Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007227.D
Acq On : 16 Aug 2019 17:36
Operator : HP/JU
Sample : K4239-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 17 01:52:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	7273	0.40	ng		-0.02
6) Naphthalene-d8	10.17	136	27641	0.40	ng		-0.01
12) Acenaphthene-d10	14.07	164	18482	0.40	ng		-0.01
18) Phenanthrene-d10	16.81	188	36018	0.40	ng		-0.01
26) Chrysene-d12	21.05	240	39475	0.40	ng		-0.01
32) Perylene-d12	23.15	264	50930	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	5892	0.34	ng		0.00
4) Phenol-d6	6.61	99	7626	0.35	ng		0.00
7) Nitrobenzene-d5	8.55	82	6736	0.30	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	12018	0.23	ng		-0.02
13) 2,4,6-Tribromophenol	15.57	330	2041	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	754	0.03	ng		0.00
24) Fluoranthene-d10	18.86	212	29751	0.23	ng		0.00
28) Terphenyl-d14	19.48	244	24360	0.23	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.23	128	42622	0.550	ng		99
11) 2-Methylnaphthalene	11.85	142	57576	1.048	ng		97
15) Acenaphthylene	13.78	152	212811	2.203	ng	#	95
16) Acenaphthene	14.13	154	92340	1.492	ng		93
17) Fluorene	15.12	166	175978	1.901	ng	#	84
22) Phenanthrene	16.86	178	4368001	40.466	ng		99
23) Anthracene	16.95	178	676695	6.861	ng		98
25) Fluoranthene	18.89	202	4160070	30.128	ng		97
27) Pyrene	19.26	202	7102221	51.304	ng	#	93
29) Benzo(a)anthracene	21.02	228	3194018	22.125	ng		95
30) Chrysene	21.08	228	3462253	24.685	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	1180801	7.638	ng		98
33) Benzo(b)fluoranthene	22.54	252	2527711m	14.474	ng		
34) Benzo(k)fluoranthene	22.57	252	816403m	4.733	ng		
35) Benzo(a)pyrene	23.07	252	2275007	14.369	ng		98
36) Dibenzo(a,h)anthracene	25.24	278	407006	2.576	ng		93
37) Benzo(g,h,i)perylene	25.87	276	1466473	9.025	ng		100

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

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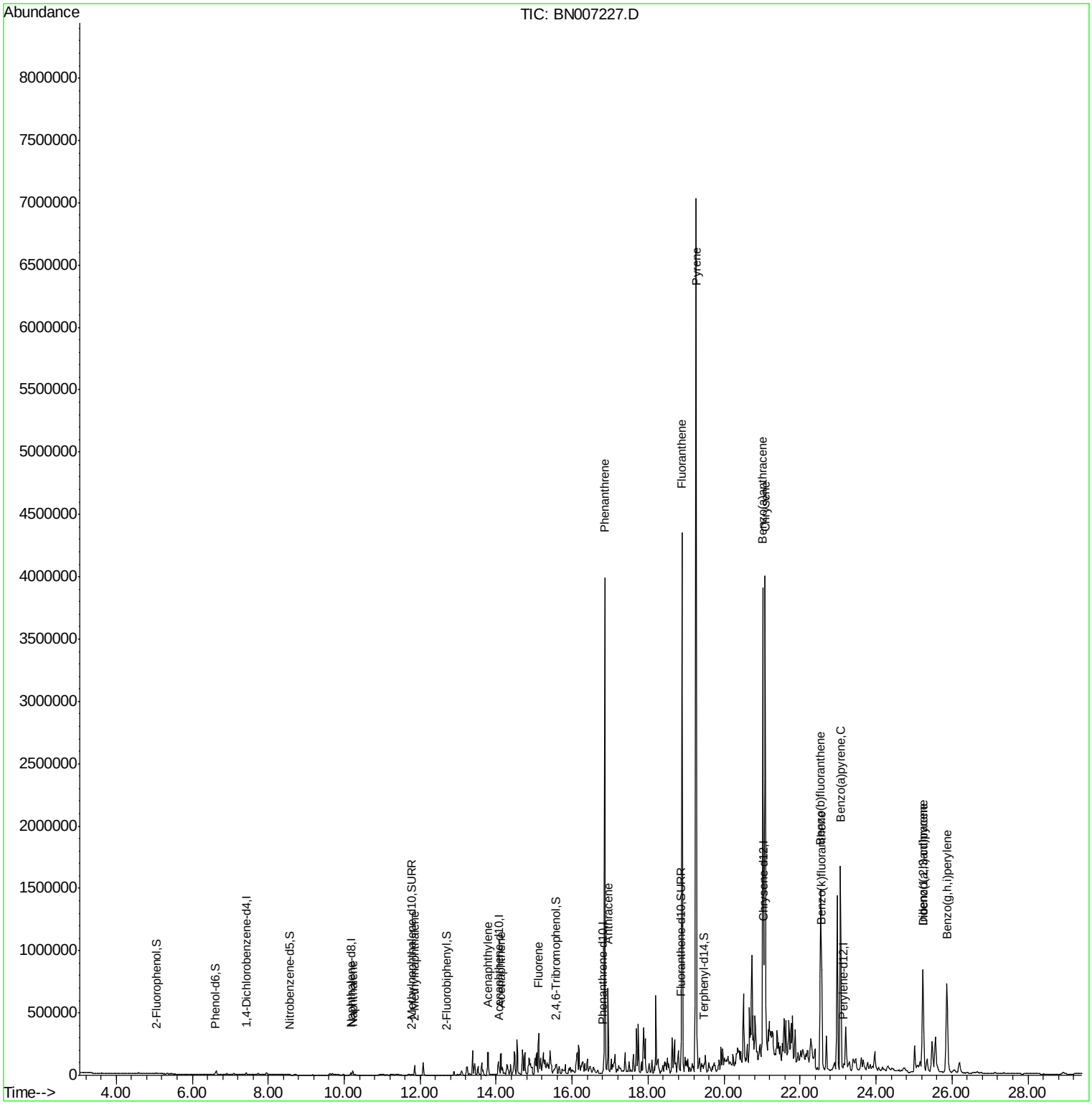
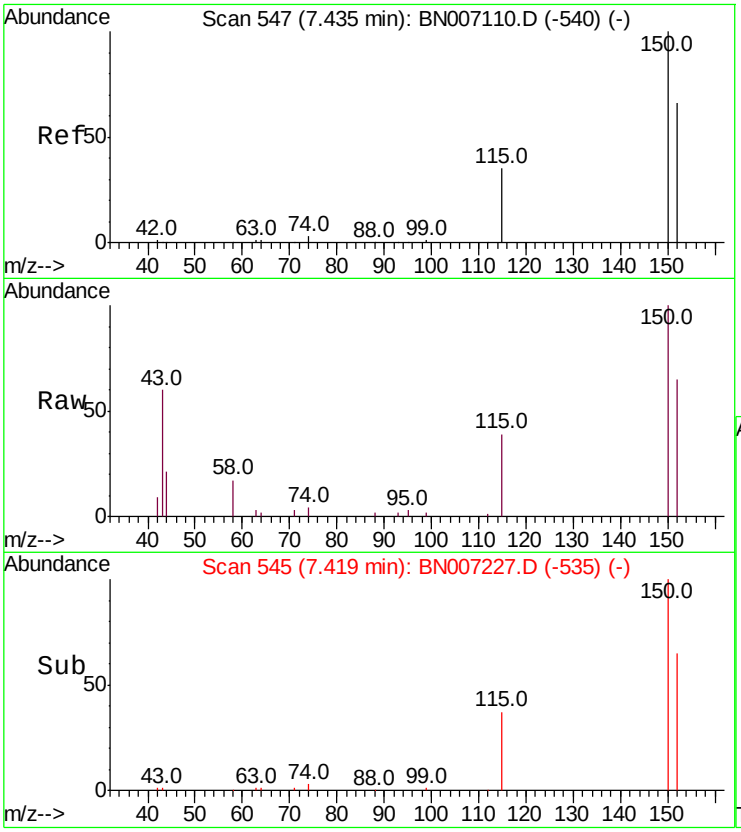
Manual Integrations APPROVED

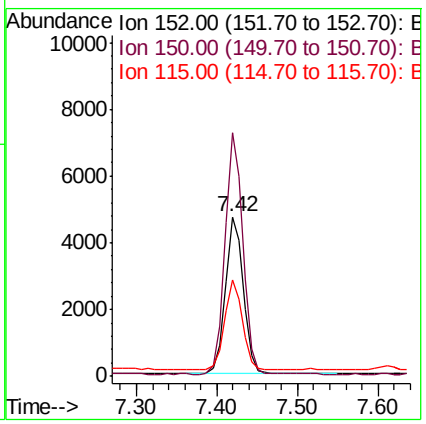




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

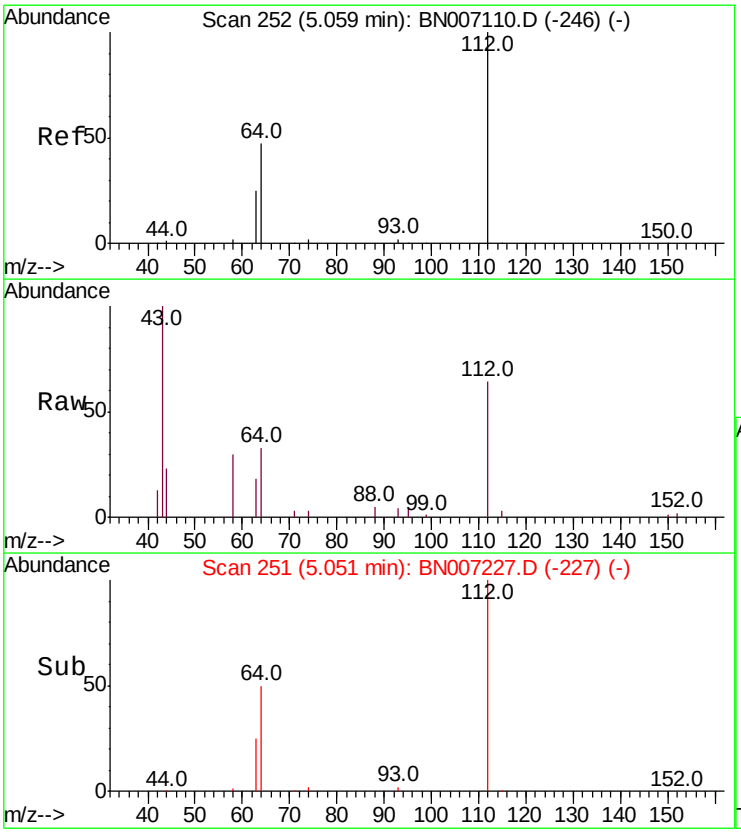
Tgt Ion:152 Resp: 7273

Ion	Ratio	Lower	Upper
152	100		
150	152.8	121.7	182.5
115	60.3	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

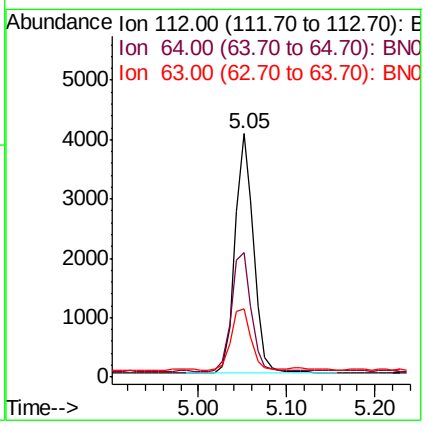
Manual Integrations APPROVED

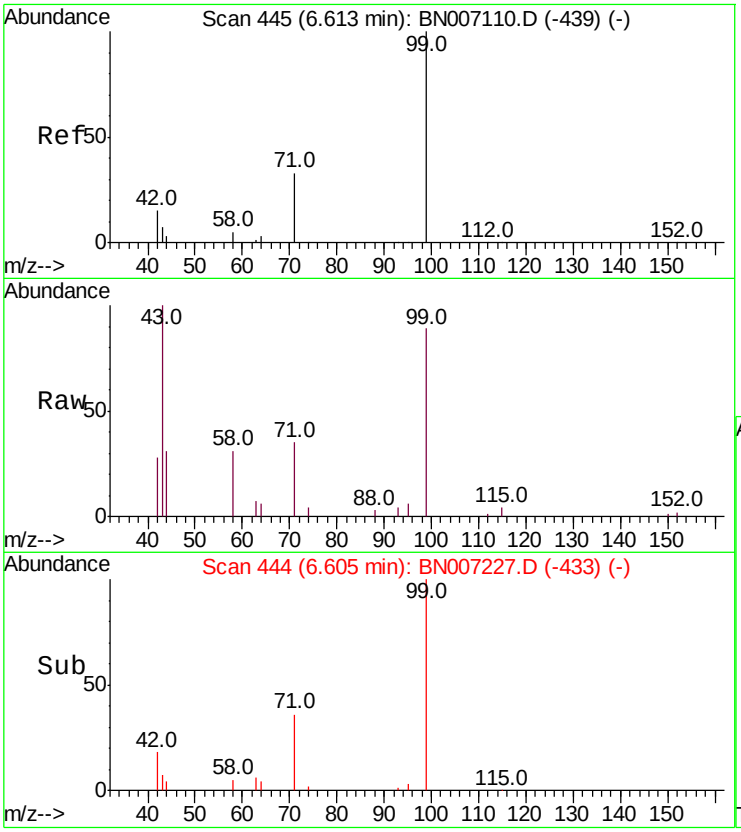


#3
2-Fluorophenol
Concen: 0.337 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:112 Resp: 5892

Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.6	63.8
63	27.5	22.2	33.2

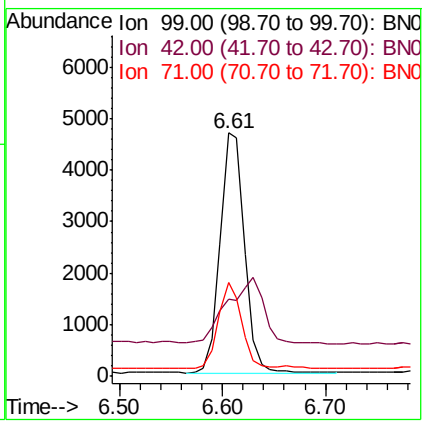




#4
Phenol-d6
Concen: 0.352 ng
RT: 6.61 min Scan# 444
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

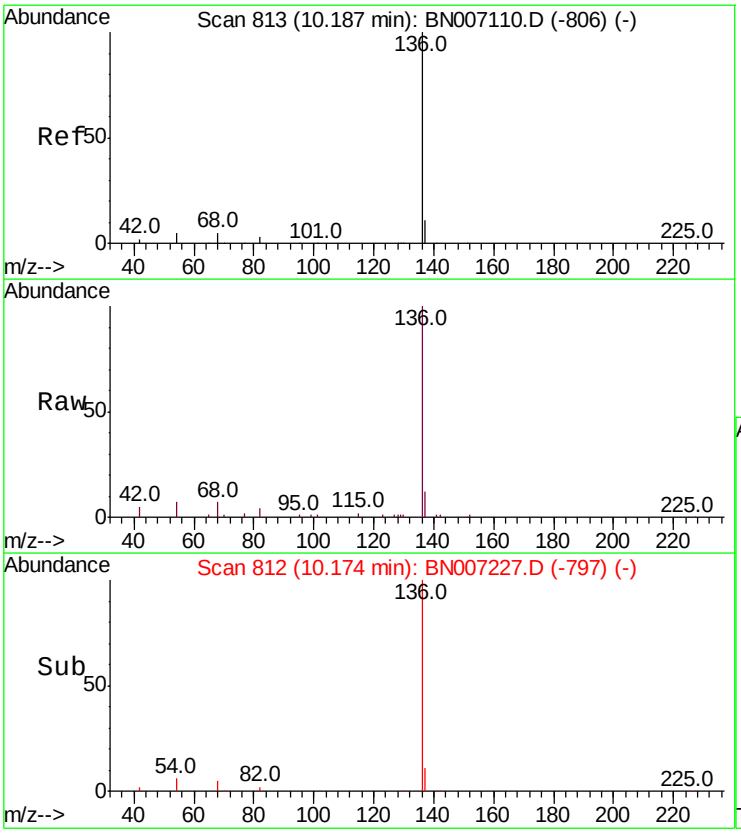
Tgt Ion: 99 Resp: 7626

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	34.3	27.0	40.4



Instrument :
BNA_N
ClientSampleId :

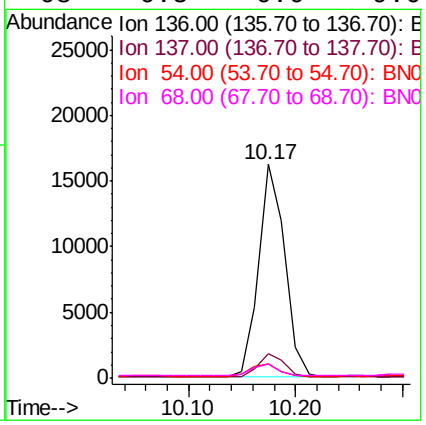
Manual Integrations APPROVED

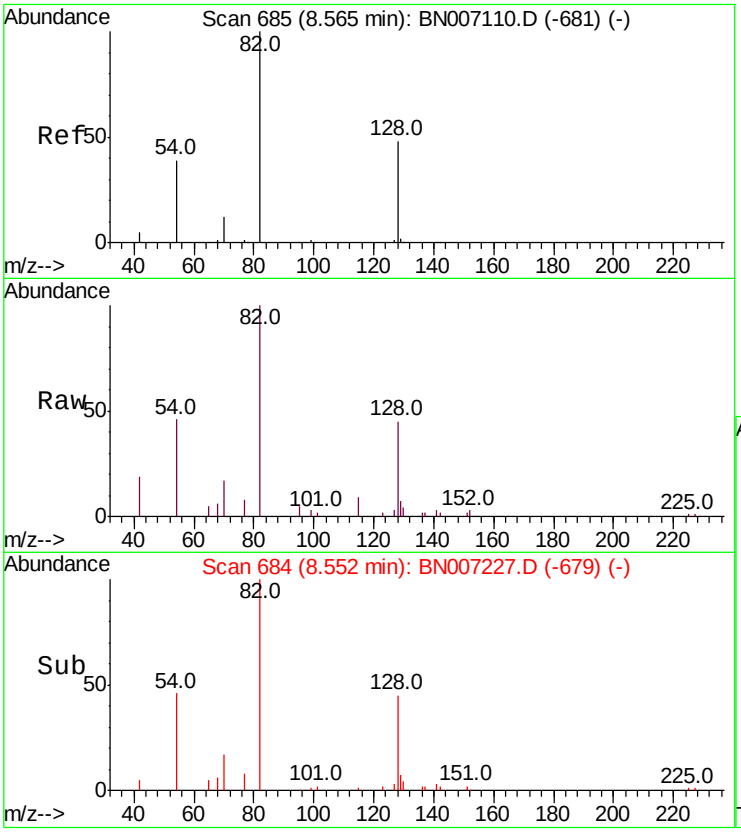


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:136 Resp: 27641

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	6.7	6.6	9.8
68	6.5	6.0	9.0

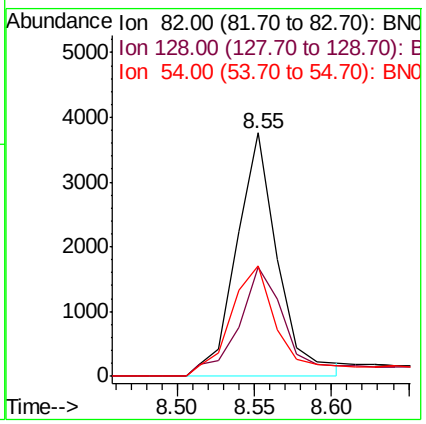




#7
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

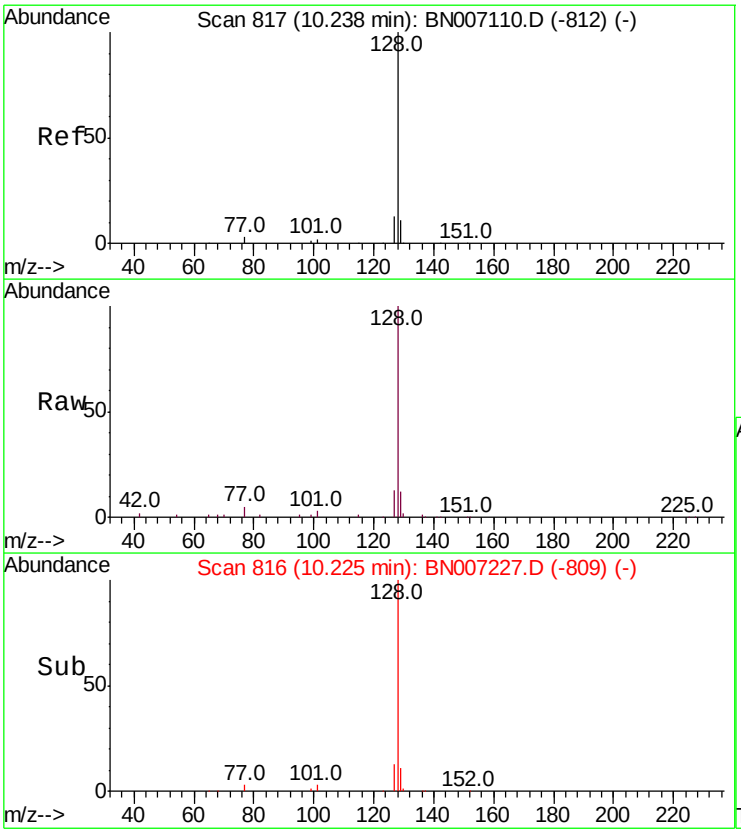
Tgt Ion: 82 Resp: 6736

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.6	51.8
54	45.6	36.2	54.4



Instrument :
BNA_N
ClientSampleId :

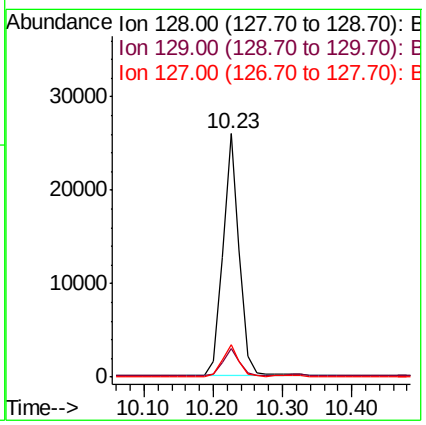
Manual Integrations APPROVED

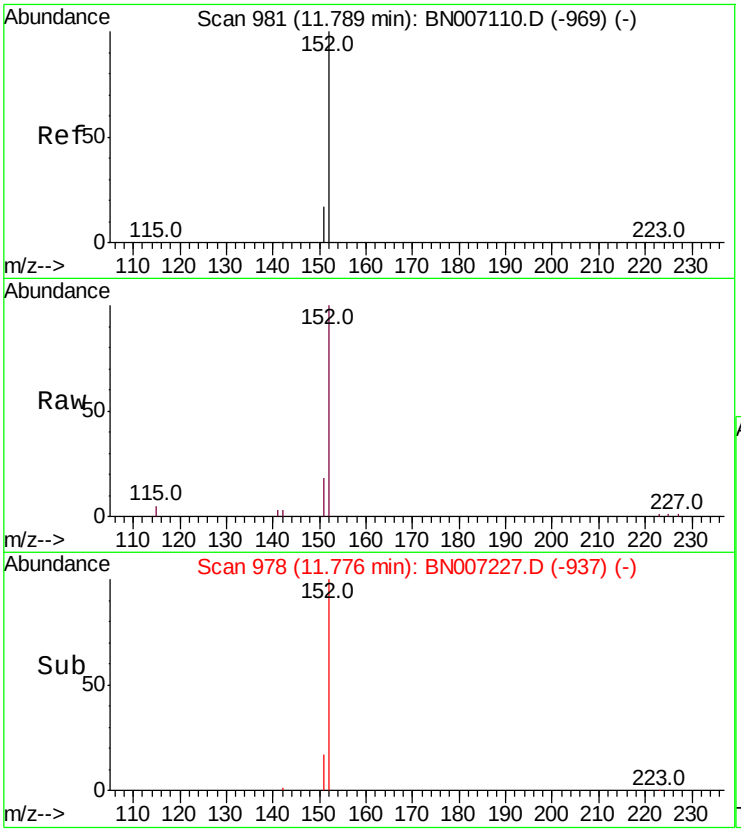


#8
Naphthalene
Concen: 0.550 ng
RT: 10.23 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:128 Resp: 42622

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.3	11.0	16.6

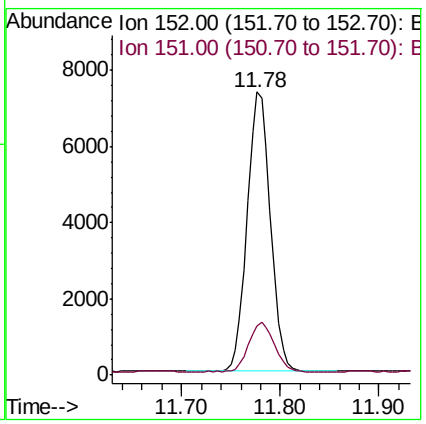




#10
2-Methylnaphthalene-d10
Concen: 0.233 ng
RT: 11.78 min Scan# 978
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

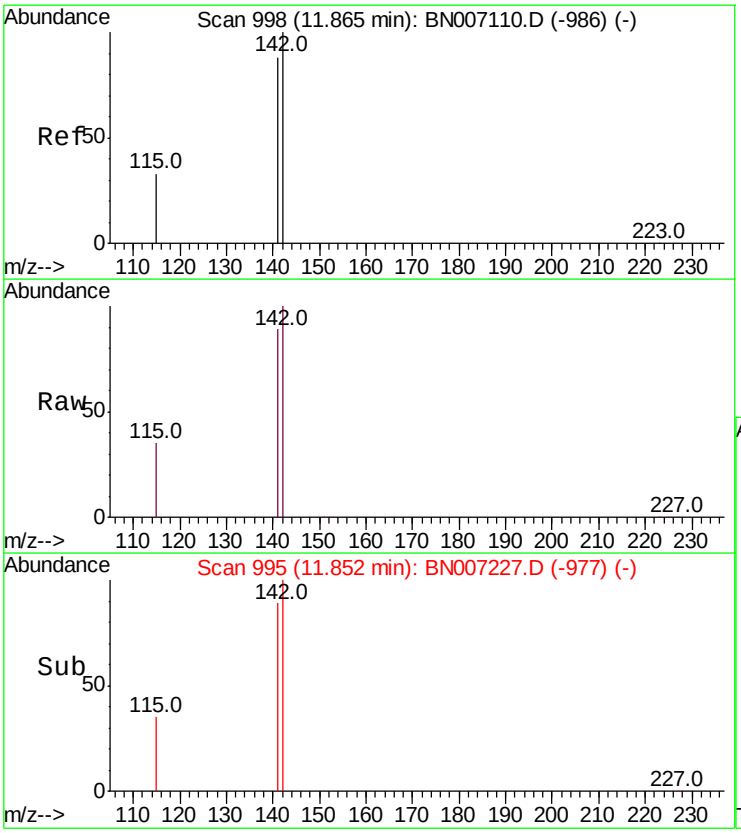
Tgt Ion:152 Resp: 12018

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3



Instrument :
BNA_N
ClientSampleId :

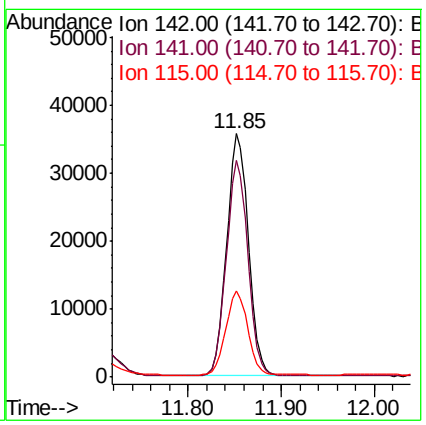
Manual Integrations APPROVED

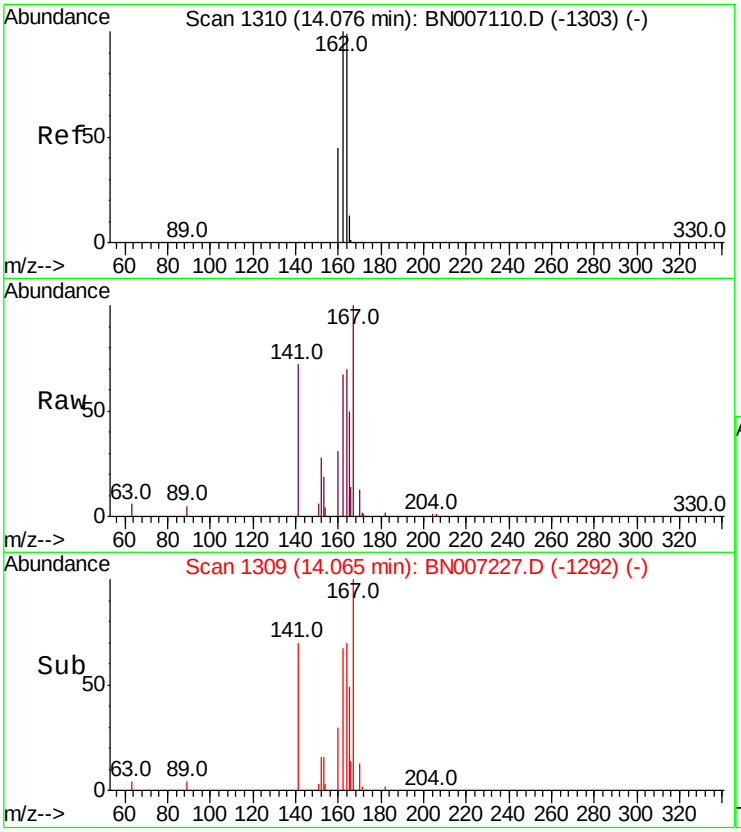


#11
2-Methylnaphthalene
Concen: 1.048 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:142 Resp: 57576

Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.0	103.6
115	35.3	27.1	40.7

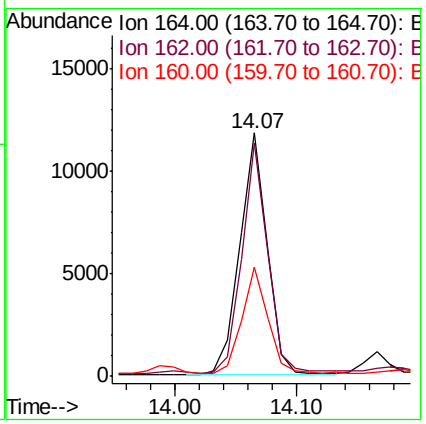




#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

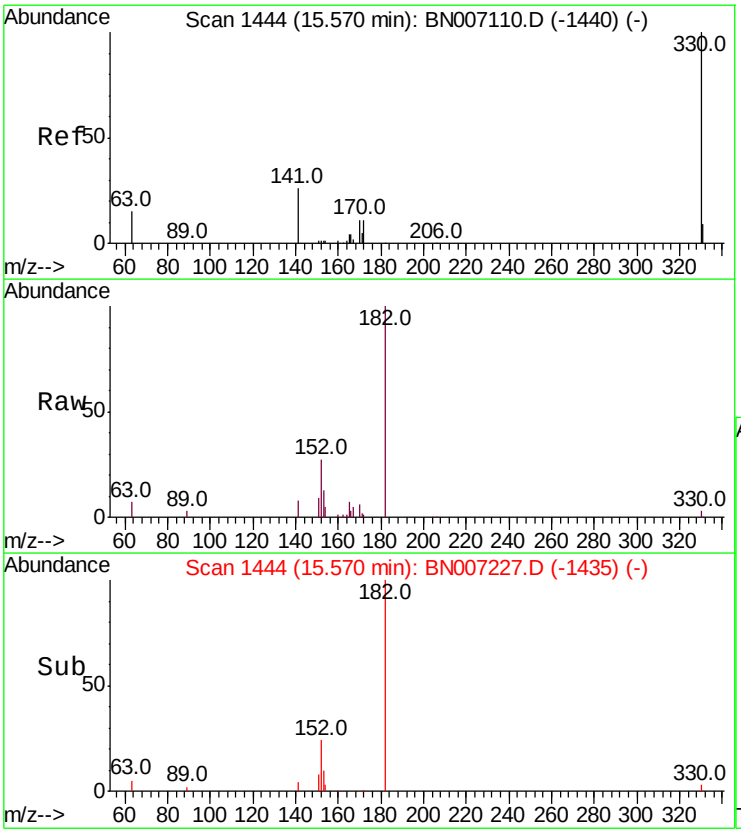
Tgt Ion:164 Resp: 18482

Ion	Ratio	Lower	Upper
164	100		
162	95.6	82.2	123.4
160	44.7	38.3	57.5



Instrument :
BNA_N
ClientSampleId :

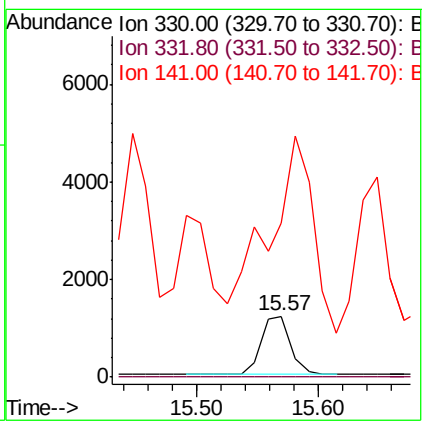
Manual Integrations APPROVED

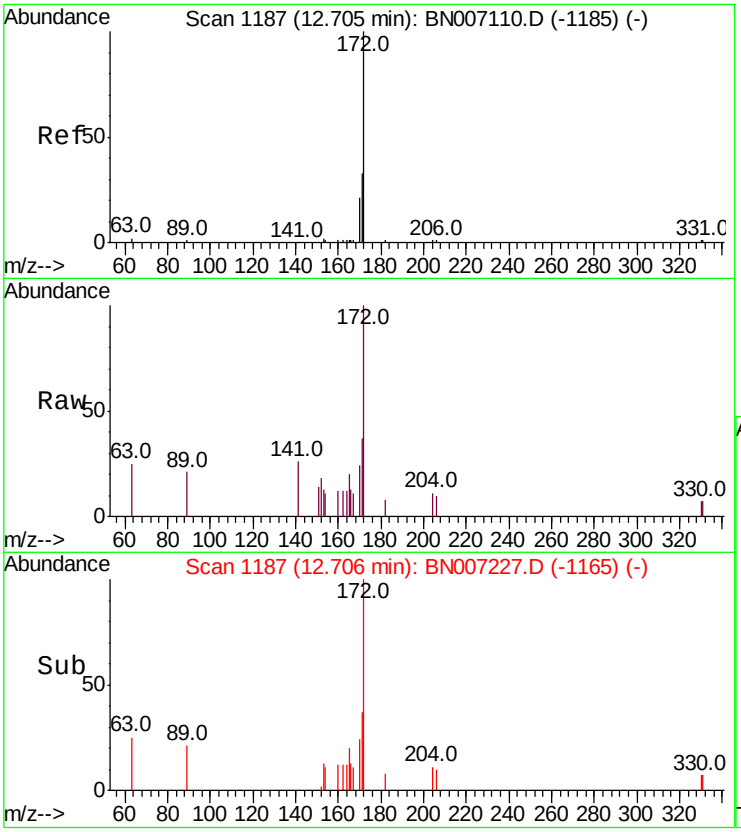


#13
2,4,6-Tribromophenol
Concen: 0.205 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:330 Resp: 2041

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	504.7	33.6	50.4#





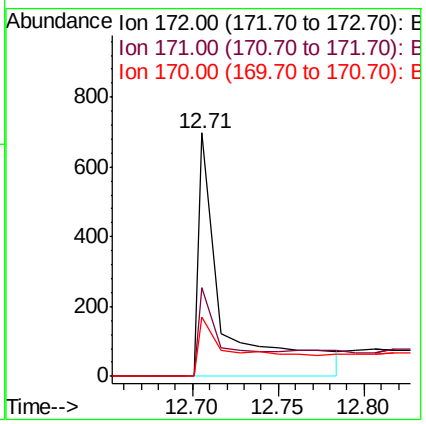
#14
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

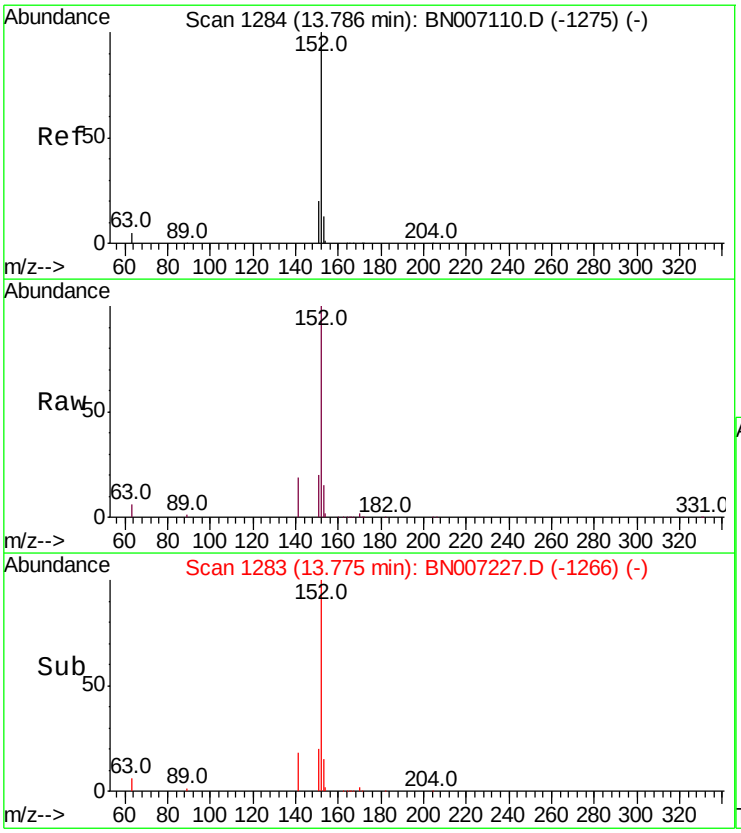
Tgt Ion:172 Resp: 754

Ion	Ratio	Lower	Upper
172	100		
171	36.7	26.3	39.5
170	24.4	17.0	25.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

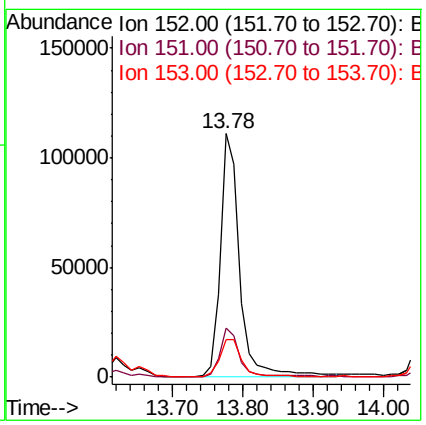


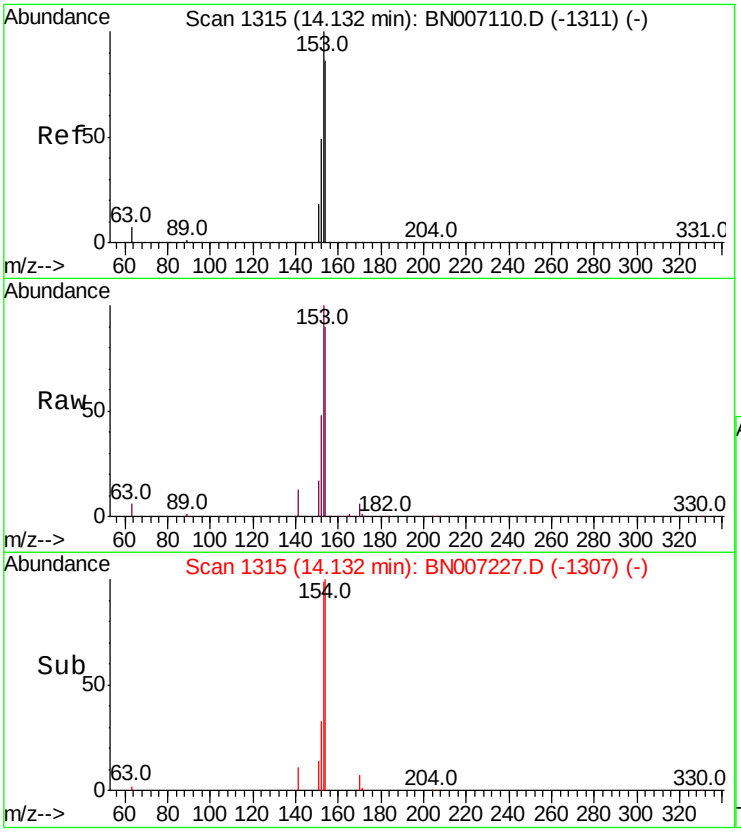


#15
Acenaphthylene
Concen: 2.203 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:152 Resp: 212811

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	17.4	10.4	15.6#

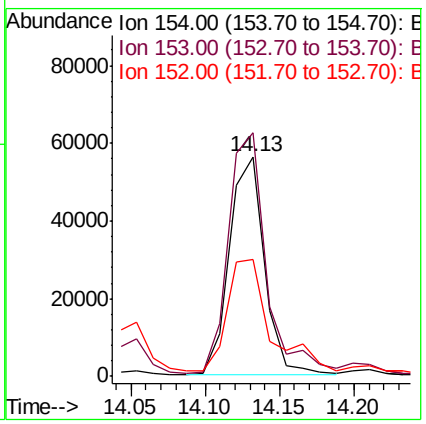




#16
Acenaphthene
Concen: 1.492 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:154 Resp: 92340

Ion	Ratio	Lower	Upper
154	100		
153	119.0	89.5	134.3
152	61.7	44.8	67.2



Instrument :
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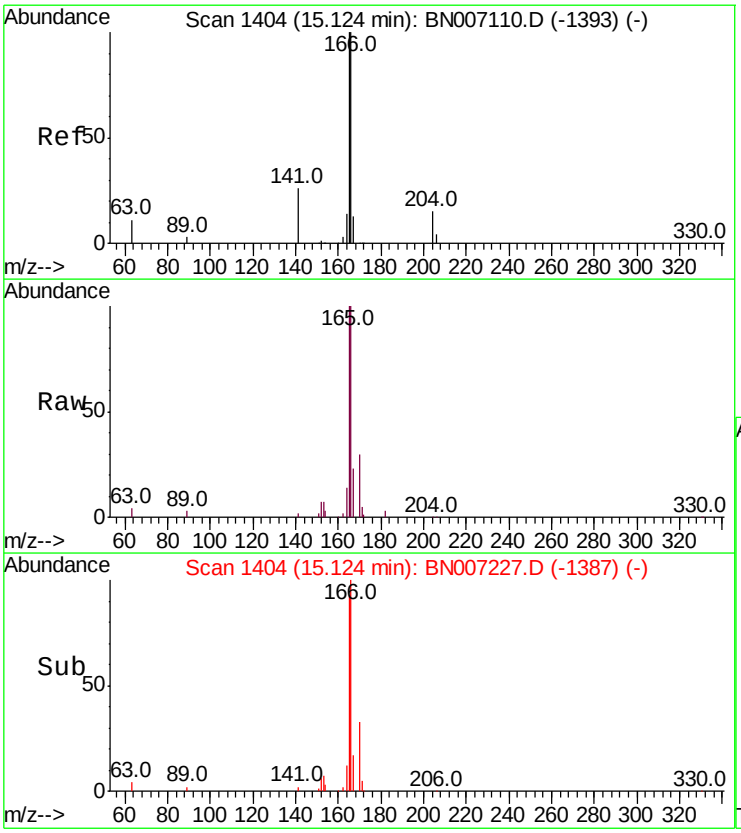
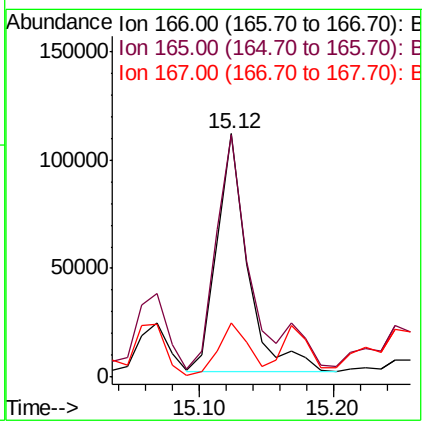
Manual Integrations APPROVED

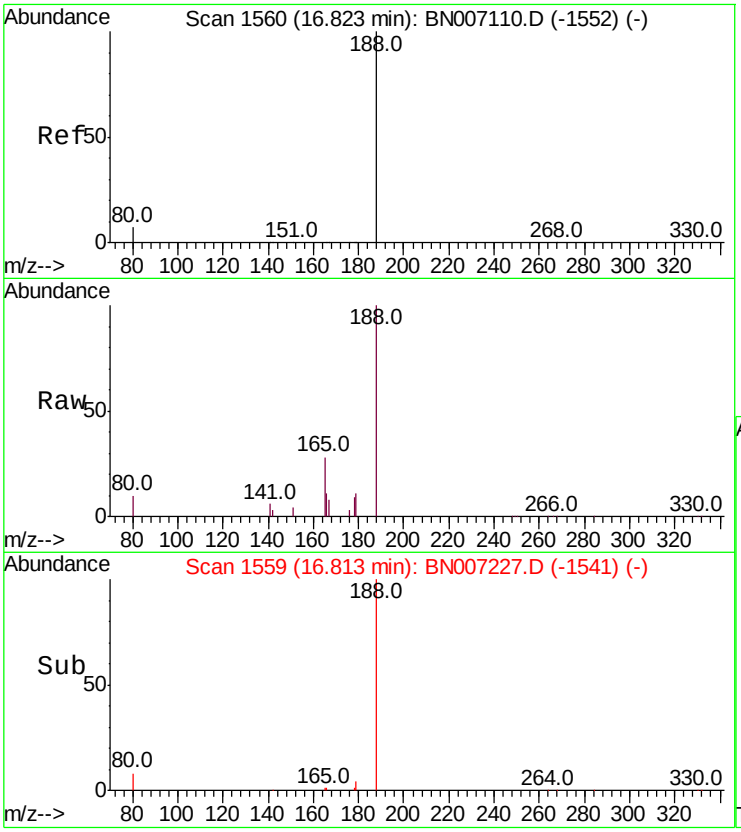


#17
Fluorene
Concen: 1.901 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:166 Resp: 175978

Ion	Ratio	Lower	Upper
166	100		
165	112.3	77.9	116.9
167	21.1	10.9	16.3#

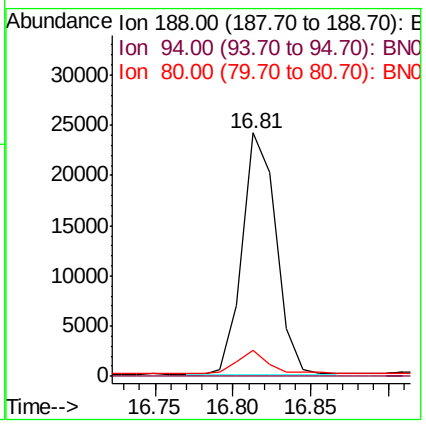




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

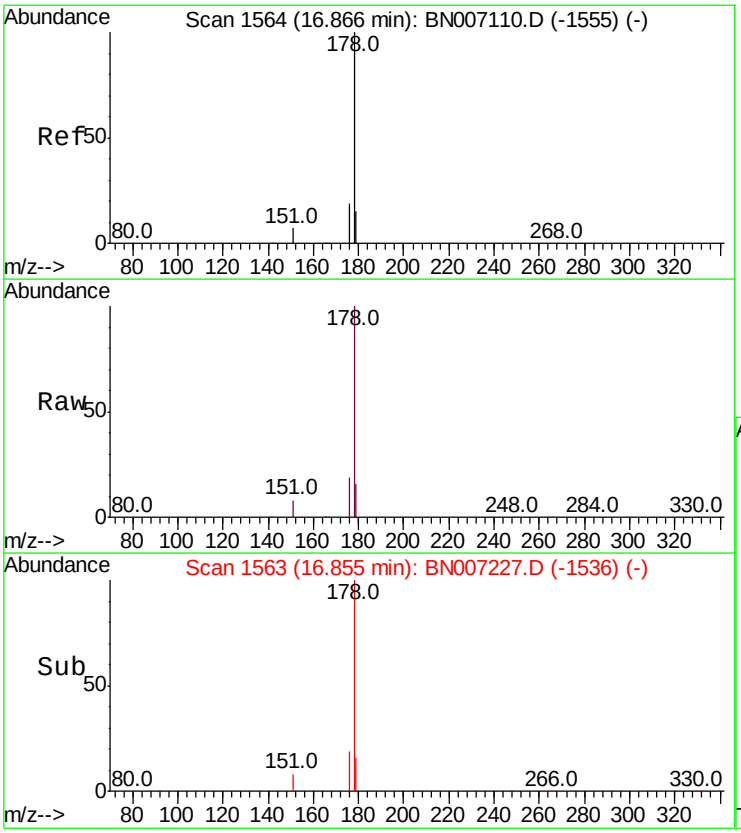
Tgt Ion:188 Resp: 36018

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	7.8	11.6



Instrument :
BNA_N
ClientSampleId :

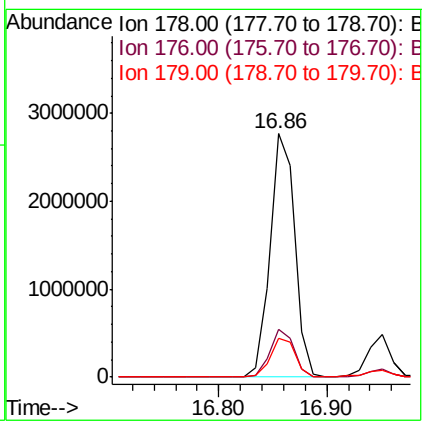
Manual Integrations APPROVED

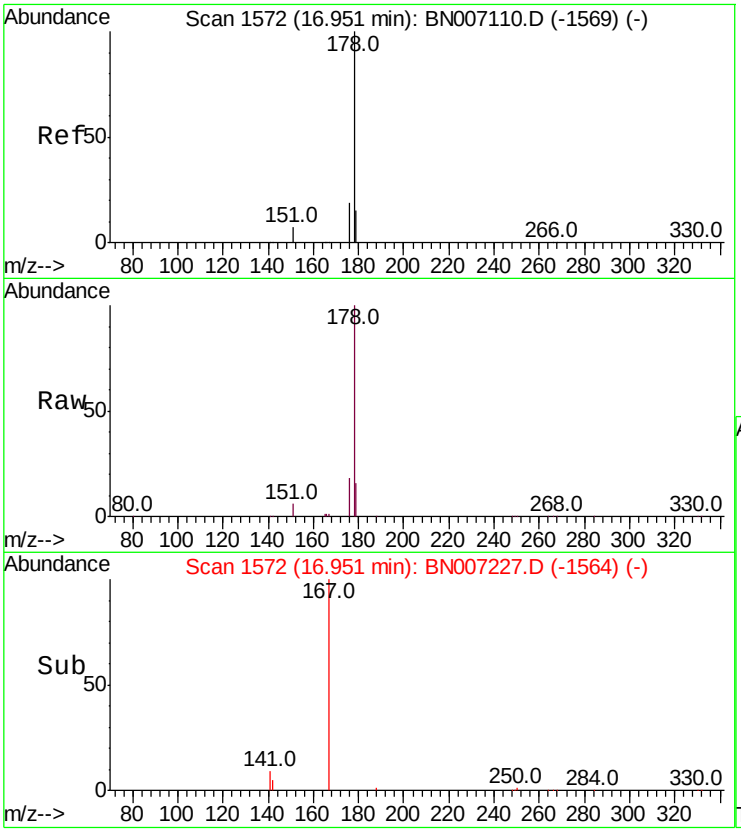


#22
Phenanthrene
Concen: 40.466 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:178 Resp: 4368001

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.2	12.3	18.5

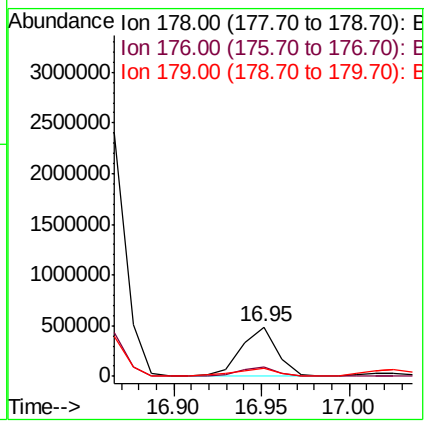




#23
Anthracene
Concen: 6.861 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

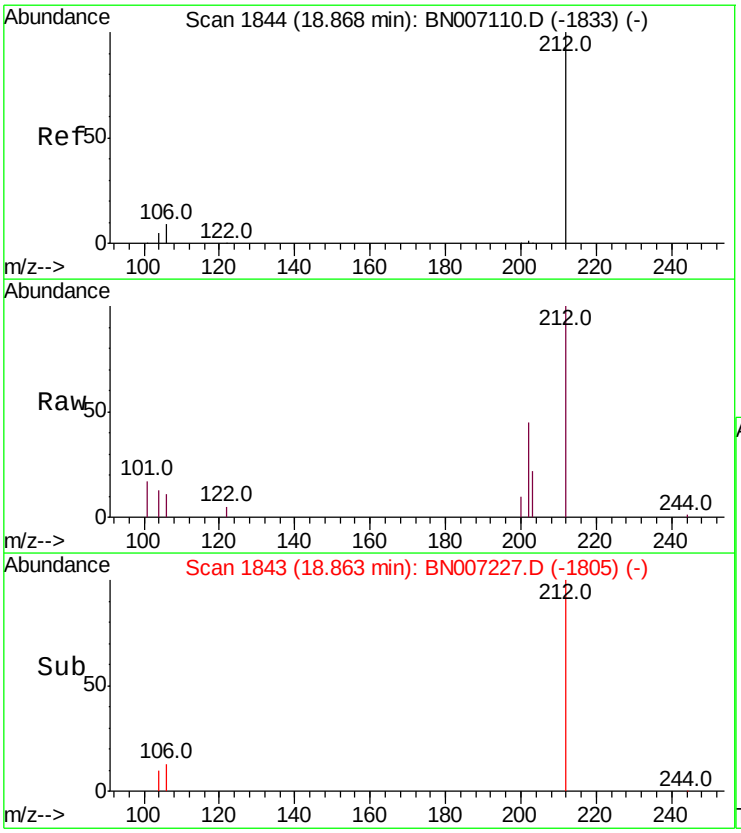
Tgt Ion:178 Resp: 676695

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	17.4	12.5	18.7



Instrument :
BNA_N
ClientSampleId :

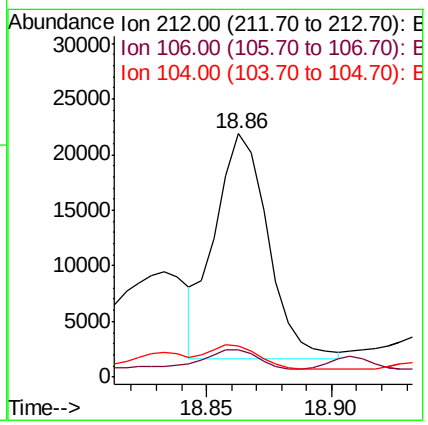
Manual Integrations APPROVED

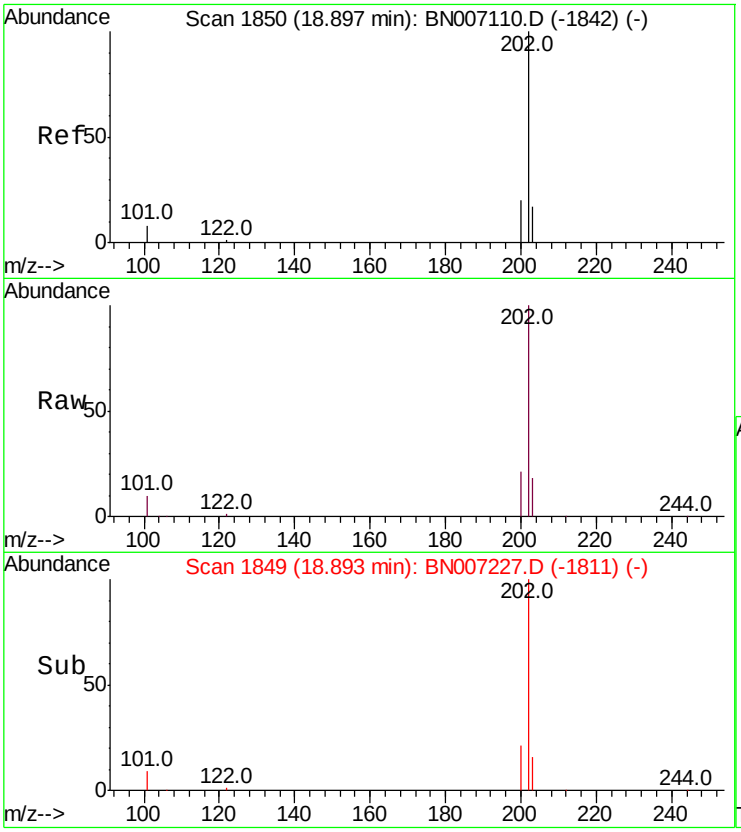


#24
Fluoranthene-d10
Concen: 0.233 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:212 Resp: 29751

Ion	Ratio	Lower	Upper
212	100		
106	11.3	8.2	12.2
104	10.9	4.5	6.7#

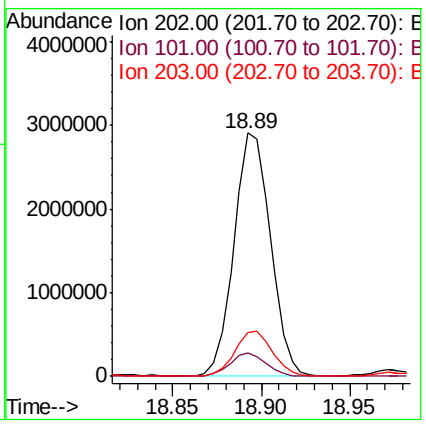




#25
Fluoranthene
Concen: 30.128 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

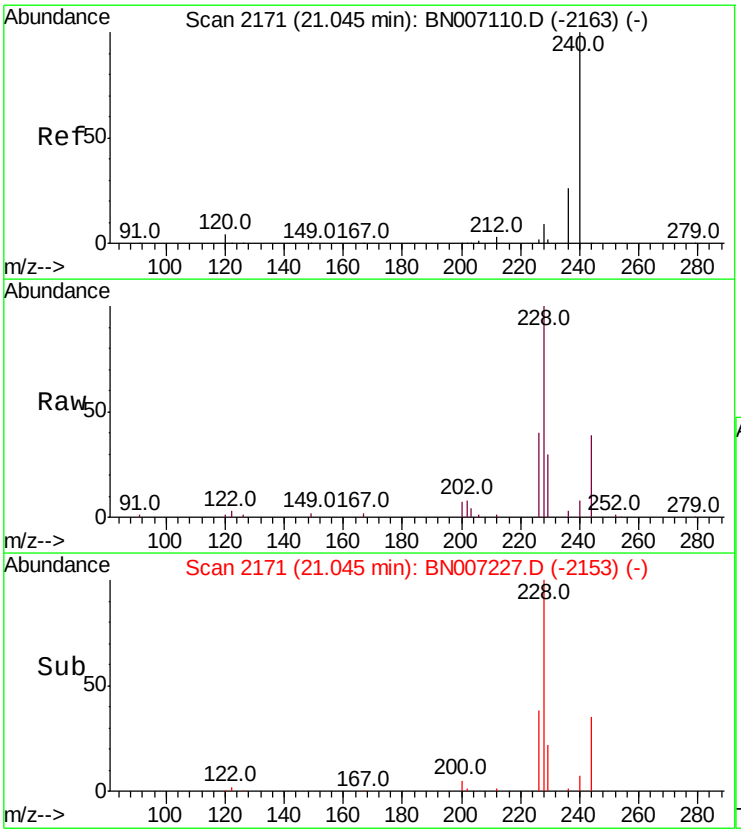
Tgt Ion:202 Resp: 4160070

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
203	18.8	13.8	20.8



Instrument :
BNA_N
ClientSampleId :

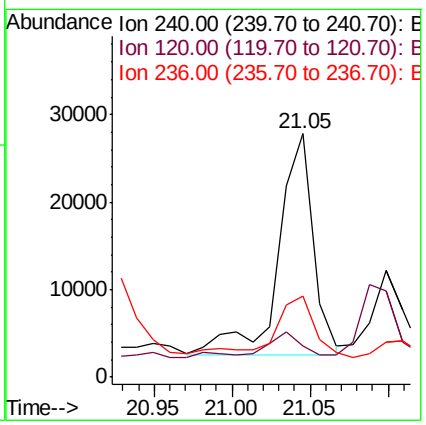
Manual Integrations APPROVED

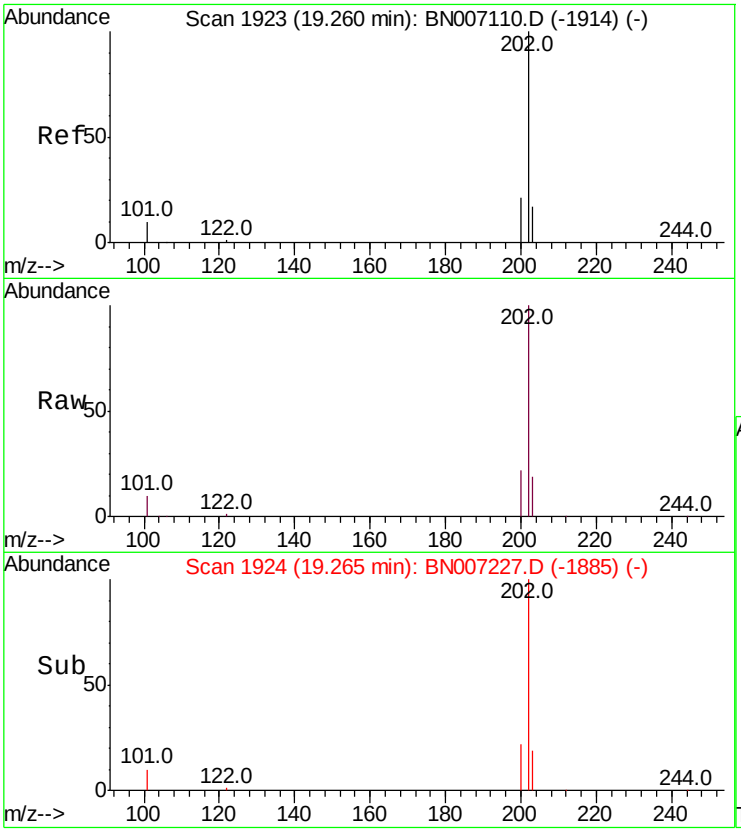


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:240 Resp: 39475

Ion	Ratio	Lower	Upper
240	100		
120	12.6	4.0	6.0#
236	33.4	21.3	31.9#

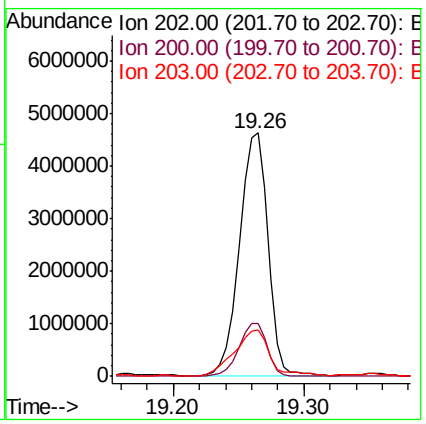




#27
Pyrene
Concen: 51.304 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

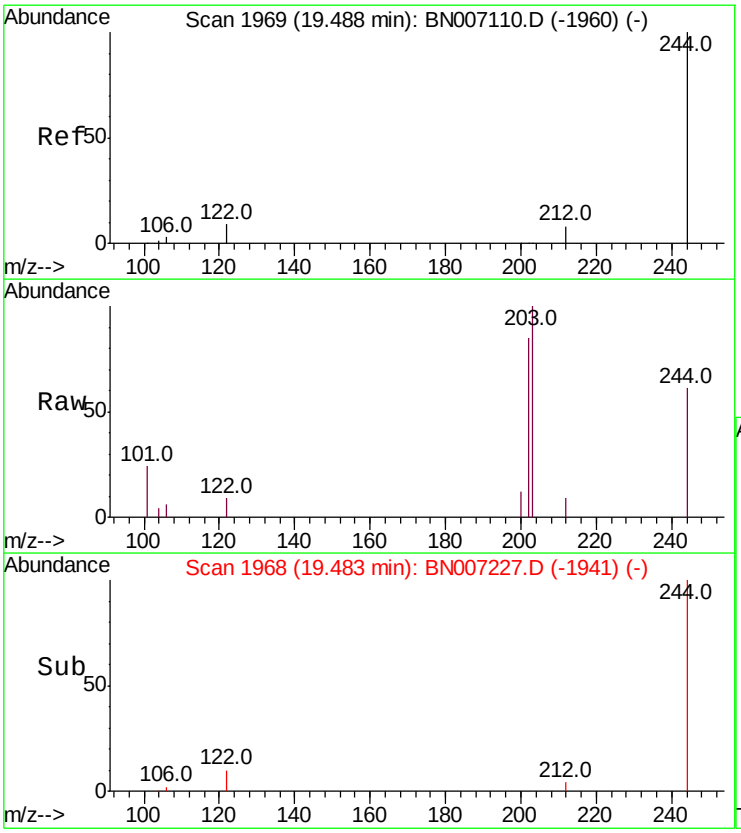
Tgt Ion:202 Resp: 7102221

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	23.3	14.0	21.0#



Instrument :
BNA_N
ClientSampleId :

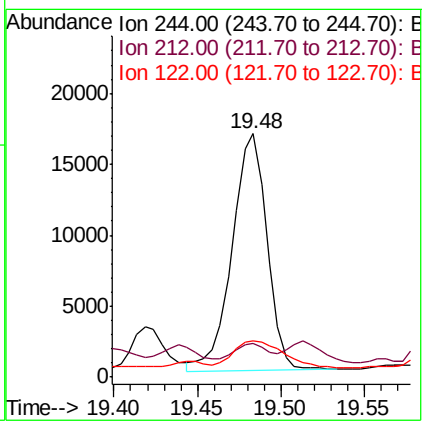
Manual Integrations APPROVED

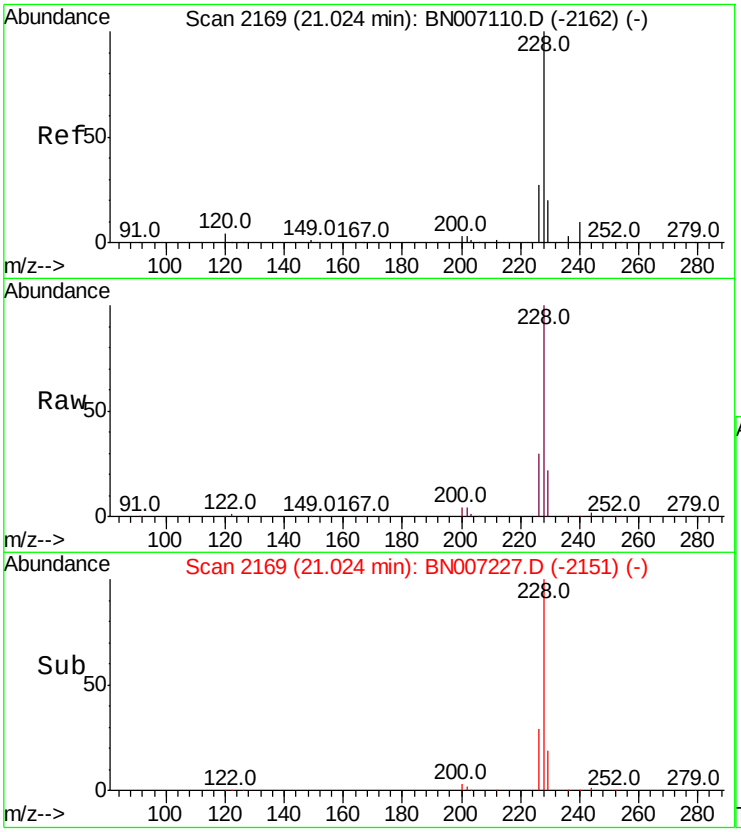


#28
Terphenyl-d14
Concen: 0.226 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:244 Resp: 24360

Ion	Ratio	Lower	Upper
244	100		
212	14.0	6.2	9.2#
122	15.0	7.4	11.2#

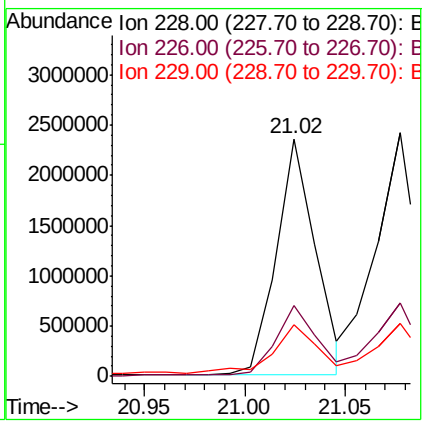




#29
Benzo(a)anthracene
Concen: 22.125 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:228 Resp: 3194018

Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.8	32.6
229	22.0	15.6	23.4



Instrument :
BNA_N
ClientSampleId :

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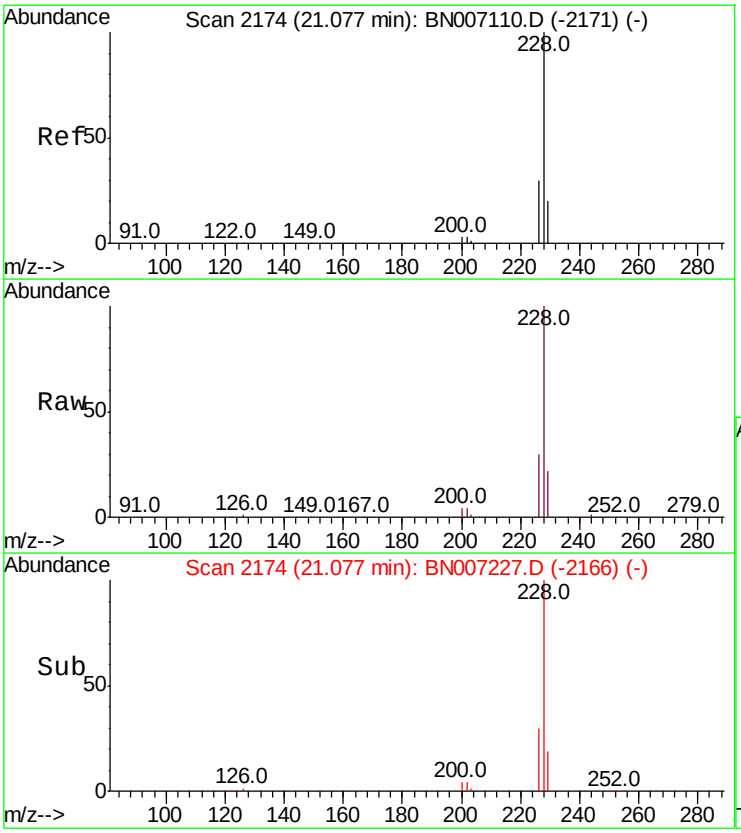
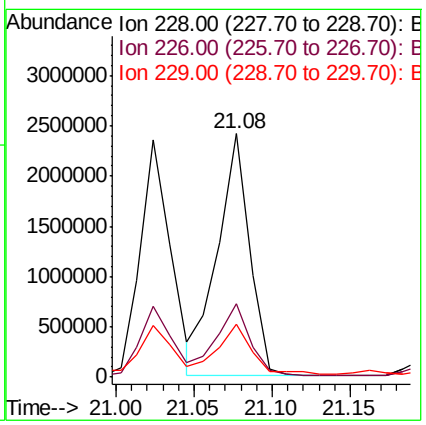
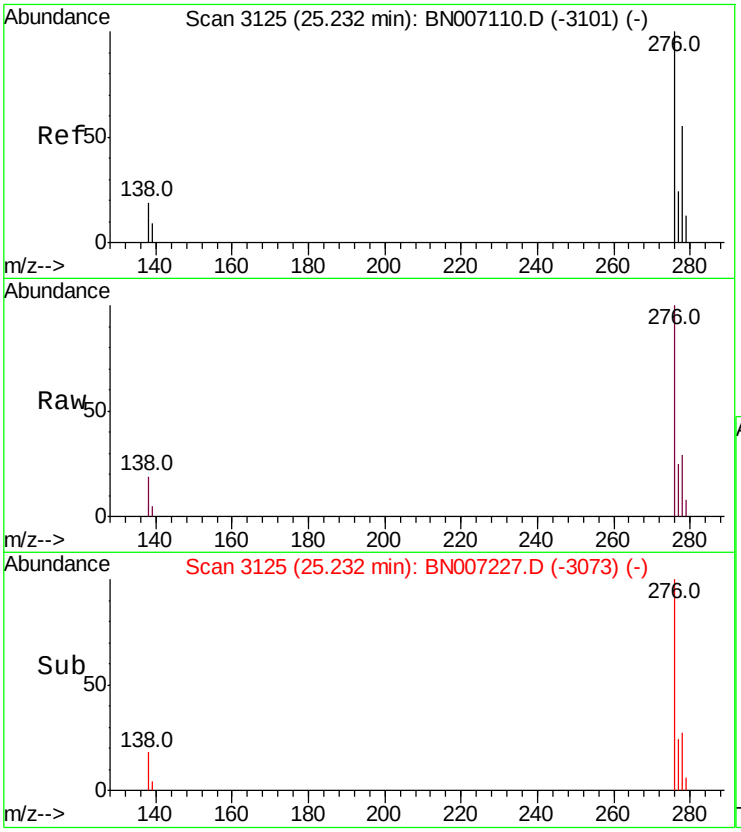


#30
Chrysene
Concen: 24.685 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:228 Resp: 3462253

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	21.7	15.7	23.5

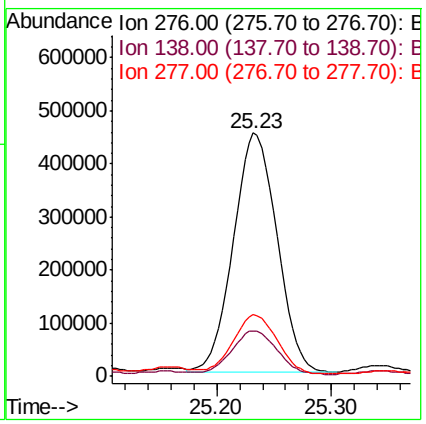




#31
Indeno(1,2,3-cd)pyrene
Concen: 7.638 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

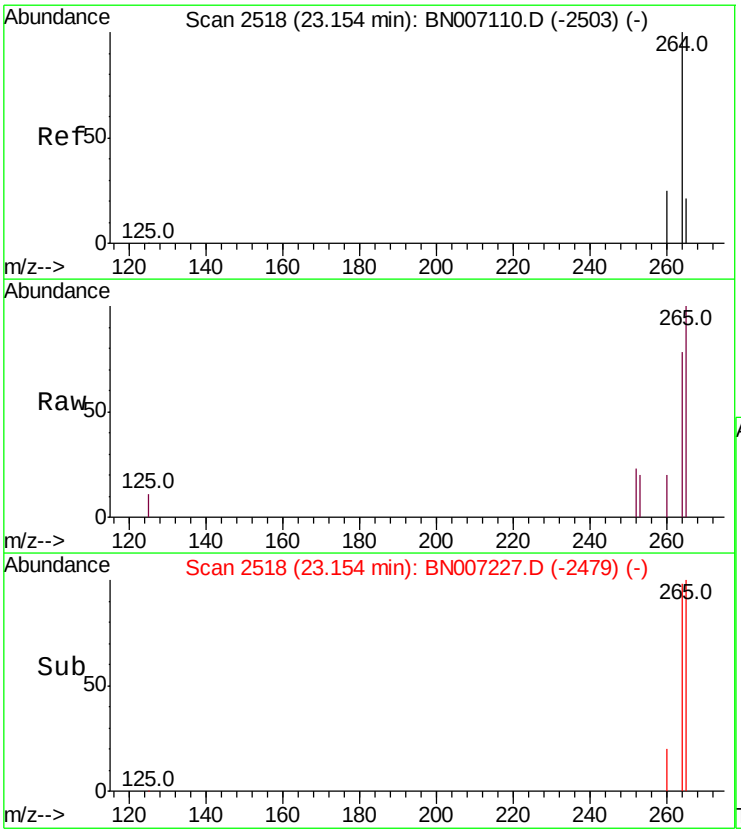
Tgt Ion:276 Resp: 1180801

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	25.2	19.9	29.9



Instrument :
BNA_N
ClientSampleId :

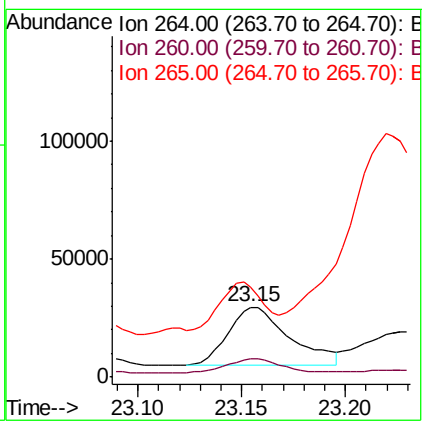
Manual Integrations APPROVED

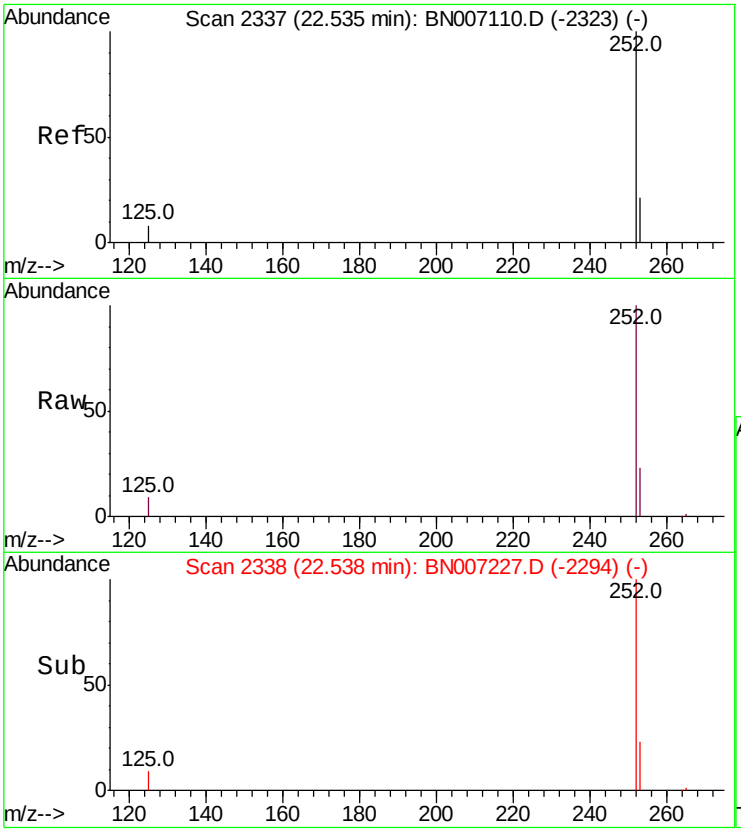


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:264 Resp: 50930

Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.8	29.8
265	128.0	26.2	39.4#

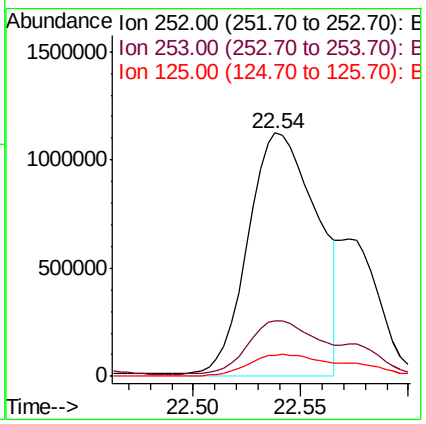




#33
Benzo(b)fluoranthene
Concen: 14.474 ng m
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:252 Resp: 2527711

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	8.8	7.4	11.0



Instrument :
BNA_N
ClientSampleId :

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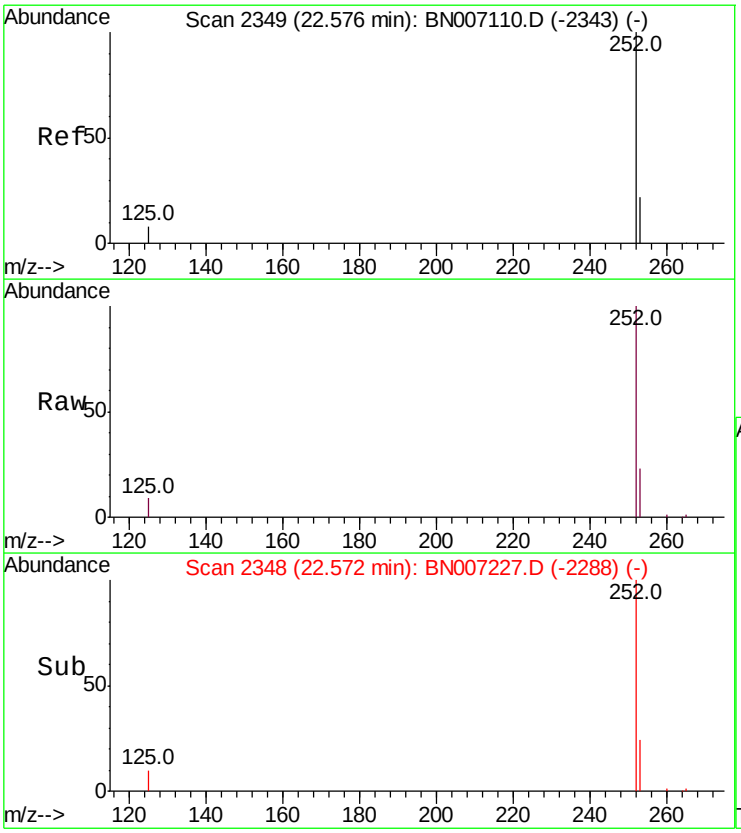
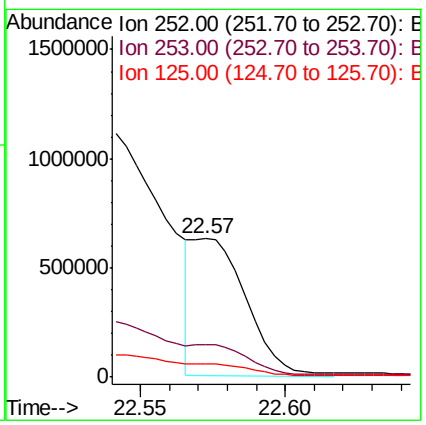
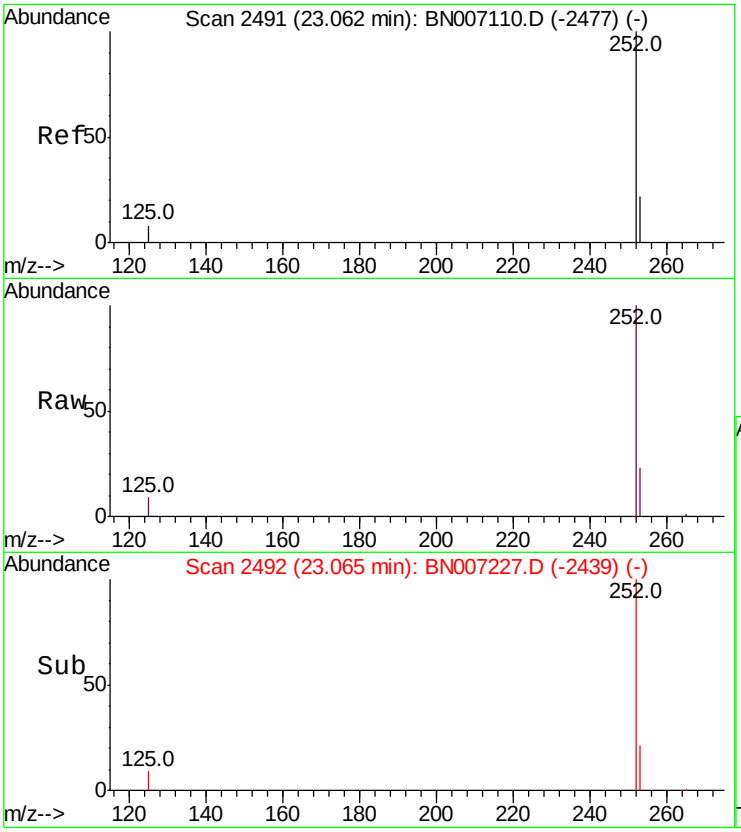


#34
Benzo(k)fluoranthene
Concen: 4.733 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:252 Resp: 816403

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	9.4	7.4	11.0





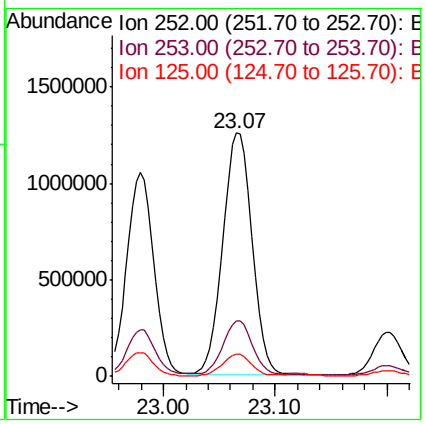
#35
Benzo(a)pyrene
Concen: 14.369 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

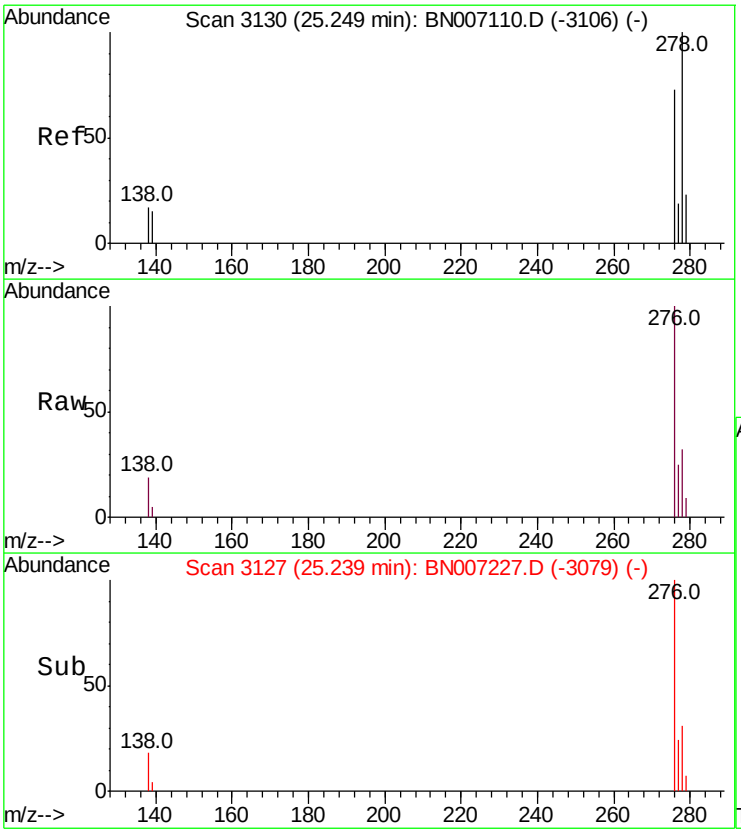
Tgt Ion:252 Resp: 2275007

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.0	8.2	12.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

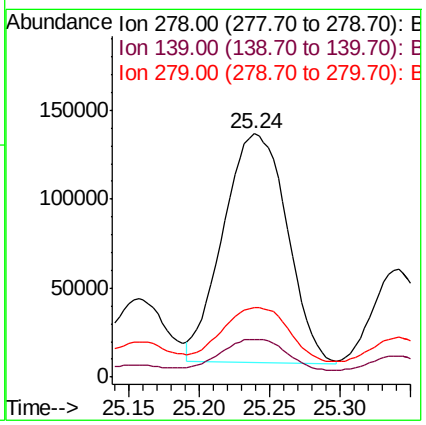


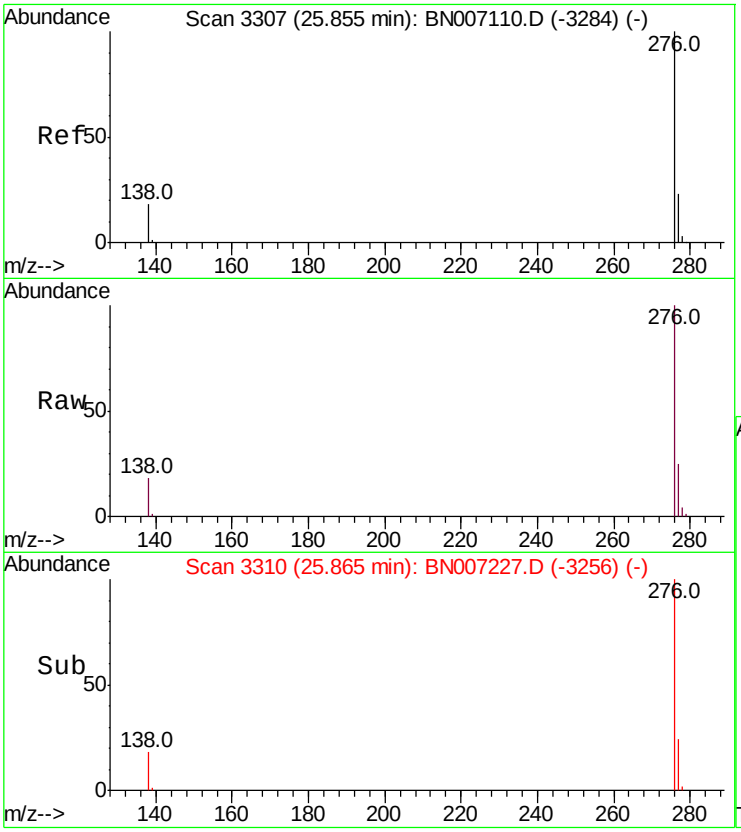


#36
Dibenzo(a,h)anthracene
Concen: 2.576 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:278 Resp: 407006

Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.3	16.9
279	28.6	19.3	28.9

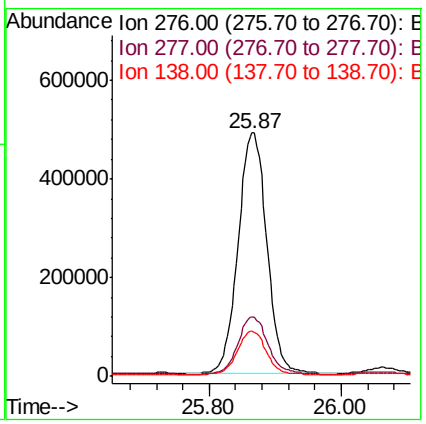




#37
Benzo(g,h,i)perylene
Concen: 9.025 ng
RT: 25.87 min Scan# 3310
Delta R.T. -0.01 min
Lab File: BN007227.D
Acq: 16 Aug 2019 17:36

Tgt Ion:276 Resp: 1466473

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	18.4	14.6	22.0



Instrument :
BNA_N
ClientSampleId :

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