Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100217.D
Acq On : 5 Nov 2017 12:16
Operator : SJ/JU
Sample : I6299-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-110217

Manual Integrations APPROVED
Sohil
11/6/2017 2:33:19 PM

Quant Time: Nov 06 06:13:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	93933	20.00	ng		0.00
21) Naphthalene-d8	8.05	136	376873	20.00	ng		0.00
38) Acenaphthene-d10	9.80	164	164946	20.00	ng		-0.01
63) Phenanthrene-d10	11.29	188	258908	20.00	ng		-0.01
75) Chrysene-d12	13.94	240	165092	20.00	ng		-0.01
86) Perylene-d12	15.40	264	184042	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	570682	95.38	ng		0.00
7) Phenol-d6	6.42	99	666056	93.89	ng		-0.01
23) Nitrobenzene-d5	7.33	82	367997	62.86	ng		-0.02
41) 2,4,6-Tribromophenol	10.59	330	131902	87.75	ng		-0.02
44) 2-Fluorobiphenyl	9.12	172	722798	67.61	ng		-0.01
78) Terphenyl-d14	12.87	244	464512	61.49	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.52	163	95900	7.342	ng		99
51) Acenaphthene	9.83	154	27962	2.742	ng		95
57) Fluorene	10.35	166	56874	4.772	ng		96
70) Phenanthrene	11.32	178	529732	36.255	ng		98
71) Anthracene	11.37	178	129708	8.745	ng		97
72) Carbazole	11.54	167	47173	3.382	ng		97
74) Fluoranthene	12.51	202	587043	38.660	ng		97
77) Pyrene	12.74	202	523921	41.735	ng		99
80) Benzo(a)anthracene	13.93	228	208799	19.951	ng		96
82) Chrysene	13.97	228	211072	21.452	ng		98
85) Indeno(1,2,3-cd)pyrene	16.89	276	64313	7.120	ng		95
87) Benzo(b)fluoranthene	14.98	252	196915m	16.944	ng		
88) Benzo(k)fluoranthene	15.01	252	73819m	6.736	ng		
89) Benzo(a)pyrene	15.34	252	136106	13.038	ng		99
90) Dibenzo(a,h)anthracene	16.87	278	20383	2.197	ng	#	82
91) Benzo(g,h,i)perylene	17.33	276	59532	6.560	ng		93

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

Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100217.D
Acq On : 5 Nov 2017 12:16
Operator : SJ/JU
Sample : I6299-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 06:13:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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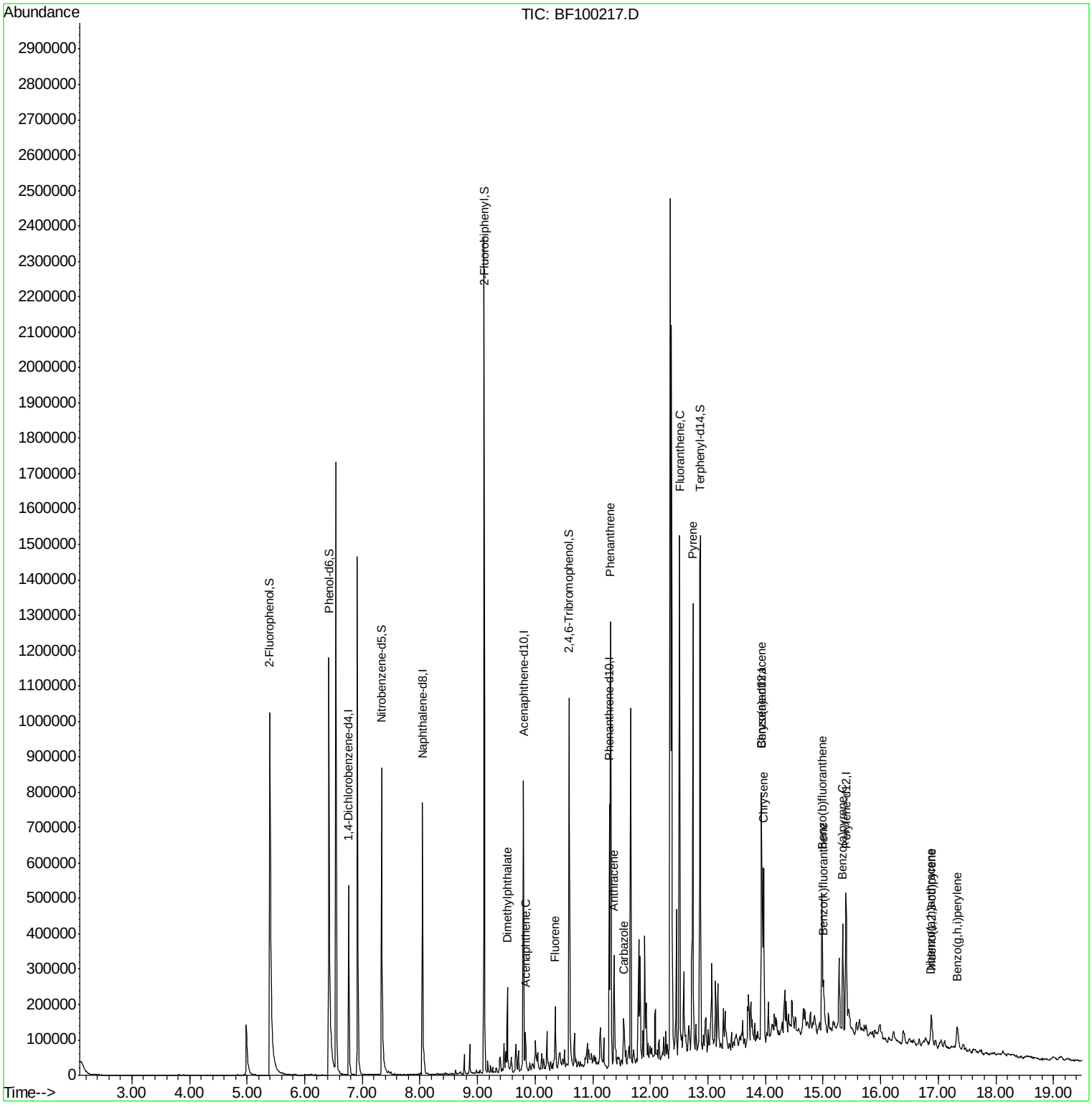
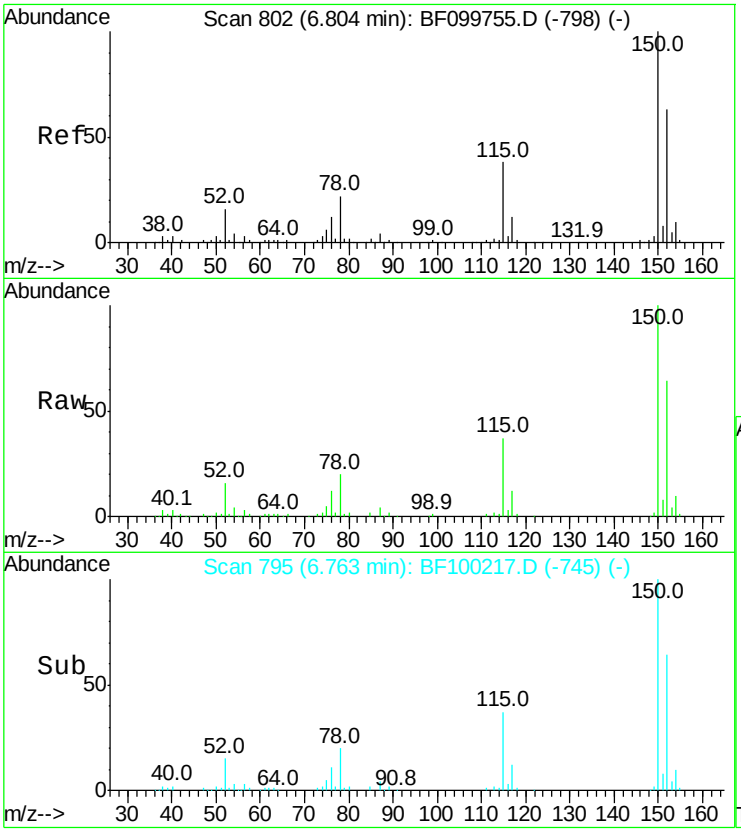
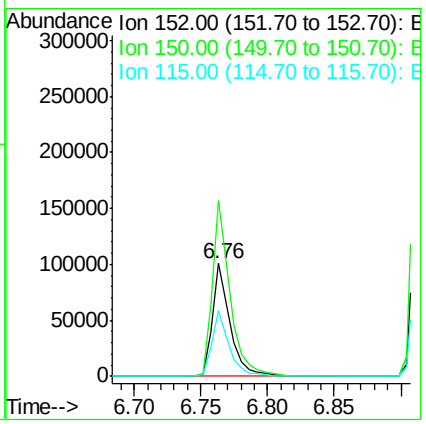




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:152 Resp: 93933

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	57.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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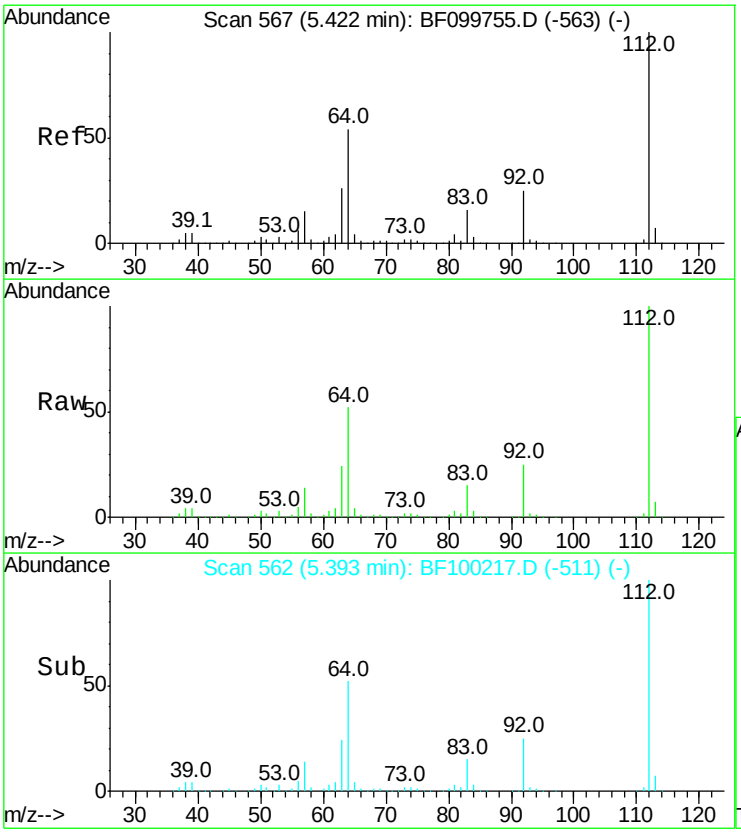
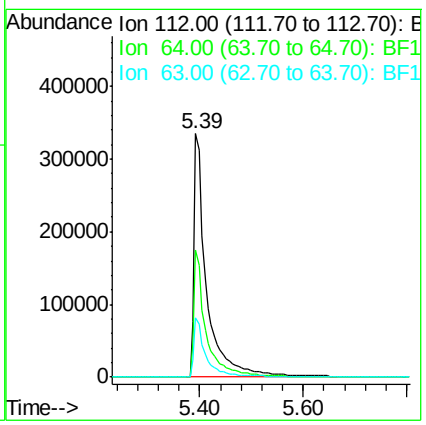
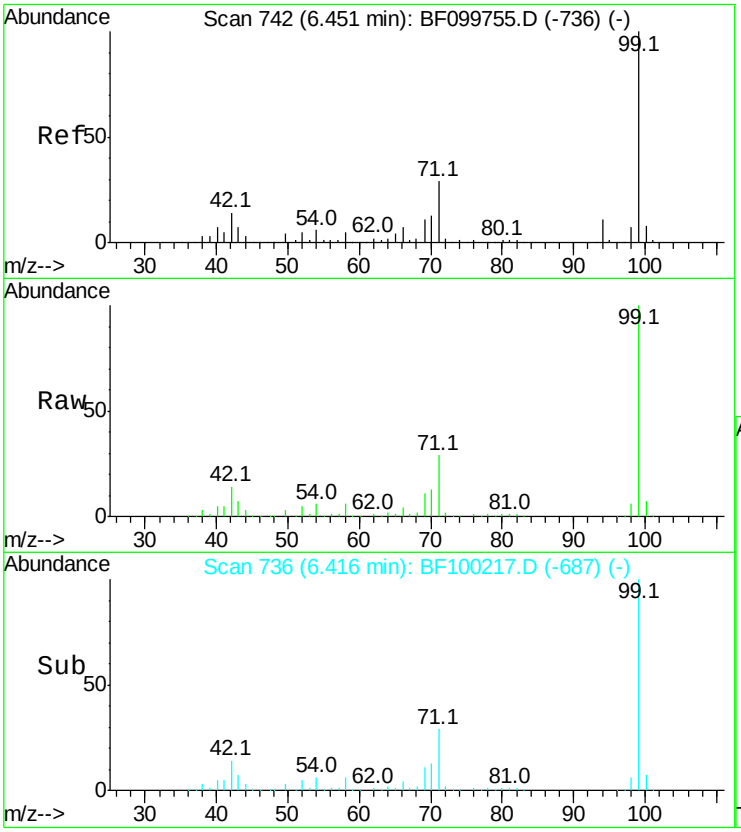


#5
2-Fluorophenol
Concen: 95.382 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:112 Resp: 570682

Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	24.3	23.7	35.5

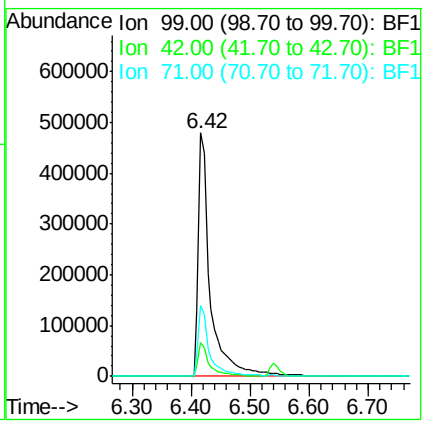




#7
Phenol-d6
Concen: 93.886 ng
RT: 6.42 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion: 99 Resp: 666056

Ion	Ratio	Lower	Upper
99	100		
42	13.8	14.5	21.7#
71	29.2	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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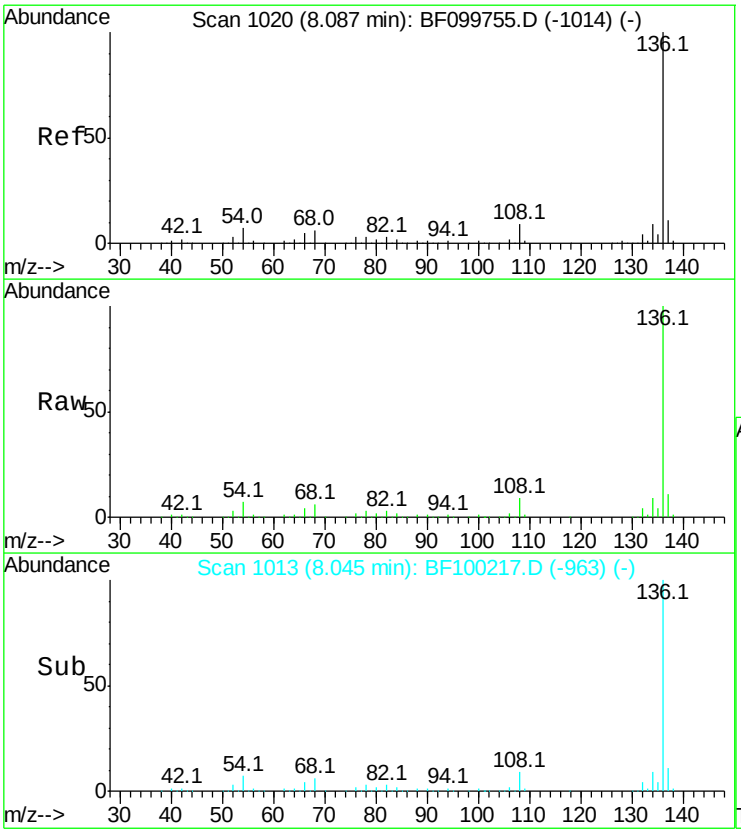
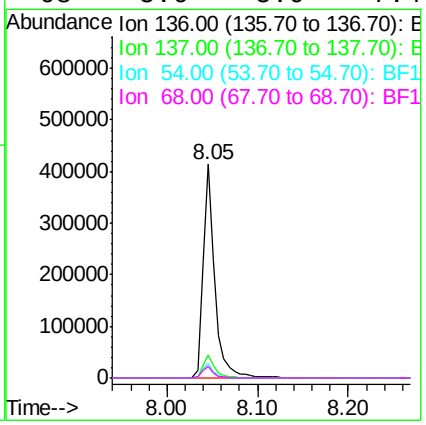
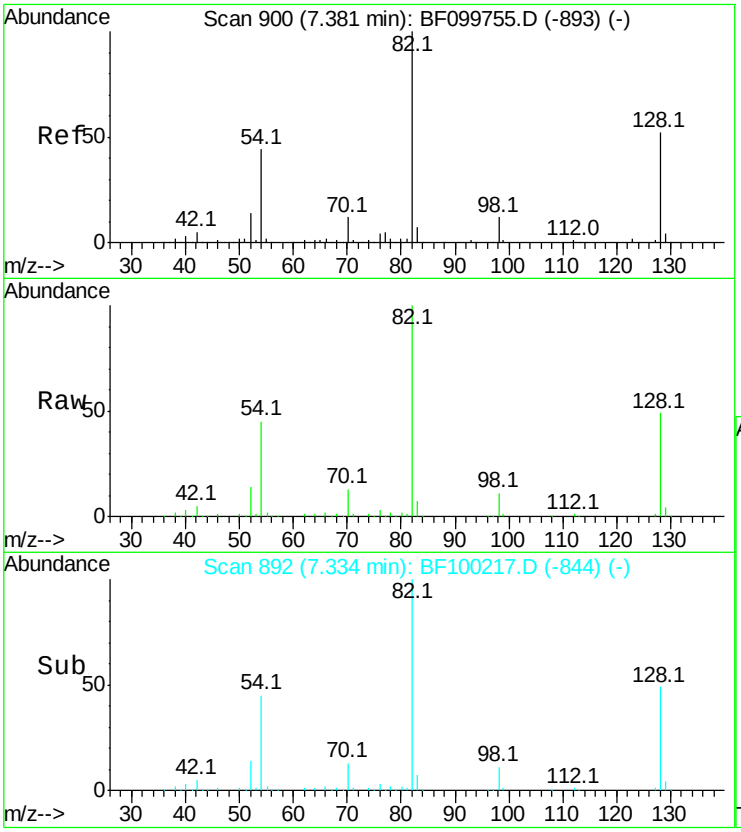


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:136 Resp: 376873

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.5	6.6	9.8#
68	5.6	5.0	7.4

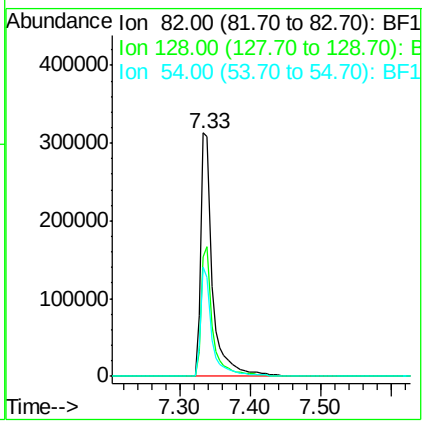




#23
Nitrobenzene-d5
Concen: 62.864 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion: 82 Resp: 367997

Ion	Ratio	Lower	Upper
82	100		
128	48.9	36.1	54.1
54	44.9	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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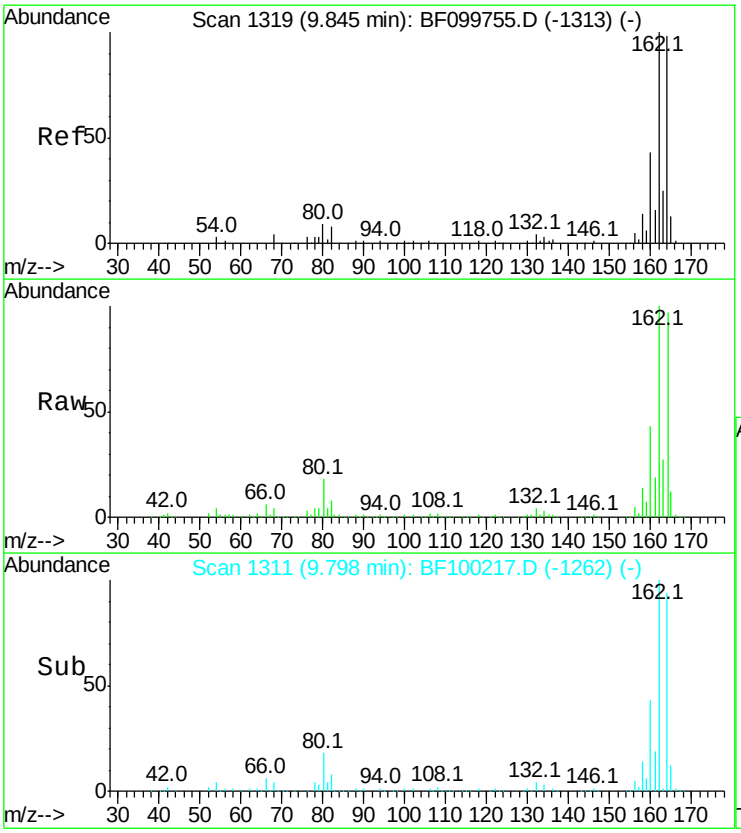
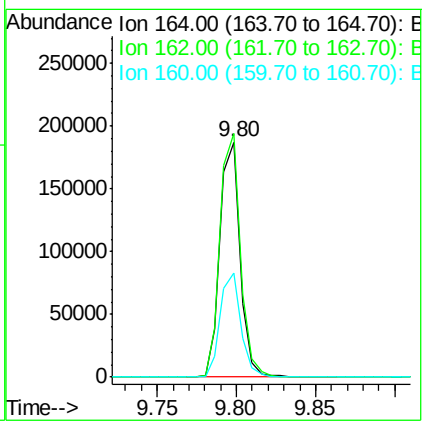
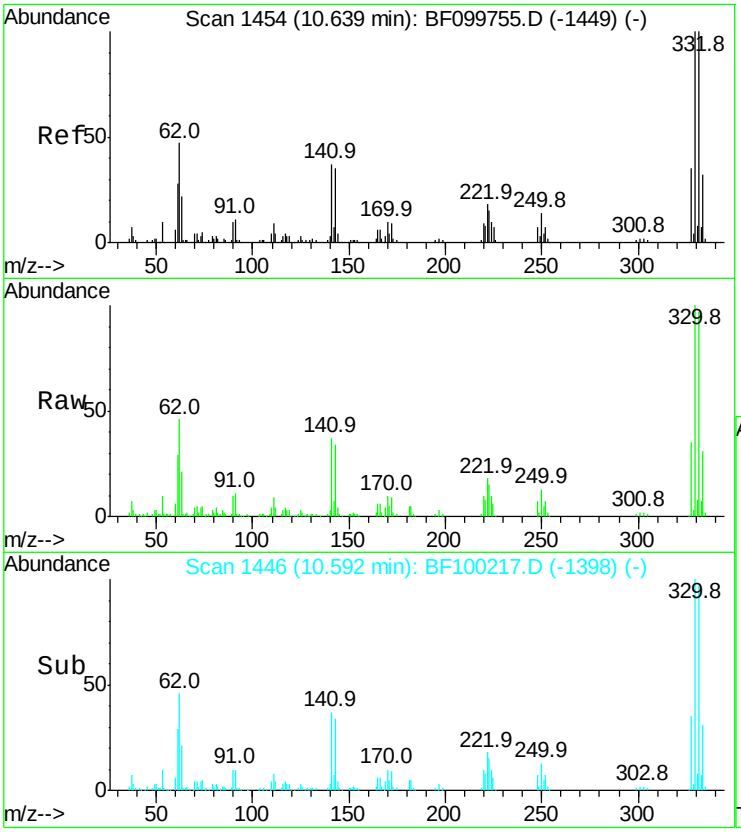


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:164 Resp: 164946

Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	44.3	38.3	57.5

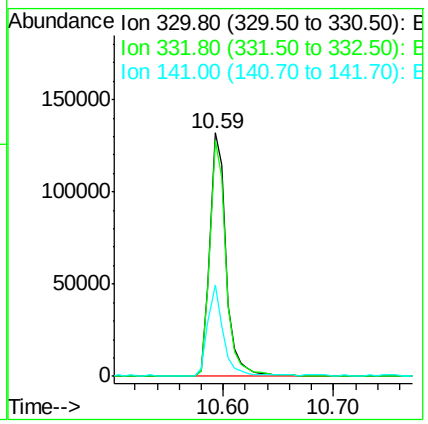




#41
2,4,6-Tribromophenol
Concen: 87.749 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:330 Resp: 131902

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	36.3	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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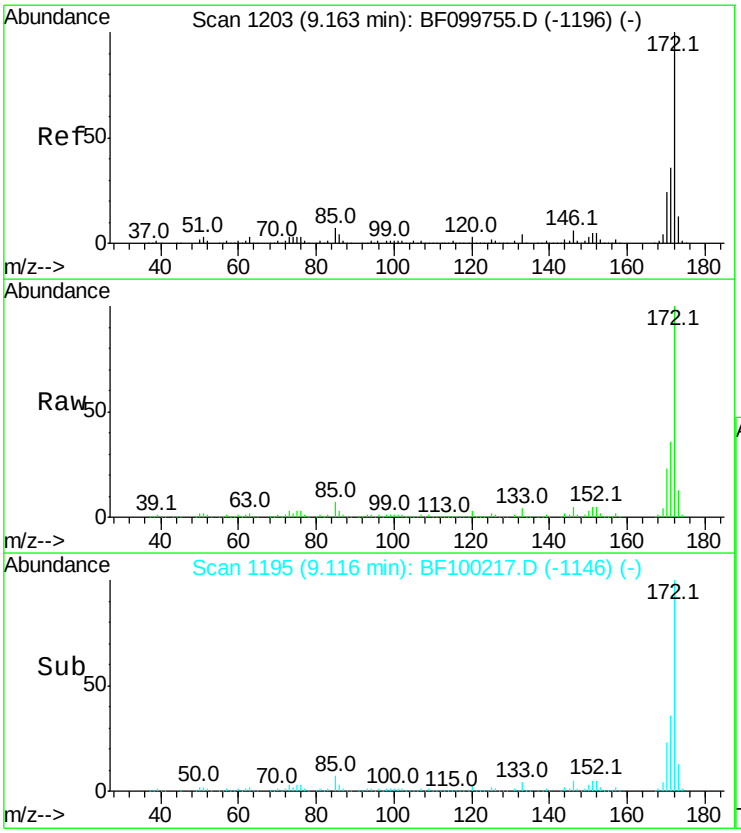
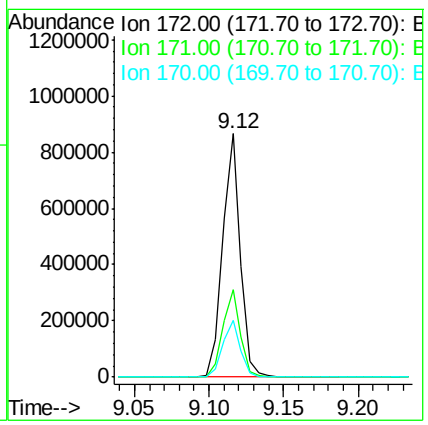
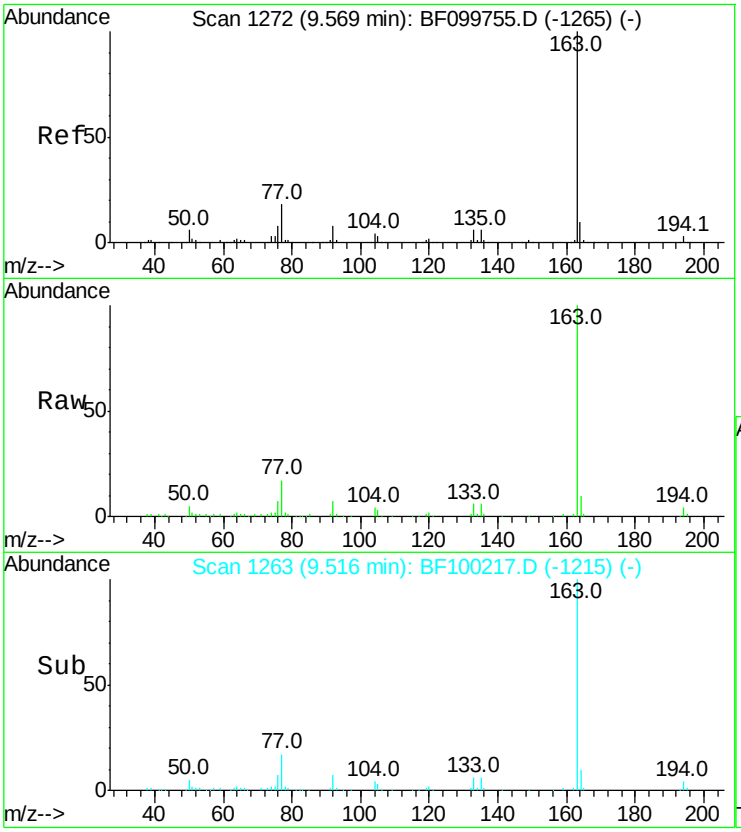


#44
2-Fluorobiphenyl
Concen: 67.608 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:172 Resp: 722798

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.3	19.6	29.4

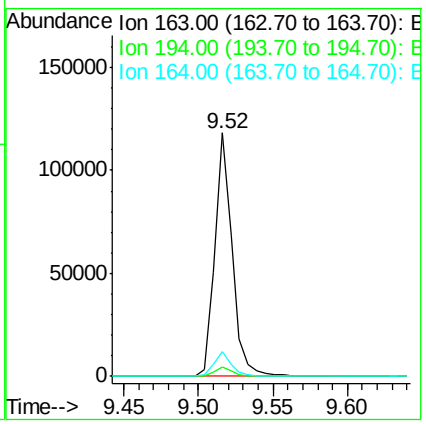




#49
Dimethylphthalate
Concen: 7.342 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:163 Resp: 95900

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.4	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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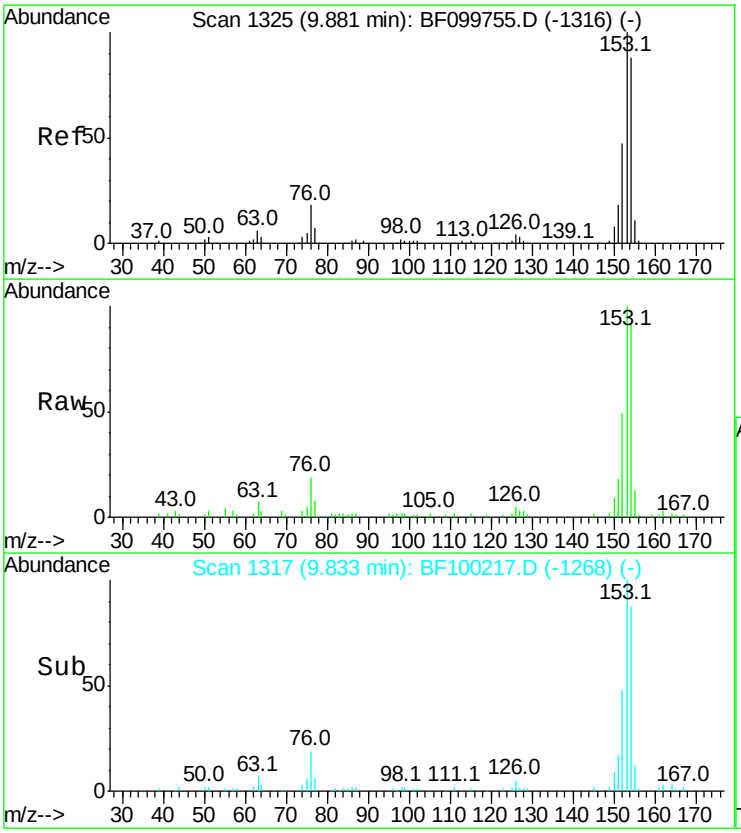
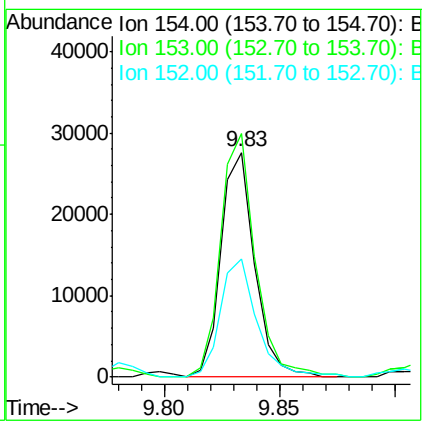
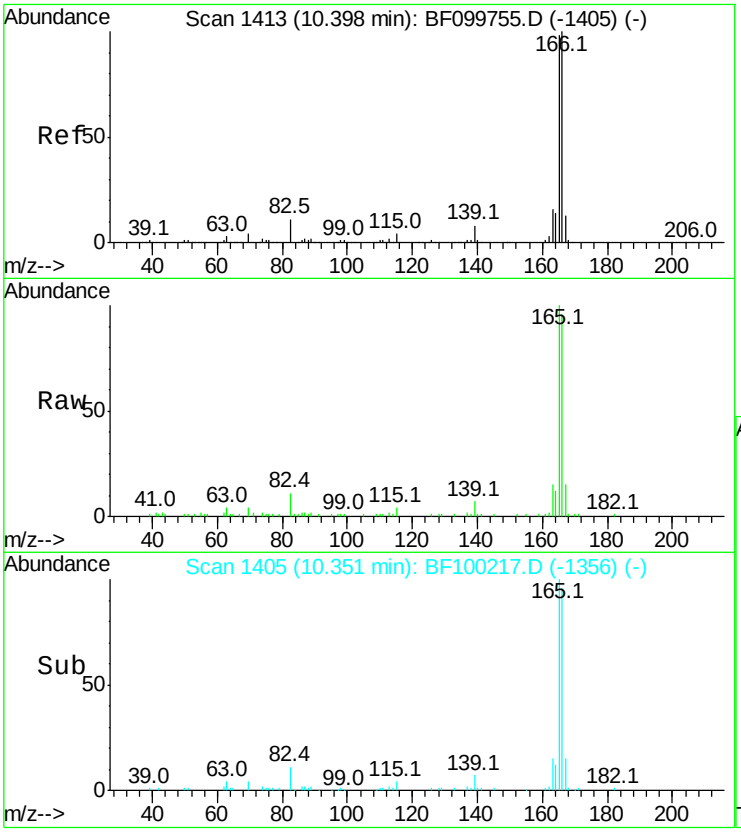


#51
Acenaphthene
Concen: 2.742 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:154 Resp: 27962

Ion	Ratio	Lower	Upper
154	100		
153	108.2	91.2	136.8
152	52.8	43.8	65.8

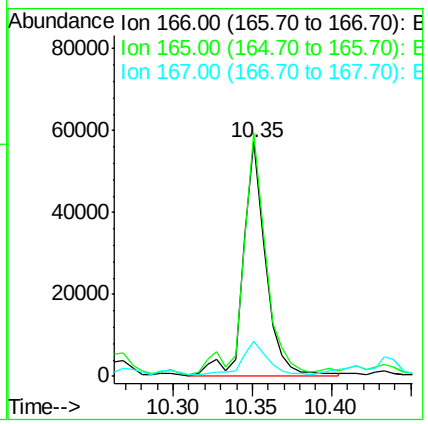




#57
Fluorene
Concen: 4.772 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:166 Resp: 56874

Ion	Ratio	Lower	Upper
166	100		
165	103.9	79.8	119.8
167	15.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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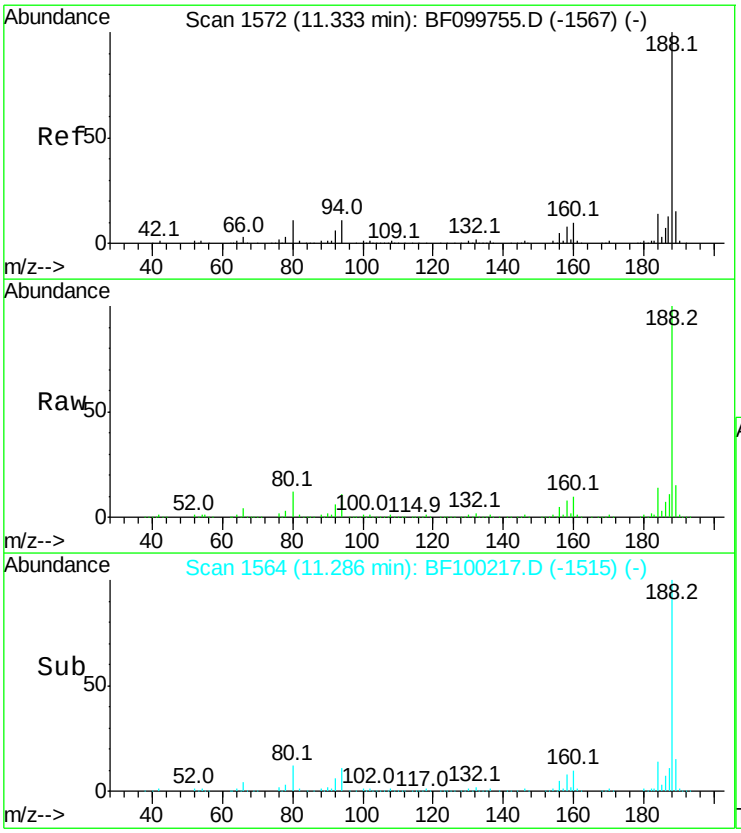
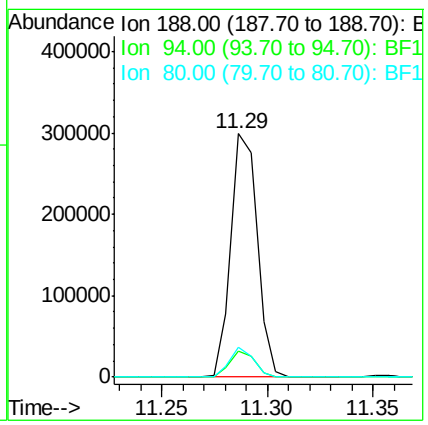
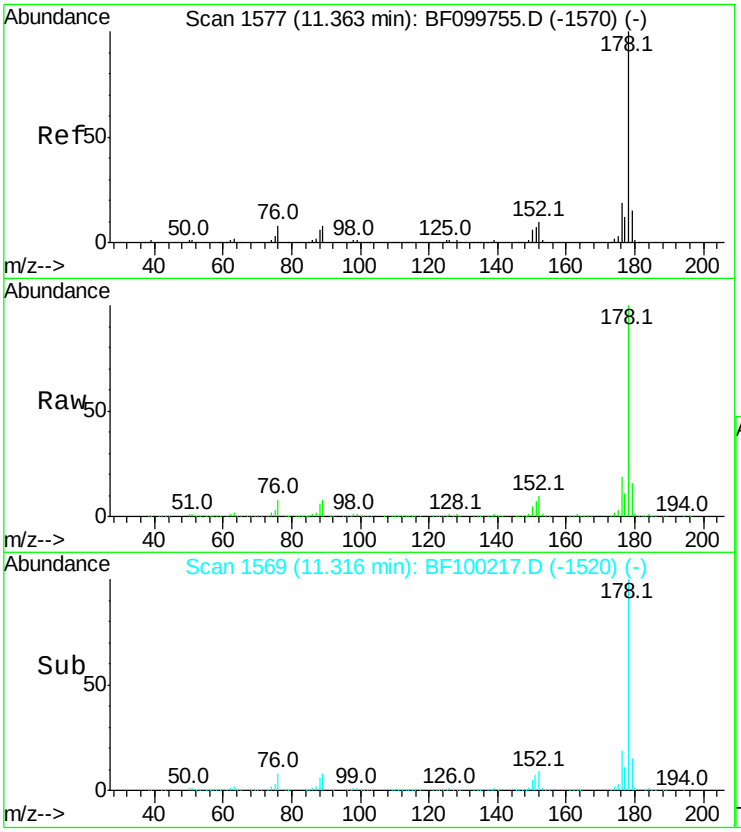


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:188 Resp: 258908

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	12.0	9.2	13.8

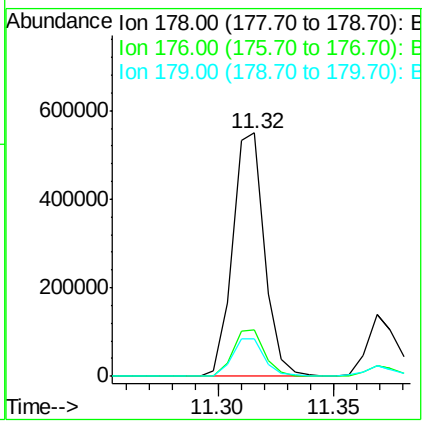




#70
Phenanthrene
Concen: 36.255 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:178 Resp: 529732

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.6	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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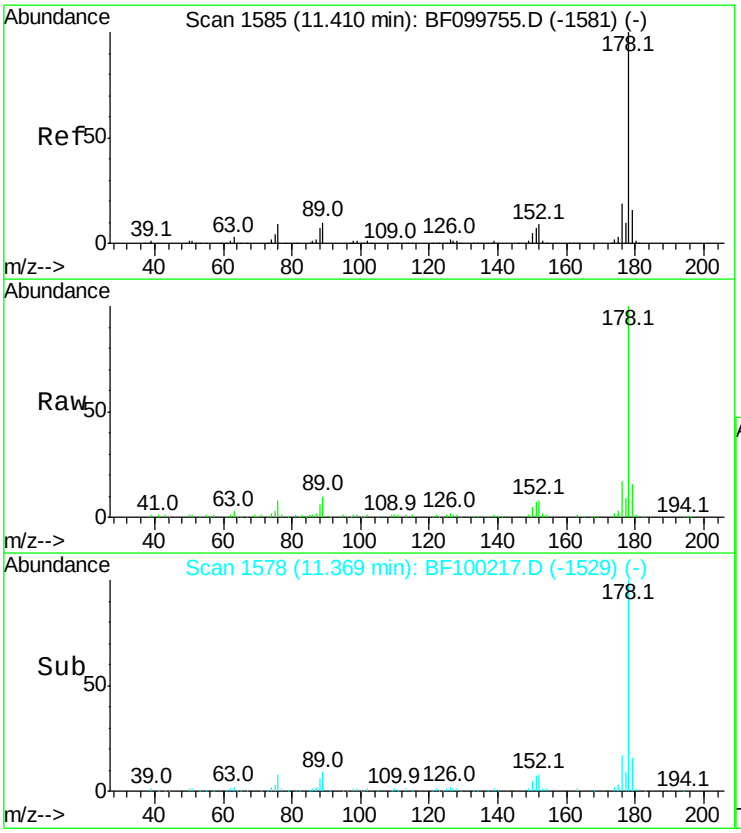
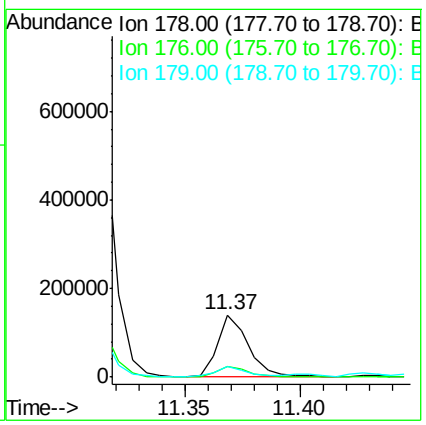
11/6/2017 2:33:19 PM

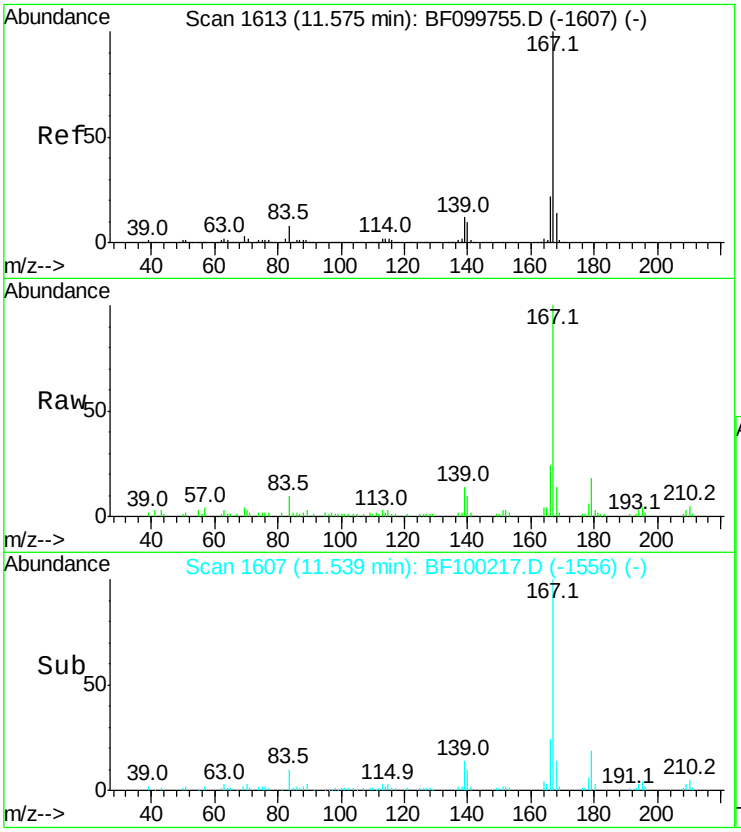


#71
Anthracene
Concen: 8.745 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:178 Resp: 129708

Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	16.3	12.6	19.0

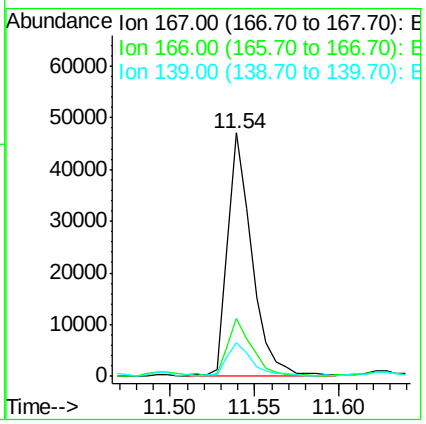




#72
Carbazole
Concen: 3.382 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.00 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

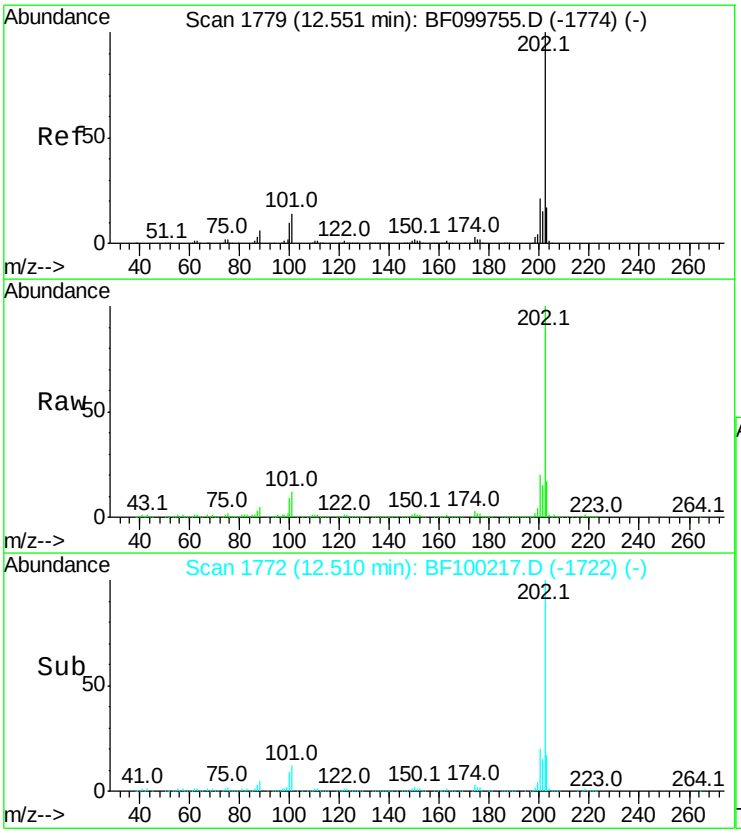
Tgt Ion:167 Resp: 47173

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.6	26.4
139	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

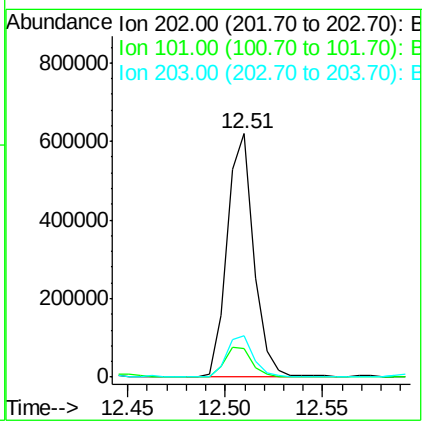
Manual Integrations APPROVED
Sohil
11/6/2017 2:33:19 PM

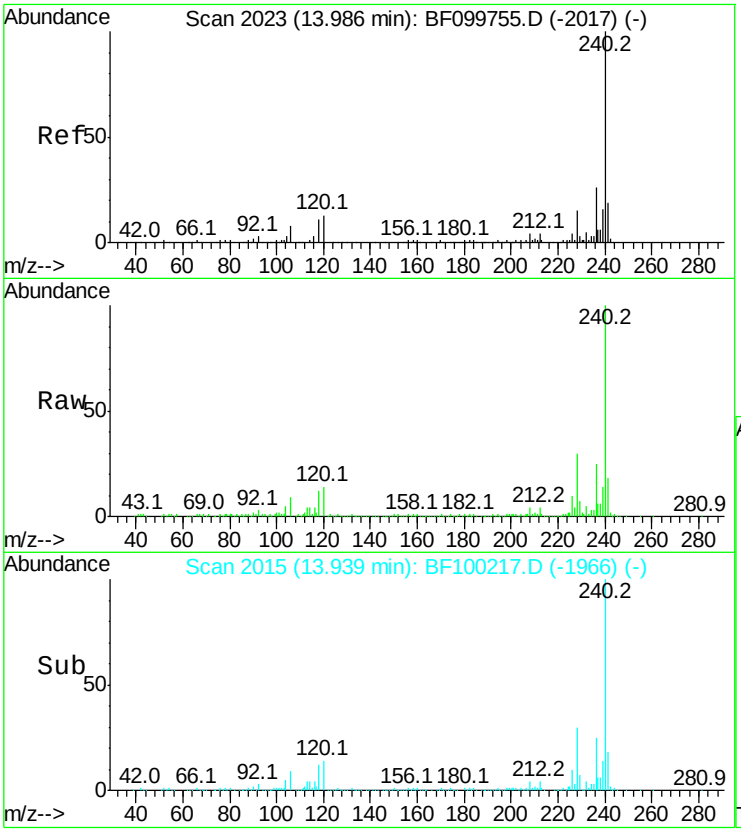


#74
Fluoranthene
Concen: 38.660 ng
RT: 12.51 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:202 Resp: 587043

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.2	0.0	38.1

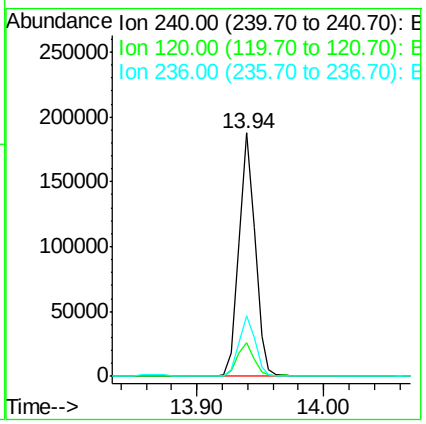




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:240 Resp: 165092

Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	24.9	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

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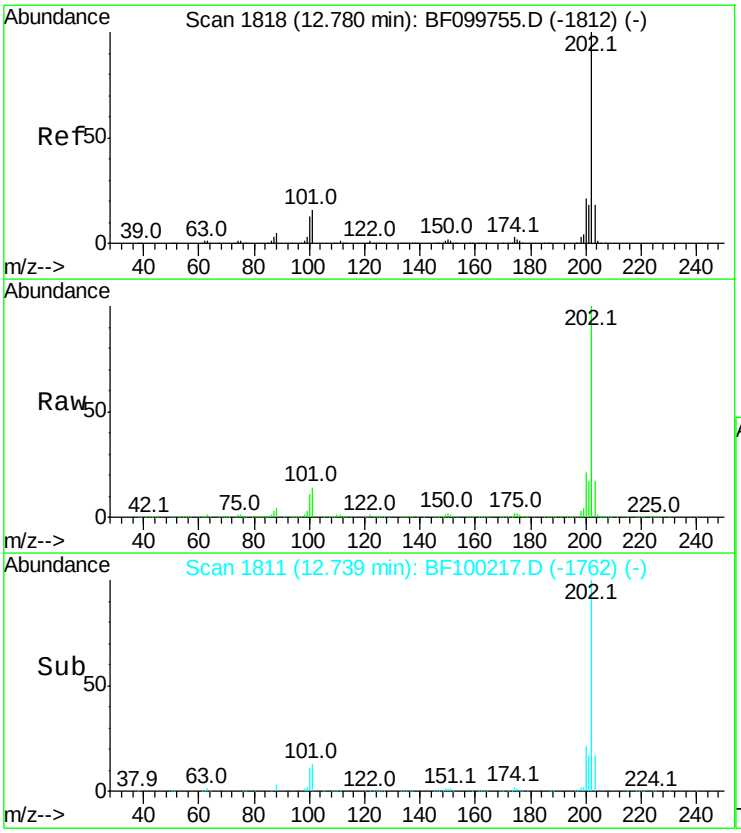
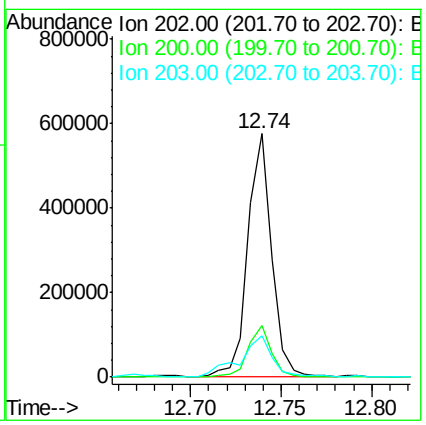
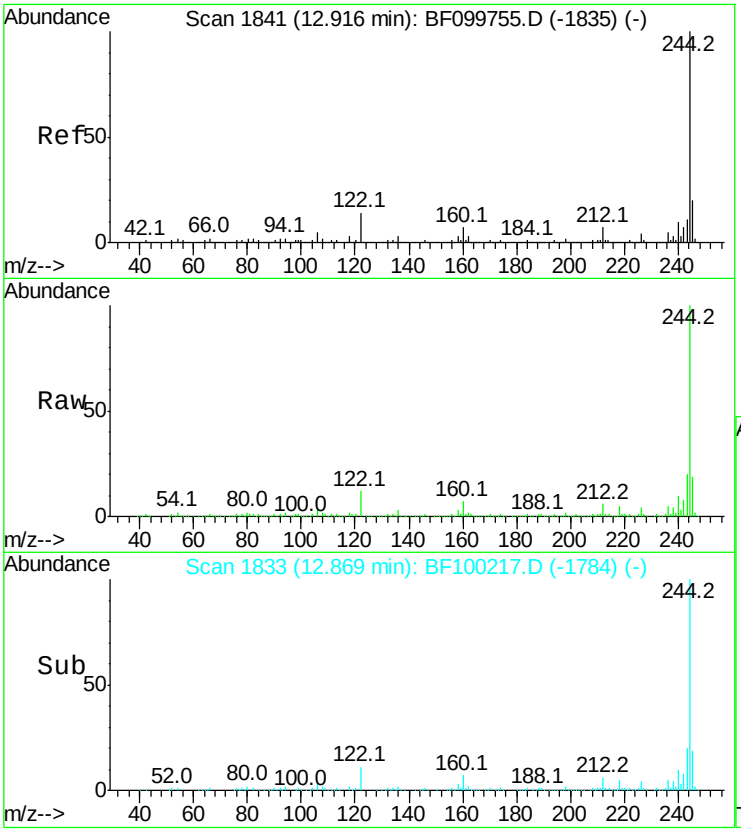


#77
Pyrene
Concen: 41.735 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:202 Resp: 523921

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.2	14.3	21.5

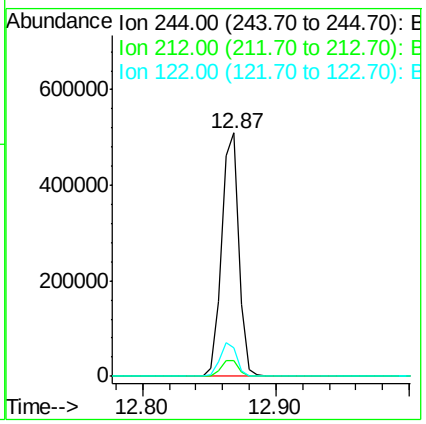




#78
Terphenyl-d14
Concen: 61.489 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:244 Resp: 464512

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

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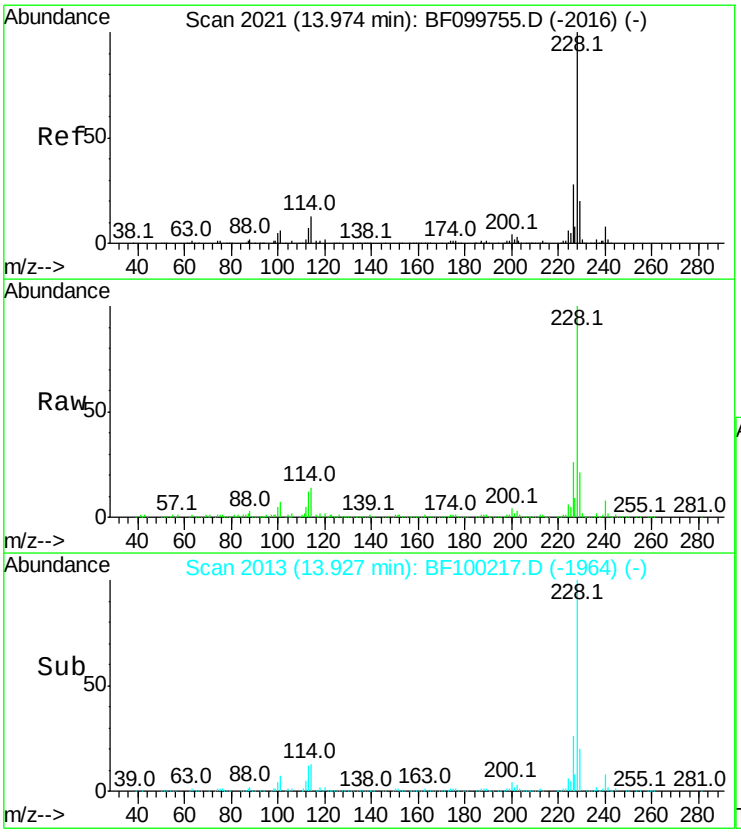
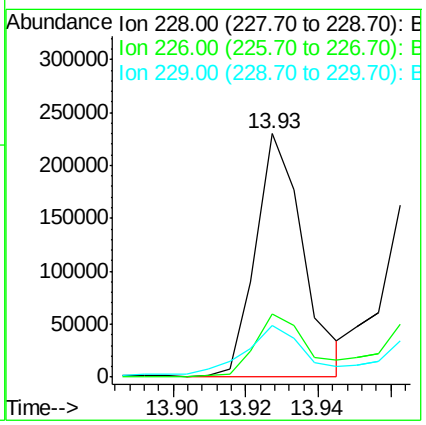
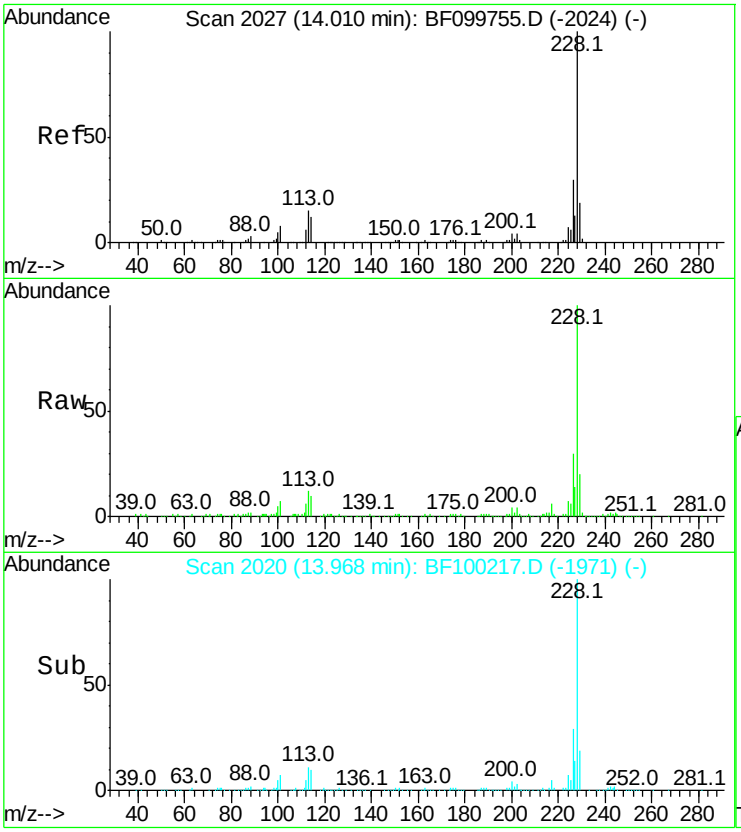


#80
Benzo(a)anthracene
Concen: 19.951 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:228 Resp: 208799

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	21.4	15.8	23.6

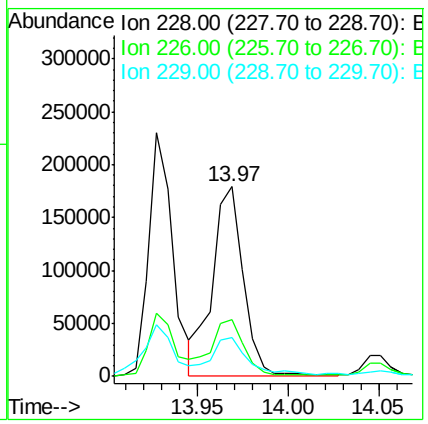




#82
Chrysene
Concen: 21.452 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:228 Resp: 211072

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	20.4	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

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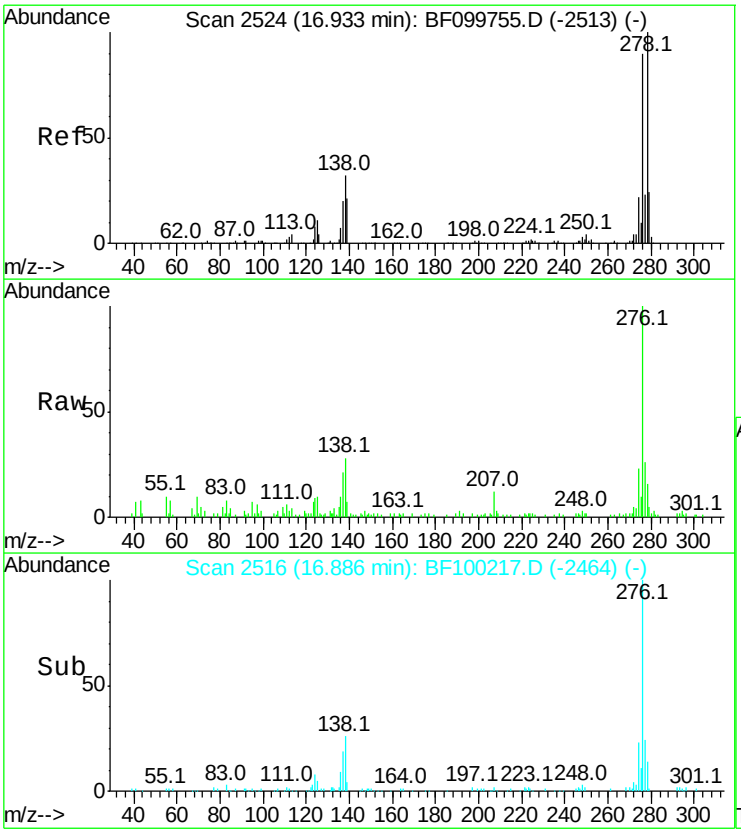
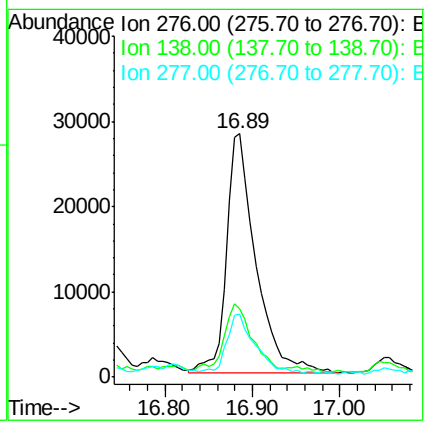
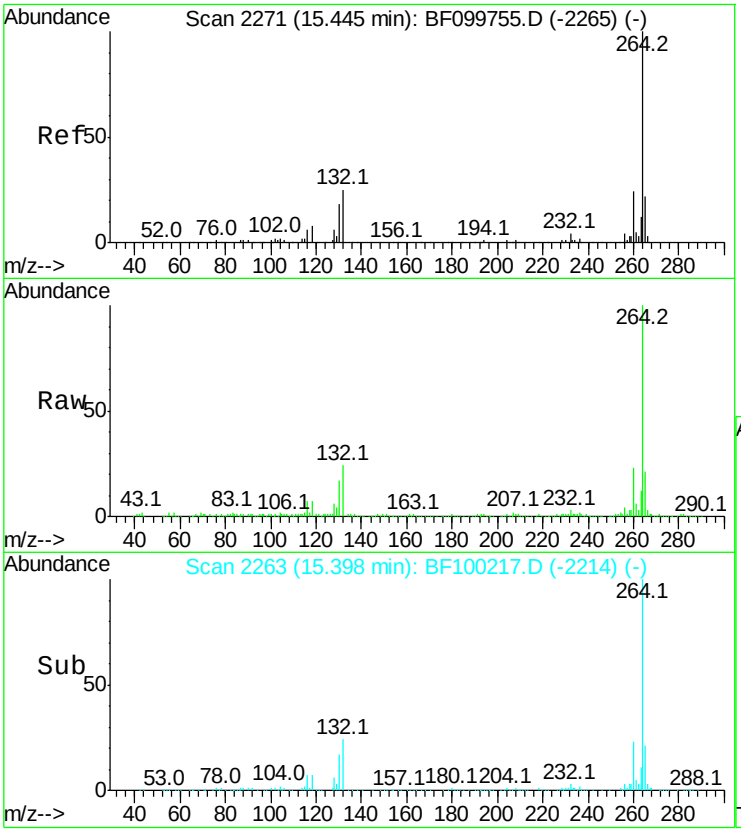


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.120 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:276 Resp: 64313

Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	22.9	20.1	30.1

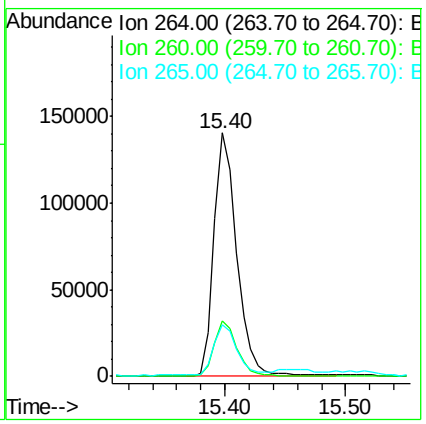




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:264 Resp: 184042

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

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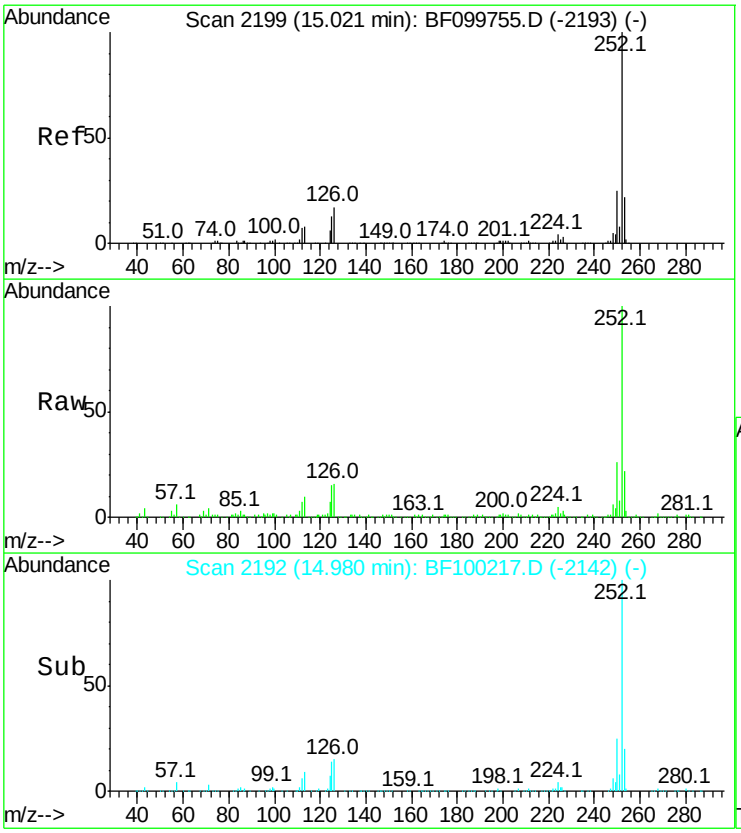
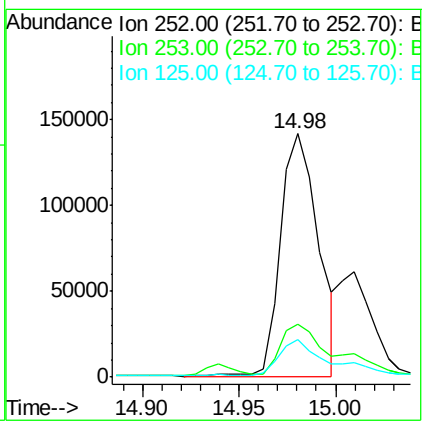
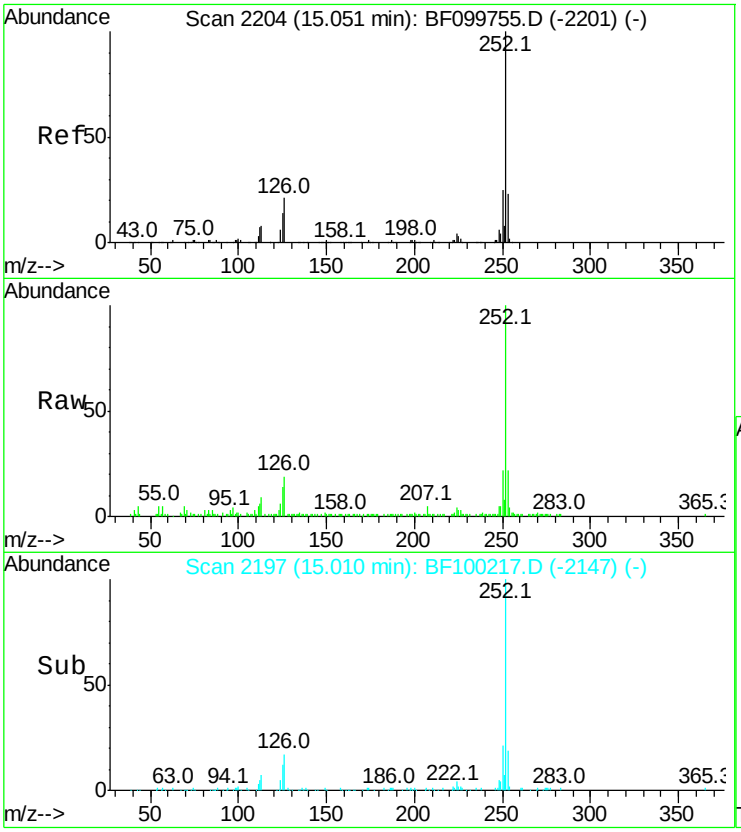


#87
Benzo(b)fluoranthene
Concen: 16.944 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:252 Resp: 196915

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	15.2	9.0	13.6#

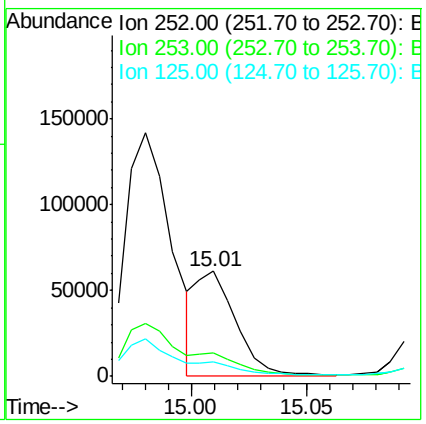




#88
Benzo(k)fluoranthene
Concen: 6.736 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:252 Resp: 73819

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	13.5	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
OK-02-110217

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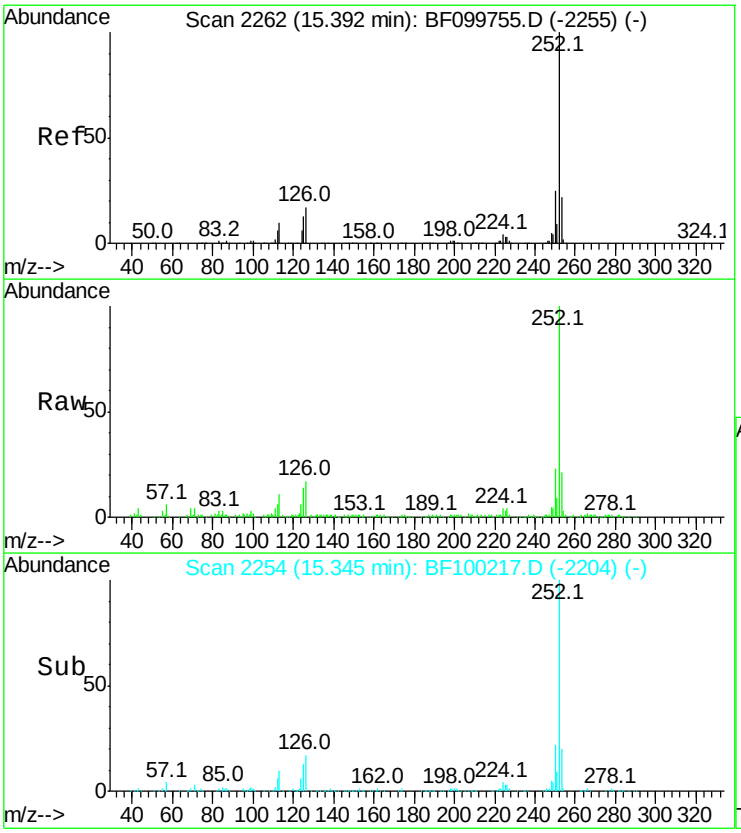
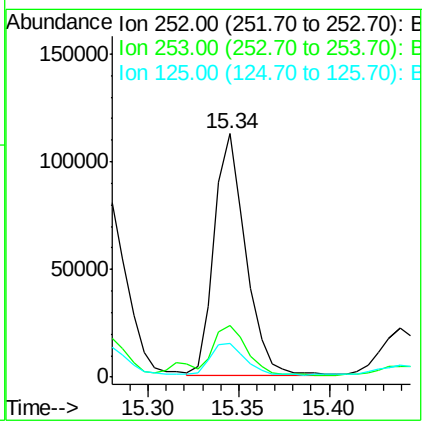
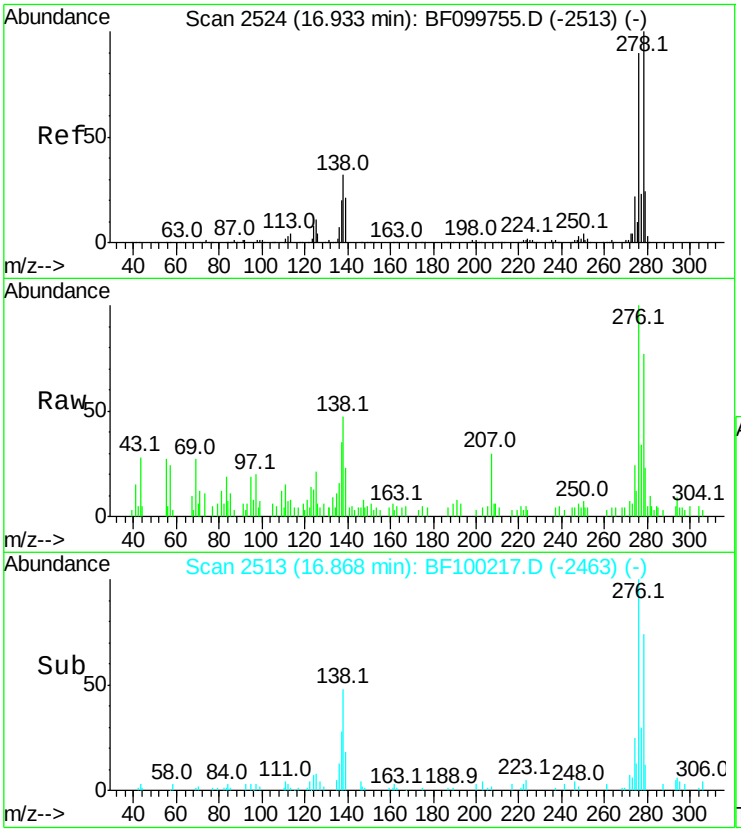


#89
Benzo(a)pyrene
Concen: 13.038 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:252 Resp: 136106

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	13.6	9.8	14.6





#90
Dibenzo(a,h)anthracene
Concen: 2.197 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:278 Resp: 20383

Ion	Ratio	Lower	Upper
278	100		
139	30.3	15.9	23.9#
279	30.3	19.0	28.4#

Instrument :
BNA_F
ClientSampleId :
OK-02-110217

Manual Integrations APPROVED
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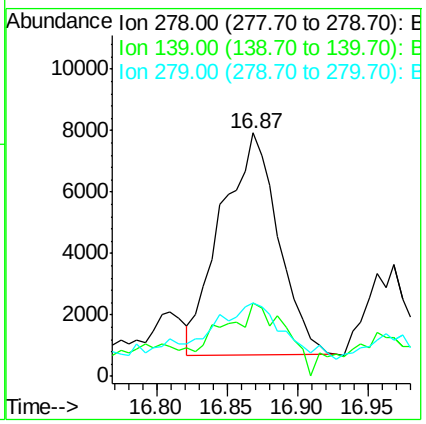

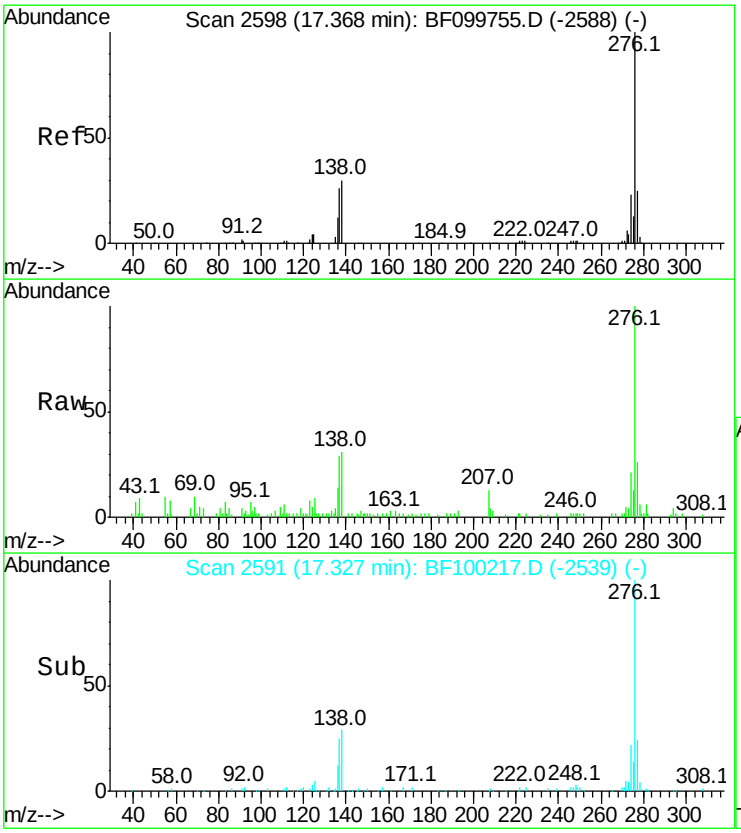

#91
Benzo(g,h,i)perylene
Concen: 6.560 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BF100217.D
Acq: 5 Nov 2017 12:16

Tgt Ion:276 Resp: 59532

Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	30.8	21.8	32.8