Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100957.D
Acq On : 29 Nov 2017 2:36
Operator : SJ/JU
Sample : I6579-10
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
Sohil
11/29/2017 4:29:23 PM

Quant Time: Nov 29 08:07:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 15:21:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	64652	20.00	ng		0.00
21) Naphthalene-d8	8.14	136	230733	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	95012	20.00	ng		0.00
63) Phenanthrene-d10	11.38	188	153706	20.00	ng		0.00
75) Chrysene-d12	14.03	240	147813	20.00	ng		0.00
86) Perylene-d12	15.50	264	114679	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	369444	91.60	ng		0.00
7) Phenol-d6	6.49	99	442189	88.91	ng		0.00
23) Nitrobenzene-d5	7.42	82	265422	76.05	ng		0.00
41) 2,4,6-Tribromophenol	10.69	330	92194	95.22	ng		0.00
44) 2-Fluorobiphenyl	9.22	172	531799	85.23	ng		0.00
78) Terphenyl-d14	12.97	244	433209	67.34	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.50	94	10732	2.056	ng	#	72
49) Dimethylphthalate	9.60	163	30072	4.145	ng	#	98
51) Acenaphthene	9.93	154	19964	3.323	ng		98
57) Fluorene	10.44	166	27956	4.531	ng		98
70) Phenanthrene	11.41	178	317779	39.267	ng		98
71) Anthracene	11.46	178	109243	13.305	ng		98
74) Fluoranthene	12.60	202	468169	54.585	ng		93
77) Pyrene	12.83	202	486557	46.177	ng		99
80) Benzo(a)anthracene	14.02	228	246372	27.678	ng		99
82) Chrysene	14.05	228	216647	25.134	ng		97
85) Indeno(1,2,3-cd)pyrene	16.98	276	75125	10.775	ng	#	89
87) Benzo(b)fluoranthene	15.07	252	198005m	29.144	ng		
88) Benzo(k)fluoranthene	15.10	252	75409m	11.747	ng		
89) Benzo(a)pyrene	15.44	252	148018	24.575	ng		96
90) Dibenzo(a,h)anthracene	16.99	278	18064	3.667	ng	#	90
91) Benzo(g,h,i)perylene	17.43	276	73228	15.187	ng		94

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

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HAR-2-E(4-5)

Manual Integrations APPROVED
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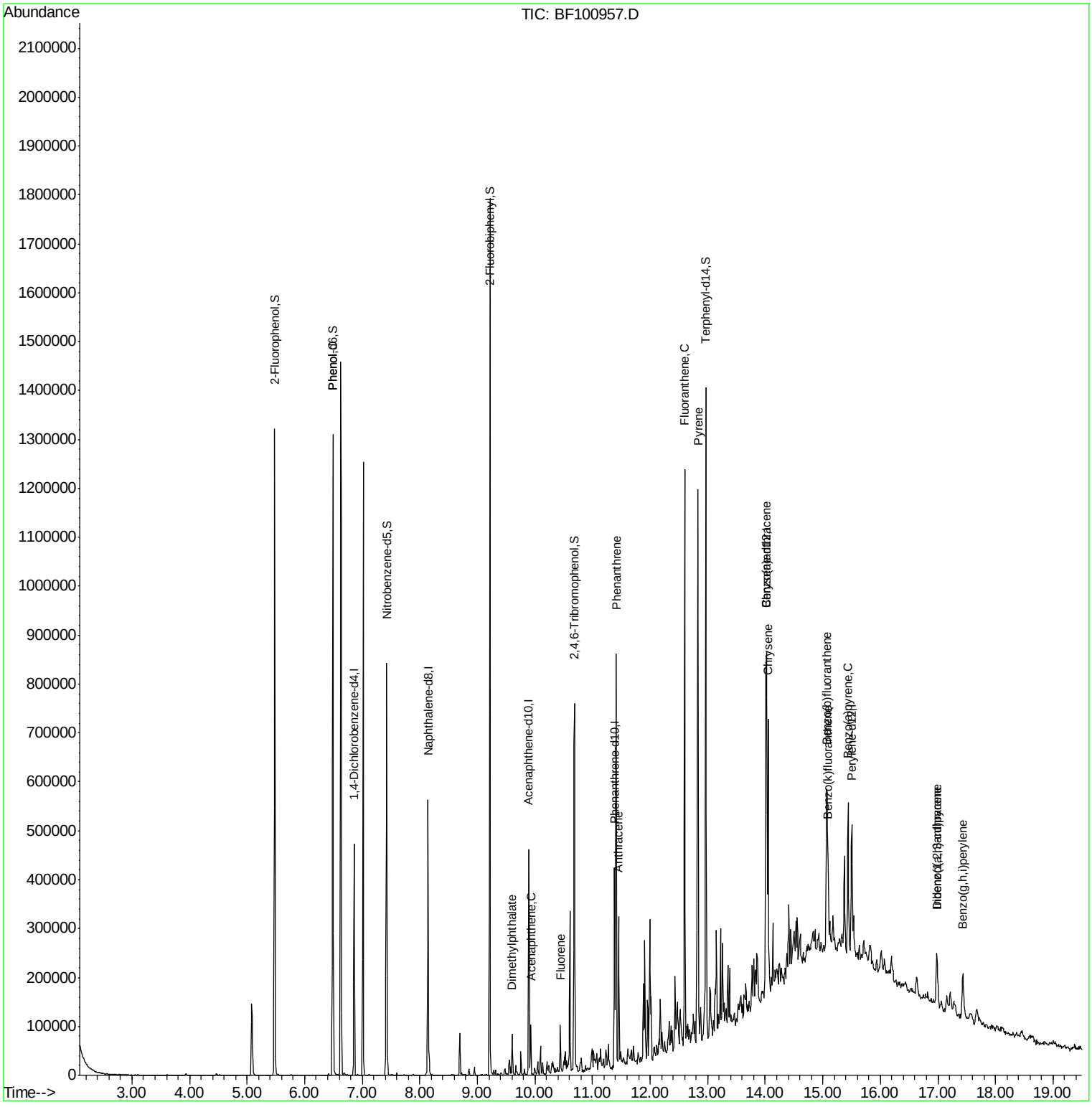
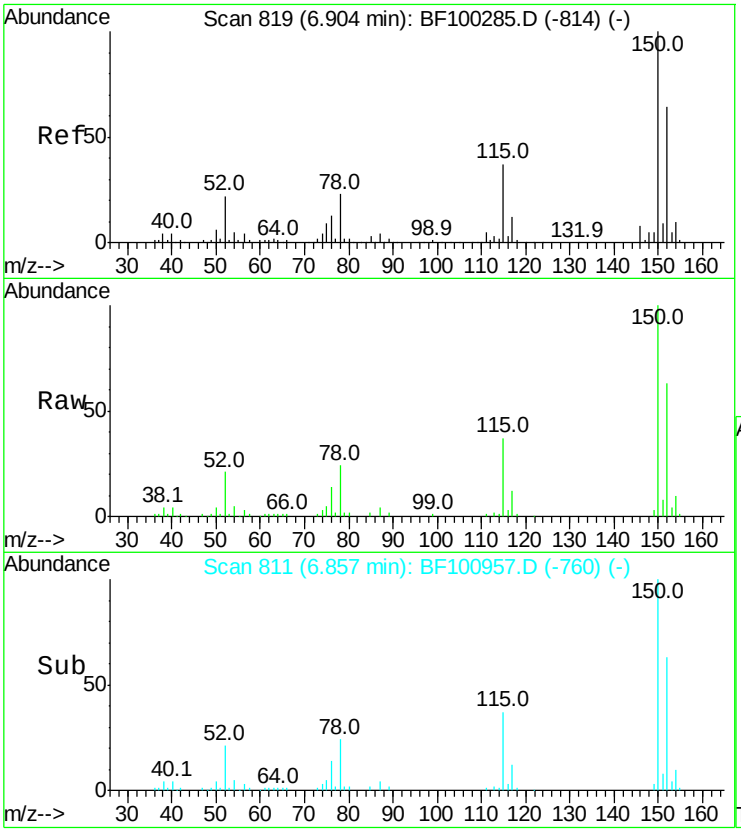
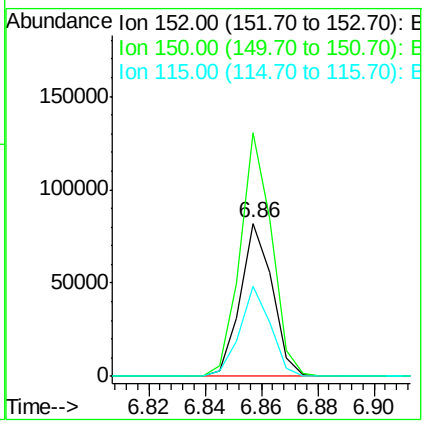




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:152 Resp: 64652

Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	58.4	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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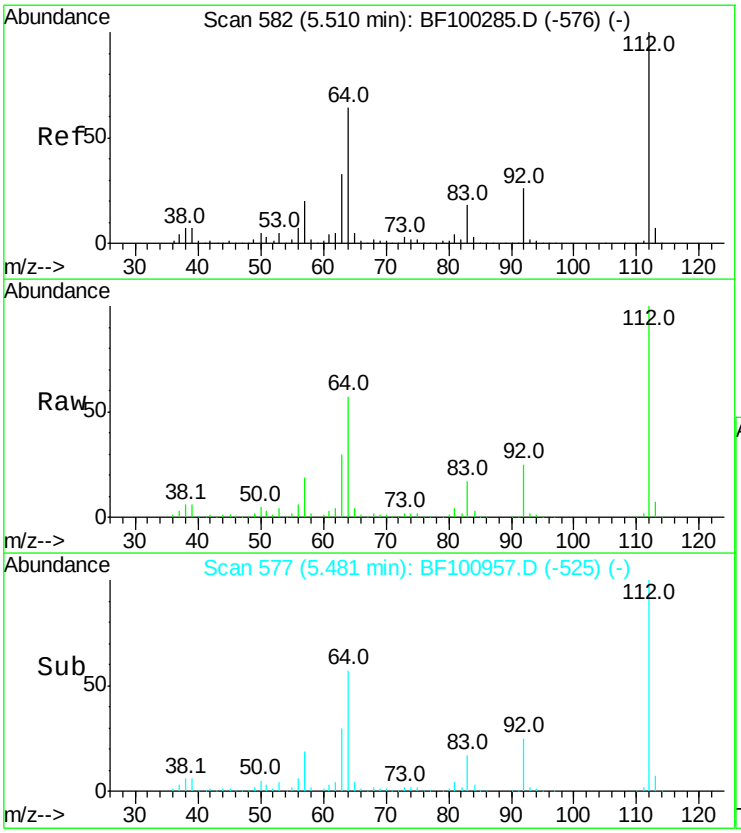
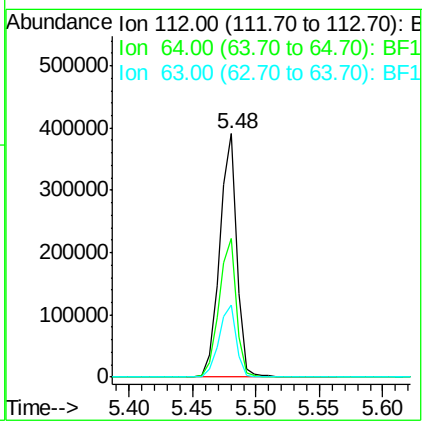
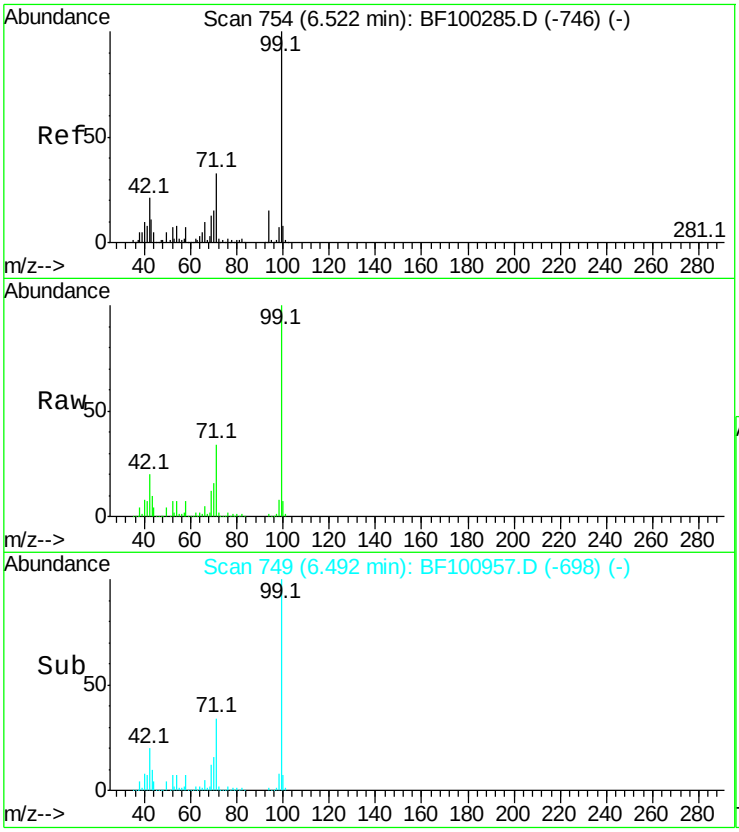


#5
2-Fluorophenol
Concen: 91.600 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:112 Resp: 369444

Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.7	23.7	35.5

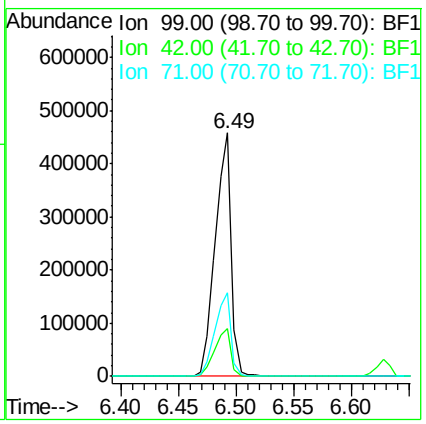




#7
Phenol-d6
Concen: 88.909 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion: 99 Resp: 442189

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	34.2	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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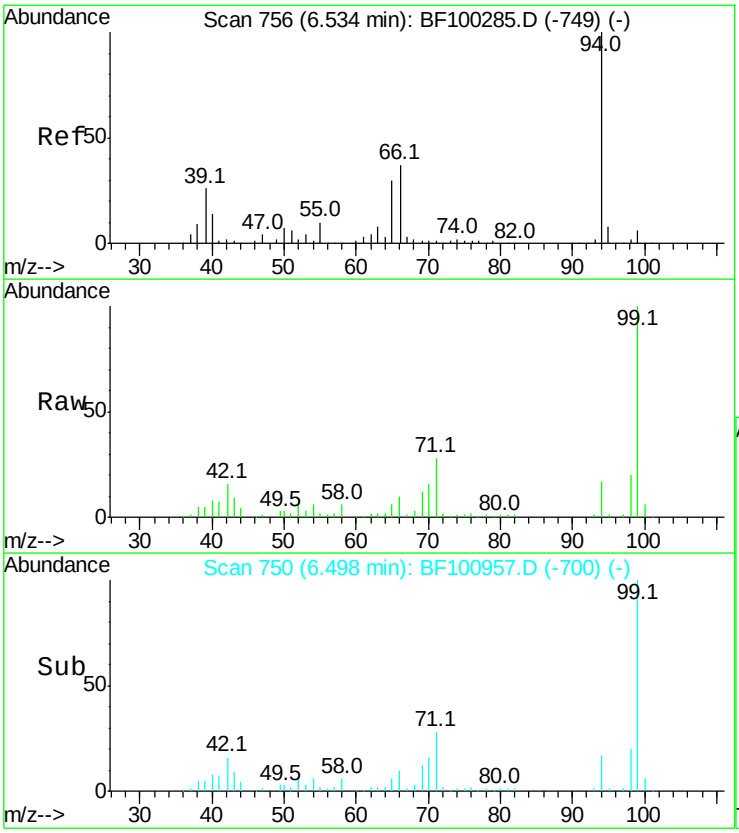
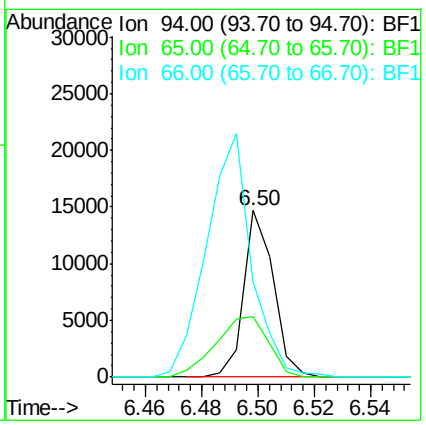
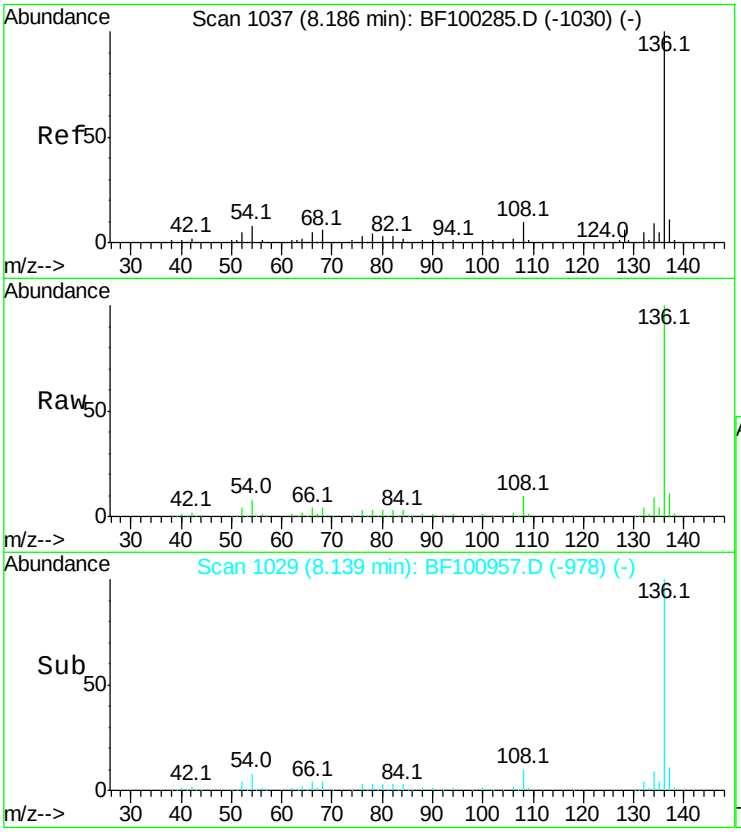


#10
Phenol
Concen: 2.056 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion: 94 Resp: 10732

Ion	Ratio	Lower	Upper
94	100		
65	36.6	7.9	47.9
66	57.5	16.2	56.2#

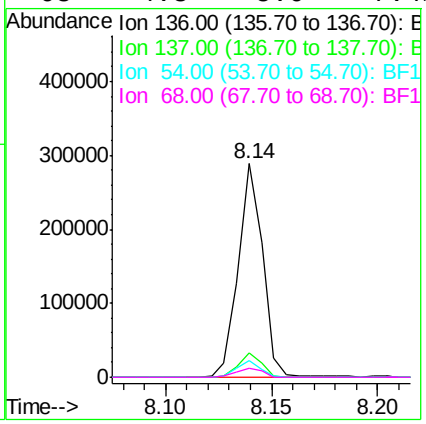




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:136 Resp: 230733

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	4.3	5.0	7.4#



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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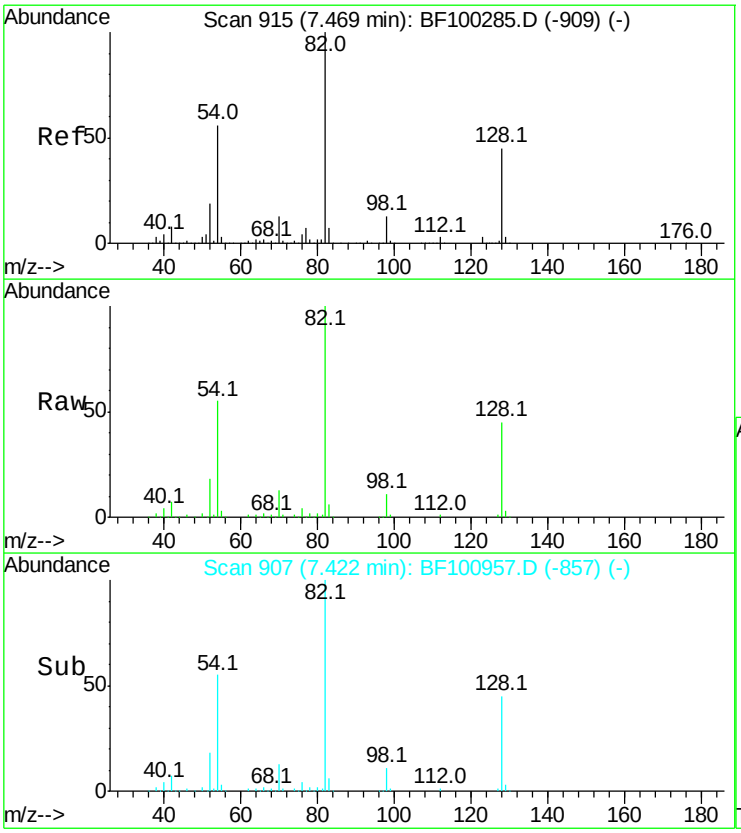
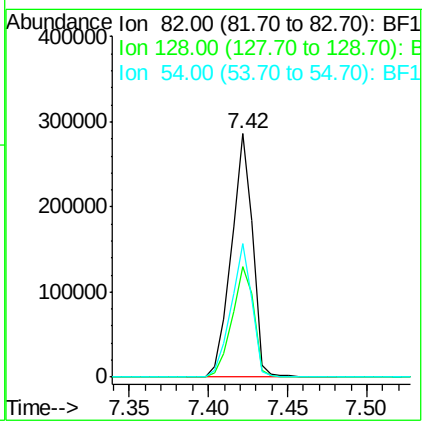
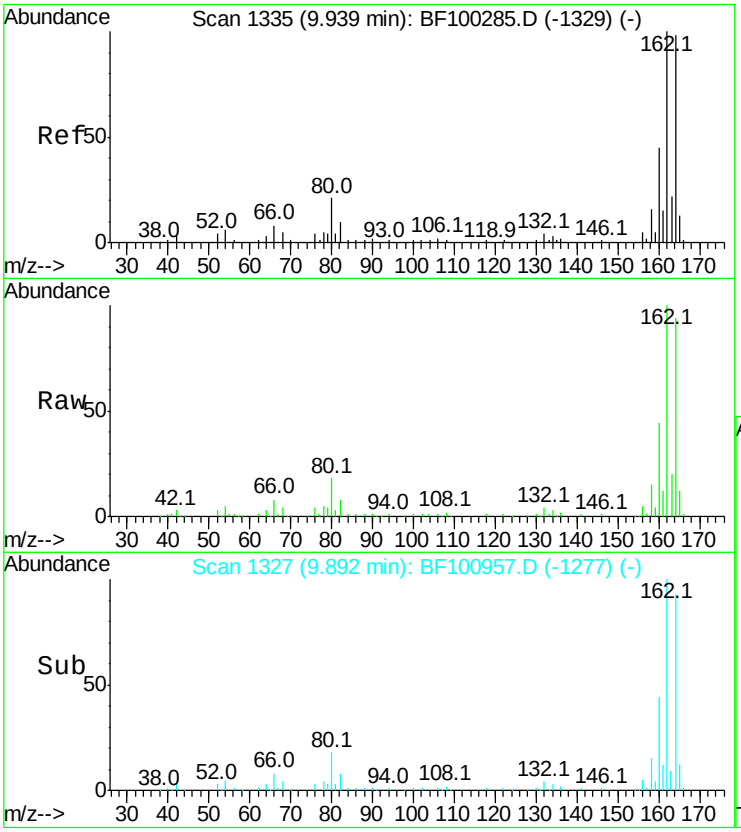


#23
Nitrobenzene-d5
Concen: 76.053 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion: 82 Resp: 265422

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	54.6	41.4	62.2

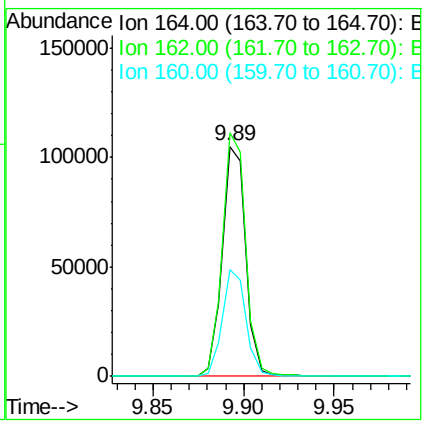




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:164 Resp: 95012

Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	46.4	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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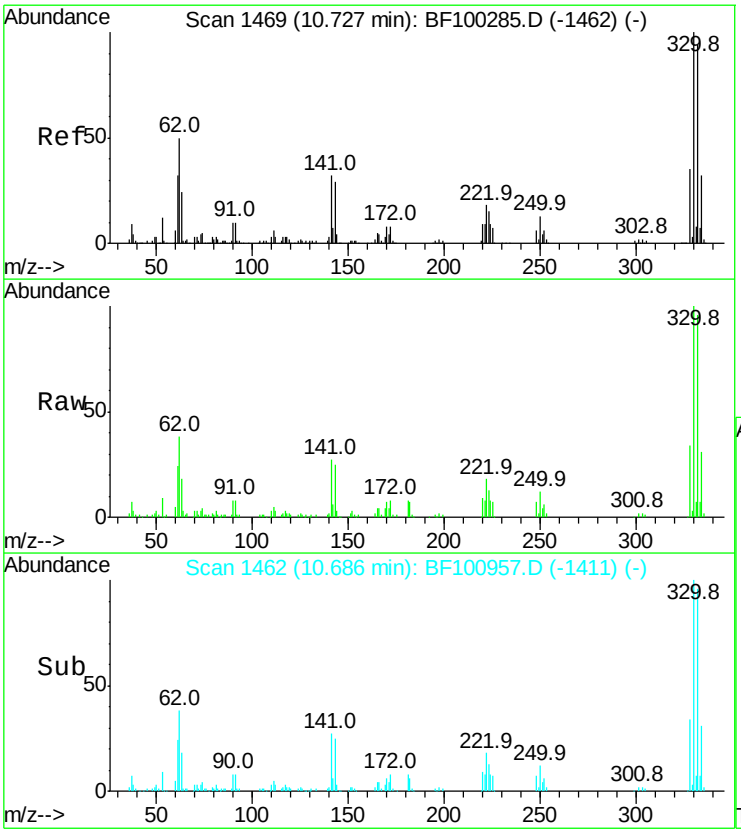
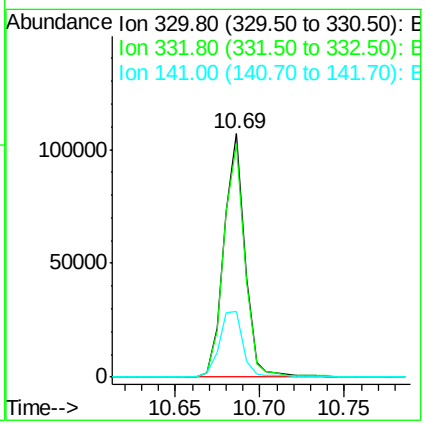
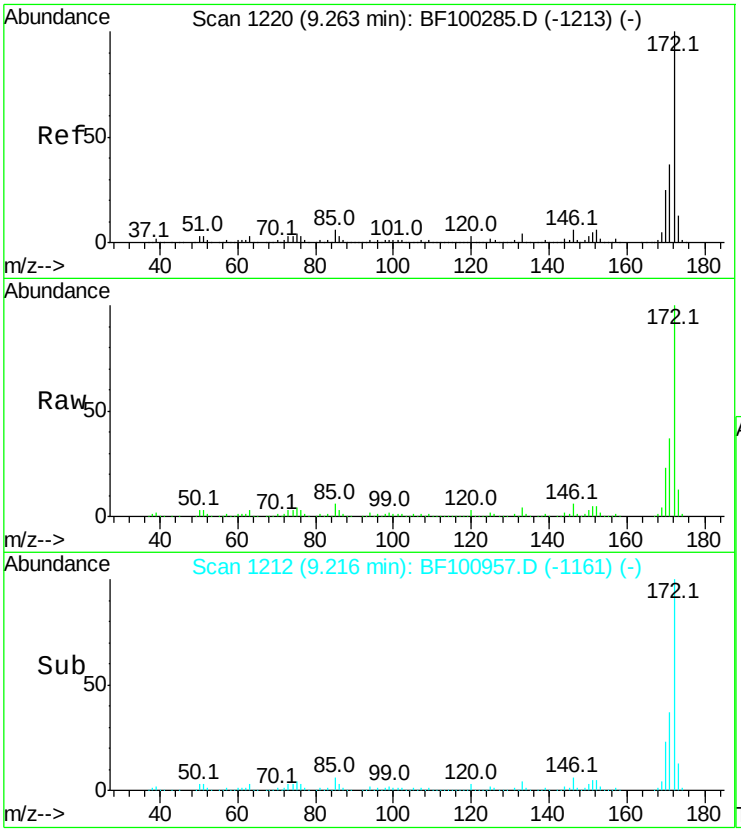


#41
2,4,6-Tribromophenol
Concen: 95.225 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:330 Resp: 92194

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	31.2	29.9	44.9

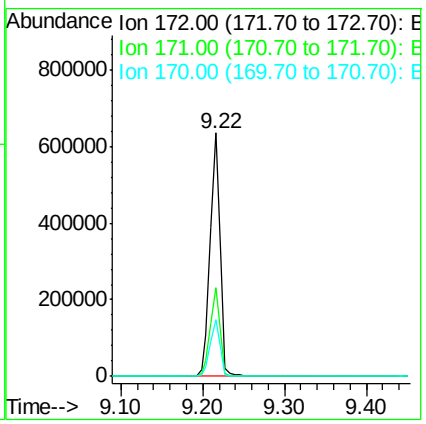




#44
2-Fluorobiphenyl
Concen: 85.229 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:172 Resp: 531799

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.2	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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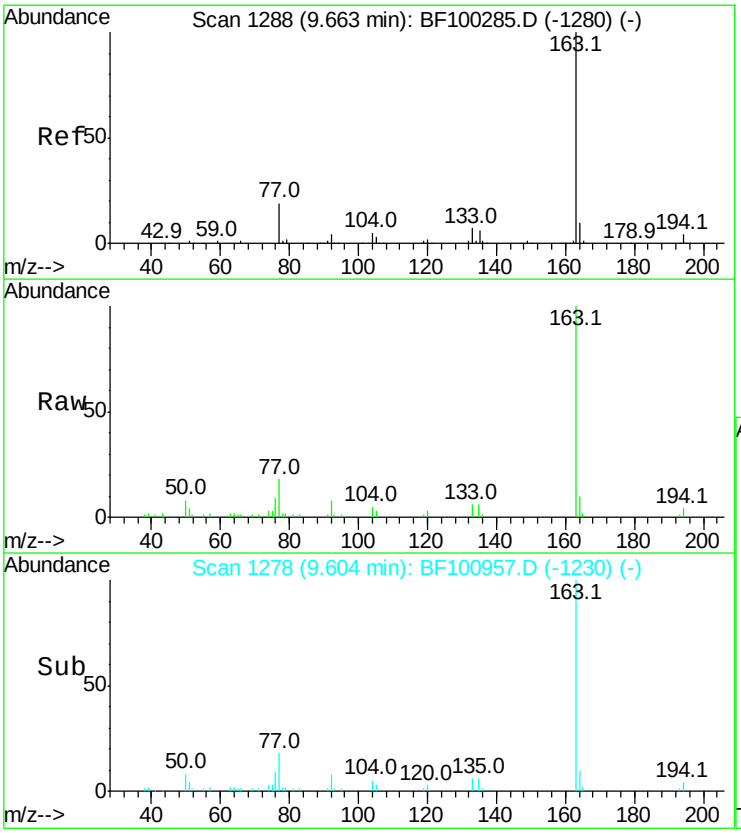
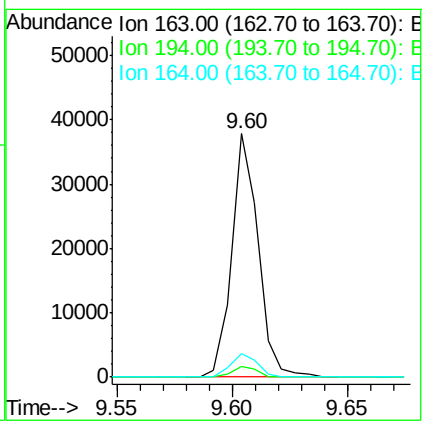
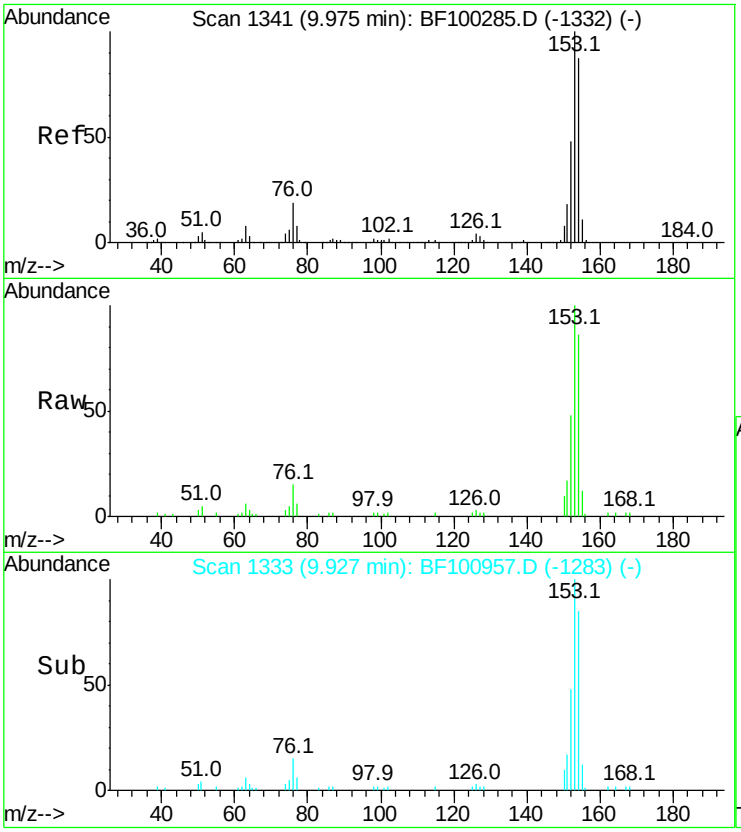


#49
Dimethylphthalate
Concen: 4.145 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:163 Resp: 30072

Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	9.5	8.2	12.2

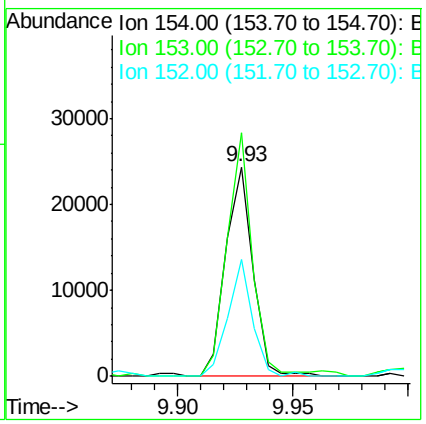




#51
Acenaphthene
Concen: 3.323 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:154 Resp: 19964

Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.2	136.8
152	55.8	43.8	65.8



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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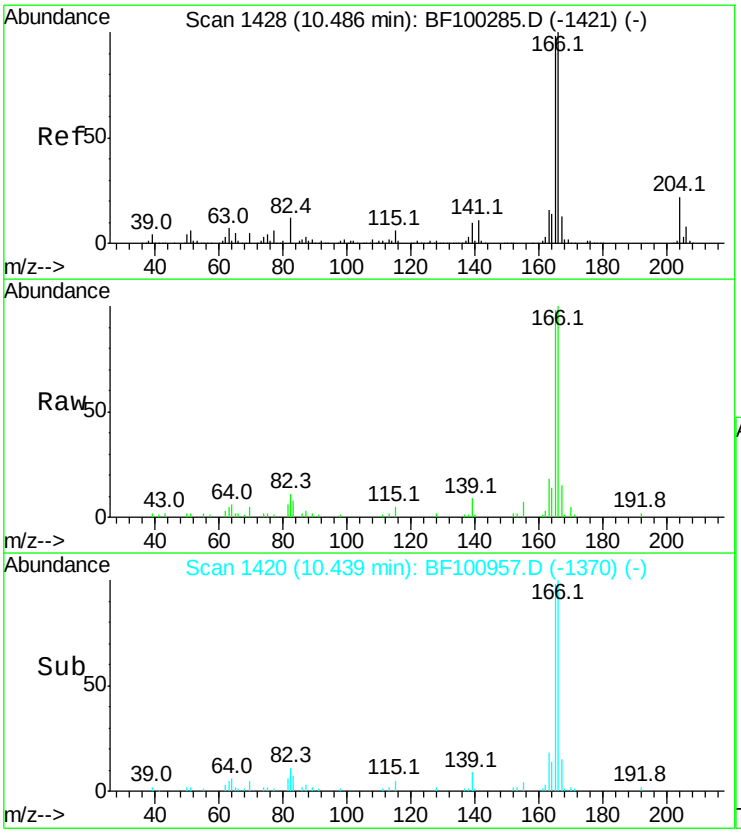
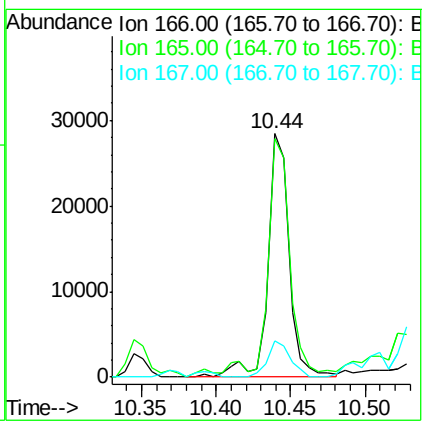
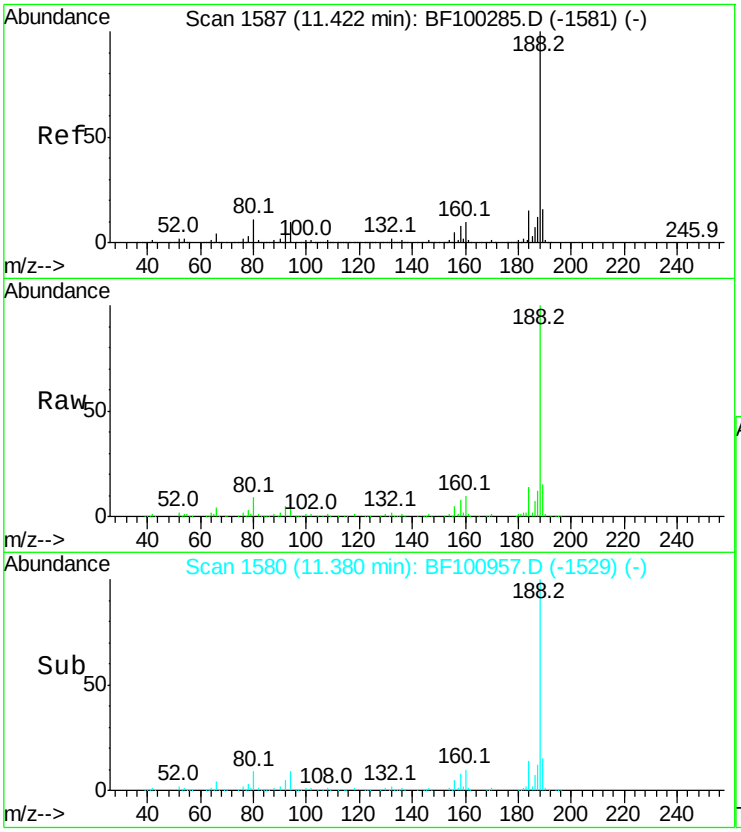


#57
Fluorene
Concen: 4.531 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:166 Resp: 27956

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	14.7	10.6	16.0





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:188 Resp: 153706

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	8.9	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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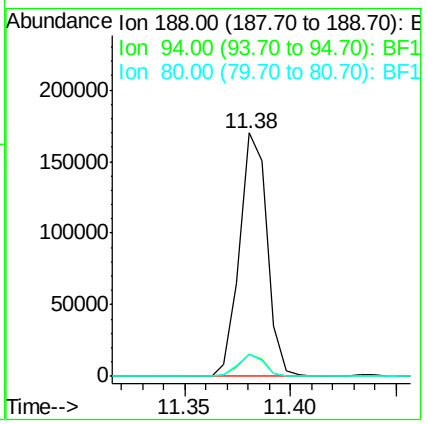
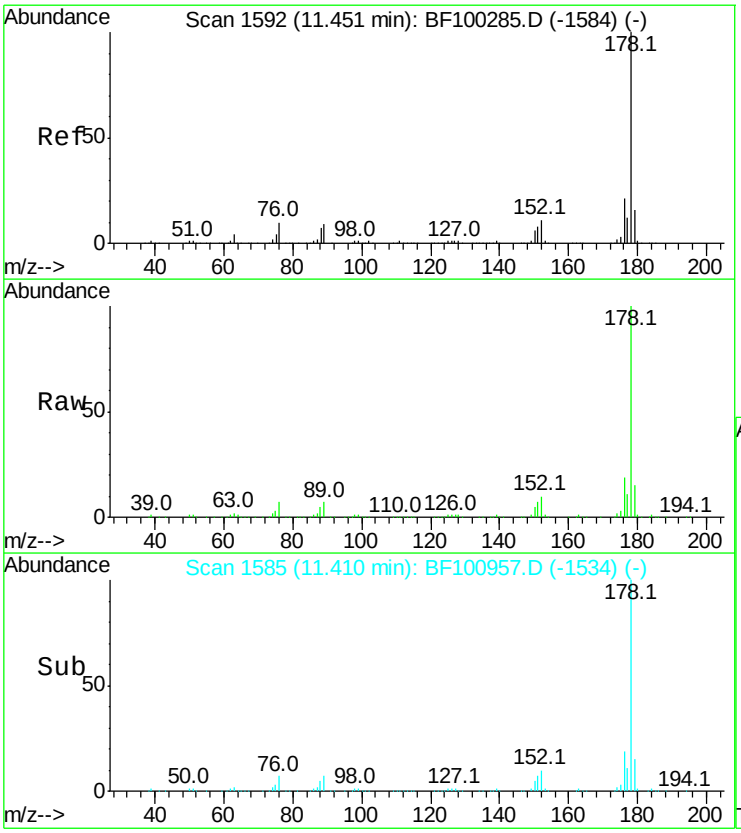
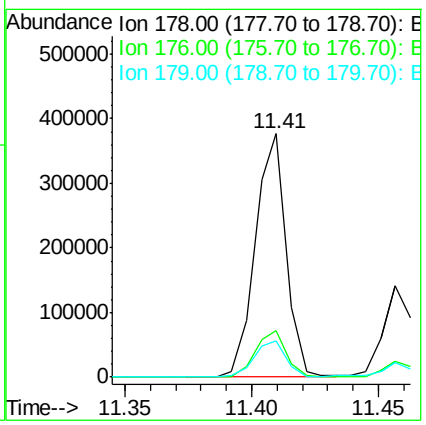


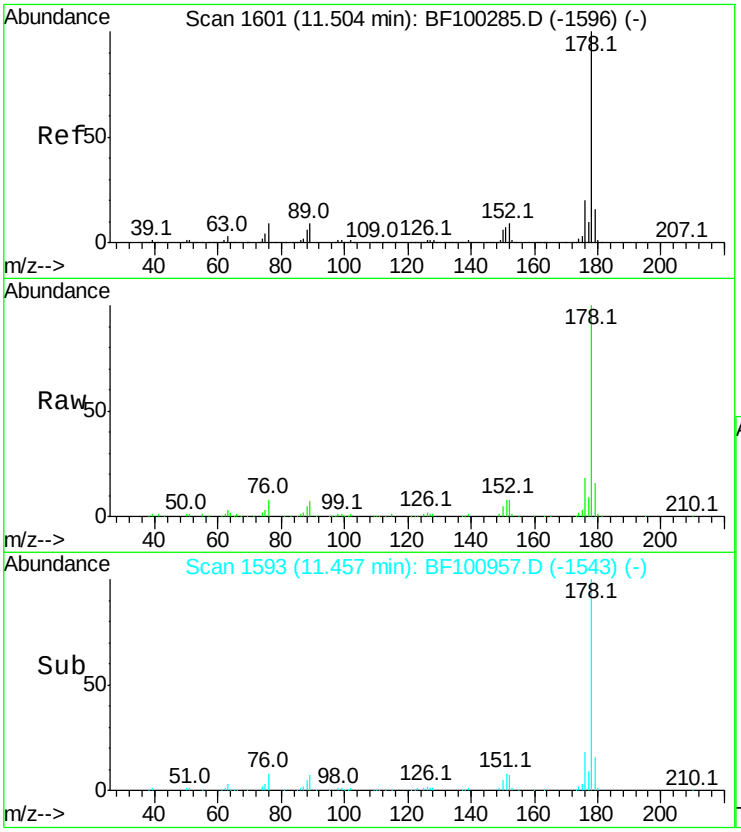


#70
Phenanthrene
Concen: 39.267 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:178 Resp: 317779

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

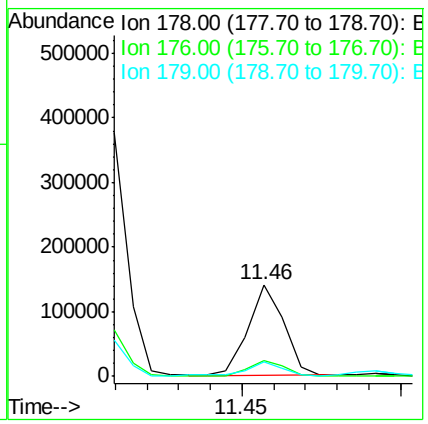




#71
Anthracene
Concen: 13.305 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:178 Resp: 109243

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.9	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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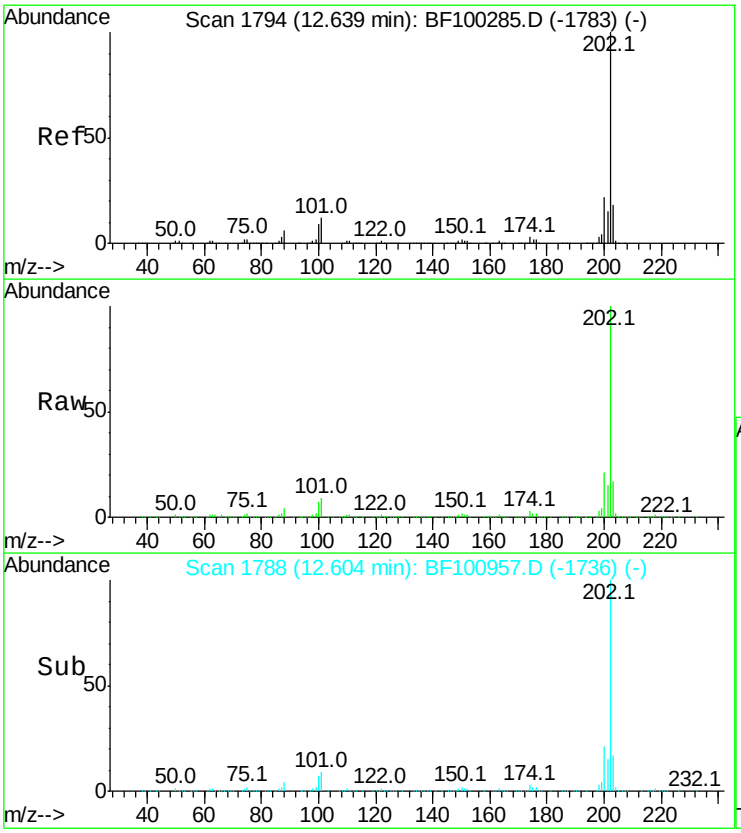
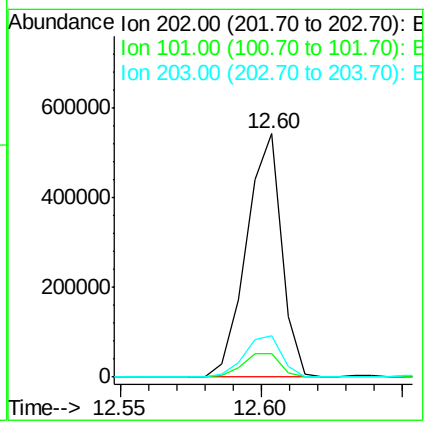
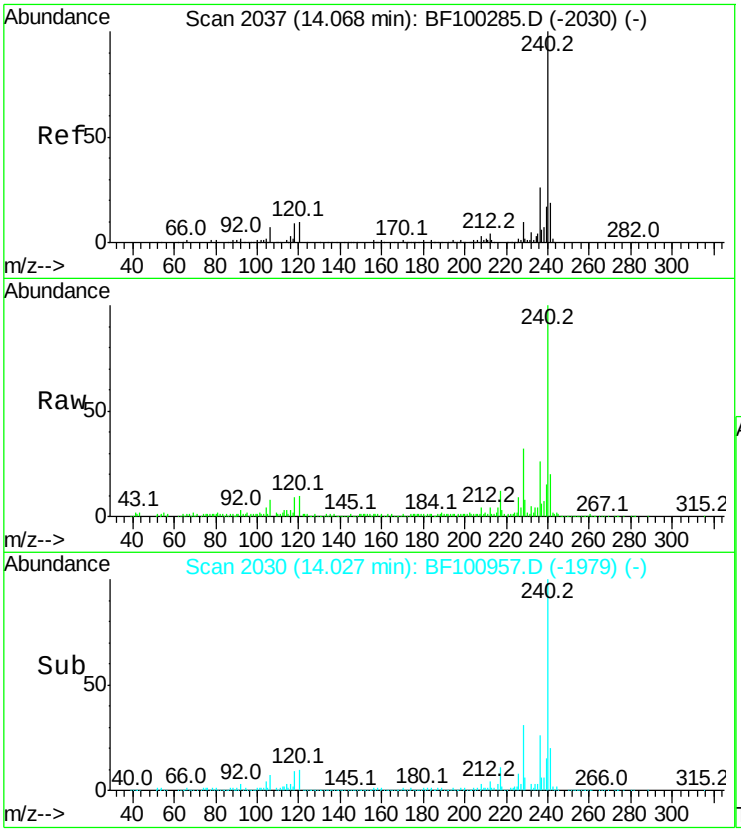


#74
Fluoranthene
Concen: 54.585 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:202 Resp: 468169

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	16.8	0.0	38.1

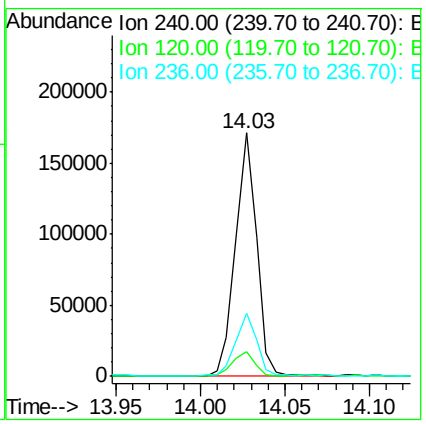




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:240 Resp: 147813

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	25.9	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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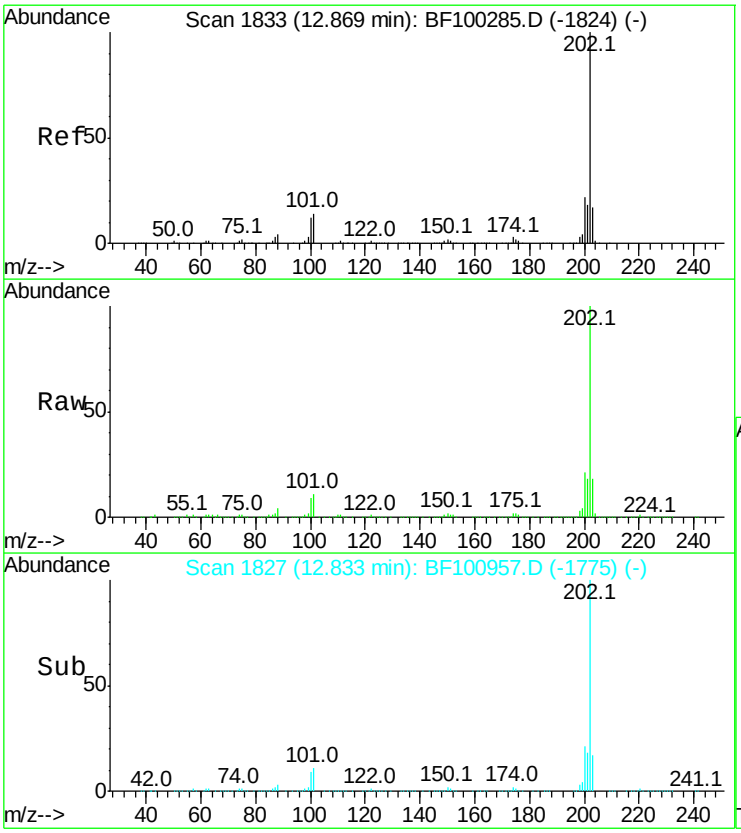
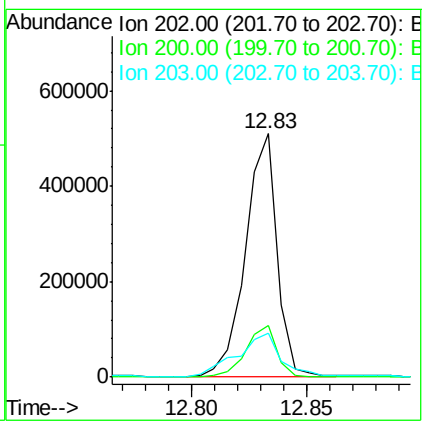
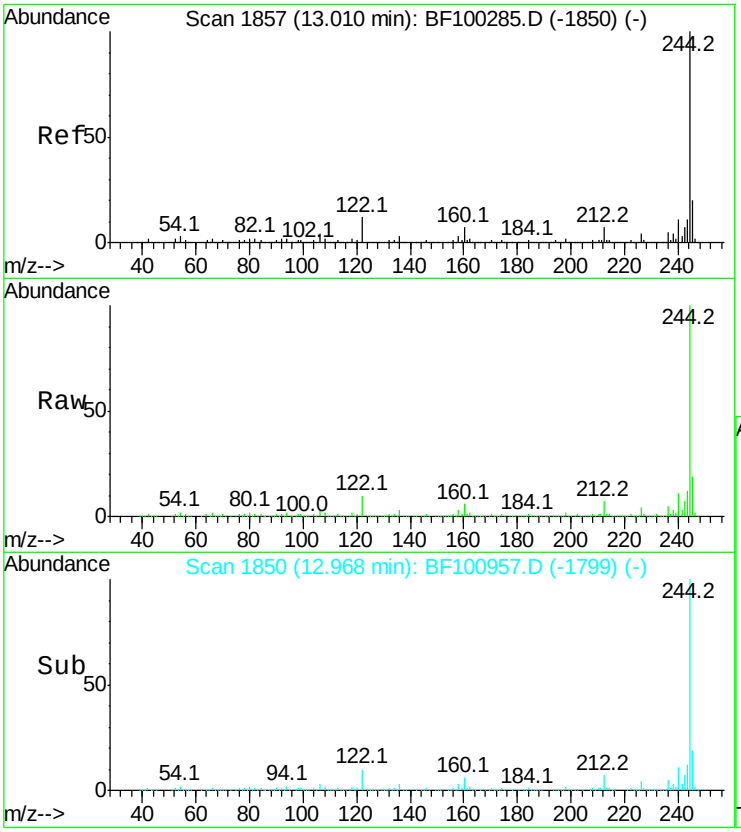


#77
Pyrene
Concen: 46.177 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:202 Resp: 486557

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.8	14.3	21.5

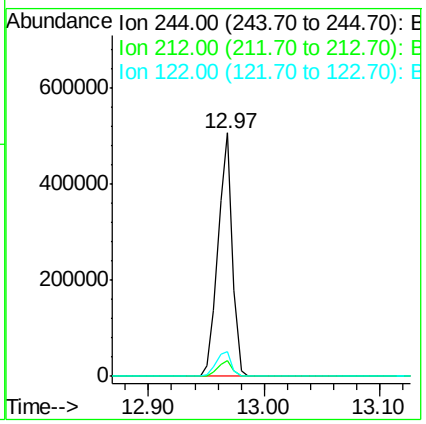




#78
Terphenyl-d14
Concen: 67.341 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:244 Resp: 433209

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.0	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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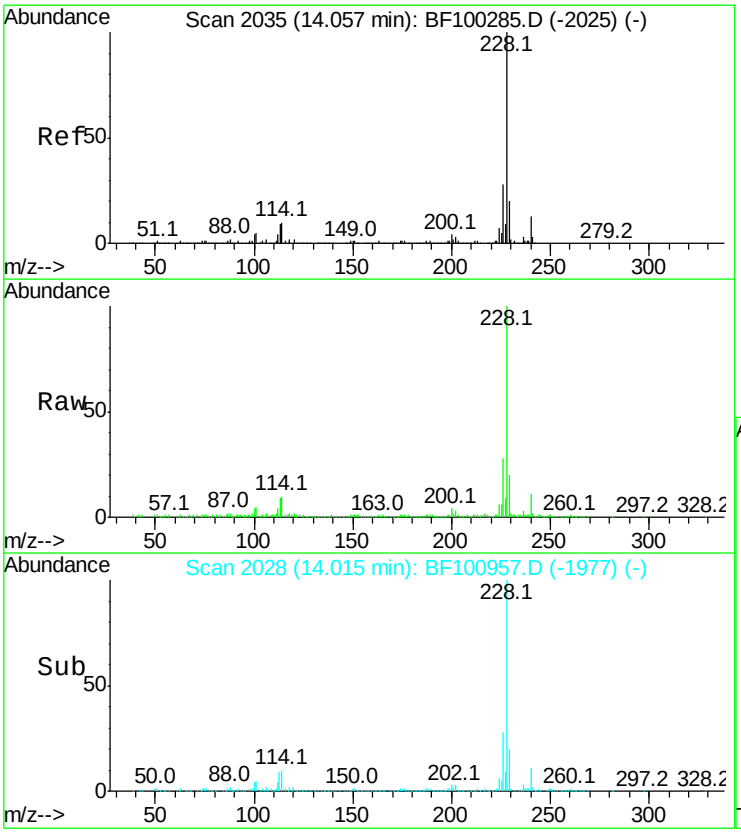
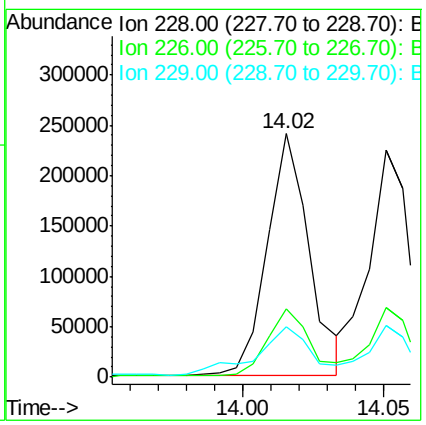
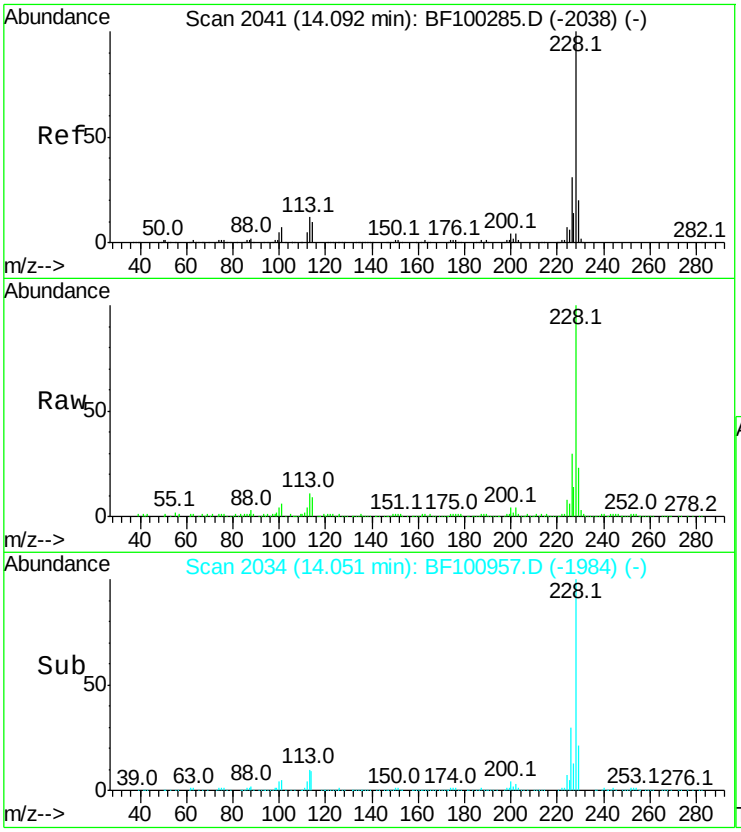


#80
Benzo(a)anthracene
Concen: 27.678 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:228 Resp: 246372

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.4	15.8	23.6

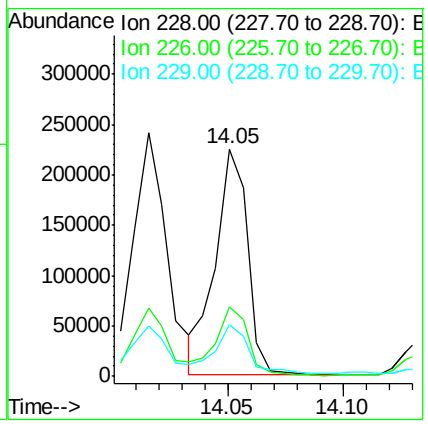




#82
Chrysene
Concen: 25.134 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:228 Resp: 216647

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.5	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

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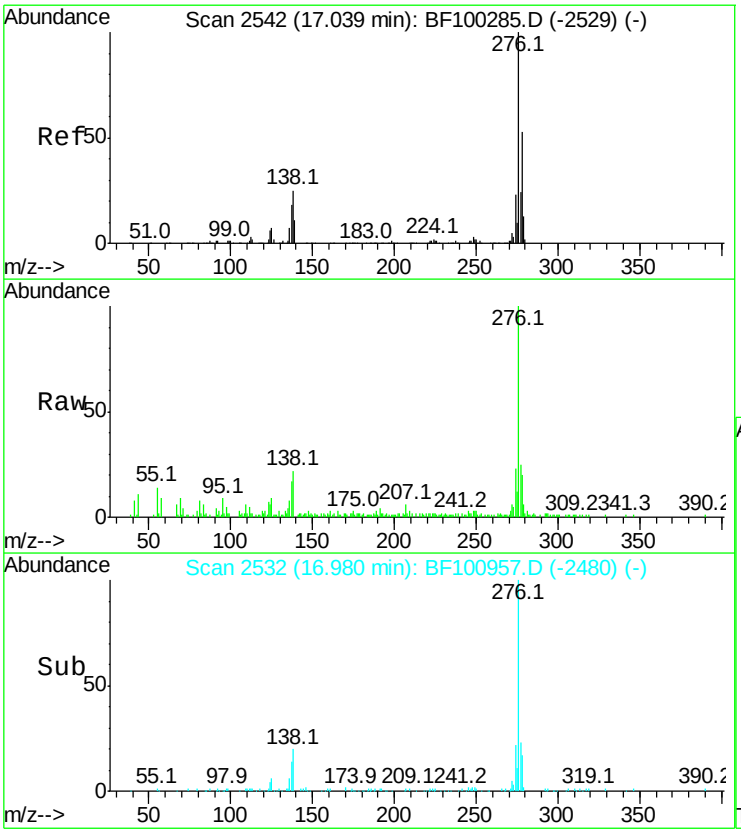
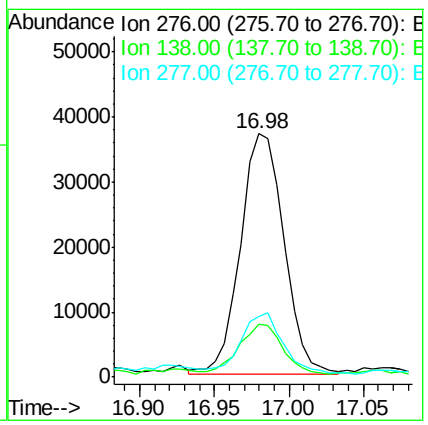
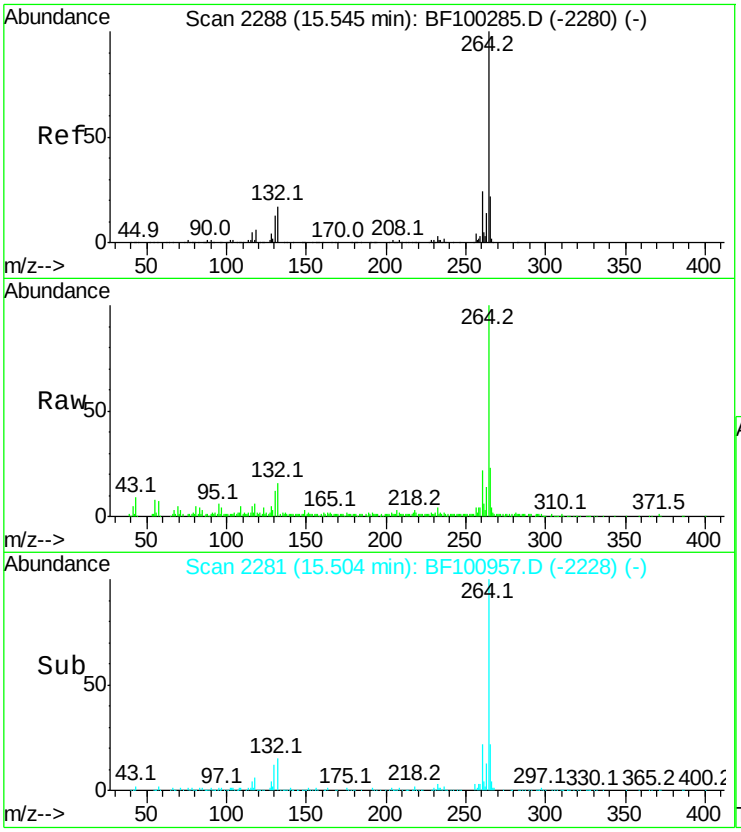


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.775 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:276 Resp: 75125

Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.0	37.6#
277	24.5	20.1	30.1

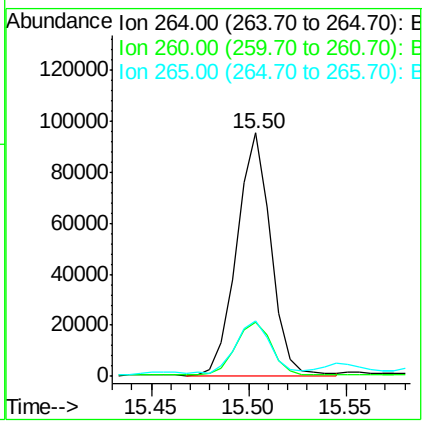




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:264 Resp: 114679

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.9	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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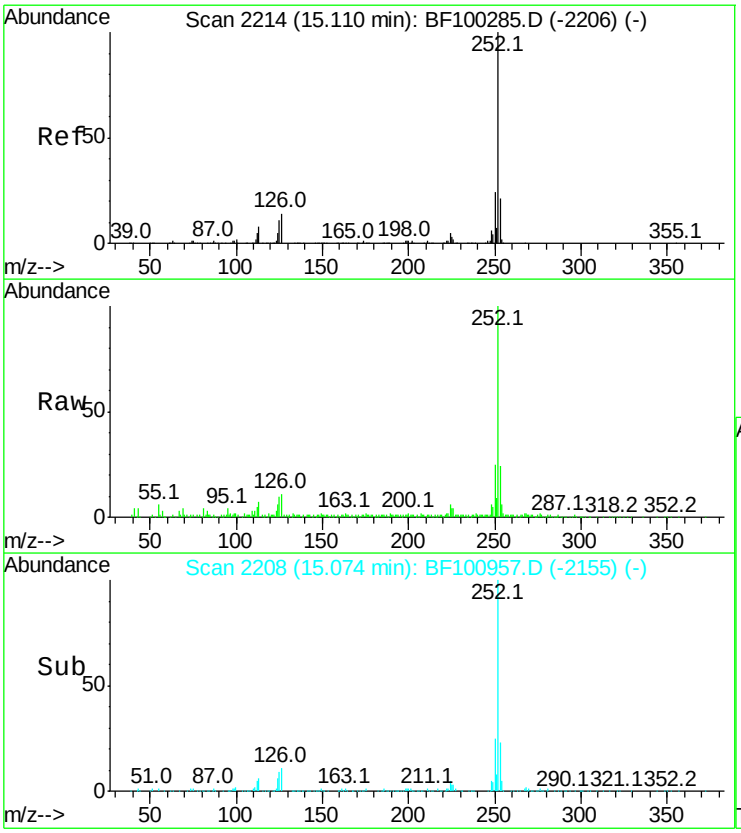
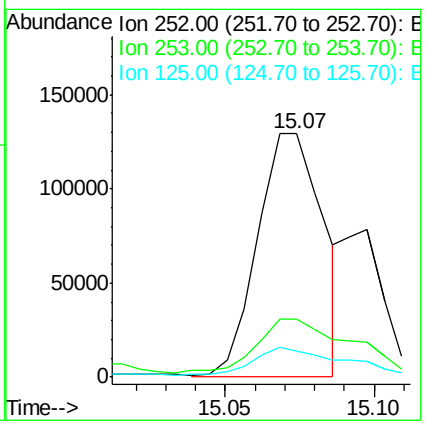
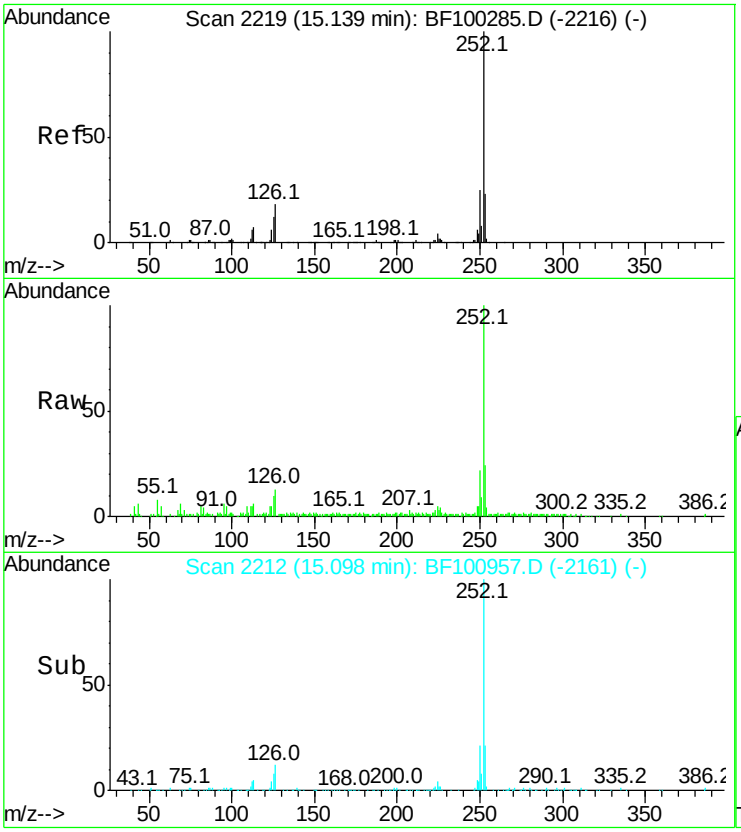


#87
Benzo(b)fluoranthene
Concen: 29.144 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:252 Resp: 198005

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	10.5	9.0	13.6

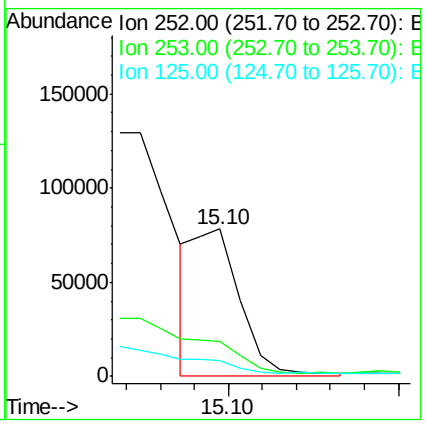




#88
Benzo(k)fluoranthene
Concen: 11.747 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:252 Resp: 75409

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.4	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
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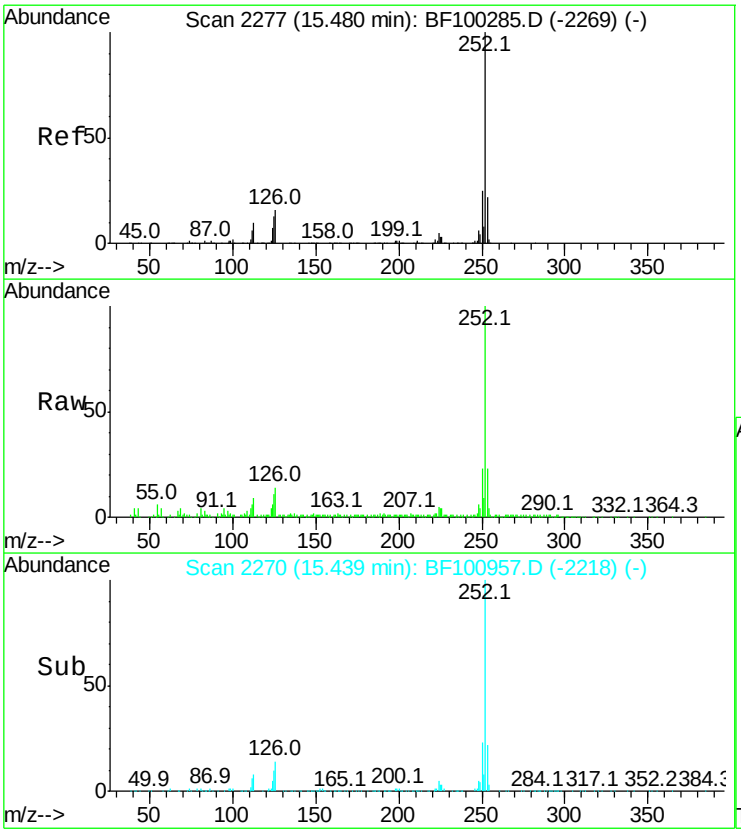
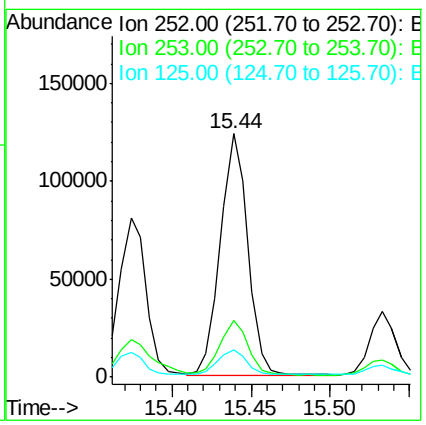
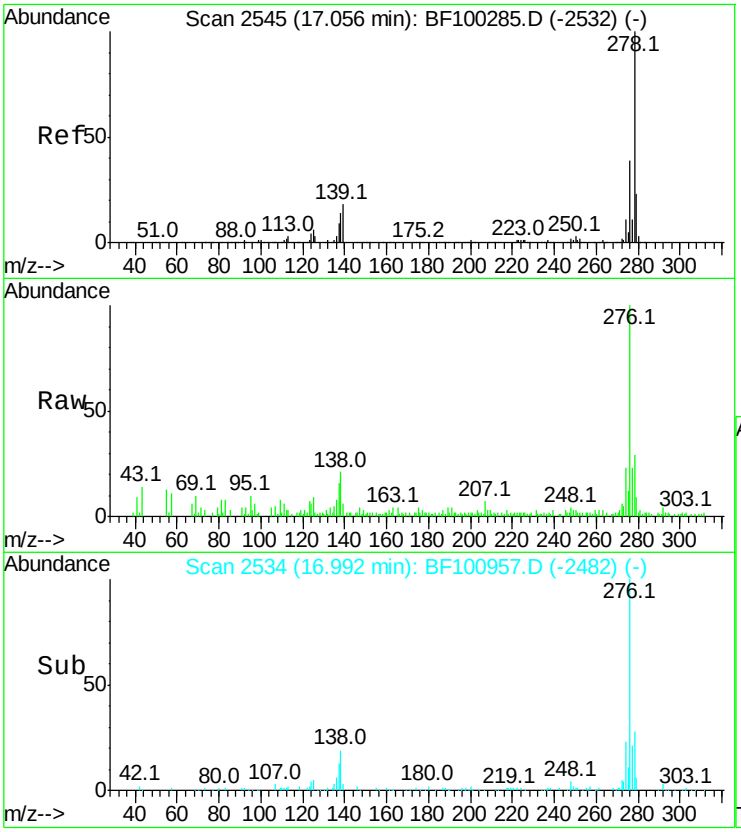


#89
Benzo(a)pyrene
Concen: 24.575 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:252 Resp: 148018

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.0	9.8	14.6

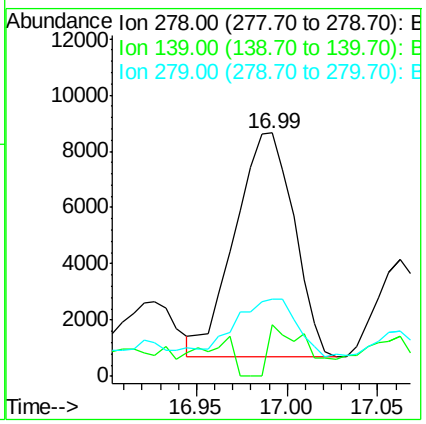




#90
Dibenzo(a,h)anthracene
Concen: 3.667 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

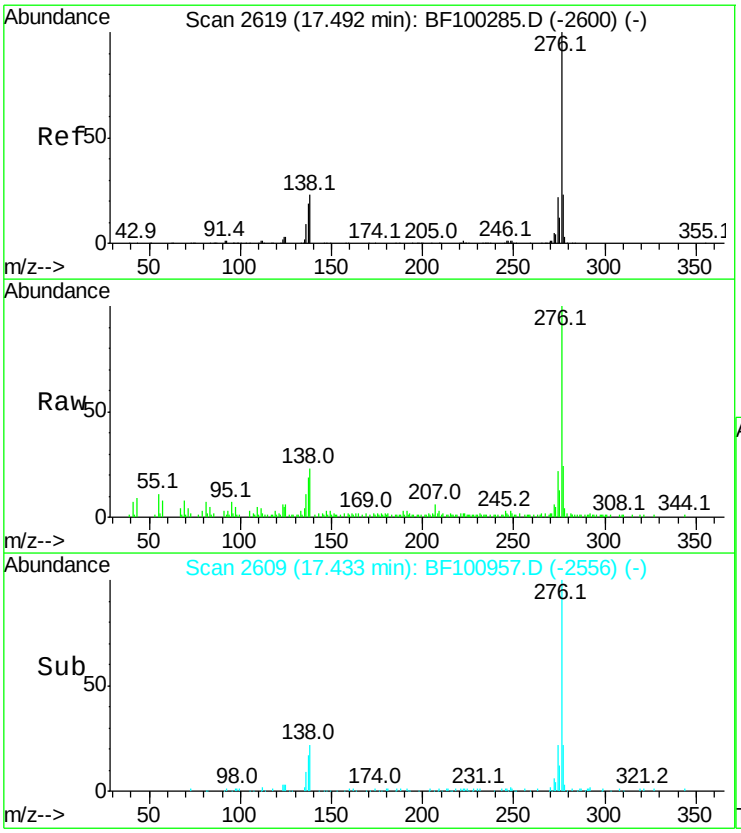
Tgt Ion:278 Resp: 18064

Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	31.7	19.0	28.4#



Instrument :
BNA_F
ClientSampleId :
HAR-2-E(4-5)

Manual Integrations APPROVED
Sohil
11/29/2017 4:29:23 PM



#91
Benzo(g,h,i)perylene
Concen: 15.187 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.01 min
Lab File: BF100957.D
Acq: 29 Nov 2017 2:36

Tgt Ion:276 Resp: 73228

Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	22.8	21.8	32.8