Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007223.D
Acq On : 16 Aug 2019 15:12
Operator : HP/JU
Sample : PB122289BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 17 01:36:48 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	6771	0.40	ng	-0.02
6) Naphthalene-d8	10.17	136	24891	0.40	ng	-0.01
12) Acenaphthene-d10	14.06	164	13907	0.40	ng	-0.01
18) Phenanthrene-d10	16.81	188	34073	0.40	ng	-0.01
26) Chrysene-d12	21.03	240	35016	0.40	ng	-0.02
32) Perylene-d12	23.15	264	37648	0.40	ng	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.05	112	6666	0.41	ng	0.00
4) Phenol-d6	6.61	99	8511	0.42	ng	0.00
7) Nitrobenzene-d5	8.55	82	6474	0.32	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	15824m	0.34	ng	-0.01
13) 2,4,6-Tribromophenol	15.56	330	2262	0.30	ng	-0.01
14) 2-Fluorobiphenyl	12.71	172	919	0.05	ng	0.00
24) Fluoranthene-d10	18.86	212	37146	0.31	ng	-0.01
28) Terphenyl-d14	19.48	244	28537	0.30	ng	-0.02
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.34	42	1521	0.341	ng	# 79
5) bis(2-Chloroethyl)ether	6.85	93	6634	0.372	ng	100
8) Naphthalene	10.22	128	24694	0.354	ng	99
9) Hexachlorobutadiene	10.53	225	5103	0.343	ng	# 99
11) 2-Methylnaphthalene	11.85	142	17578	0.355	ng	97
15) Acenaphthylene	13.78	152	26872	0.370	ng	100
16) Acenaphthene	14.13	154	16442	0.353	ng	99
17) Fluorene	15.12	166	21389	0.307	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	7193	0.341	ng	94
20) Hexachlorobenzene	16.13	284	7526	0.371	ng	99
21) Pentachlorophenol	16.47	266	4828	0.639	ng	99
22) Phenanthrene	16.86	178	37687	0.369	ng	100
23) Anthracene	16.95	178	34691	0.372	ng	99
25) Fluoranthene	18.89	202	45858	0.351	ng	100
27) Pyrene	19.25	202	46436	0.378	ng	99
29) Benzo(a)anthracene	21.02	228	45285	0.354	ng	99
30) Chrysene	21.08	228	47151	0.379	ng	98
31) Indeno(1,2,3-cd)pyrene	25.22	276	55156	0.402	ng	99
33) Benzo(b)fluoranthene	22.53	252	48648	0.377	ng	100
34) Benzo(k)fluoranthene	22.57	252	46910	0.368	ng	99
35) Benzo(a)pyrene	23.06	252	45227	0.386	ng	100
36) Dibenzo(a,h)anthracene	25.24	278	45527	0.390	ng	99
37) Benzo(g,h,i)perylene	25.85	276	46343	0.386	ng	99

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

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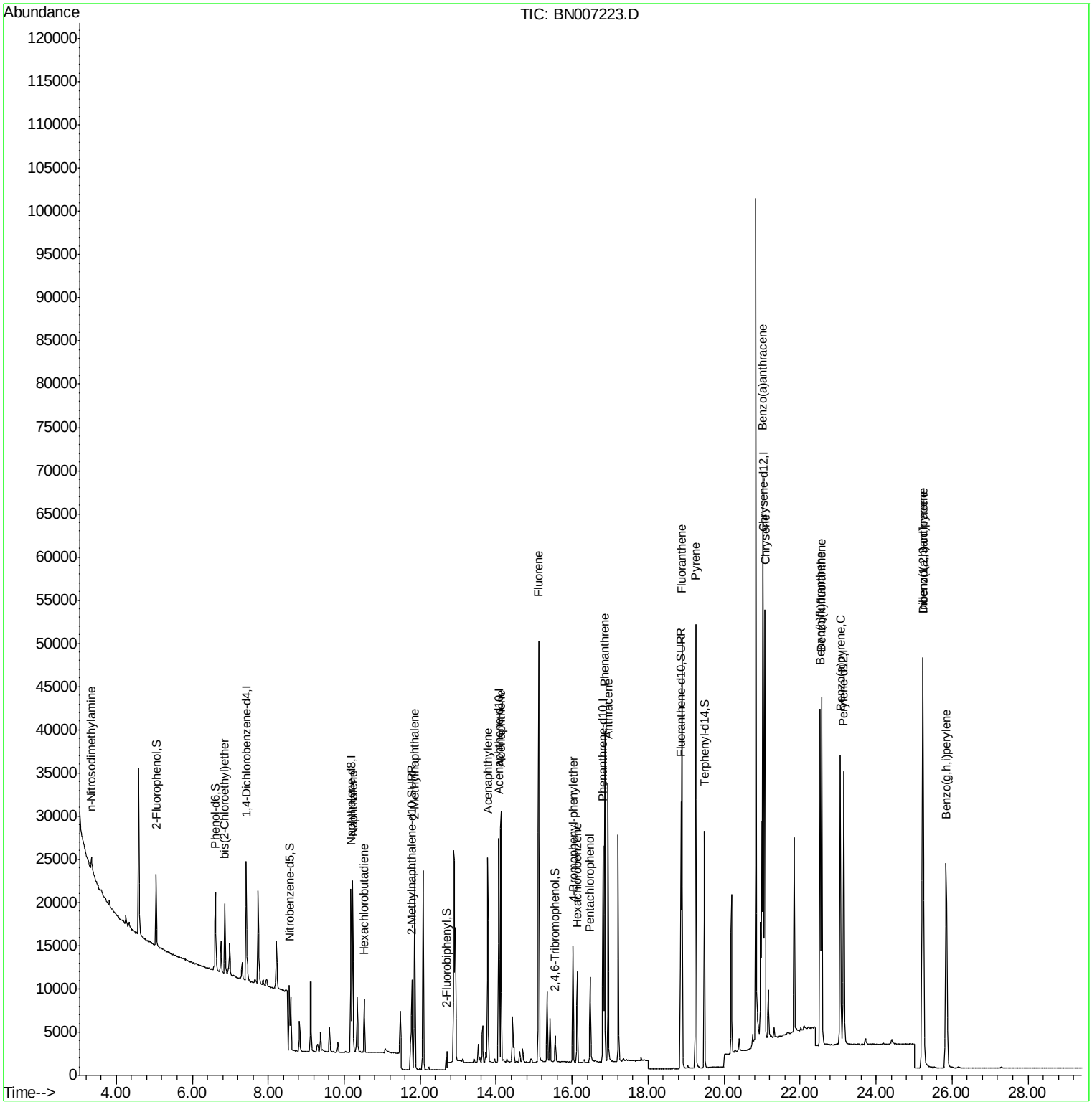
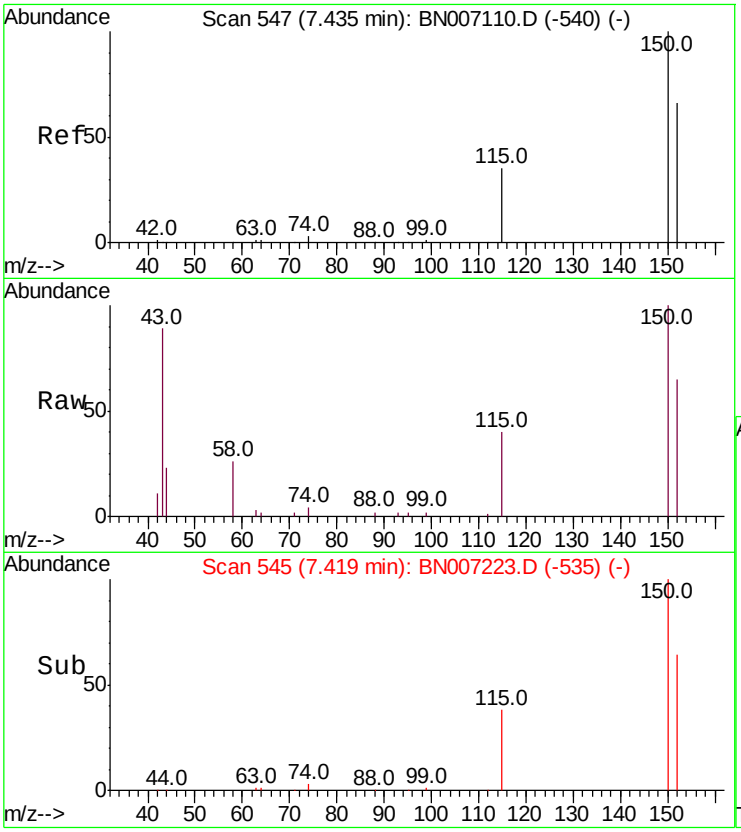
BNA_N
ClientSampleId :

Manual Integrations APPROVED

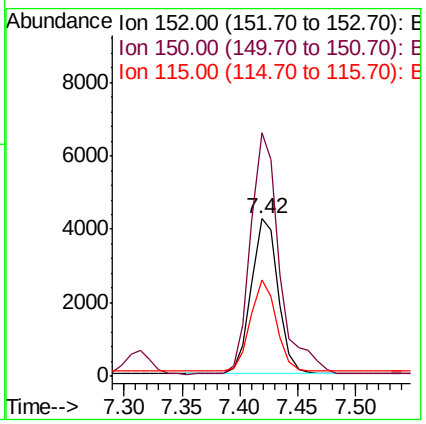




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

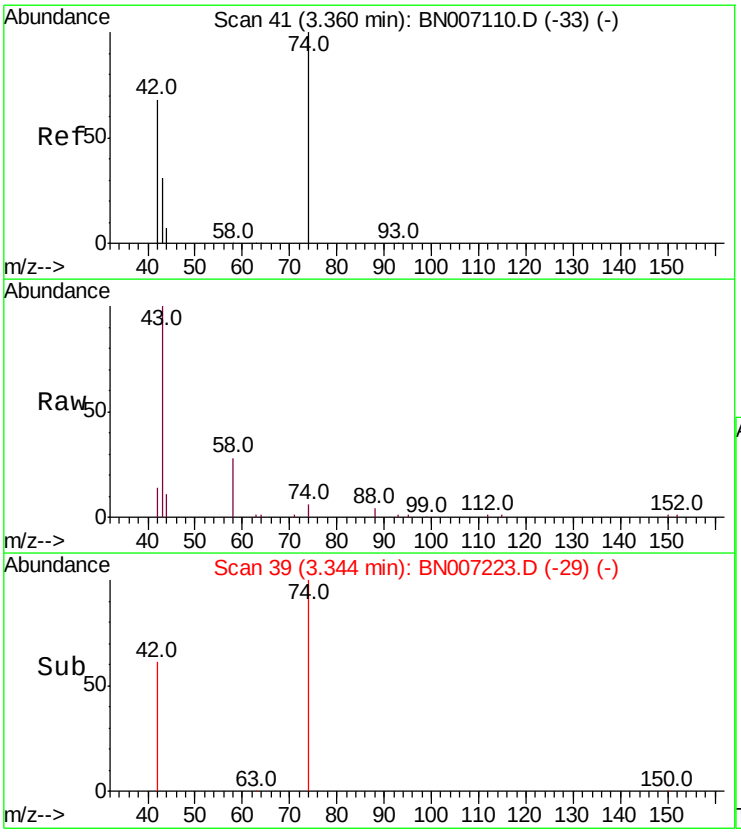
Tgt Ion:152 Resp: 6771

Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.7	182.5
115	61.5	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

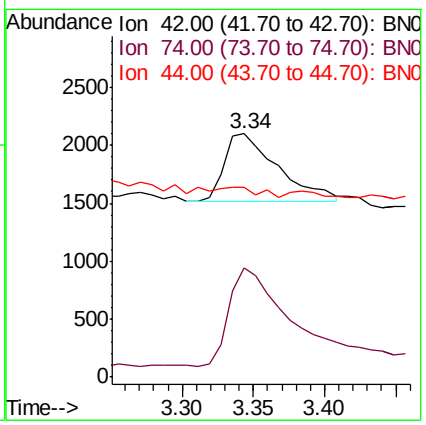
Manual Integrations APPROVED

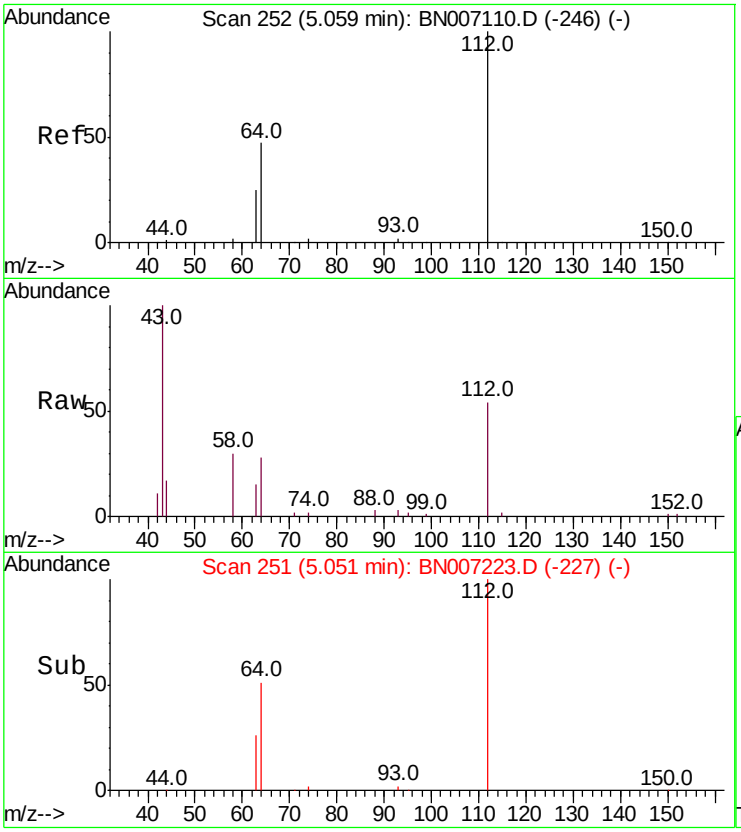


#2
n-Nitrosodimethylamine
Concen: 0.341 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion: 42 Resp: 1521

Ion	Ratio	Lower	Upper
42	100		
74	163.1	110.6	166.0
44	0.0	0.0	0.0

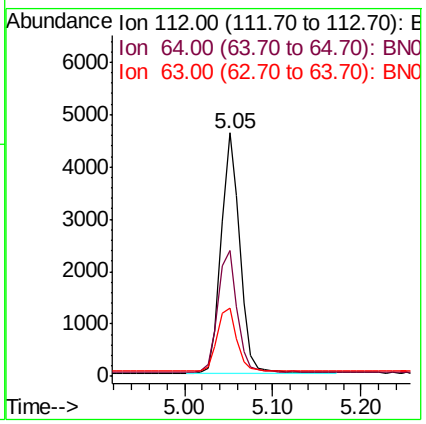




#3
2-Fluorophenol
Concen: 0.410 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

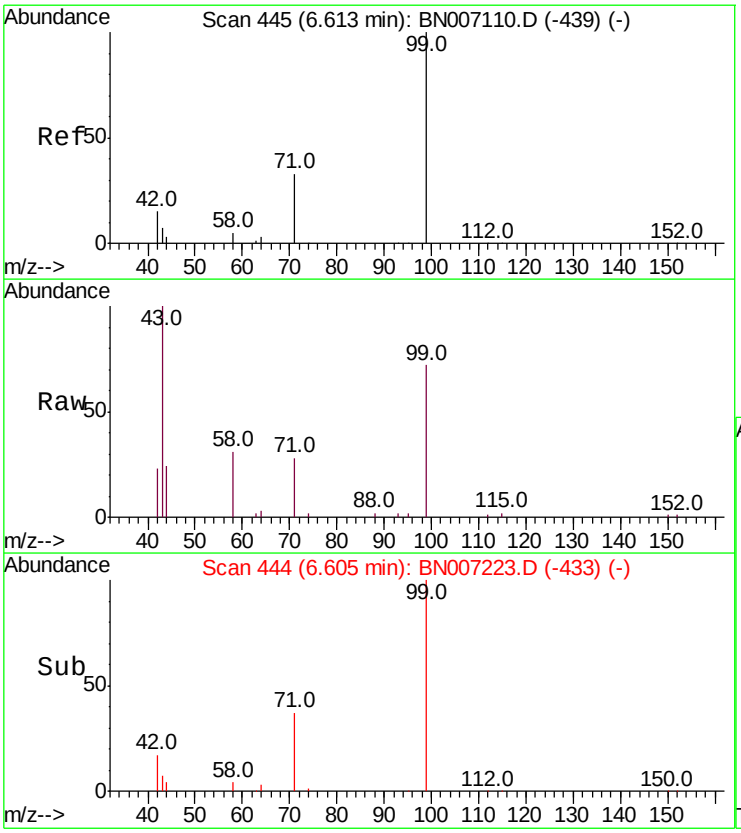
Tgt Ion:112 Resp: 6666

Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	27.6	22.2	33.2



Instrument :
BNA_N
ClientSampleId :

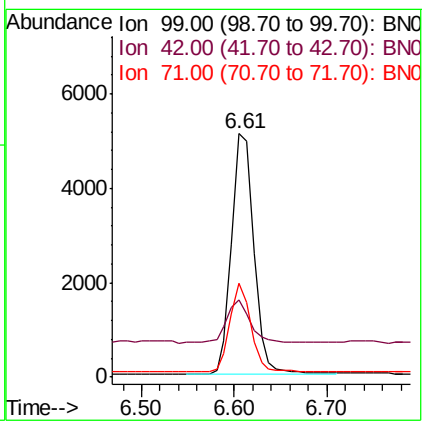
Manual Integrations APPROVED

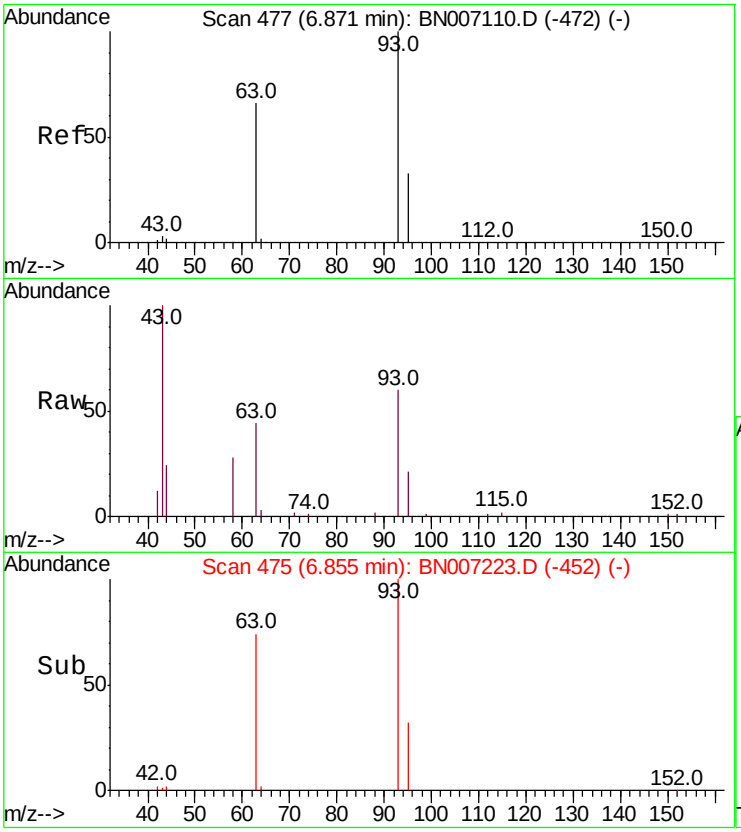


#4
Phenol-d6
Concen: 0.422 ng
RT: 6.61 min Scan# 444
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion: 99 Resp: 8511

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.6
71	34.6	27.0	40.4

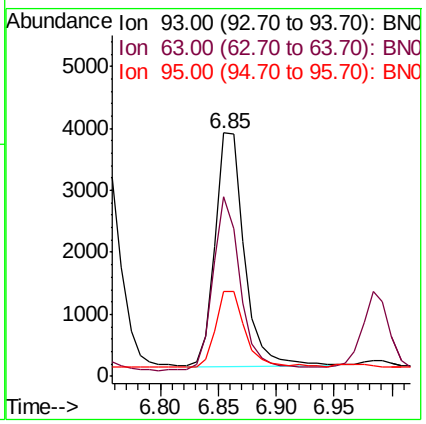




#5
bis(2-Chloroethyl)ether
Concen: 0.372 ng
RT: 6.85 min Scan# 475
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

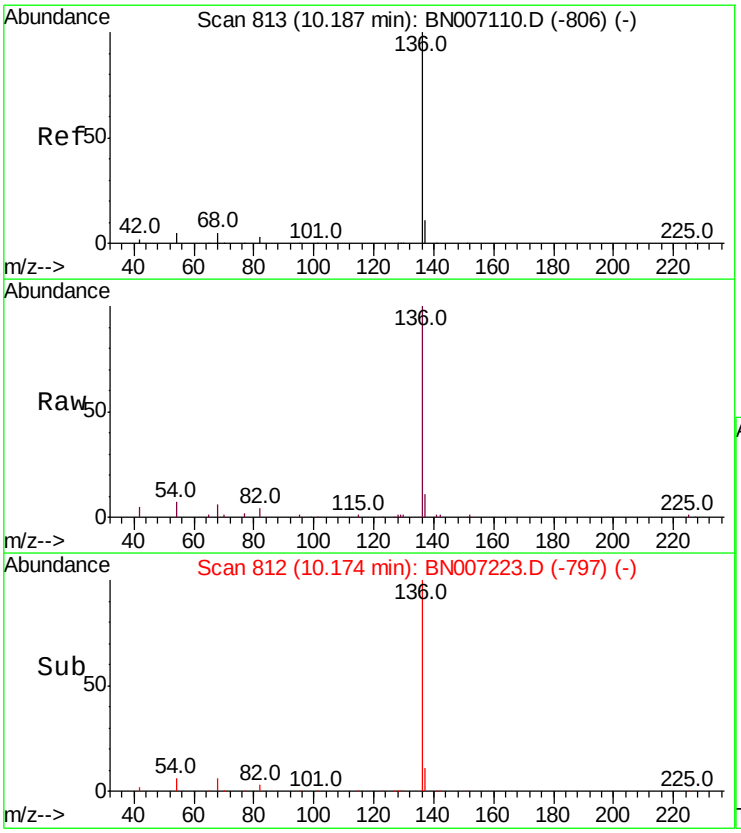
Tgt Ion: 93 Resp: 6634

Ion	Ratio	Lower	Upper
93	100		
63	69.6	55.6	83.4
95	33.2	26.7	40.1



Instrument :
BNA_N
ClientSampleId :

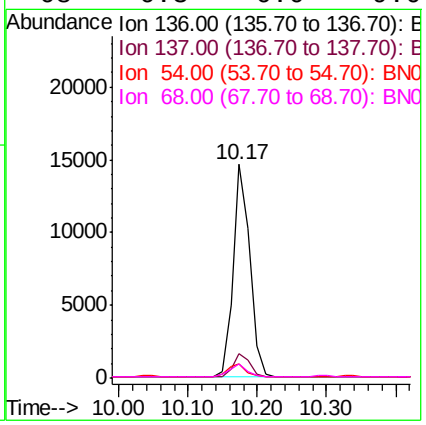
Manual Integrations APPROVED

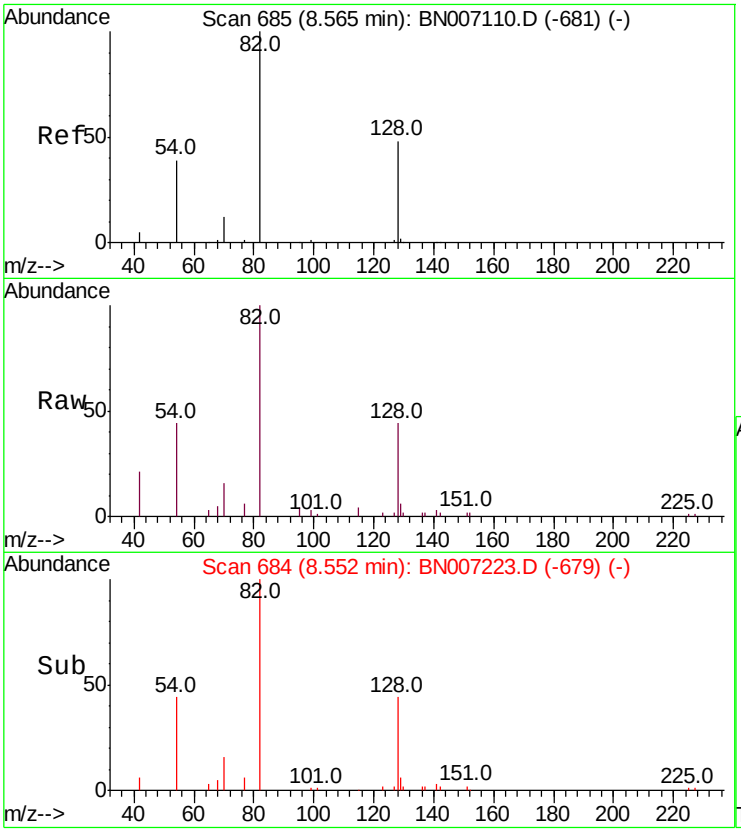


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:136 Resp: 24891

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	6.8	6.6	9.8
68	6.3	6.0	9.0

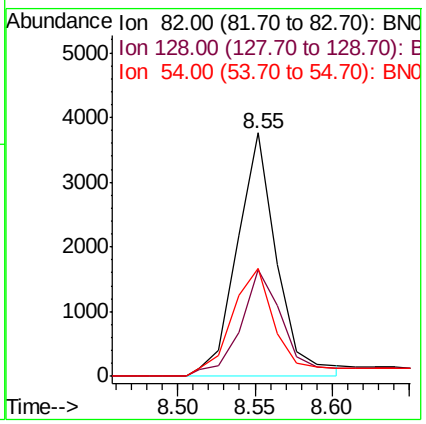




#7
Nitrobenzene-d5
Concen: 0.323 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

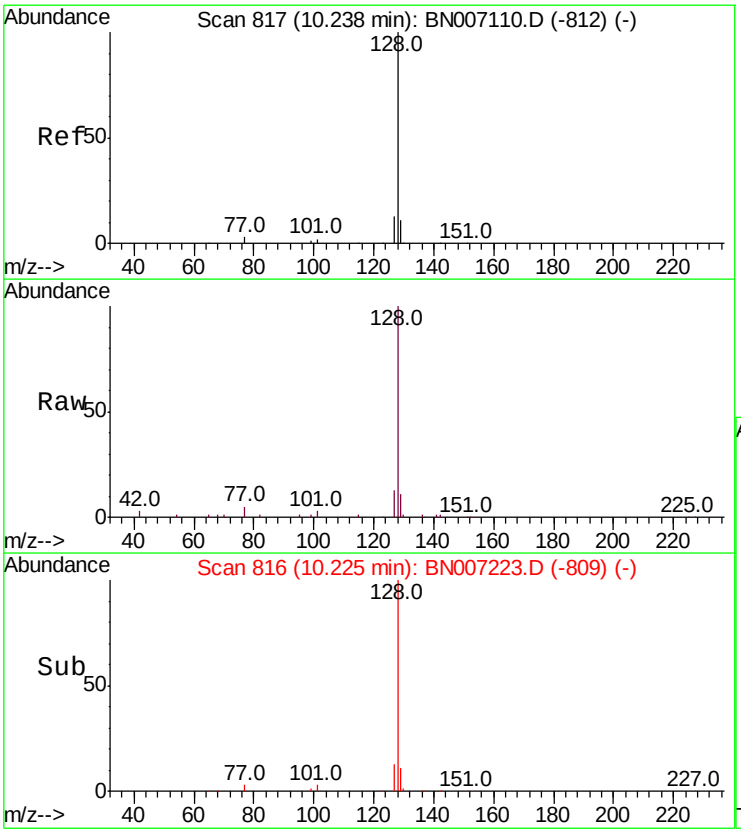
Tgt Ion: 82 Resp: 6474

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.6	51.8
54	44.4	36.2	54.4



Instrument :
BNA_N
ClientSampleId :

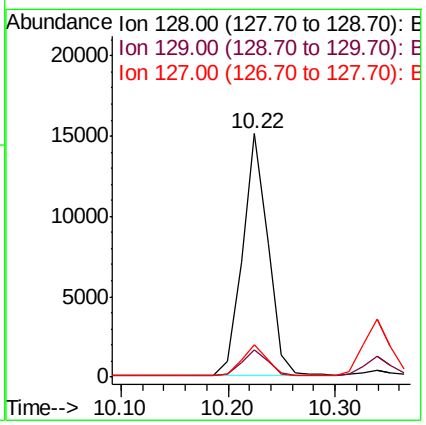
Manual Integrations APPROVED

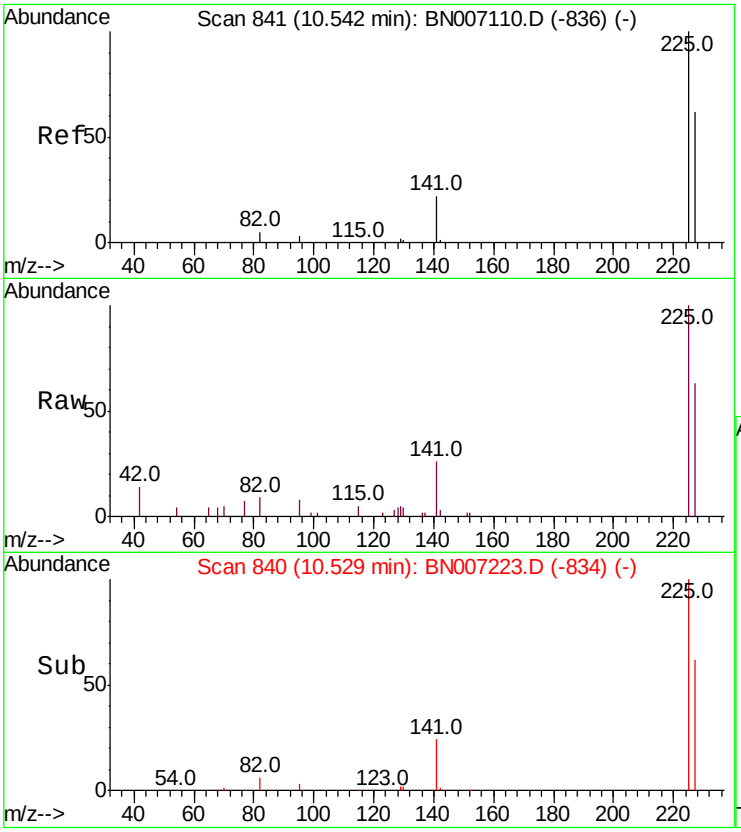


#8
Naphthalene
Concen: 0.354 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:128 Resp: 24694

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	13.4	11.0	16.6

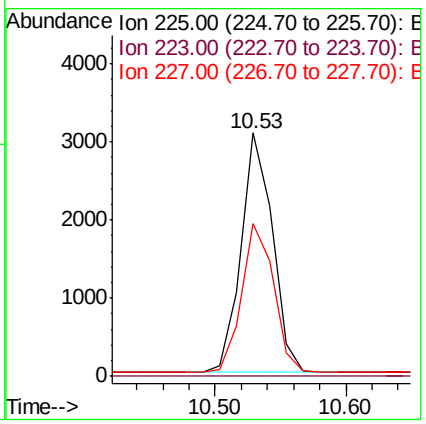




#9
Hexachlorobutadiene
Concen: 0.343 ng
RT: 10.53 min Scan# 840
Delta R.T. -0.03 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

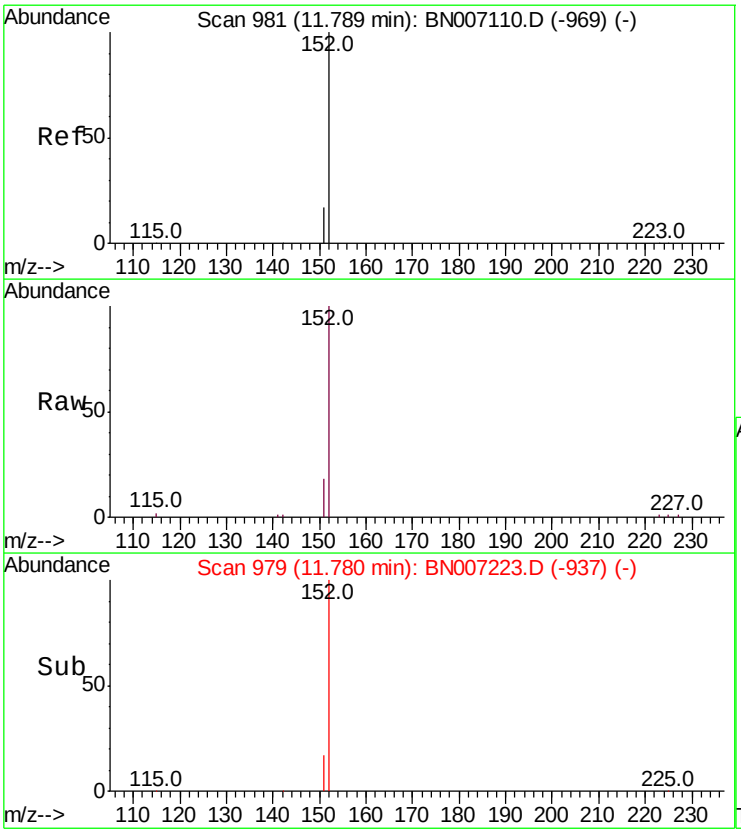
Tgt Ion:225 Resp: 5103

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	51.1	76.7



Instrument :
BNA_N
ClientSampleId :

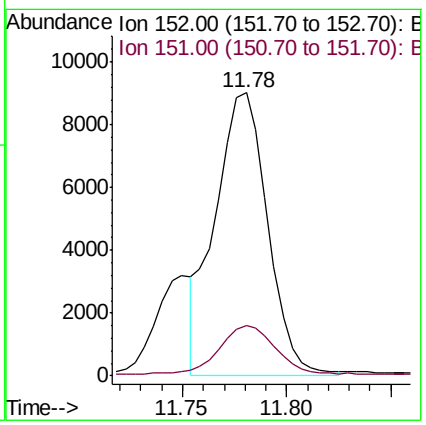
Manual Integrations APPROVED

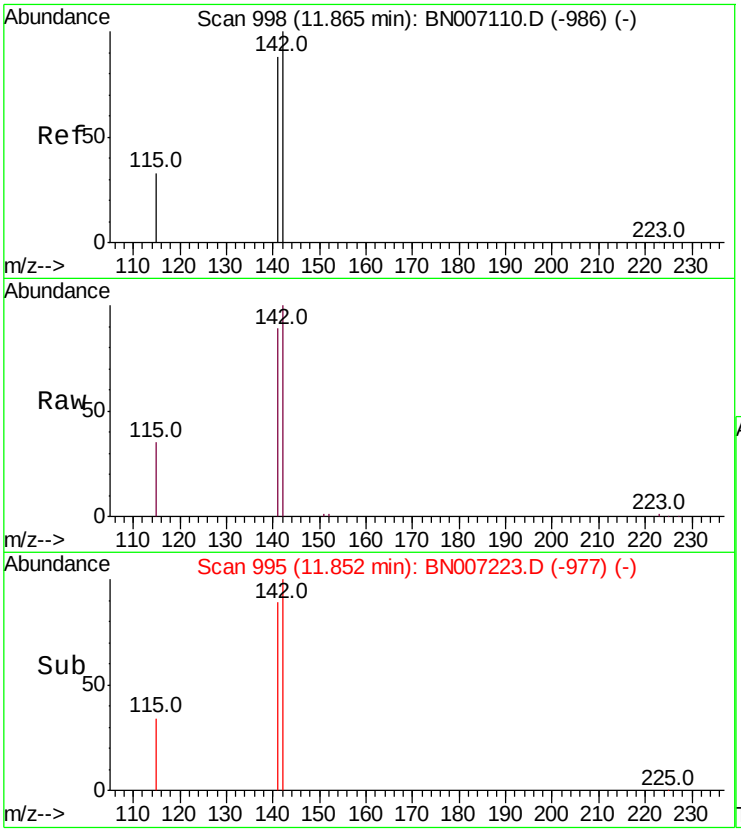


#10
2-Methylnaphthalene-d10
Concen: 0.341 ng m
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:152 Resp: 15824

Ion	Ratio	Lower	Upper
152	100		
151	17.8	15.5	23.3

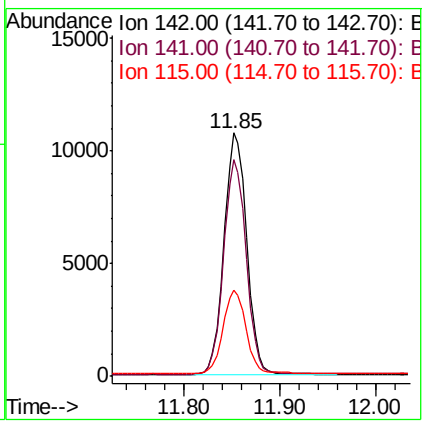




#11
2-Methylnaphthalene
Concen: 0.355 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

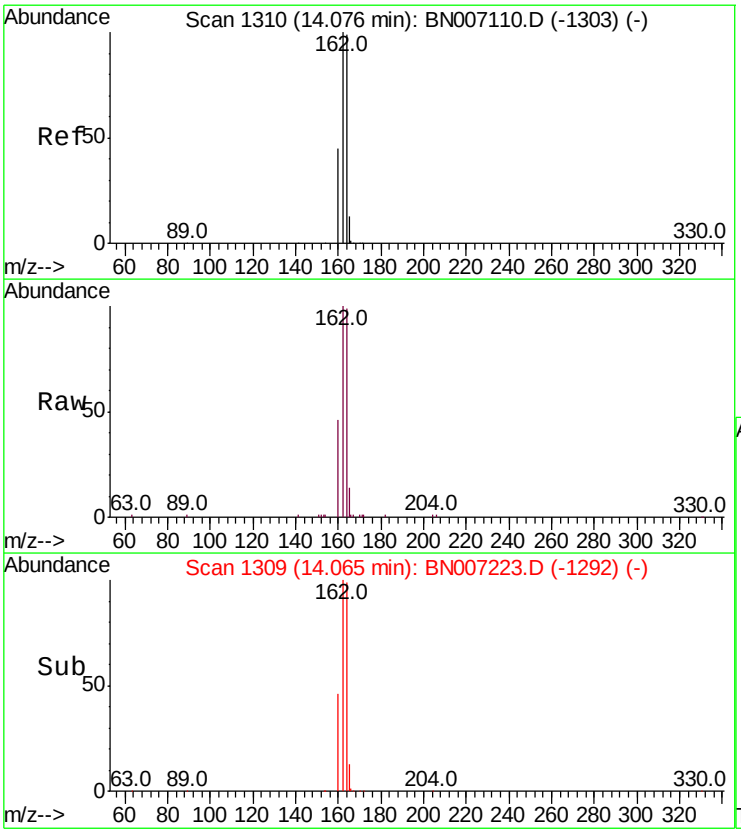
Tgt Ion:142 Resp: 17578

Ion	Ratio	Lower	Upper
142	100		
141	88.8	69.0	103.6
115	35.4	27.1	40.7



Instrument :
BNA_N
ClientSampleId :

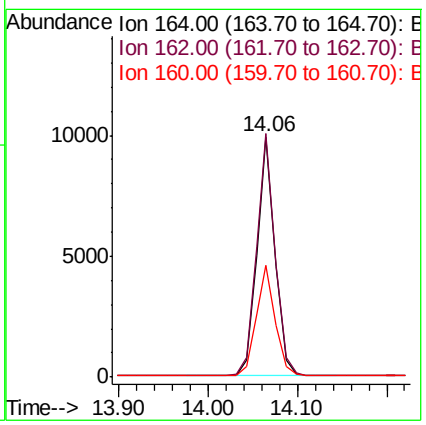
Manual Integrations APPROVED

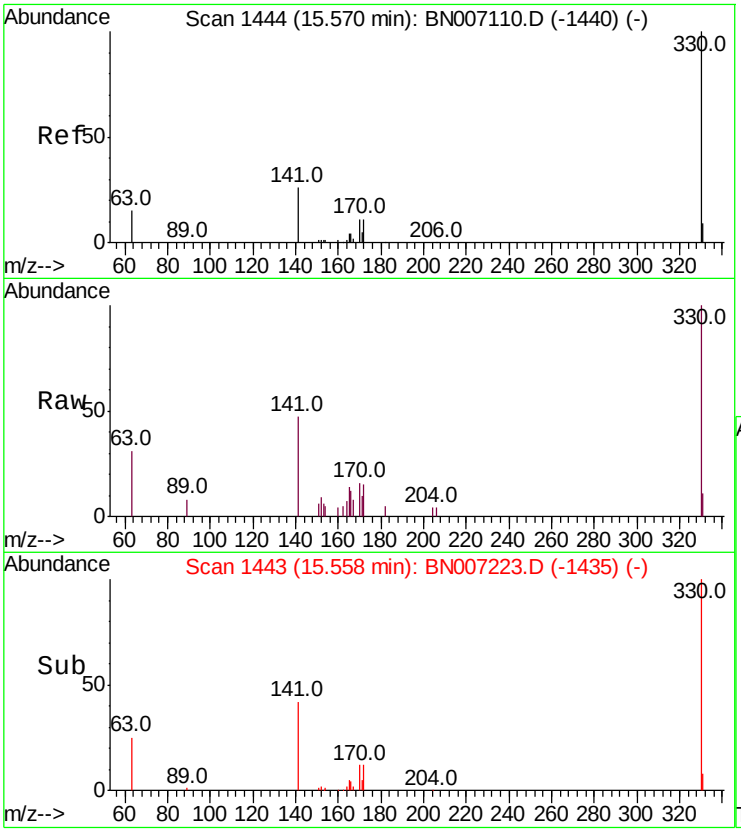


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:164 Resp: 13907

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.4
160	46.7	38.3	57.5

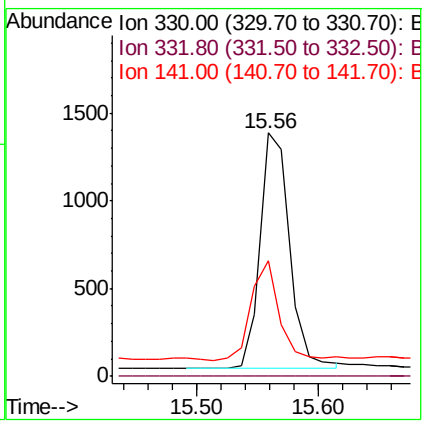




#13
2,4,6-Tribromophenol
Concen: 0.302 ng
RT: 15.56 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

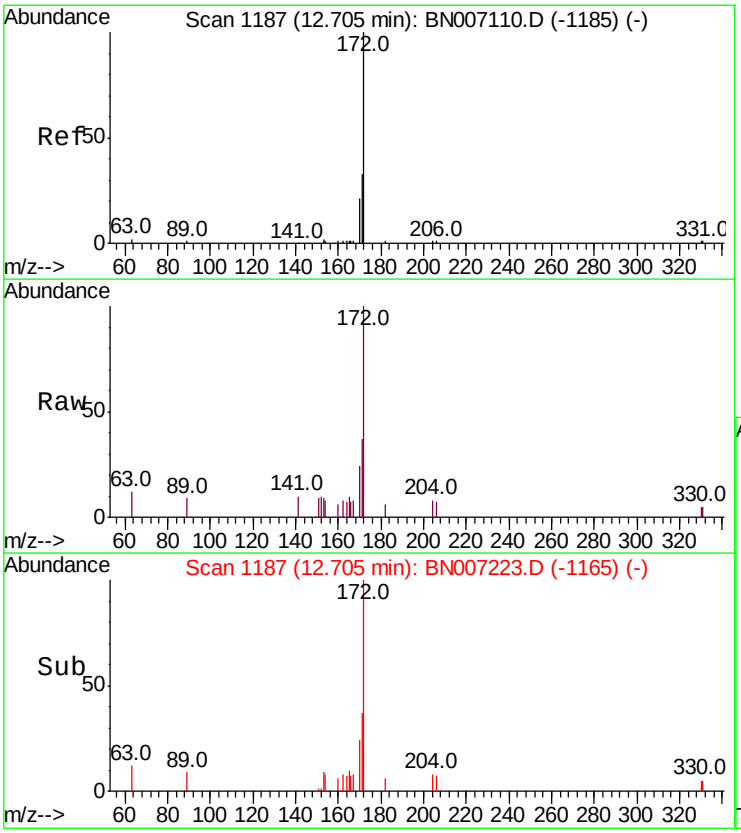
Tgt Ion:330 Resp: 2262

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.5	33.6	50.4



Instrument :
BNA_N
ClientSampleId :

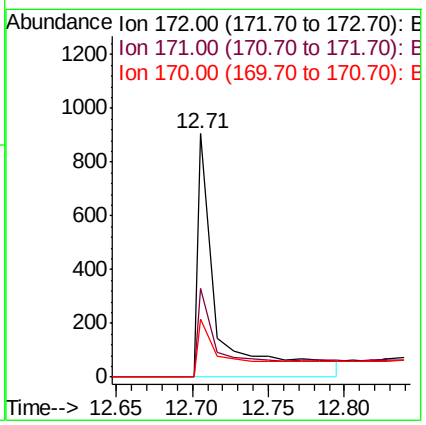
Manual Integrations APPROVED

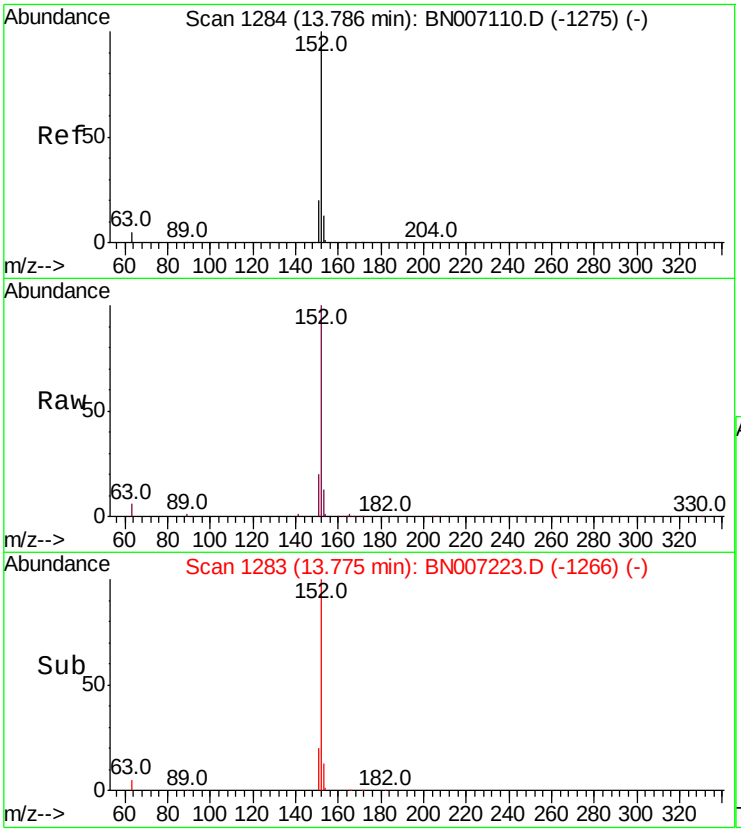


#14
2-Fluorobiphenyl
Concen: 0.045 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:172 Resp: 919

Ion	Ratio	Lower	Upper
172	100		
171	36.6	26.3	39.5
170	24.0	17.0	25.4

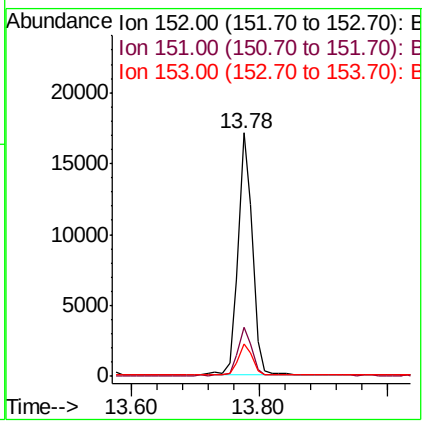




#15
Acenaphthylene
Concen: 0.370 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

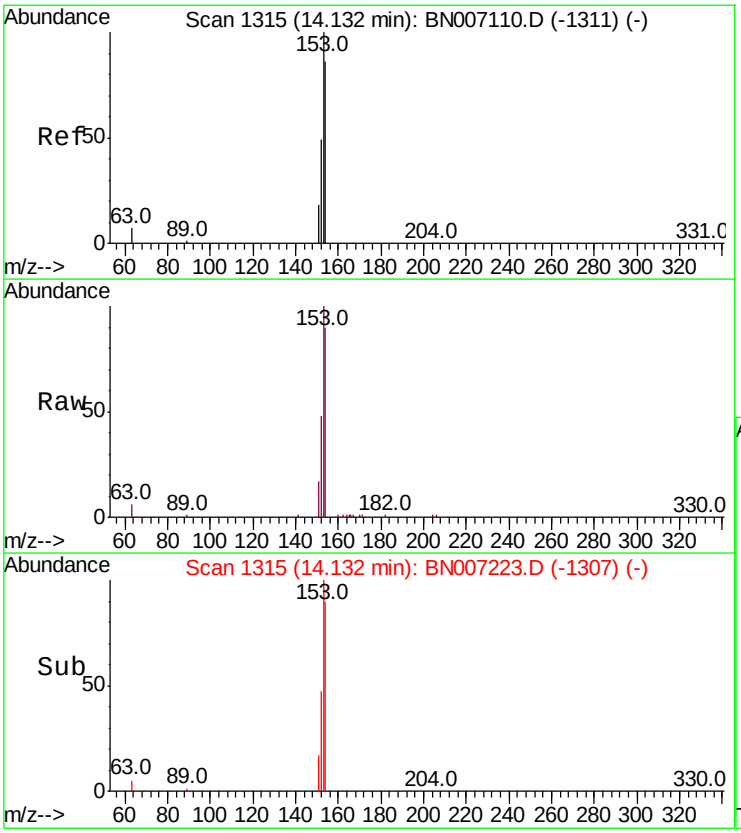
Tgt Ion:152 Resp: 26872

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.0	10.4	15.6



Instrument :
BNA_N
ClientSampleId :

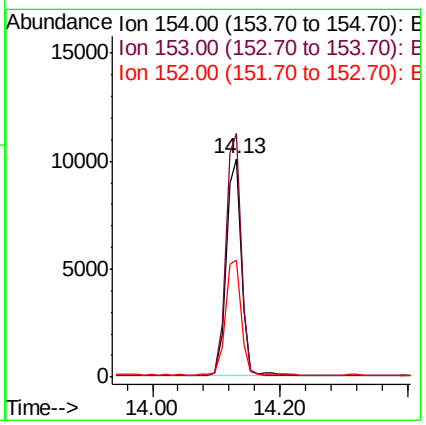
Manual Integrations APPROVED

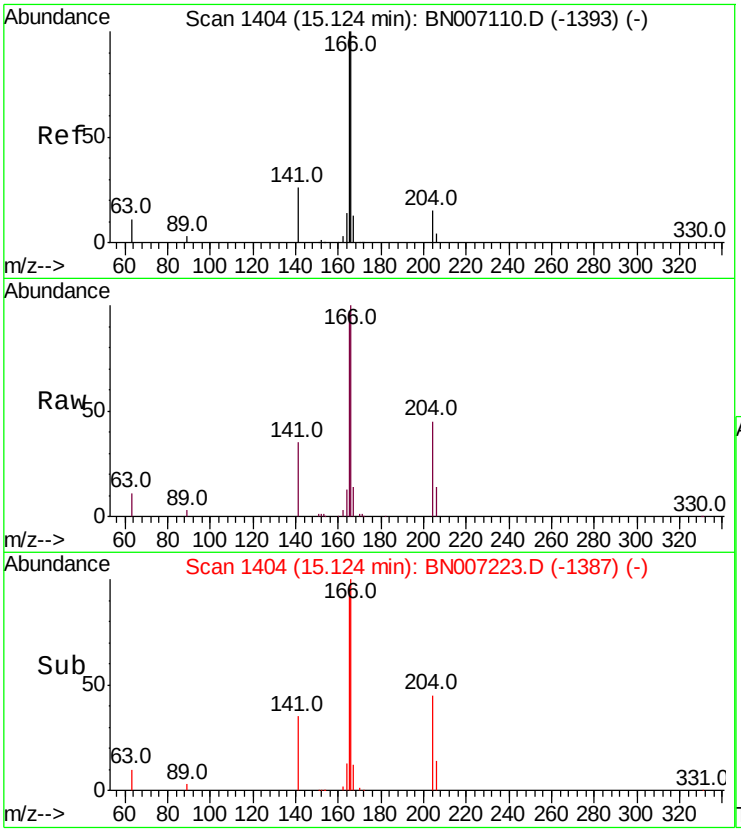


#16
Acenaphthene
Concen: 0.353 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:154 Resp: 16442

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.5	134.3
152	54.8	44.8	67.2

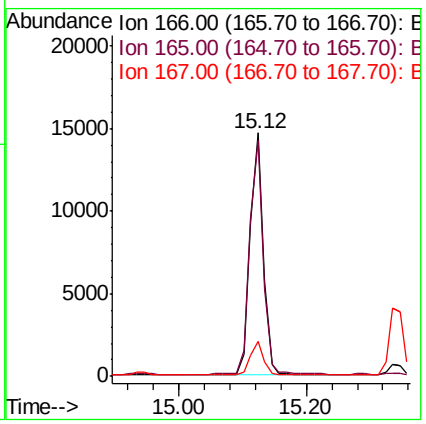




#17
Fluorene
Concen: 0.307 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:166 Resp: 21389

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.9	116.9
167	13.7	10.9	16.3



Instrument :
BNA_N
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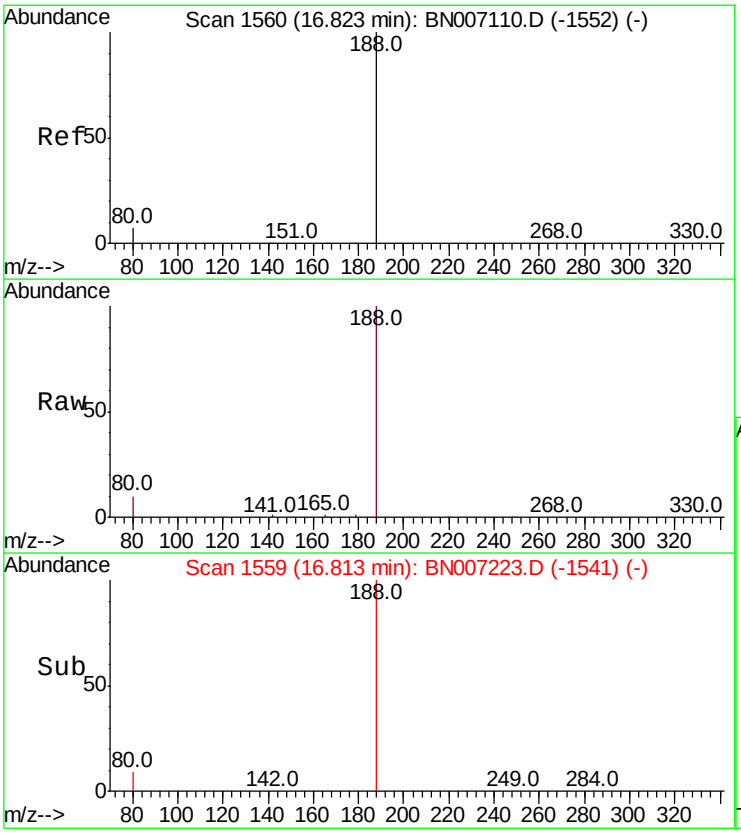
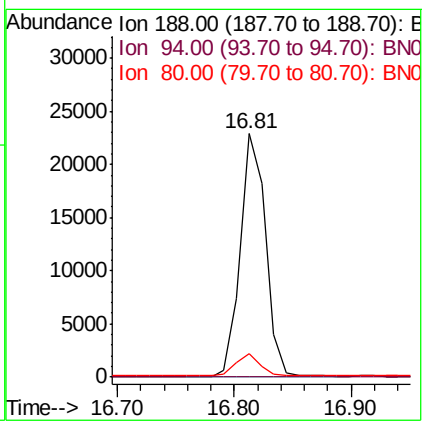
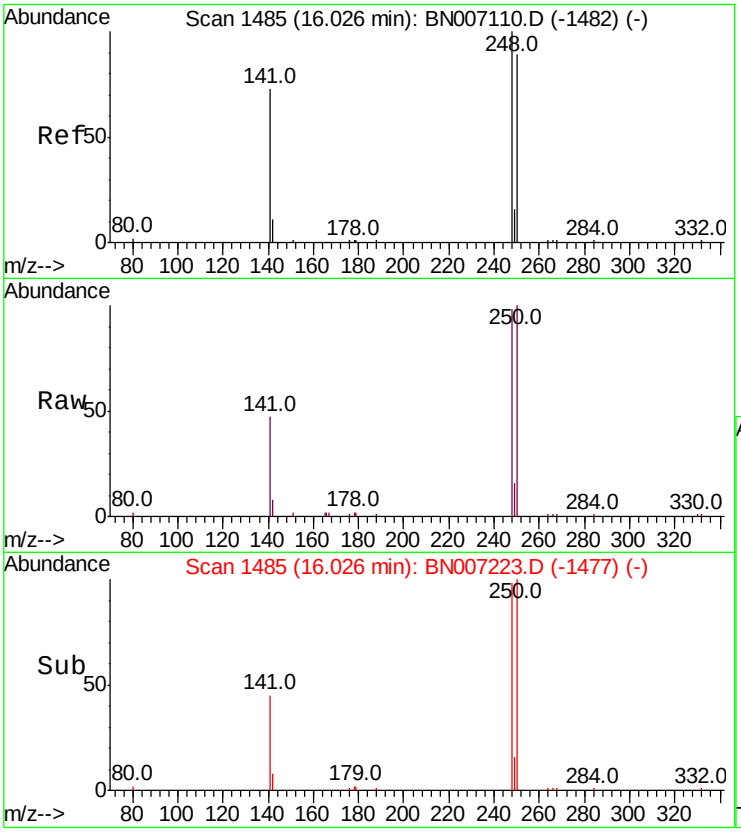


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:188 Resp: 34073

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.8	11.6

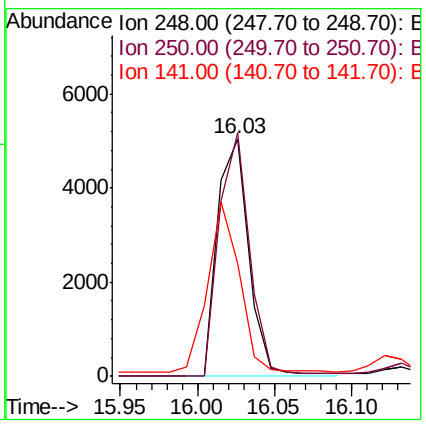




#19
4-Bromophenyl-phenylether
Concen: 0.341 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

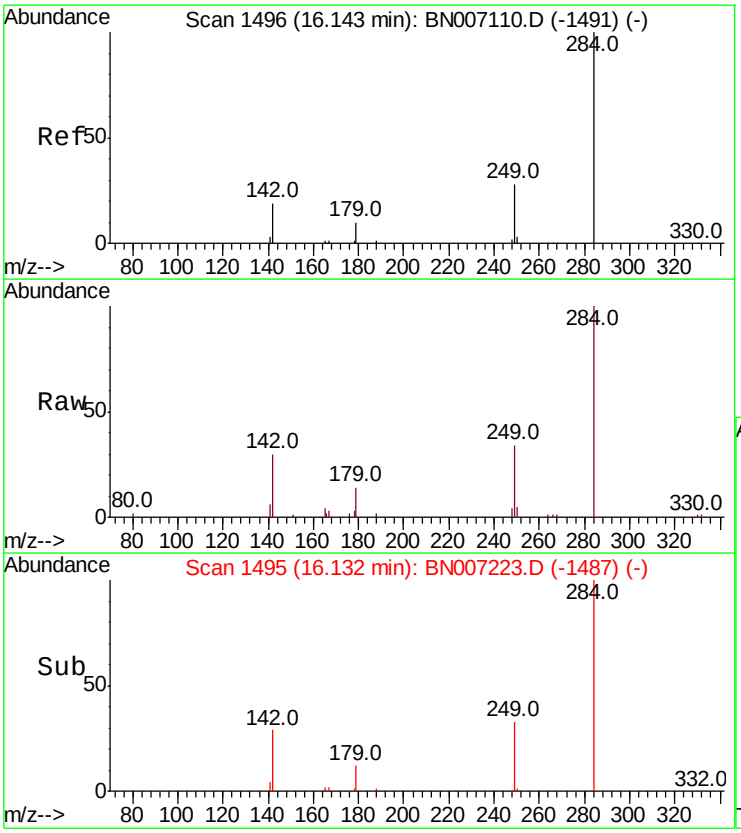
Tgt Ion:248 Resp: 7193

Ion	Ratio	Lower	Upper
248	100		
250	102.4	78.9	118.3
141	47.8	43.3	64.9



Instrument :
BNA_N
ClientSampleId :

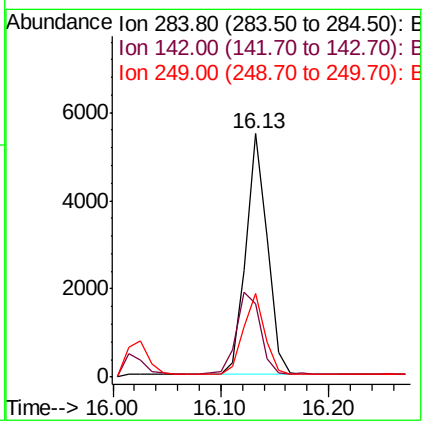
Manual Integrations APPROVED

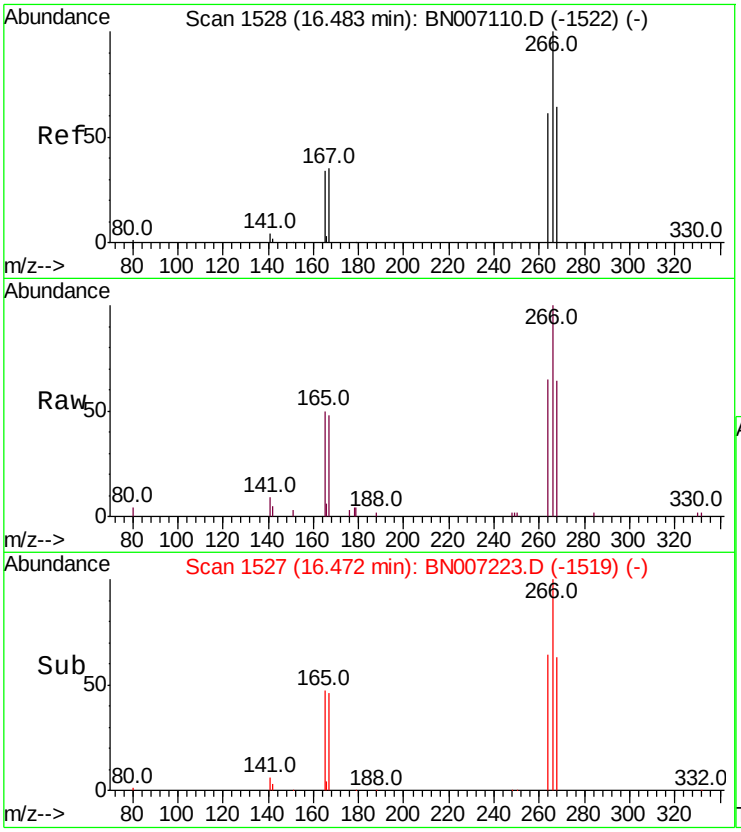


#20
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.13 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:284 Resp: 7526

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.5	45.7
249	33.0	26.7	40.1

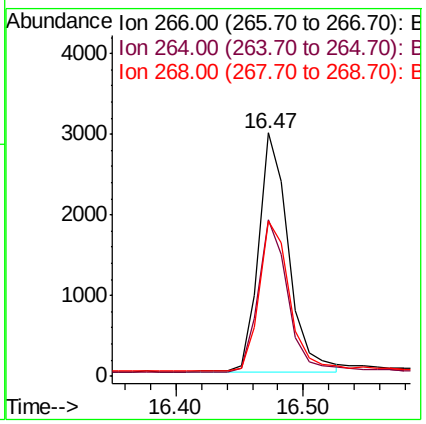




#21
Pentachlorophenol
Concen: 0.639 ng
RT: 16.47 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

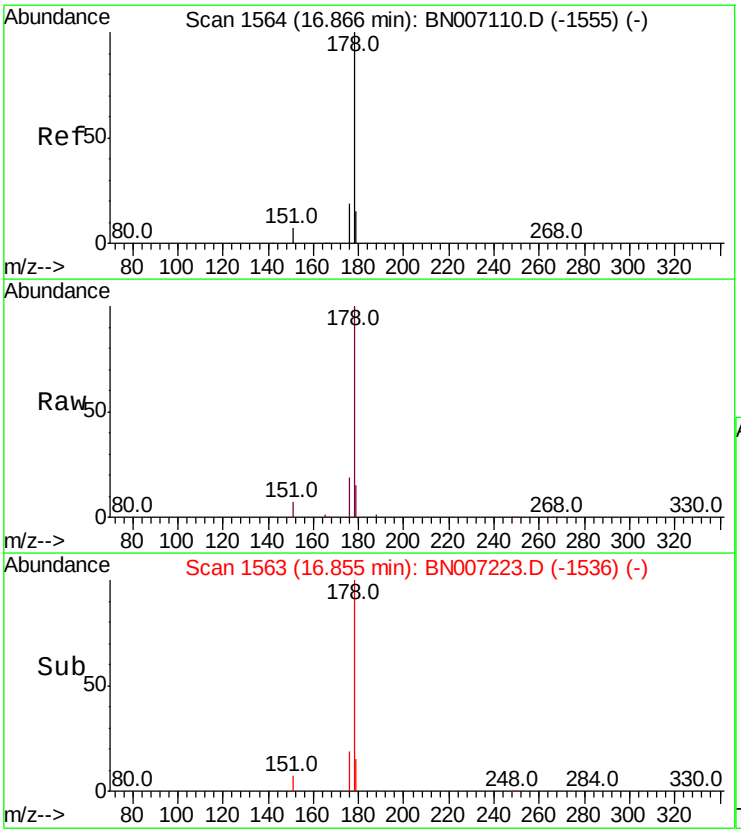
Tgt Ion:266 Resp: 4828

Ion	Ratio	Lower	Upper
266	100		
264	64.5	52.3	78.5
268	63.9	51.5	77.3



Instrument :
BNA_N
ClientSampleId :

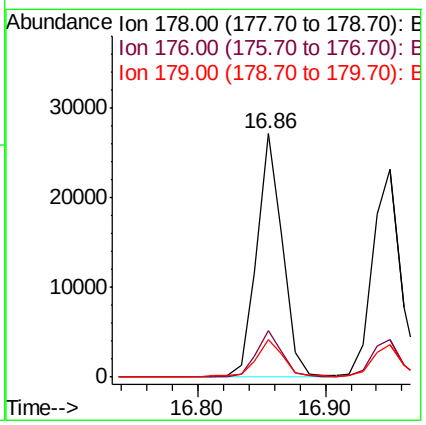
Manual Integrations APPROVED

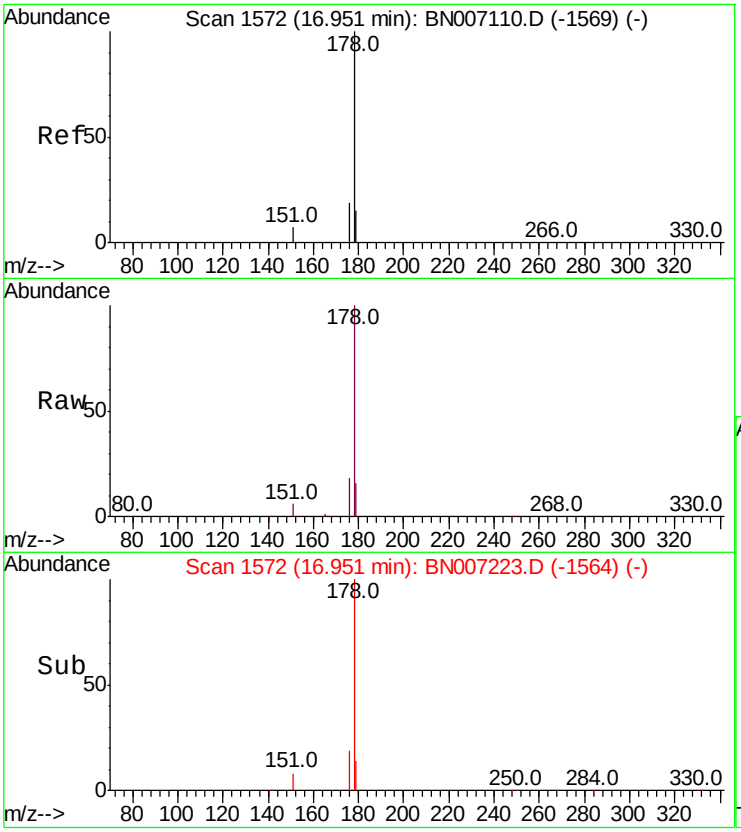


#22
Phenanthrene
Concen: 0.369 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:178 Resp: 37687

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.3	12.3	18.5

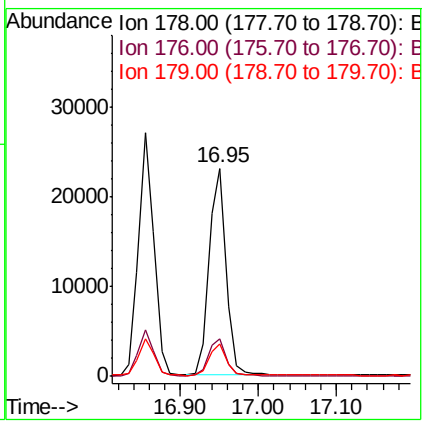




#23
Anthracene
Concen: 0.372 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

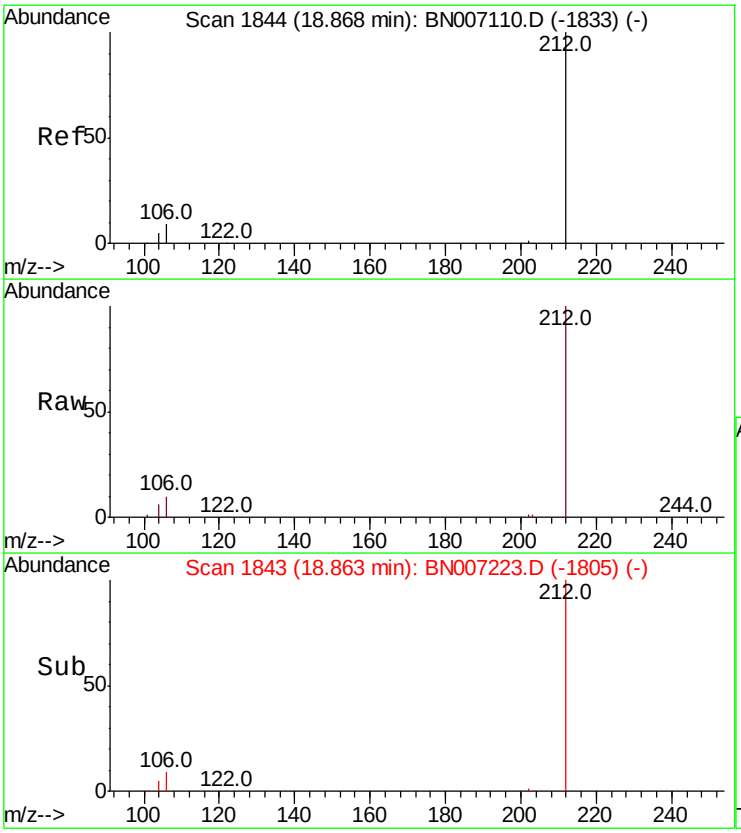
Tgt Ion:178 Resp: 34691

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.2	12.5	18.7



Instrument :
BNA_N
ClientSampleId :

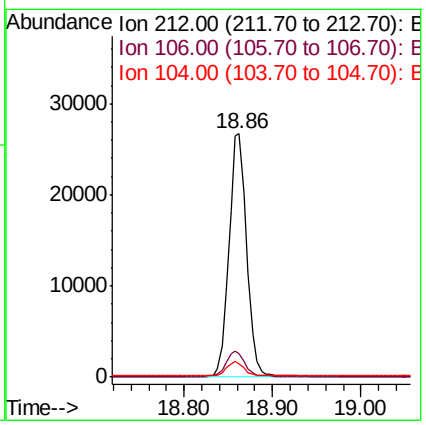
Manual Integrations APPROVED

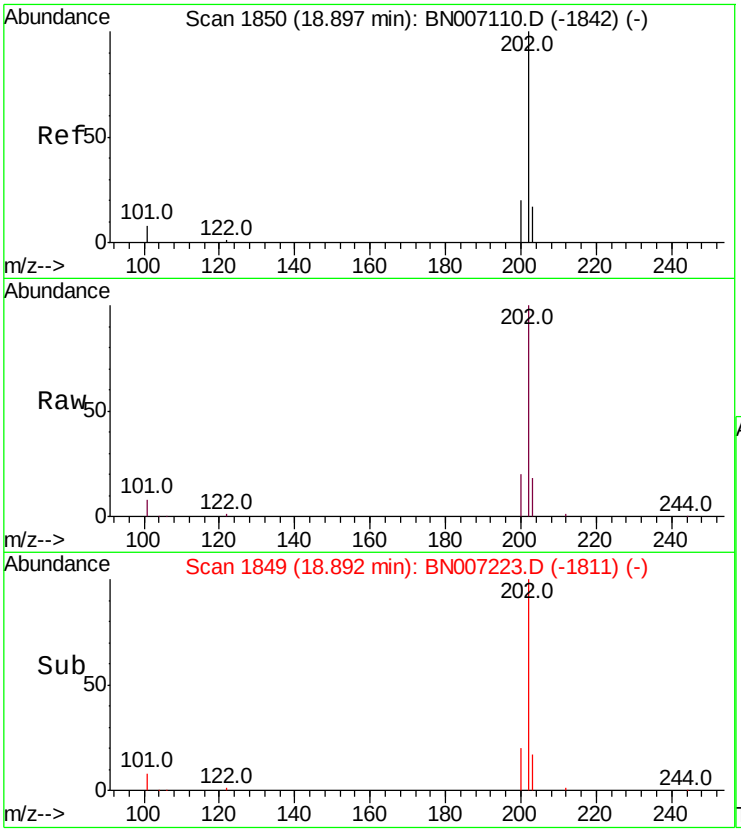


#24
Fluoranthene-d10
Concen: 0.307 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:212 Resp: 37146

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	5.8	4.5	6.7

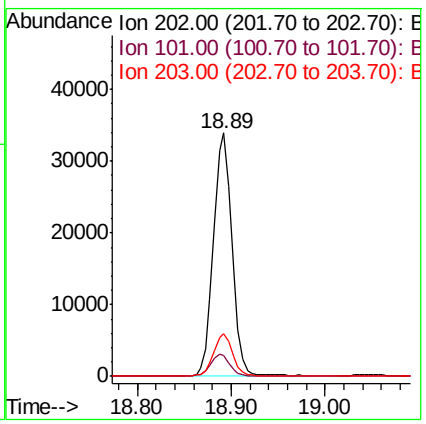




#25
Fluoranthene
Concen: 0.351 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

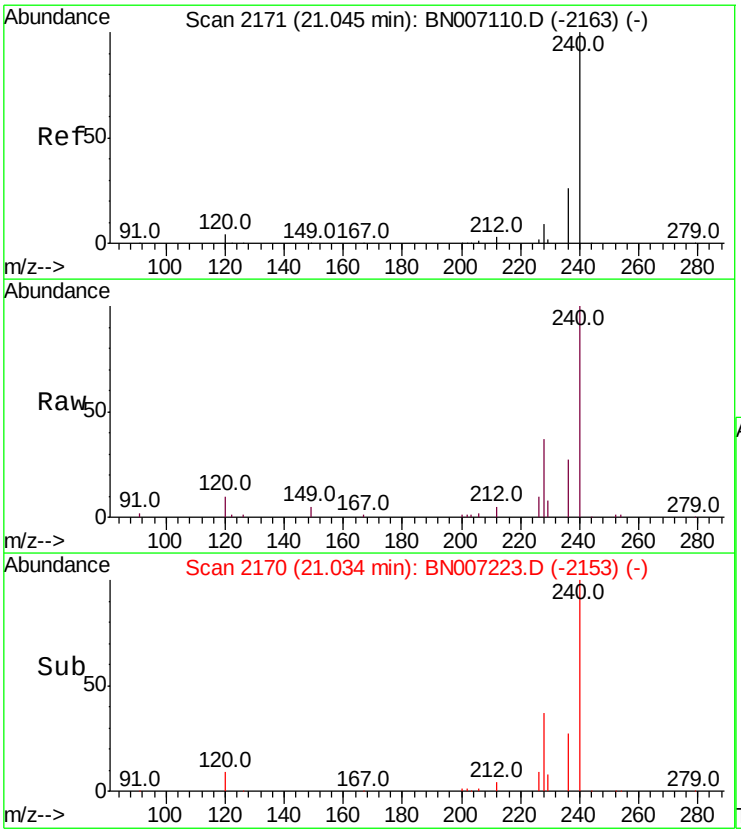
Tgt Ion:202 Resp: 45858

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.2	13.8	20.8



Instrument :
BNA_N
ClientSampleId :

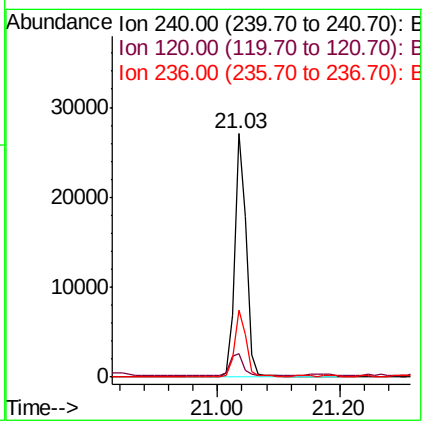
Manual Integrations APPROVED

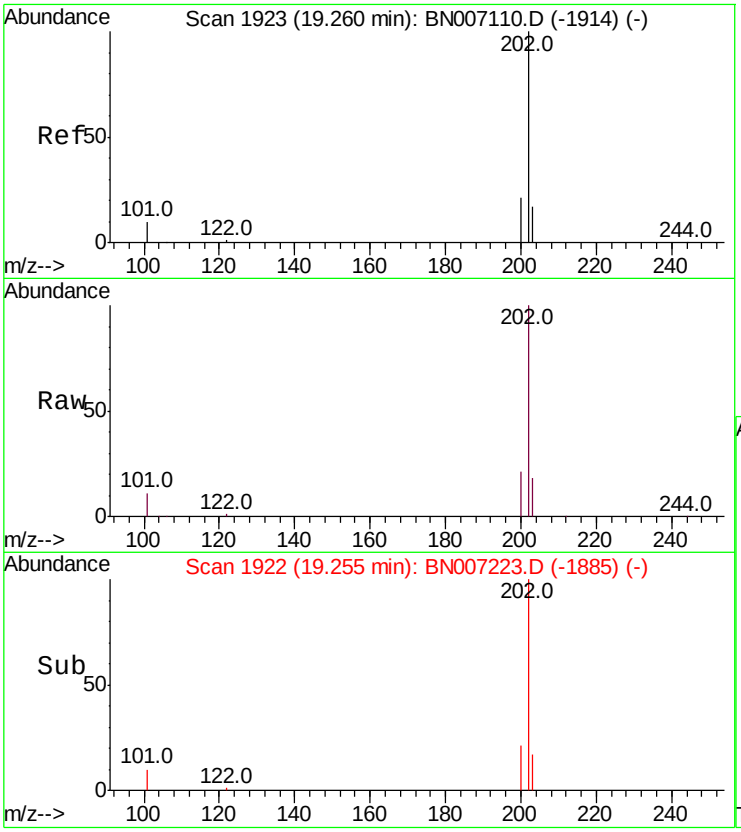


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:240 Resp: 35016

Ion	Ratio	Lower	Upper
240	100		
120	9.6	4.0	6.0#
236	27.5	21.3	31.9

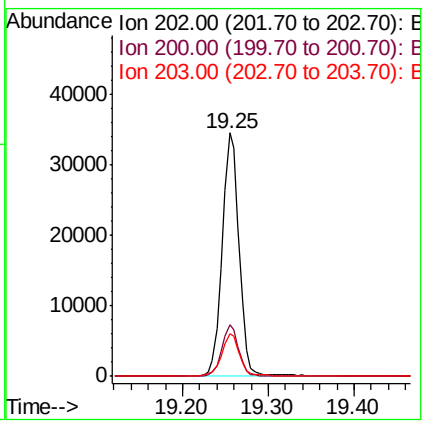




#27
Pyrene
Concen: 0.378 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

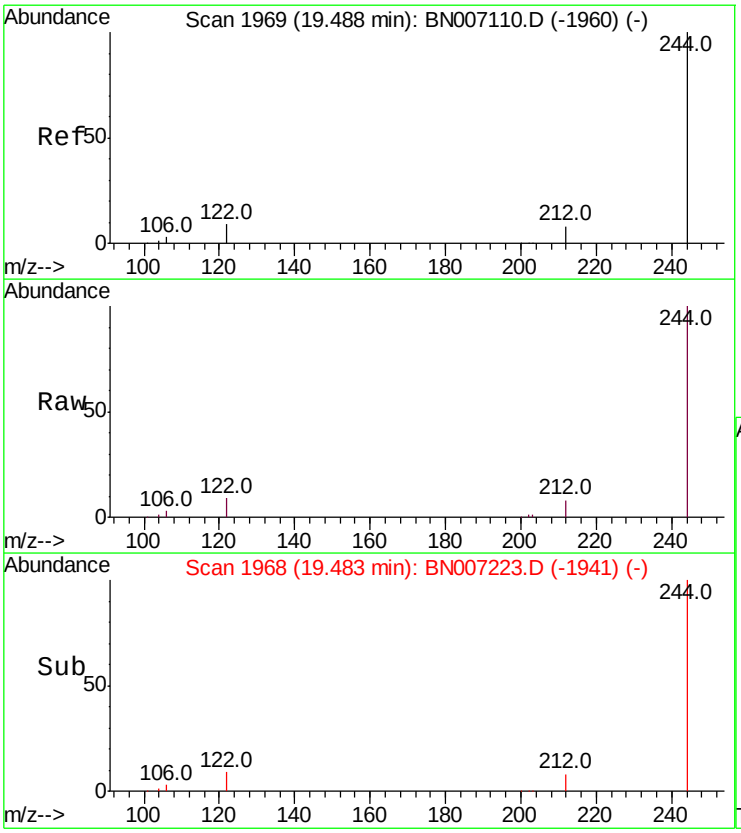
Tgt Ion:202 Resp: 46436

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	18.0	14.0	21.0



Instrument :
BNA_N
ClientSampleId :

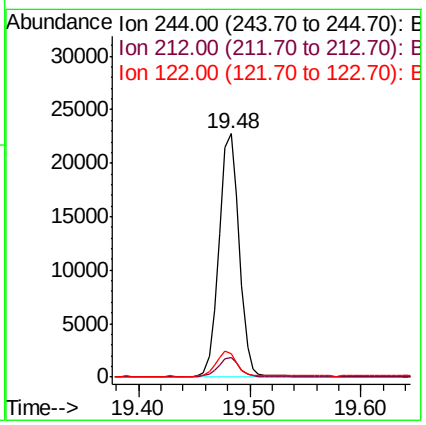
Manual Integrations APPROVED

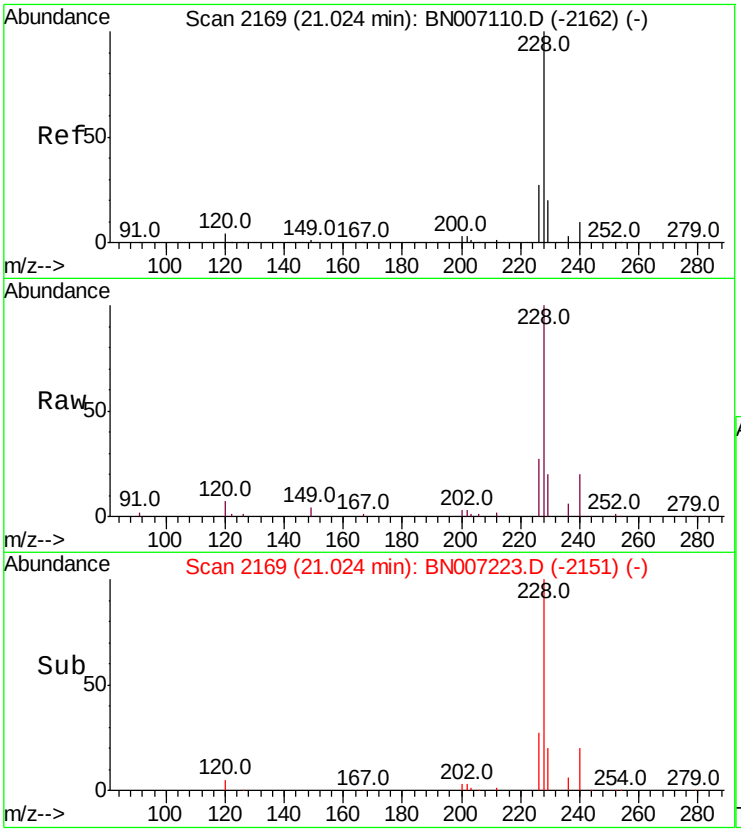


#28
Terphenyl-d14
Concen: 0.299 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:244 Resp: 28537

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	9.4	7.4	11.2

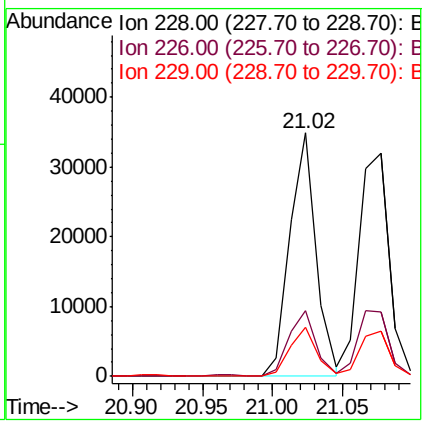




#29
Benzo(a)anthracene
Concen: 0.354 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

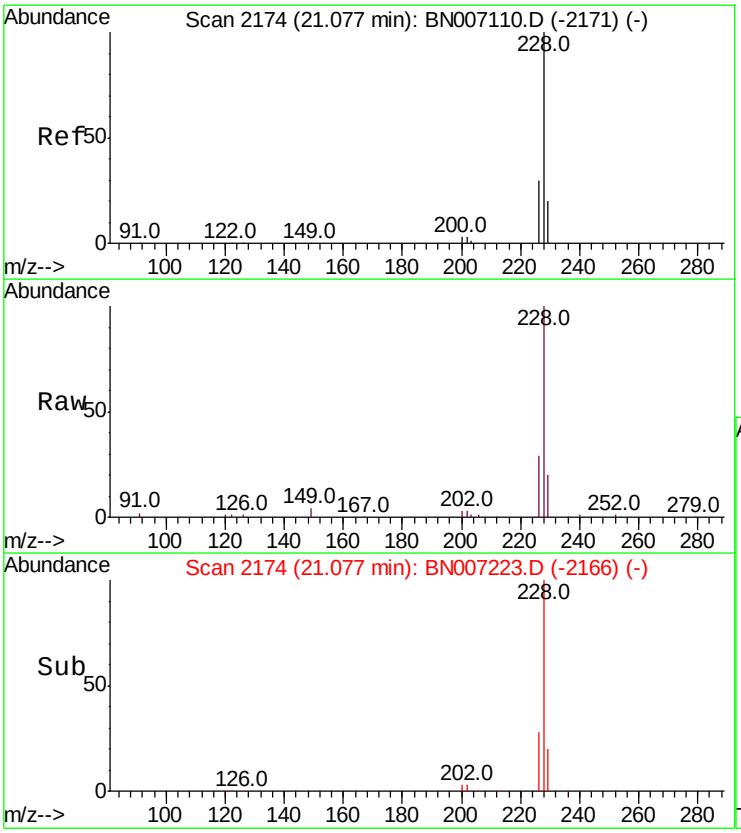
Tgt Ion:228 Resp: 45285

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.6
229	20.0	15.6	23.4



Instrument :
BNA_N
ClientSampleId :

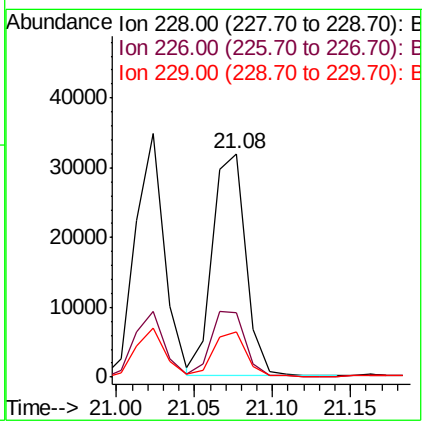
Manual Integrations APPROVED

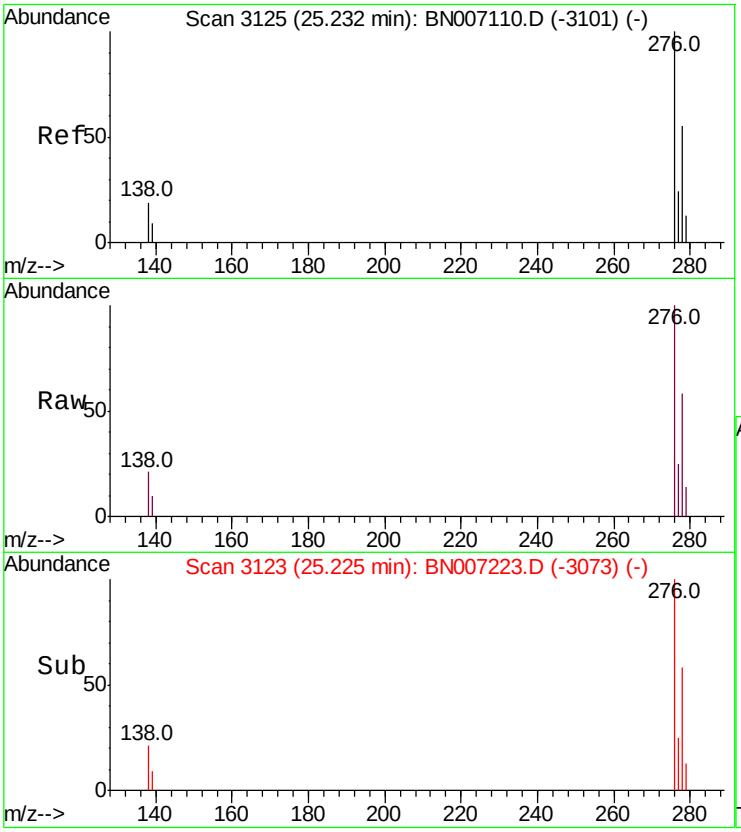


#30
Chrysene
Concen: 0.379 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:228 Resp: 47151

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.8	35.6
229	19.9	15.7	23.5

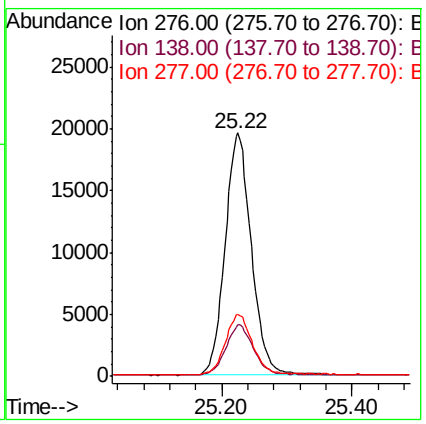




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 25.22 min Scan# 3123
Delta R.T. -0.03 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

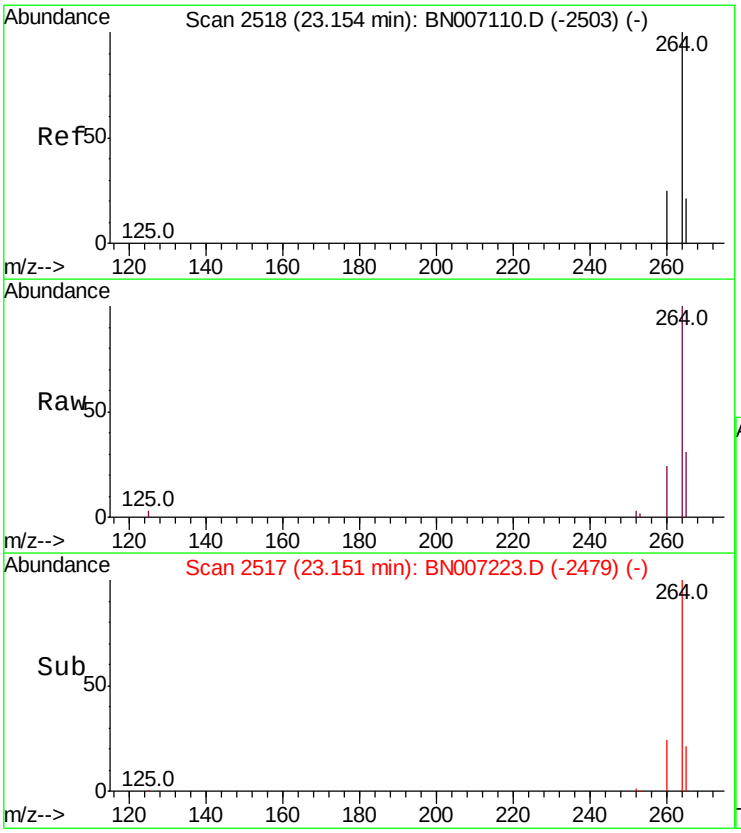
Tgt Ion:276 Resp: 55156

Ion	Ratio	Lower	Upper
276	100		
138	21.2	16.0	24.0
277	25.0	19.9	29.9



Instrument :
BNA_N
ClientSampleId :

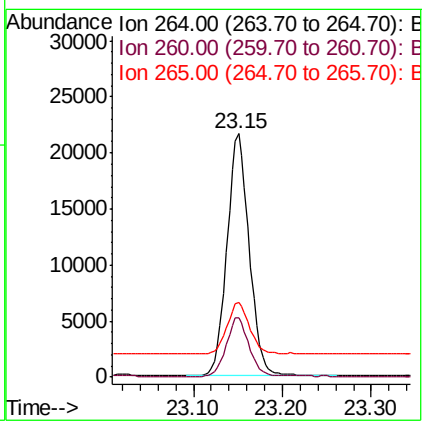
Manual Integrations APPROVED

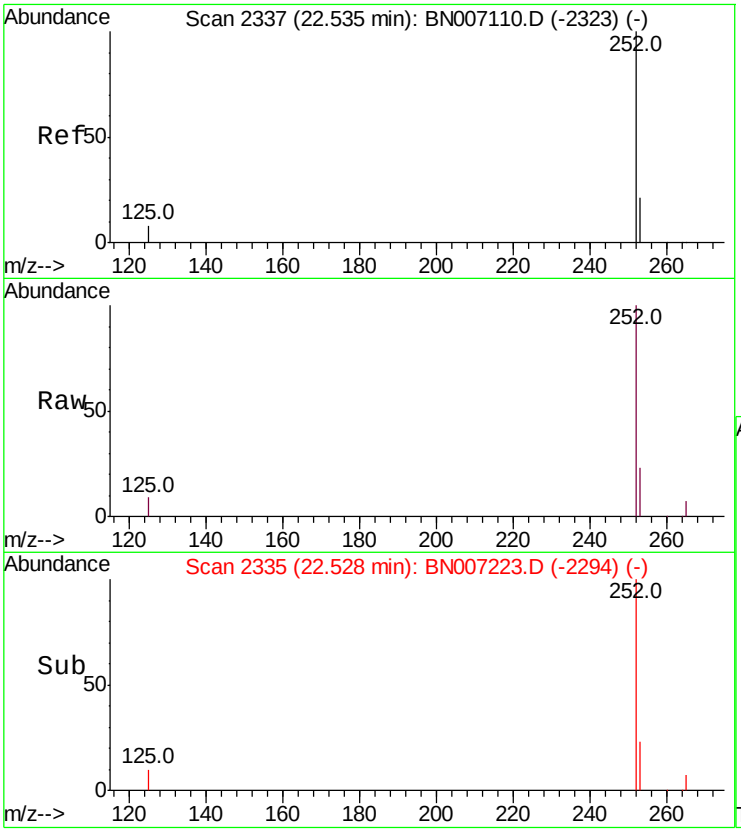


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:264 Resp: 37648

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	30.6	26.2	39.4

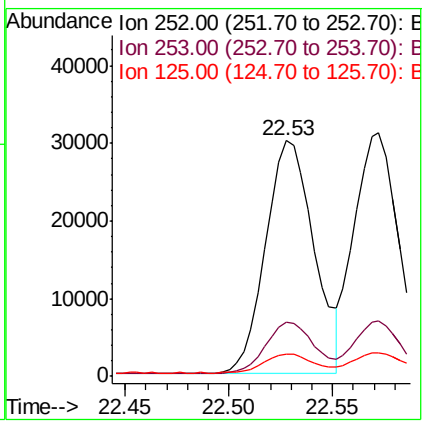




#33
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 22.53 min Scan# 2335
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

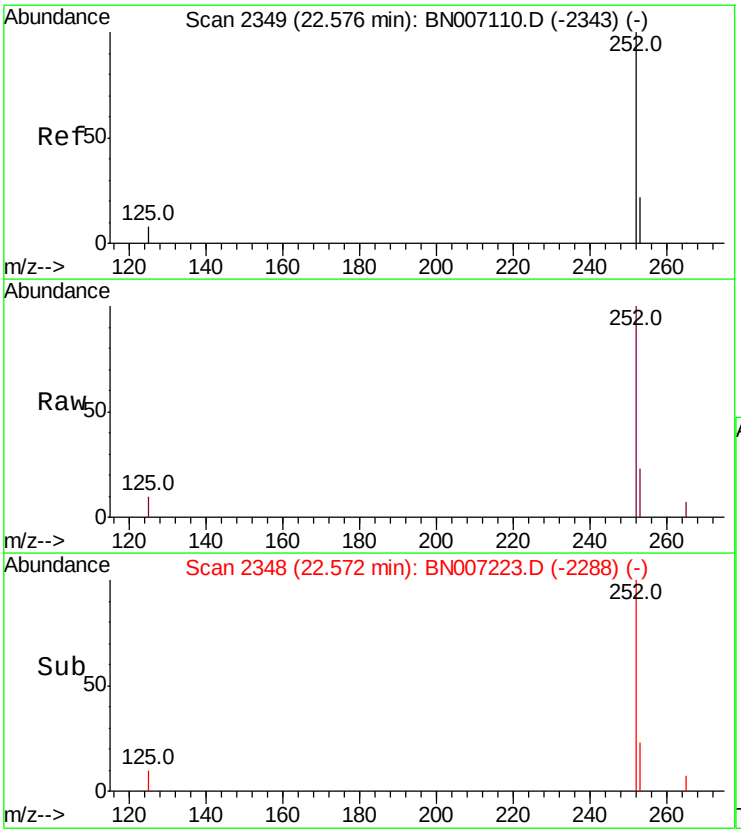
Tgt Ion:252 Resp: 48648

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.4	7.4	11.0



Instrument :
BNA_N
ClientSampleId :

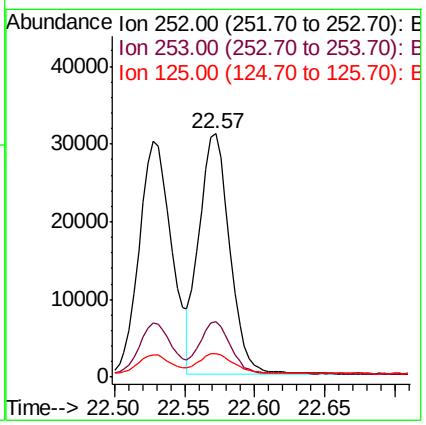
Manual Integrations APPROVED

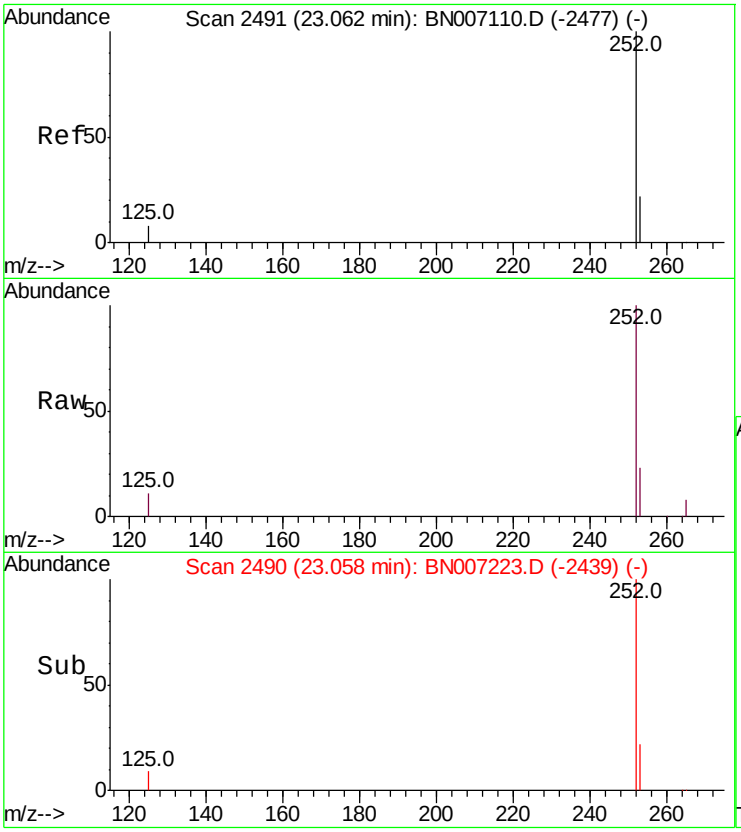


#34
Benzo(k)fluoranthene
Concen: 0.368 ng
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:252 Resp: 46910

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	9.9	7.4	11.0





#35
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:252 Resp: 45227

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	10.6	8.2	12.4

Instrument :
BNA_N
ClientSampleId :

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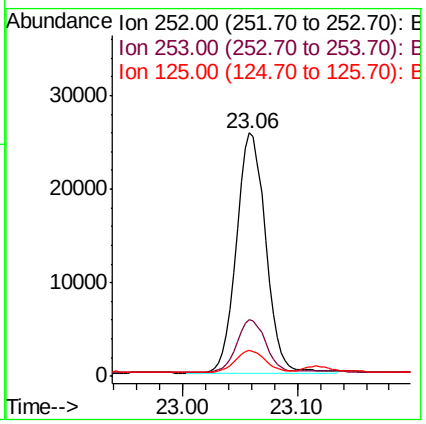
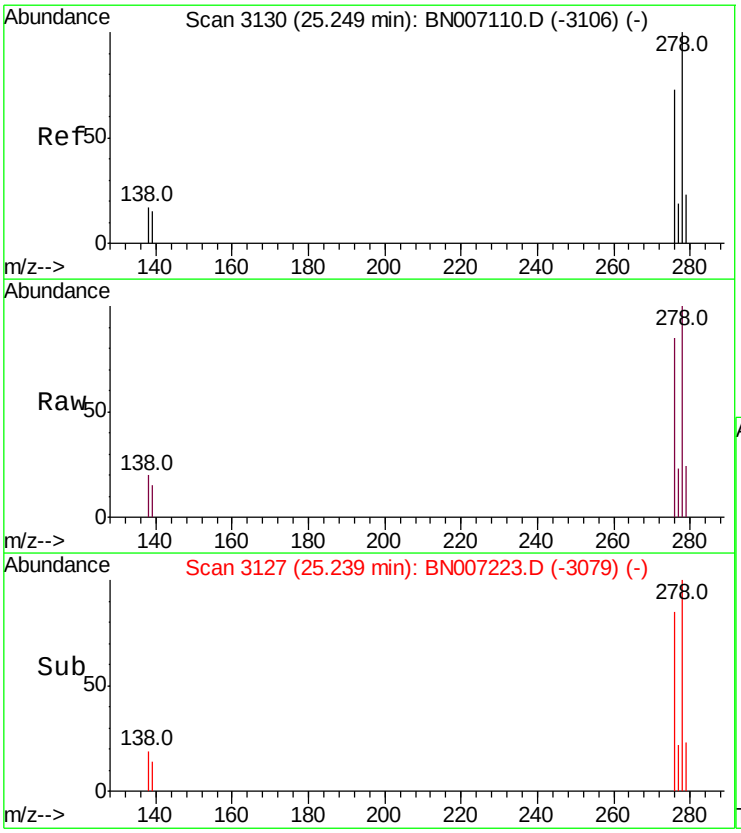
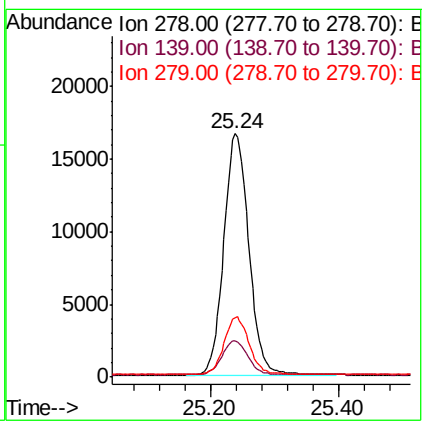


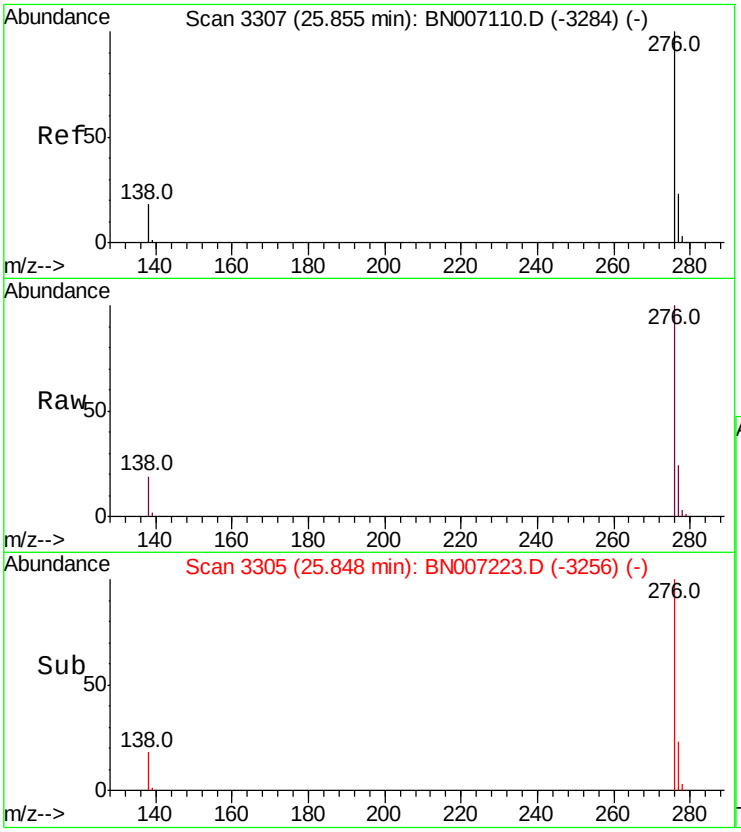


#36
Dibenzo(a,h)anthracene
Concen: 0.390 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:278 Resp: 45527

Ion	Ratio	Lower	Upper
278	100		
139	15.0	11.3	16.9
279	24.2	19.3	28.9

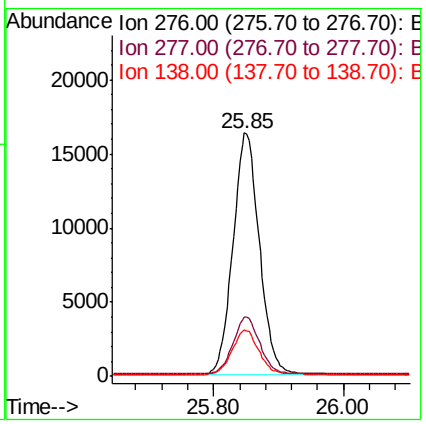




#37
Benzo(g,h,i)perylene
Concen: 0.386 ng
RT: 25.85 min Scan# 3305
Delta R.T. -0.03 min
Lab File: BN007223.D
Acq: 16 Aug 2019 15:12

Tgt Ion:276 Resp: 46343

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	18.9	14.6	22.0



Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED