Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
Data File : BF101140.D
Acq On : 5 Dec 2017 23:18
Operator : SJ/JU
Sample : I6696-02DL 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
Sohil
12/6/2017 5:12:36 PM

Quant Time: Dec 06 03:09:27 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51941	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	197536	20.00	ng		0.00
38) Acenaphthene-d10	9.89	164	88836	20.00	ng		0.00
63) Phenanthrene-d10	11.37	188	161056	20.00	ng		0.00
75) Chrysene-d12	14.02	240	97869	20.00	ng		0.00
86) Perylene-d12	15.49	264	109002	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	11628	3.70	ng		0.00
7) Phenol-d6	6.47	99	14266	3.74	ng		0.00
23) Nitrobenzene-d5	7.41	82	8706	2.63	ng		0.00
41) 2,4,6-Tribromophenol	10.67	330	3062	2.87	ng		0.00
44) 2-Fluorobiphenyl	9.20	172	15329	2.36	ng		-0.01
78) Terphenyl-d14	12.95	244	11046	2.47	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.15	128	37024	3.803	ng		98
51) Acenaphthene	9.92	154	90732	15.951	ng		96
57) Fluorene	10.43	166	47139	7.074	ng		98
70) Phenanthrene	11.40	178	367894	41.480	ng		98
71) Anthracene	11.45	178	113841	12.682	ng		98
74) Fluoranthene	12.59	202	197517	20.090	ng		96
77) Pyrene	12.82	202	229468	33.979	ng		98
80) Benzo(a)anthracene	14.00	228	69982m	11.325	ng		
82) Chrysene	14.04	228	55206	9.620	ng		97
85) Indeno(1,2,3-cd)pyrene	16.97	276	29412	5.765	ng	#	87
87) Benzo(b)fluoranthene	15.06	252	65152m	9.979	ng		
88) Benzo(k)fluoranthene	15.09	252	16860m	2.621	ng		
89) Benzo(a)pyrene	15.43	252	63580	10.712	ng		99
91) Benzo(g,h,i)perylene	17.42	276	28502m	5.780	ng		

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

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BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
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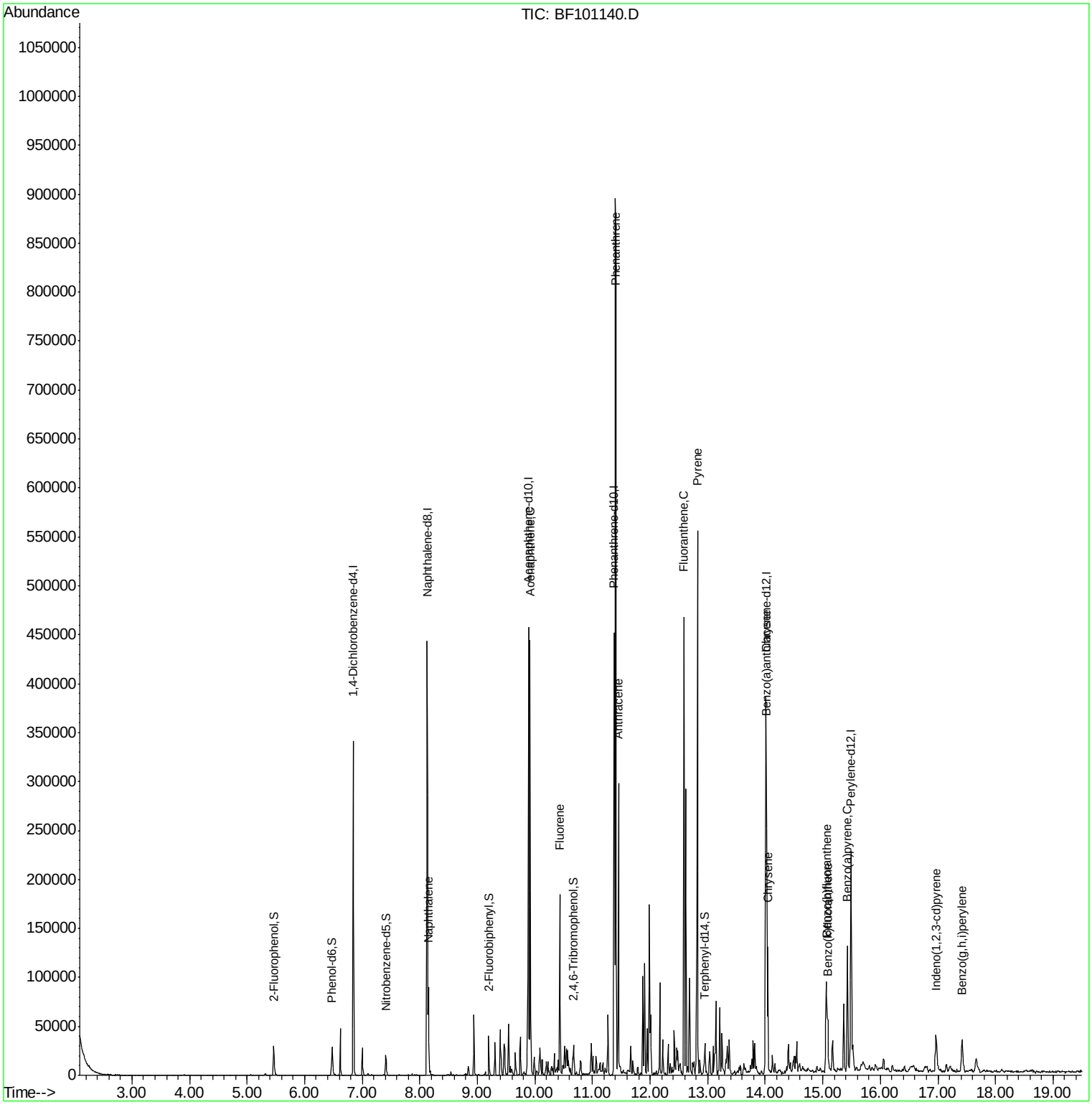
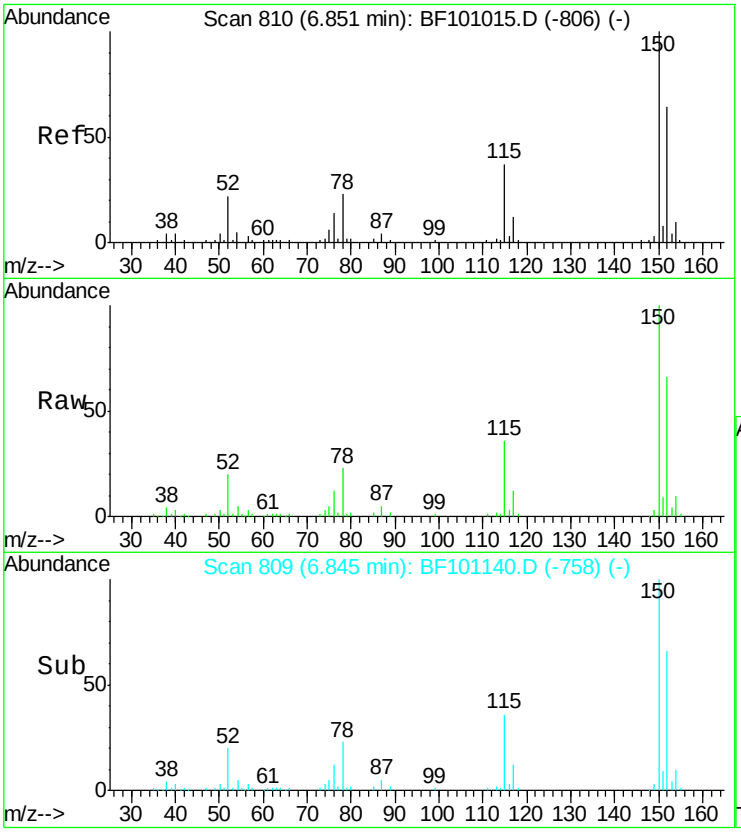
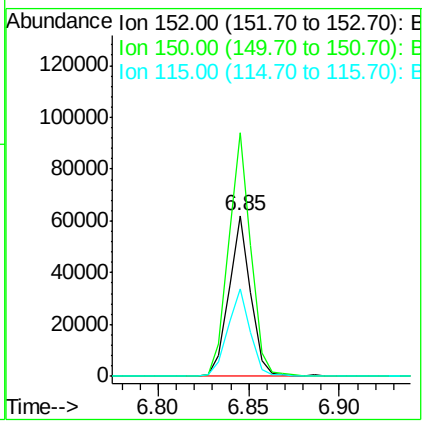




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:152 Resp: 51941

Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.6	186.8
115	54.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
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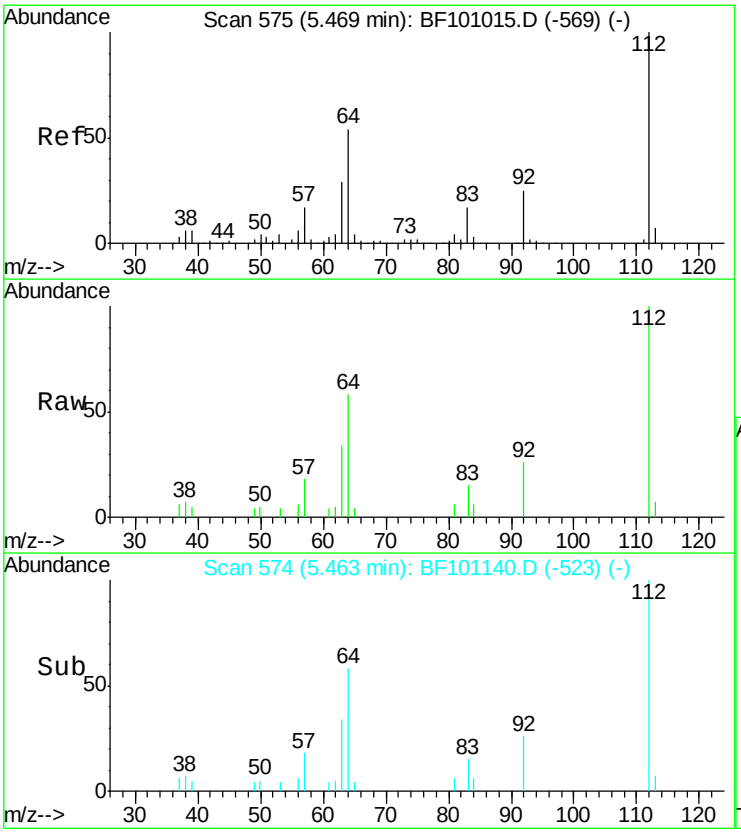
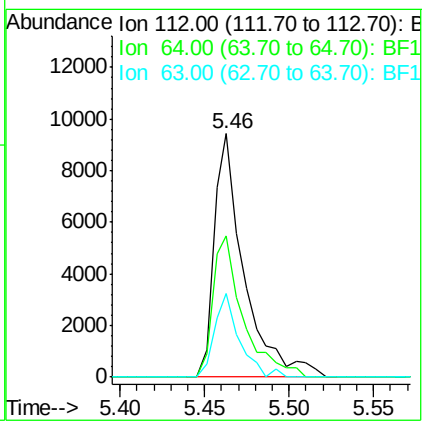
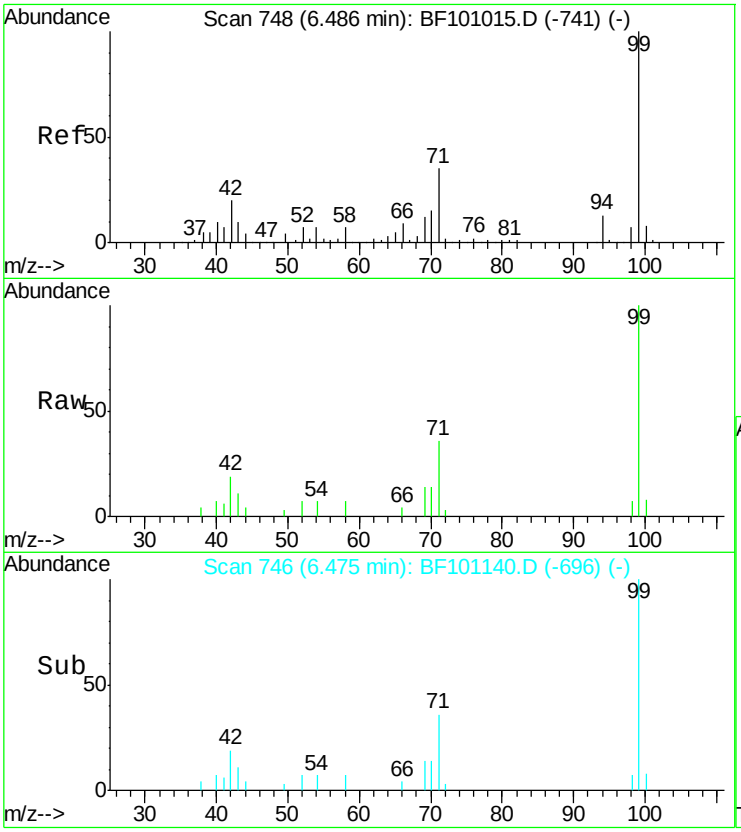


#5
2-Fluorophenol
Concen: 3.699 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:112 Resp: 11628

Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	34.4	23.7	35.5

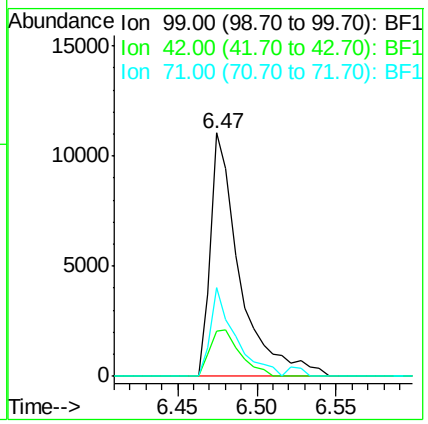




#7
Phenol-d6
Concen: 3.738 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion: 99 Resp: 14266

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.5	21.7
71	36.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

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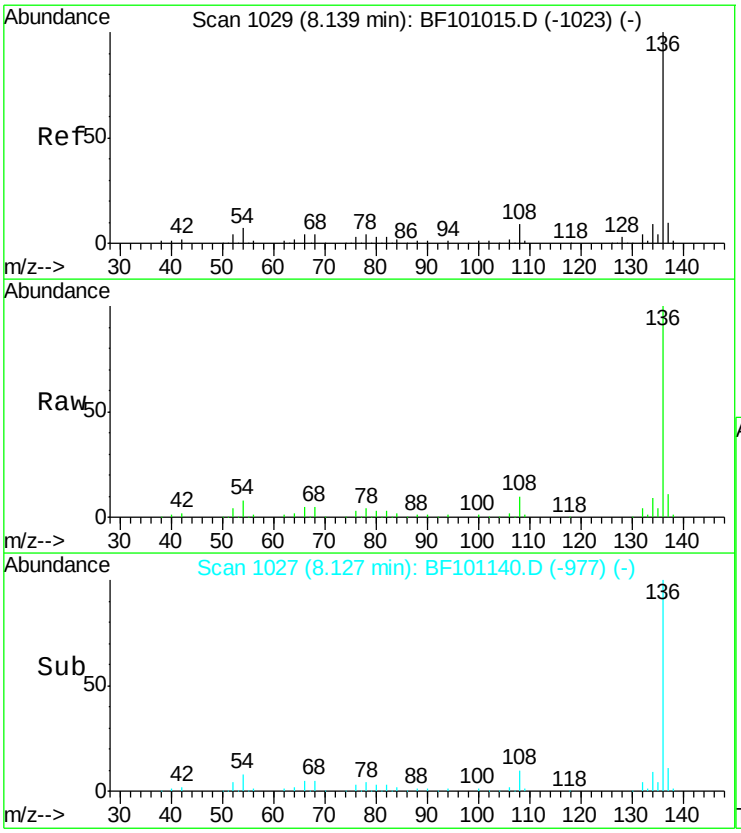
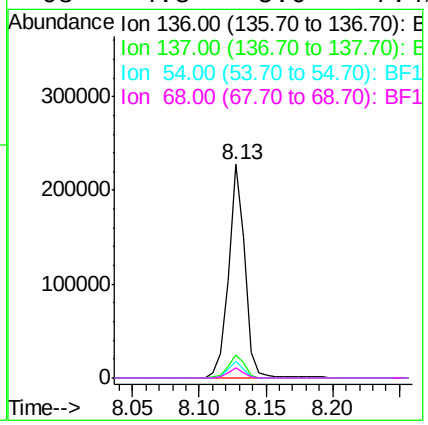
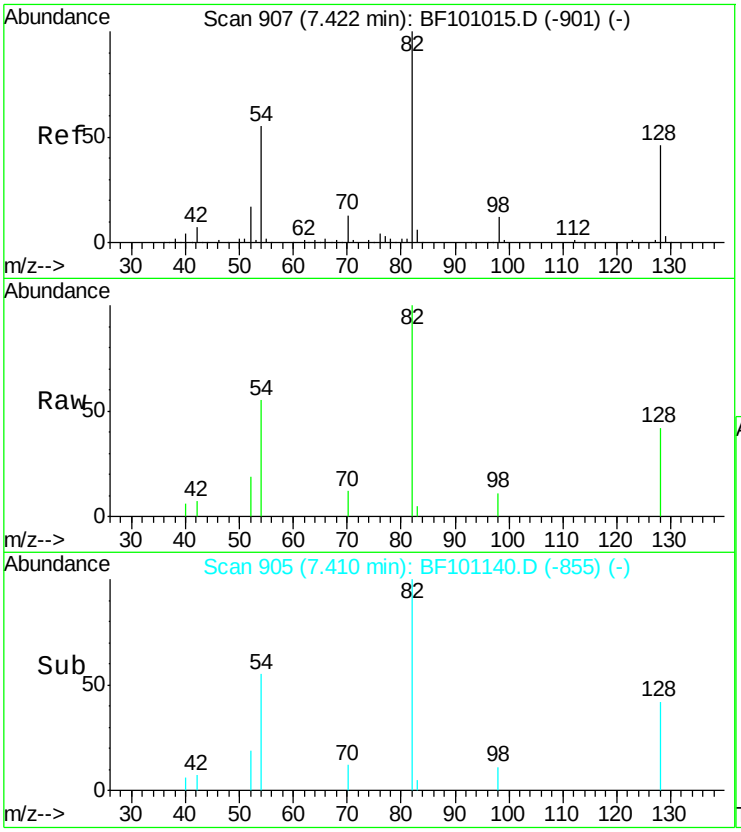


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:136 Resp: 197536

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.0	6.6	9.8
68	4.8	5.0	7.4#

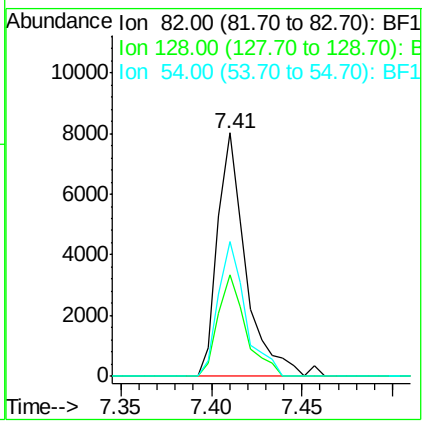




#23
Nitrobenzene-d5
Concen: 2.629 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion: 82 Resp: 8706

Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	55.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

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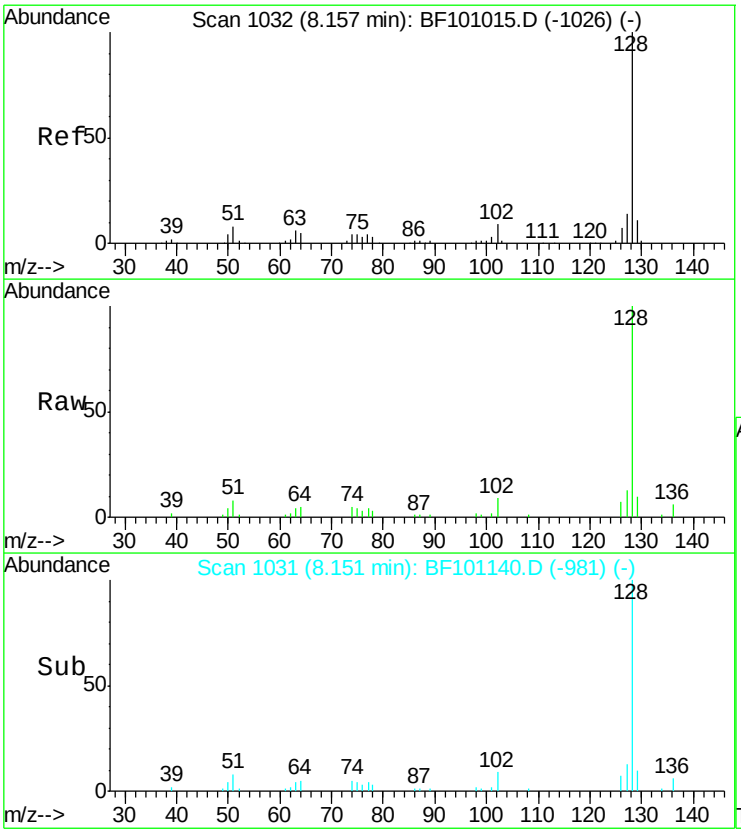
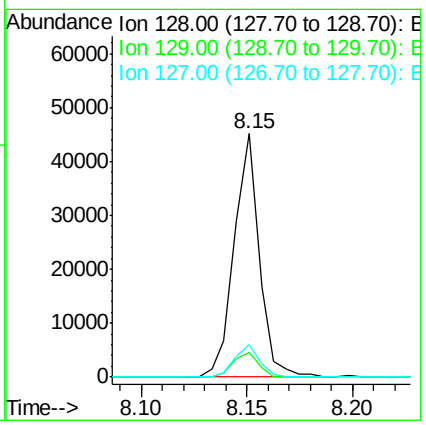
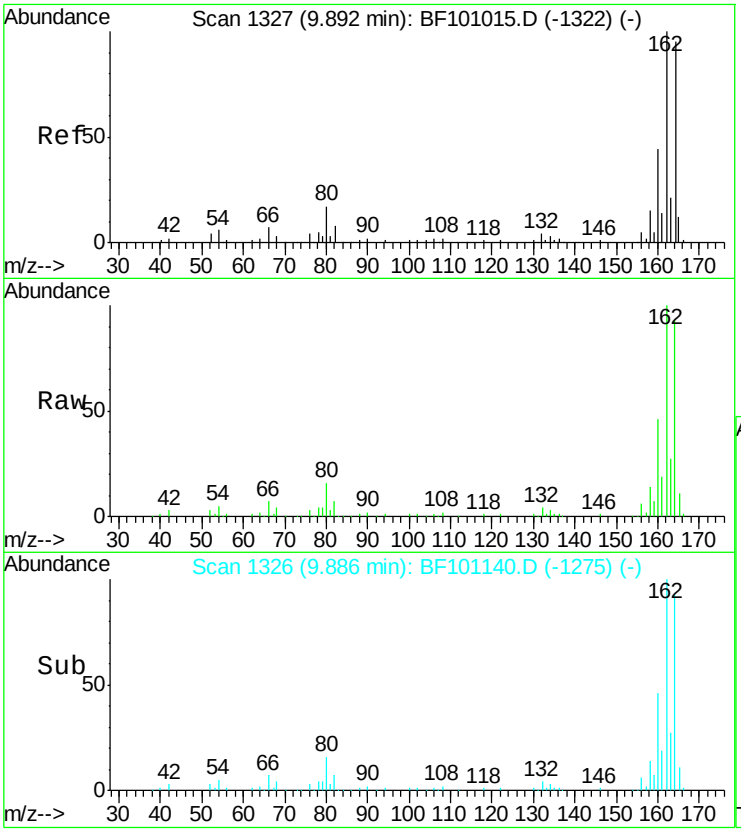


#31
Naphthalene
Concen: 3.803 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:128 Resp: 37024

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	13.1	10.9	16.3

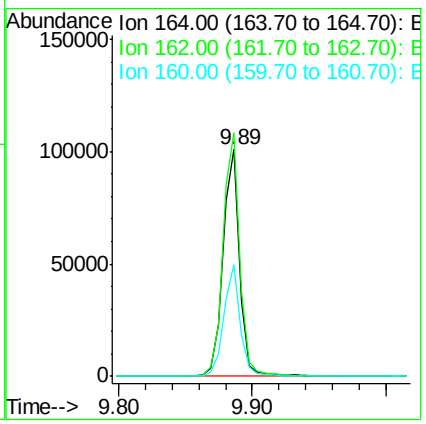




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:164 Resp: 88836

Ion	Ratio	Lower	Upper
164	100		
162	107.5	86.1	129.1
160	49.4	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
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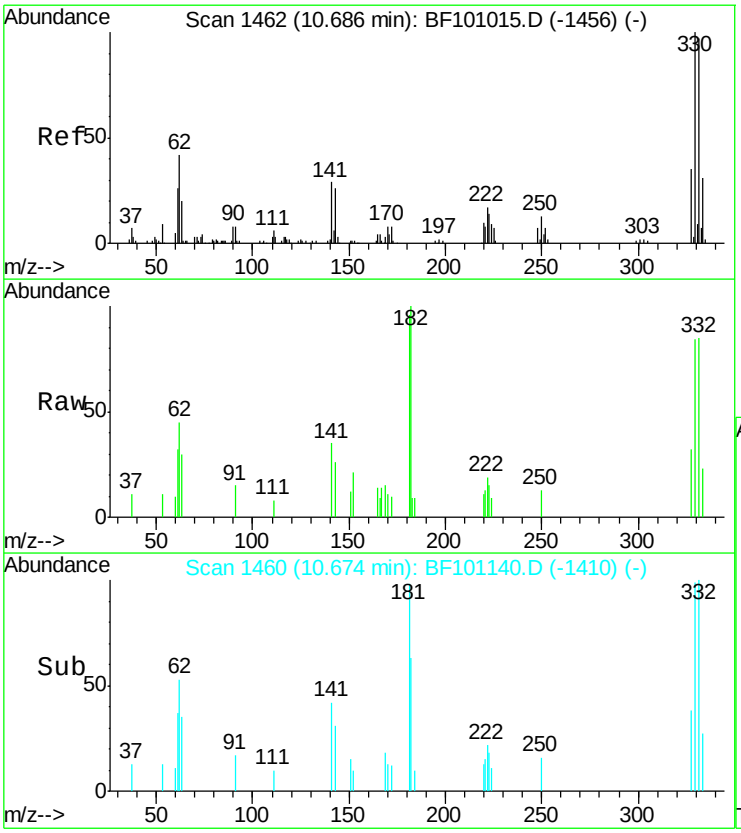
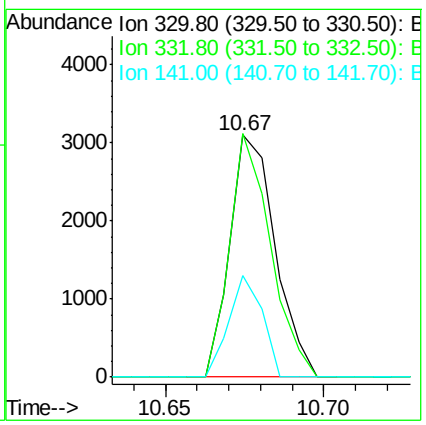
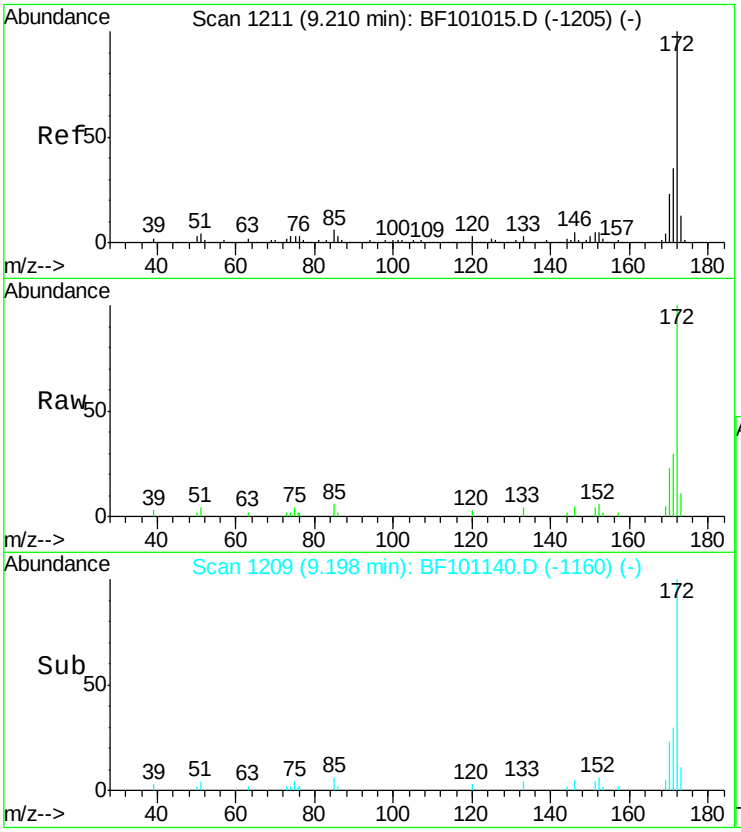


#41
2,4,6-Tribromophenol
Concen: 2.869 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:330 Resp: 3062

Ion	Ratio	Lower	Upper
330	100		
332	91.0	77.0	115.6
141	30.9	29.9	44.9

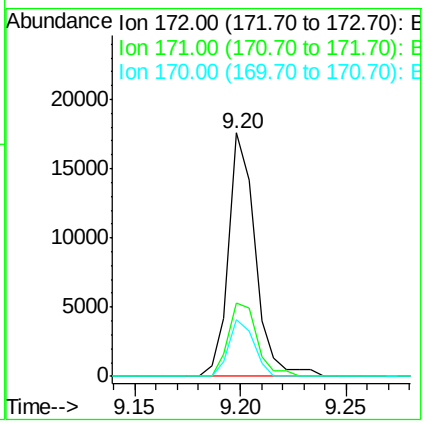




#44
2-Fluorobiphenyl
Concen: 2.361 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:172 Resp: 15329

Ion	Ratio	Lower	Upper
172	100		
171	30.3	29.7	44.5
170	23.5	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
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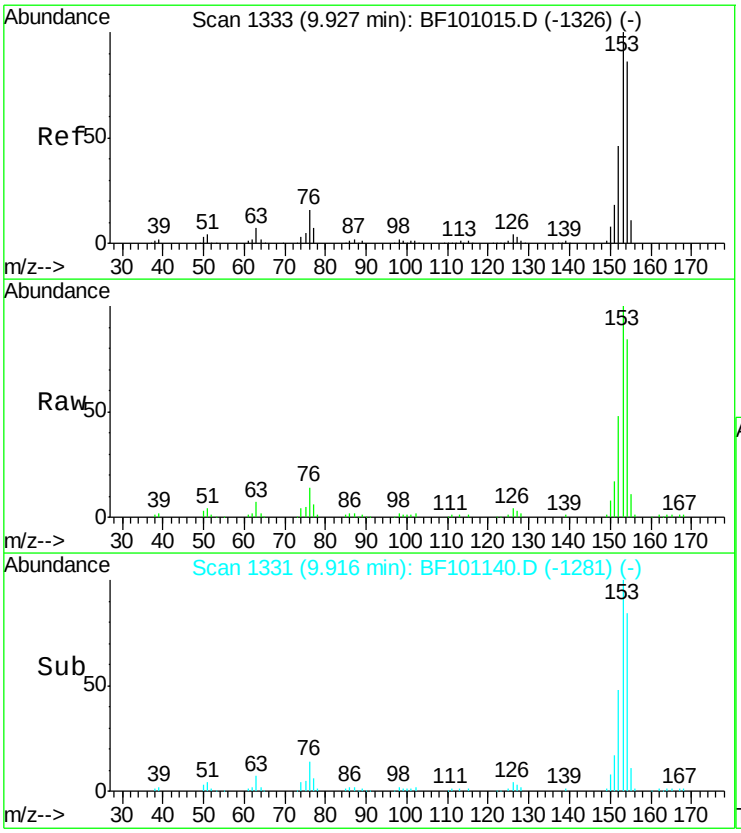
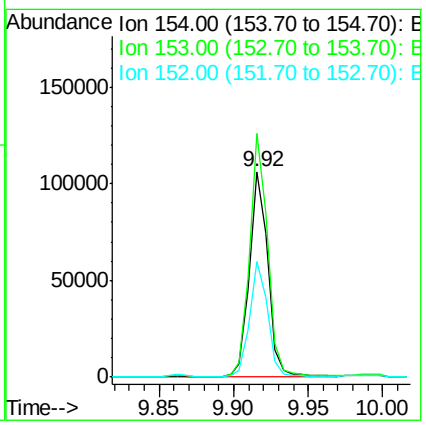
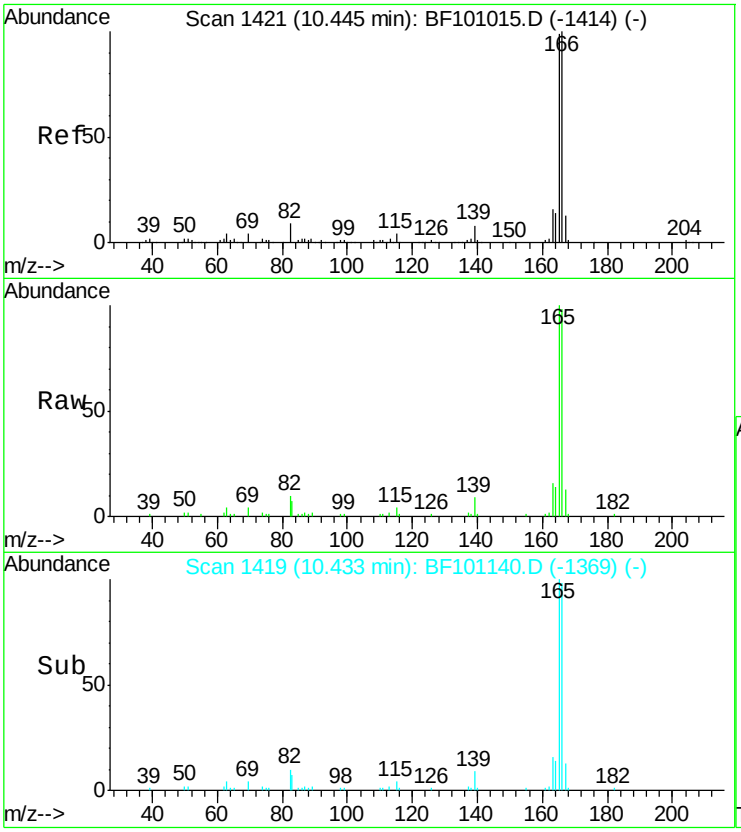


#51
Acenaphthene
Concen: 15.951 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:154 Resp: 90732

Ion	Ratio	Lower	Upper
154	100		
153	118.5	91.2	136.8
152	56.5	43.8	65.8

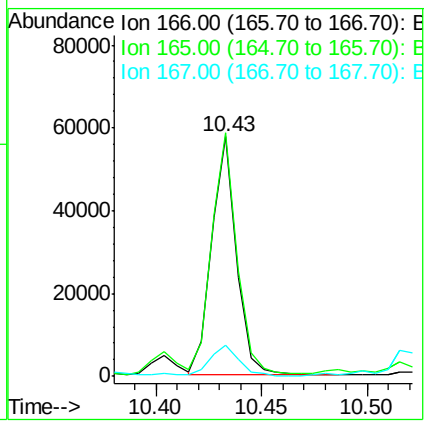




#57
Fluorene
Concen: 7.074 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:166 Resp: 47139

Ion	Ratio	Lower	Upper
166	100		
165	101.8	79.8	119.8
167	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
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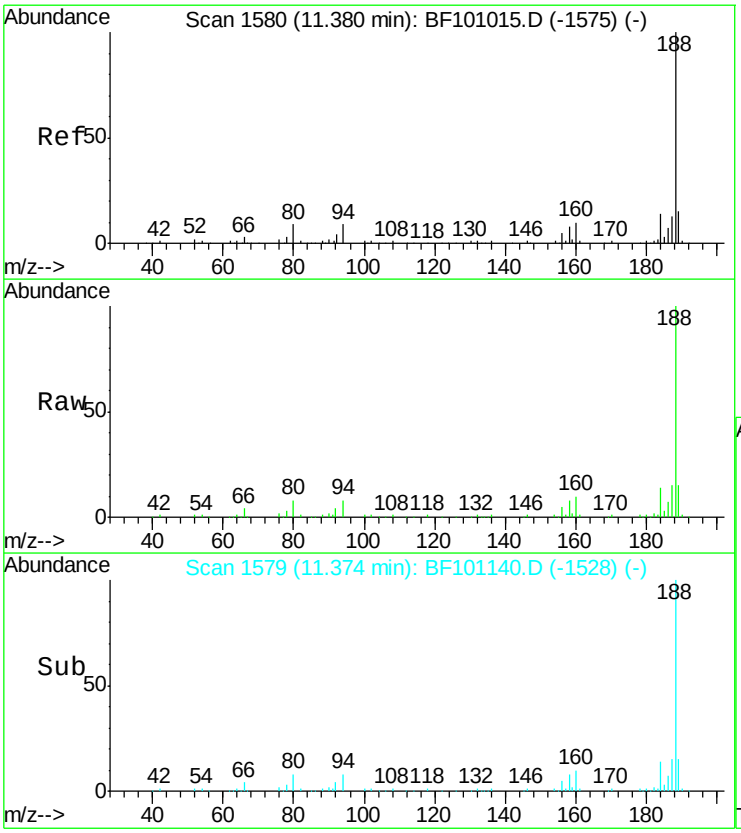
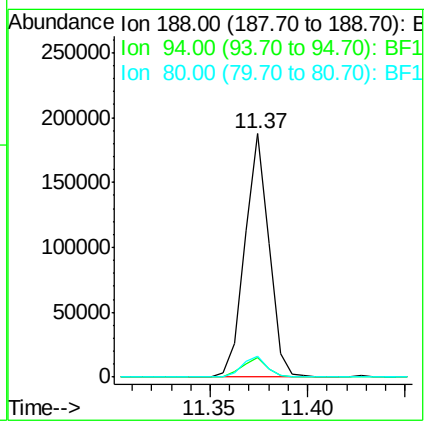
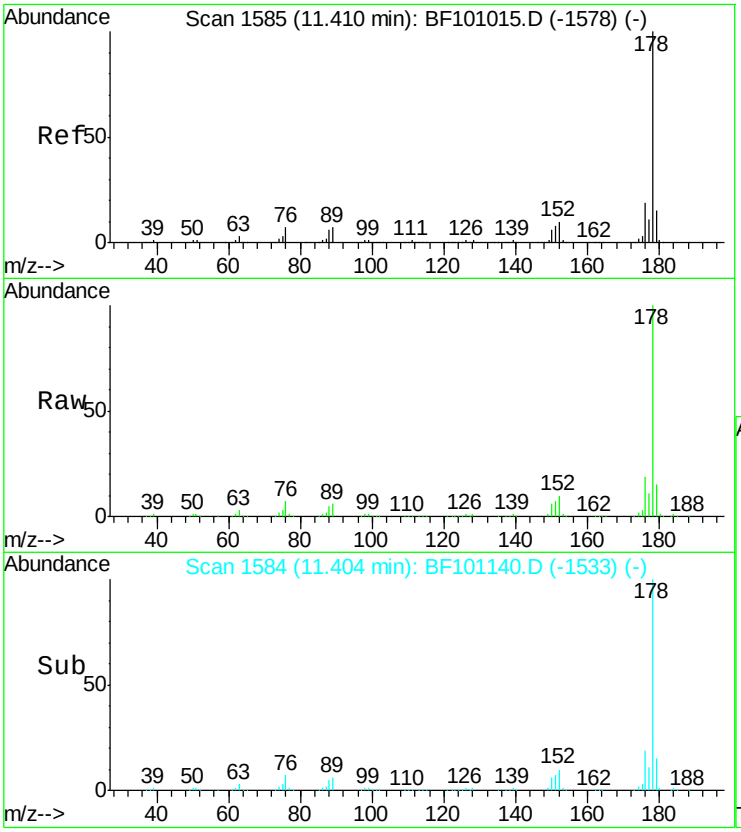


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:188 Resp: 161056

Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.3	9.2	13.8#

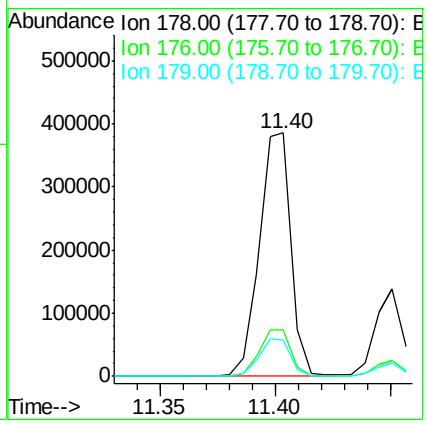




#70
Phenanthrene
Concen: 41.480 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:178 Resp: 367894

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.7	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

Manual Integrations APPROVED
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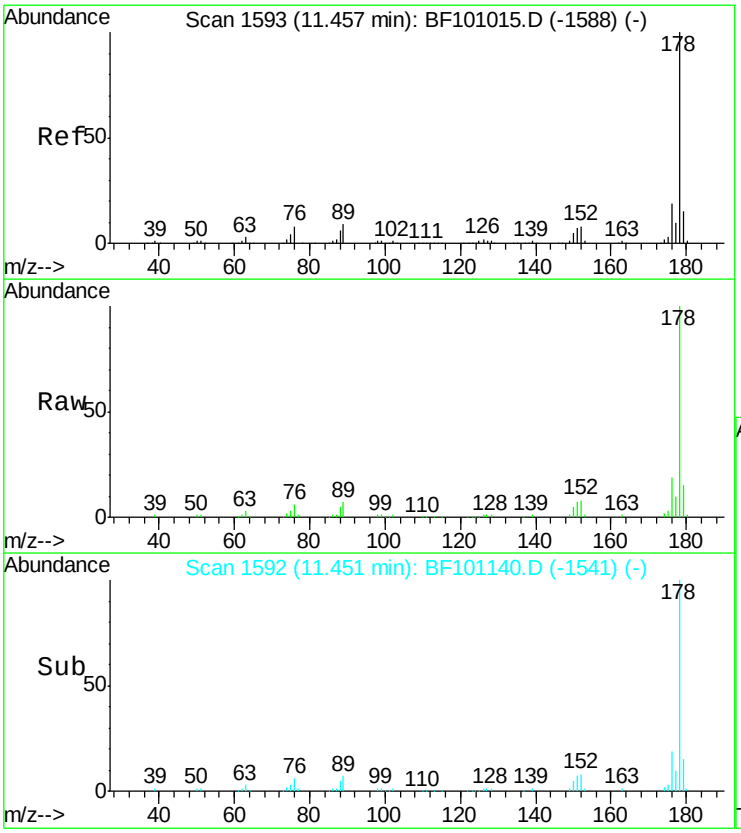
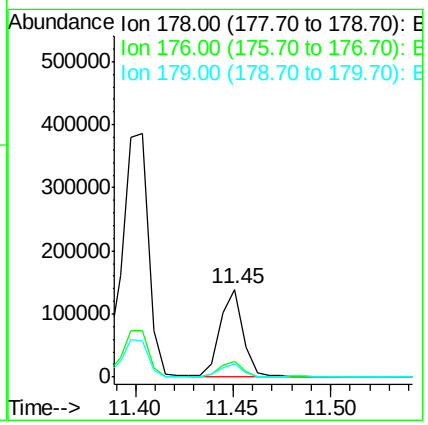
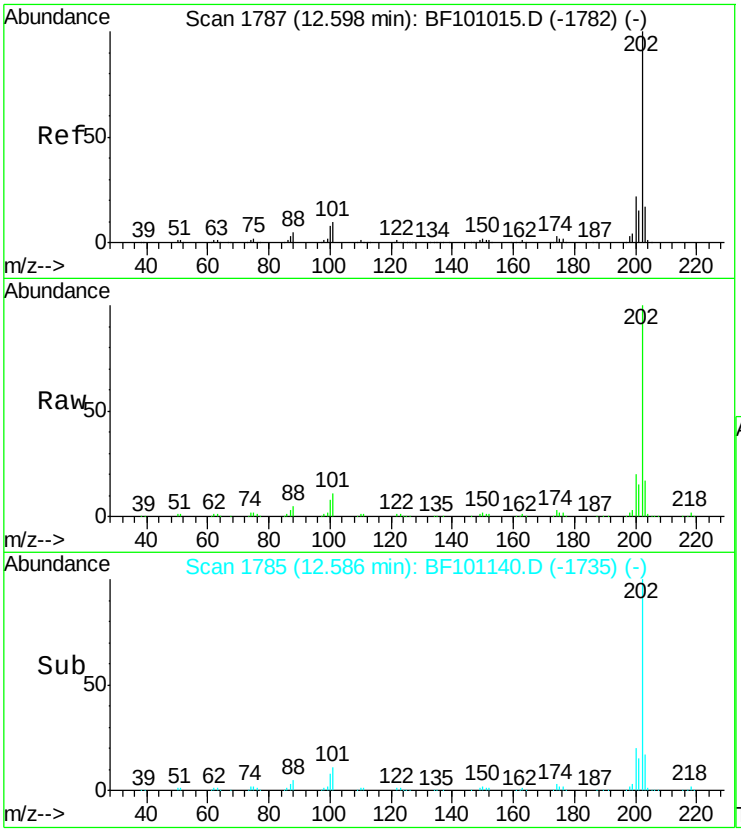


#71
Anthracene
Concen: 12.682 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:178 Resp: 113841

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.0	12.6	19.0

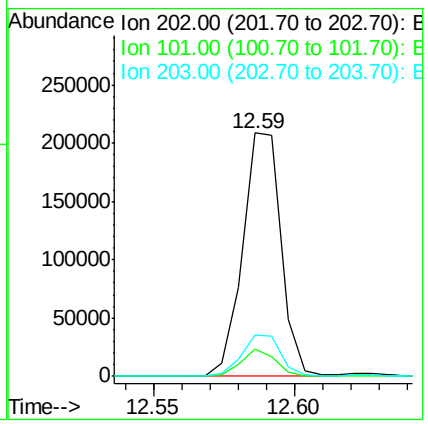




#74
Fluoranthene
Concen: 20.090 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

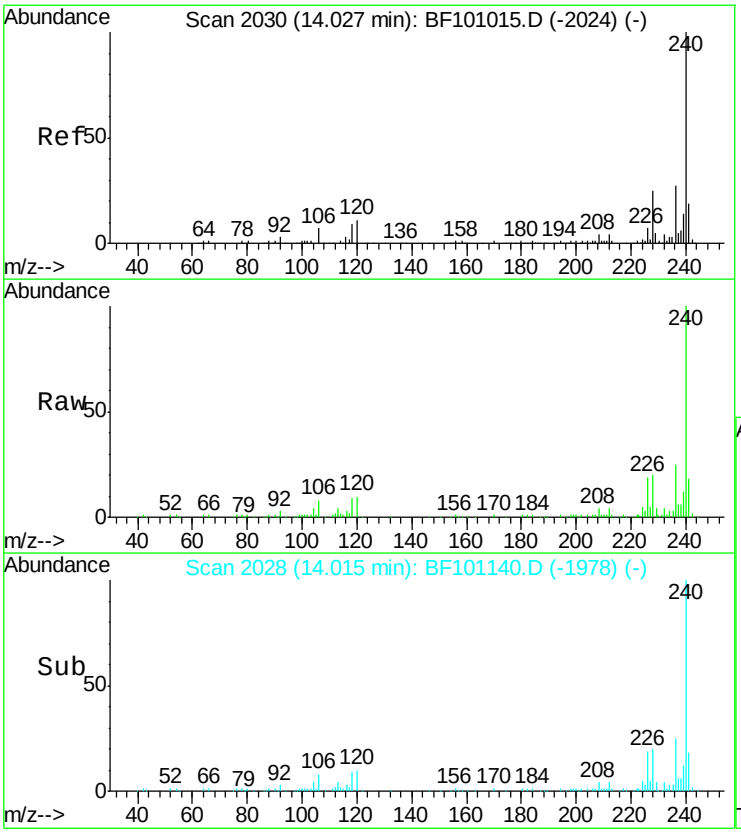
Tgt Ion:202 Resp: 197517

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

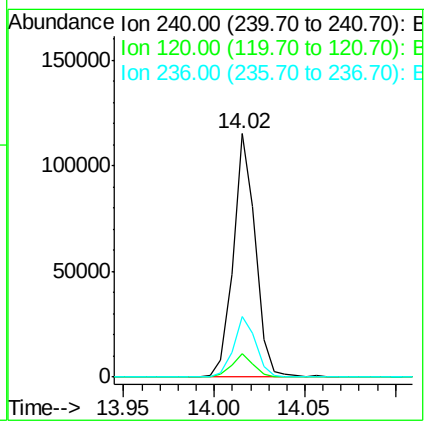
Manual Integrations APPROVED
Sohil
12/6/2017 5:12:36 PM

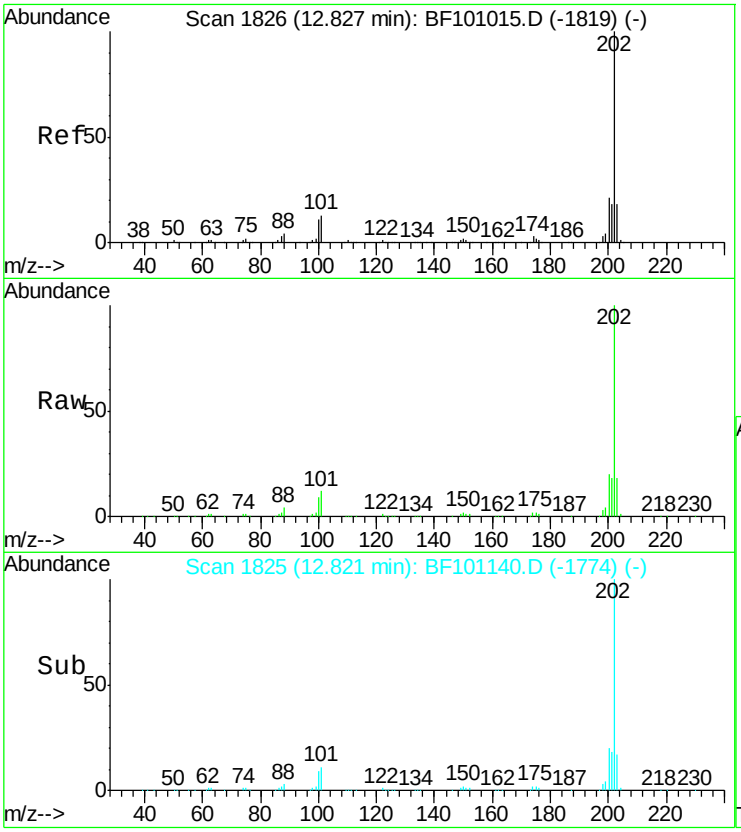


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:240 Resp: 97869

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.5	14.3
236	24.9	20.7	31.1

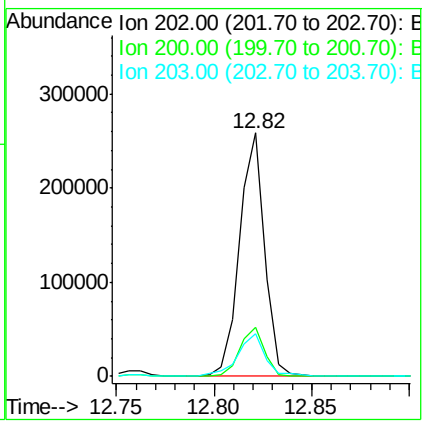




#77
Pyrene
Concen: 33.979 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:202 Resp: 229468

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.5	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
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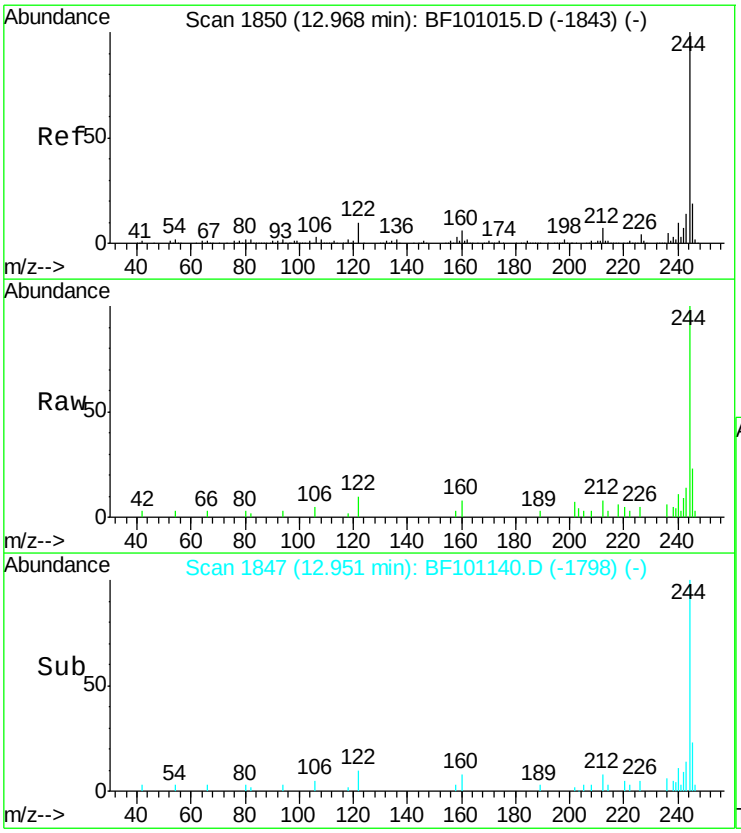
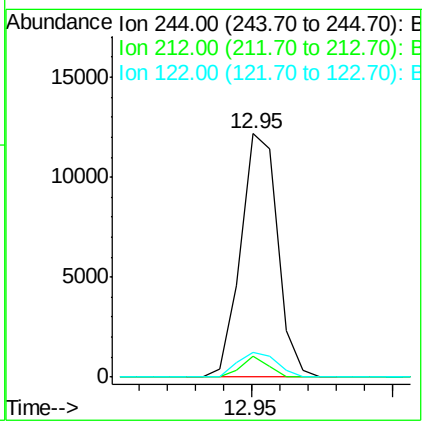
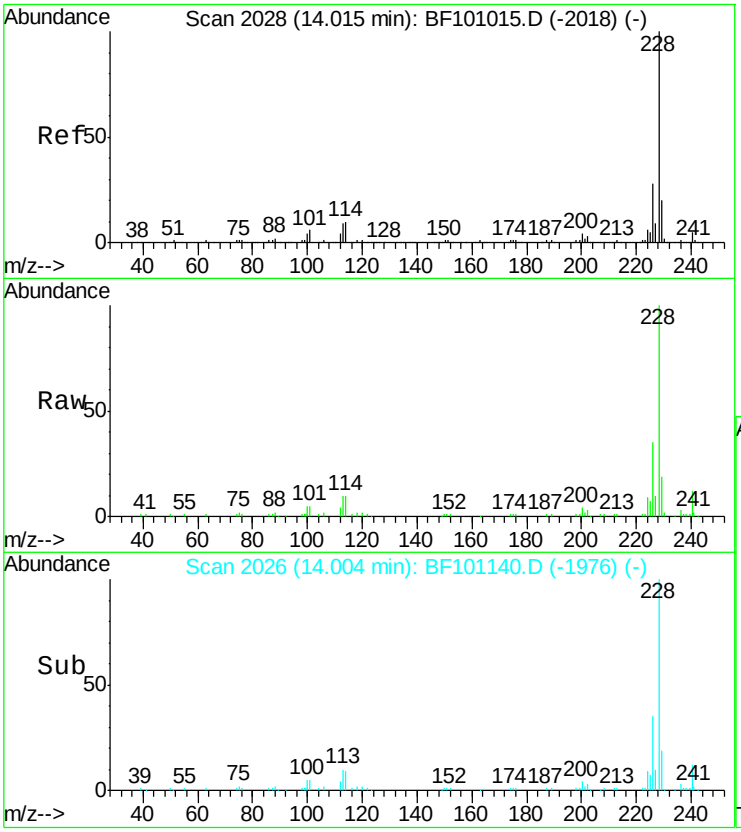


#78
Terphenyl-d14
Concen: 2.469 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:244 Resp: 11046

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.4	8.0#
122	10.4	11.0	16.4#





#80
Benzo(a)anthracene
Concen: 11.325 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:228 Resp: 69982

Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.6	33.8#
229	19.3	15.8	23.6

Instrument :
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ClientSampleId :
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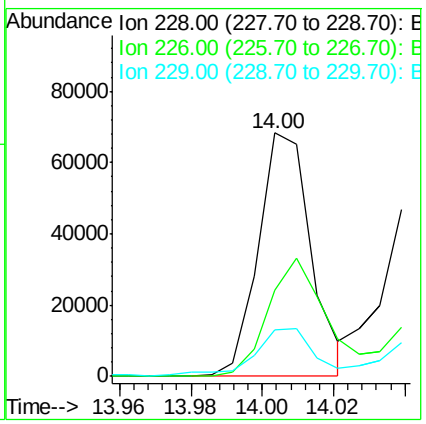
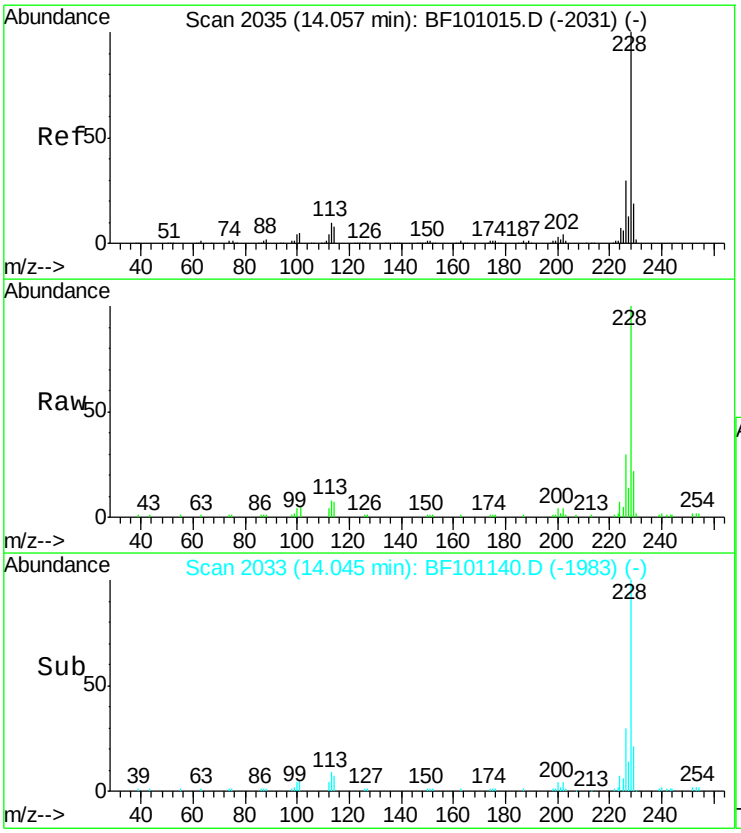
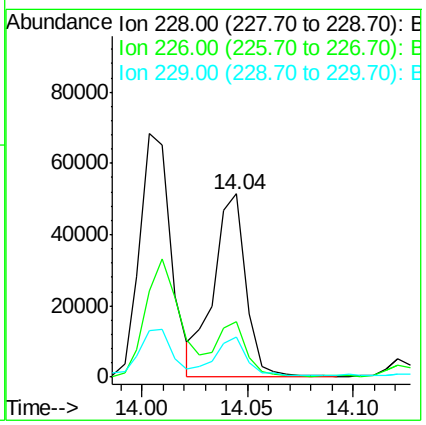


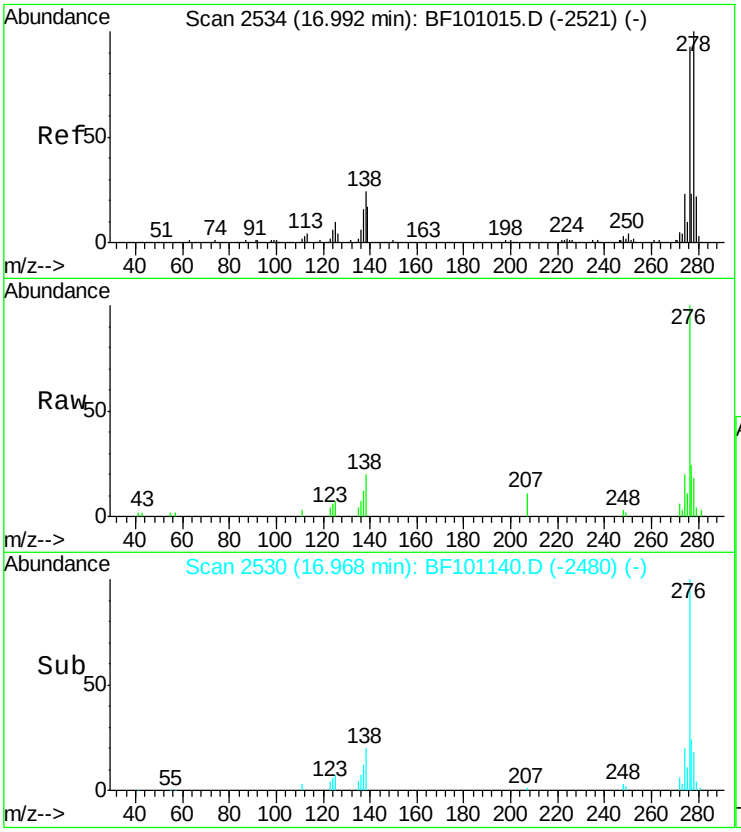


#82
Chrysene
Concen: 9.620 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:228 Resp: 55206

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.9	16.2	24.4

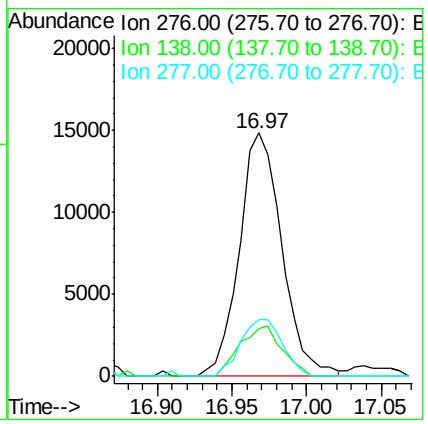




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.765 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:276 Resp: 29412

Ion	Ratio	Lower	Upper
276	100		
138	20.5	25.0	37.6#
277	22.9	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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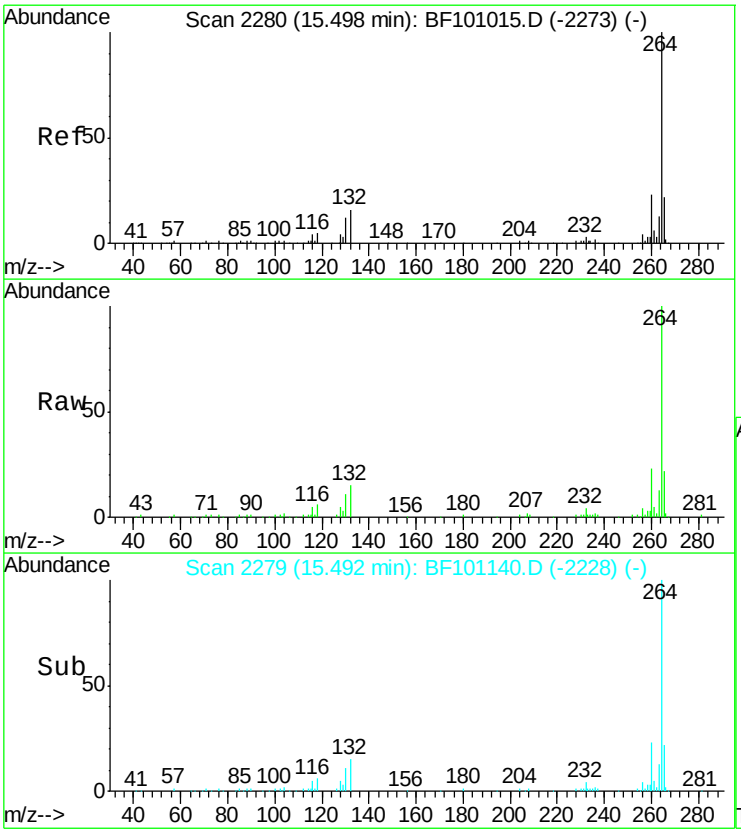
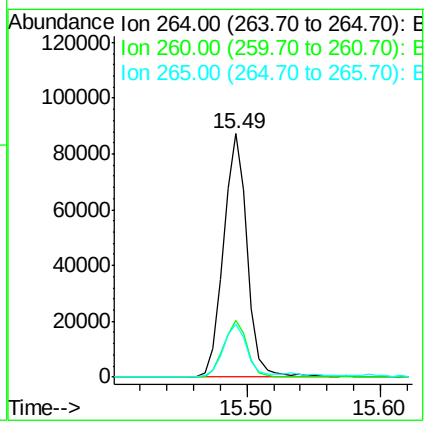
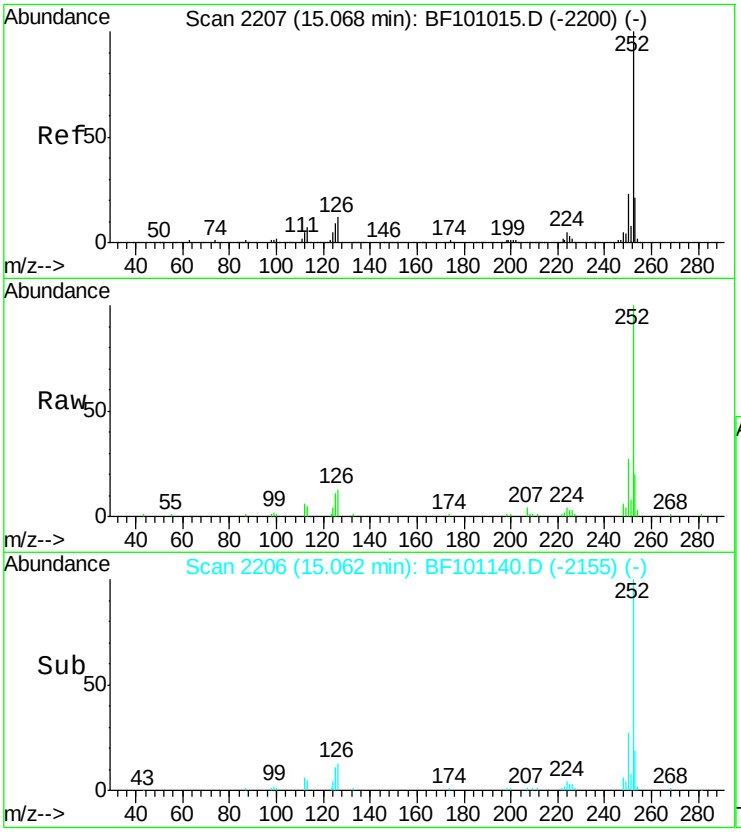


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:264 Resp: 109002

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.7	17.5	26.3

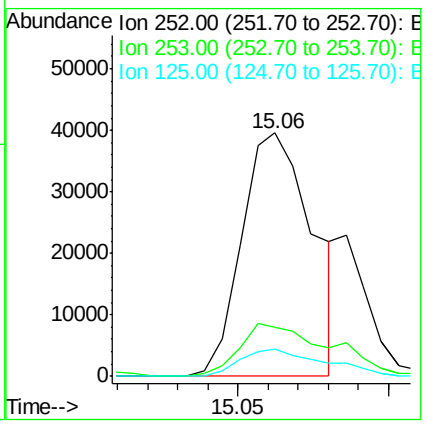




#87
Benzo(b)fluoranthene
Concen: 9.979 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:252 Resp: 65152

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	11.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

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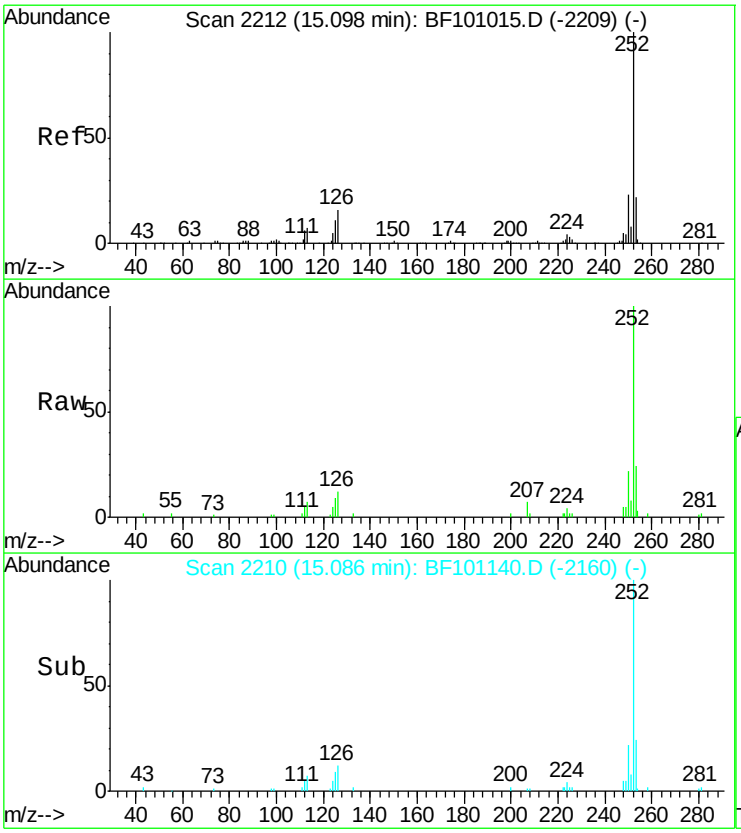
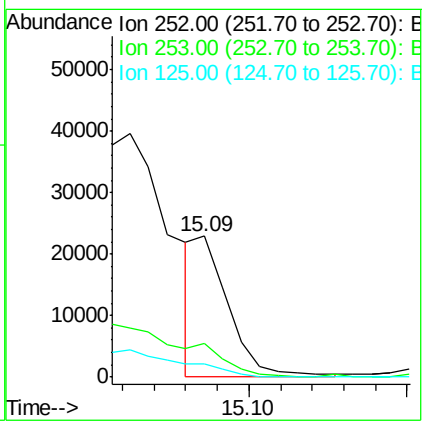
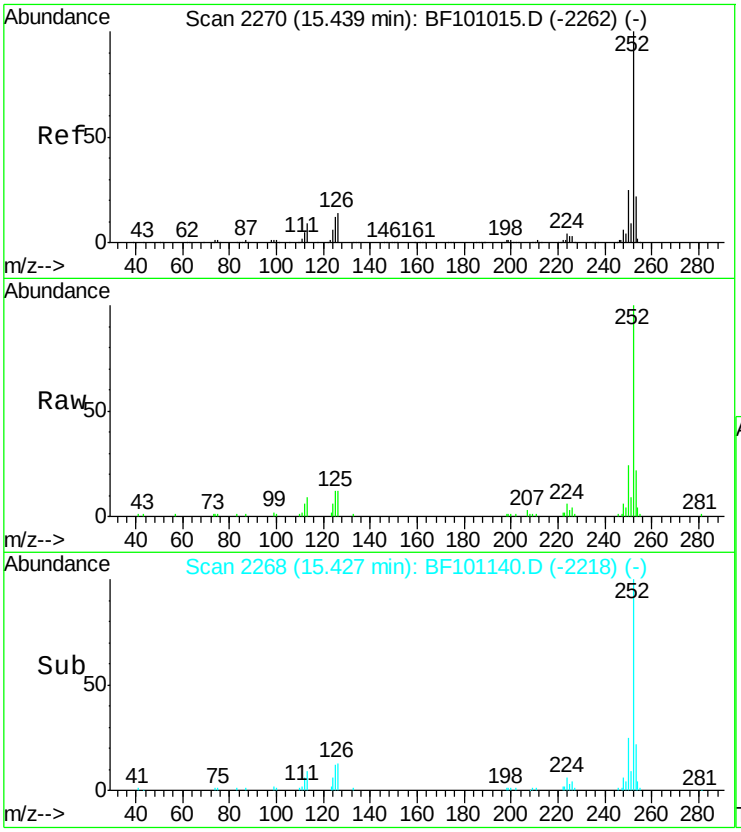


#88
Benzo(k)fluoranthene
Concen: 2.621 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:252 Resp: 16860

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	9.0	10.2	15.2#

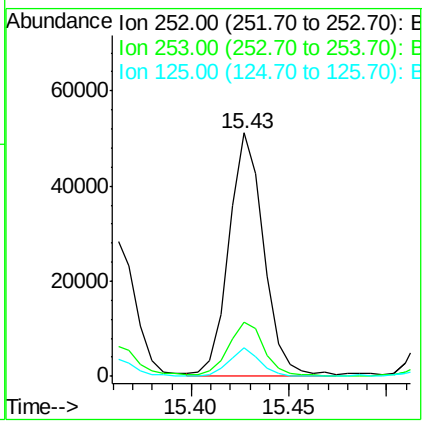




#89
Benzo(a)pyrene
Concen: 10.712 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:252 Resp: 63580

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	12.0	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
CS-TP102-B(1-2)DL

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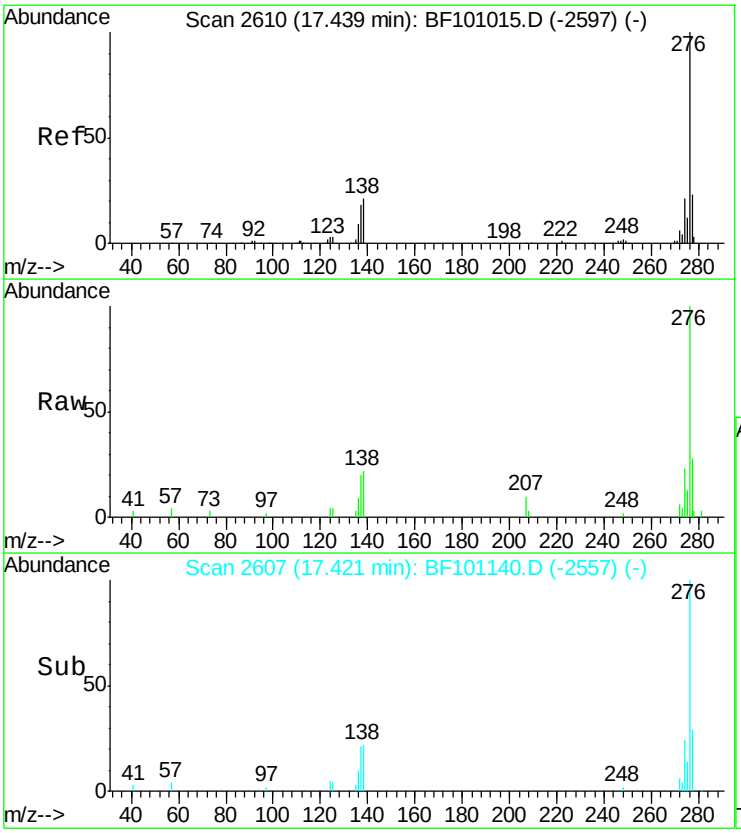

#91
Benzo(g,h,i)perylene
Concen: 5.780 ng m
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF101140.D
Acq: 5 Dec 2017 23:18

Tgt Ion:276 Resp: 28502

Ion	Ratio	Lower	Upper
276	100		
277	28.0	17.9	26.9#
138	21.9	21.8	32.8