Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108745.D
Acq On : 4 Sep 2018 17:13
Operator : JU/SJ
Sample : J4712-11RE 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

Quant Time: Sep 05 10:26:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	58165	20.00	ng		-0.01
21) Naphthalene-d8	8.27	136	287757	20.00	ng		-0.01
38) Acenaphthene-d10	10.03	164	146741	20.00	ng		-0.02
63) Phenanthrene-d10	11.53	188	314815	20.00	ng		-0.02
75) Chrysene-d12	14.19	240	248800	20.00	ng		-0.01
86) Perylene-d12	15.75	264	183872	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.84	112	131	0.04	ng		0.19
7) Phenol-d6	6.77	99	2880	0.60	ng		0.12
23) Nitrobenzene-d5	7.61	82	1940	0.34	ng		0.04
41) 2,4,6-Tribromophenol	10.84	330	3307	1.71	ng		-0.01
44) 2-Fluorobiphenyl	9.35	172	20507	1.88	ng		-0.01
78) Terphenyl-d14	13.11	244	31708	2.48	ng		-0.02
Target Compounds							Qvalue
70) Phenanthrene	11.55	178	135753	8.543	ng		98
71) Anthracene	11.61	178	37941m	2.272	ng		
72) Carbazole	11.78	167	55658	3.448	ng		97
74) Fluoranthene	12.75	202	695655	38.893	ng		94
77) Pyrene	12.98	202	557210	29.793	ng		99
80) Benzo(a)anthracene	14.18	228	290505	19.153	ng		97
82) Chrysene	14.21	228	324461	22.244	ng		99
85) Indeno(1,2,3-cd)pyrene	17.37	276	239993	23.663	ng	#	82
87) Benzo(b)fluoranthene	15.28	252	489188m	43.310	ng		
88) Benzo(k)fluoranthene	15.31	252	158712m	14.184	ng		
89) Benzo(a)pyrene	15.68	252	257709	25.247	ng		95
90) Dibenzo(a,h)anthracene	17.37	278	42532	5.217	ng	#	76
91) Benzo(g,h,i)perylene	17.86	276	249580	31.499	ng	#	88

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

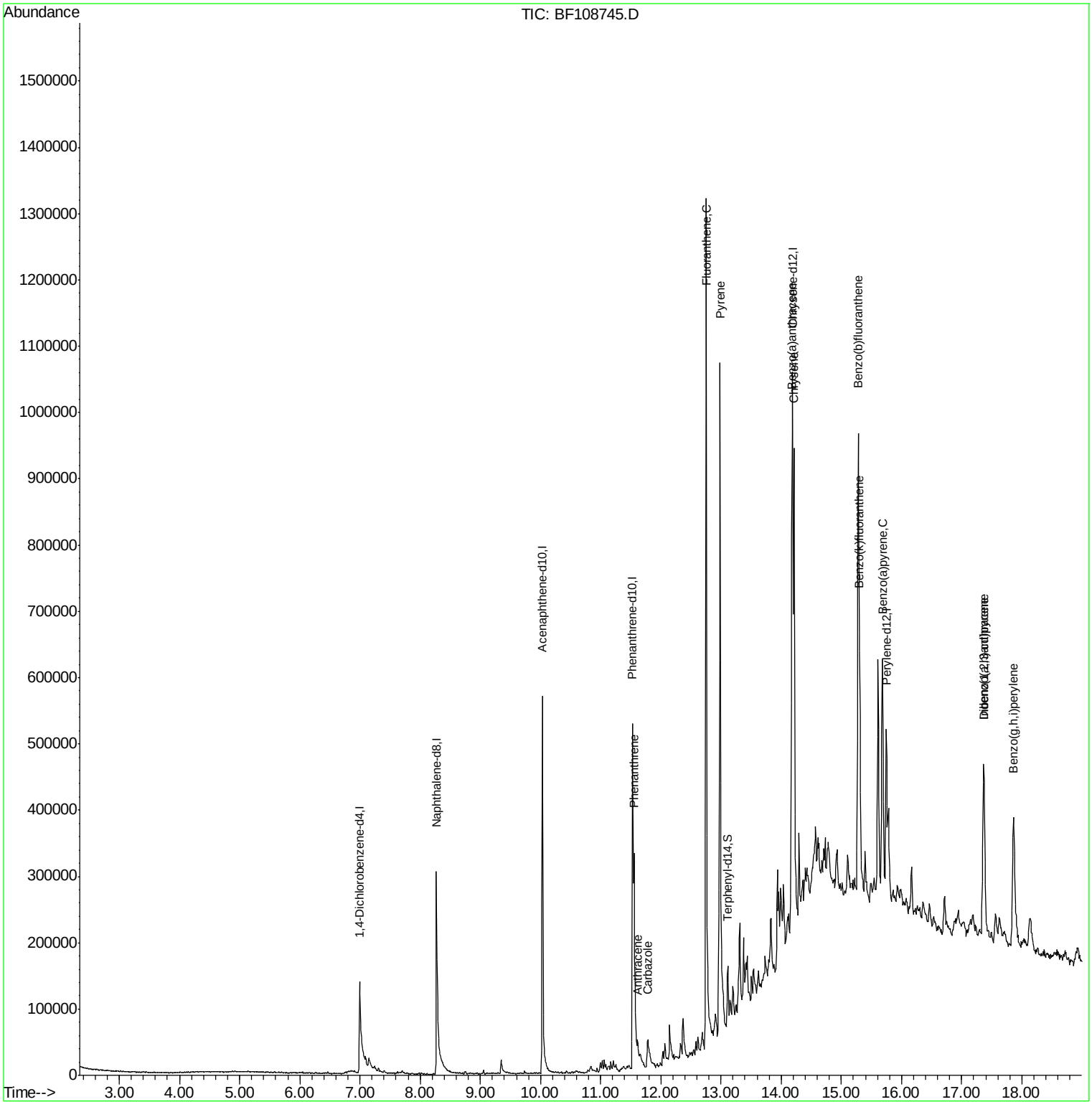
Quantitation Report (QT Reviewed)

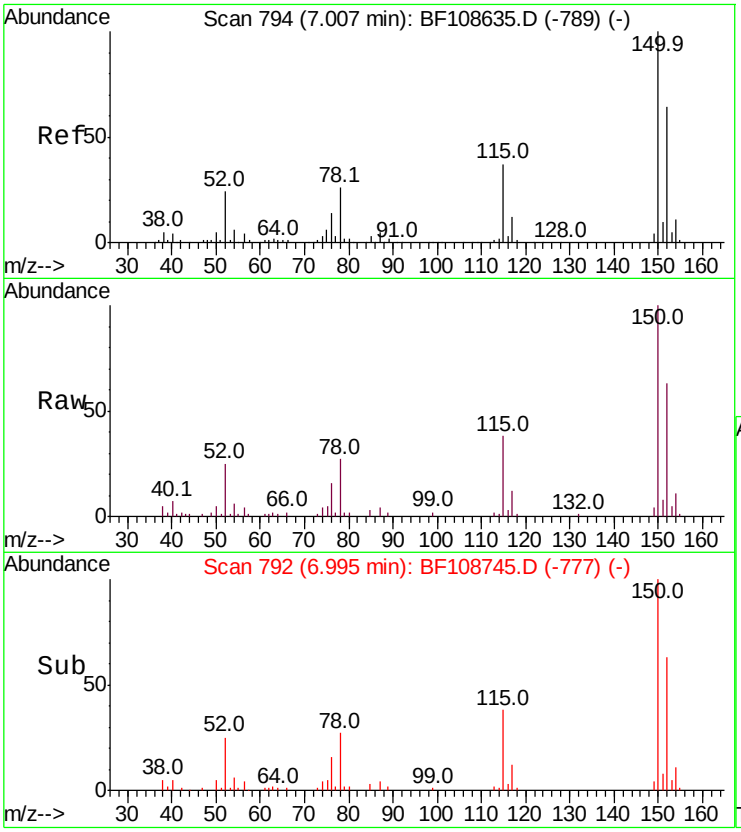
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108745.D
Acq On : 4 Sep 2018 17:13
Operator : JU/SJ
Sample : J4712-11RE 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 10:26:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

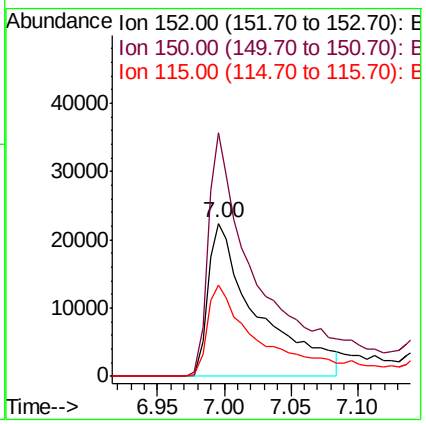




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

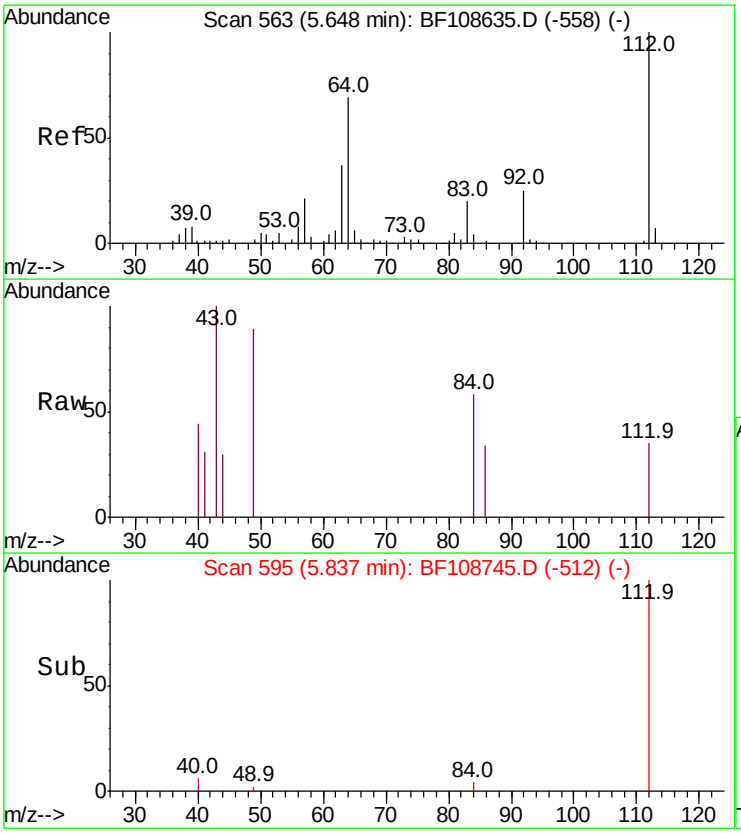
Tgt Ion:152 Resp: 58165

Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	59.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
DW-06RE

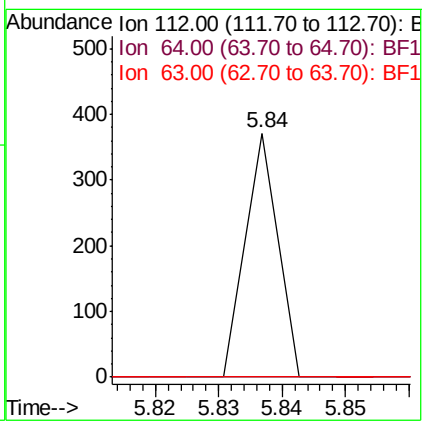
Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

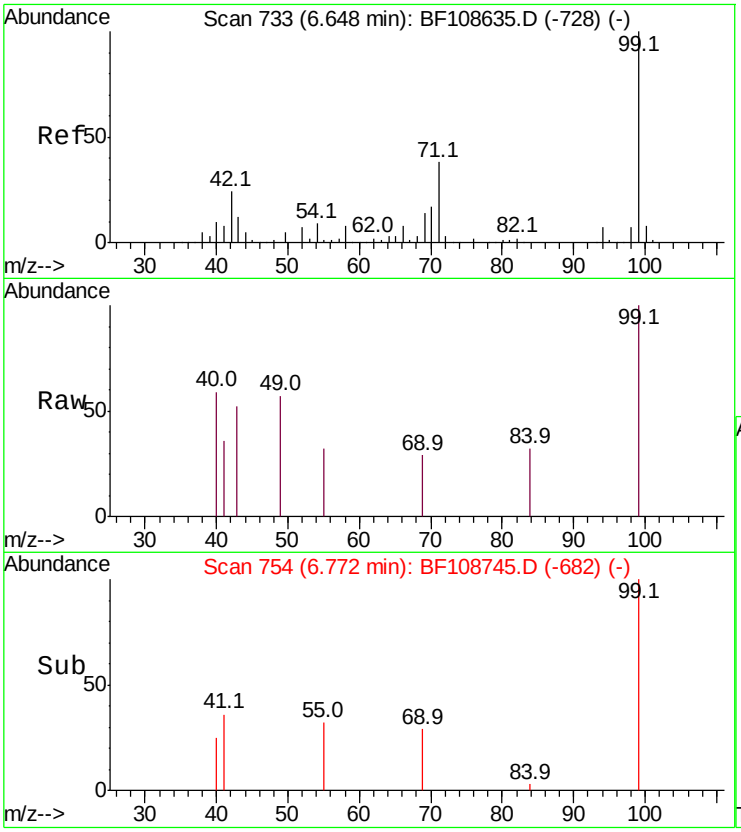


#5
2-Fluorophenol
Concen: 0.039 ng
RT: 5.84 min Scan# 595
Delta R.T. 0.19 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:112 Resp: 131

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





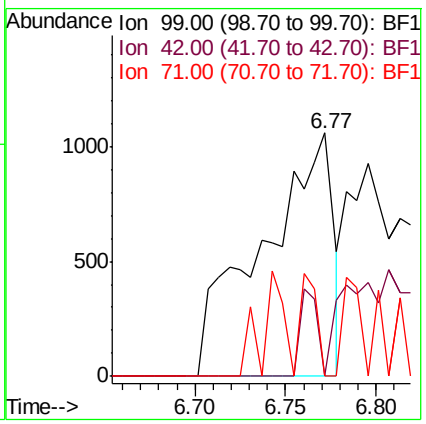
#7
Phenol-d6
Concen: 0.601 ng
RT: 6.77 min Scan# 754
Delta R.T. 0.12 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

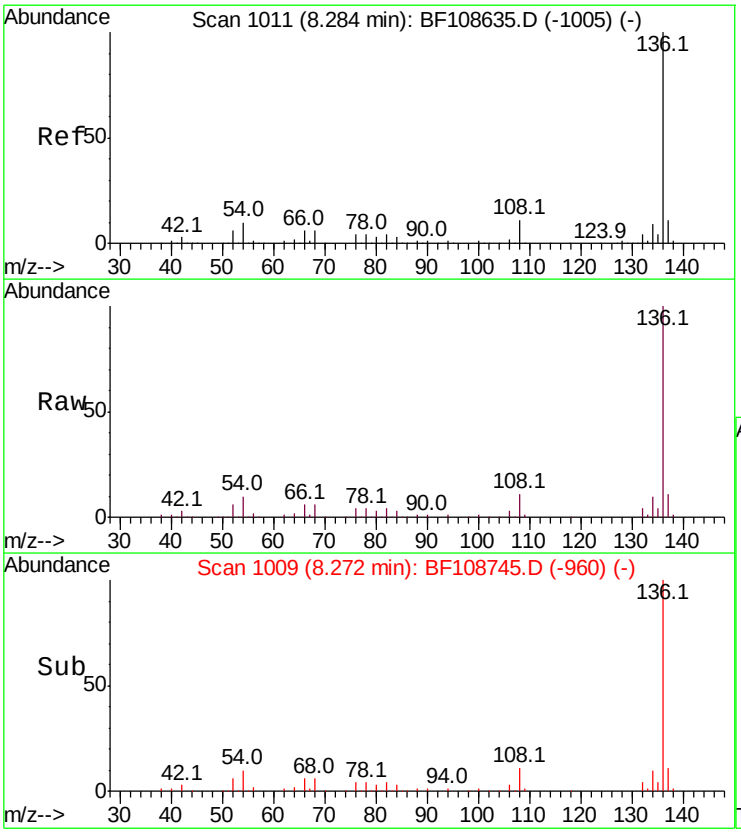
Tgt Ion: 99 Resp: 2880

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

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

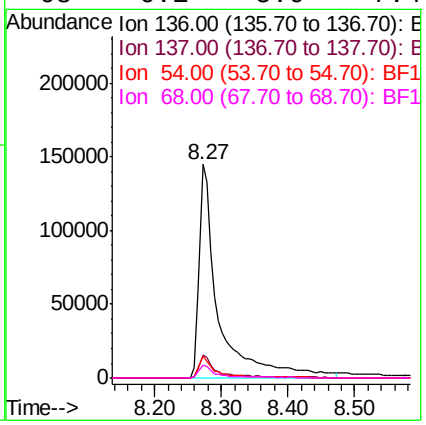


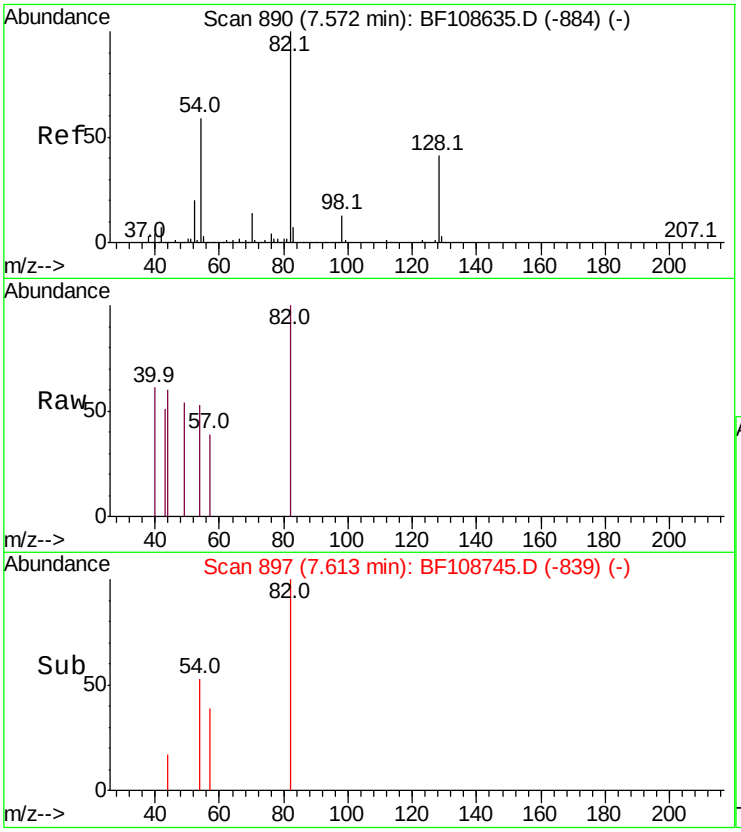


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:136 Resp: 287757

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.1	6.6	9.8#
68	6.1	5.0	7.4





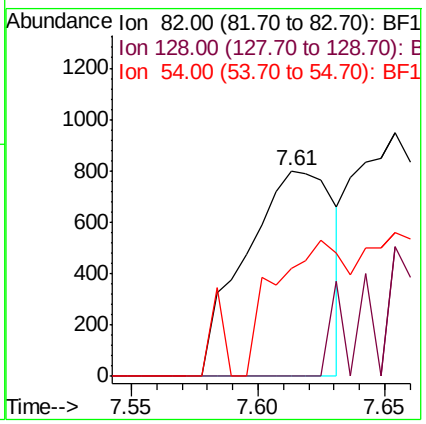
#23
Nitrobenzene-d5
Concen: 0.342 ng
RT: 7.61 min Scan# 897
Delta R.T. 0.04 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

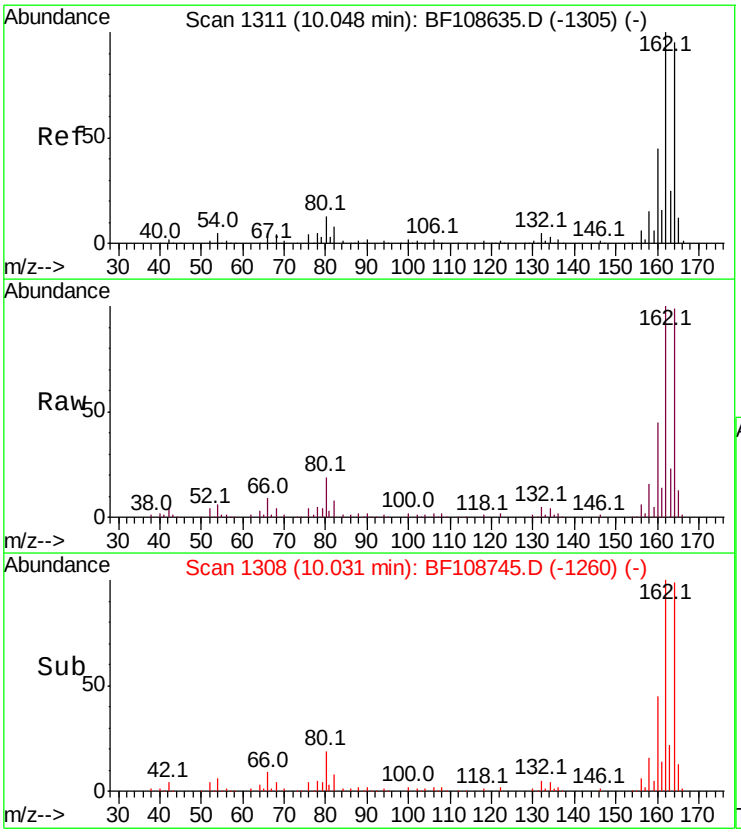
Tgt Ion: 82 Resp: 1940

Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	52.8	41.4	62.2

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

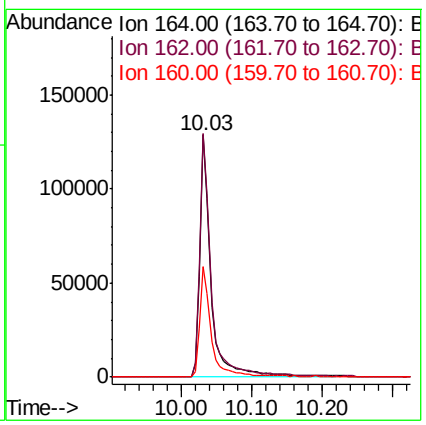


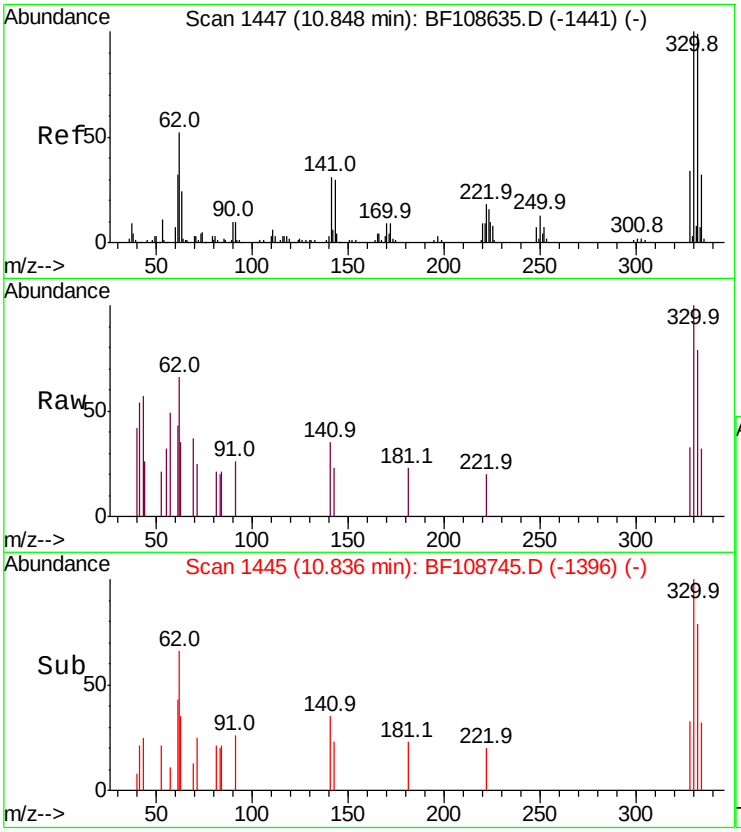


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:164 Resp: 146741

Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	45.6	38.3	57.5





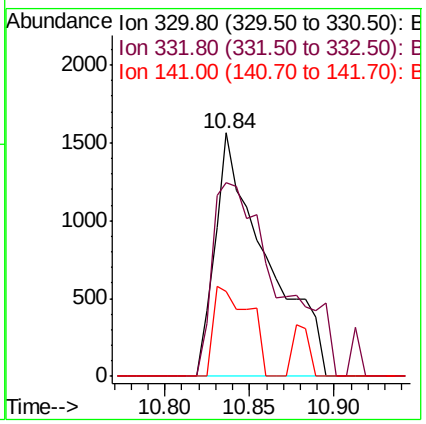
#41
2,4,6-Tribromophenol
Concen: 1.707 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

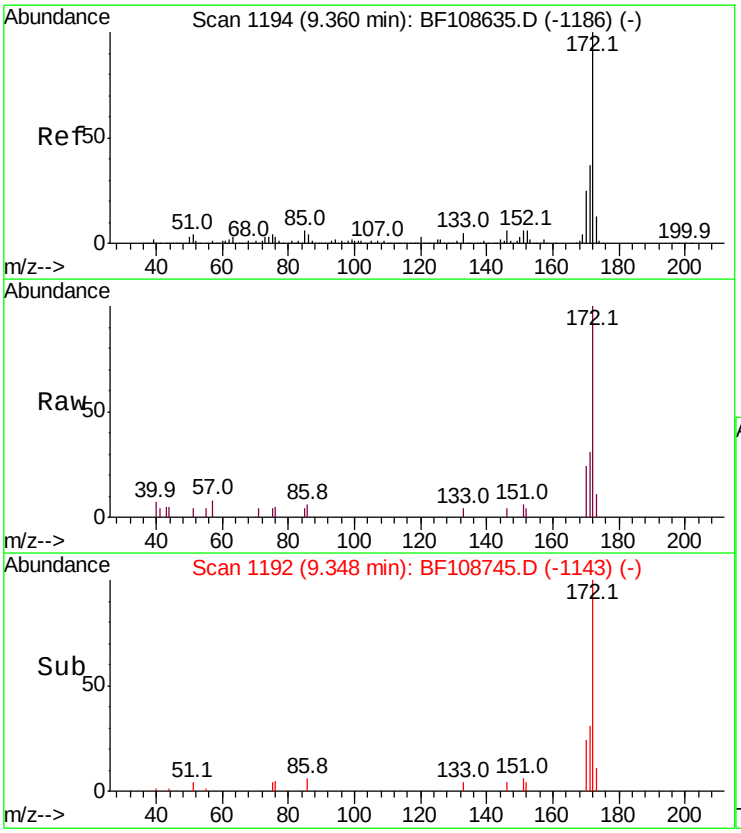
Tgt Ion:330 Resp: 3307

Ion	Ratio	Lower	Upper
330	100		
332	102.7	77.0	115.6
141	25.9	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

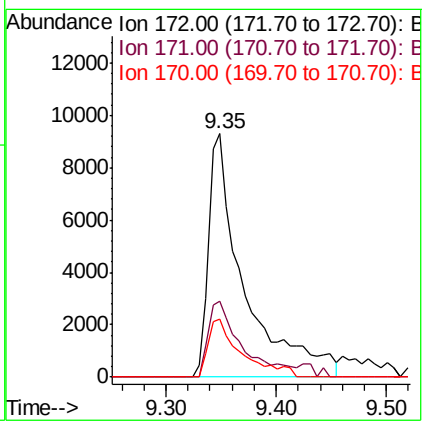


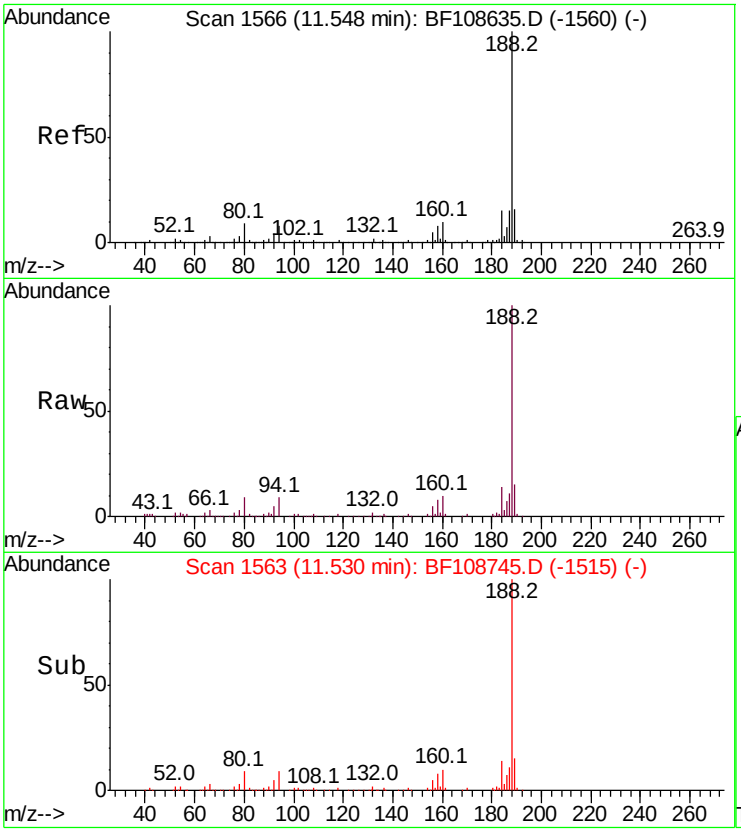


#44
2-Fluorobiphenyl
Concen: 1.879 ng
RT: 9.35 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:172 Resp: 20507

Ion	Ratio	Lower	Upper
172	100		
171	31.1	29.7	44.5
170	23.8	19.6	29.4





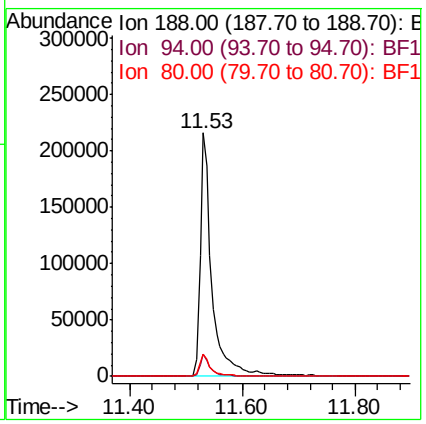
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

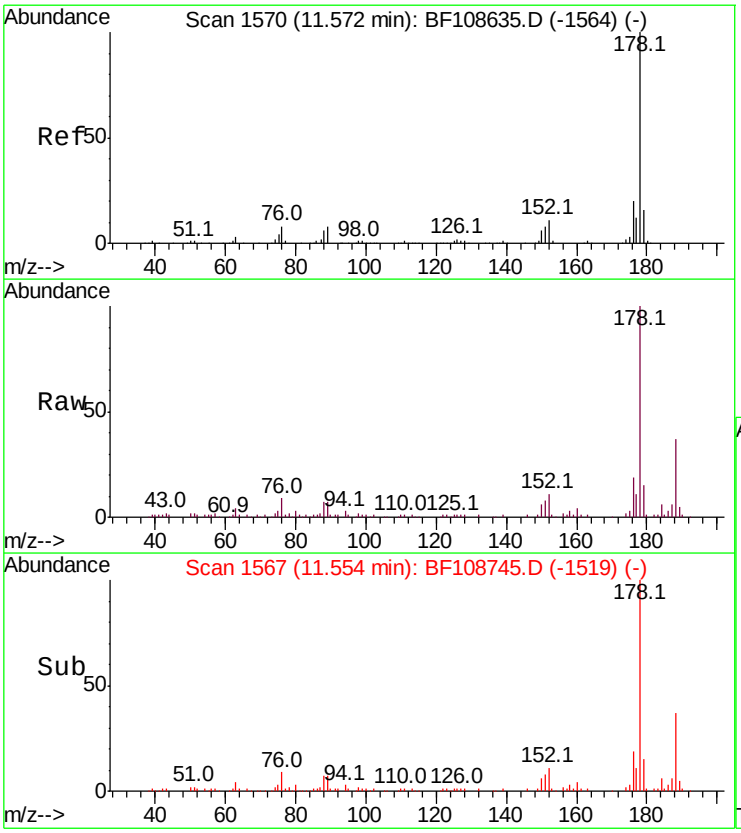
Tgt Ion:188 Resp: 314815

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.2	9.2	13.8#

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

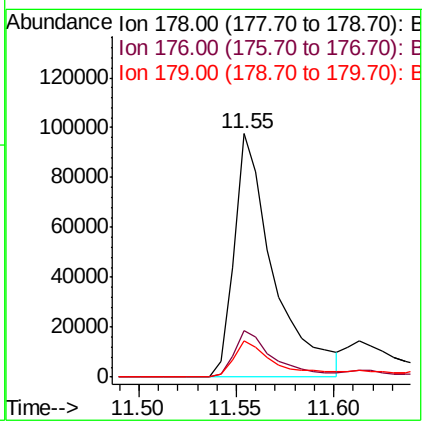


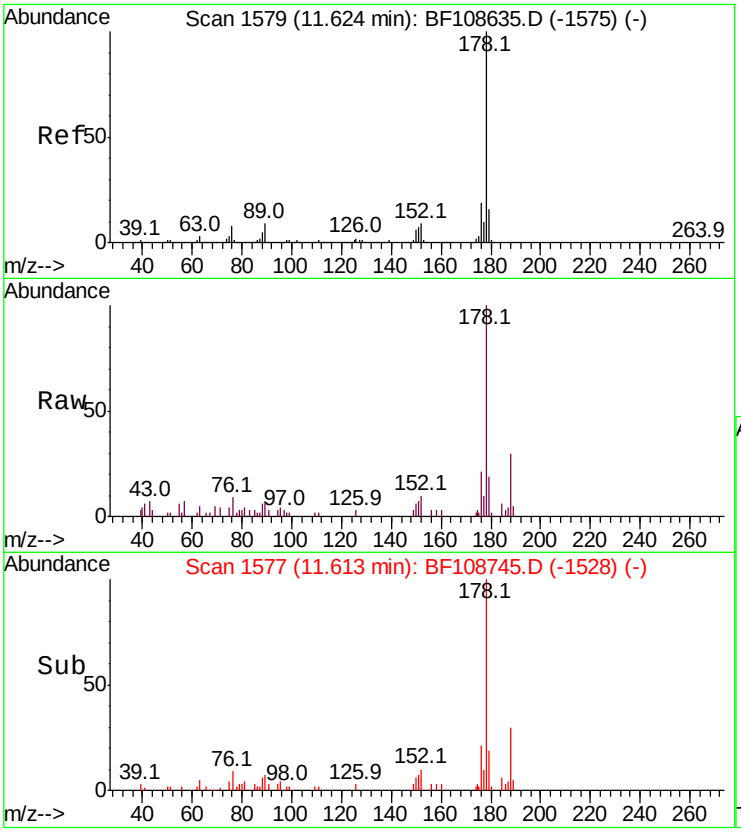


#70
Phenanthrene
Concen: 8.543 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:178 Resp: 135753

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.1	13.0	19.6





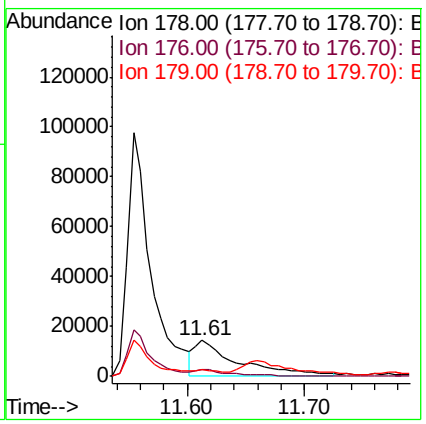
#71
Anthracene
Concen: 2.272 ng m
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

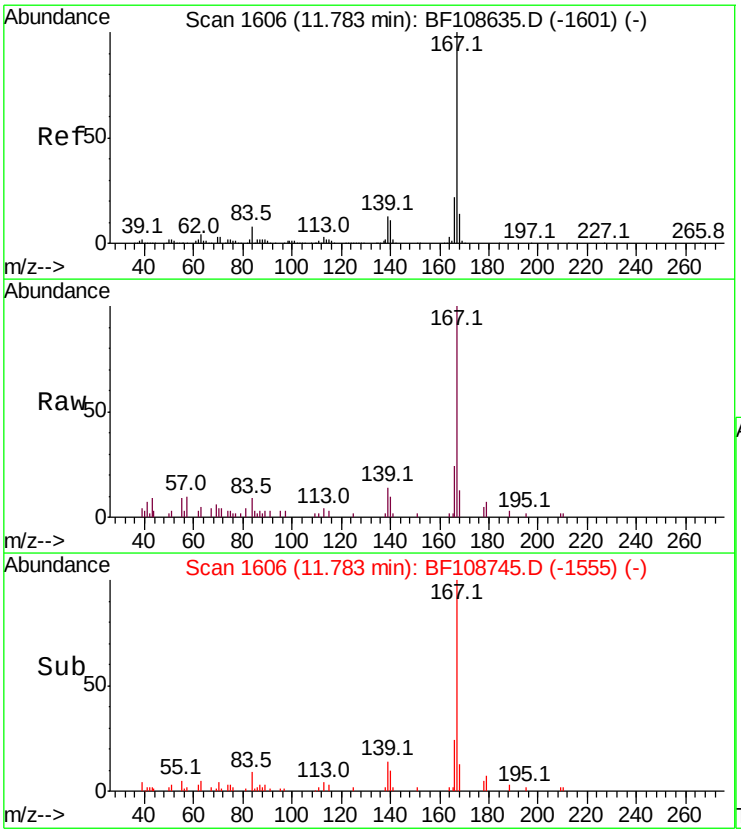
Tgt Ion:178 Resp: 37941

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	19.0	12.6	19.0#

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

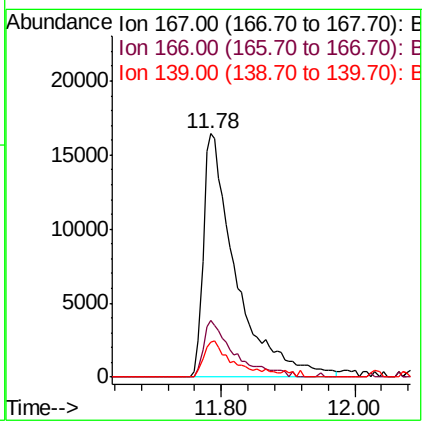


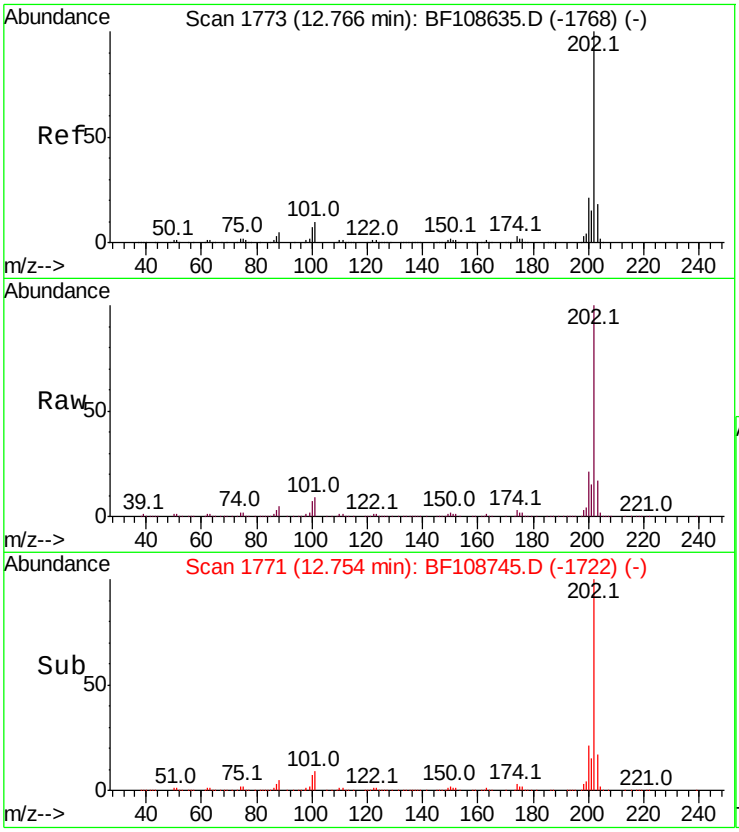


#72
Carbazole
Concen: 3.448 ng
RT: 11.78 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:167 Resp: 55658

Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.6	26.4
139	14.5	10.9	16.3

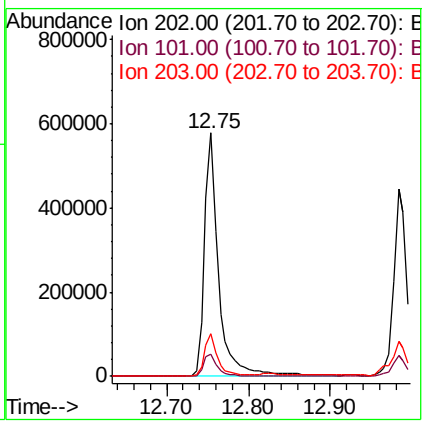




#74
Fluoranthene
Concen: 38.893 ng
RT: 12.75 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

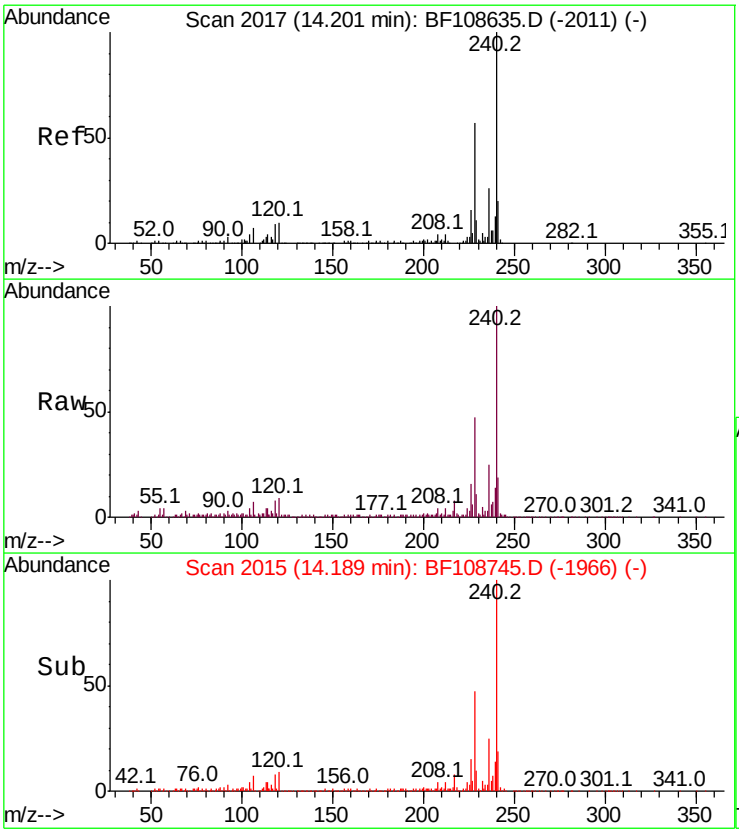
Tgt Ion:202 Resp: 695655

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	17.5	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
DW-06RE

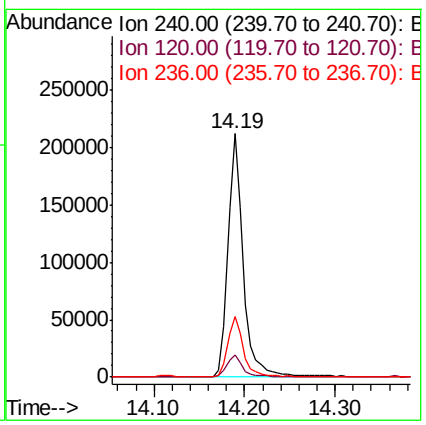
Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

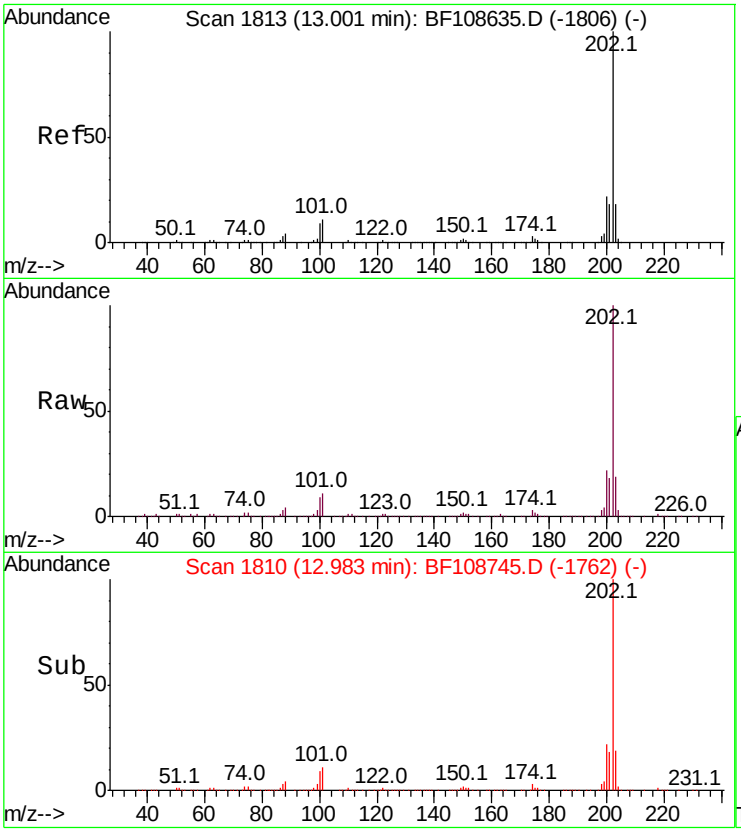


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:240 Resp: 248800

Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	25.1	20.7	31.1

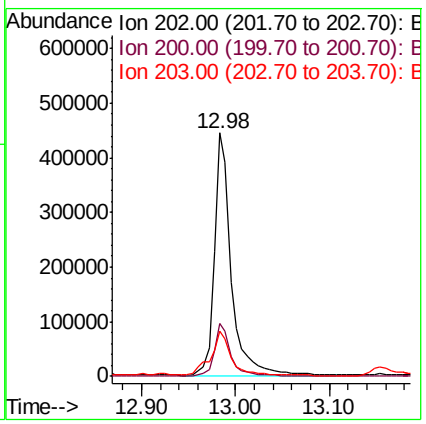




#77
Pyrene
Concen: 29.793 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

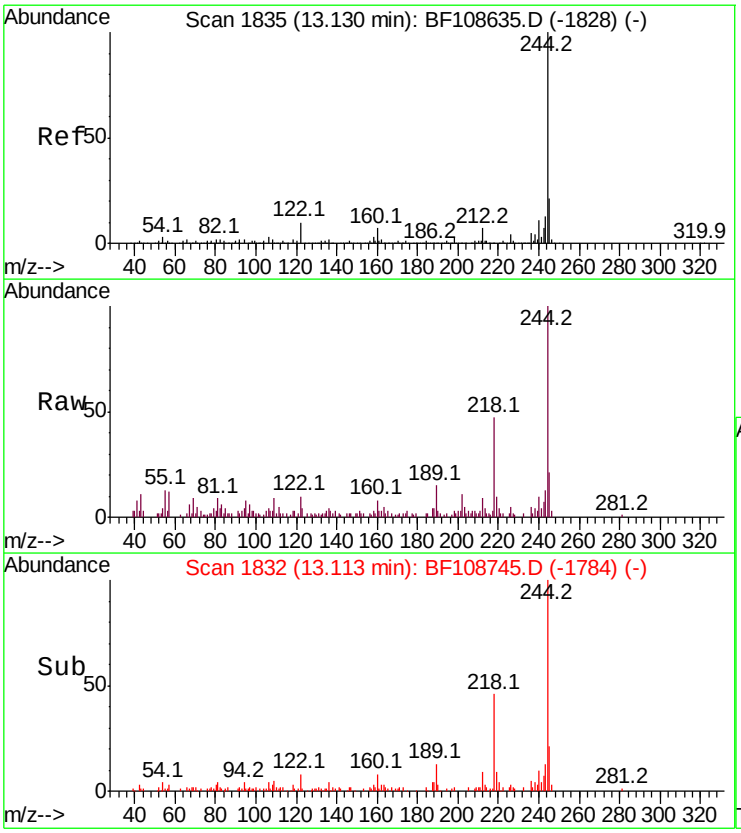
Tgt Ion:202 Resp: 557210

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
DW-06RE

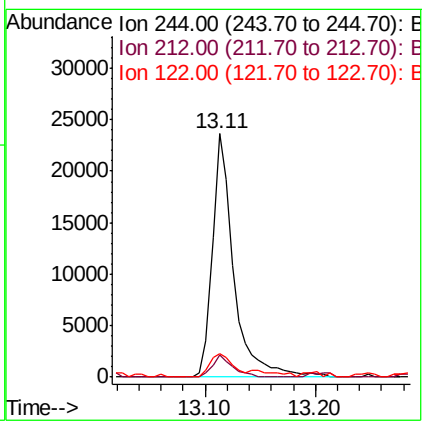
Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

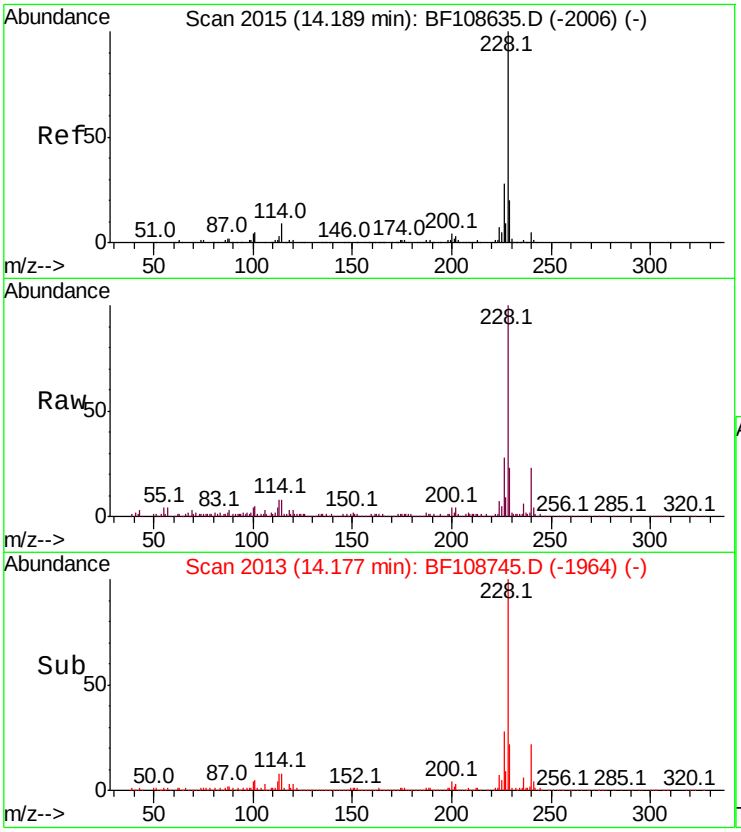


#78
Terphenyl-d14
Concen: 2.476 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:244 Resp: 31708

Ion	Ratio	Lower	Upper
244	100		
212	8.9	5.4	8.0#
122	9.6	11.0	16.4#

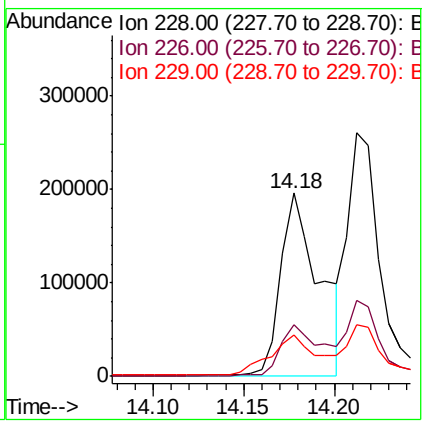




#80
Benzo(a)anthracene
Concen: 19.153 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

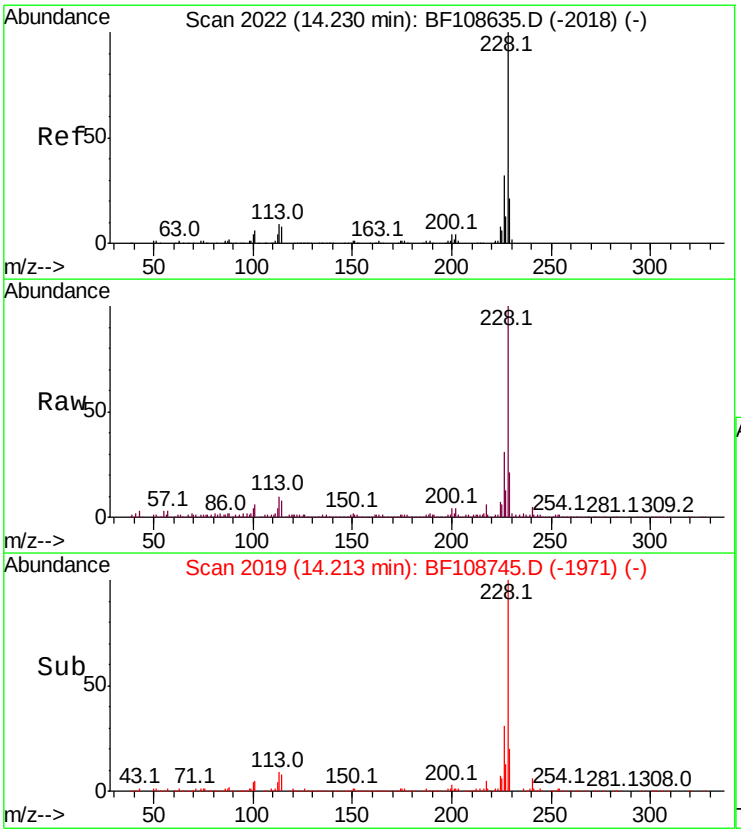
Tgt Ion:228 Resp: 290505

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.6	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
DW-06RE

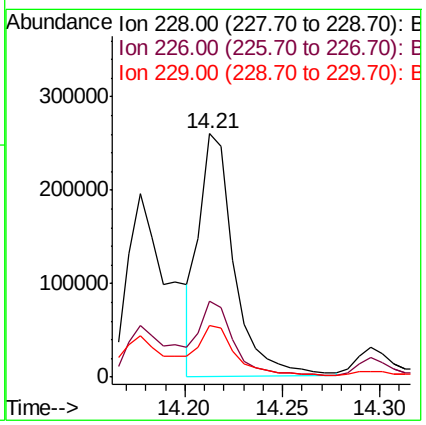
Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

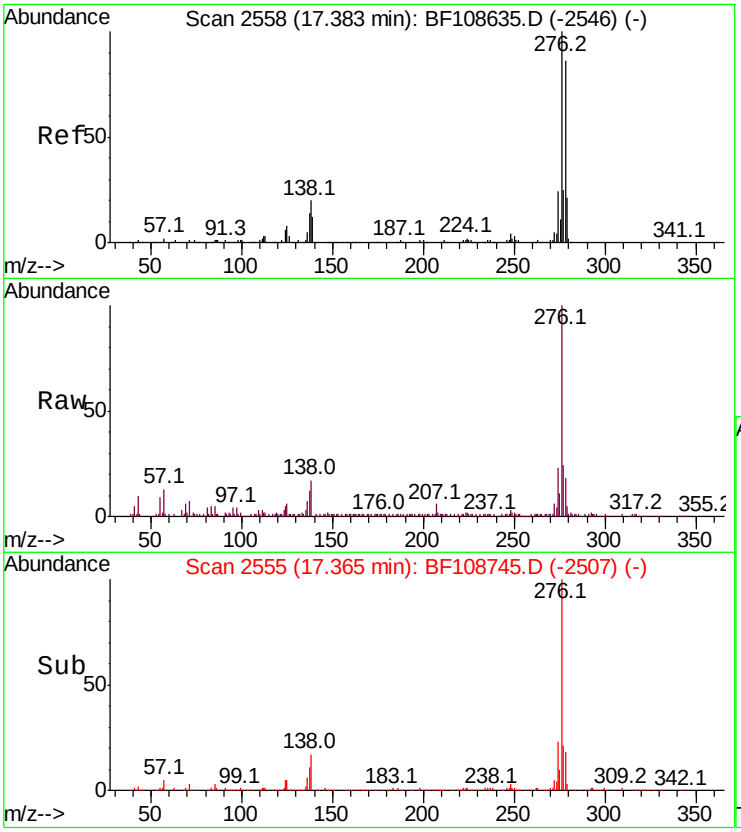


#82
Chrysene
Concen: 22.244 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:228 Resp: 324461

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	20.9	16.2	24.4

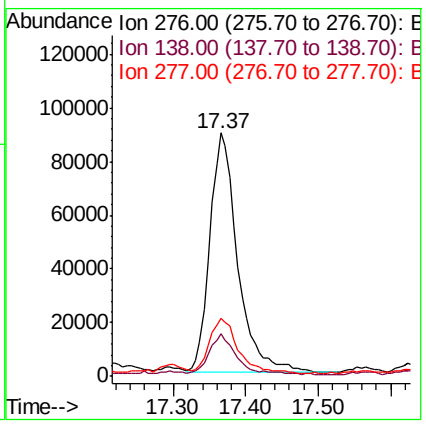




#85
Indeno(1,2,3-cd)pyrene
Concen: 23.663 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

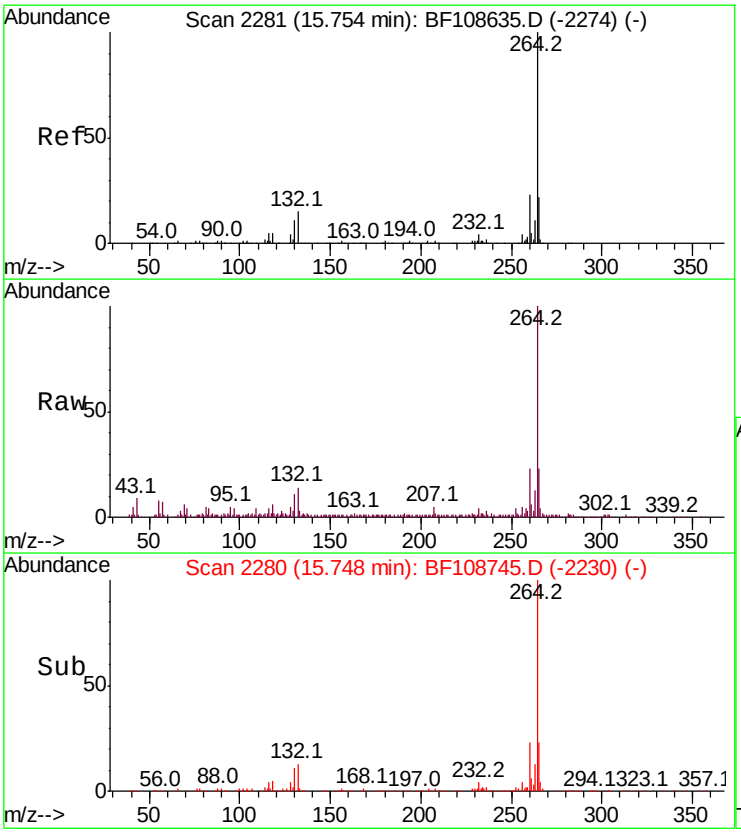
Tgt Ion:276 Resp: 239993

Ion	Ratio	Lower	Upper
276	100		
138	15.0	25.0	37.6#
277	23.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
DW-06RE

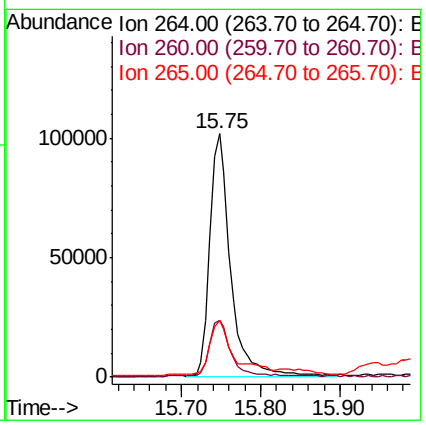
Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

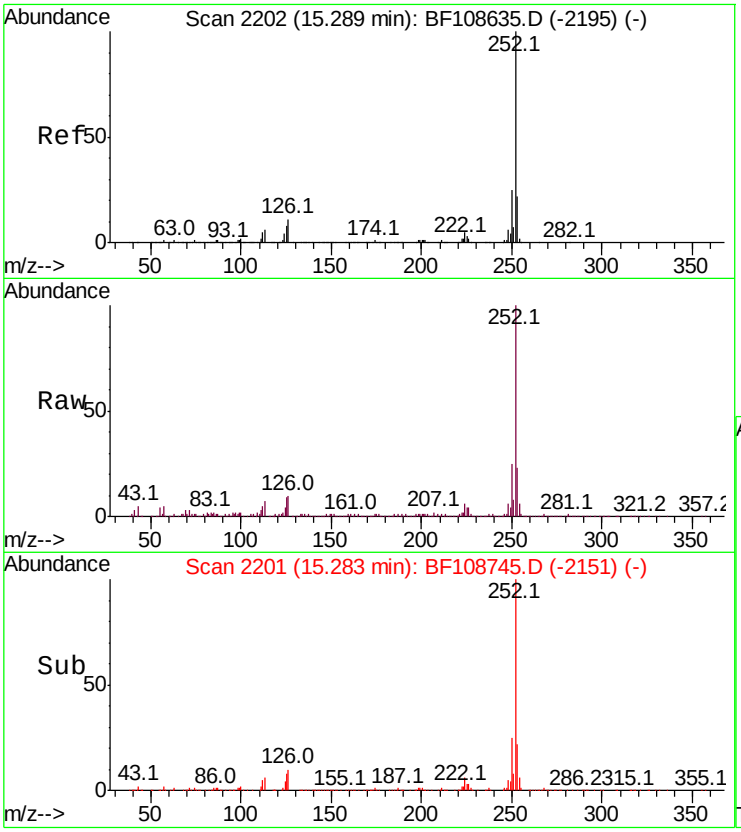


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:264 Resp: 183872

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.2	17.5	26.3





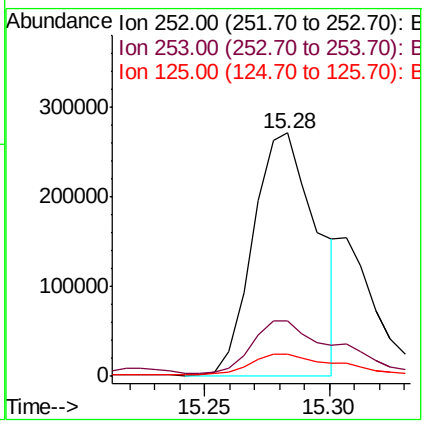
#87
Benzo(b)fluoranthene
Concen: 43.310 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

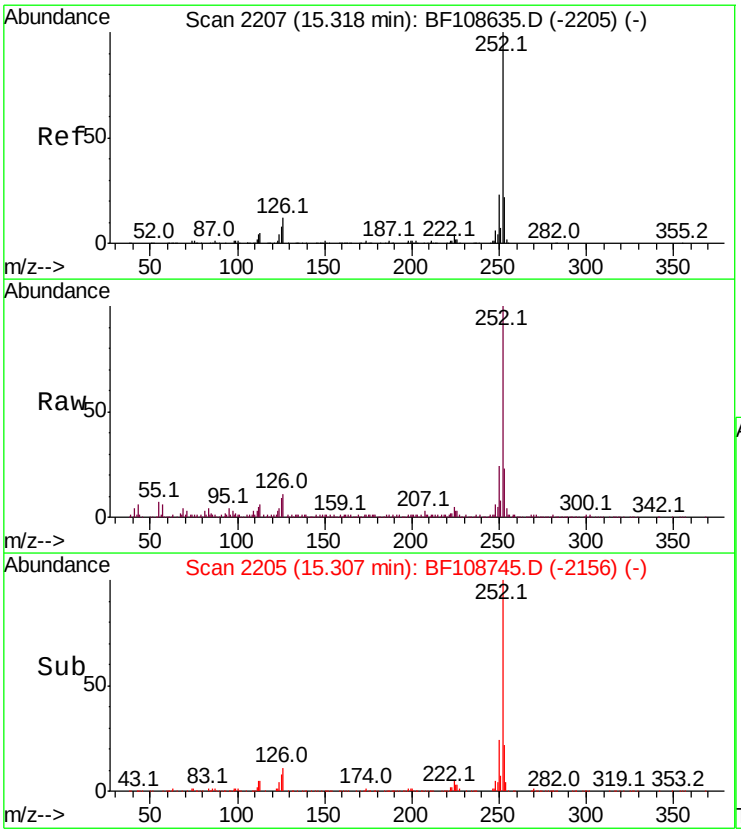
Tgt Ion:252 Resp: 489188

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	8.9	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

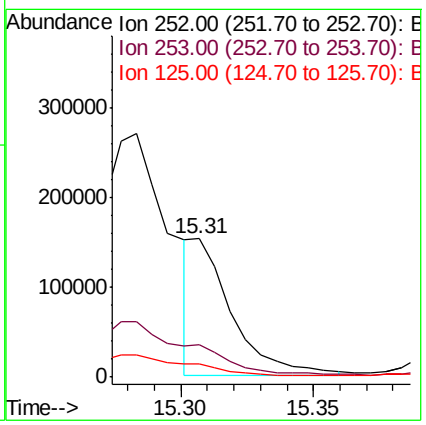


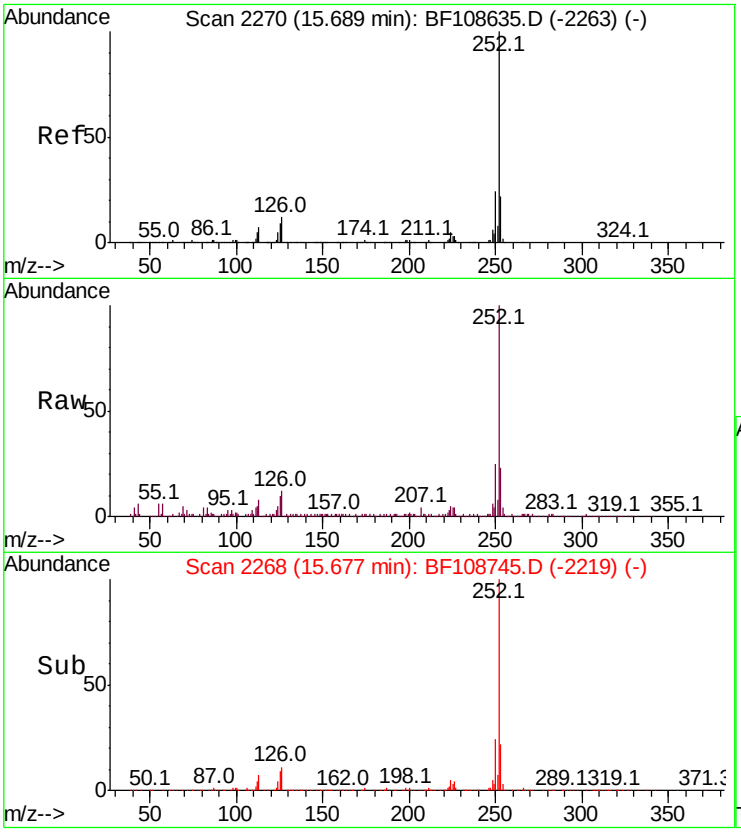


#88
Benzo(k)fluoranthene
Concen: 14.184 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:252 Resp: 158712

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	9.4	10.2	15.2#

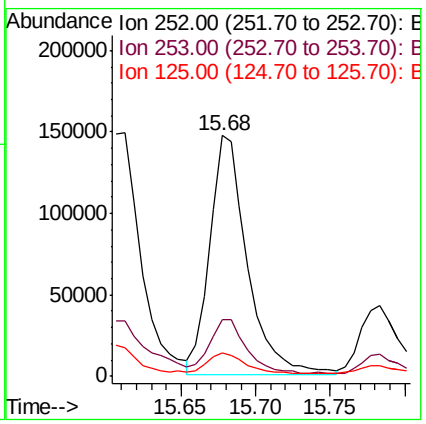




#89
Benzo(a)pyrene
Concen: 25.247 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

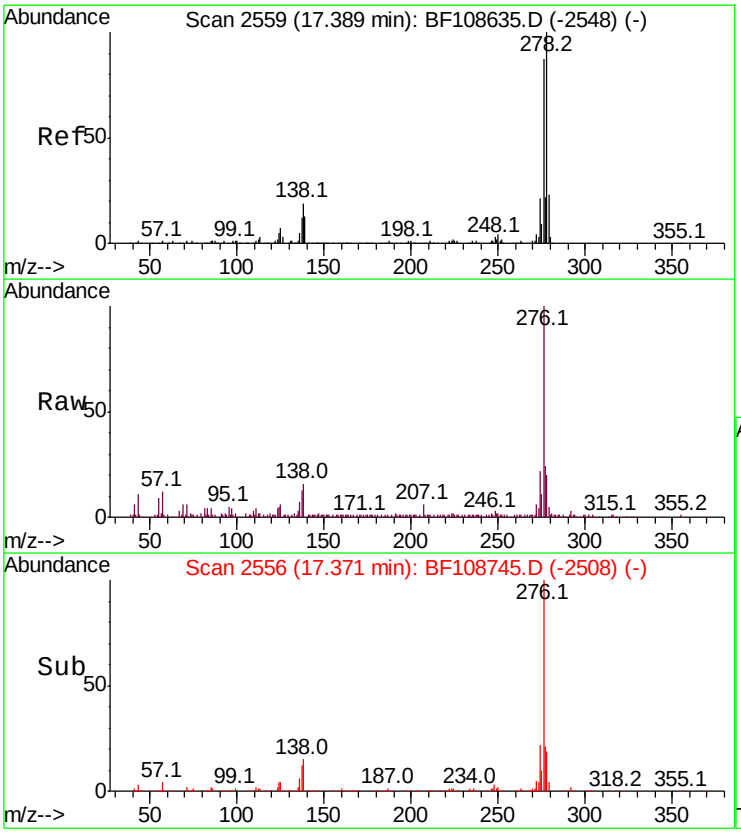
Tgt Ion:252 Resp: 257709

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.0	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
DW-06RE

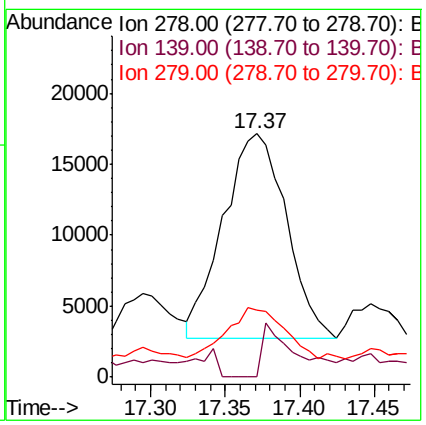
Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM

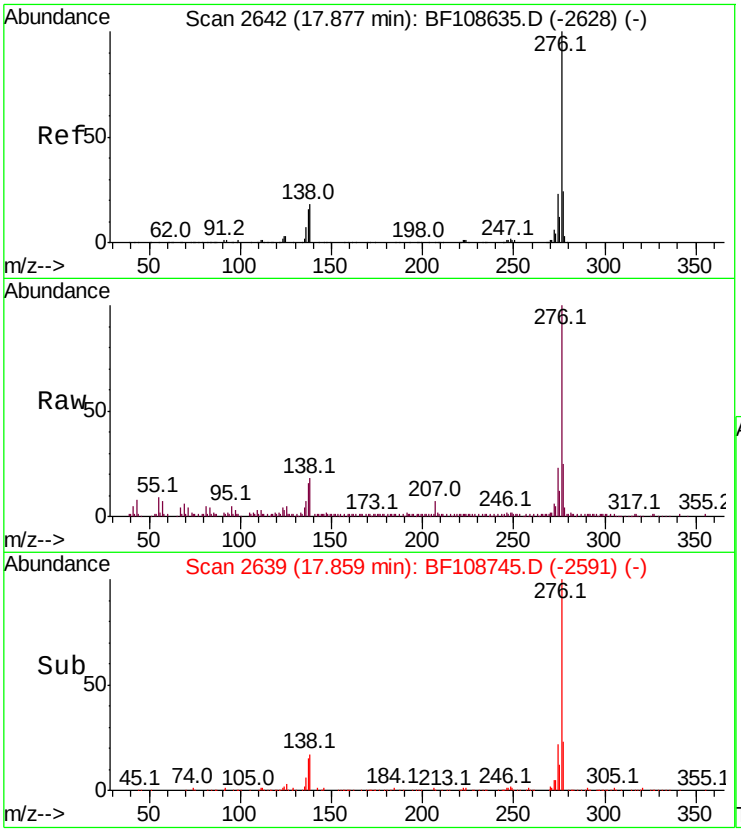


#90
Dibenzo(a,h)anthracene
Concen: 5.217 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:278 Resp: 42532

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.4	19.0	28.4

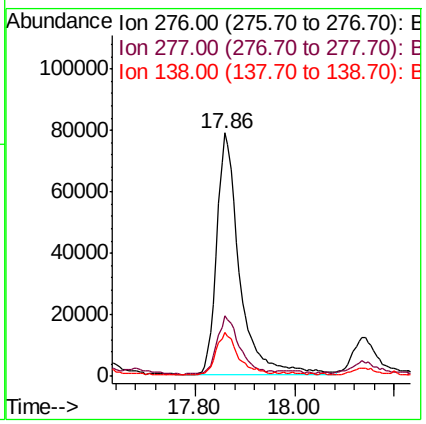




#91
Benzo(g,h,i)perylene
Concen: 31.499 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.02 min
Lab File: BF108745.D
Acq: 4 Sep 2018 17:13

Tgt Ion:276 Resp: 249580

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	18.2	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
DW-06RE

Manual Integrations APPROVED
Sohil
9/5/2018 12:47:34 PM