Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098872.D
Acq On : 27 Sep 2017 19:38
Operator : SJ/JU
Sample : I5404-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
Sohil
9/28/2017 2:32:21 PM

Quant Time: Sep 28 11:06:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	139071	20.00	ng		-0.01
21) Naphthalene-d8	8.19	136	580736	20.00	ng		-0.01
38) Acenaphthene-d10	9.95	164	258722	20.00	ng		-0.01
63) Phenanthrene-d10	11.44	188	440646	20.00	ng		0.00
75) Chrysene-d12	14.07	240	288066	20.00	ng		-0.01
86) Perylene-d12	15.57	264	288639	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	214429	24.54	ng		-0.02
7) Phenol-d6	6.53	99	264355	24.53	ng		-0.02
23) Nitrobenzene-d5	7.47	82	151902	16.77	ng		-0.02
41) 2,4,6-Tribromophenol	10.73	330	47230	22.31	ng		-0.02
44) 2-Fluorobiphenyl	9.26	172	254665	16.43	ng		-0.02
78) Terphenyl-d14	13.02	244	186518	14.73	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	9.66	163	60443	3.095	ng		100
70) Phenanthrene	11.46	178	56709	2.404	ng		98
74) Fluoranthene	12.65	202	98797	4.137	ng		97
77) Pyrene	12.87	202	111827	5.091	ng		99
80) Benzo(a)anthracene	14.06	228	52991	3.038	ng		96
82) Chrysene	14.10	228	49036	2.953	ng		97
85) Indeno(1,2,3-cd)pyrene	17.06	276	35615	2.681	ng		97
87) Benzo(b)fluoranthene	15.12	252	62500m	3.522	ng		
89) Benzo(a)pyrene	15.50	252	55692	3.419	ng	#	96
91) Benzo(g,h,i)perylene	17.52	276	37394	2.902	ng		94

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

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Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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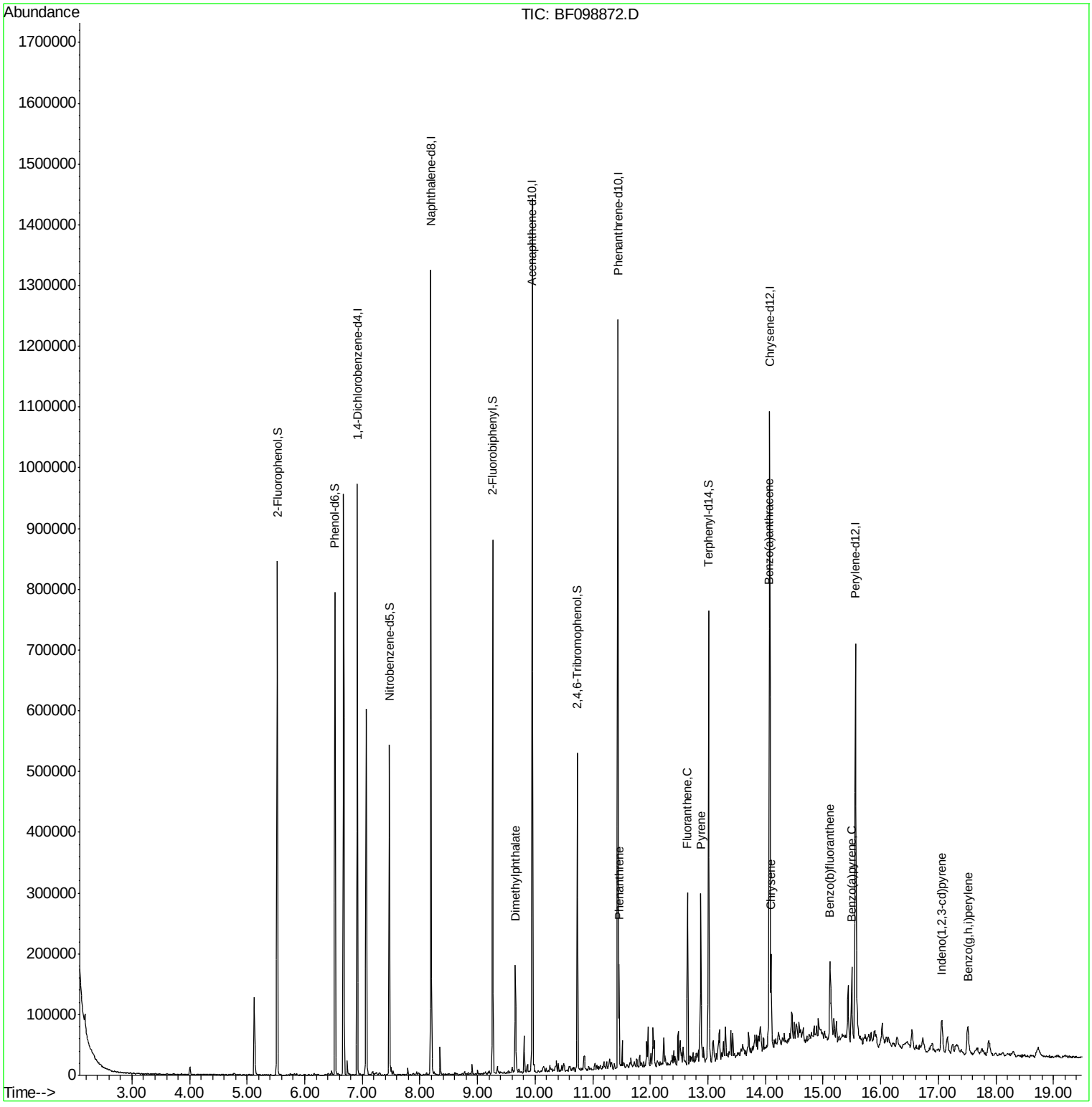
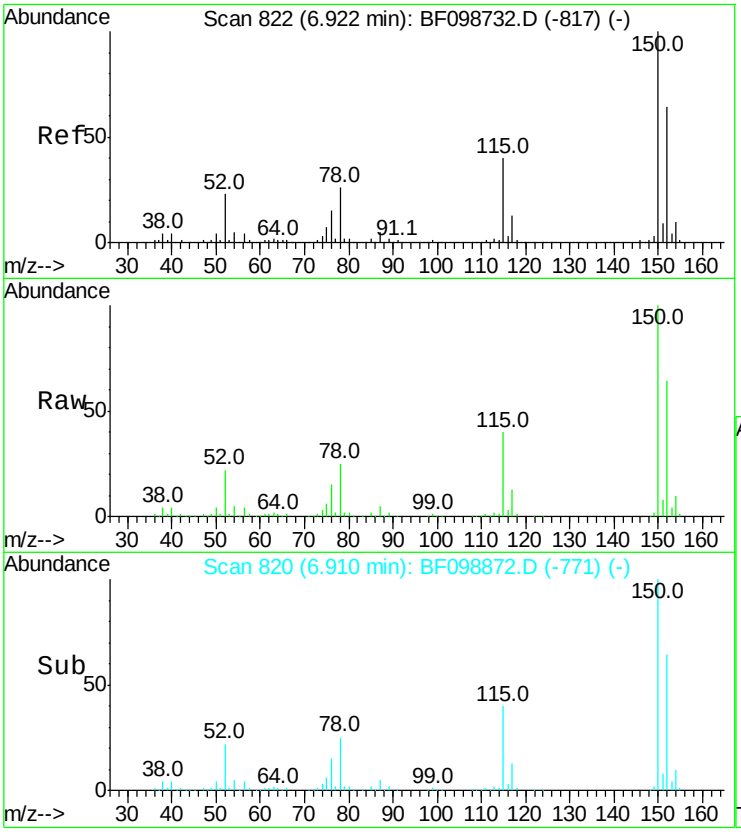
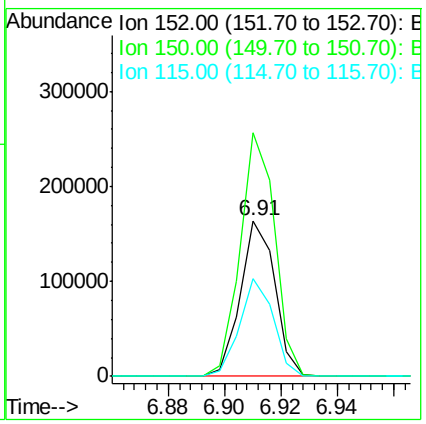




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:152 Resp: 139071

Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	62.5	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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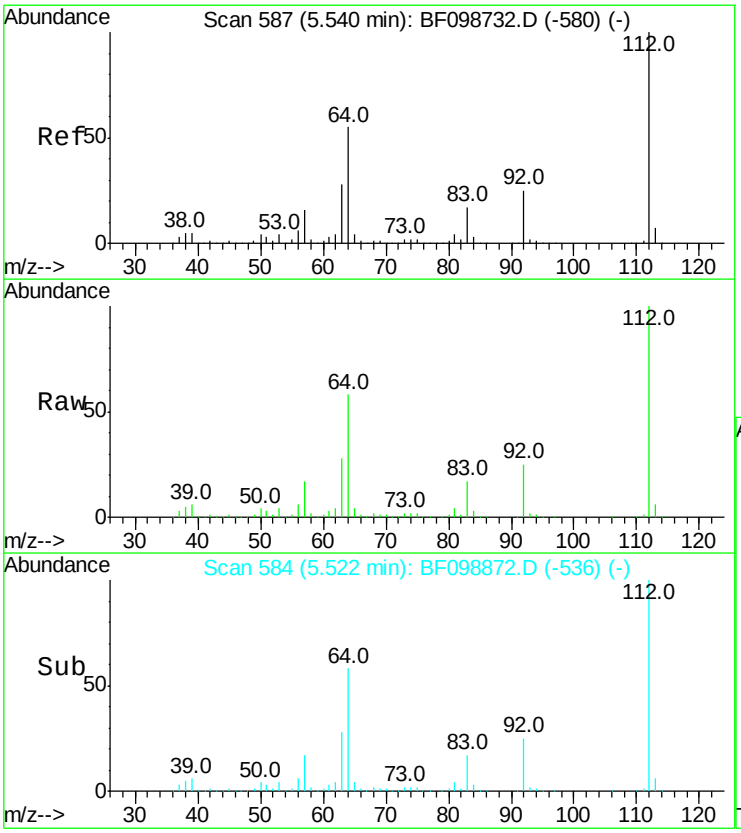
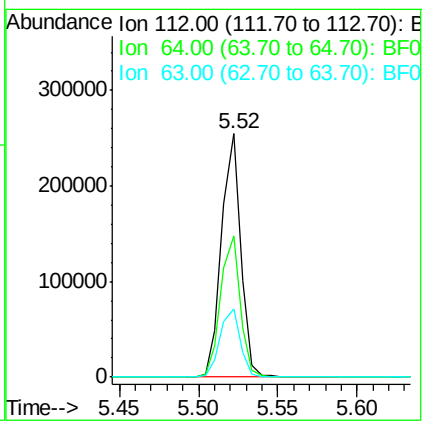
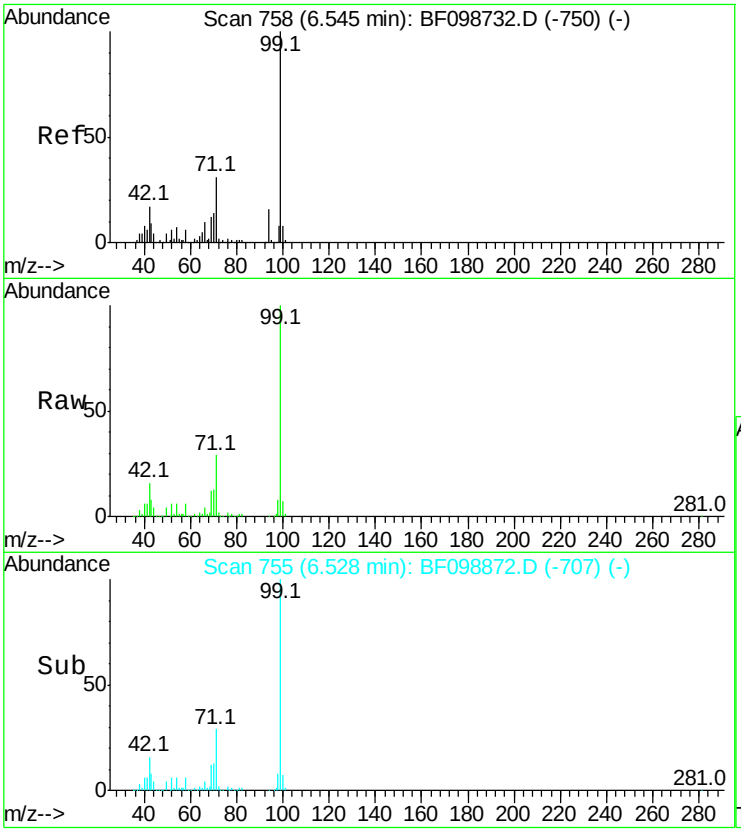


#5
2-Fluorophenol
Concen: 24.545 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:112 Resp: 214429

Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.9	71.9
63	28.2	23.7	35.5

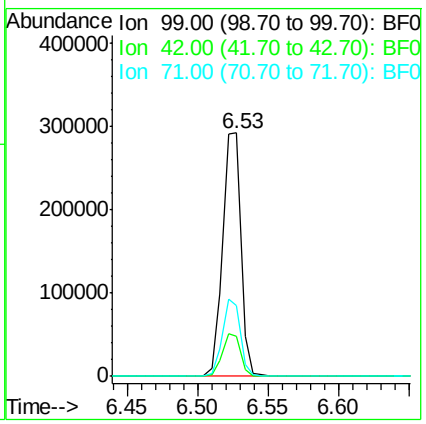




#7
Phenol-d6
Concen: 24.529 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion: 99 Resp: 264355

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	29.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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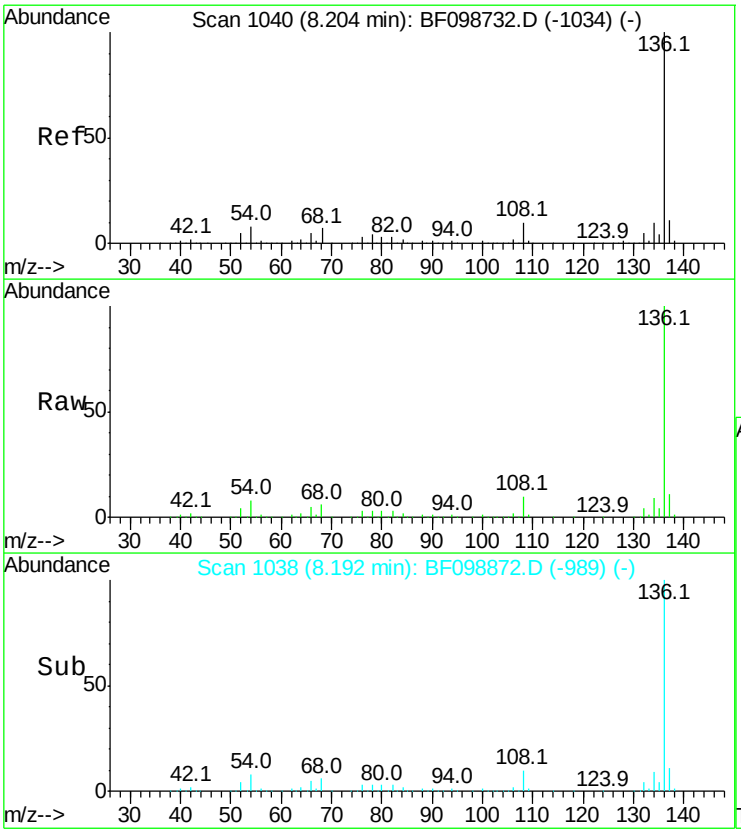
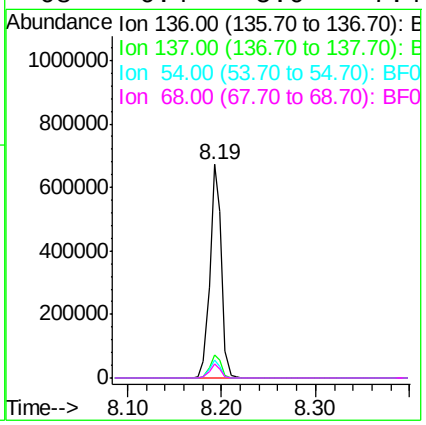
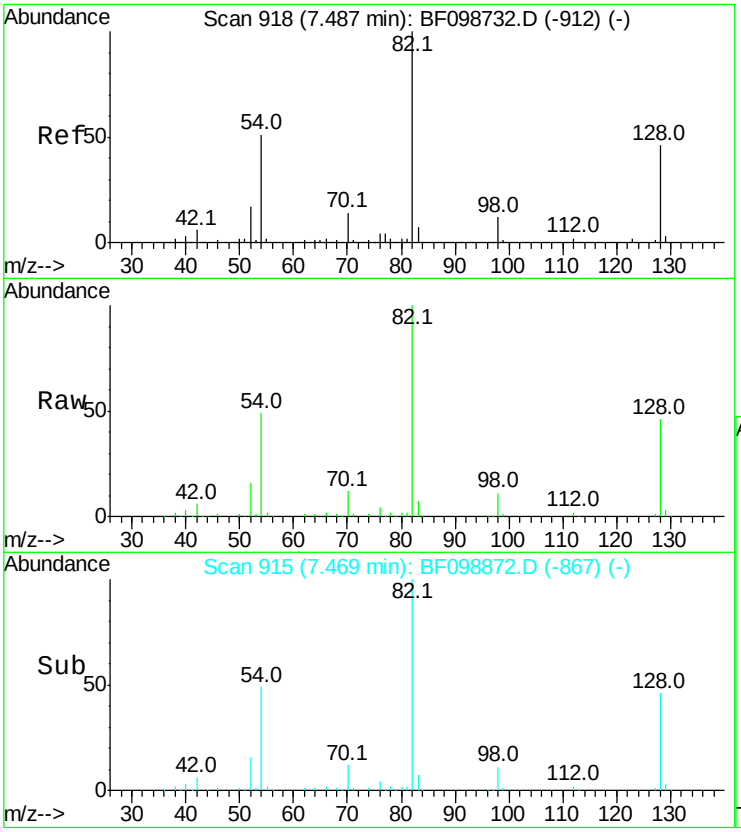


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:136 Resp: 580736

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.3	6.6	9.8
68	6.4	5.0	7.4

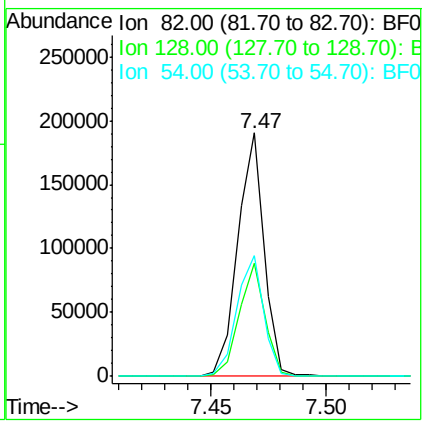




#23
Nitrobenzene-d5
Concen: 16.774 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion: 82 Resp: 151902

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	49.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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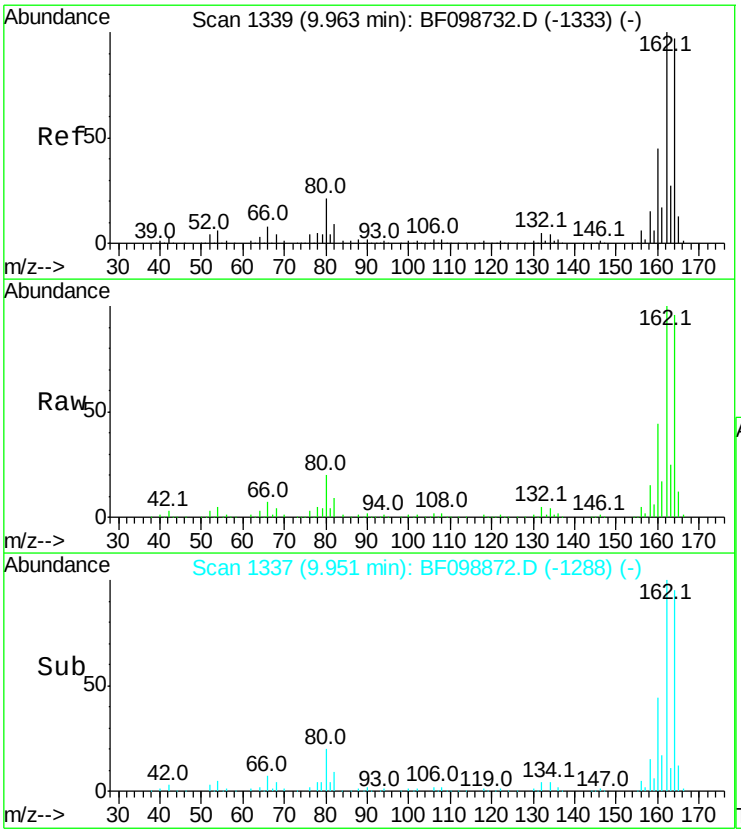
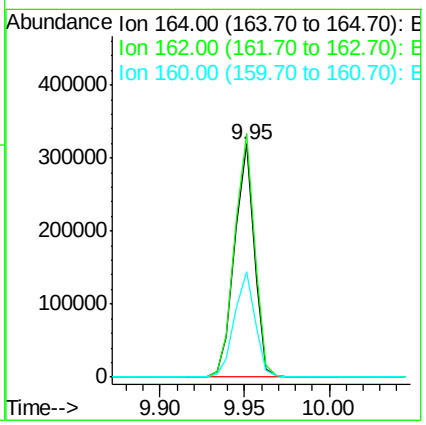
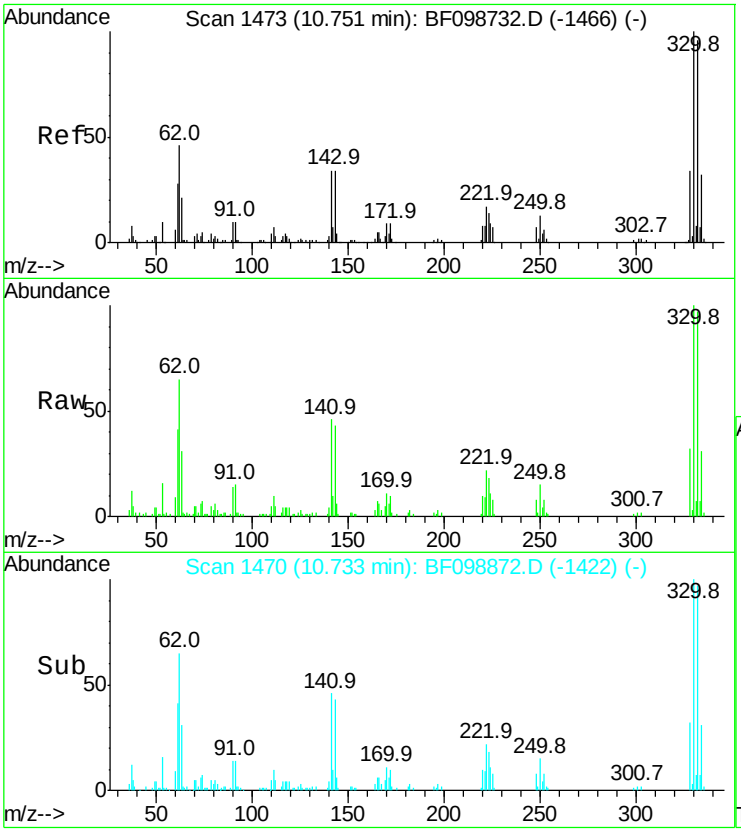


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:164 Resp: 258722

Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	45.5	38.3	57.5

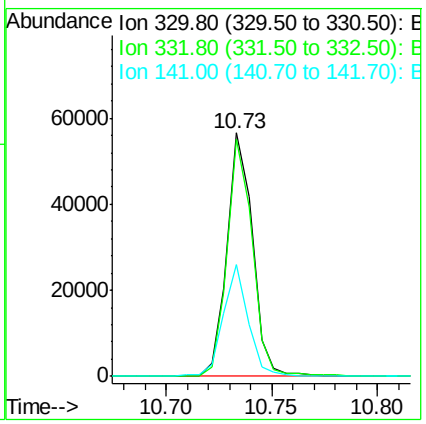




#41
2,4,6-Tribromophenol
Concen: 22.309 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:330 Resp: 47230

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	44.7	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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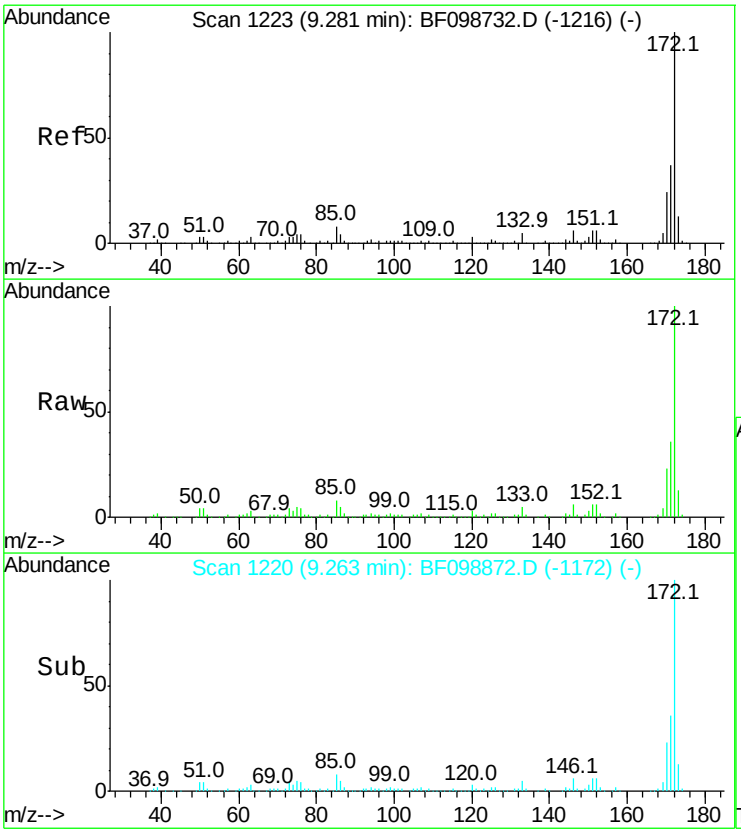
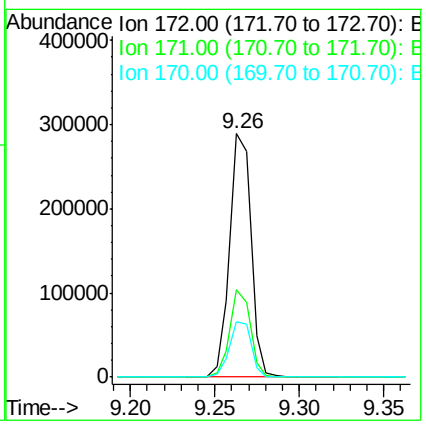
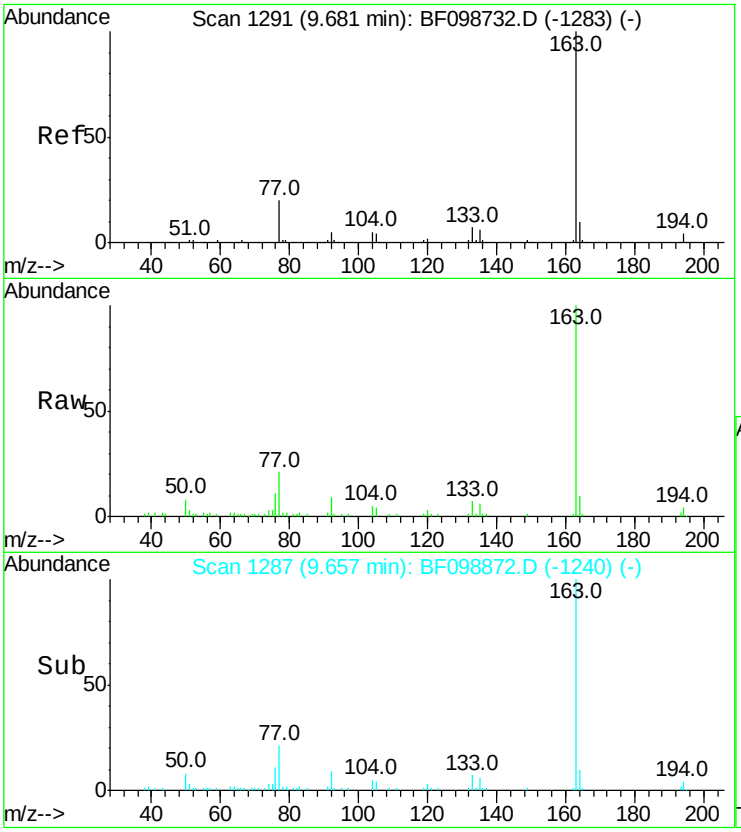


#44
2-Fluorobiphenyl
Concen: 16.432 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:172 Resp: 254665

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	22.7	19.6	29.4

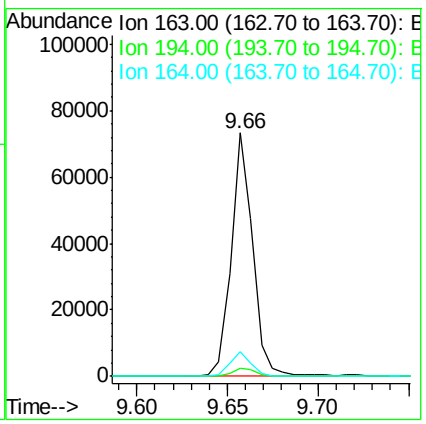




#49
Dimethylphthalate
Concen: 3.095 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:163 Resp: 60443

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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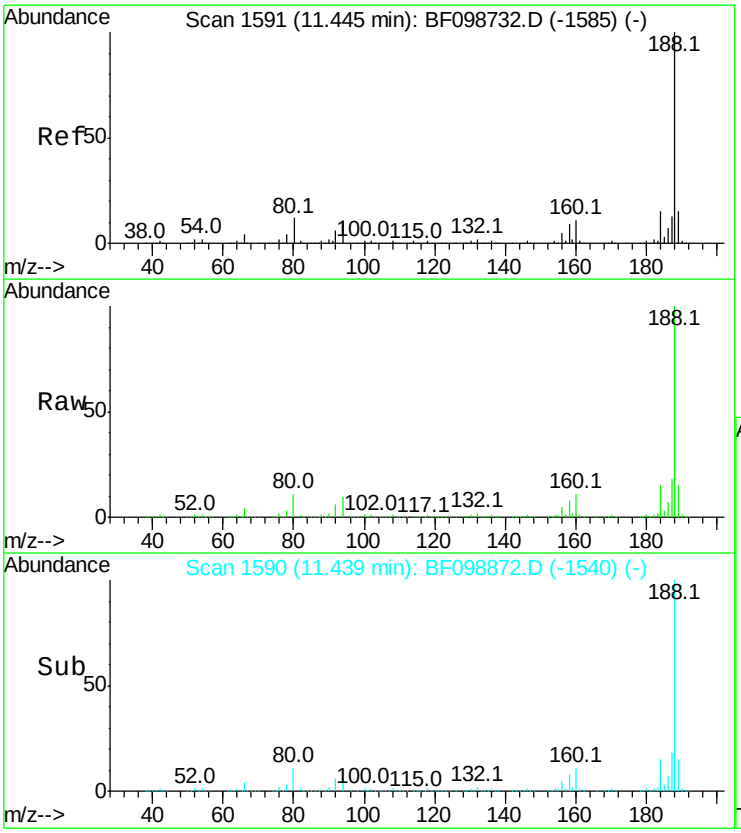
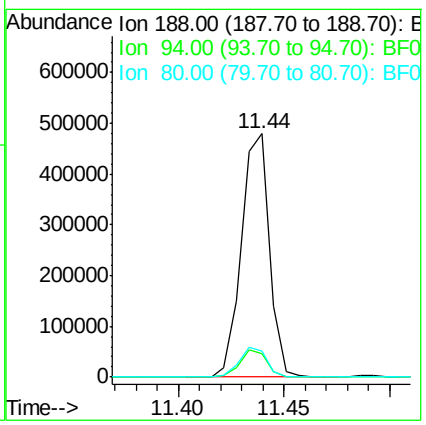
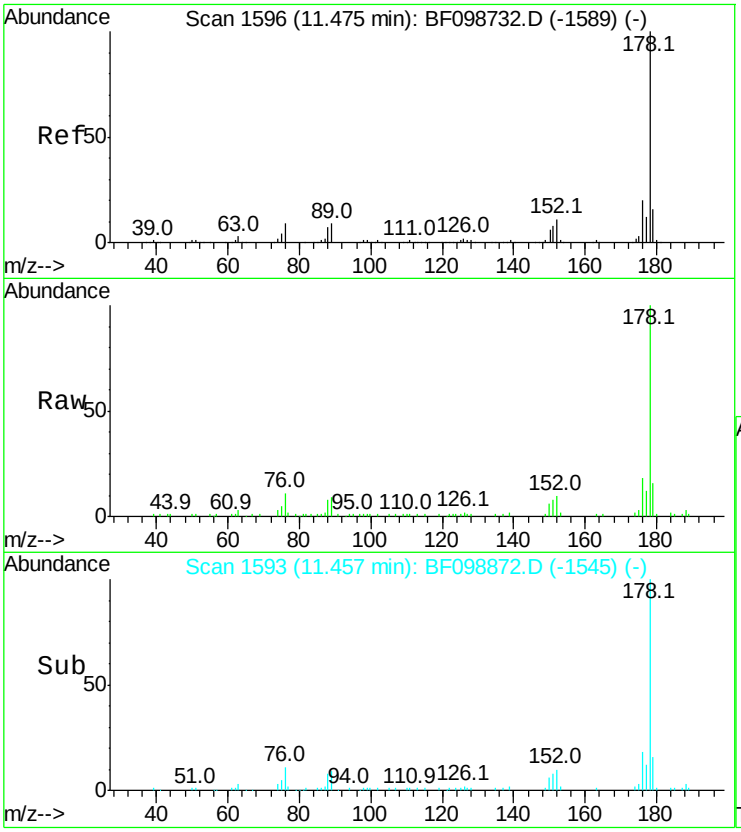


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:188 Resp: 440646

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.6	9.2	13.8





#70
Phenanthrene
Concen: 2.404 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:178 Resp: 56709

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.8	13.0	19.6

Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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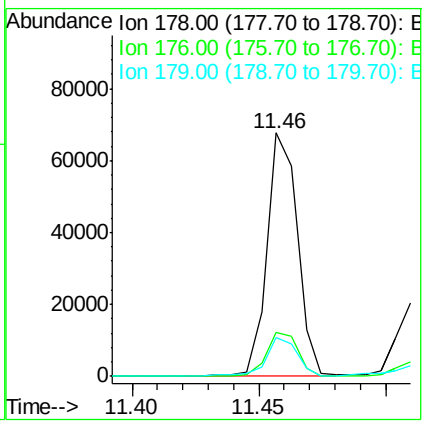
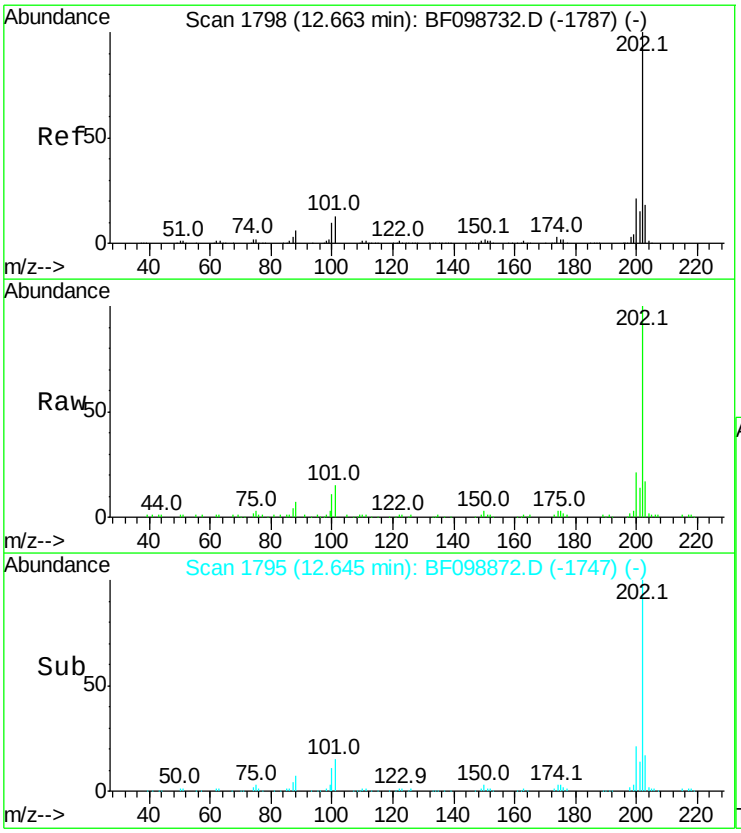
9/28/2017 2:32:21 PM

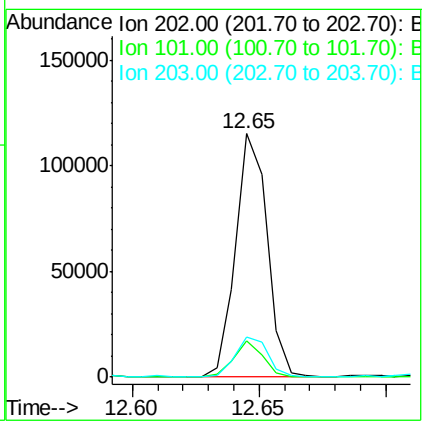


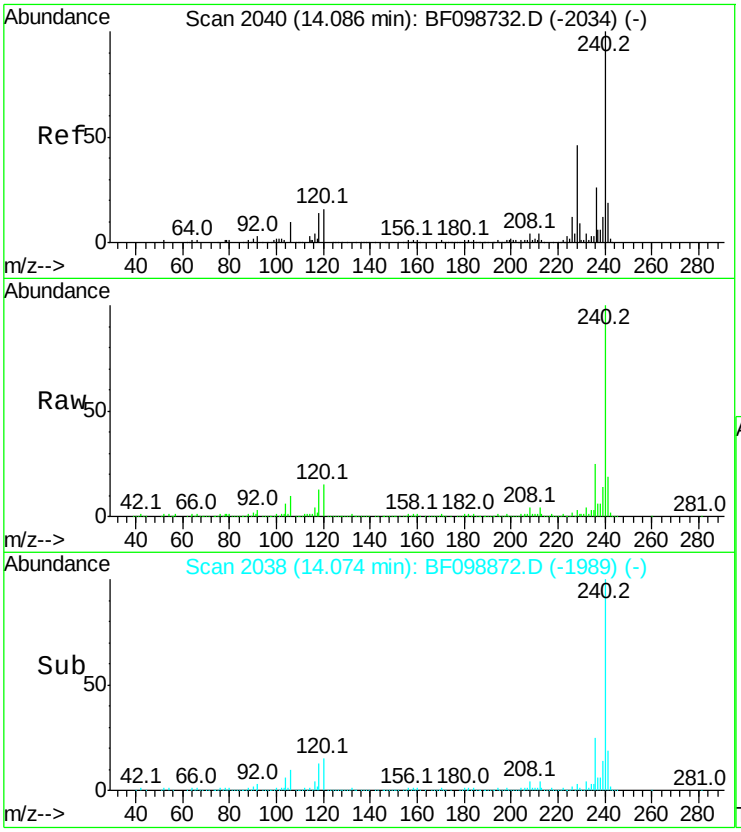


#74
Fluoranthene
Concen: 4.137 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:202 Resp: 98797

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.1
203	16.5	0.0	38.1

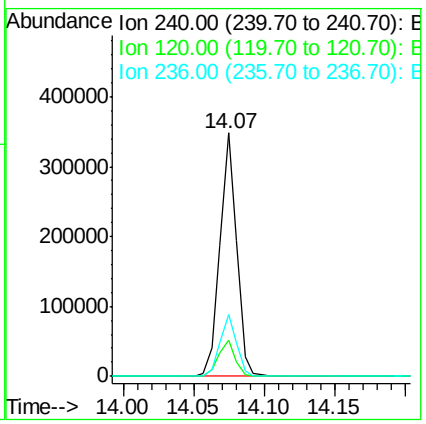




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:240 Resp: 288066

Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.5	14.3#
236	25.4	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
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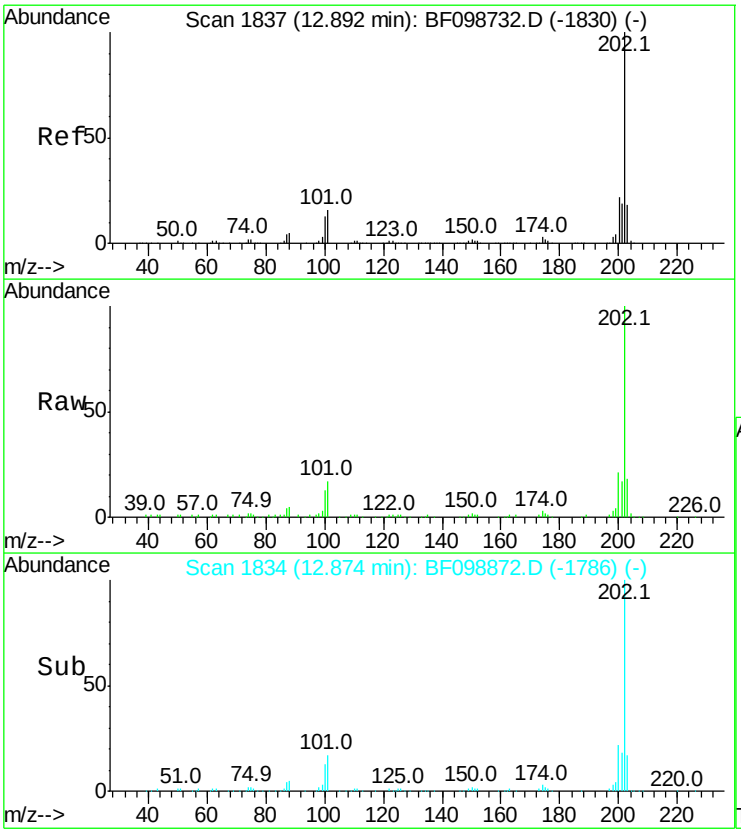
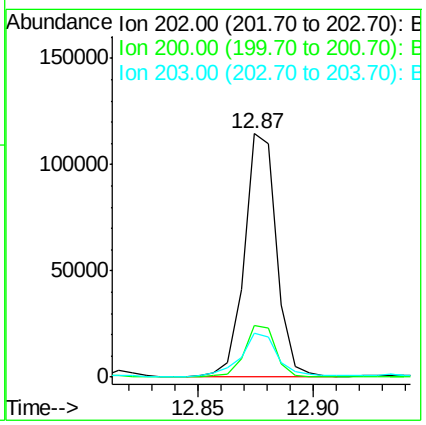
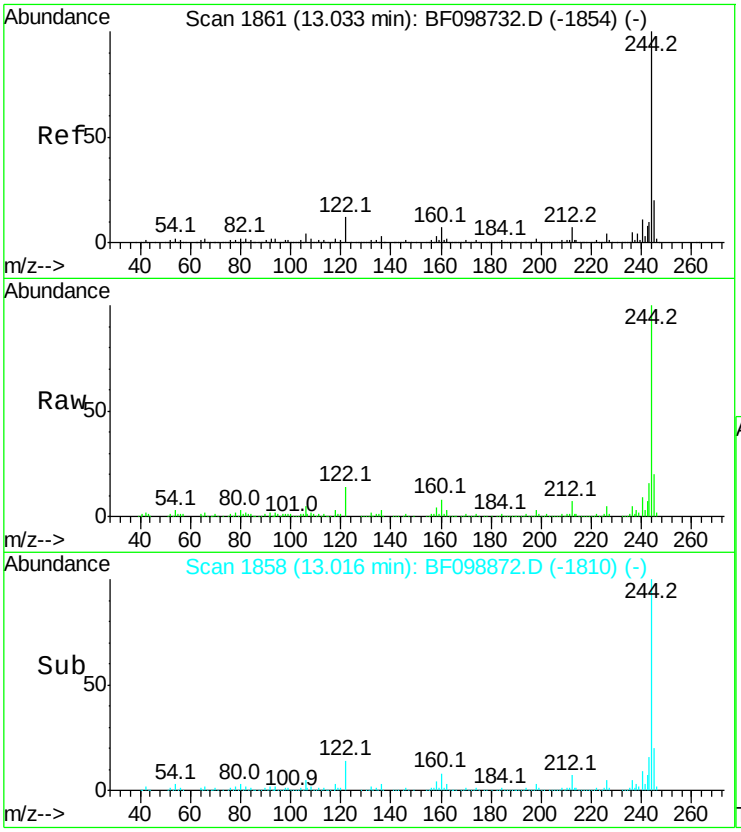


#77
Pyrene
Concen: 5.091 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:202 Resp: 111827

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.3	21.5

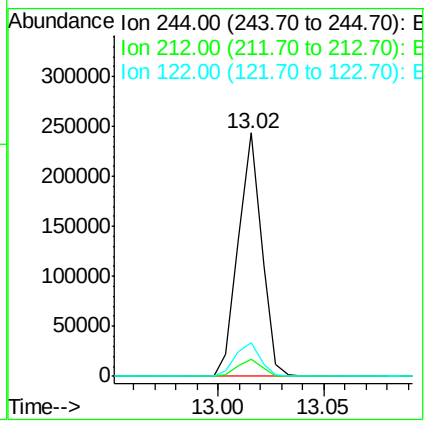




#78
Terphenyl-d14
Concen: 14.725 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

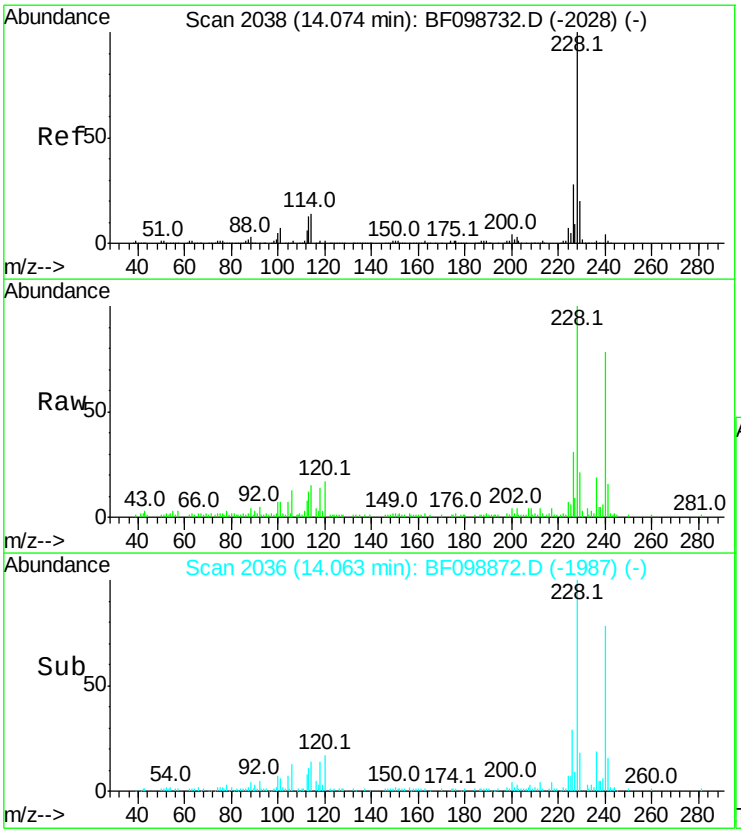
Tgt Ion:244 Resp: 186518

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

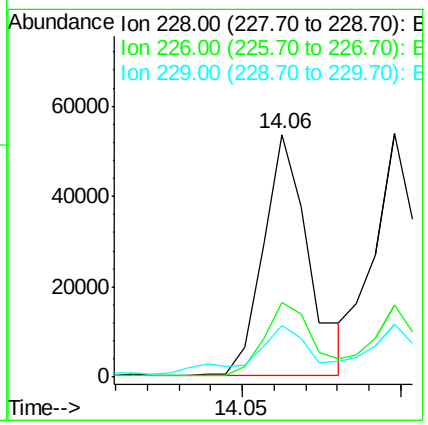
Manual Integrations APPROVED
Sohil
9/28/2017 2:32:21 PM

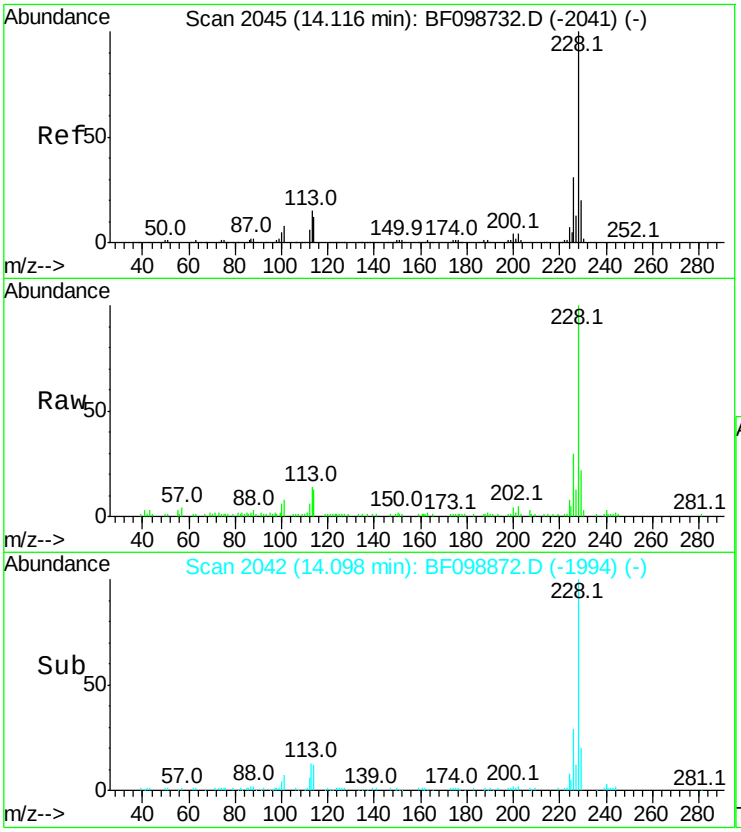


#80
Benzo(a)anthracene
Concen: 3.038 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:228 Resp: 52991

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	21.1	15.8	23.6

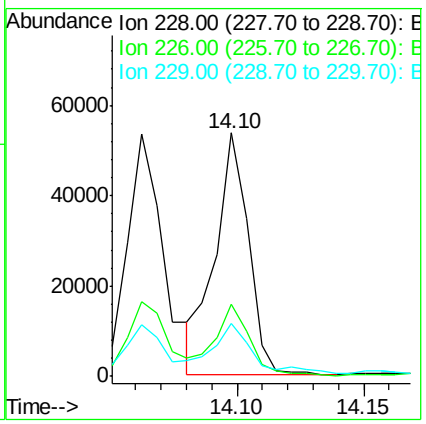




#82
Chrysene
Concen: 2.953 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

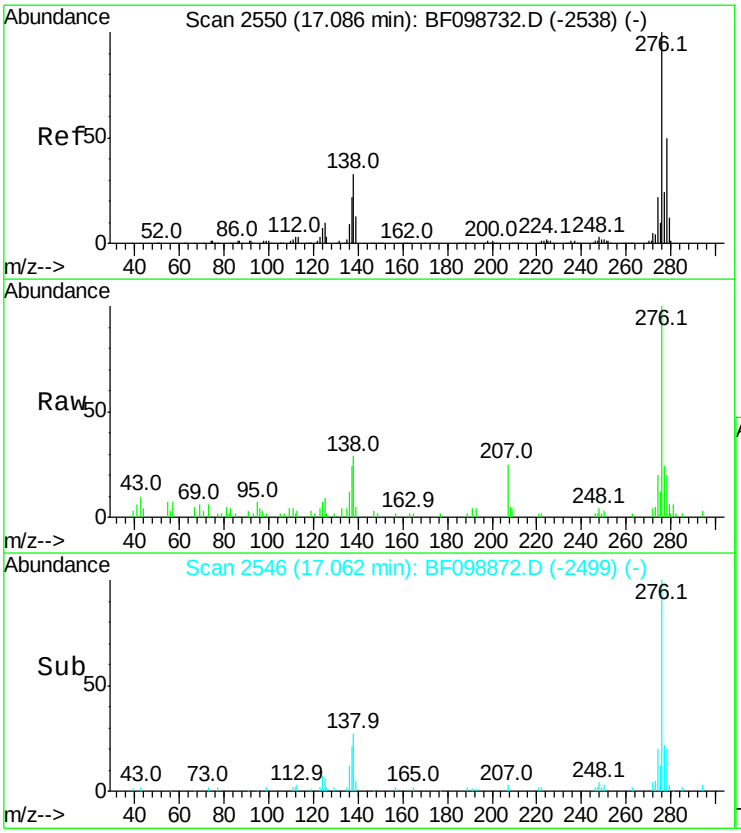
Tgt Ion:228 Resp: 49036

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.9	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

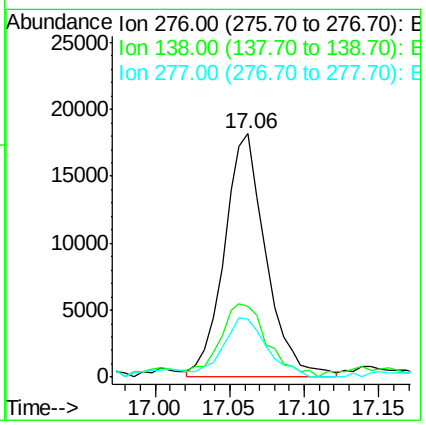
Manual Integrations APPROVED
Sohil
9/28/2017 2:32:21 PM

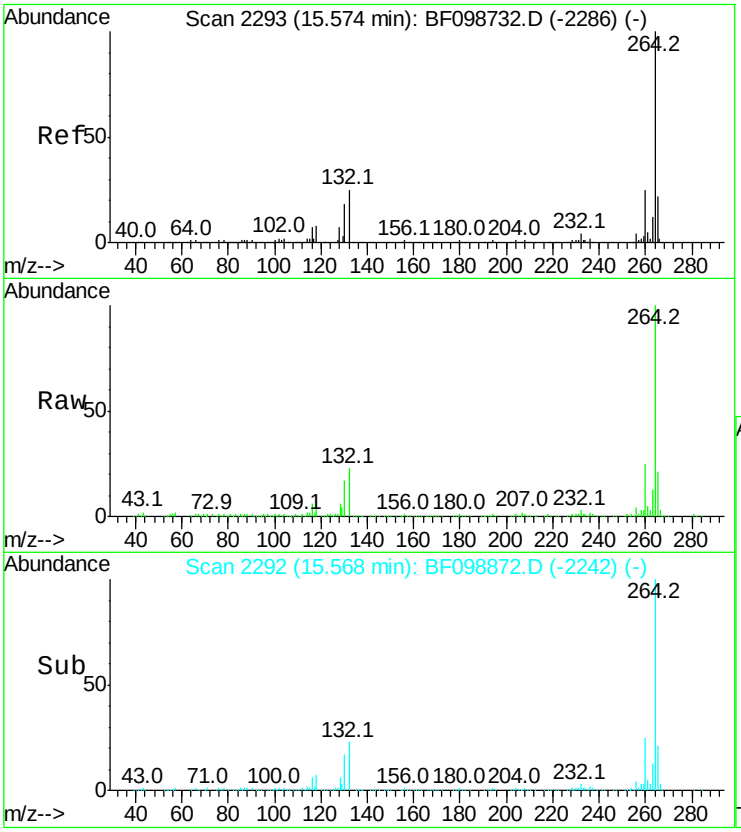


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.681 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:276 Resp: 35615

Ion	Ratio	Lower	Upper
276	100		
138	33.9	25.0	37.6
277	25.3	20.1	30.1

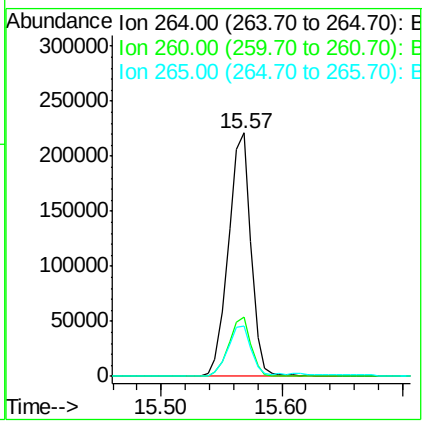




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

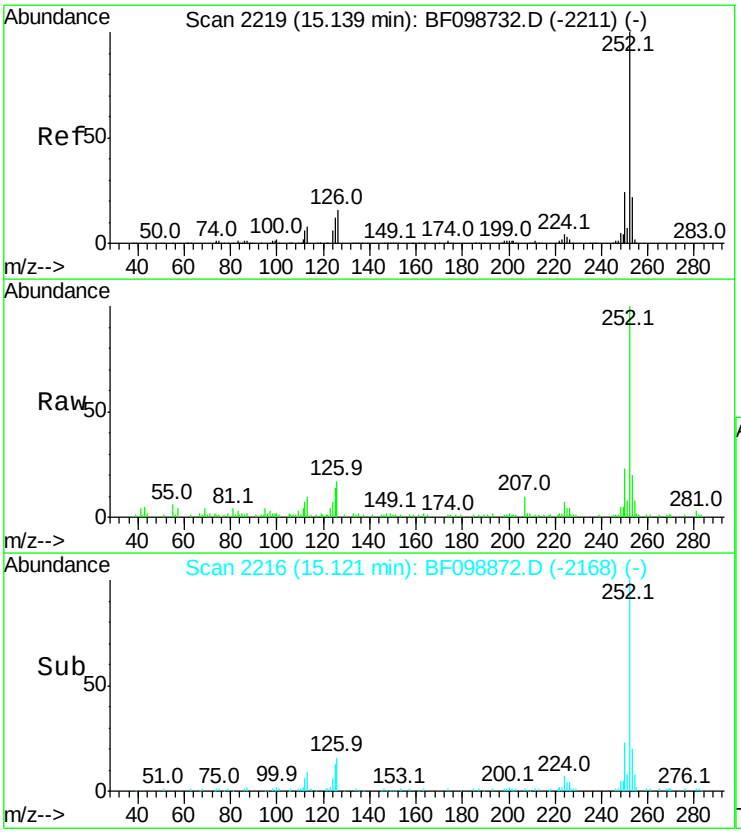
Tgt Ion:264 Resp: 288639

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	20.9	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

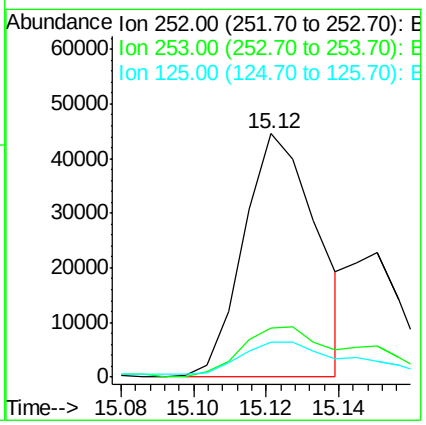
Manual Integrations APPROVED
Sohil
9/28/2017 2:32:21 PM

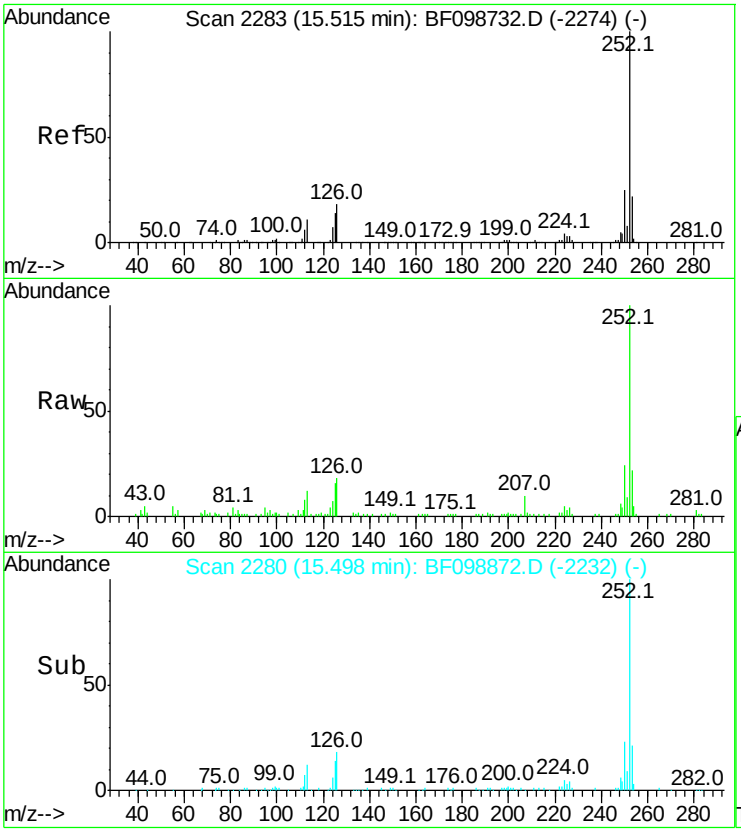


#87
Benzo(b)fluoranthene
Concen: 3.522 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:252 Resp: 62500

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.0	25.6
125	14.2	9.0	13.6#

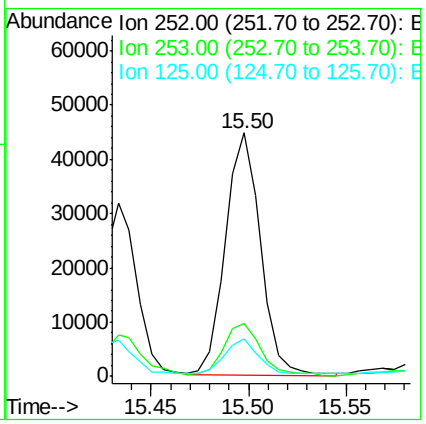




#89
Benzo(a)pyrene
Concen: 3.419 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

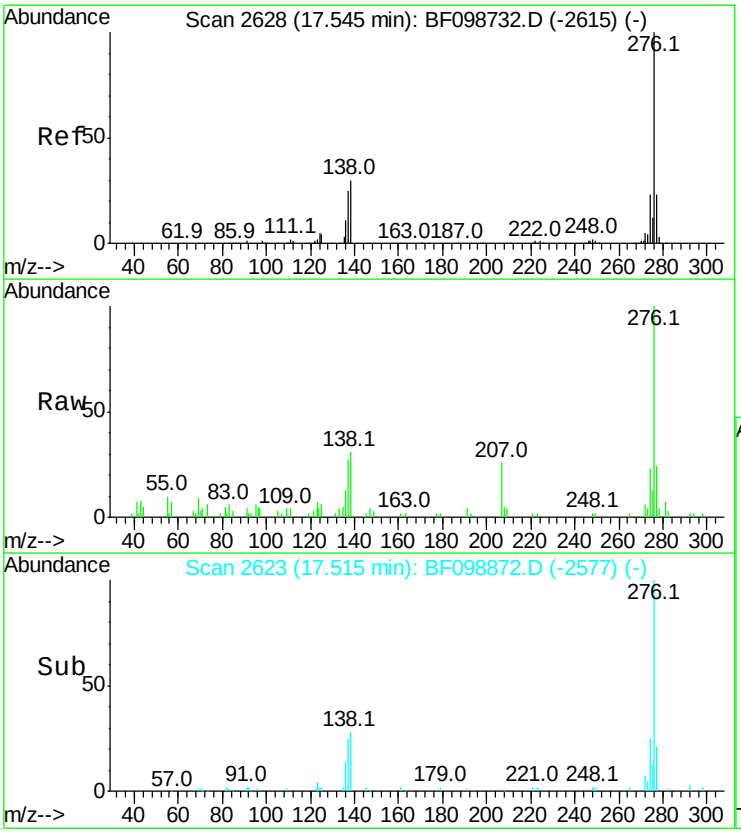
Tgt Ion:252 Resp: 55692

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	15.5	9.8	14.6#

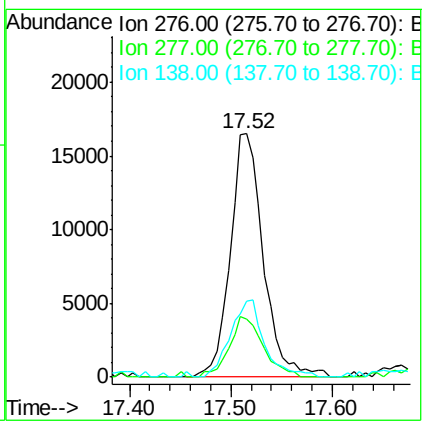


Instrument :
BNA_F
ClientSampleId :
B-72(9.5-10)

Manual Integrations APPROVED
Sohil
9/28/2017 2:32:21 PM



#91
Benzo(g,h,i)perylene
Concen: 2.902 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.03 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:276 Resp: 37394

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	31.4	21.8	32.8