Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104779.D
Acq On : 25 Apr 2018 4:11
Operator : JU/SJ
Sample : J2497-09DL 50X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A2-SB02-E-3.5DL

Manual Integrations APPROVED
Sohil
4/25/2018 4:22:32 PM

Quant Time: Apr 25 04:57:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	90715	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	354596	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	145449	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	239082	20.00	ng		0.00
75) Chrysene-d12	13.99	240	188728	20.00	ng		0.00
86) Perylene-d12	15.46	264	130519	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	741	0.12	ng		0.04
7) Phenol-d6	6.47	99	959	0.13	ng		0.03
23) Nitrobenzene-d5	7.38	82	976	0.18	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	412	0.27	ng		0.00
44) 2-Fluorobiphenyl	9.17	172	2968	0.32	ng		0.00
78) Terphenyl-d14	12.92	244	5050	0.61	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.11	128	63870	3.617	ng		98
48) Acenaphthylene	9.71	152	141911	9.372	ng		99
70) Phenanthrene	11.36	178	164581	12.361	ng		97
71) Anthracene	11.42	178	89723	6.629	ng		99
74) Fluoranthene	12.56	202	382079	27.466	ng		96
77) Pyrene	12.79	202	378982	27.091	ng		99
80) Benzo(a)anthracene	13.97	228	228524m	20.269	ng		
82) Chrysene	14.01	228	198270	17.120	ng		97
85) Indeno(1,2,3-cd)pyrene	16.92	276	103995	10.571	ng	#	90
87) Benzo(b)fluoranthene	15.03	252	243969m	29.596	ng		
88) Benzo(k)fluoranthene	15.06	252	65183m	8.376	ng		
89) Benzo(a)pyrene	15.40	252	173920	23.580	ng		97
90) Dibenzo(a,h)anthracene	16.93	278	31105	5.135	ng	#	76
91) Benzo(g,h,i)perylene	17.37	276	104192	17.753	ng		94

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

Quantitation Report (QT Reviewed)

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Quant Time: Apr 25 04:57:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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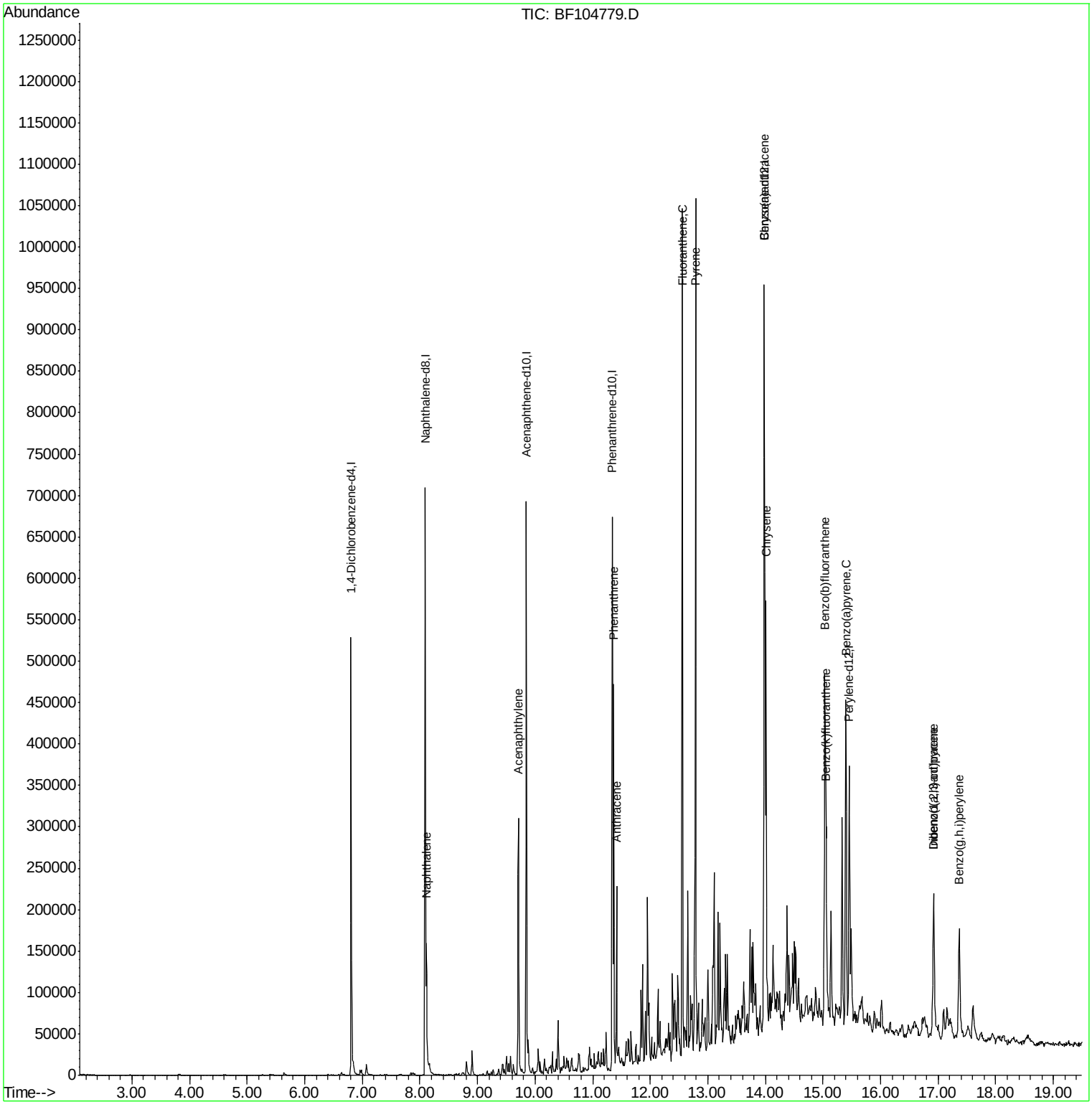
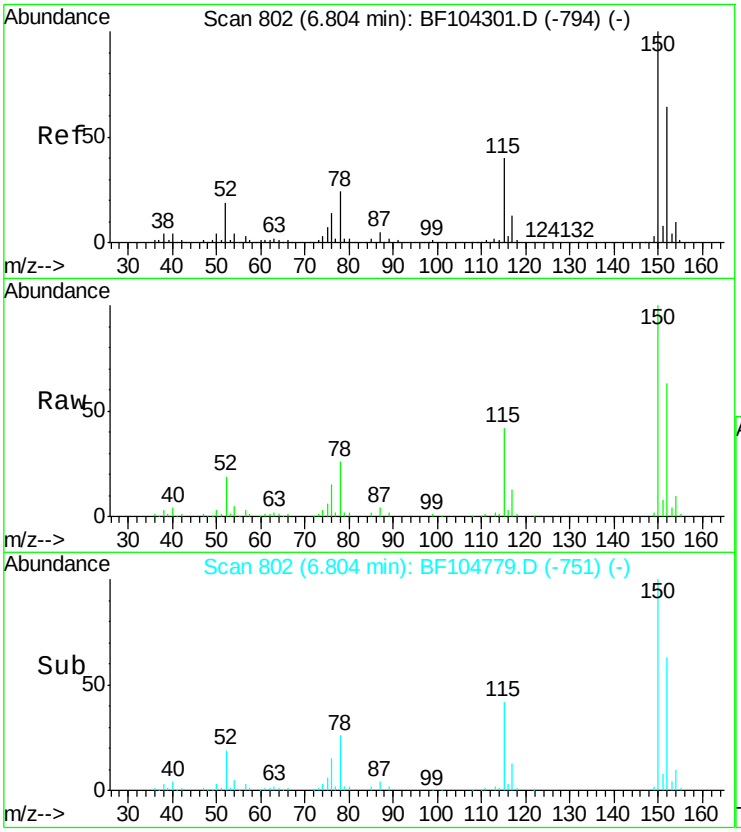
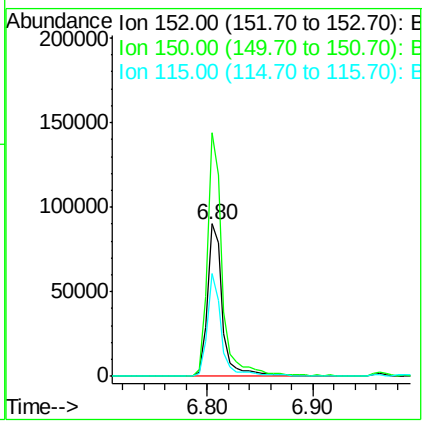




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:152 Resp: 90715

Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	67.2	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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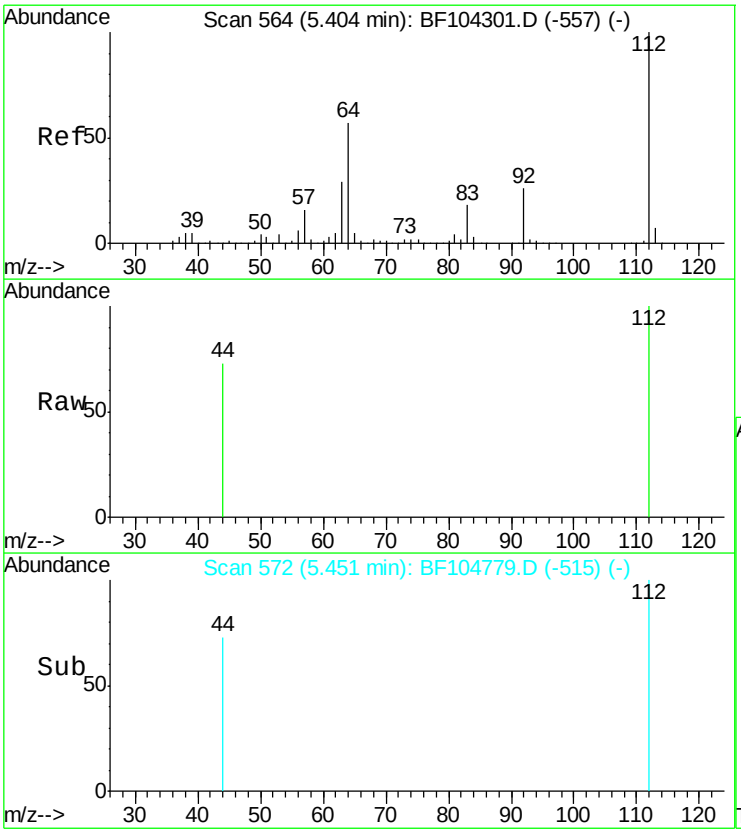
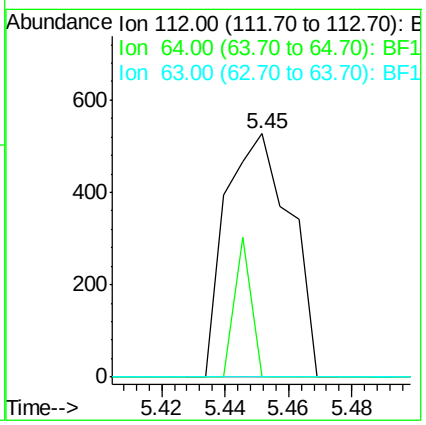
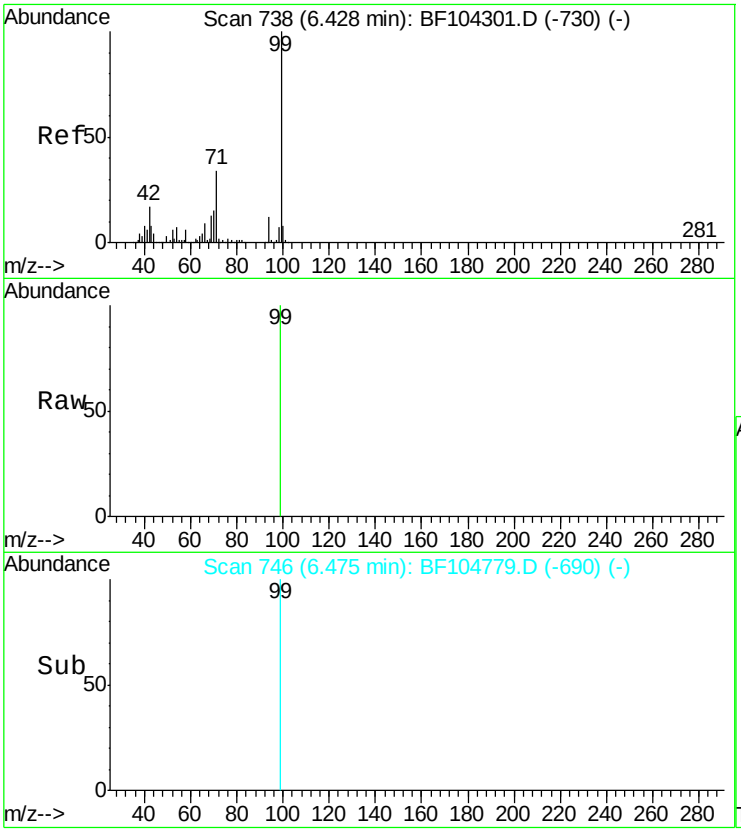


#5
2-Fluorophenol
Concen: 0.125 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.04 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:112 Resp: 741

Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#





#7
Phenol-d6
Concen: 0.132 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.03 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion: 99 Resp: 959

Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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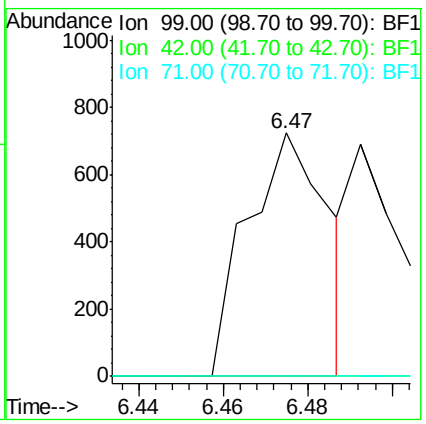
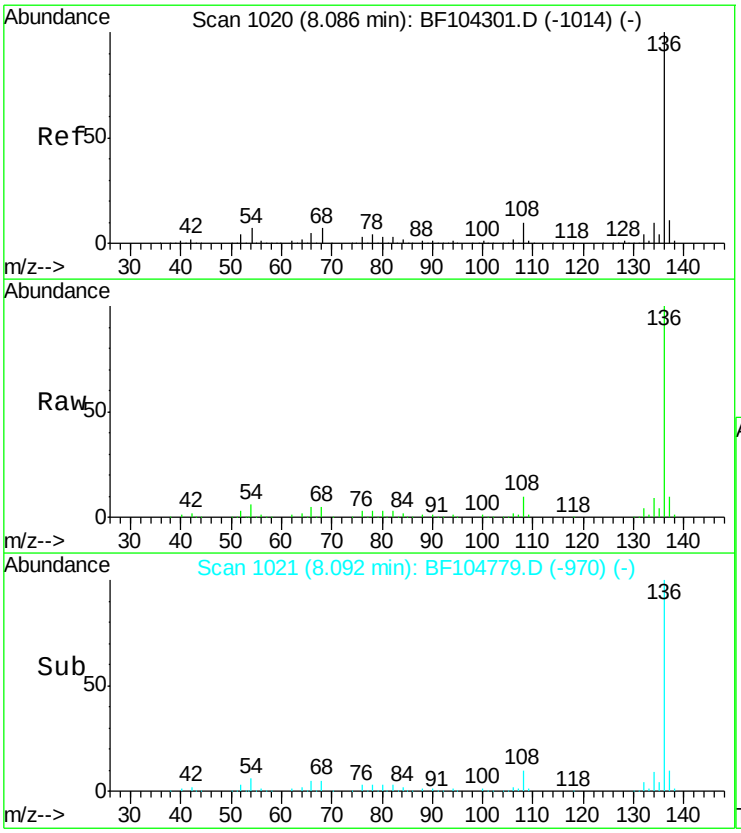
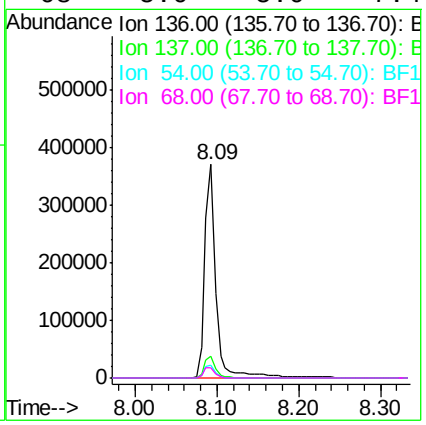


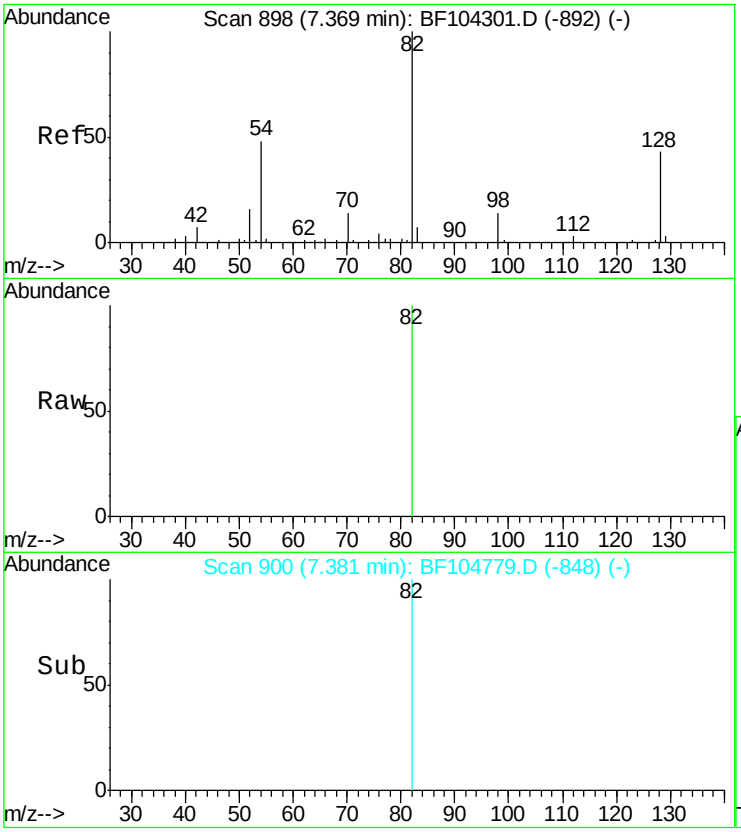


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:136 Resp: 354596

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.0	6.6	9.8#
68	5.0	5.0	7.4





#23
Nitrobenzene-d5
Concen: 0.180 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion: 82 Resp: 976

Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	0.0	41.4	62.2#

Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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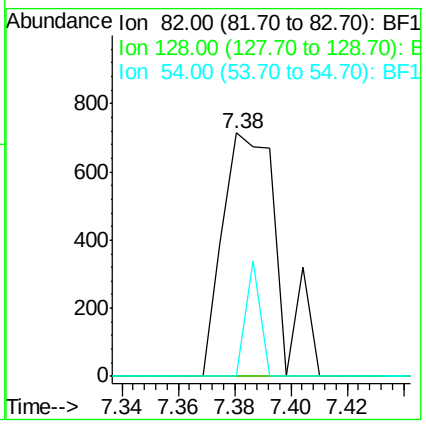
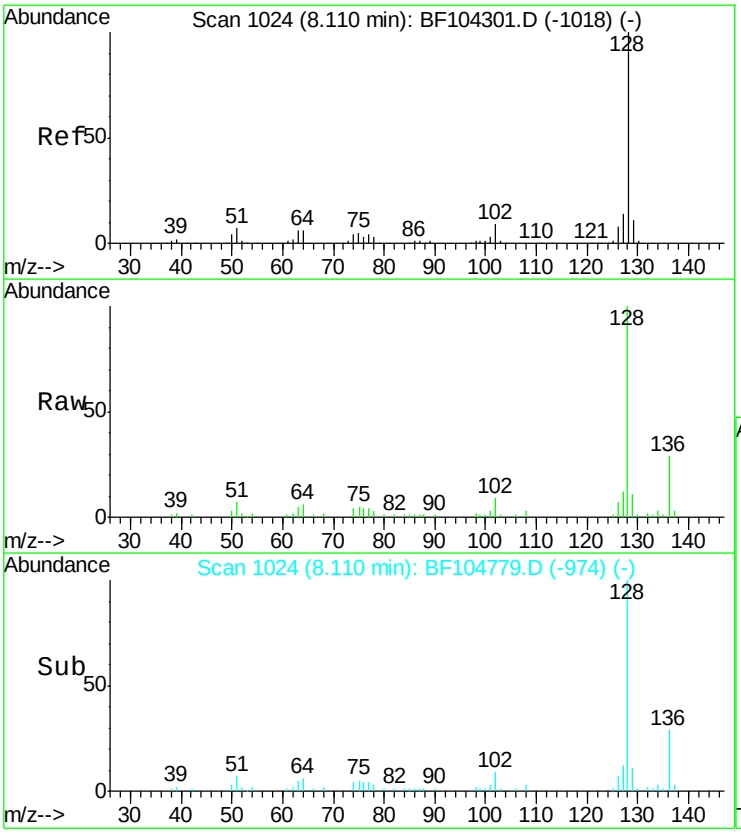
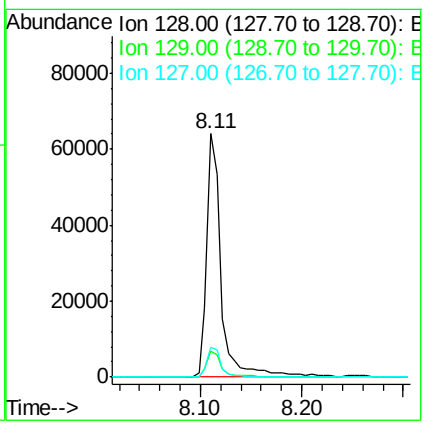


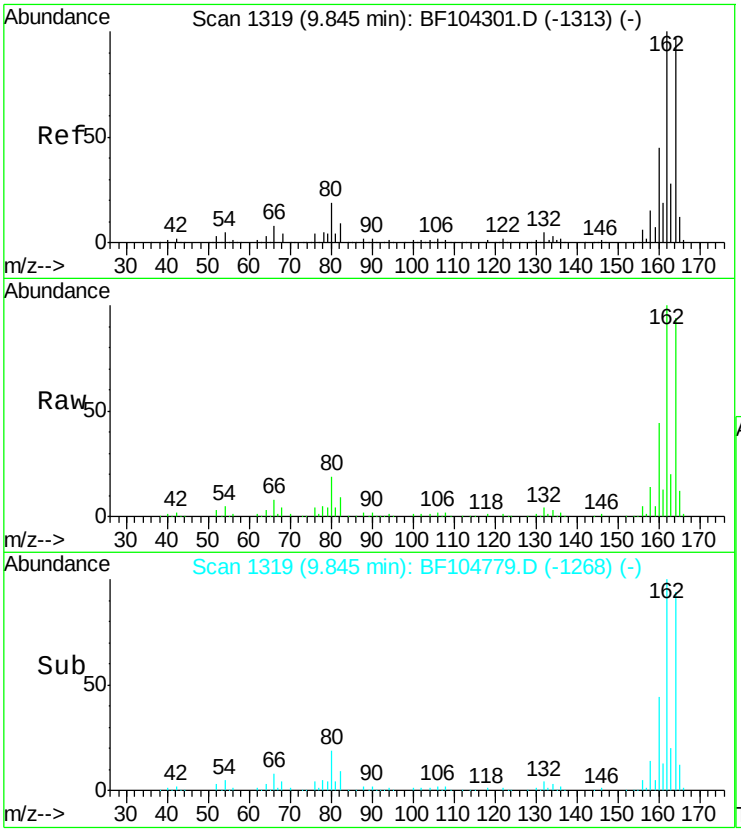


#31
Naphthalene
Concen: 3.617 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:128 Resp: 63870

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.4	10.9	16.3

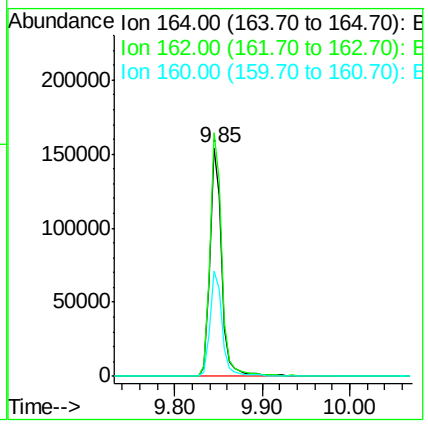




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:164 Resp: 145449

Ion	Ratio	Lower	Upper
164	100		
162	106.5	86.1	129.1
160	46.3	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

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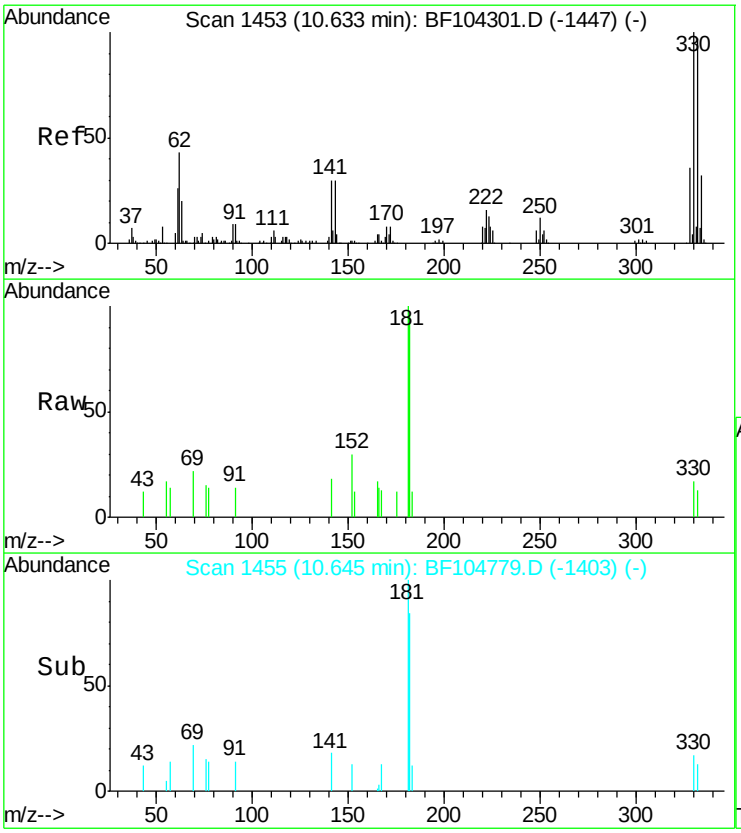
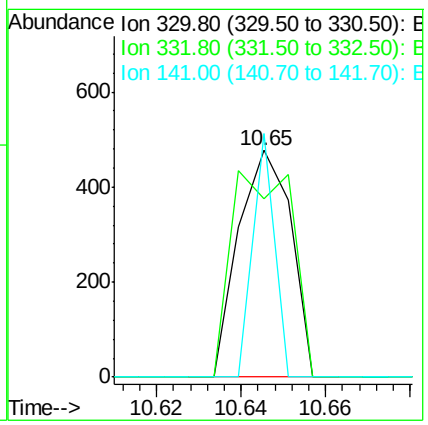
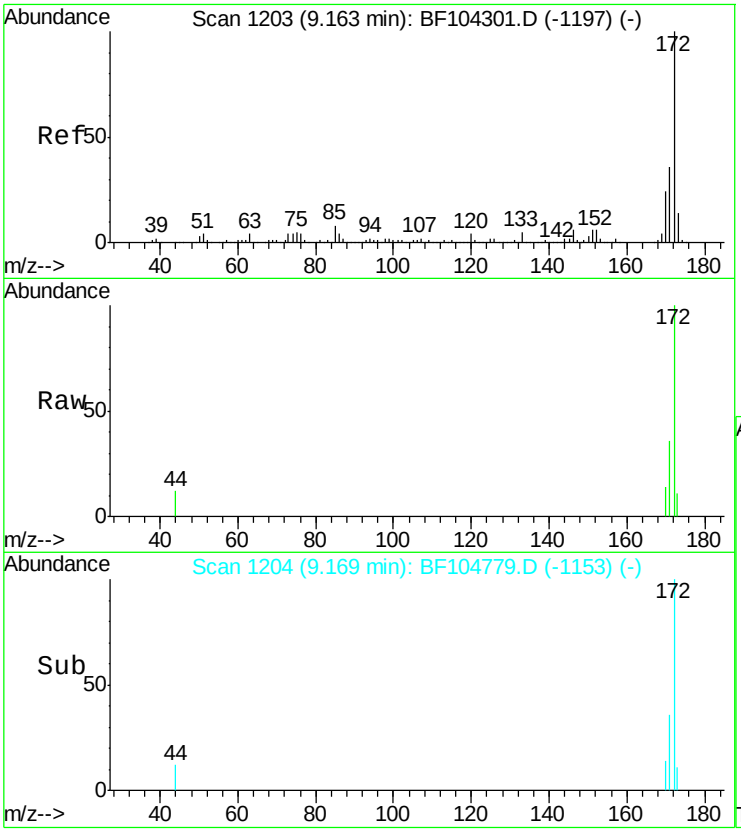


#41
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:330 Resp: 412

Ion	Ratio	Lower	Upper
330	100		
332	105.8	77.0	115.6
141	43.9	29.9	44.9

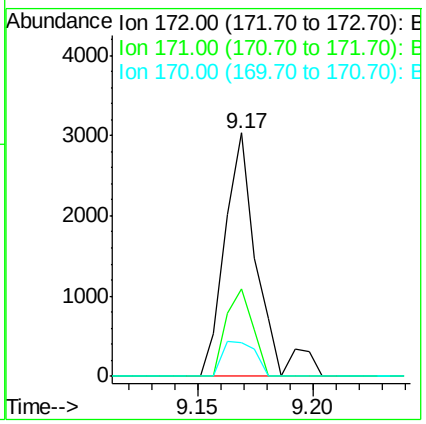




#44
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:172 Resp: 2968

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	13.9	19.6	29.4#



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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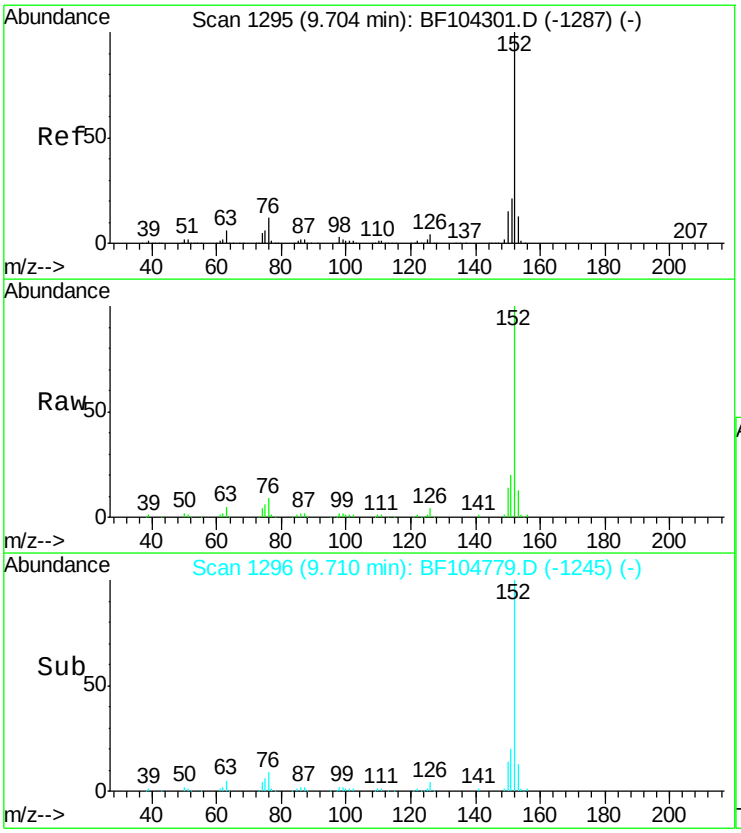
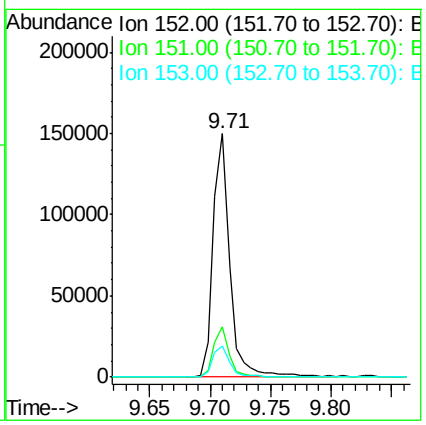
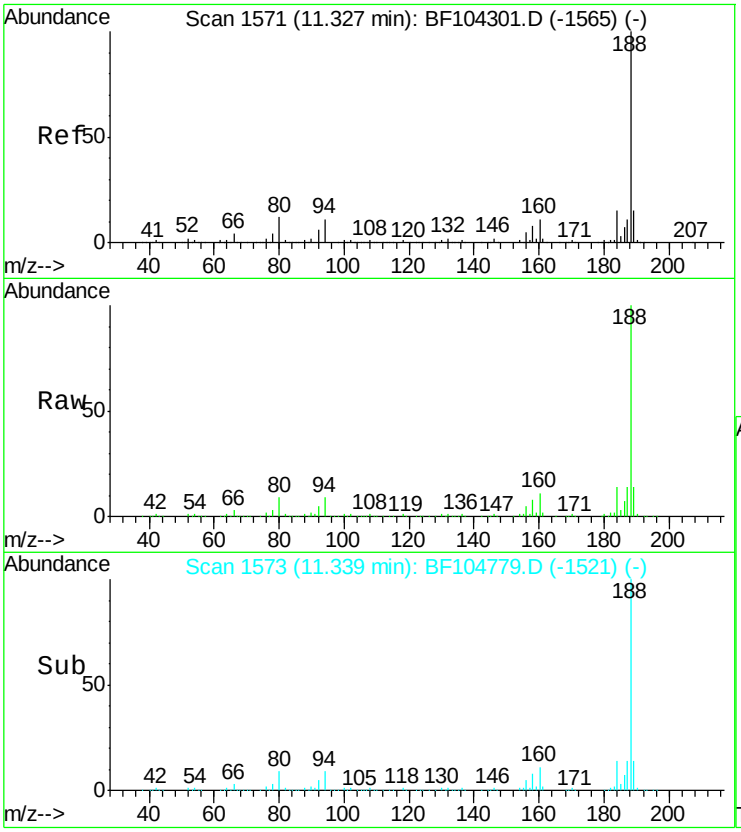


#48
Acenaphthylene
Concen: 9.372 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:152 Resp: 141911

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	12.9	10.7	16.1





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:188 Resp: 239082

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.4	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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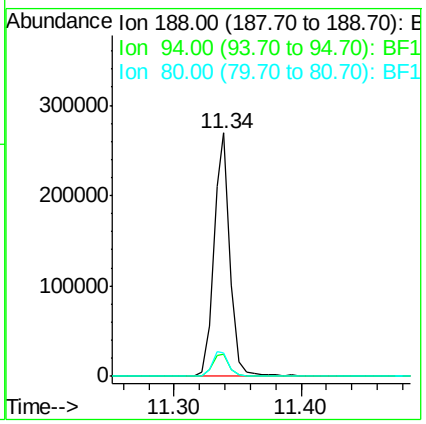
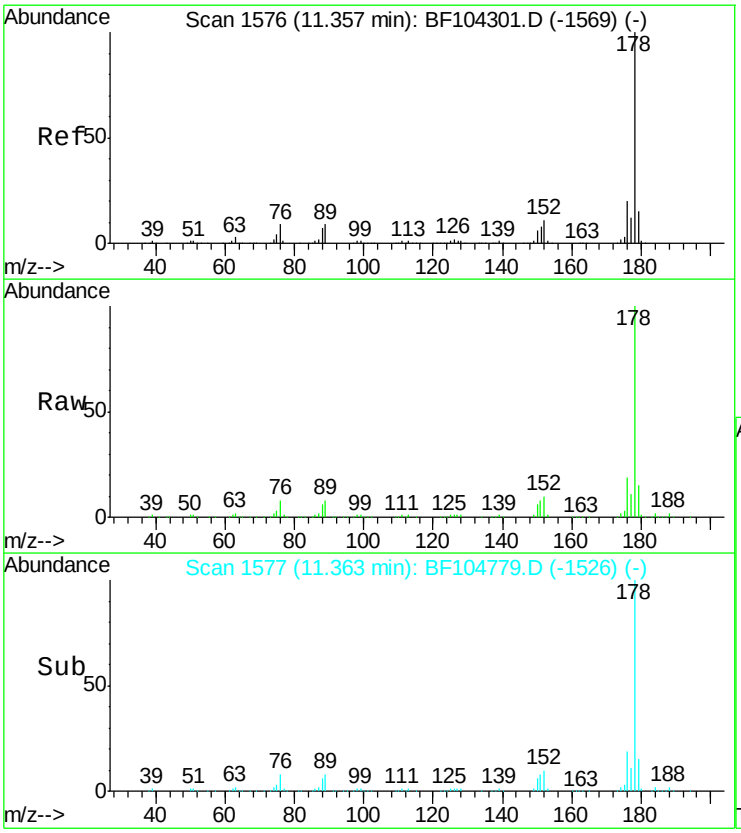
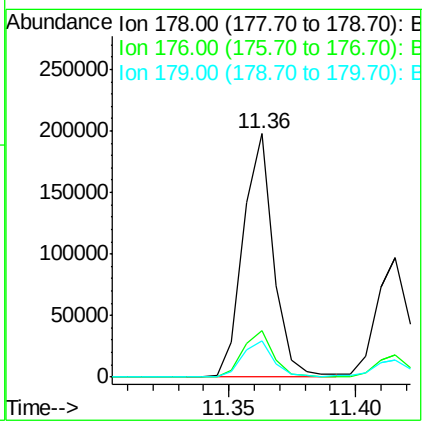


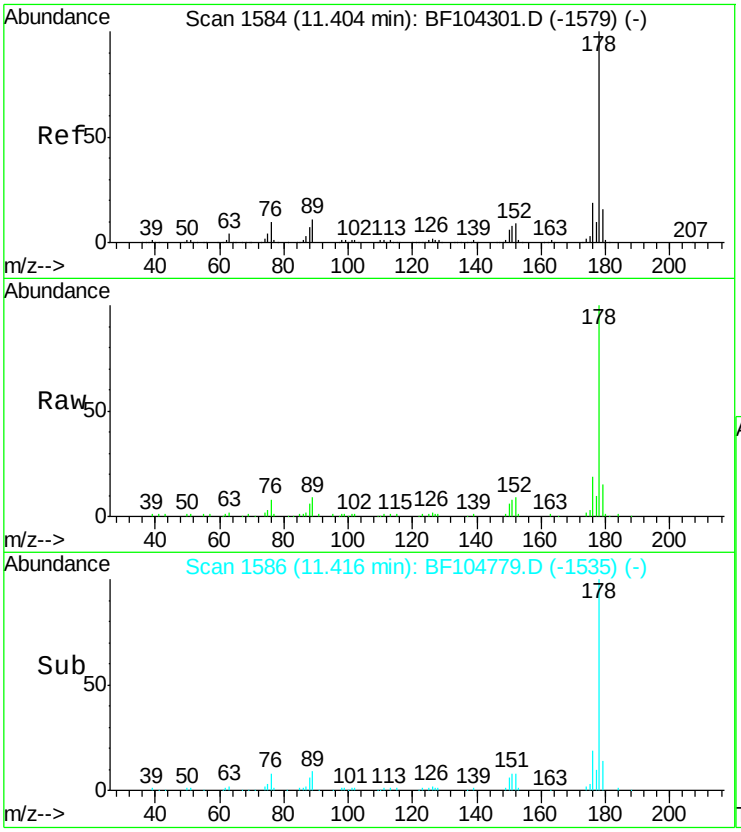


#70
Phenanthrene
Concen: 12.361 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:178 Resp: 164581

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.7	13.0	19.6

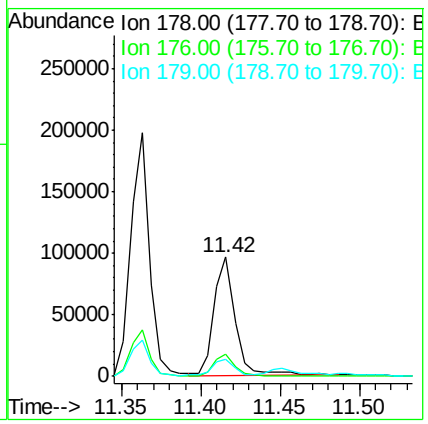




#71
Anthracene
Concen: 6.629 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:178 Resp: 89723

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	14.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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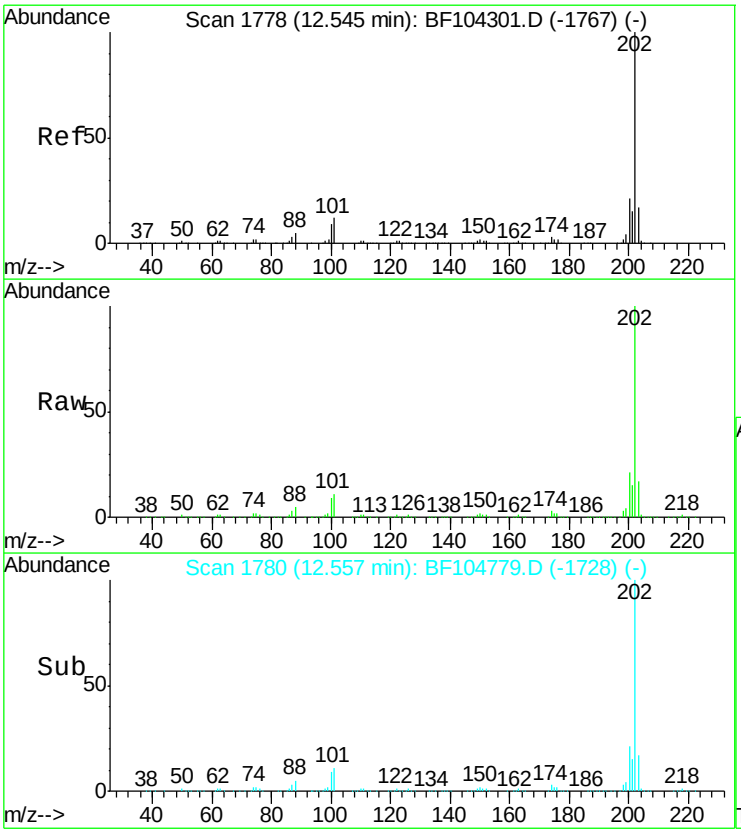
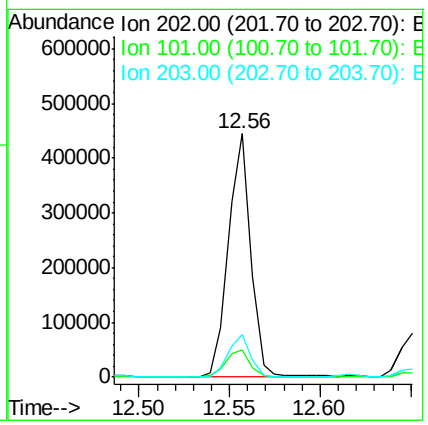
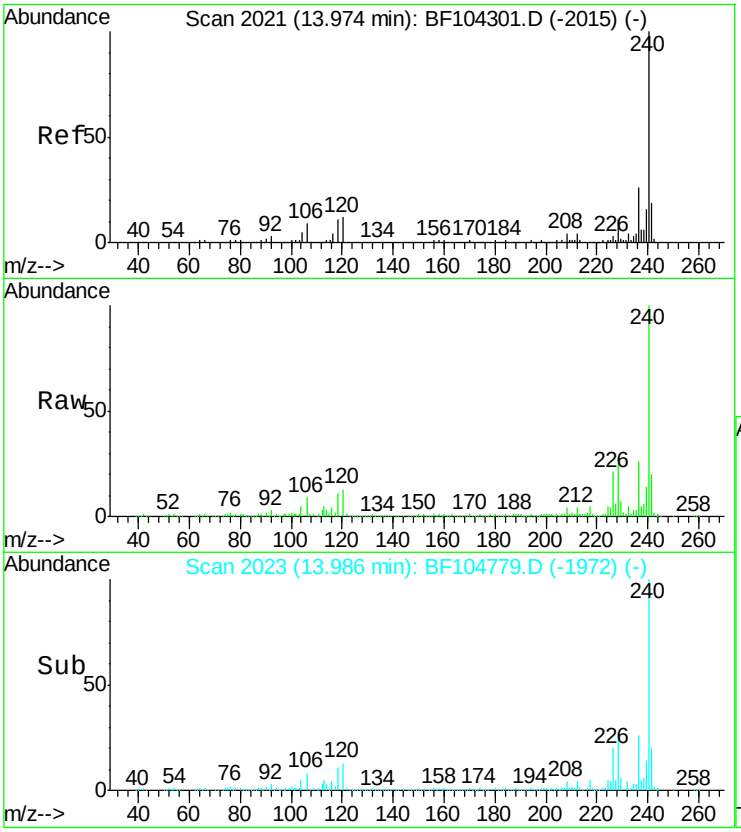


#74
Fluoranthene
Concen: 27.466 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:202 Resp: 382079

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	34.1
203	17.4	0.0	38.1

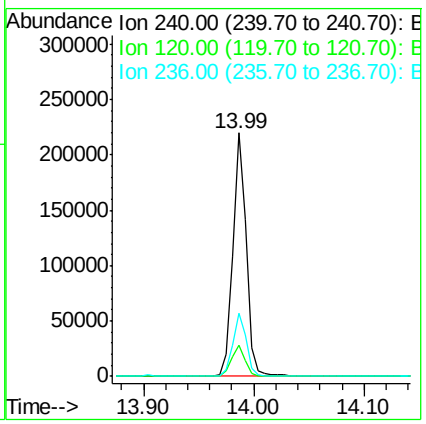




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:240 Resp: 188728

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	26.2	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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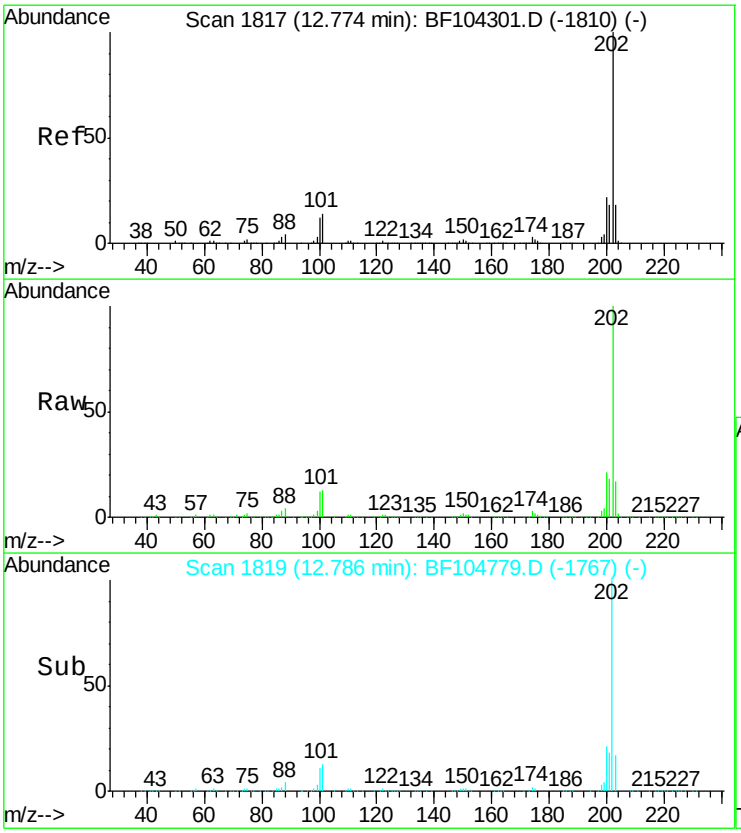
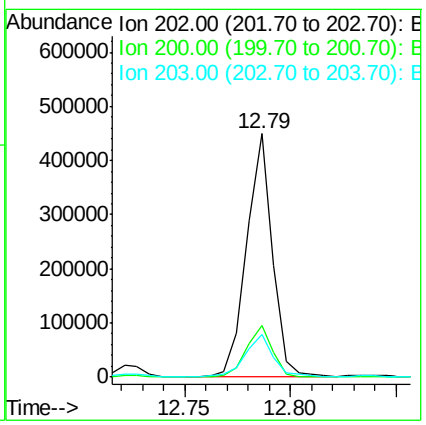
4/25/2018 4:22:32 PM

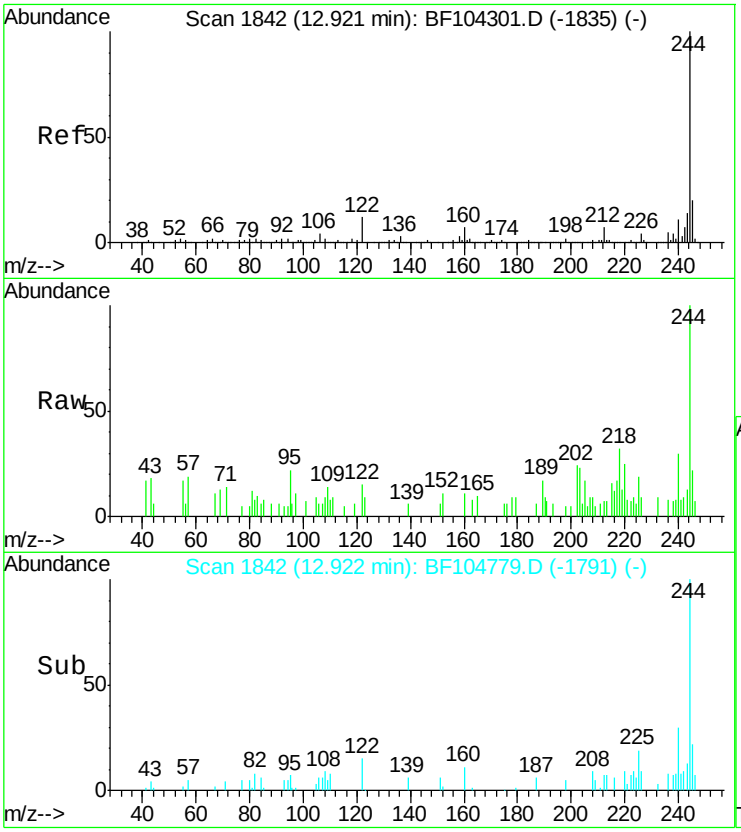


#77
Pyrene
Concen: 27.091 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:202 Resp: 378982

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.4	14.3	21.5

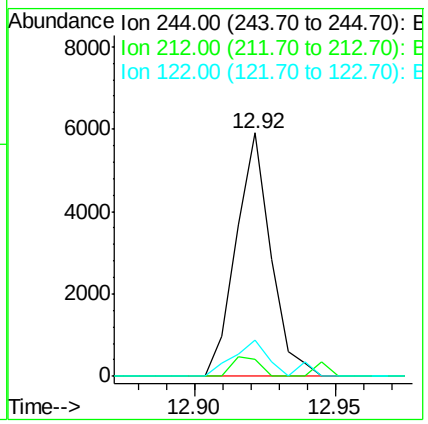




#78
Terphenyl-d14
Concen: 0.610 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:244 Resp: 5050

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	14.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

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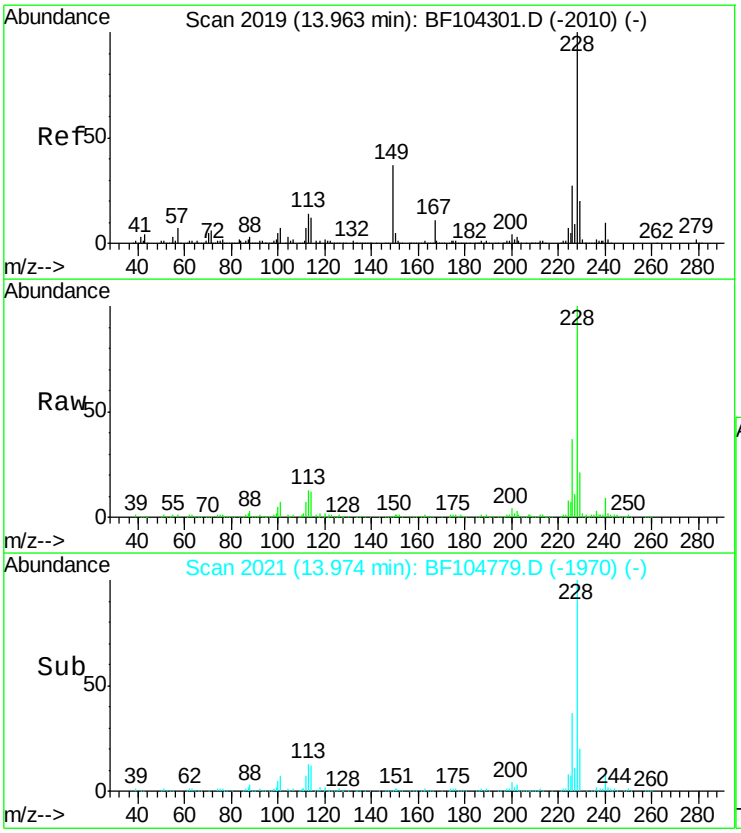
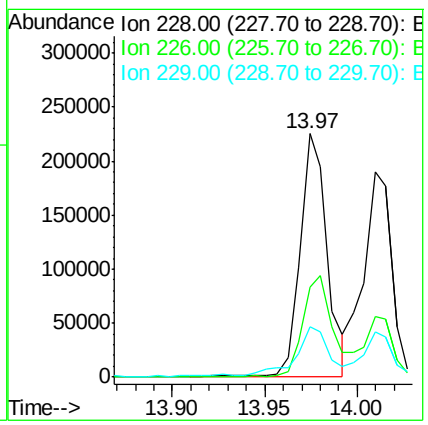
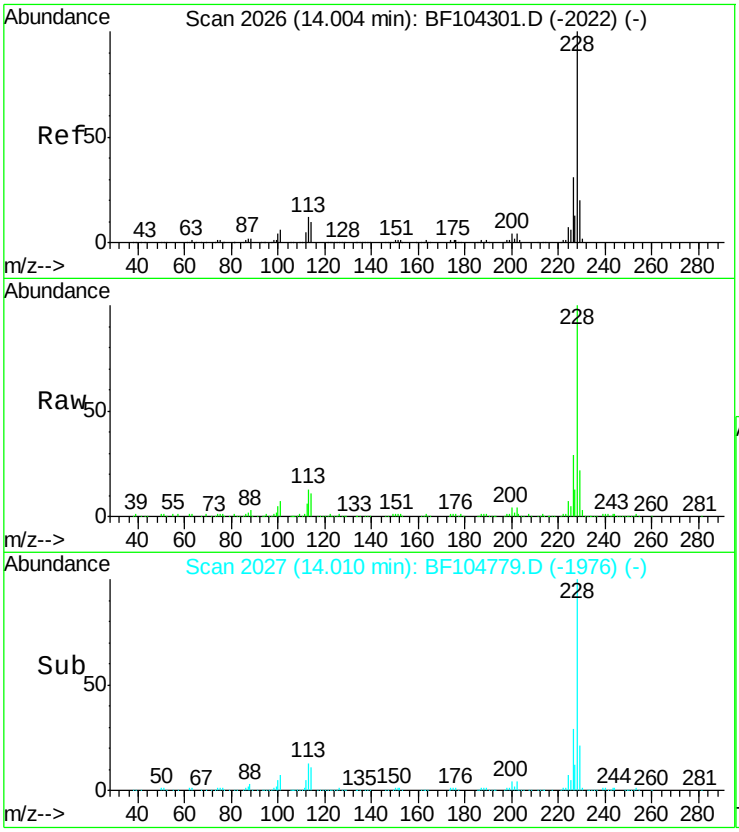


#80
Benzo(a)anthracene
Concen: 20.269 ng m
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:228 Resp: 228524

Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.6	33.8#
229	20.9	15.8	23.6

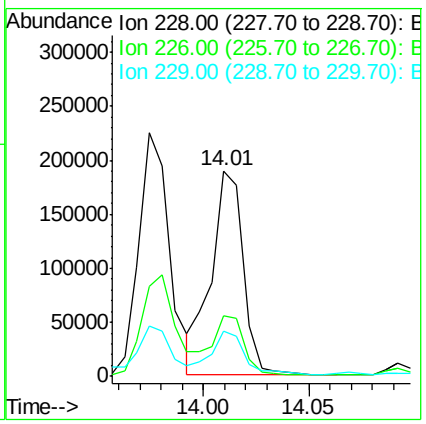




#82
Chrysene
Concen: 17.120 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:228 Resp: 198270

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.7	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

Manual Integrations APPROVED
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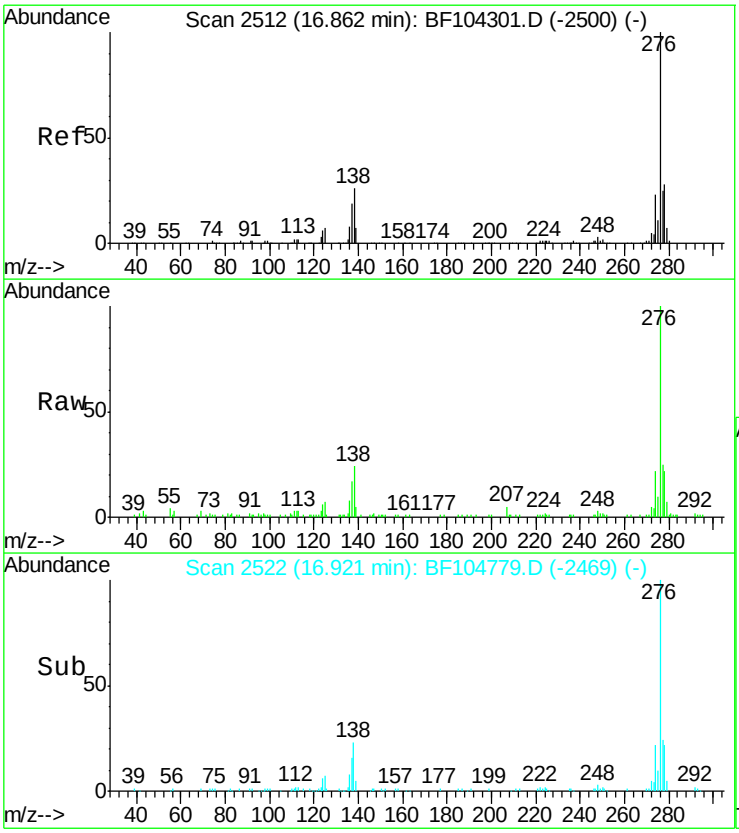
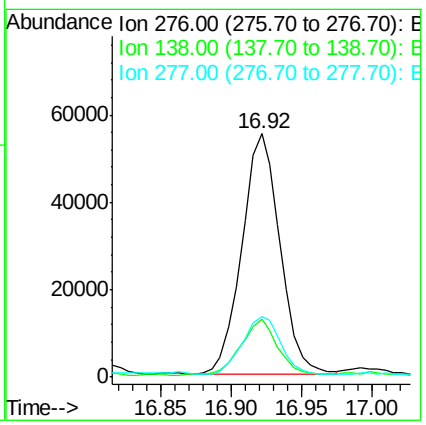
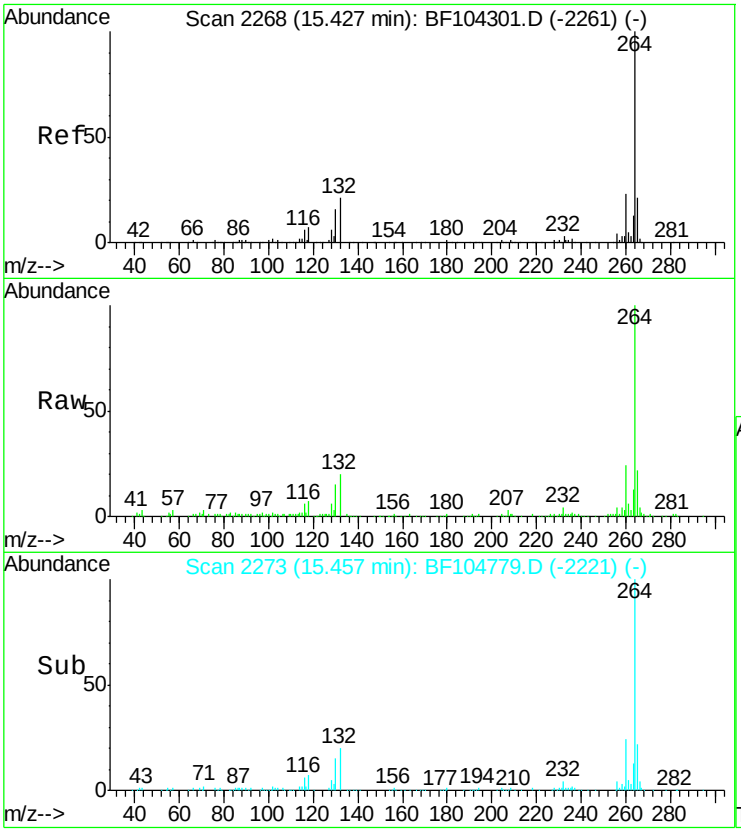


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.571 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:276 Resp: 103995

Ion	Ratio	Lower	Upper
276	100		
138	22.1	25.0	37.6#
277	24.3	20.1	30.1

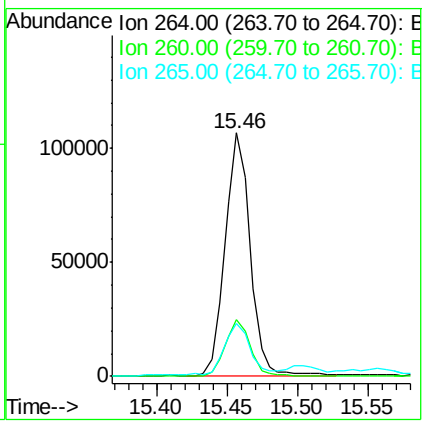




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:264 Resp: 130519

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

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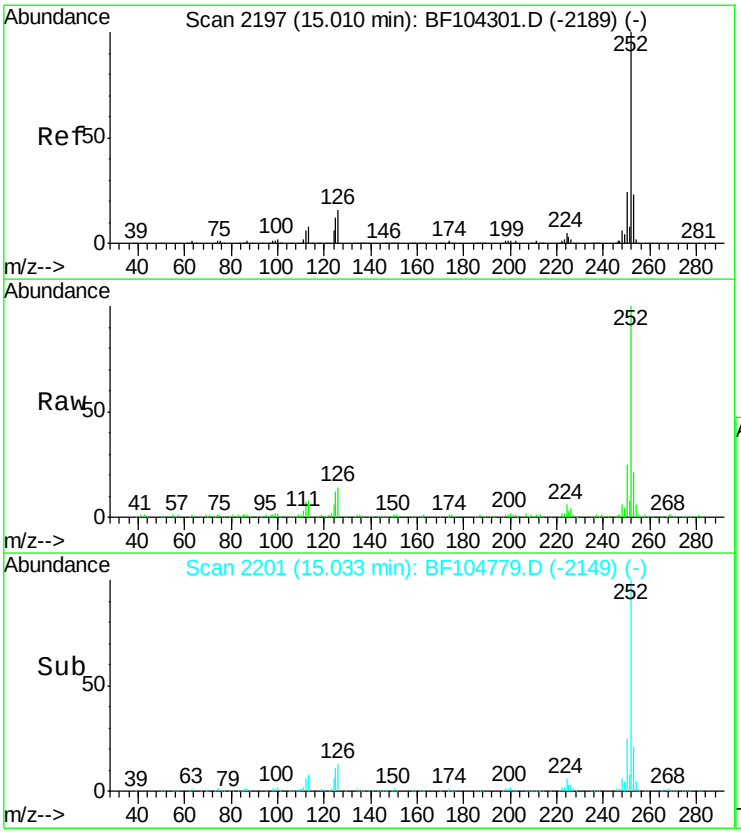
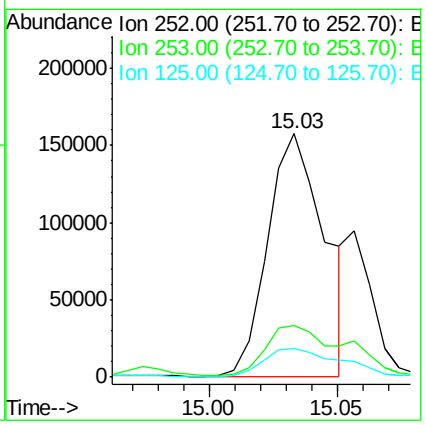
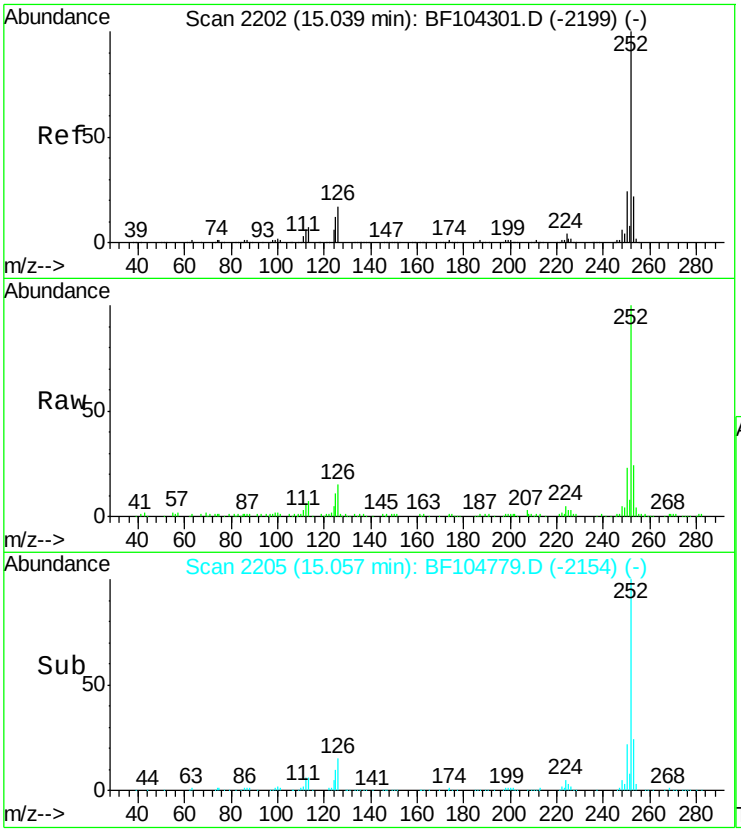


#87
Benzo(b)fluoranthene
Concen: 29.596 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:252 Resp: 243969

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	11.8	9.0	13.6

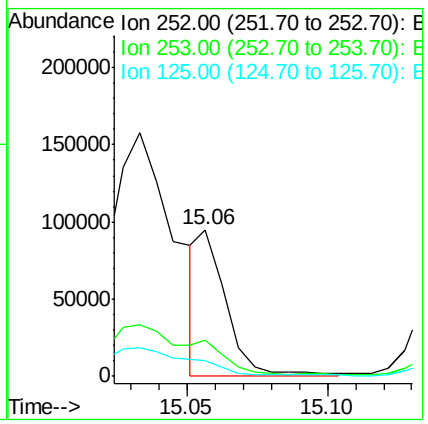




#88
Benzo(k)fluoranthene
Concen: 8.376 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:252 Resp: 65183

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	10.9	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

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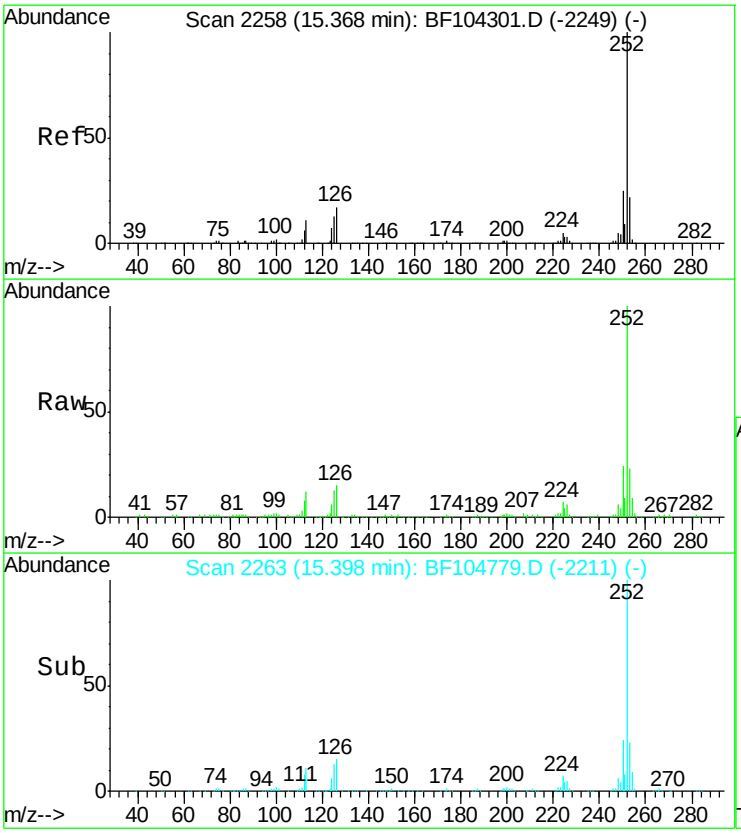
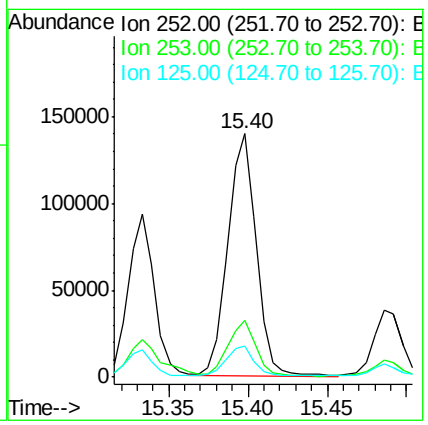
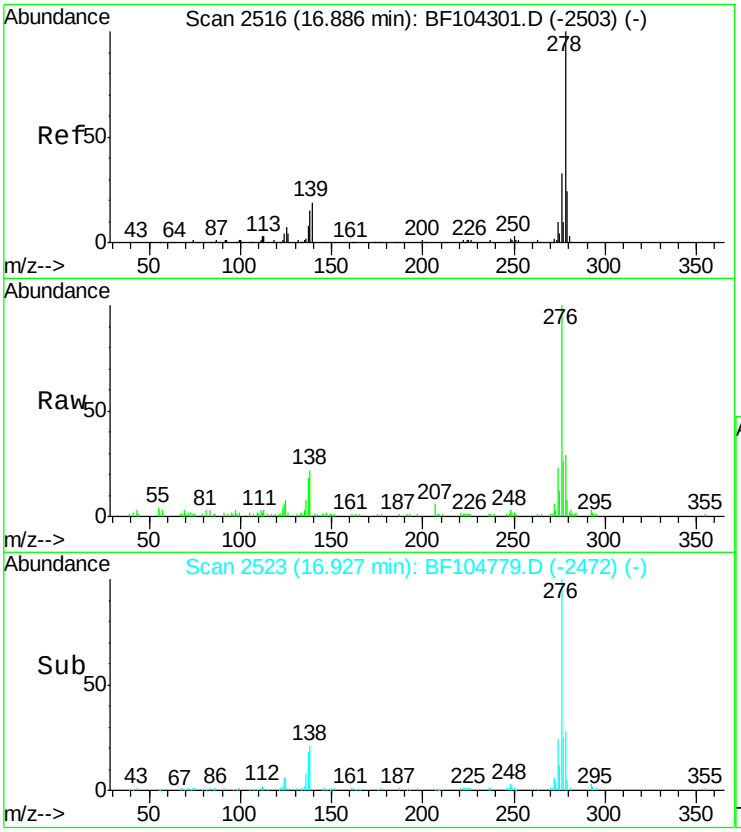


#89
Benzo(a)pyrene
Concen: 23.580 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:252 Resp: 173920

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.9	9.8	14.6





#90
Dibenzo(a,h)anthracene
Concen: 5.135 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:278 Resp: 31105

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.2	19.0	28.4

Instrument :
BNA_F
ClientSampleId :
A2-SB02-E-3.5DL

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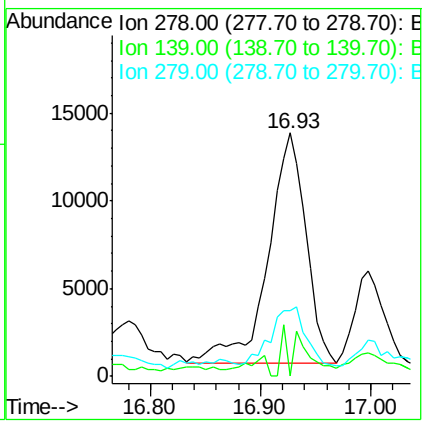

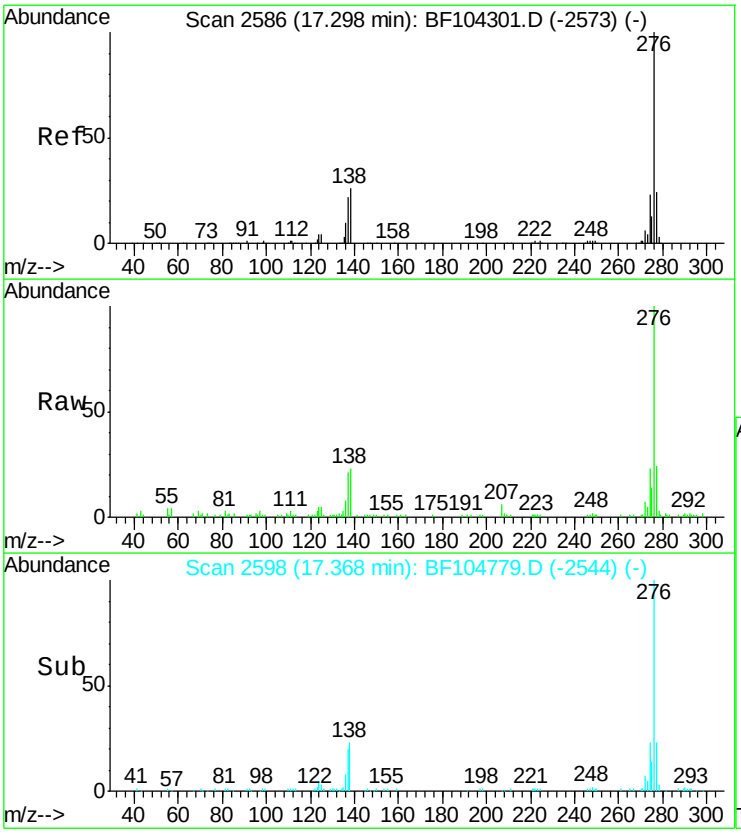

#91
Benzo(g,h,i)perylene
Concen: 17.753 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BF104779.D
Acq: 25 Apr 2018 4:11

Tgt Ion:276 Resp: 104192

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	23.2	21.8	32.8