Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097551.D
Acq On : 10 Aug 2017 9:48
Operator : SJ/JU
Sample : I4677-10 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
Sohil
8/10/2017 6:08:58 PM

Quant Time: Aug 10 14:11:25 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	6.39	152	109924	20.00	ng	-0.02
21) Naphthalene-d8	7.68	136	464394	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	186433	20.00	ng	-0.02
63) Phenanthrene-d10	10.89	188	274795	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	215536	20.00	ng	-0.02
86) Perylene-d12	14.86	264	189722	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	67450	9.25	ng	0.01
7) Phenol-d6	6.09	99	97061	11.66	ng	0.00
23) Nitrobenzene-d5	6.99	82	53293	6.73	ng	0.00
41) 2,4,6-Tribromophenol	10.22	330	12024	8.16	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	82321	7.49	ng	-0.02
78) Terphenyl-d14	12.47	244	49584	4.69	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	10.92	178	67551	4.588	ng	96
74) Fluoranthene	12.10	202	118075	8.186	ng	98
77) Pyrene	12.32	202	111637	6.327	ng	97
80) Benzo(a)anthracene	13.51	228	62736	4.498	ng	98
82) Chrysene	13.54	228	54658	4.014	ng	96
85) Indeno(1,2,3-cd)pyrene	16.05	276	28041	2.401	ng	99
87) Benzo(b)fluoranthene	14.52	252	79353m	6.958	ng	
88) Benzo(k)fluoranthene	14.53	252	30413m	2.799	ng	
89) Benzo(a)pyrene	14.81	252	51969	4.979	ng	97
91) Benzo(g,h,i)perylene	16.40	276	23707	2.641	ng	95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
Data File : BF097551.D
Acq On : 10 Aug 2017 9:48
Operator : SJ/JU
Sample : I4677-10 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 10 14:11:25 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

Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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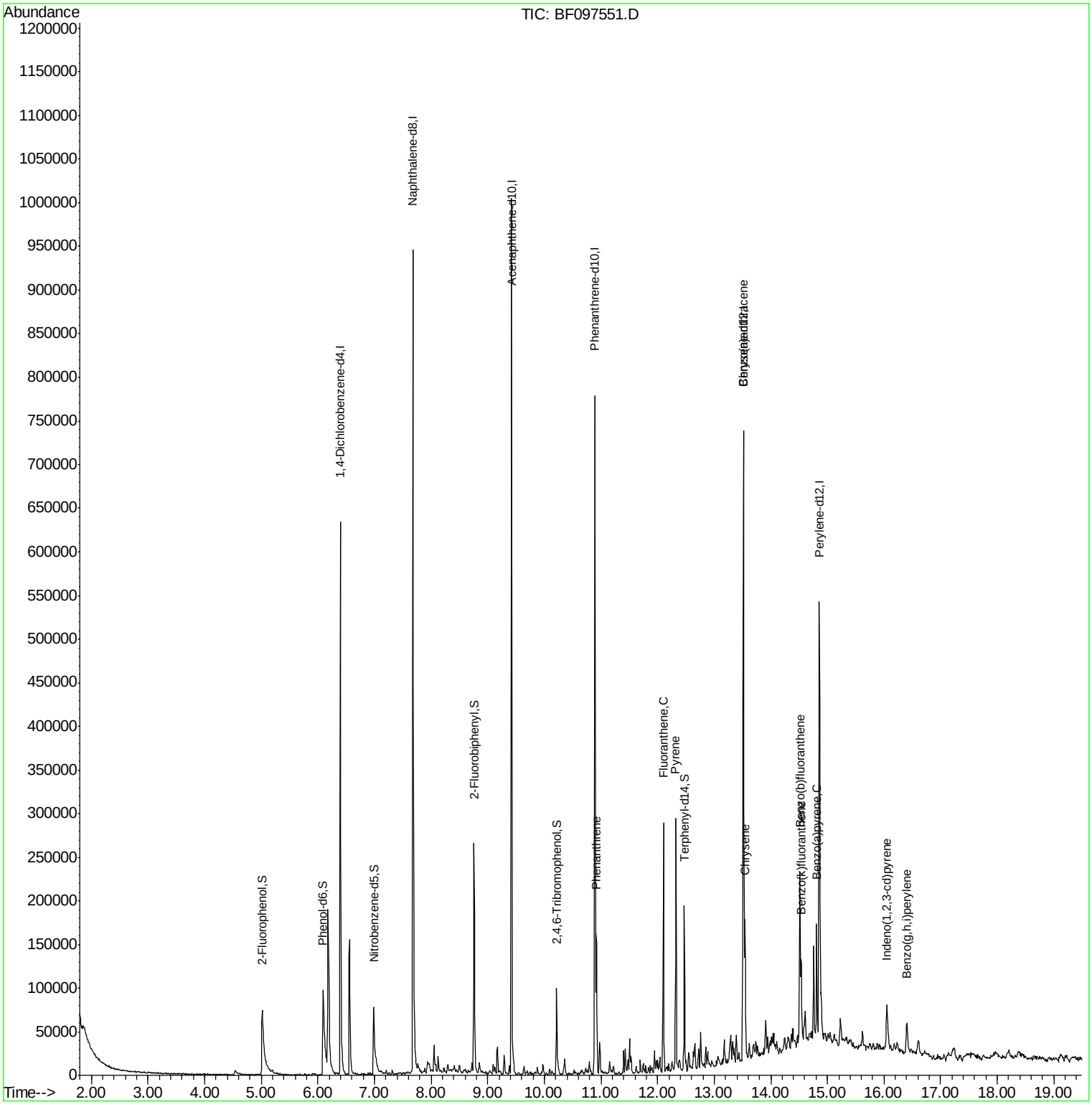
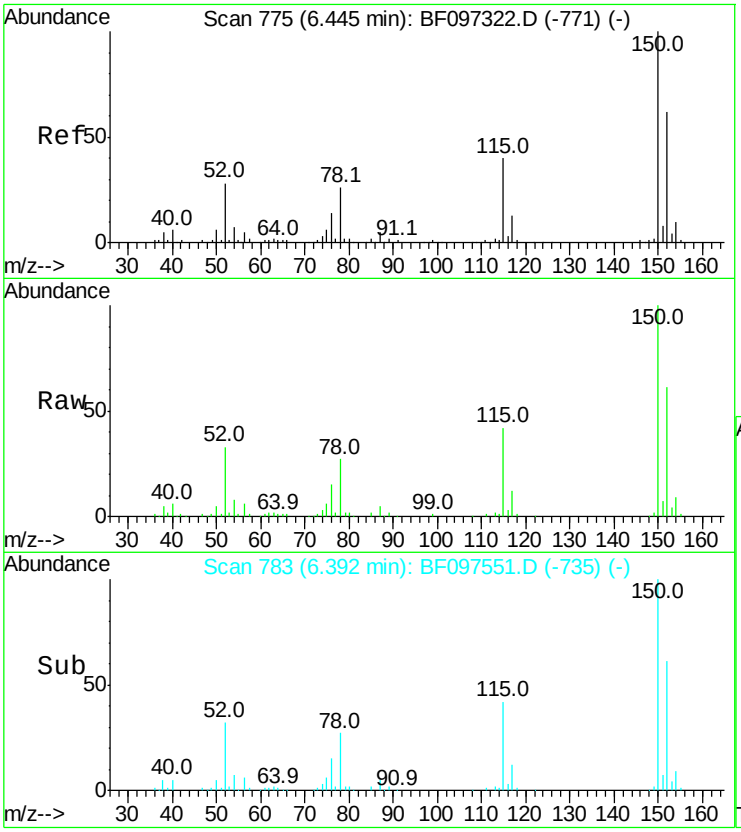
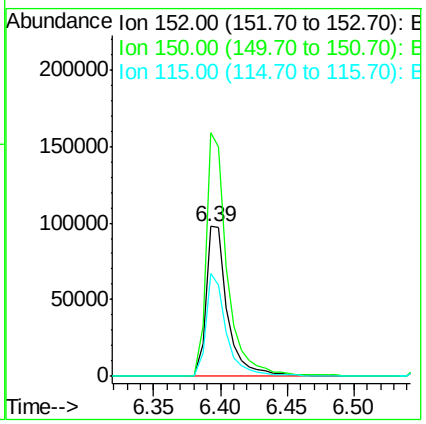




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.39 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:152 Resp: 109924

Ion	Ratio	Lower	Upper
152	100		
150	162.8	126.2	189.2
115	68.7	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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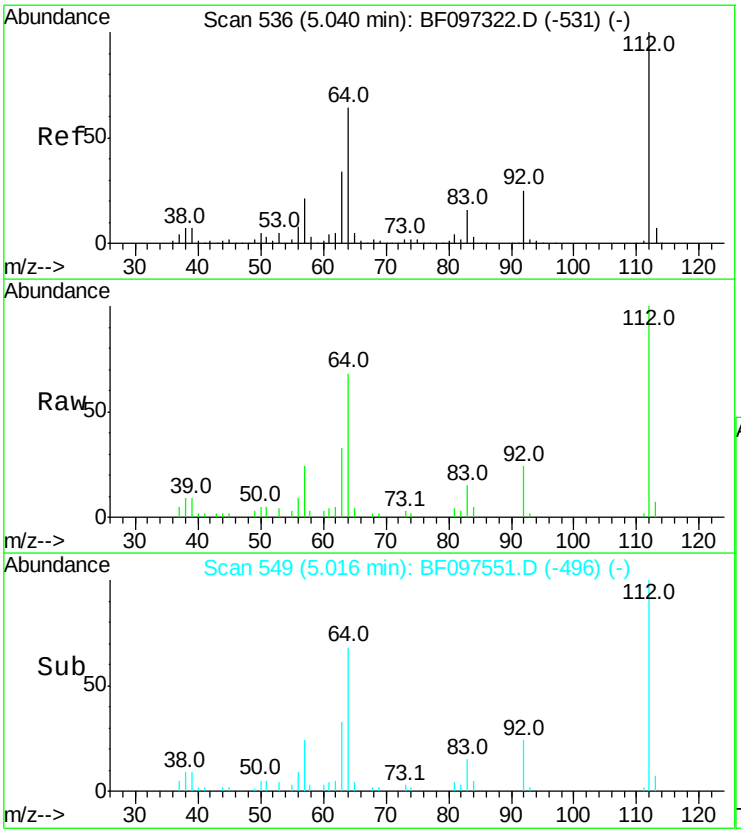
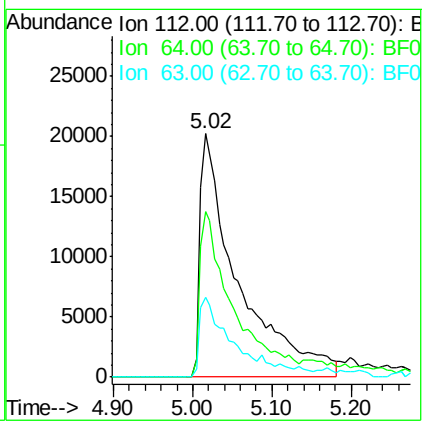
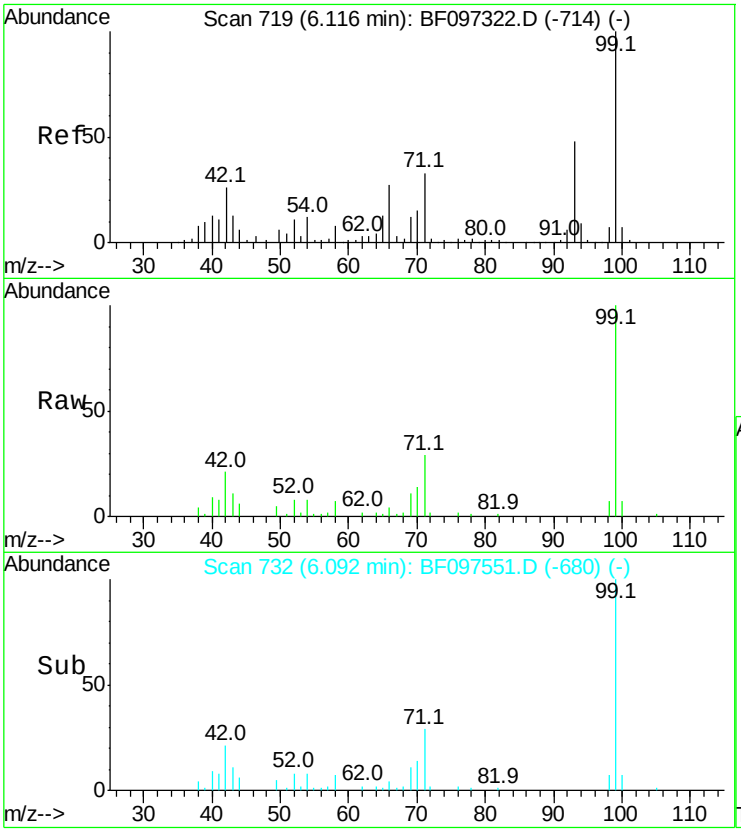


#5
2-Fluorophenol
Concen: 9.250 ng
RT: 5.02 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:112 Resp: 67450

Ion	Ratio	Lower	Upper
112	100		
64	67.8	46.0	69.0
63	32.6	23.4	35.0

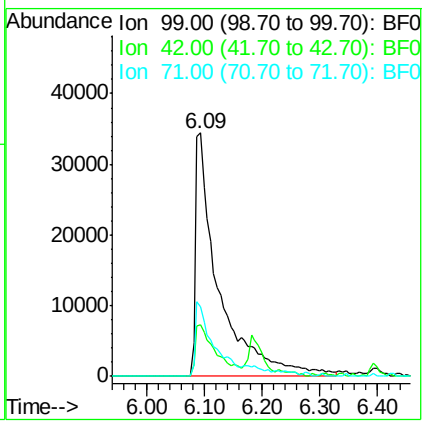




#7
Phenol-d6
Concen: 11.660 ng
RT: 6.09 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion: 99 Resp: 97061

Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	28.8	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

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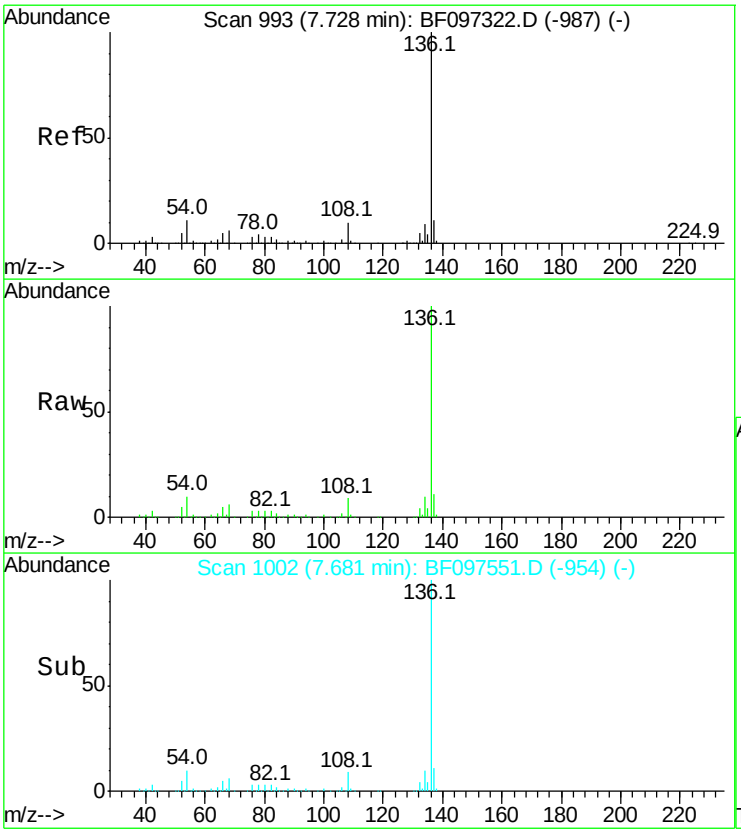
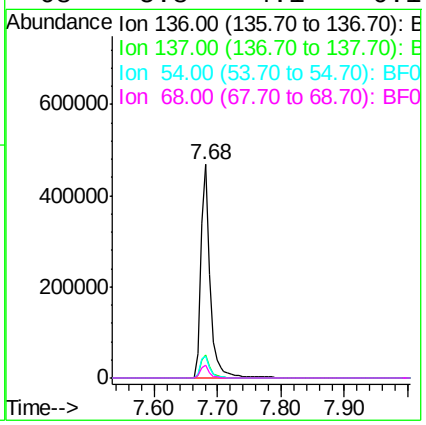
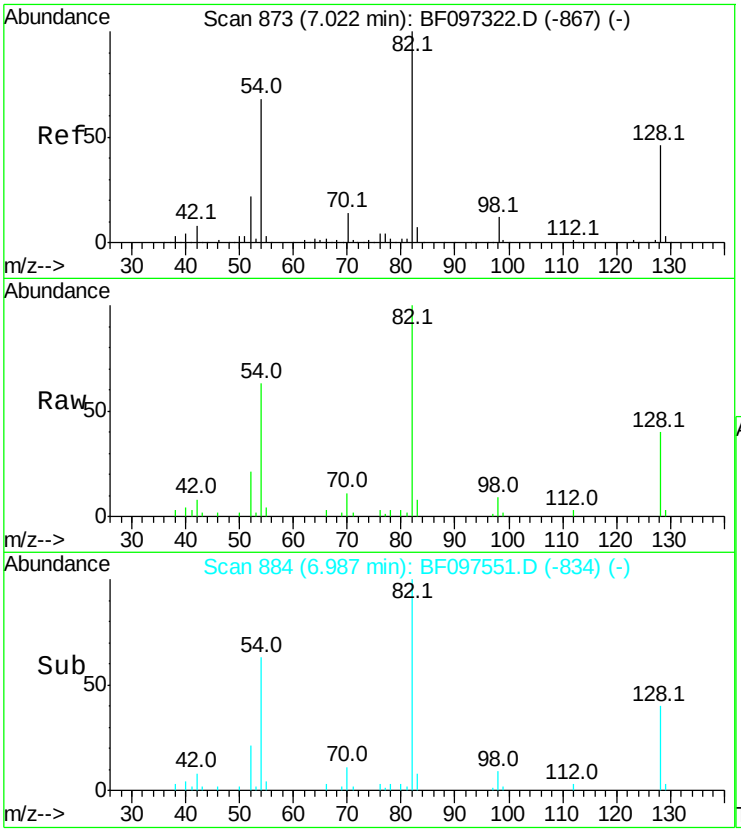


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.68 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:136 Resp: 464394

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.3	4.9	7.3#
68	5.8	4.1	6.1

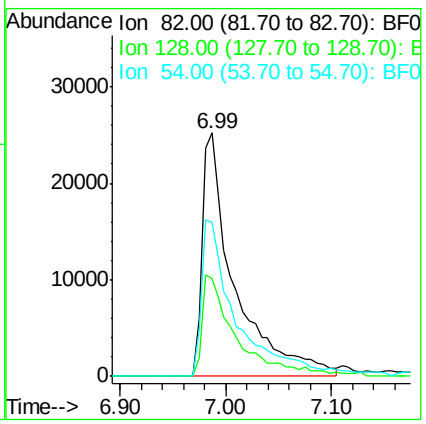




#23
Nitrobenzene-d5
Concen: 6.732 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion: 82 Resp: 53293

Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.0	51.0
54	63.5	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

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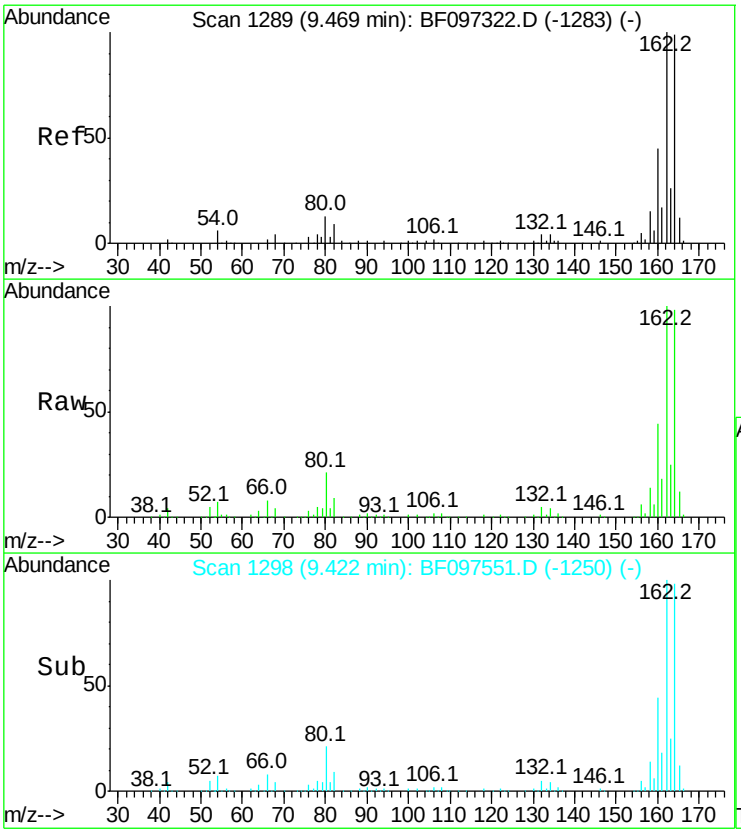
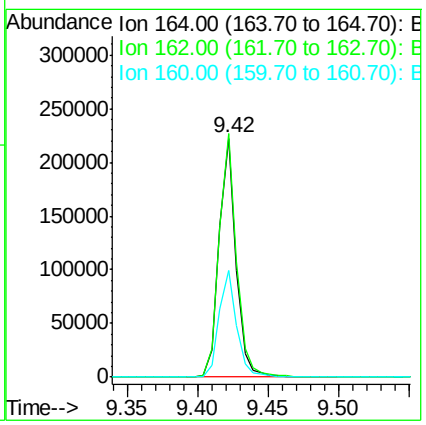
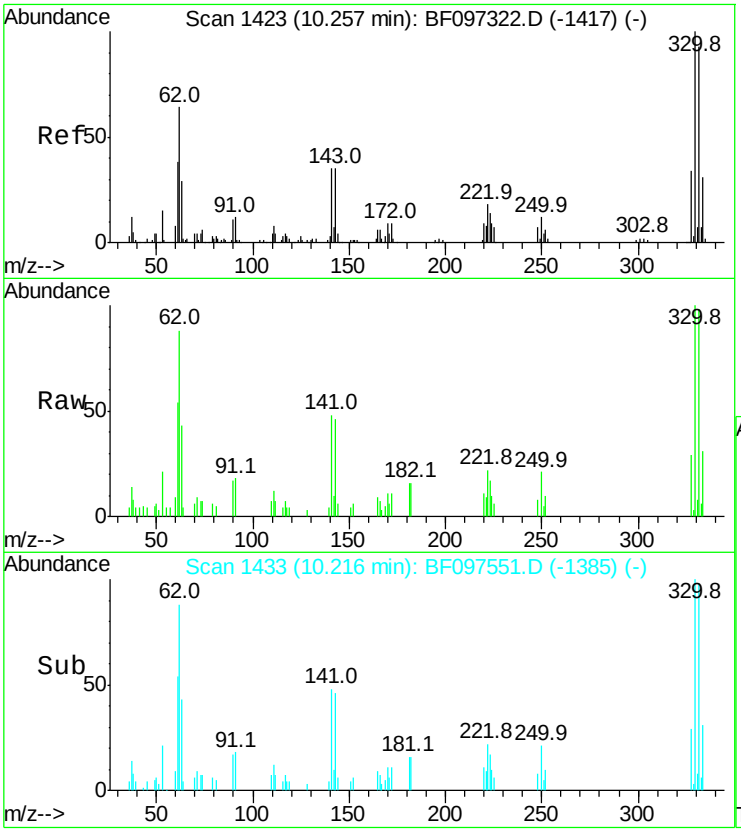


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:164 Resp: 186433

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	44.4	36.2	54.2

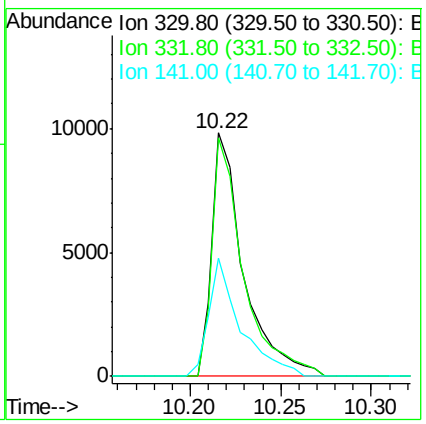




#41
2,4,6-Tribromophenol
Concen: 8.163 ng
RT: 10.22 min Scan# 1433
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:330 Resp: 12024

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	48.4	31.4	47.2#



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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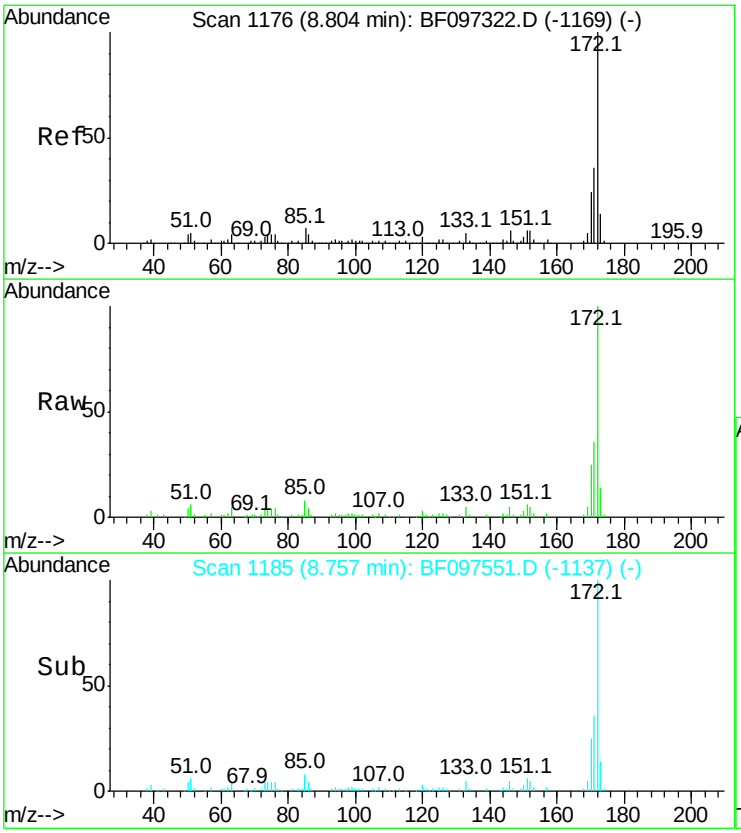
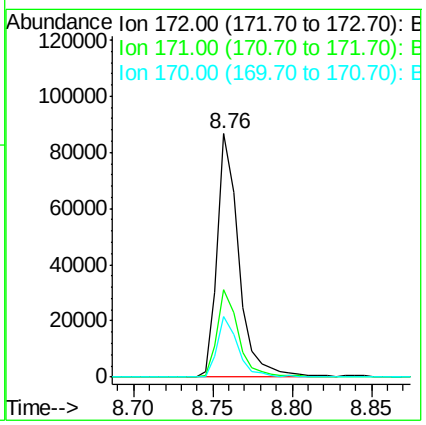
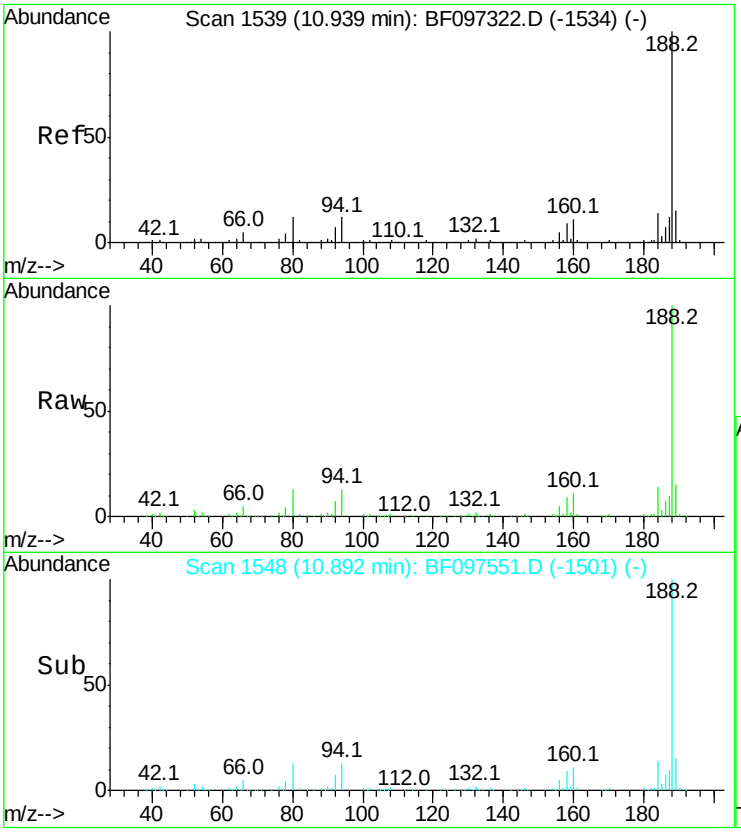


#44
2-Fluorobiphenyl
Concen: 7.494 ng
RT: 8.76 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:172 Resp: 82321

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.7	19.8	29.8

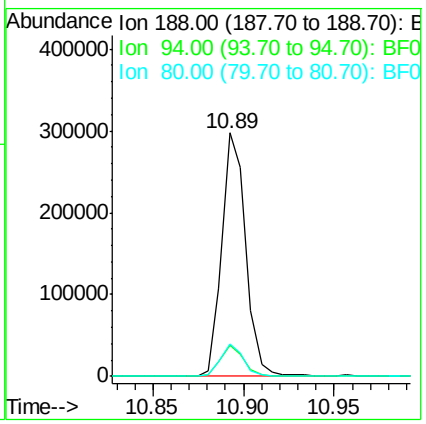




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.89 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:188 Resp: 274795

Ion	Ratio	Lower	Upper
188	100		
94	12.6	9.4	14.2
80	13.3	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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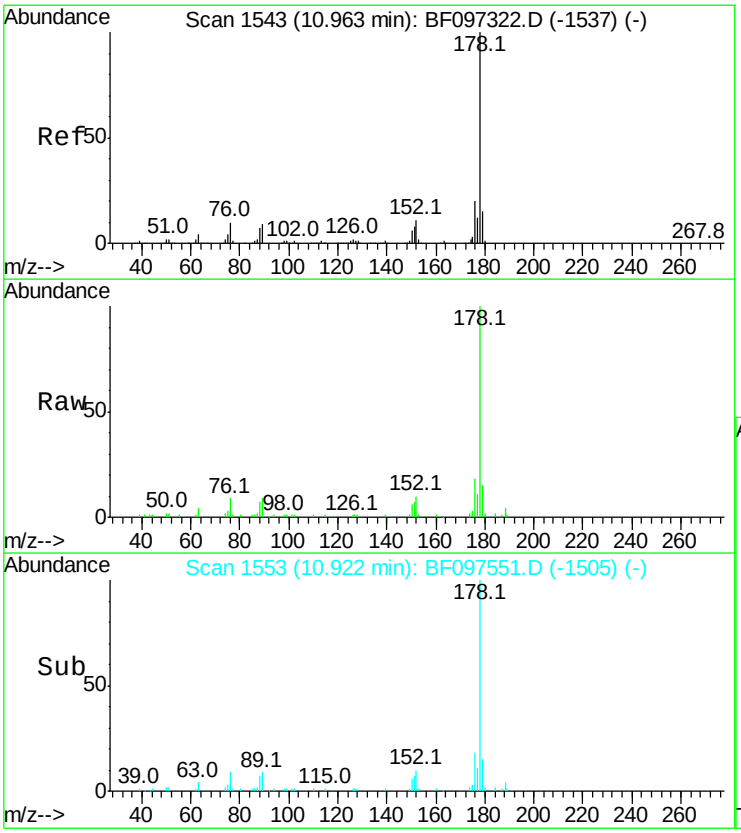
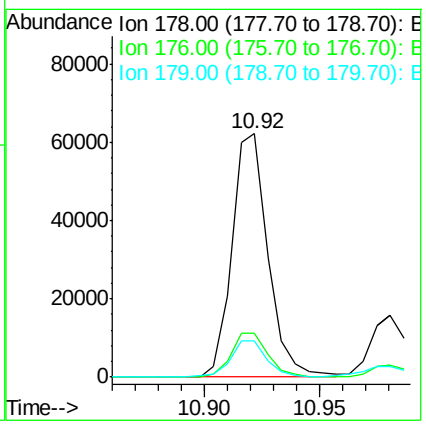
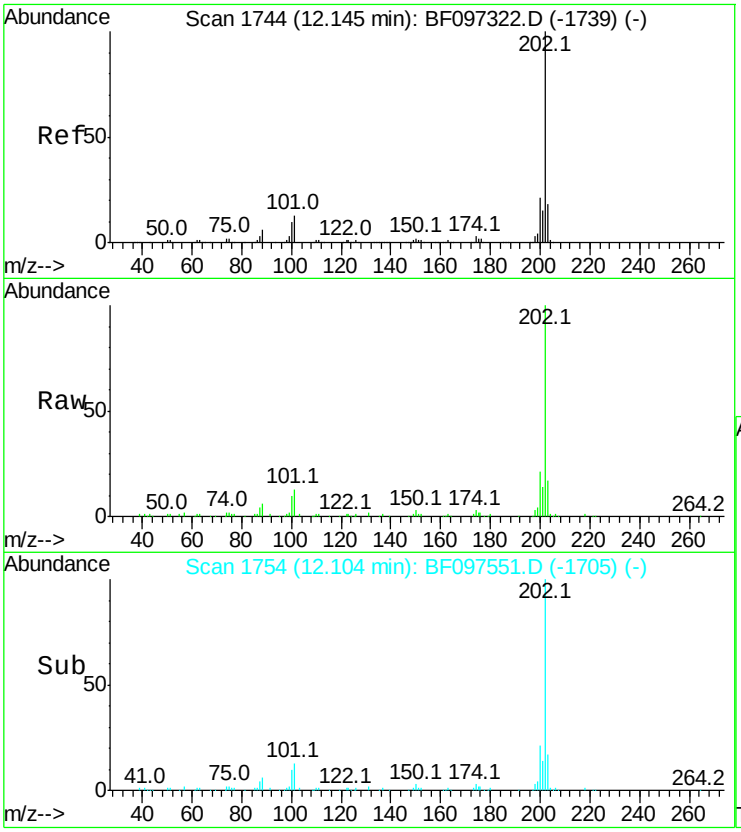


#70
Phenanthrene
Concen: 4.588 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:178 Resp: 67551

Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.2	24.4
179	14.9	12.6	19.0

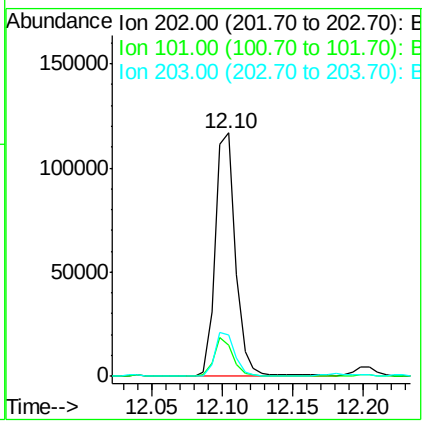




#74
Fluoranthene
Concen: 8.186 ng
RT: 12.10 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:202 Resp: 118075

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.8	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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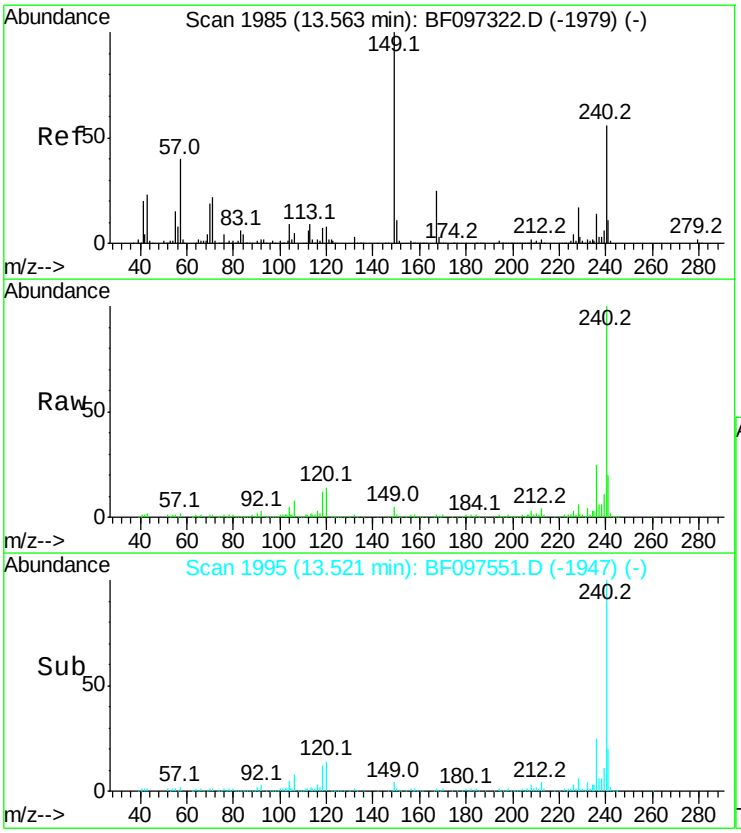
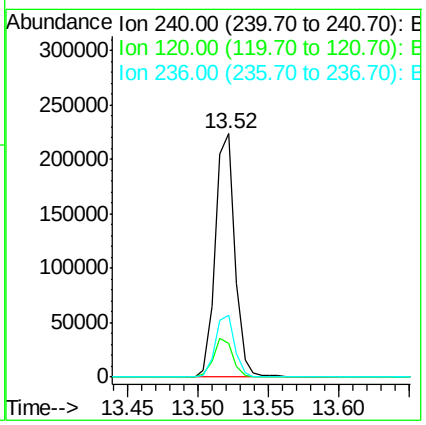
8/10/2017 6:08:58 PM

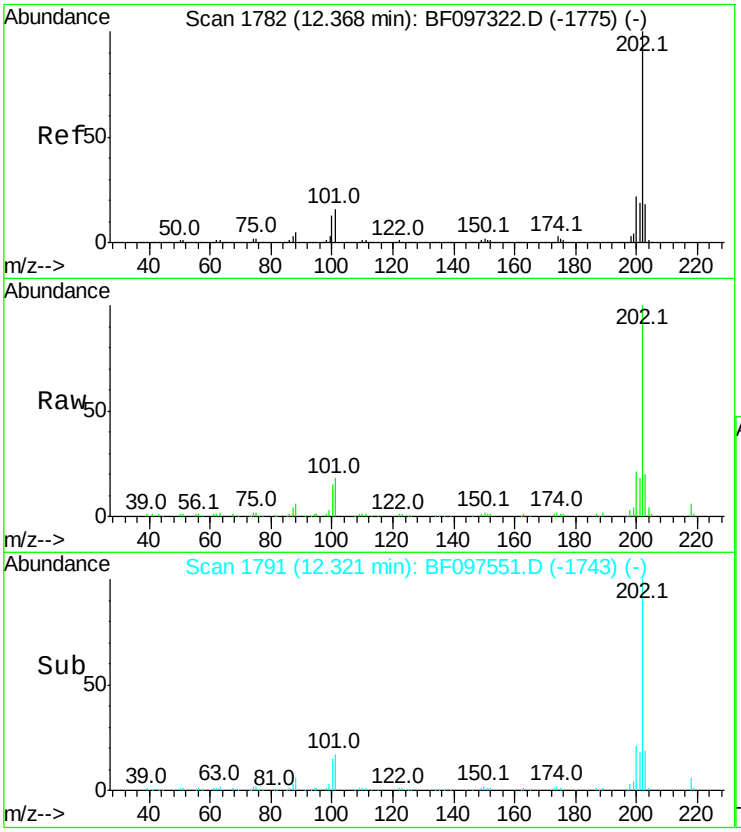


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:240 Resp: 215536

Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.4	20.5	30.7

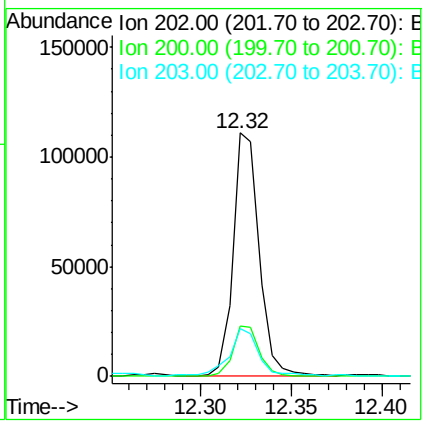




#77
Pyrene
Concen: 6.327 ng
RT: 12.32 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:202 Resp: 111637

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	19.8	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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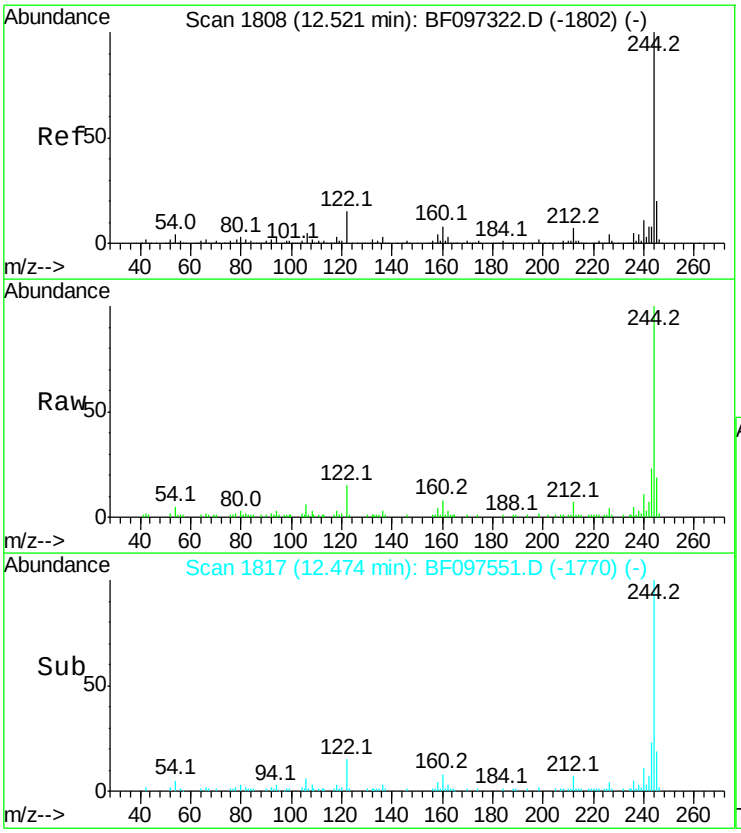
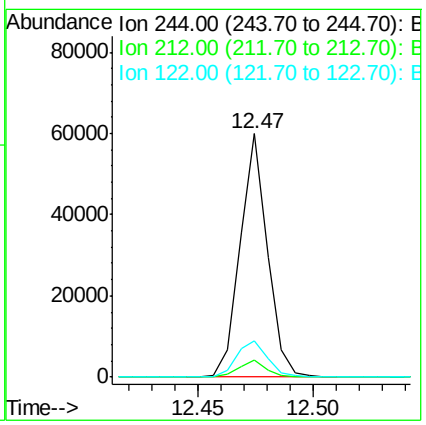
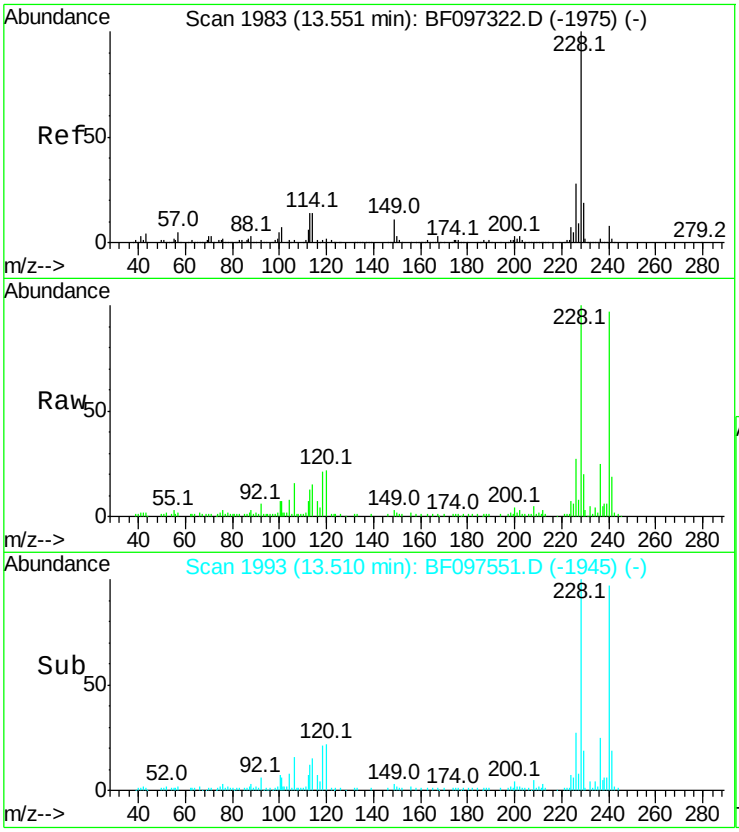


#78
Terphenyl-d14
Concen: 4.690 ng
RT: 12.47 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:244 Resp: 49584

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.7	10.3	15.5

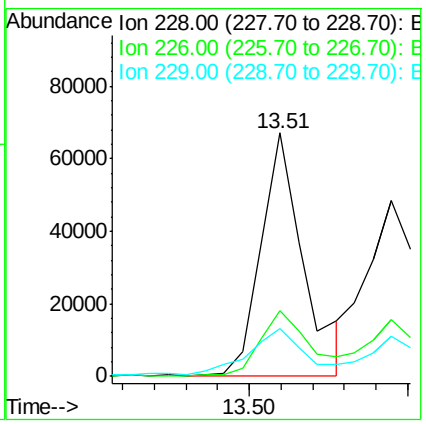




#80
Benzo(a)anthracene
Concen: 4.498 ng
RT: 13.51 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:228 Resp: 62736

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.7	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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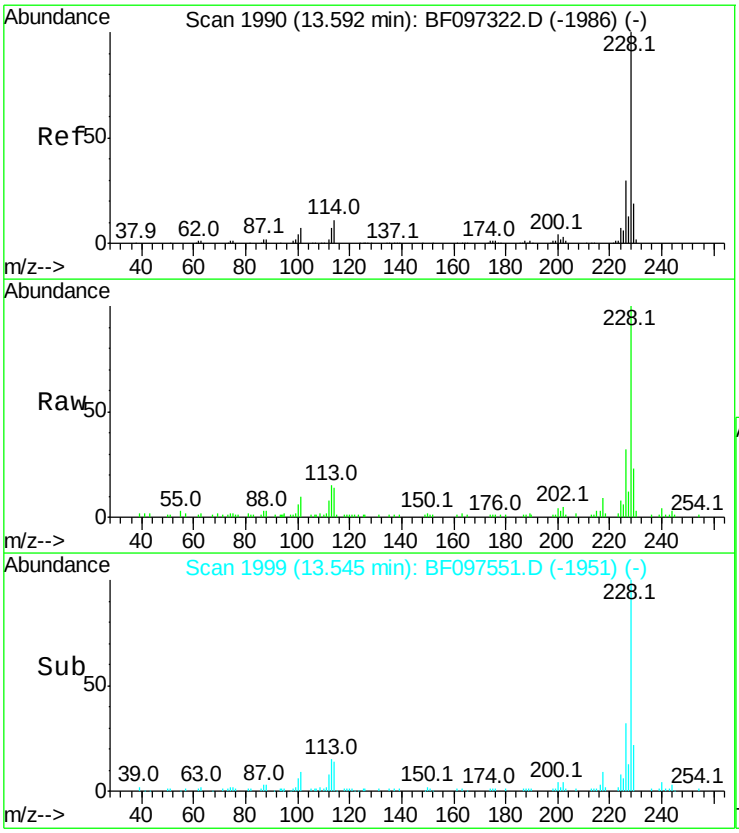
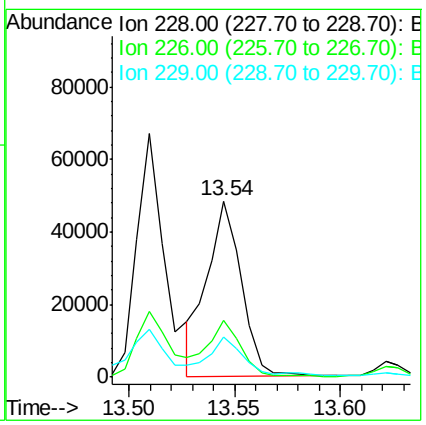
8/10/2017 6:08:58 PM

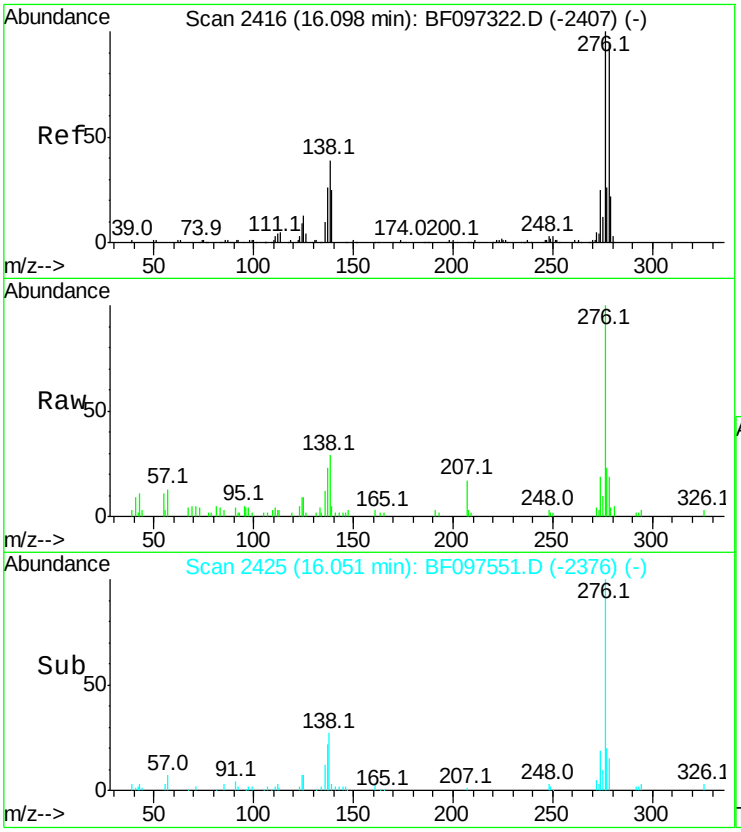


#82
Chrysene
Concen: 4.014 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:228 Resp: 54658

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	22.8	15.8	23.6

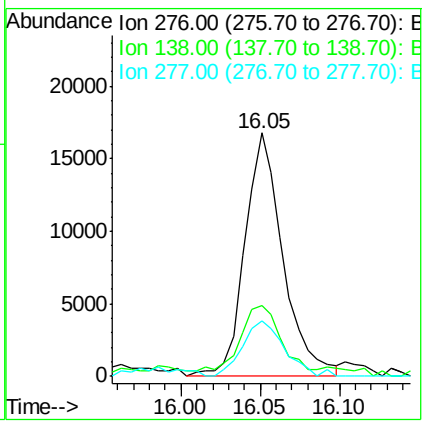




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.401 ng
RT: 16.05 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:276 Resp: 28041

Ion	Ratio	Lower	Upper
276	100		
138	33.9	27.8	41.6
277	24.8	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
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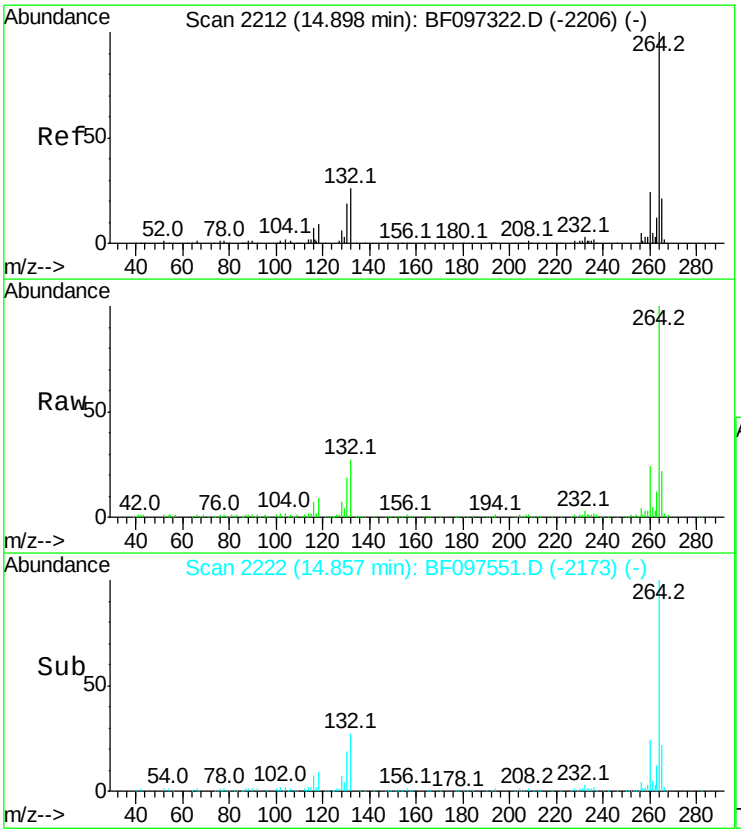
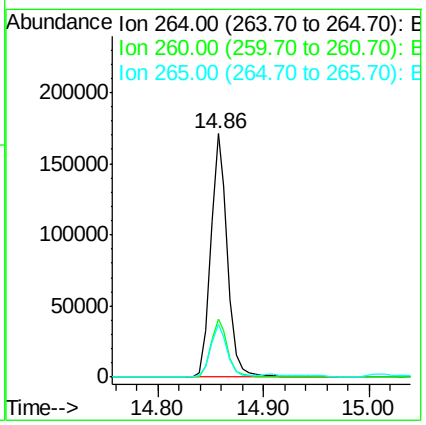
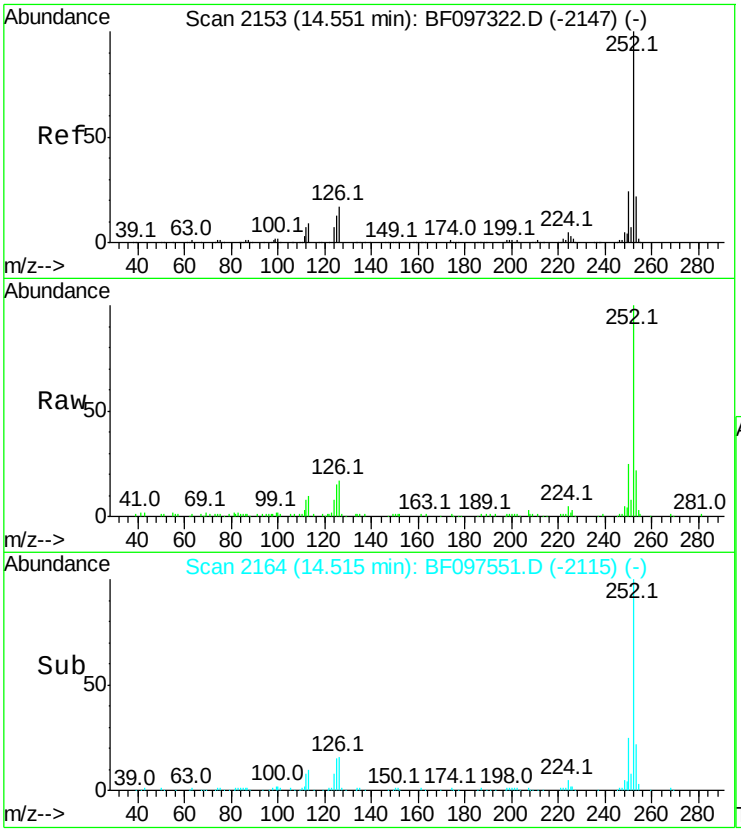


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:264 Resp: 189722

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.7	17.2	25.8





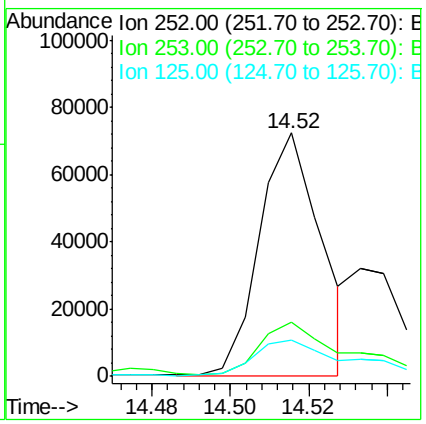
#87
Benzo(b)fluoranthene
Concen: 6.958 ng m
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

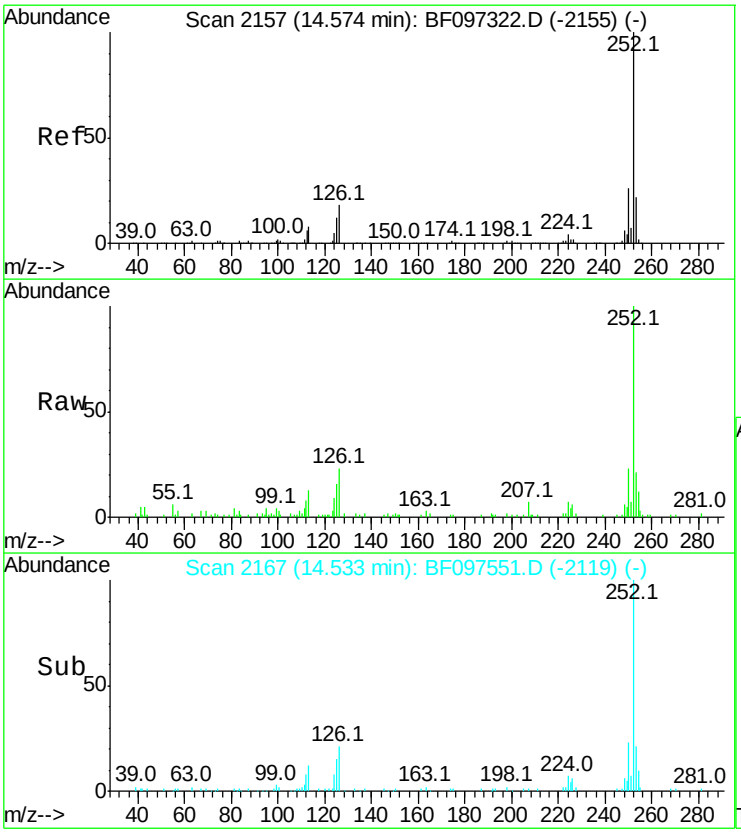
Tgt Ion:252 Resp: 79353

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	15.1	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
Sohil
8/10/2017 6:08:58 PM

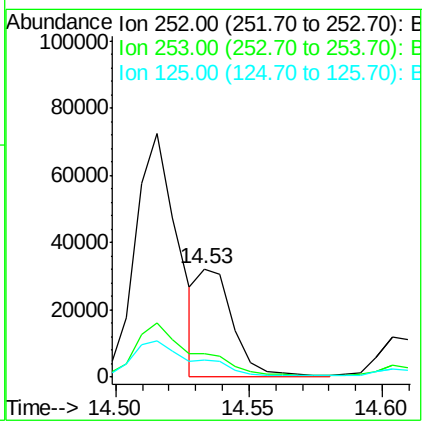


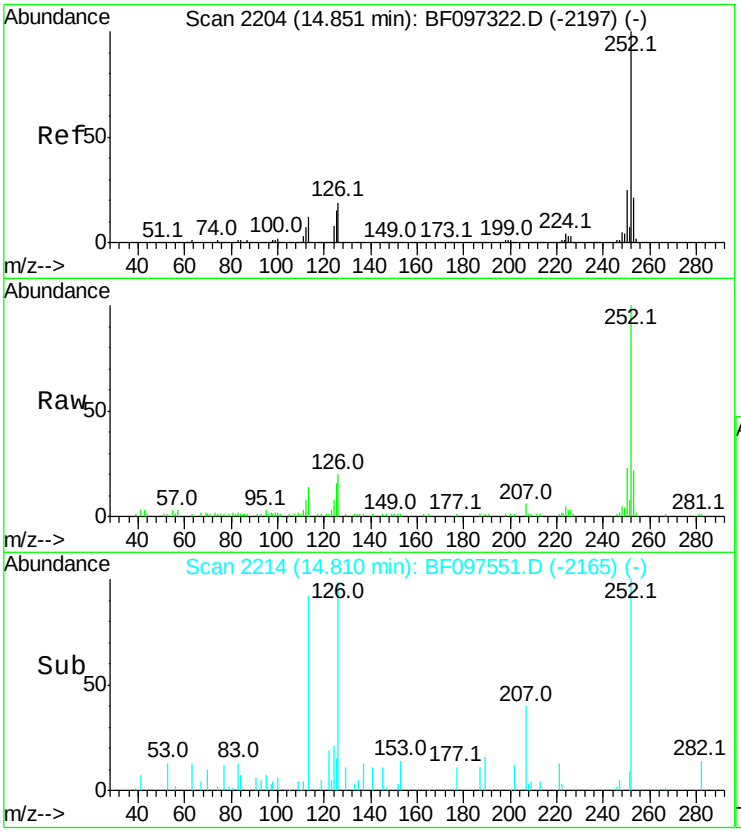


#88
Benzo(k)fluoranthene
Concen: 2.799 ng m
RT: 14.53 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:252 Resp: 30413

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.4	27.6
125	15.8	13.1	19.7





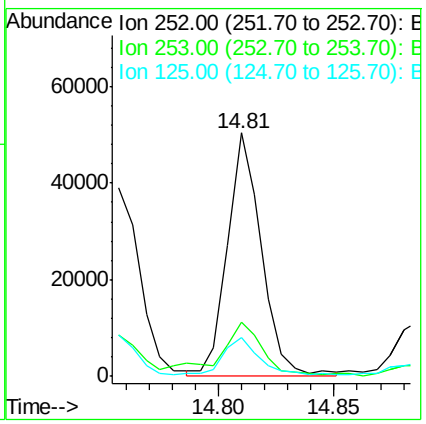
#89
Benzo(a)pyrene
Concen: 4.979 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

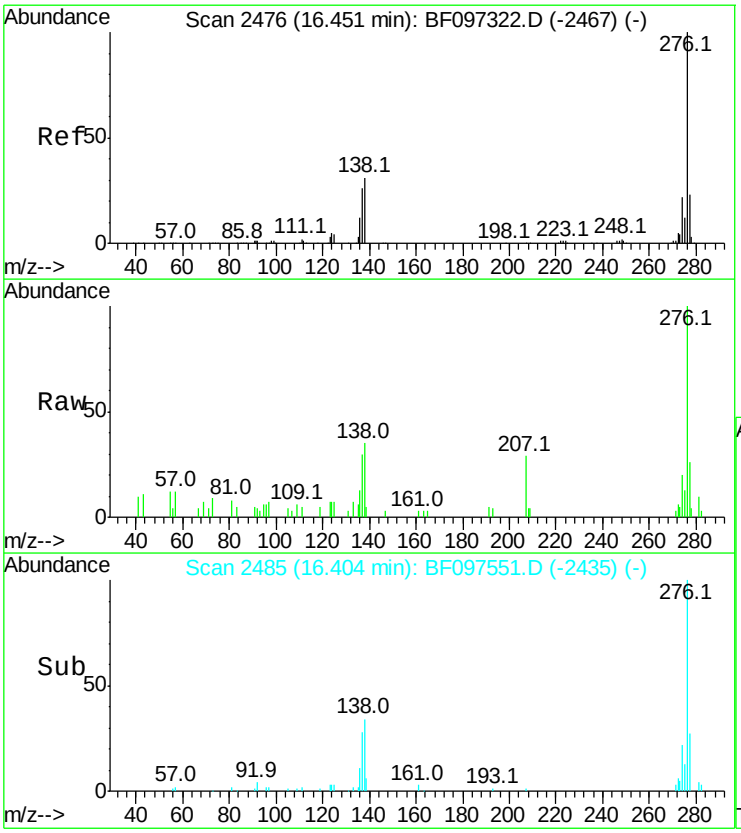
Tgt Ion:252 Resp: 51969

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	16.1	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
E2-F10-ESW

Manual Integrations APPROVED
Sohil
8/10/2017 6:08:58 PM





#91
Benzo(g,h,i)perylene
Concen: 2.641 ng
RT: 16.40 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF097551.D
Acq: 10 Aug 2017 9:48

Tgt Ion:276 Resp: 23707

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	34.7	25.4	38.0