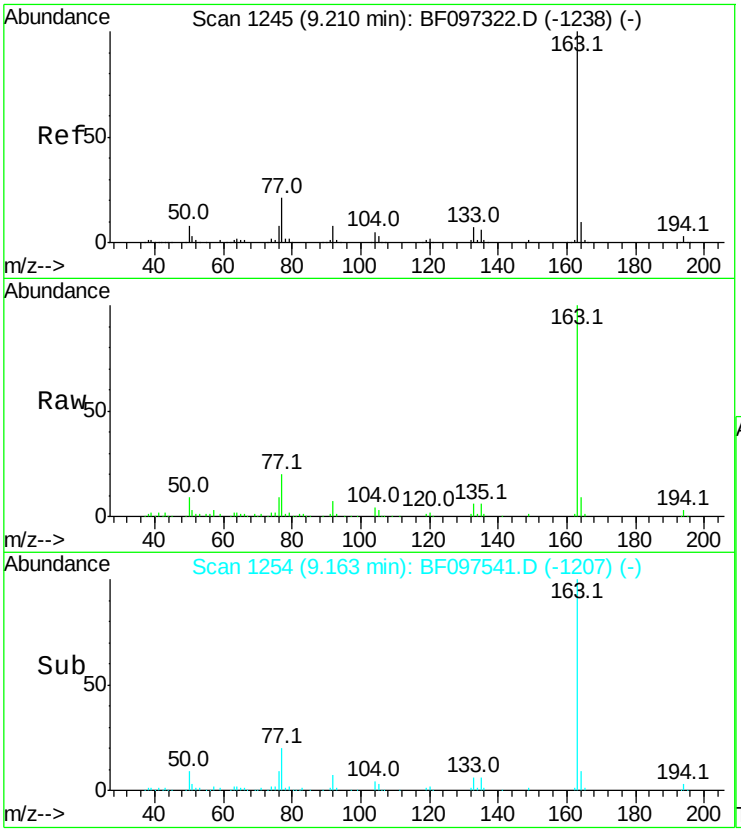


#44
2-Fluorobiphenyl
Concen: 87.716 ng
RT: 8.76 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:172 Resp: 930114

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.0	19.8	29.8

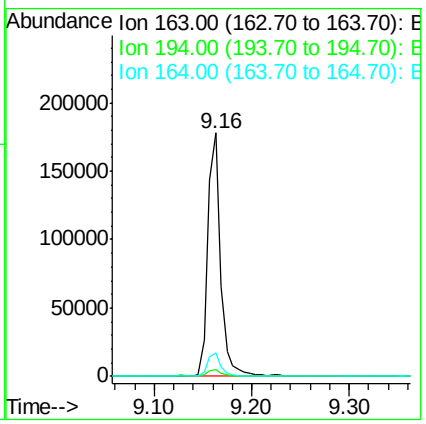




#49
Dimethylphthalate
Concen: 11.863 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:163 Resp: 162112

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.4	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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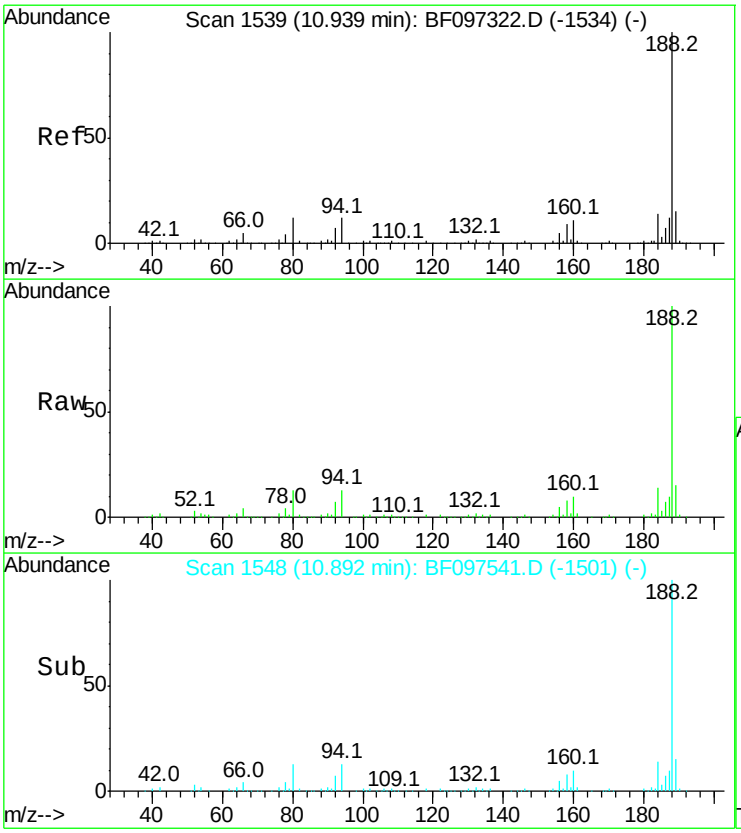
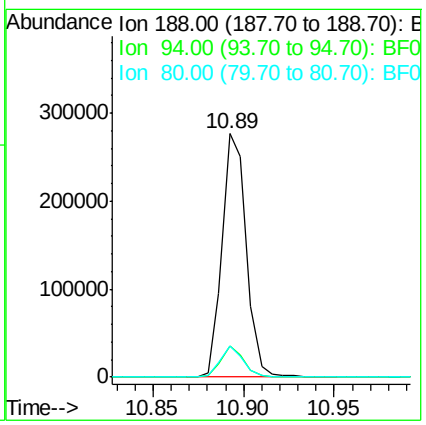
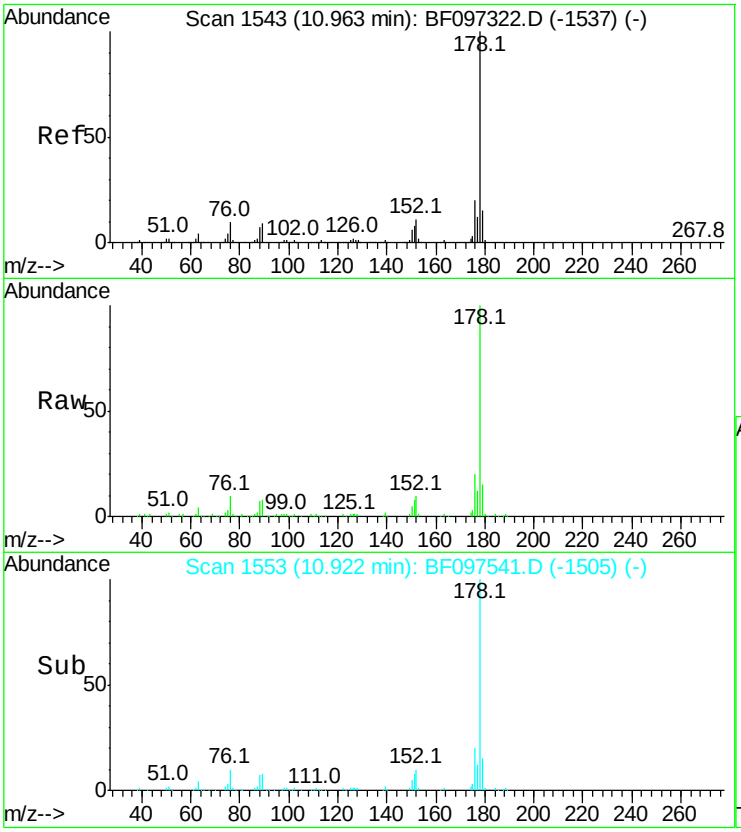


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.89 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:188 Resp: 257464

Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.4	14.2
80	12.7	10.2	15.2

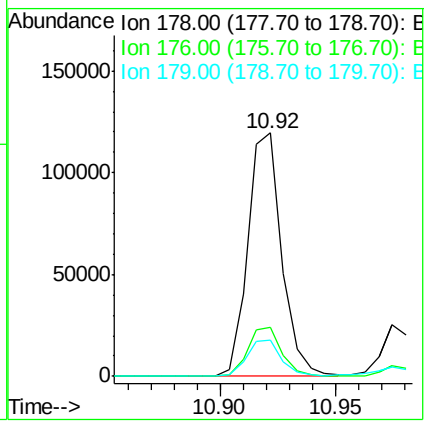




#70
Phenanthrene
Concen: 8.931 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:178 Resp: 123197

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.1	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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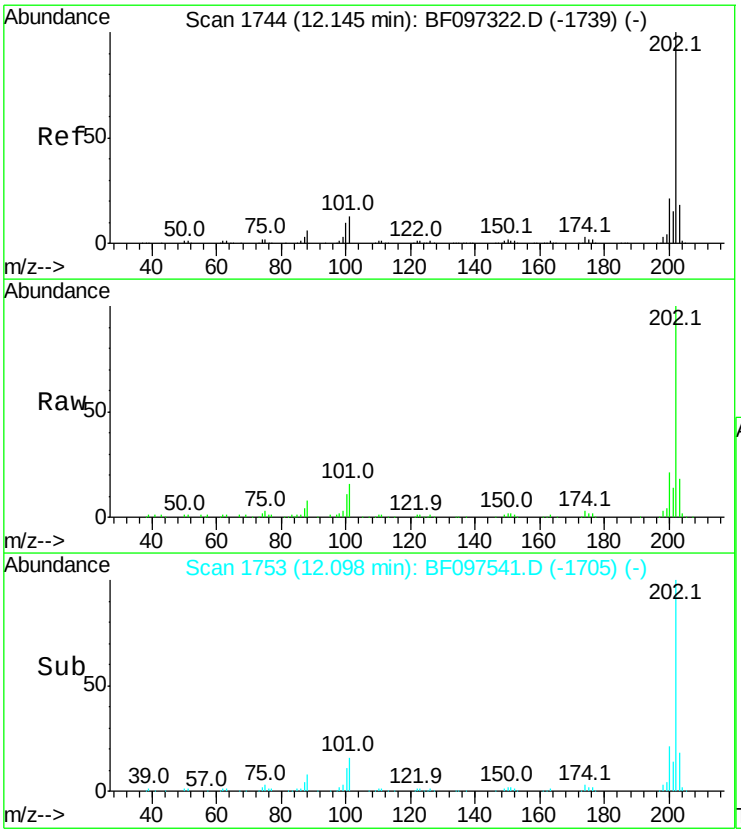
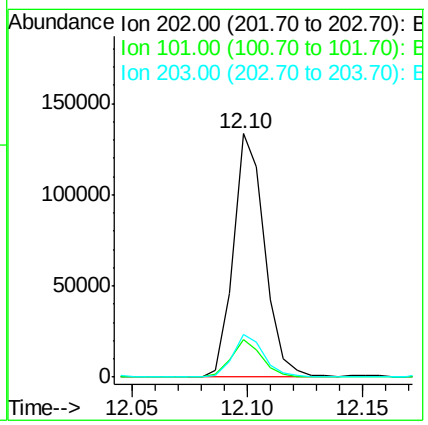
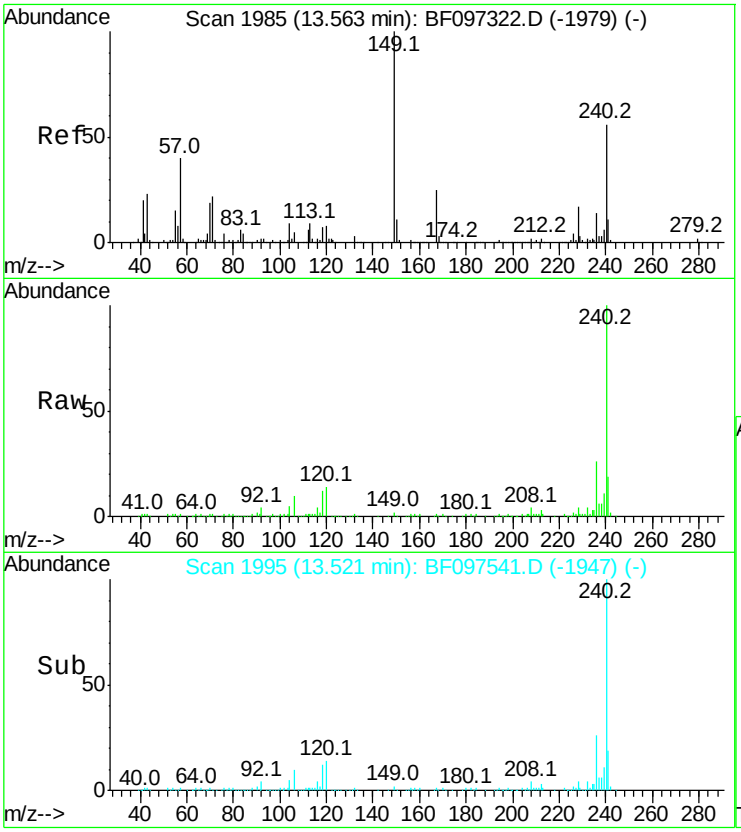


#74
Fluoranthene
Concen: 9.329 ng
RT: 12.10 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:202 Resp: 126082

Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	33.2
203	17.8	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: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:240 Resp: 203103

Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.5	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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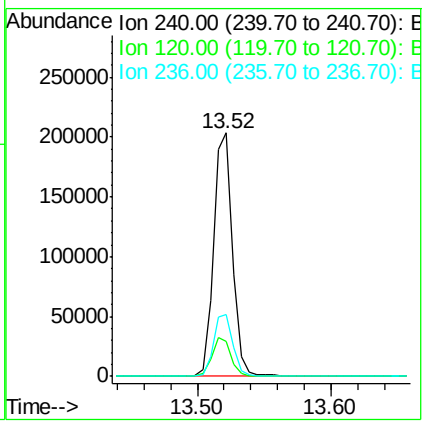
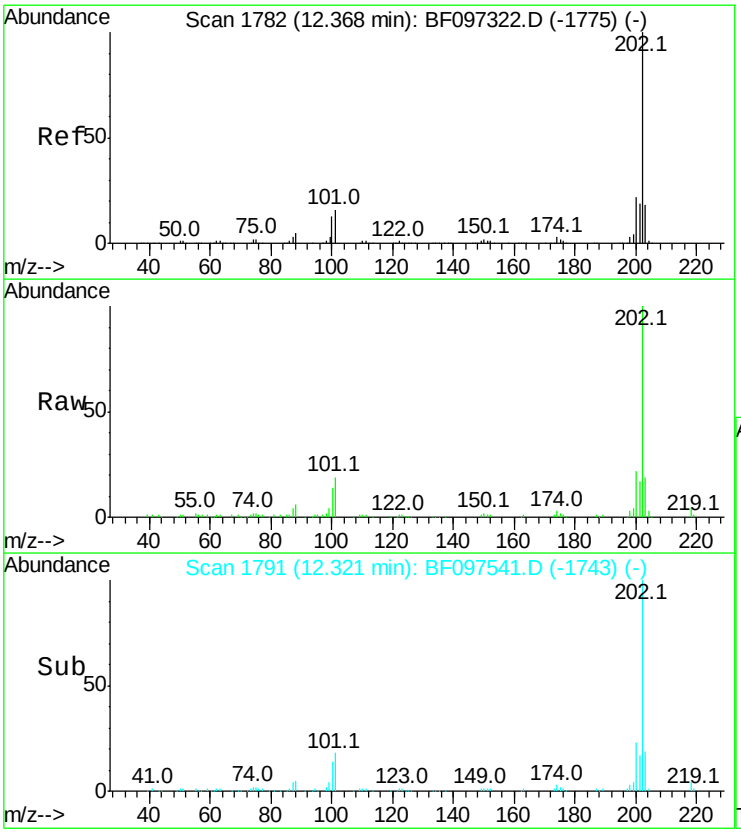
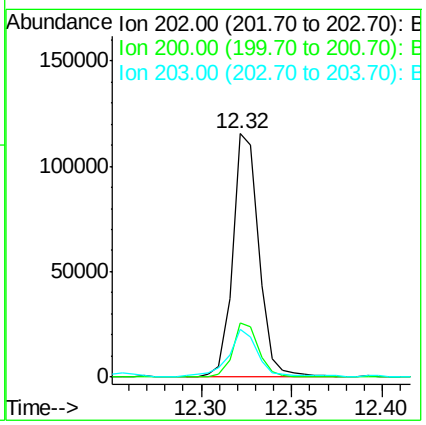


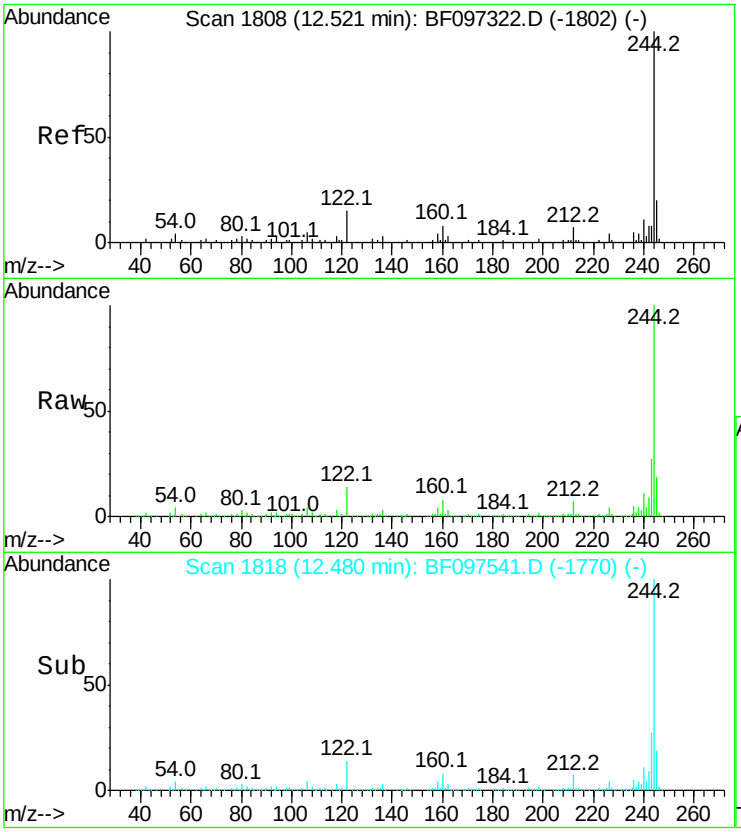


#77
Pyrene
Concen: 6.983 ng
RT: 12.32 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:202 Resp: 116117

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.6	26.4
203	19.4	14.4	21.6

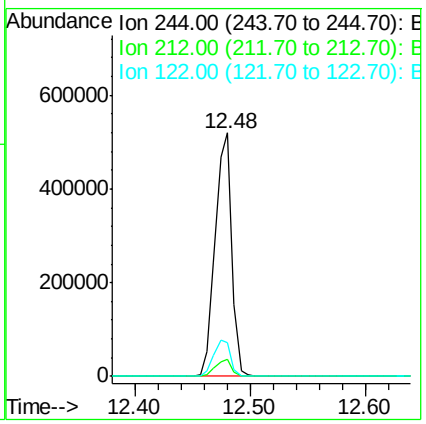




#78
Terphenyl-d14
Concen: 51.910 ng
RT: 12.48 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:244 Resp: 517106

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.8	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
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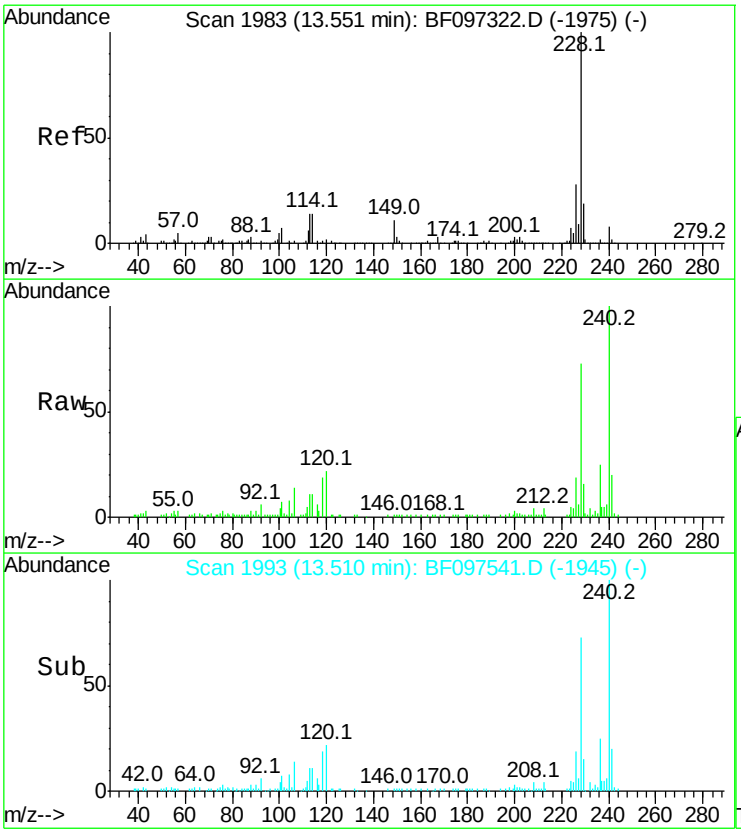
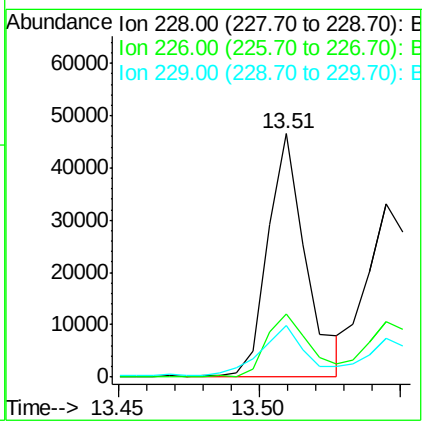
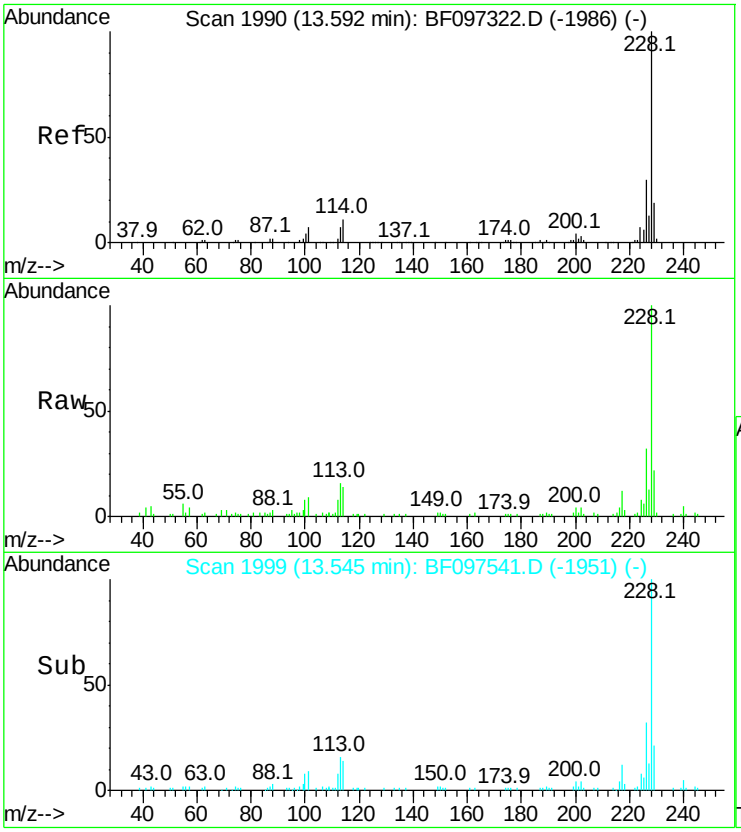


#80
Benzo(a)anthracene
Concen: 3.326 ng
RT: 13.51 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:228 Resp: 43704

Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.6	33.8
229	21.4	16.3	24.5

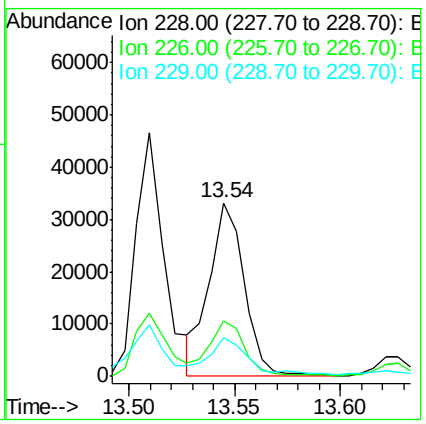




#82
Chrysene
Concen: 3.010 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

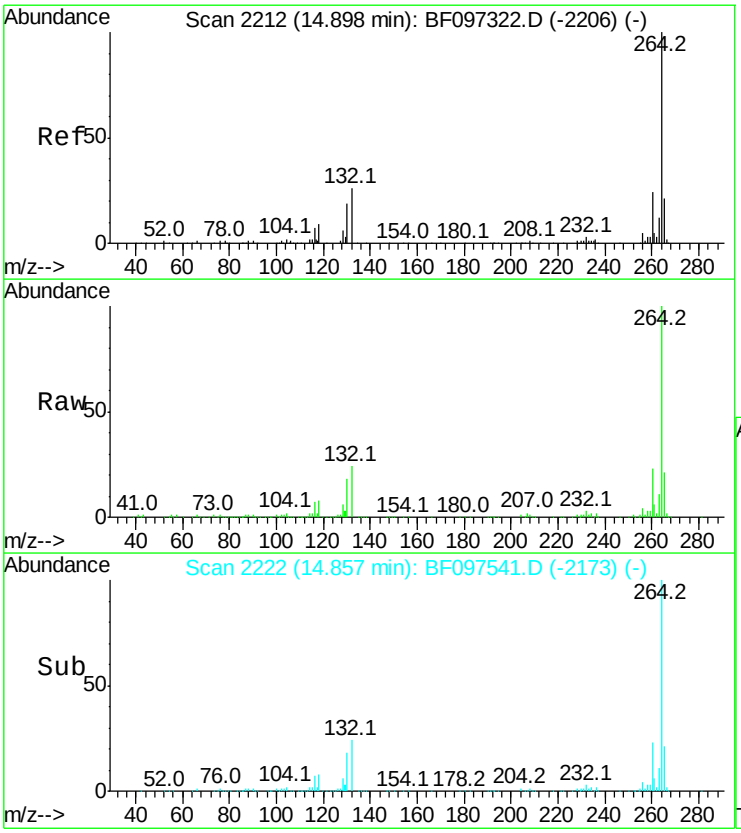
Tgt Ion:228 Resp: 38628

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	22.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

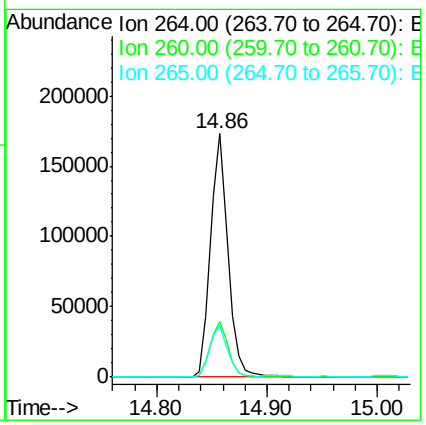
Manual Integrations APPROVED
Sohil
8/10/2017 6:08:00 PM

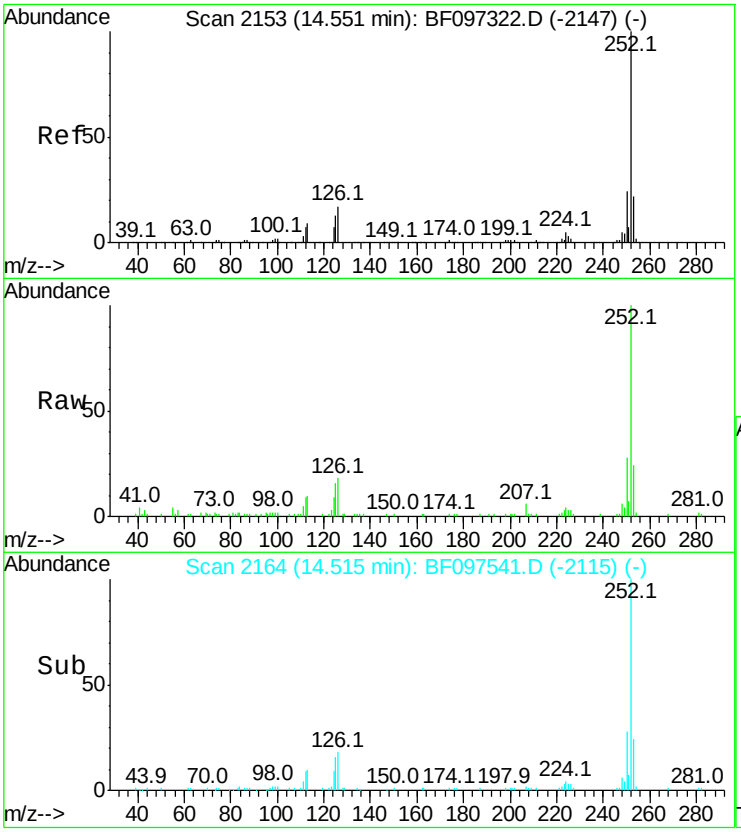


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:264 Resp: 188038

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.1	17.2	25.8





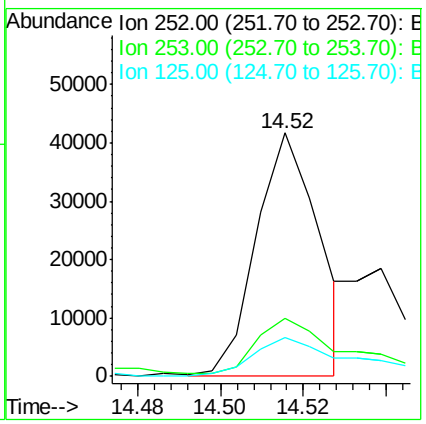
#87
Benzo(b)fluoranthene
Concen: 3.898 ng m
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

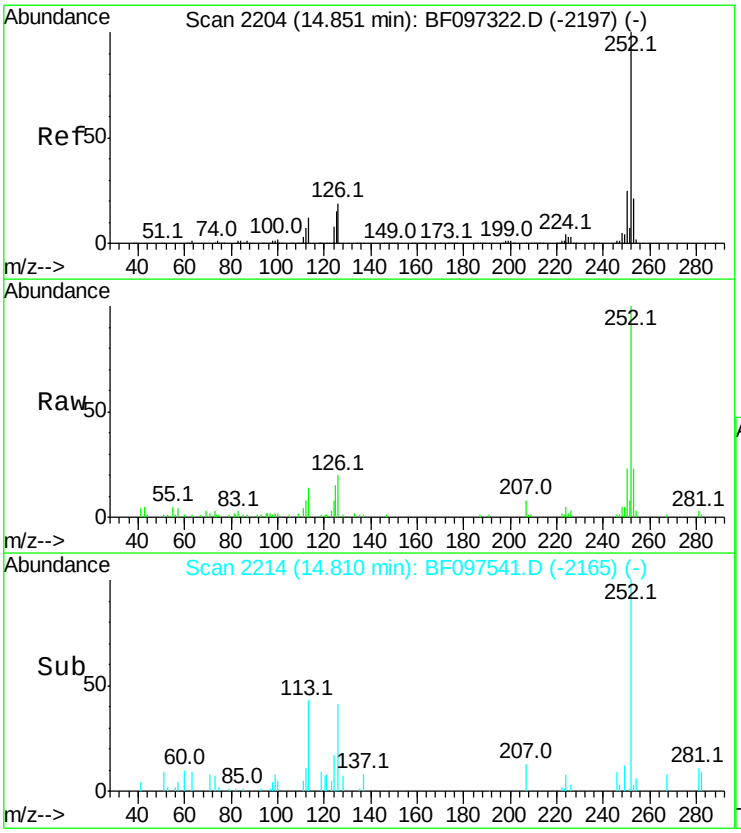
Tgt Ion:252 Resp: 44061

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	15.9	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
E2-F10-BASE

Manual Integrations APPROVED
Sohil
8/10/2017 6:08:00 PM





#89
Benzo(a)pyrene
Concen: 3.453 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097541.D
Acq: 10 Aug 2017 3:07

Tgt Ion:252 Resp: 35723

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	14.7	11.0	16.4