Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007226.D
Acq On : 16 Aug 2019 17:00
Operator : HP/JU
Sample : K4240-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 17 01:47:43 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	8131	0.40	ng		-0.02
6) Naphthalene-d8	10.17	136	31243	0.40	ng		-0.01
12) Acenaphthene-d10	14.06	164	18323	0.40	ng		-0.01
18) Phenanthrene-d10	16.81	188	42962	0.40	ng		-0.01
26) Chrysene-d12	21.03	240	39102	0.40	ng		-0.02
32) Perylene-d12	23.15	264	43147	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	6424	0.33	ng		0.00
4) Phenol-d6	6.61	99	8922	0.37	ng		0.00
7) Nitrobenzene-d5	8.55	82	7908	0.31	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	14780	0.25	ng		-0.02
13) 2,4,6-Tribromophenol	15.57	330	2431	0.25	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	888	0.03	ng		0.00
24) Fluoranthene-d10	18.86	212	33449	0.22	ng		-0.01
28) Terphenyl-d14	19.48	244	25037	0.23	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	4587	0.052	ng		95
11) 2-Methylnaphthalene	11.85	142	4887	0.079	ng		95
15) Acenaphthylene	13.78	152	19149	0.200	ng		98
17) Fluorene	15.12	166	3179	0.035	ng	#	13
22) Phenanthrene	16.86	178	40959	0.318	ng		97
23) Anthracene	16.95	178	13578	0.115	ng		96
25) Fluoranthene	18.89	202	63357	0.385	ng		99
27) Pyrene	19.25	202	80927	0.590	ng		97
29) Benzo(a)anthracene	21.02	228	39451	0.276	ng	#	72
30) Chrysene	21.07	228	43119	0.310	ng	#	90
31) Indeno(1,2,3-cd)pyrene	25.22	276	31400	0.205	ng		99
33) Benzo(b)fluoranthene	22.53	252	56034	0.379	ng	#	91
34) Benzo(k)fluoranthene	22.57	252	15385m	0.105	ng		
35) Benzo(a)pyrene	23.06	252	34740	0.259	ng	#	90
36) Dibenzo(a,h)anthracene	25.24	278	8226	0.061	ng	#	49
37) Benzo(g,h,i)perylene	25.85	276	36172	0.263	ng	#	93

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

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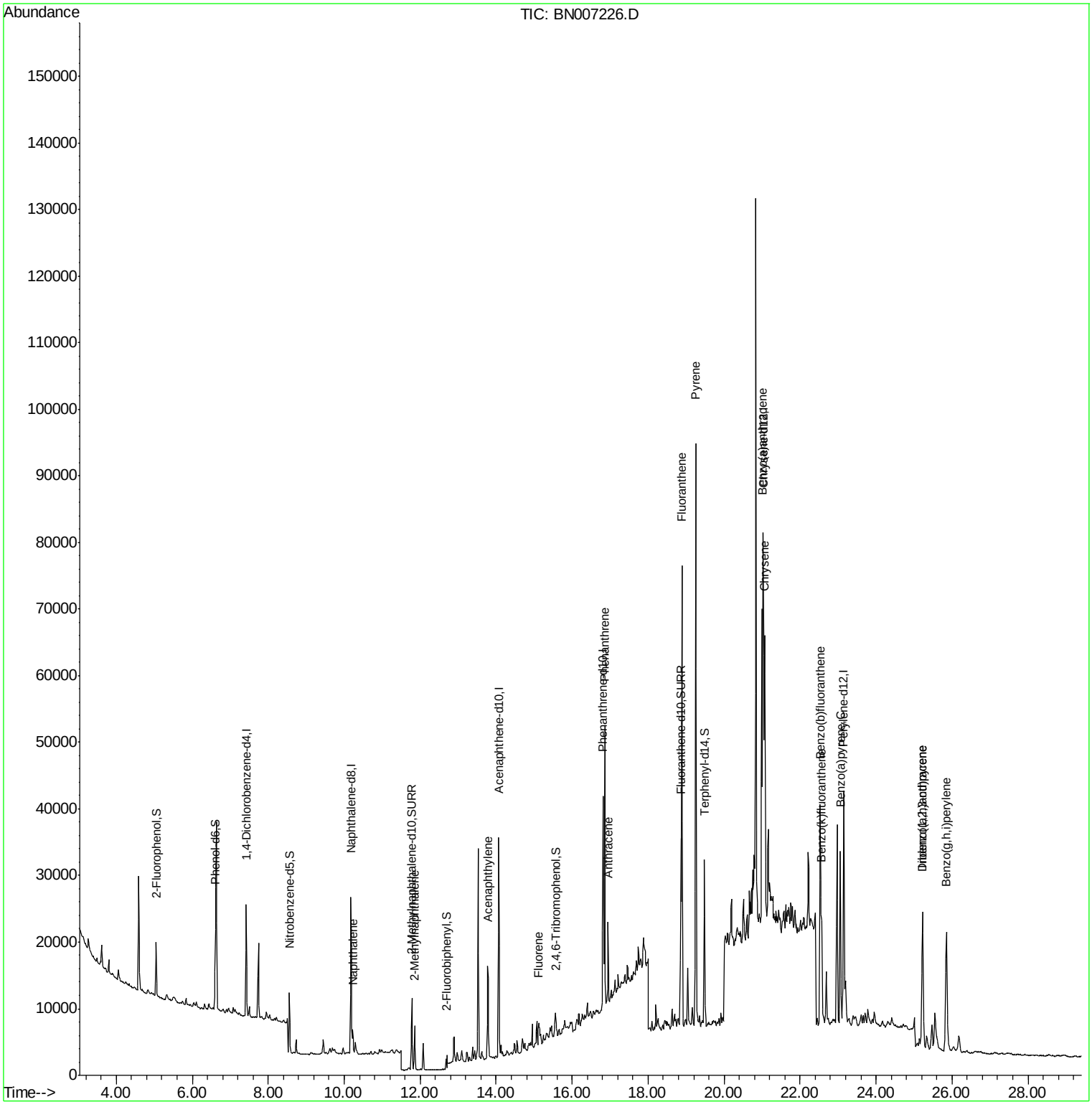
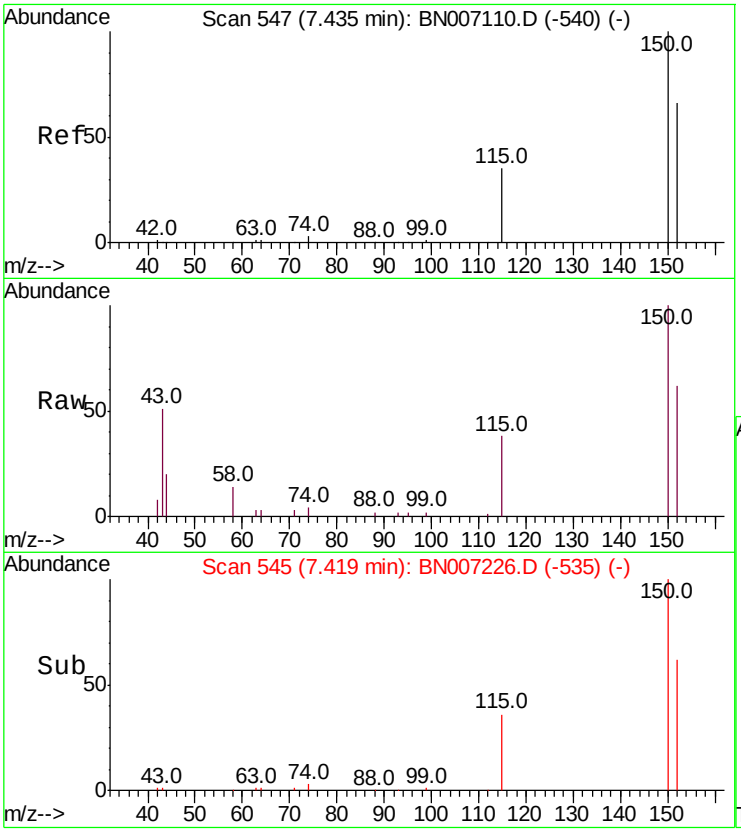
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

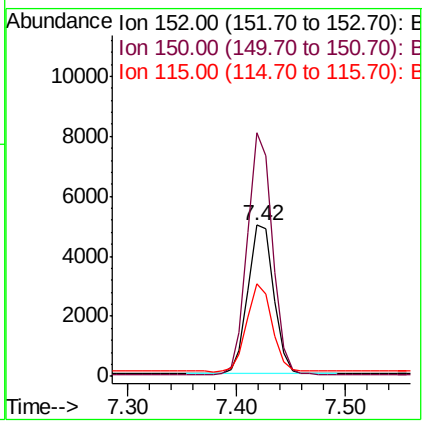




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

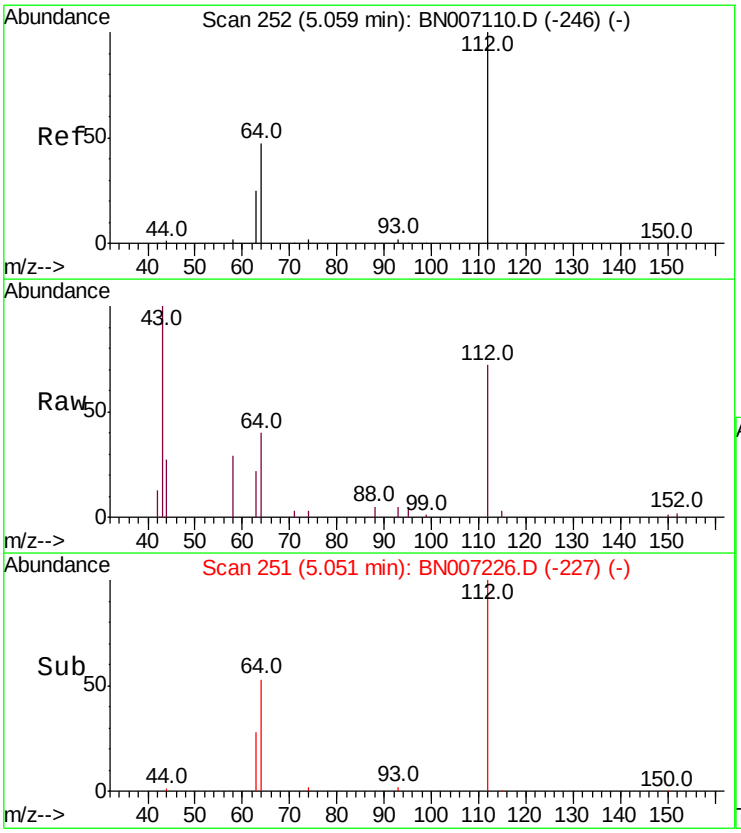
Tgt Ion:152 Resp: 8131

Ion	Ratio	Lower	Upper
152	100		
150	161.0	121.7	182.5
115	61.6	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

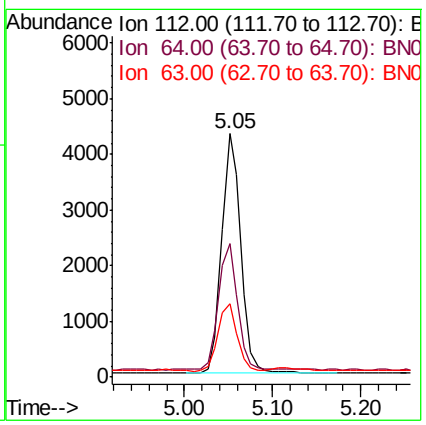
Manual Integrations APPROVED

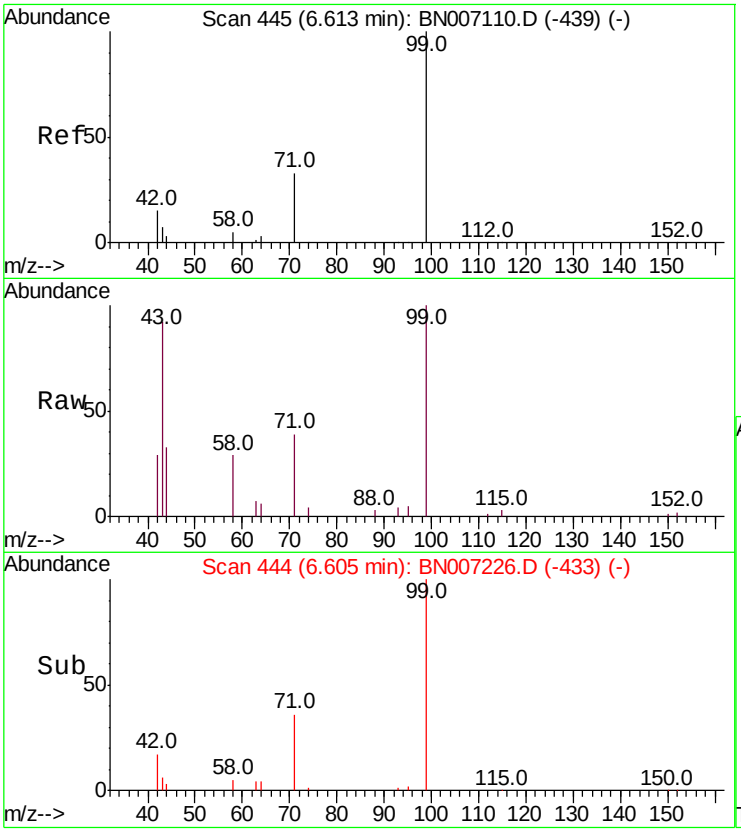


#3
2-Fluorophenol
Concen: 0.329 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:112 Resp: 6424

Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.6	63.8
63	28.1	22.2	33.2

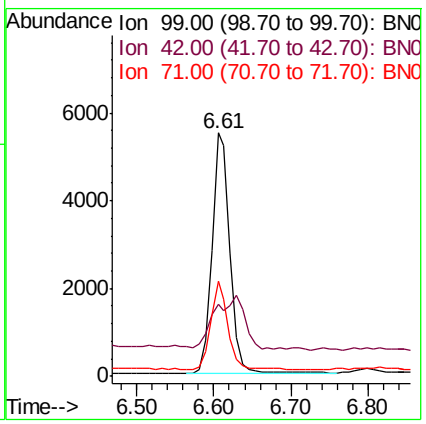




#4
Phenol-d6
Concen: 0.369 ng
RT: 6.61 min Scan# 444
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

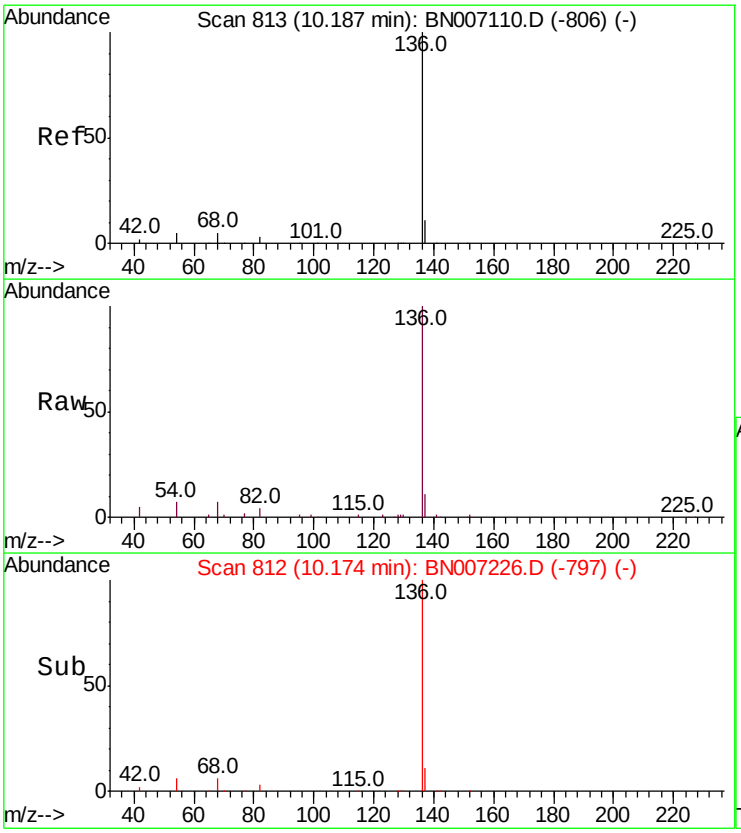
Tgt Ion: 99 Resp: 8922

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	34.7	27.0	40.4



Instrument :
BNA_N
ClientSampleId :

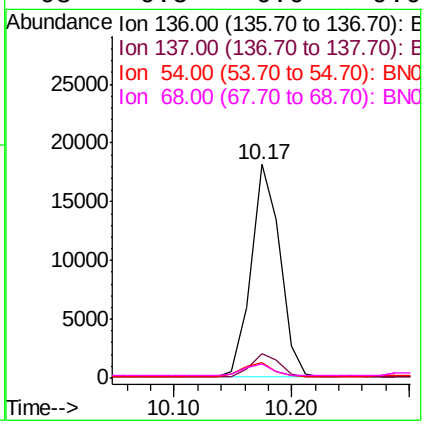
Manual Integrations APPROVED

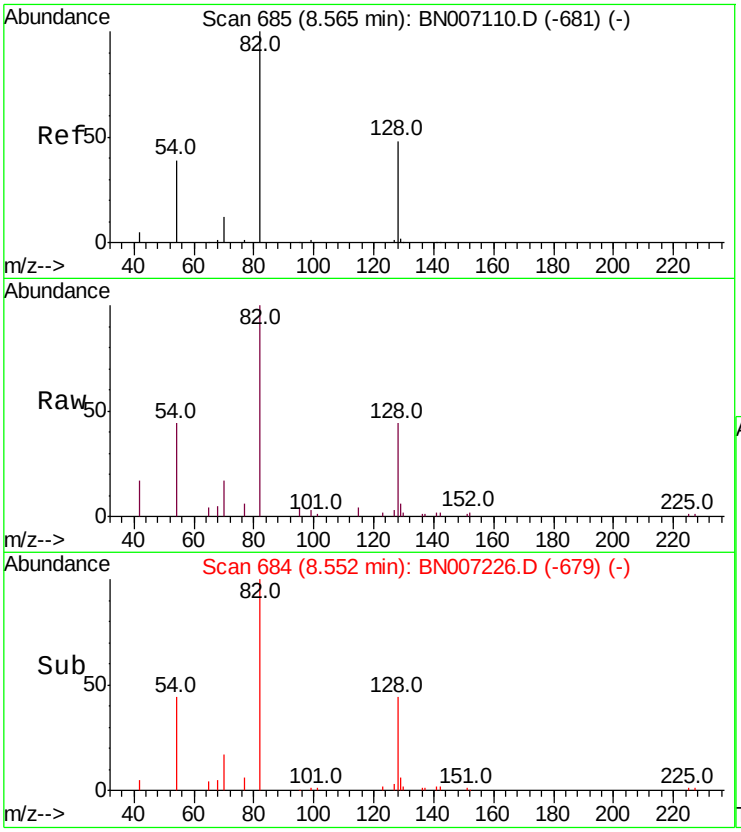


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:136 Resp: 31243

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	7.1	6.6	9.8
68	6.5	6.0	9.0

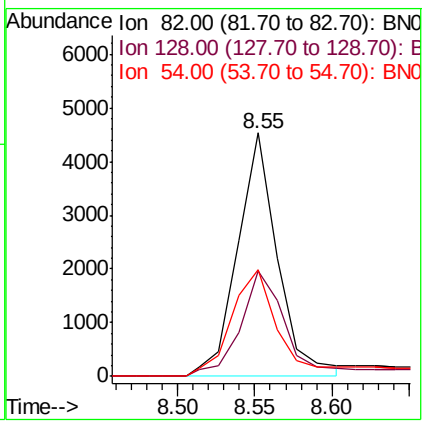




#7
Nitrobenzene-d5
Concen: 0.314 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

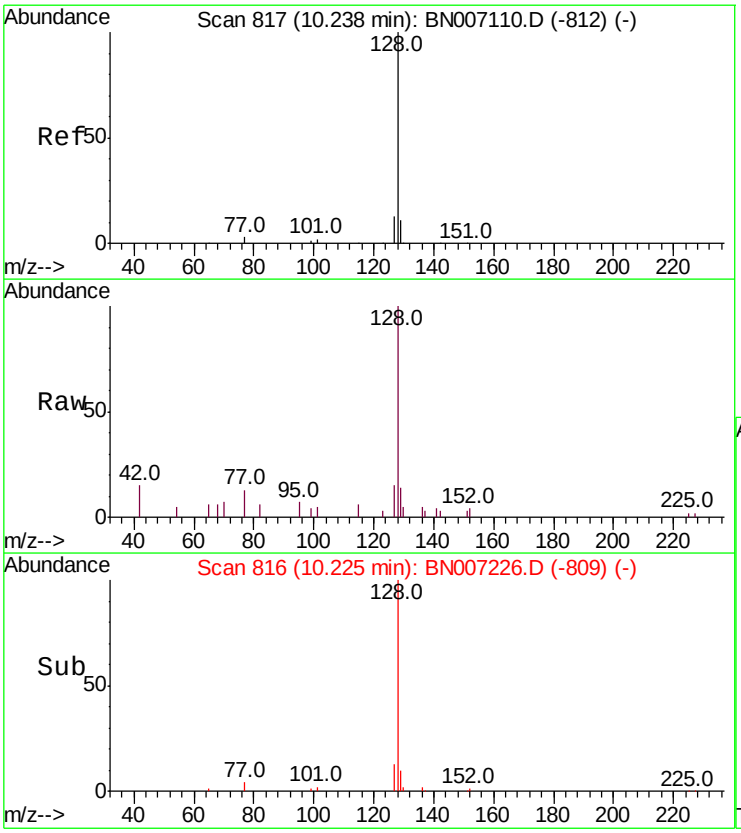
Tgt Ion: 82 Resp: 7908

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.6	51.8
54	43.9	36.2	54.4



Instrument :
BNA_N
ClientSampleId :

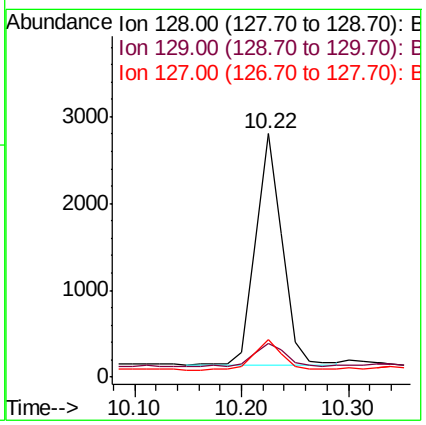
Manual Integrations APPROVED

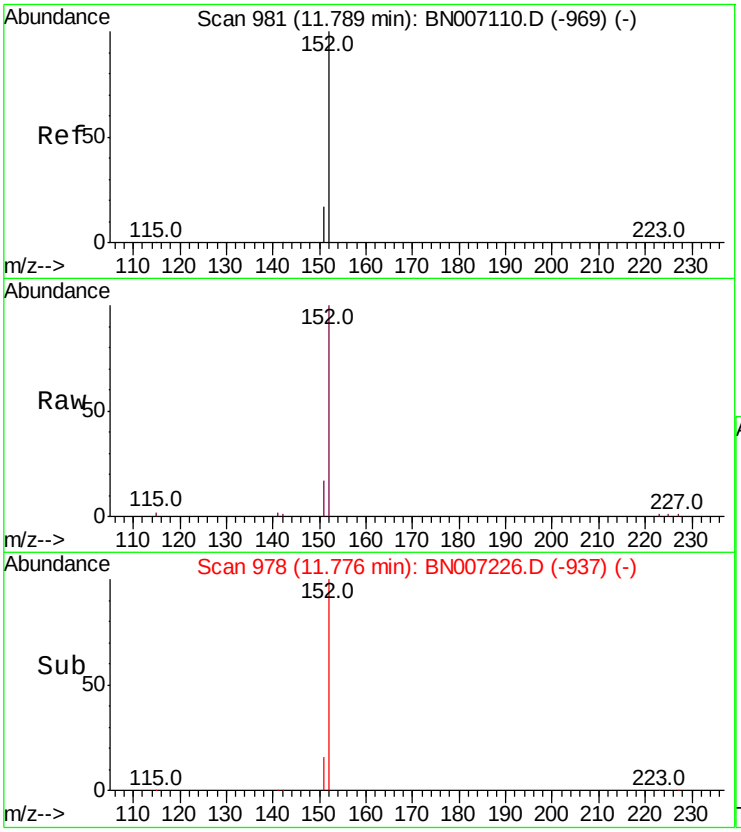


#8
Naphthalene
Concen: 0.052 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:128 Resp: 4587

Ion	Ratio	Lower	Upper
128	100		
129	14.1	9.4	14.2
127	15.3	11.0	16.6

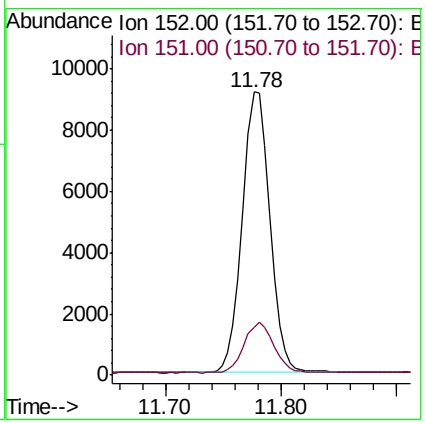




#10
2-Methylnaphthalene-d10
Concen: 0.254 ng
RT: 11.78 min Scan# 978
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

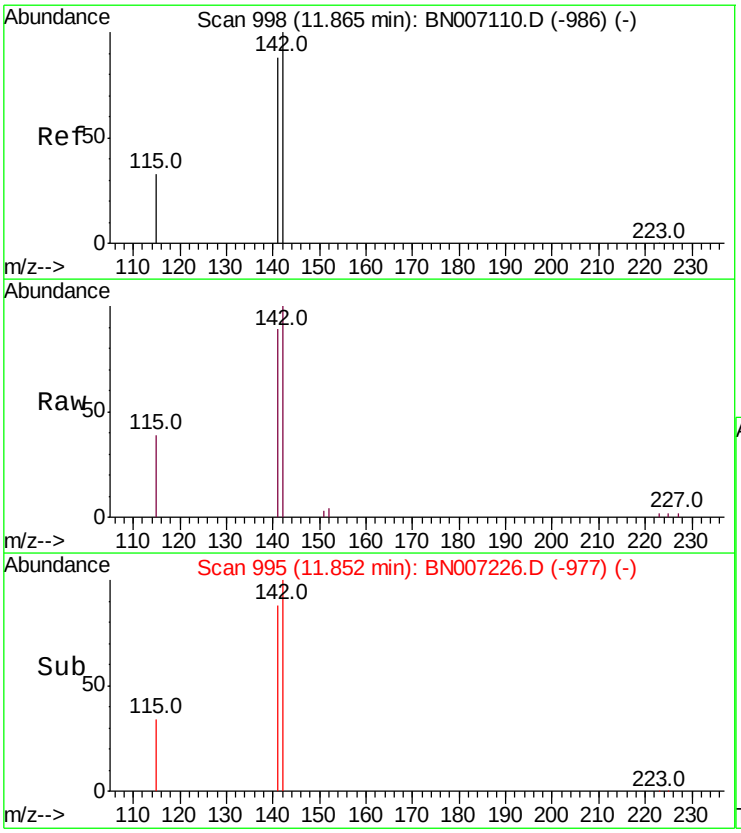
Tgt Ion:152 Resp: 14780

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3



Instrument :
BNA_N
ClientSampleId :

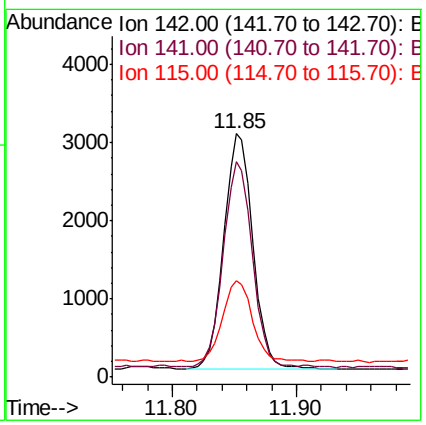
Manual Integrations APPROVED

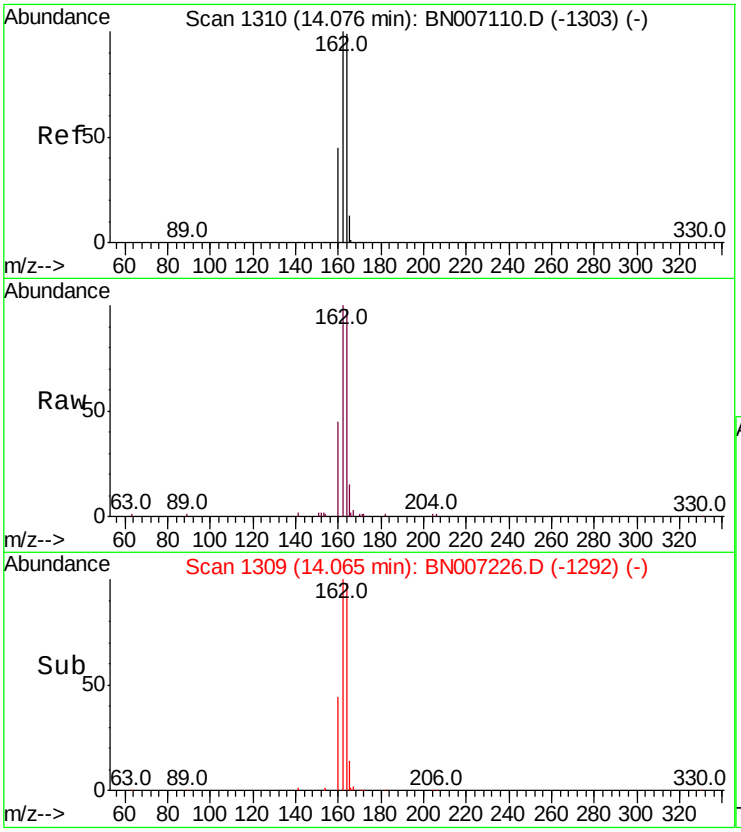


#11
2-Methylnaphthalene
Concen: 0.079 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:142 Resp: 4887

Ion	Ratio	Lower	Upper
142	100		
141	88.7	69.0	103.6
115	39.5	27.1	40.7

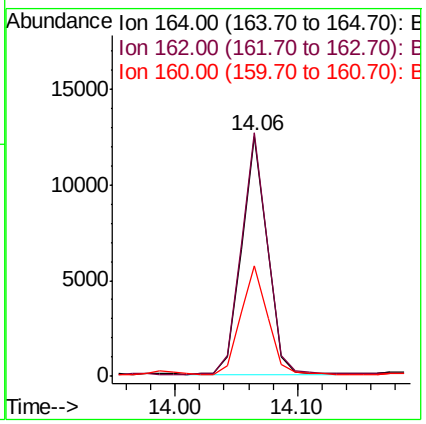




#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

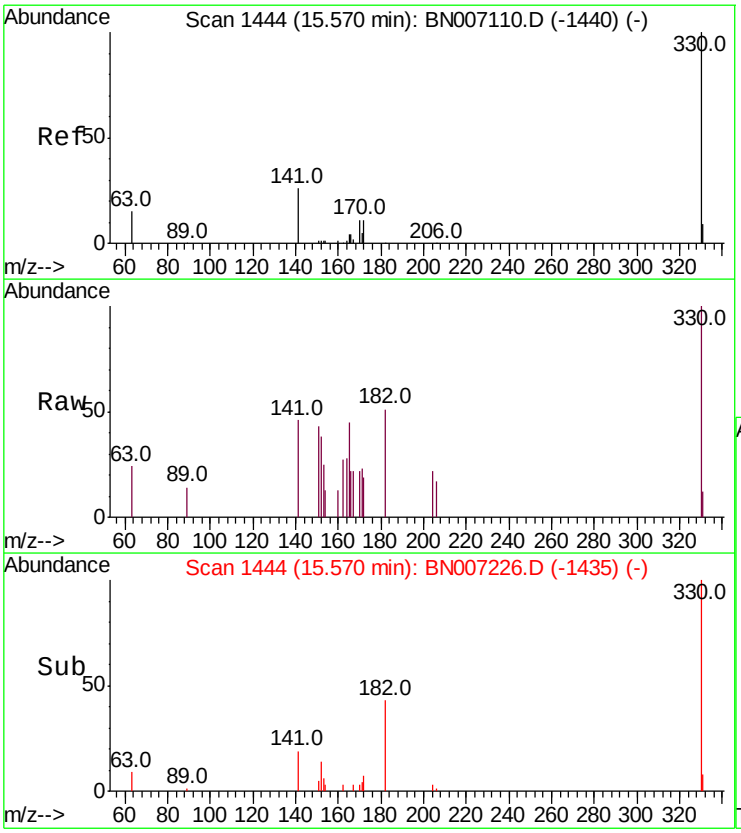
Tgt Ion:164 Resp: 18323

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.4
160	46.1	38.3	57.5



Instrument :
BNA_N
ClientSampleId :

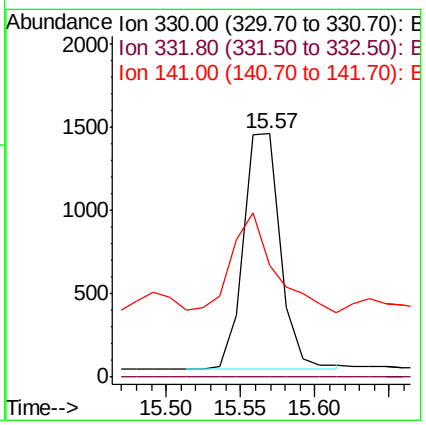
Manual Integrations APPROVED

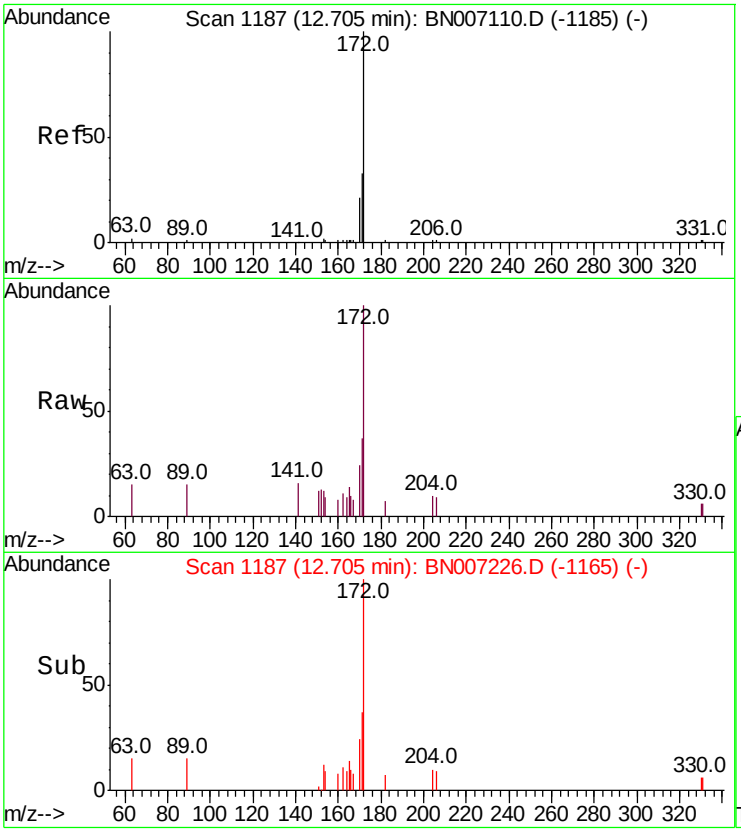


#13
2,4,6-Tribromophenol
Concen: 0.246 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:330 Resp: 2431

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.0	33.6	50.4

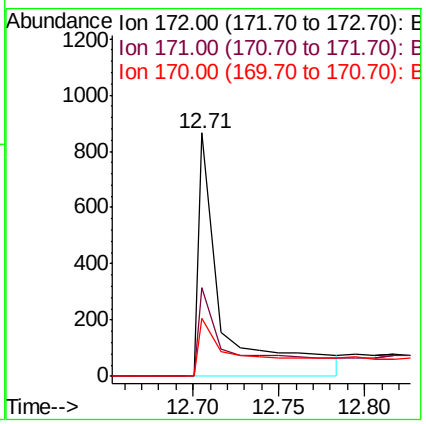




#14
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

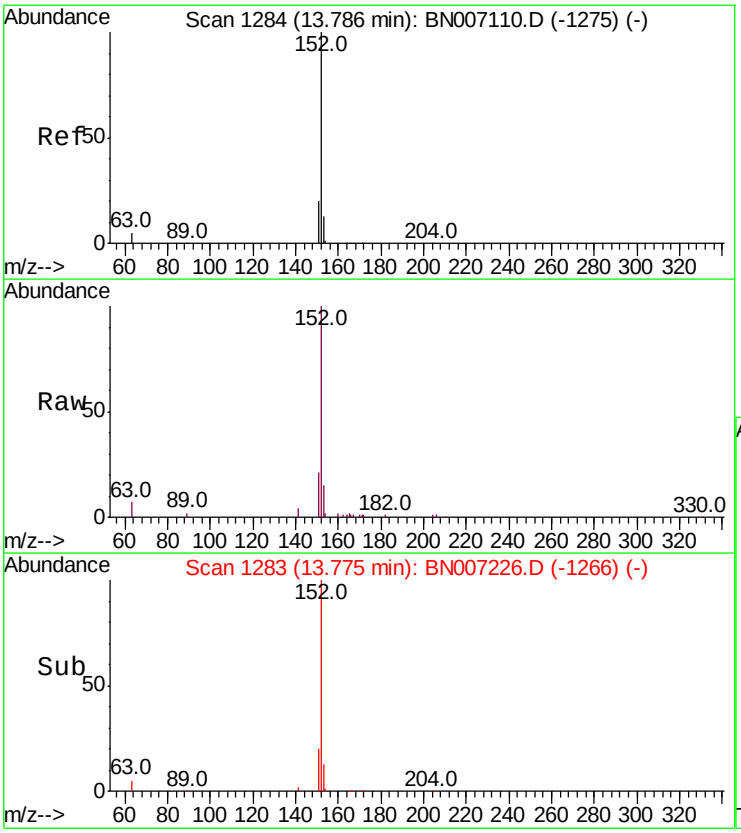
Tgt Ion:172 Resp: 888

Ion	Ratio	Lower	Upper
172	100		
171	36.6	26.3	39.5
170	23.6	17.0	25.4



Instrument :
BNA_N
ClientSampleId :

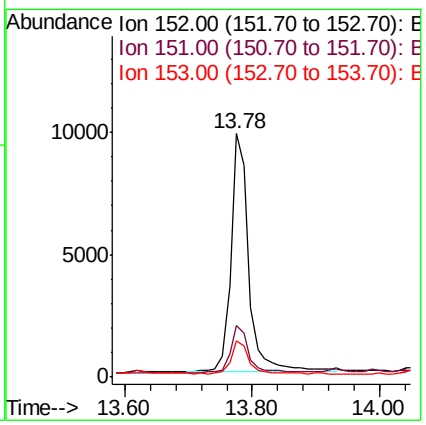
Manual Integrations APPROVED

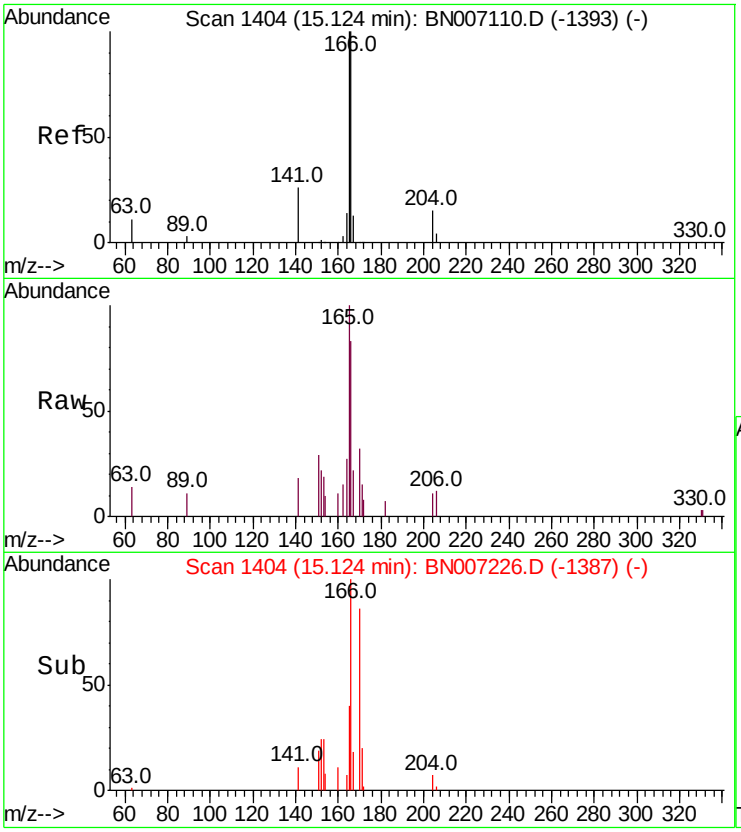


#15
Acenaphthylene
Concen: 0.200 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:152 Resp: 19149

Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.6
153	13.0	10.4	15.6

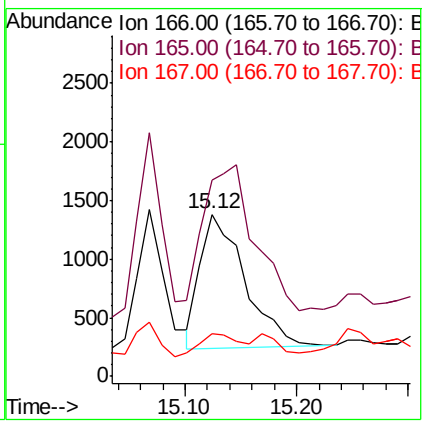




#17
Fluorene
Concen: 0.035 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

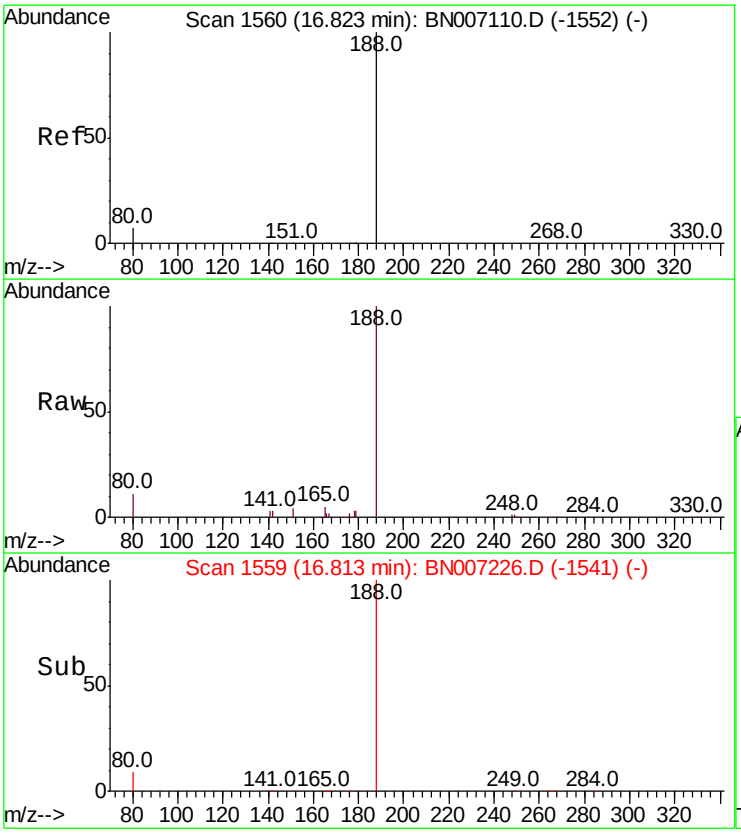
Tgt Ion:166 Resp: 3179

Ion	Ratio	Lower	Upper
166	100		
165	0.0	77.9	116.9#
167	15.9	10.9	16.3



Instrument :
BNA_N
ClientSampleId :

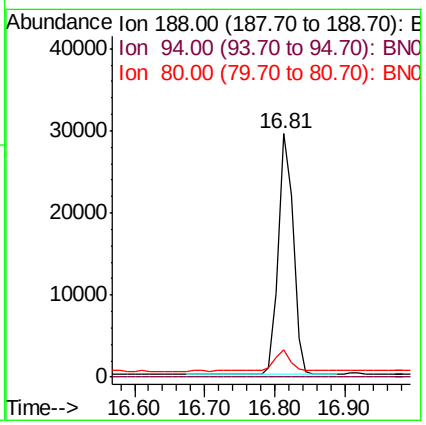
Manual Integrations APPROVED

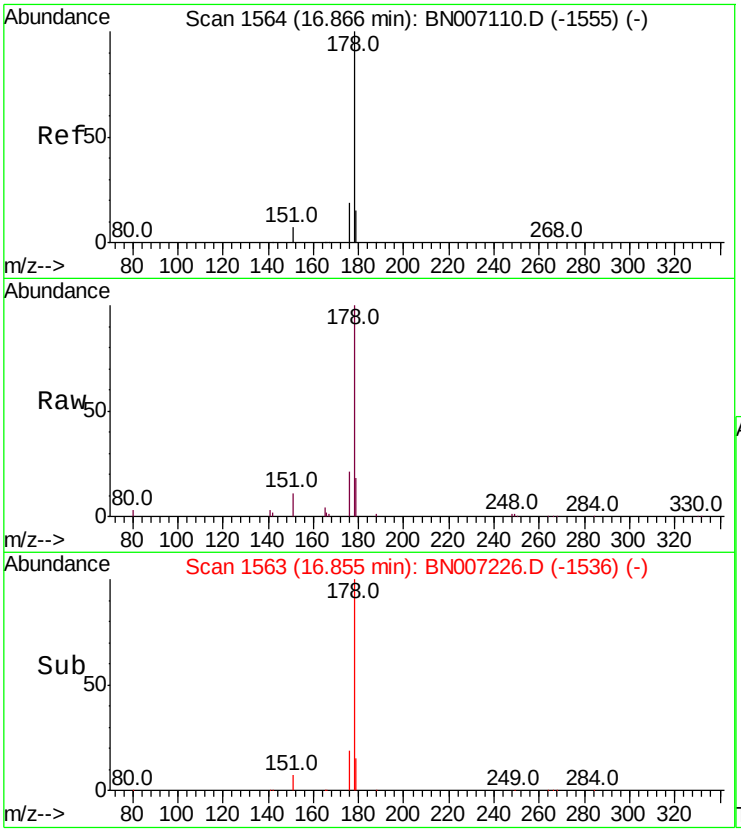


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:188 Resp: 42962

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	7.8	11.6

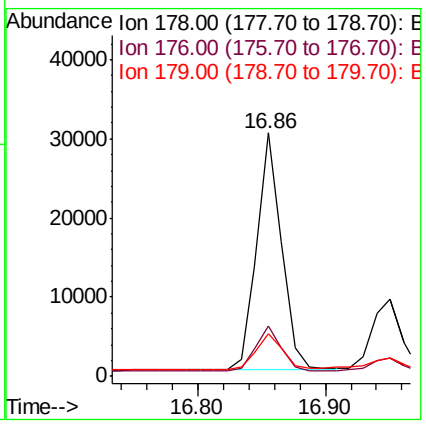




#22
Phenanthrene
Concen: 0.318 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

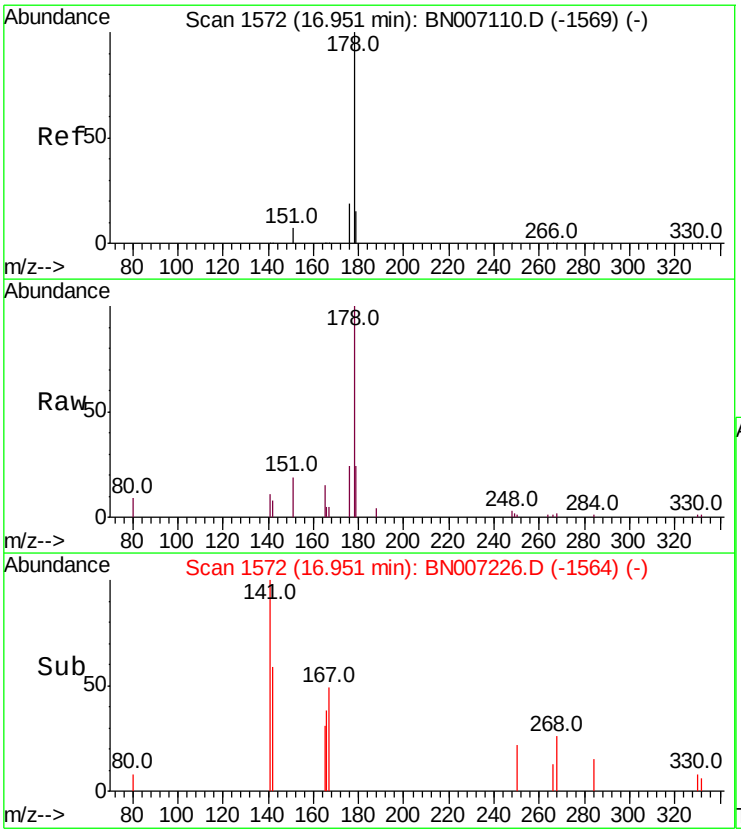
Tgt Ion:178 Resp: 40959

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	17.6	12.3	18.5



Instrument :
BNA_N
ClientSampleId :

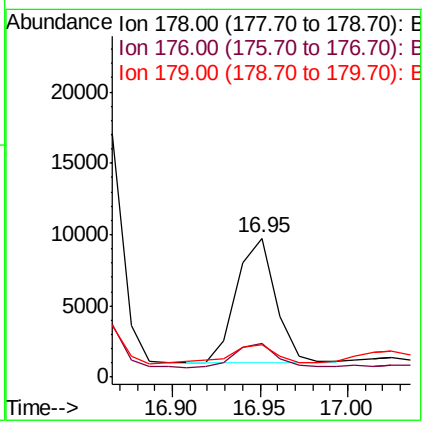
Manual Integrations APPROVED

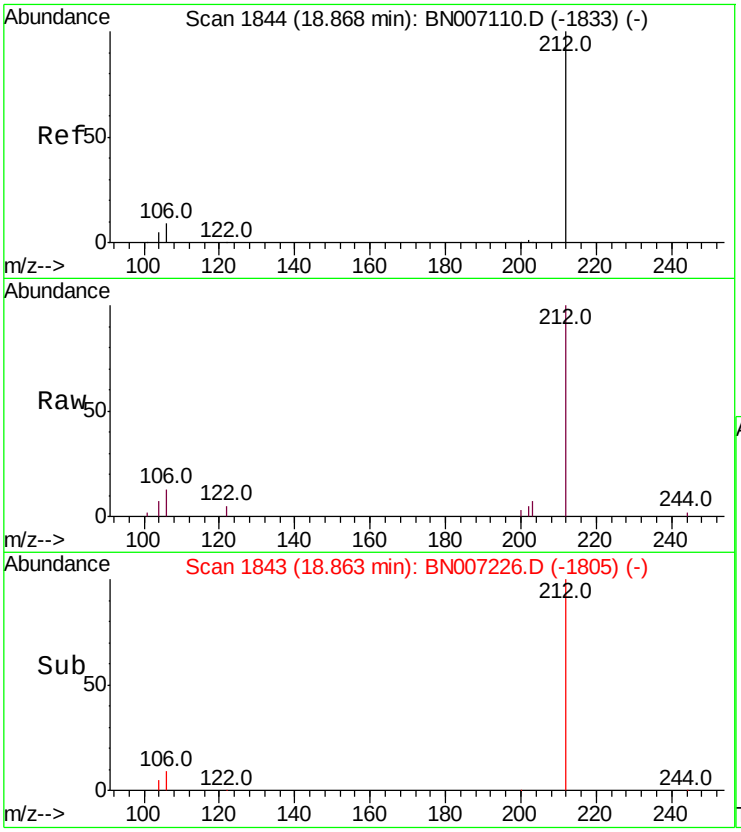


#23
Anthracene
Concen: 0.115 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:178 Resp: 13578

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.6	21.8
179	16.9	12.5	18.7

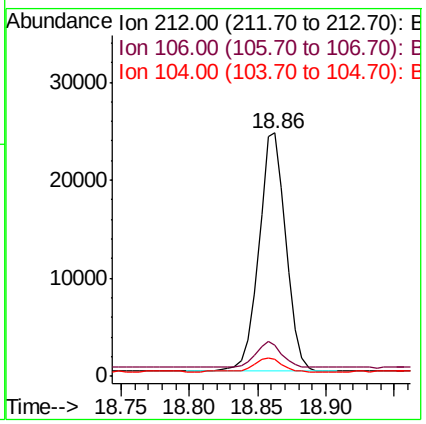




#24
Fluoranthene-d10
Concen: 0.220 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

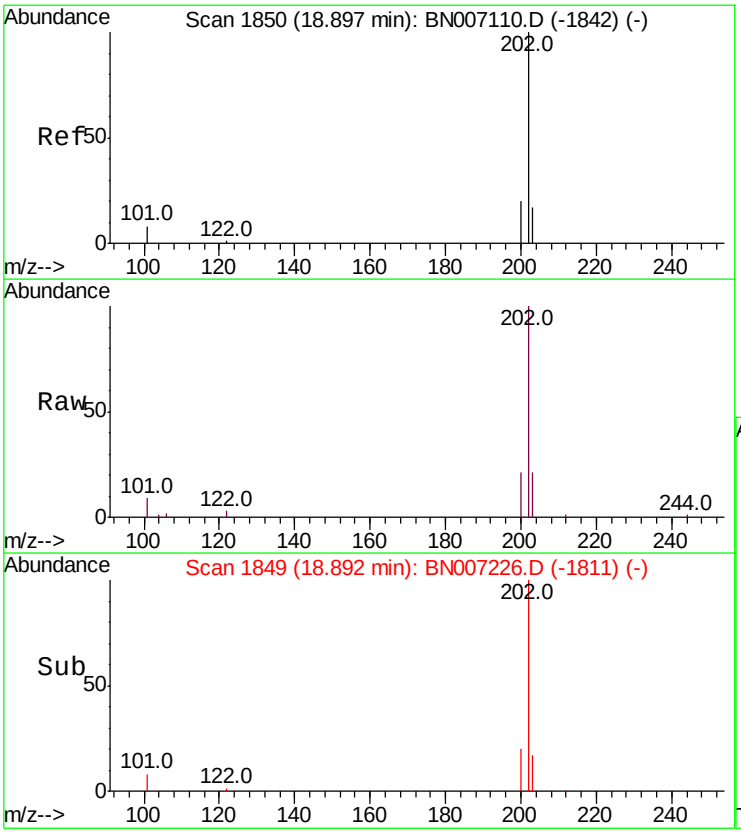
Tgt Ion:212 Resp: 33449

Ion	Ratio	Lower	Upper
212	100		
106	10.7	8.2	12.2
104	6.0	4.5	6.7



Instrument :
BNA_N
ClientSampleId :

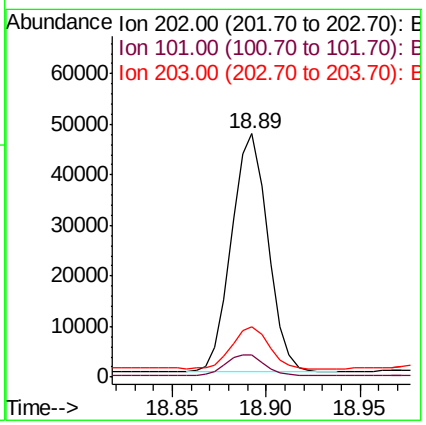
Manual Integrations APPROVED

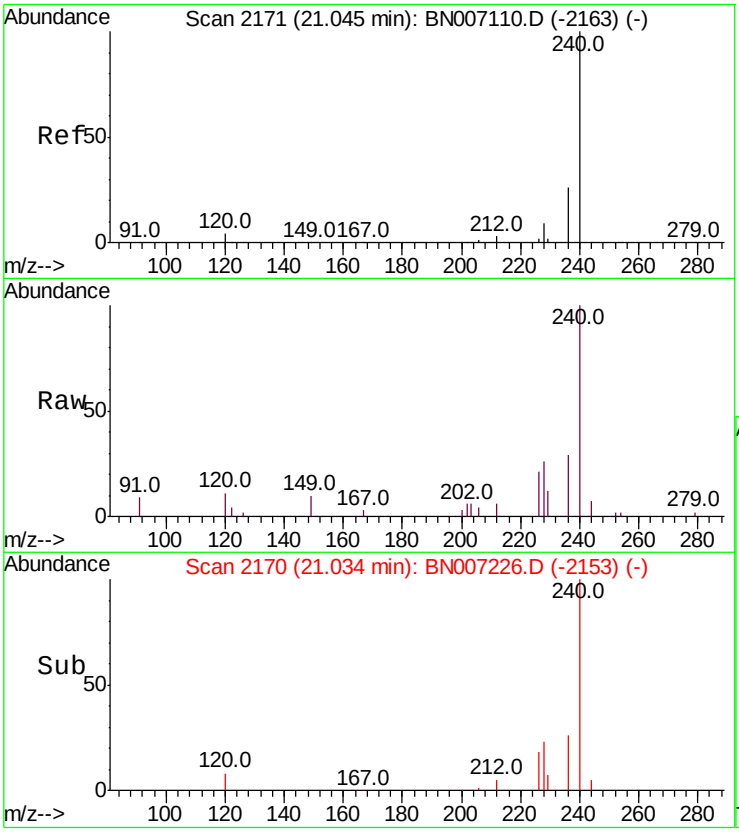


#25
Fluoranthene
Concen: 0.385 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:202 Resp: 63357

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
203	17.8	13.8	20.8

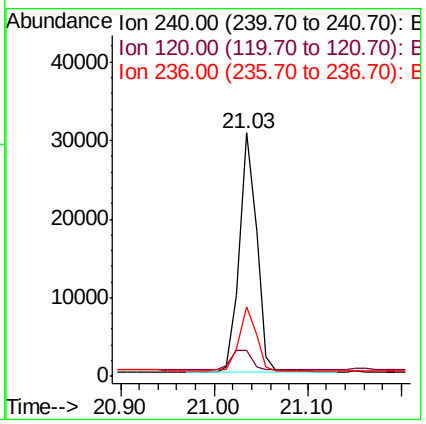




#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

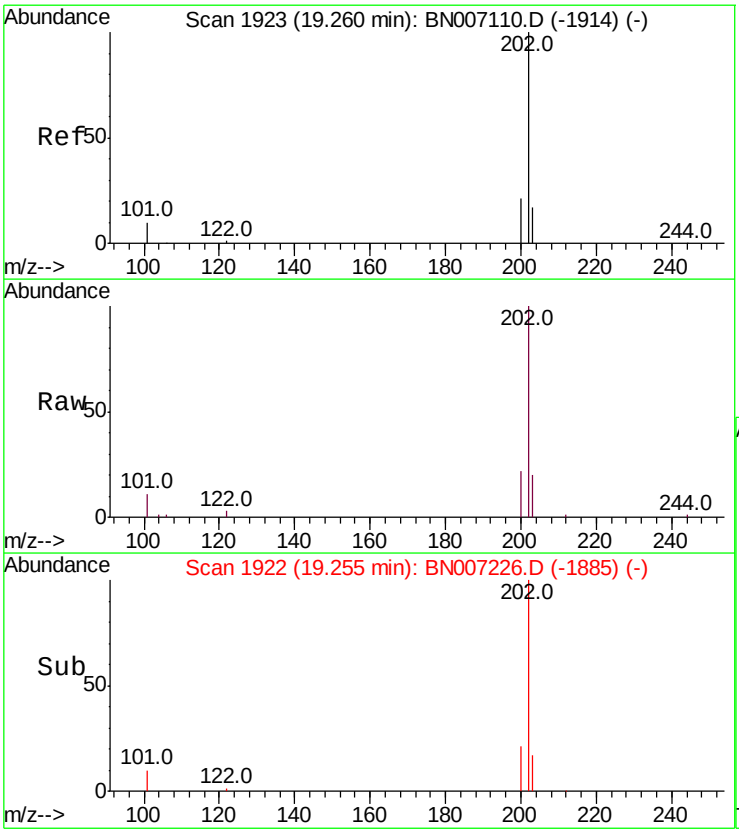
Tgt Ion:240 Resp: 39102

Ion	Ratio	Lower	Upper
240	100		
120	10.6	4.0	6.0#
236	28.7	21.3	31.9



Instrument :
BNA_N
ClientSampleId :

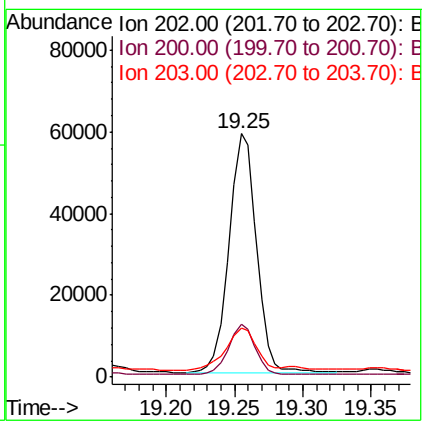
Manual Integrations APPROVED

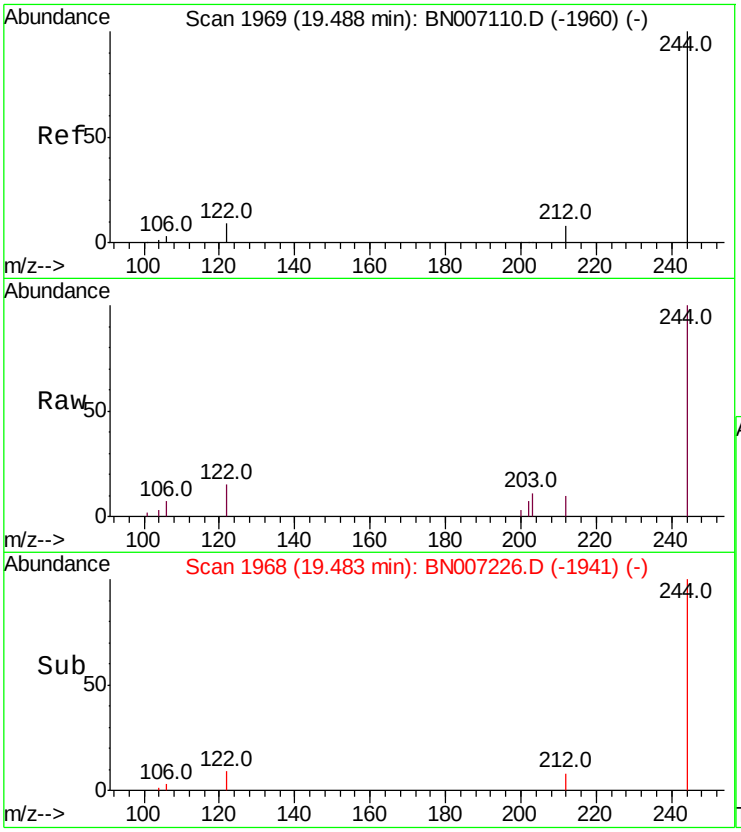


#27
Pyrene
Concen: 0.590 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:202 Resp: 80927

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.2	14.0	21.0





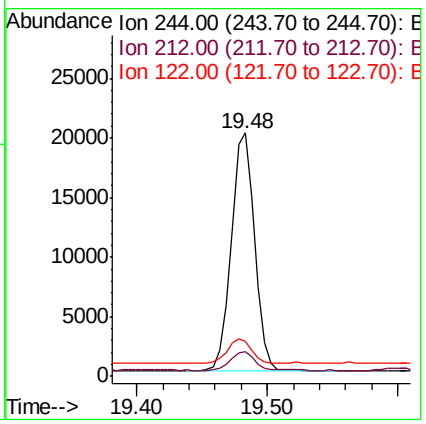
#28
Terphenyl-d14
Concen: 0.235 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

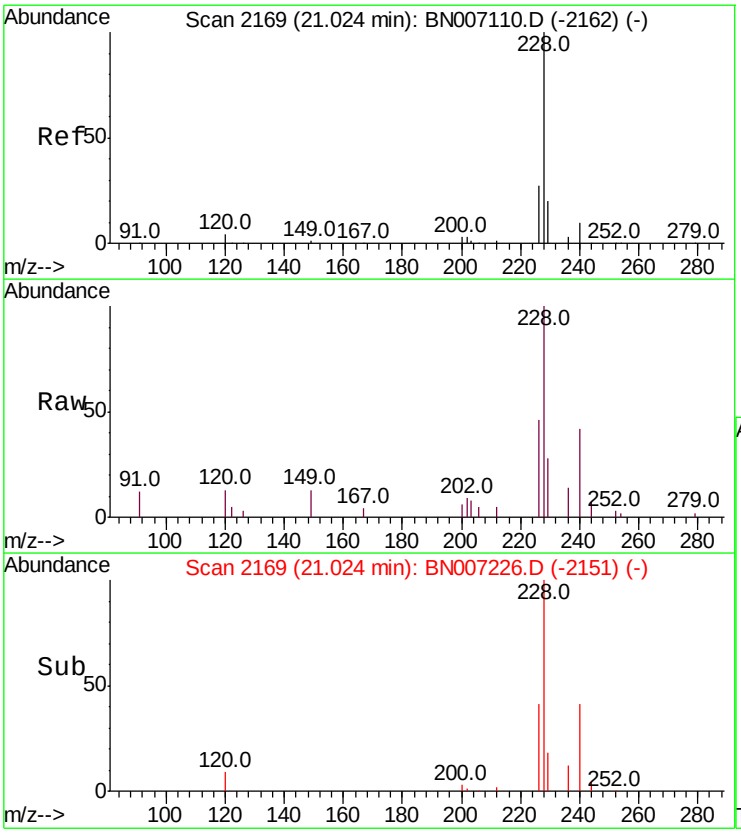
Tgt Ion:244 Resp: 25037

Ion	Ratio	Lower	Upper
244	100		
212	10.1	6.2	9.2#
122	14.6	7.4	11.2#

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

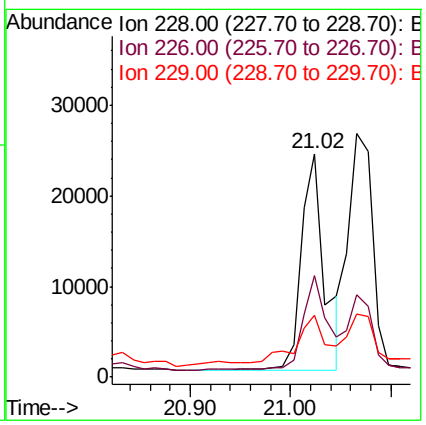


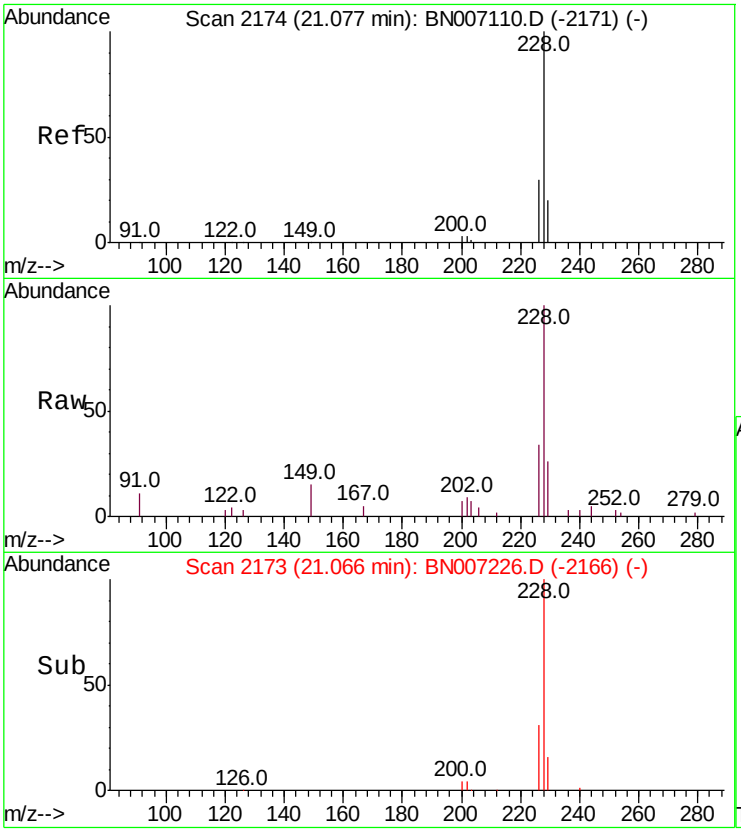


#29
Benzo(a)anthracene
Concen: 0.276 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:228 Resp: 39451

Ion	Ratio	Lower	Upper
228	100		
226	45.6	21.8	32.6#
229	27.7	15.6	23.4#

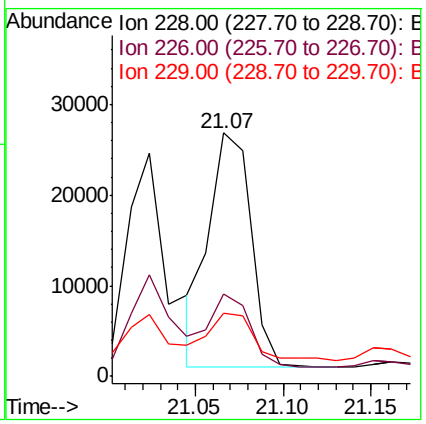




#30
Chrysene
Concen: 0.310 ng
RT: 21.07 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

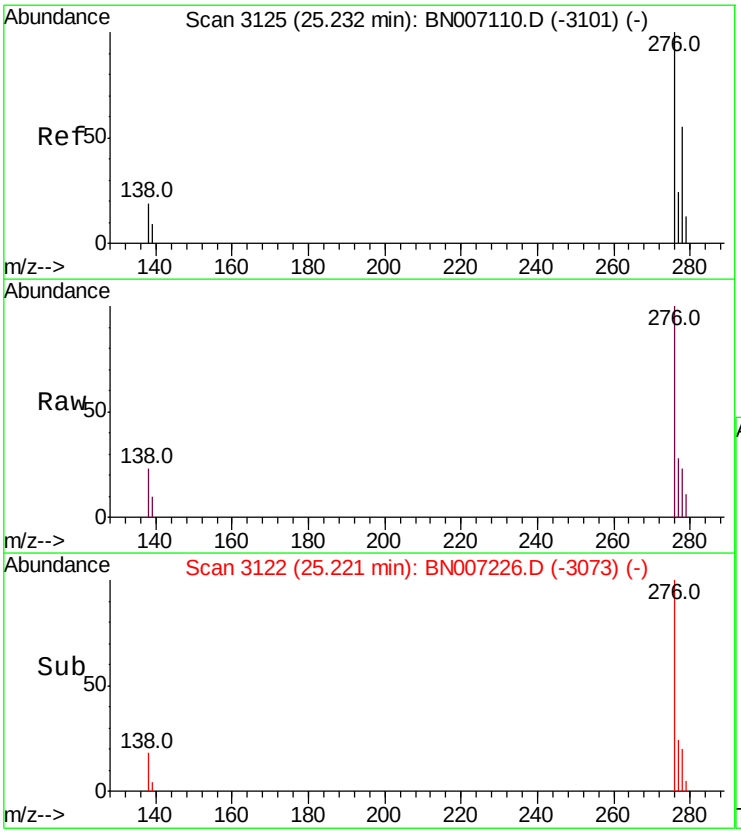
Tgt Ion:228 Resp: 43119

Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.8	35.6
229	26.1	15.7	23.5#



Instrument :
BNA_N
ClientSampleId :

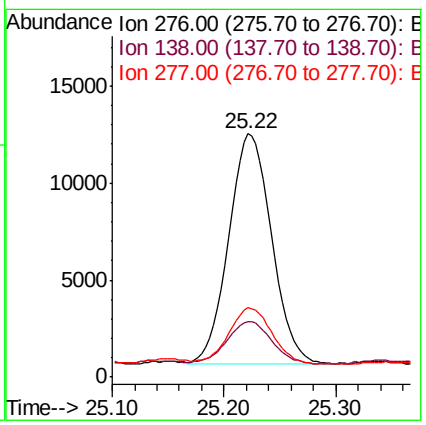
Manual Integrations APPROVED

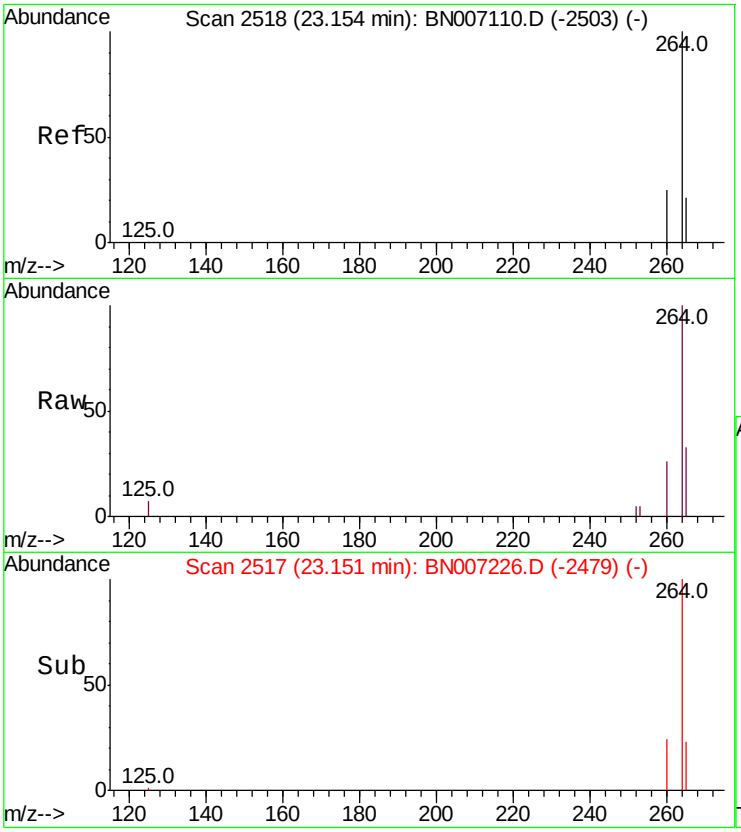


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.205 ng
RT: 25.22 min Scan# 3122
Delta R.T. -0.03 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:276 Resp: 31400

Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.0	24.0
277	25.1	19.9	29.9





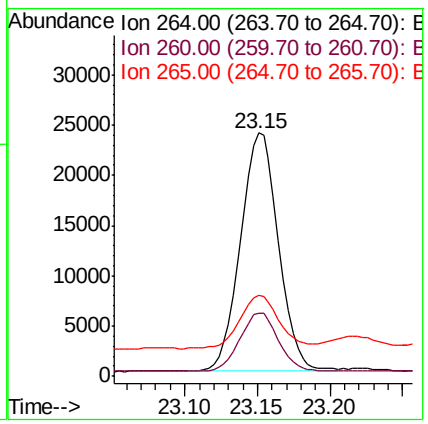
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

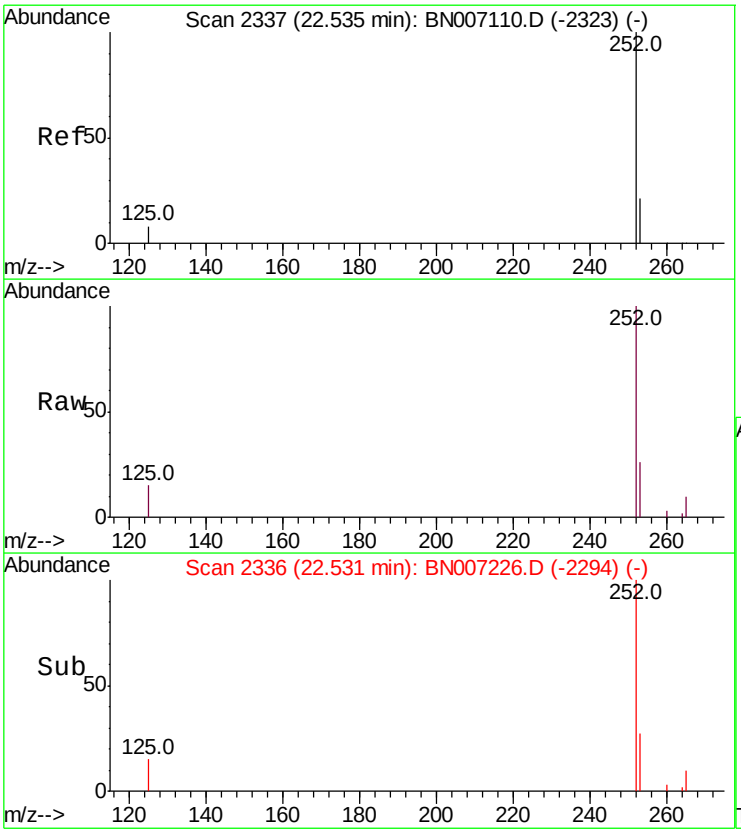
Tgt Ion:264 Resp: 43147

Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.8	29.8
265	33.5	26.2	39.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

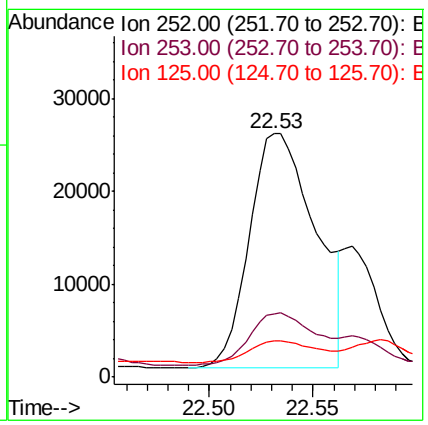


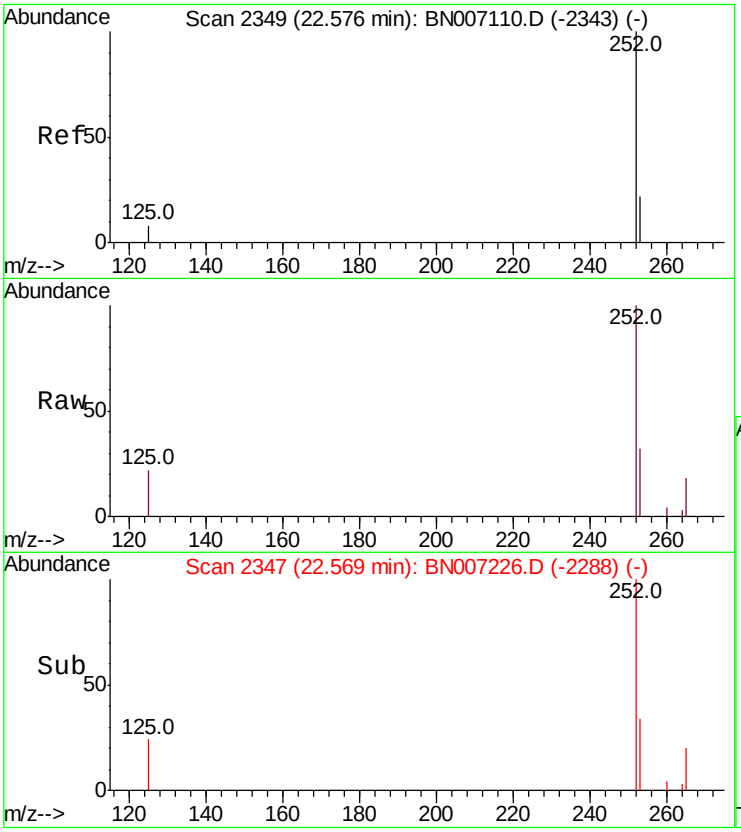


#33
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:252 Resp: 56034

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.2
125	14.8	7.4	11.0#





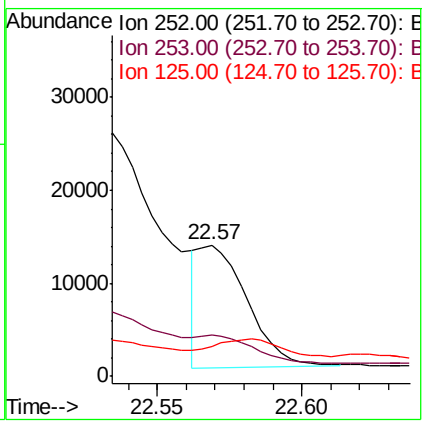
#34
Benzo(k)fluoranthene
Concen: 0.105 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

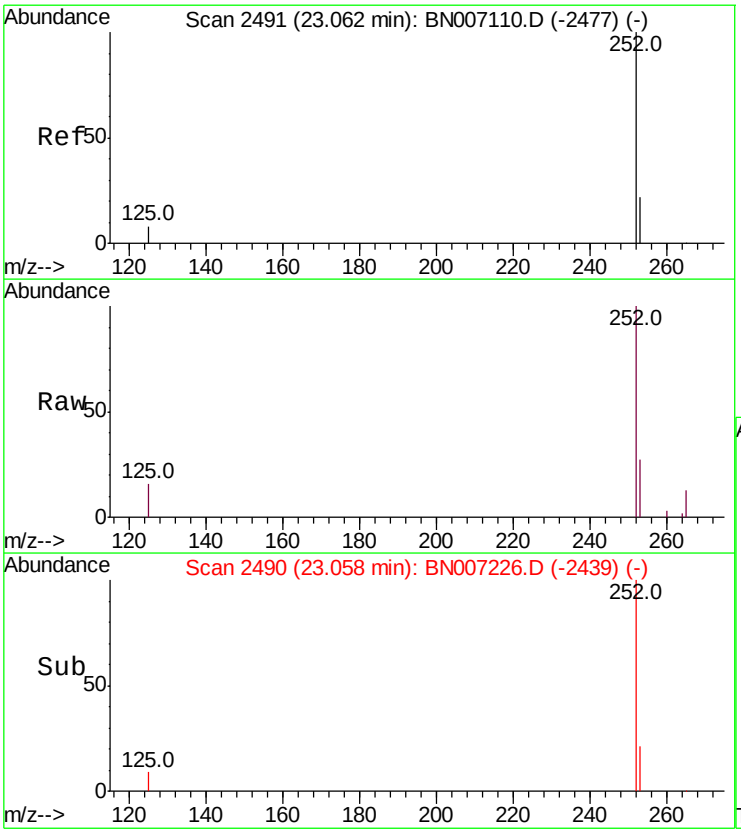
Tgt Ion:252 Resp: 15385

Ion	Ratio	Lower	Upper
252	100		
253	31.7	18.1	27.1#
125	22.5	7.4	11.0#

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

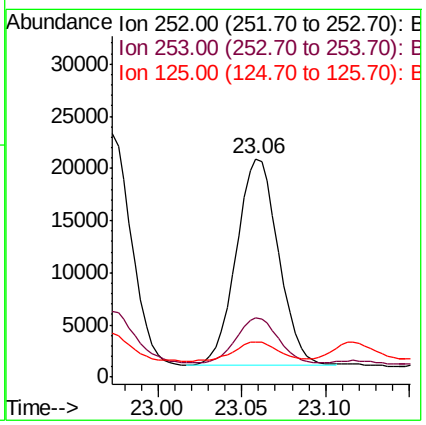


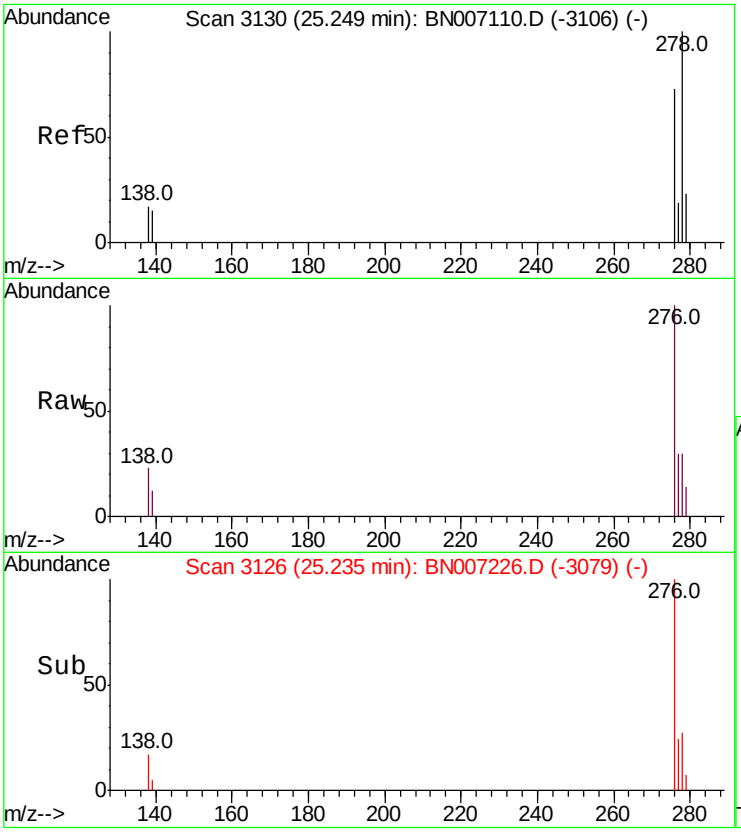


#35
Benzo(a)pyrene
Concen: 0.259 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:252 Resp: 34740

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.5	27.7
125	15.9	8.2	12.4#

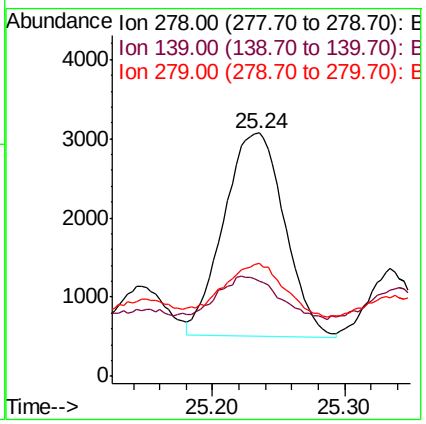




#36
Dibenzo(a,h)anthracene
Concen: 0.061 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

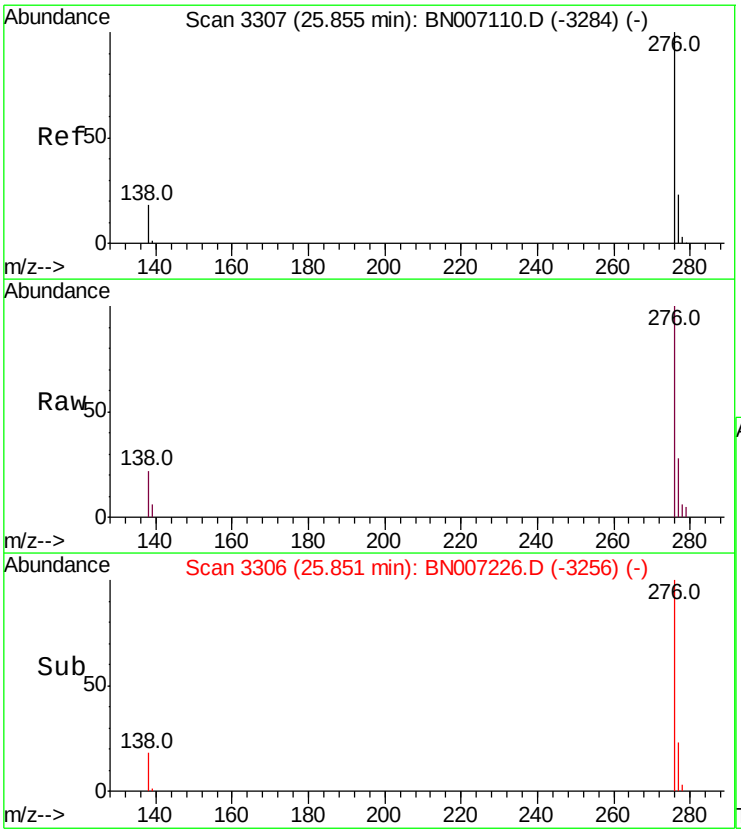
Tgt Ion:278 Resp: 8226

Ion	Ratio	Lower	Upper
278	100		
139	39.0	11.3	16.9#
279	46.5	19.3	28.9#



Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED



#37
Benzo(g,h,i)perylene
Concen: 0.263 ng
RT: 25.85 min Scan# 3306
Delta R.T. -0.03 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:276 Resp: 36172

Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.8	29.8
138	22.3	14.6	22.0#