Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007238.D
Acq On : 17 Aug 2019 01:27
Operator : HP/JU
Sample : K4282-13
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 19 04:09:39 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	7607	0.40	ng		-0.02
6) Naphthalene-d8	10.17	136	29841	0.40	ng		-0.01
12) Acenaphthene-d10	14.07	164	17167	0.40	ng		-0.01
18) Phenanthrene-d10	16.81	188	38891	0.40	ng		-0.01
26) Chrysene-d12	21.03	240	37494	0.40	ng		-0.02
32) Perylene-d12	23.15	264	42308	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	4691	0.26	ng		0.00
4) Phenol-d6	6.61	99	6344	0.28	ng		0.00
7) Nitrobenzene-d5	8.55	82	5305	0.22	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	10322	0.19	ng		-0.01
13) 2,4,6-Tribromophenol	15.57	330	1804	0.20	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	664	0.03	ng		0.00
24) Fluoranthene-d10	18.86	212	24583	0.18	ng		-0.01
28) Terphenyl-d14	19.48	244	16616	0.16	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	18955	0.227	ng		99
11) 2-Methylnaphthalene	11.85	142	16049	0.271	ng		96
15) Acenaphthylene	13.78	152	187686	2.092	ng		99
16) Acenaphthene	14.13	154	13567	0.236	ng		94
17) Fluorene	15.12	166	41645	0.484	ng		83
22) Phenanthrene	16.86	178	668995	5.740	ng		100
23) Anthracene	16.95	178	155631	1.461	ng		99
25) Fluoranthene	18.89	202	779749	5.230	ng		99
27) Pyrene	19.25	202	1050548	7.990	ng		98
29) Benzo(a)anthracene	21.01	228	406124m	2.962	ng		
30) Chrysene	21.07	228	538348	4.041	ng		96
31) Indeno(1,2,3-cd)pyrene	25.22	276	251561	1.713	ng		98
33) Benzo(b)fluoranthene	22.53	252	504303	3.476	ng		99
34) Benzo(k)fluoranthene	22.56	252	128908m	0.900	ng		
35) Benzo(a)pyrene	23.05	252	377508	2.870	ng		99
36) Dibenzo(a,h)anthracene	25.23	278	68939	0.525	ng	#	86
37) Benzo(g,h,i)perylene	25.85	276	286339	2.121	ng		99

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

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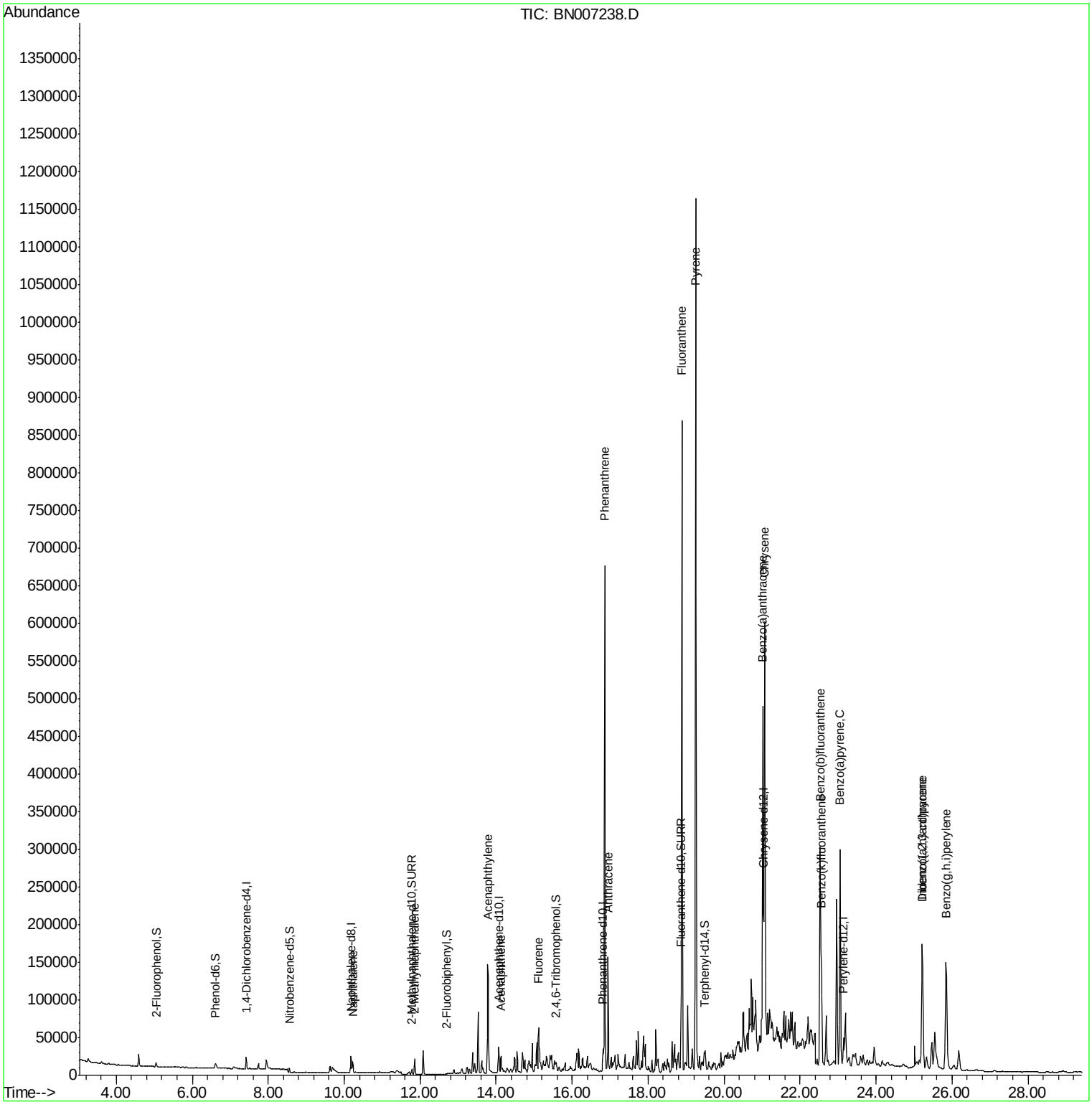
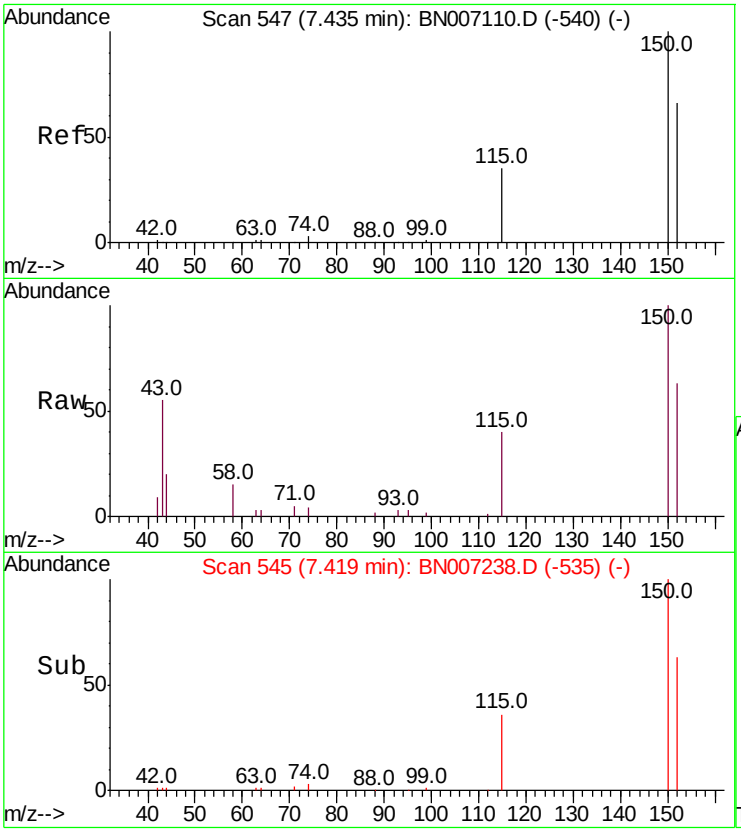
Manual Integrations APPROVED

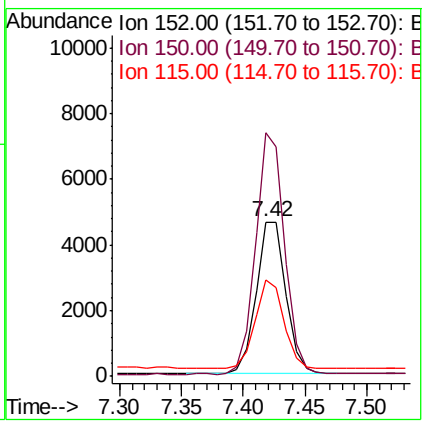




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

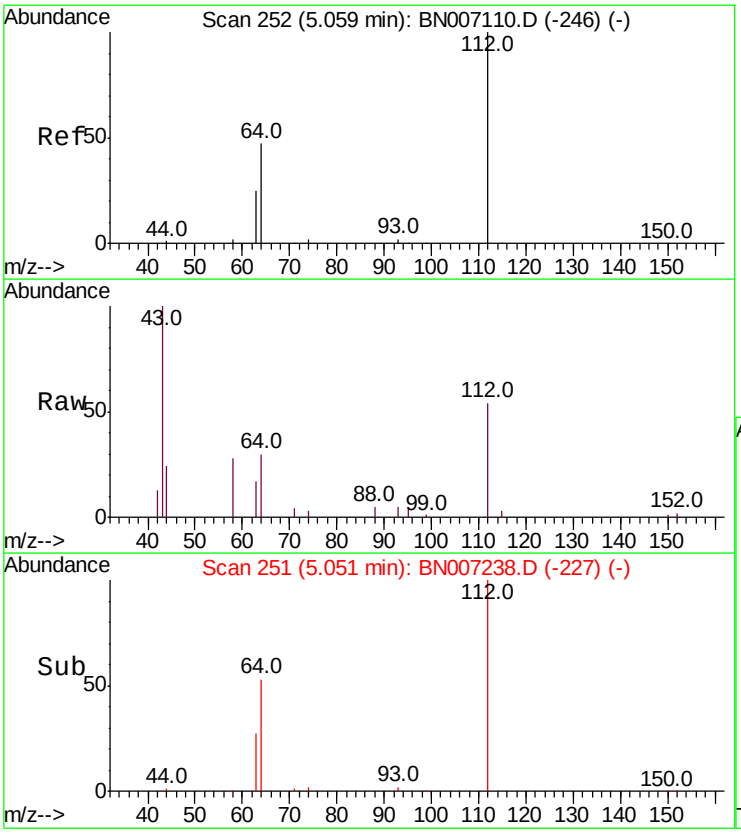
Tgt Ion:152 Resp: 7607

Ion	Ratio	Lower	Upper
152	100		
150	157.7	121.7	182.5
115	62.5	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

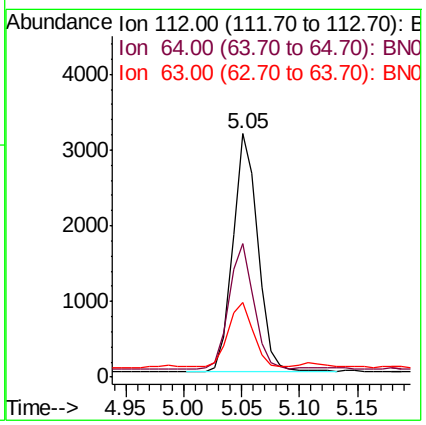
Manual Integrations APPROVED

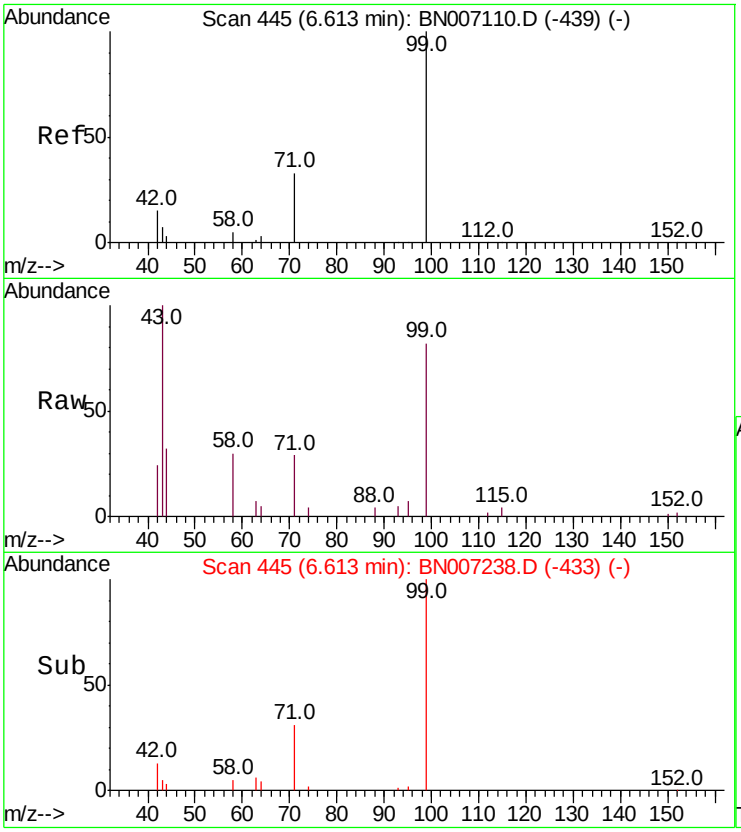


#3
2-Fluorophenol
Concen: 0.257 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:112 Resp: 4691

Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.6	63.8
63	27.7	22.2	33.2

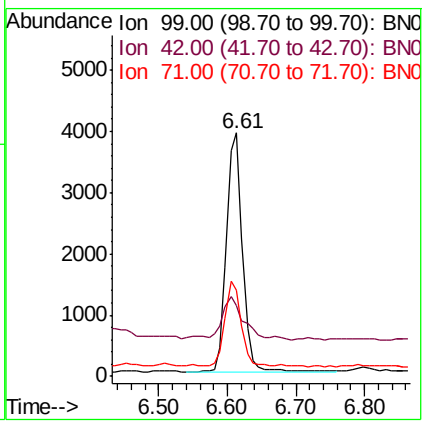




#4
Phenol-d6
Concen: 0.280 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

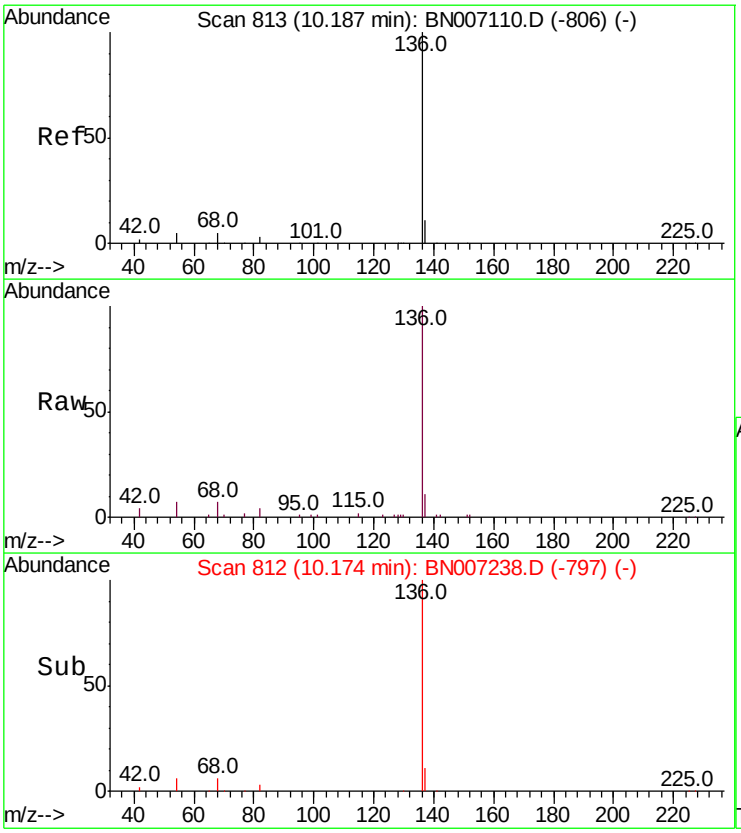
Tgt Ion: 99 Resp: 6344

Ion	Ratio	Lower	Upper
99	100		
42	22.8	15.8	23.6
71	35.6	27.0	40.4



Instrument :
BNA_N
ClientSampleId :

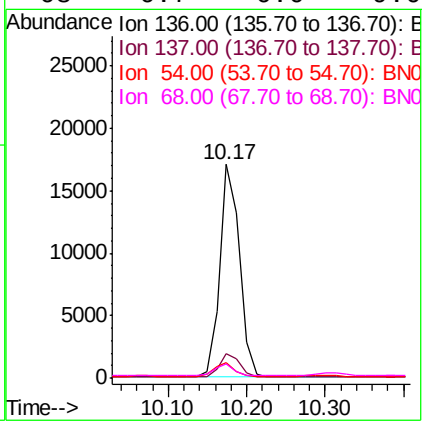
Manual Integrations APPROVED

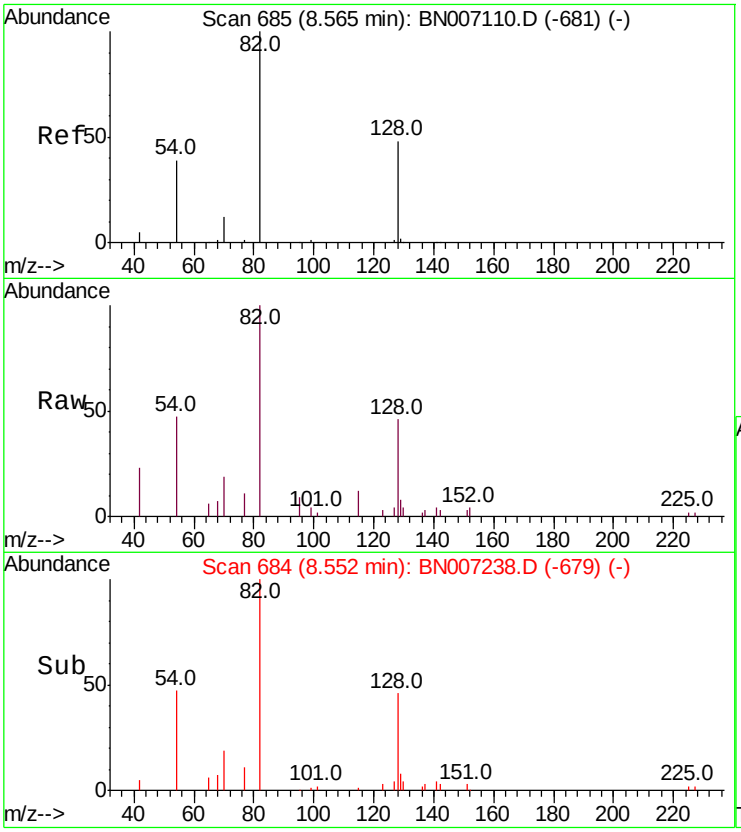


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:136 Resp: 29841

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	7.2	6.6	9.8
68	6.7	6.0	9.0

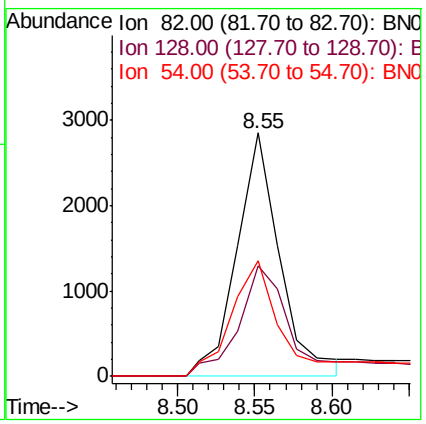




#7
Nitrobenzene-d5
Concen: 0.220 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

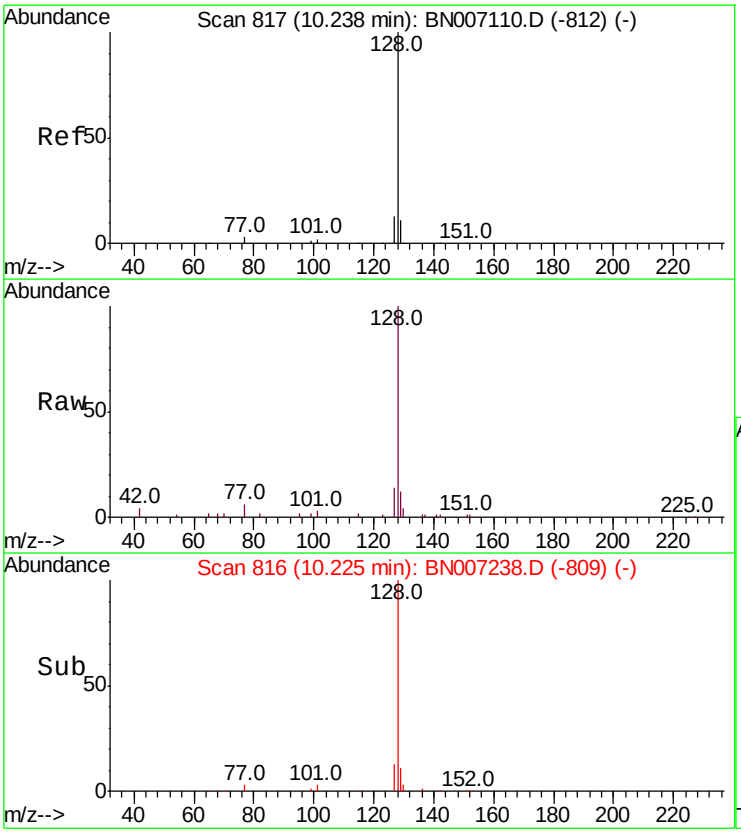
Tgt Ion: 82 Resp: 5305

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.6	51.8
54	47.3	36.2	54.4



Instrument :
BNA_N
ClientSampleId :

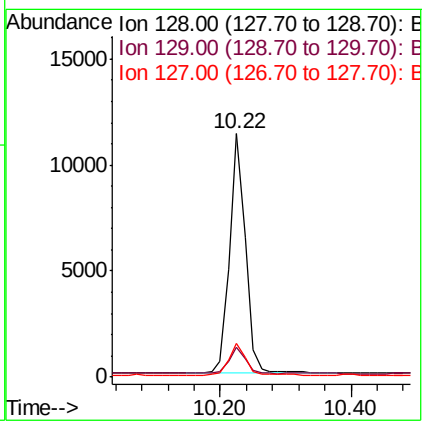
Manual Integrations APPROVED

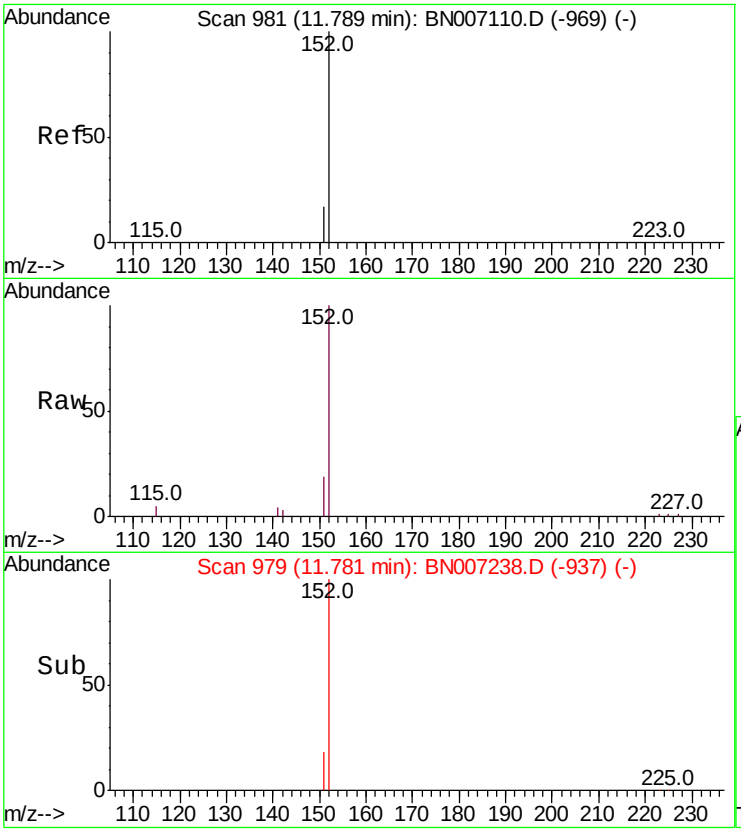


#8
Naphthalene
Concen: 0.227 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:128 Resp: 18955

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.4	14.2
127	13.8	11.0	16.6

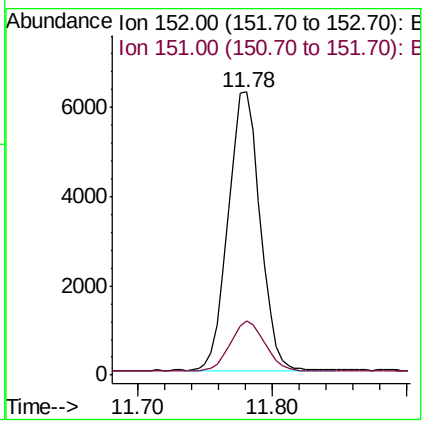




#10
2-Methylnaphthalene-d10
Concen: 0.186 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

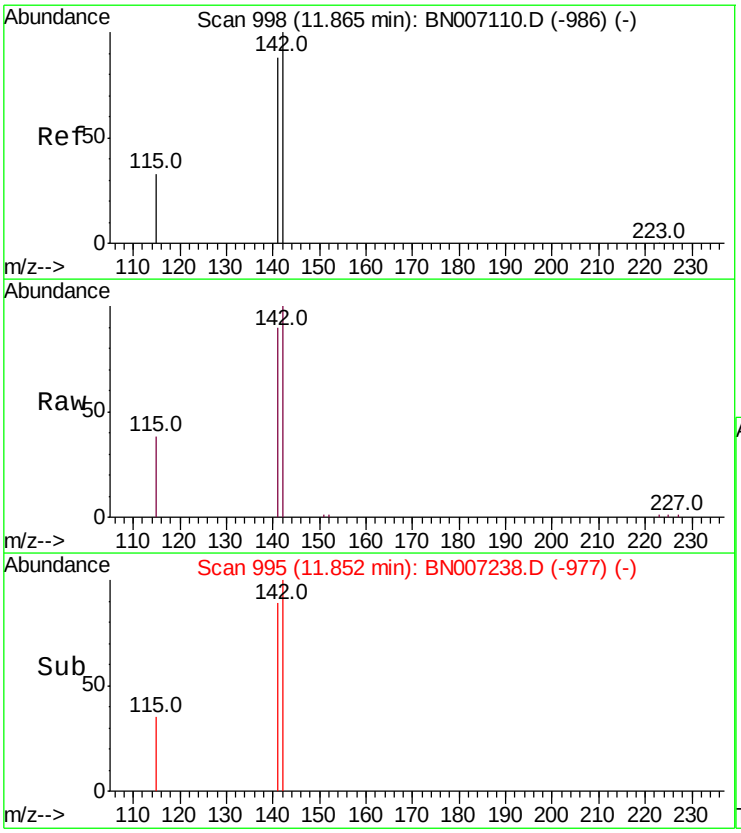
Tgt Ion:152 Resp: 10322

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3



Instrument :
BNA_N
ClientSampleId :

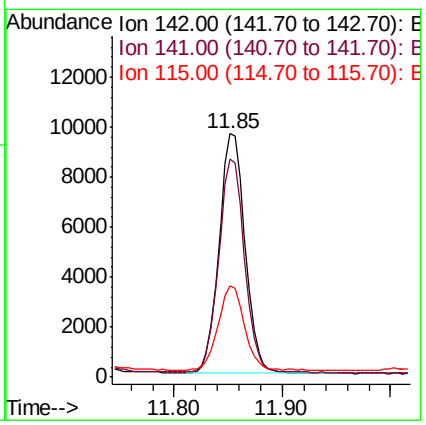
Manual Integrations APPROVED

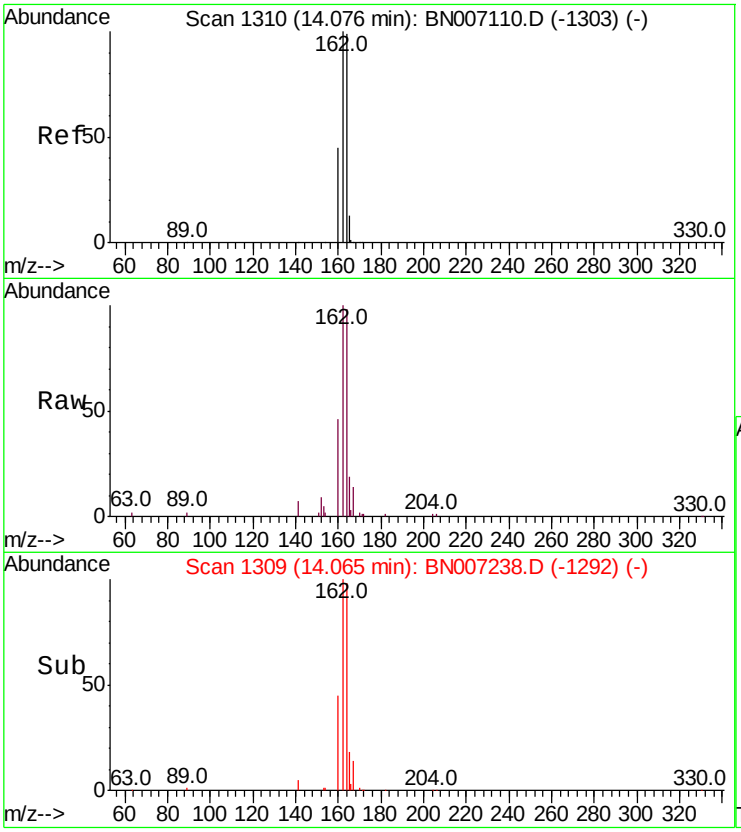


#11
2-Methylnaphthalene
Concen: 0.271 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:142 Resp: 16049

Ion	Ratio	Lower	Upper
142	100		
141	89.6	69.0	103.6
115	37.7	27.1	40.7





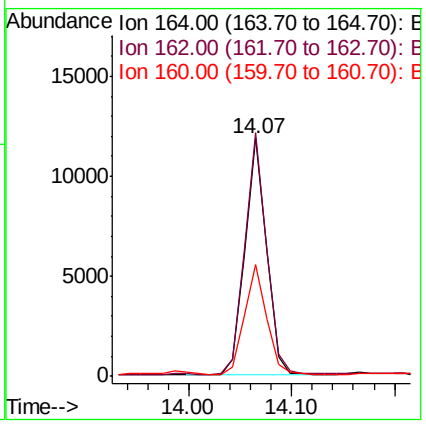
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

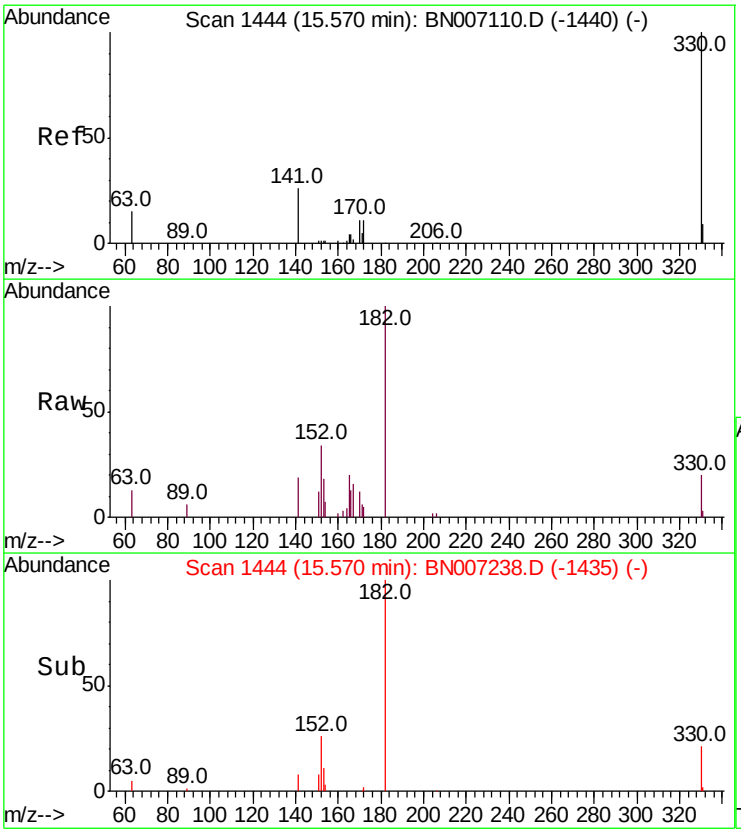
Tgt Ion:164 Resp: 17167

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	47.1	38.3	57.5

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

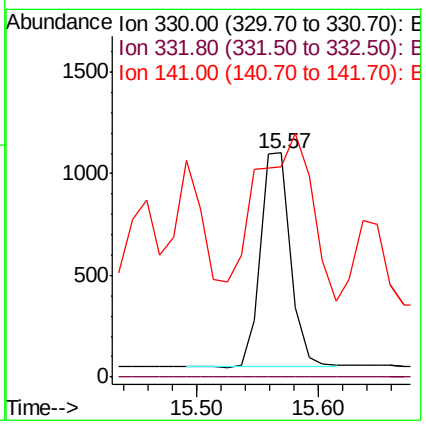


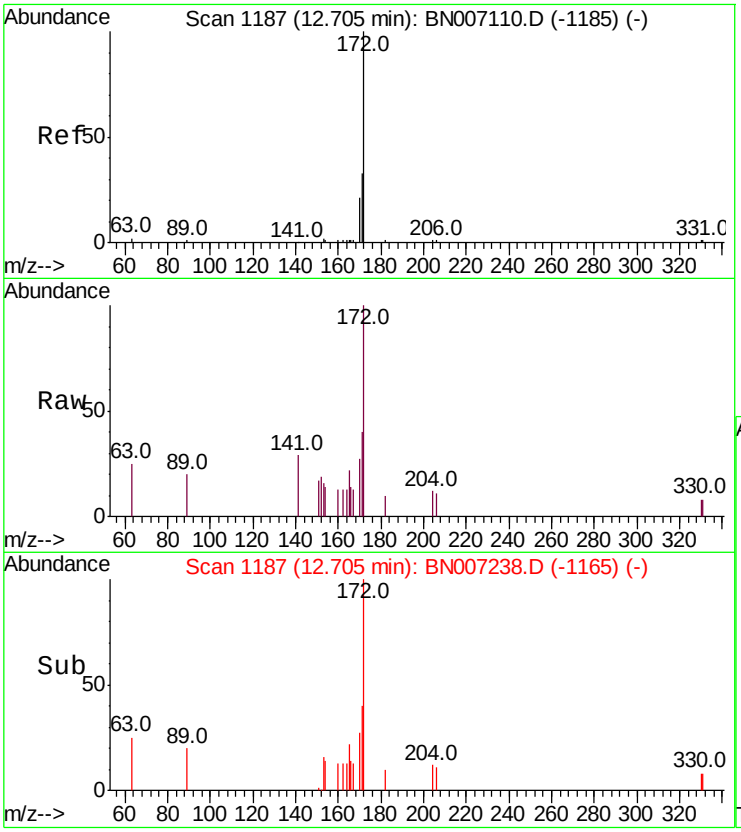


#13
2,4,6-Tribromophenol
Concen: 0.195 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:330 Resp: 1804

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	142.7	33.6	50.4#

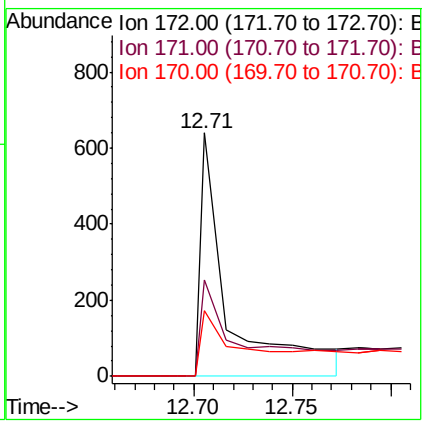




#14
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:172 Resp: 664

Ion	Ratio	Lower	Upper
172	100		
171	39.5	26.3	39.5#
170	26.9	17.0	25.4#



Instrument :
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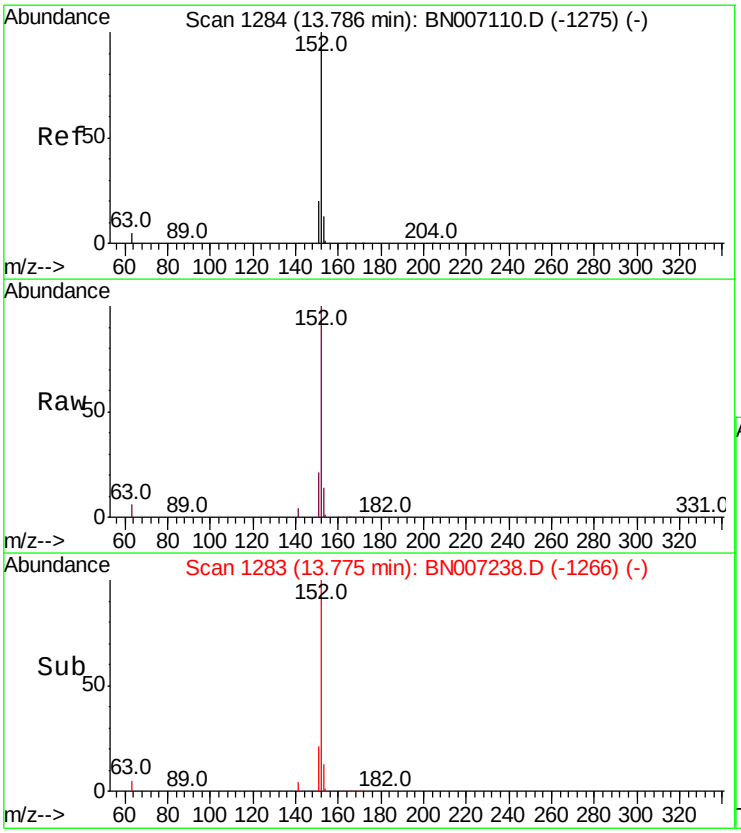
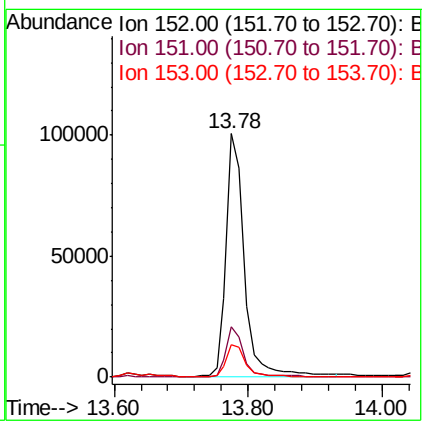
Manual Integrations APPROVED

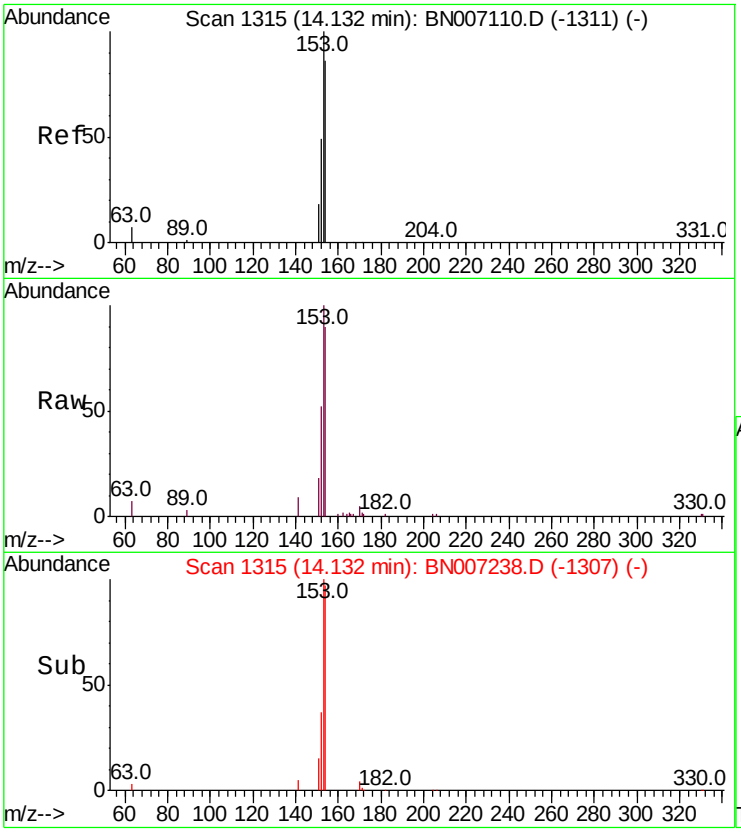


#15
Acenaphthylene
Concen: 2.092 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:152 Resp: 187686

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.7	10.4	15.6

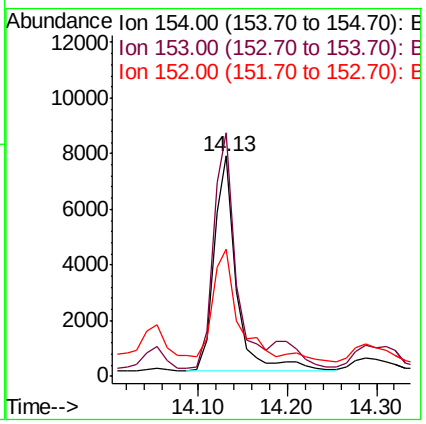




#16
Acenaphthene
Concen: 0.236 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

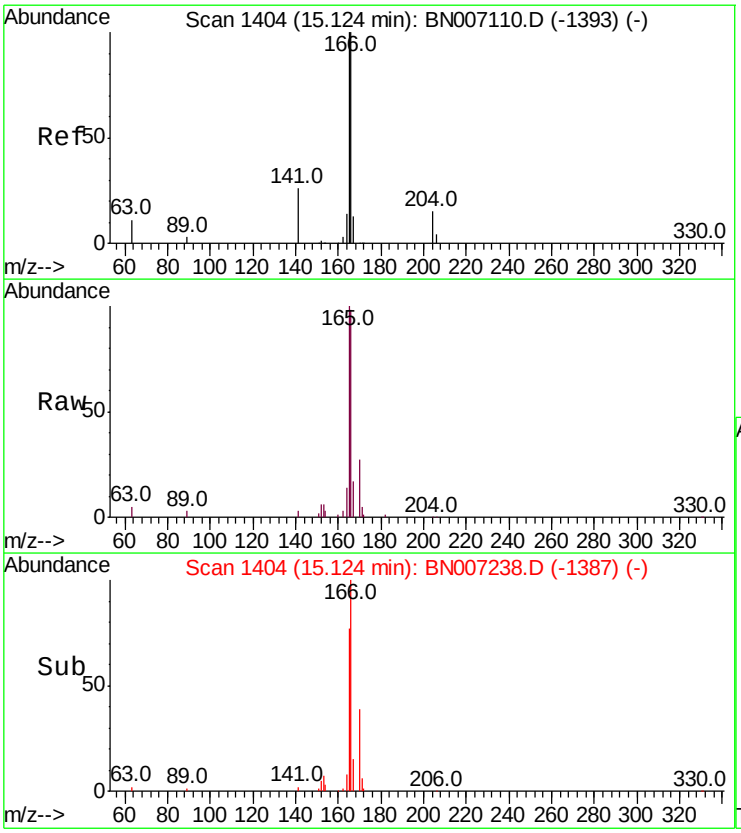
Tgt Ion:154 Resp: 13567

Ion	Ratio	Lower	Upper
154	100		
153	109.0	89.5	134.3
152	64.3	44.8	67.2



Instrument :
BNA_N
ClientSampleId :

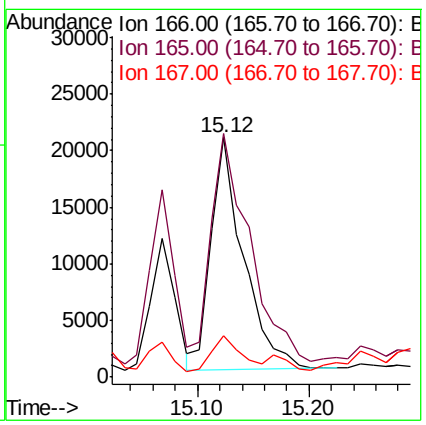
Manual Integrations APPROVED

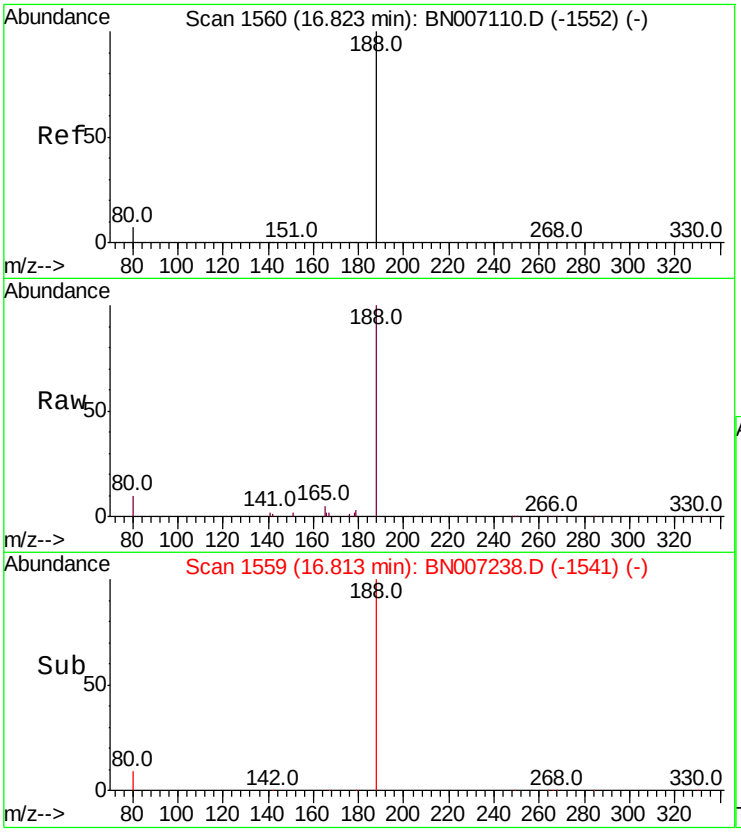


#17
Fluorene
Concen: 0.484 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:166 Resp: 41645

Ion	Ratio	Lower	Upper
166	100		
165	116.1	77.9	116.9
167	14.3	10.9	16.3

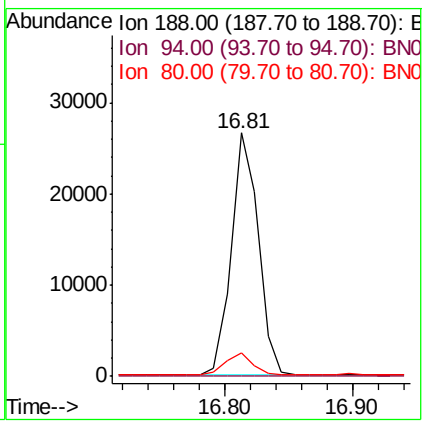




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

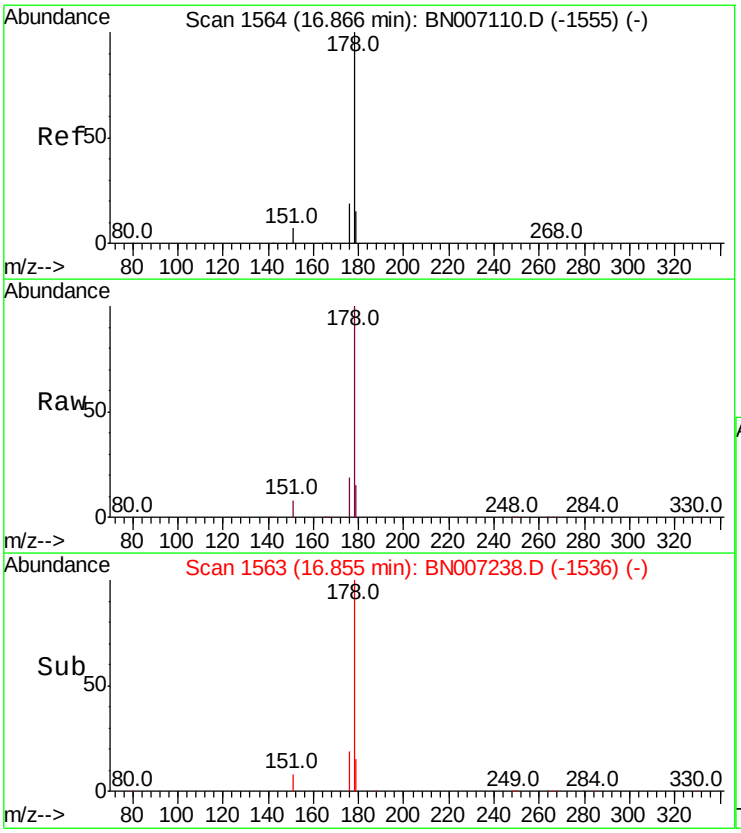
Tgt Ion:188 Resp: 38891

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



Instrument :
BNA_N
ClientSampleId :

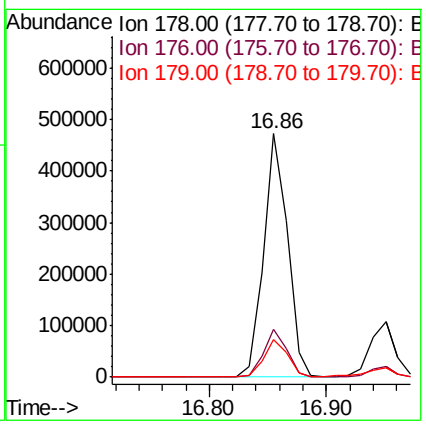
Manual Integrations APPROVED

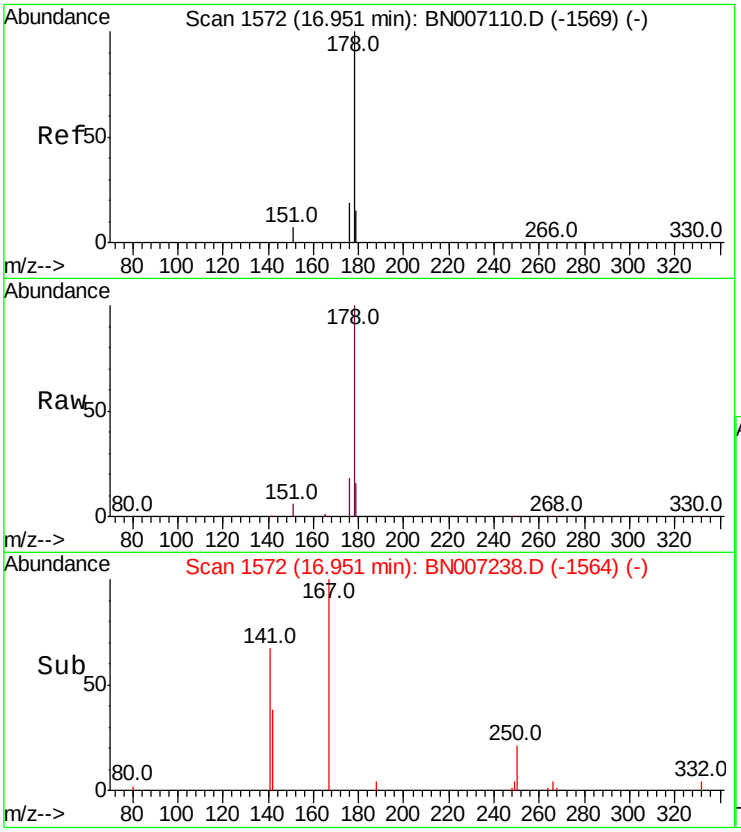


#22
Phenanthrene
Concen: 5.740 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:178 Resp: 668995

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.6	12.3	18.5

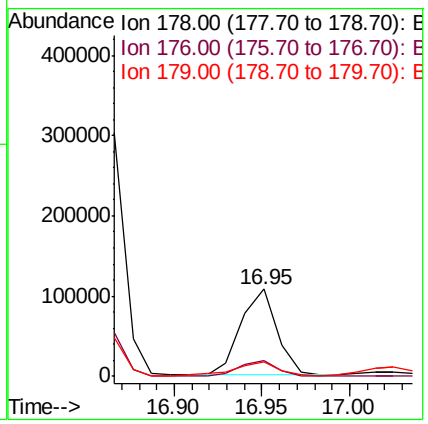




#23
Anthracene
Concen: 1.461 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

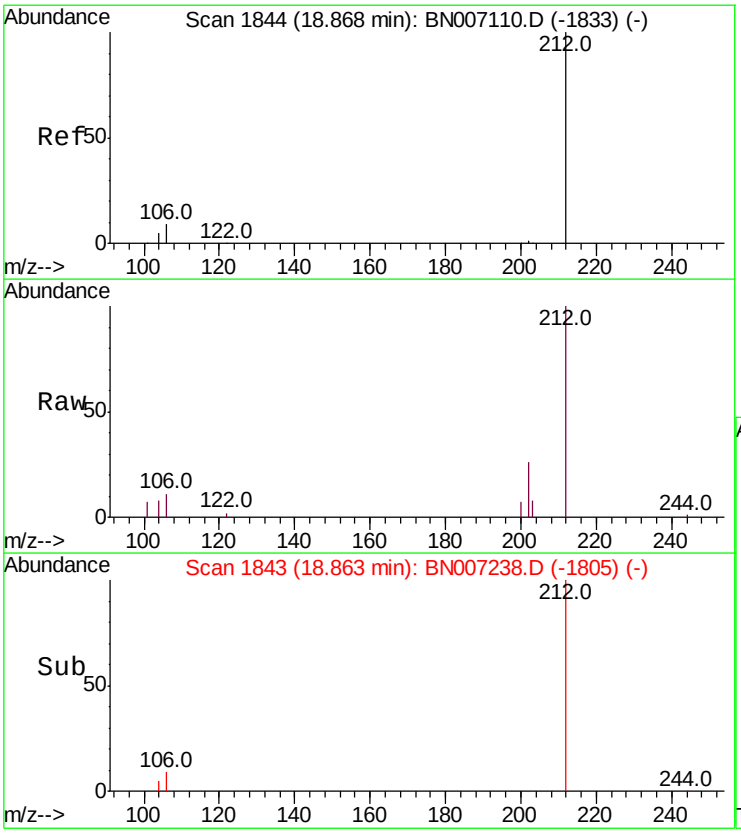
Tgt Ion:178 Resp: 155631

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.1	12.5	18.7



Instrument :
BNA_N
ClientSampleId :

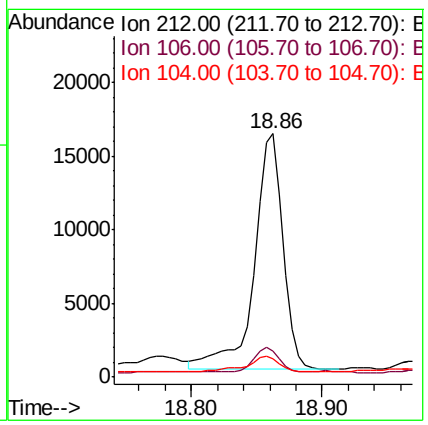
Manual Integrations APPROVED

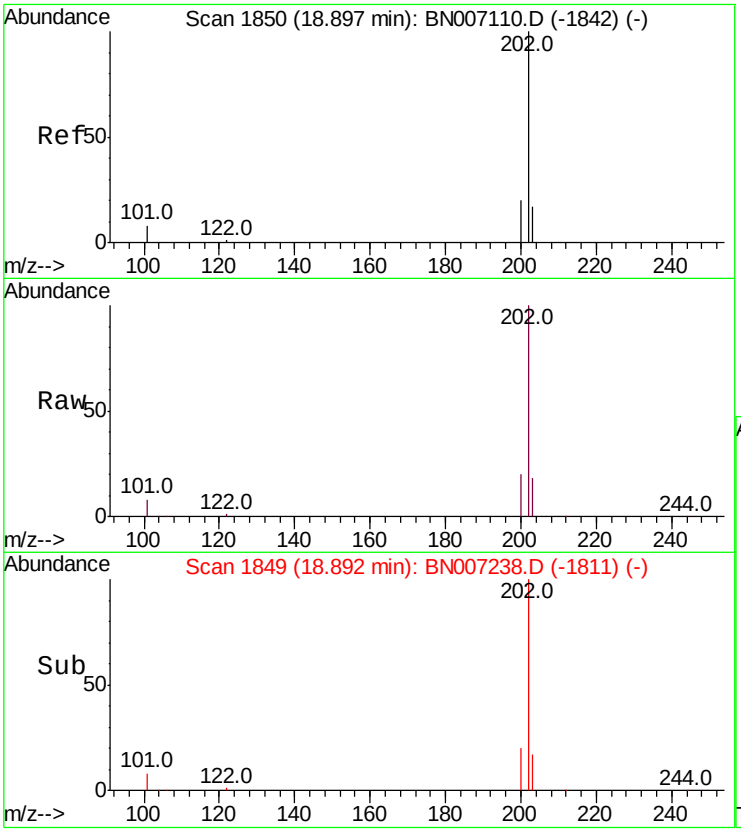


#24
Fluoranthene-d10
Concen: 0.178 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:212 Resp: 24583

Ion	Ratio	Lower	Upper
212	100		
106	9.7	8.2	12.2
104	8.0	4.5	6.7#

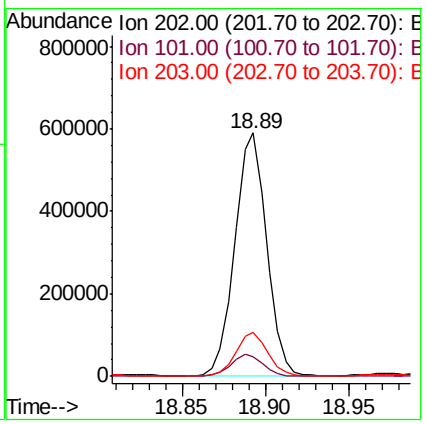




#25
Fluoranthene
Concen: 5.230 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

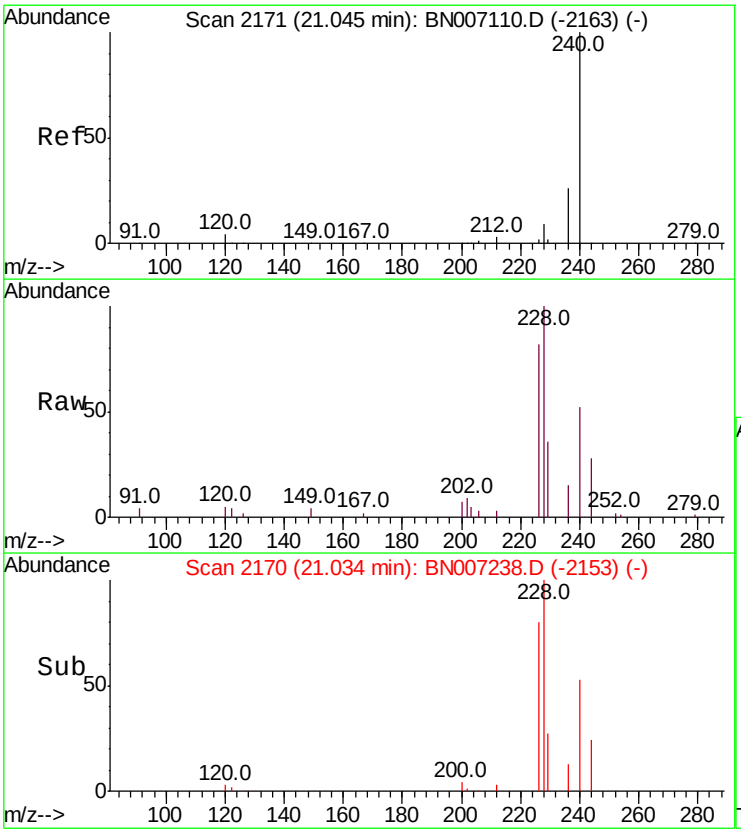
Tgt Ion:202 Resp: 779749

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8



Instrument :
BNA_N
ClientSampleId :

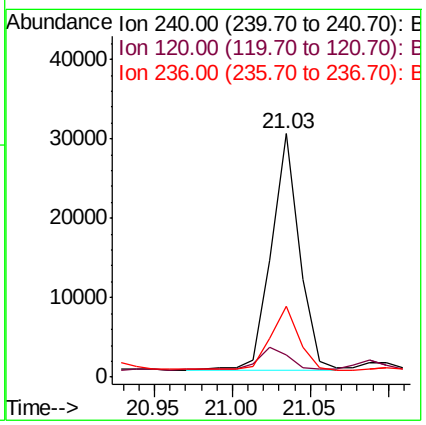
Manual Integrations APPROVED

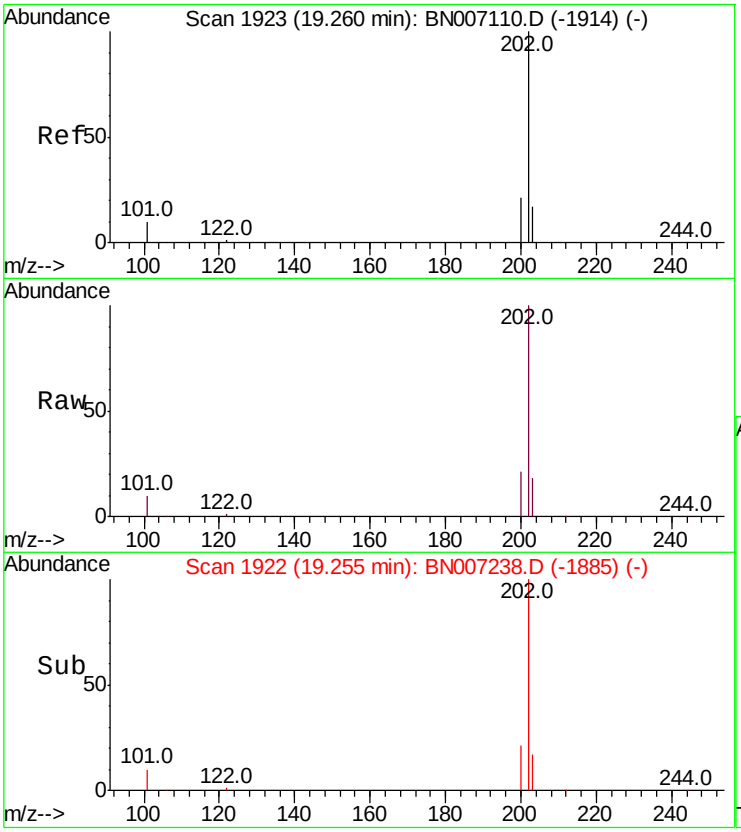


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:240 Resp: 37494

Ion	Ratio	Lower	Upper
240	100		
120	9.2	4.0	6.0#
236	29.2	21.3	31.9





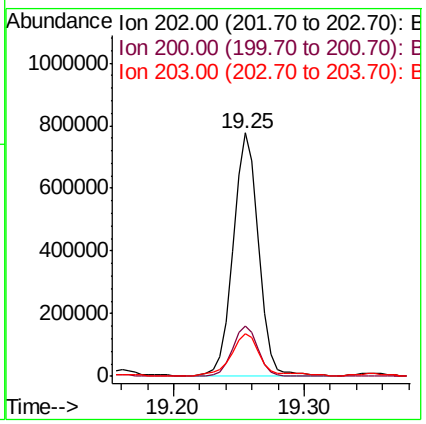
#27
Pyrene
Concen: 7.990 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

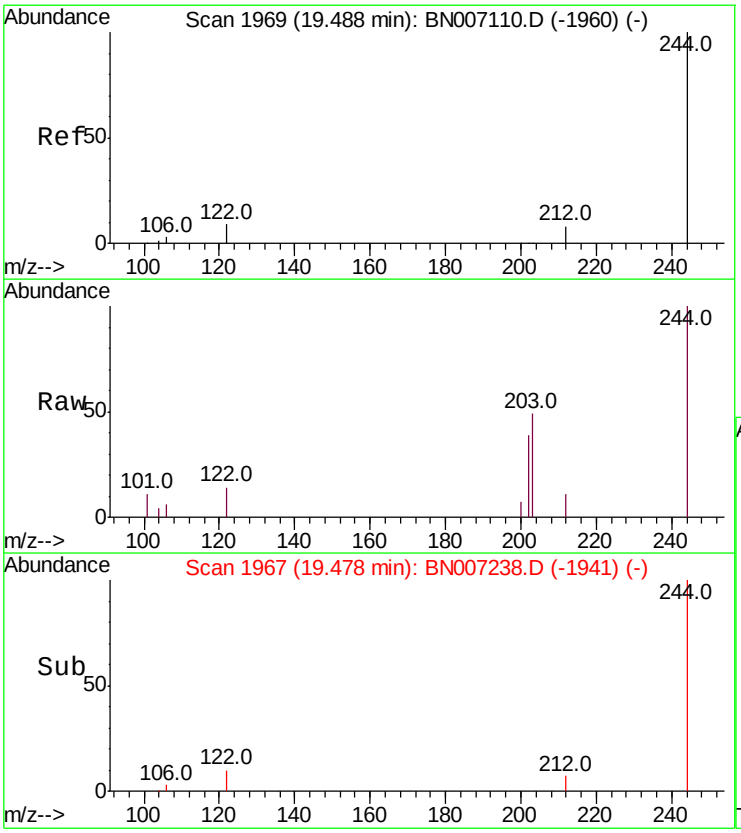
Tgt Ion:202 Resp: 1050548

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	19.1	14.0	21.0

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

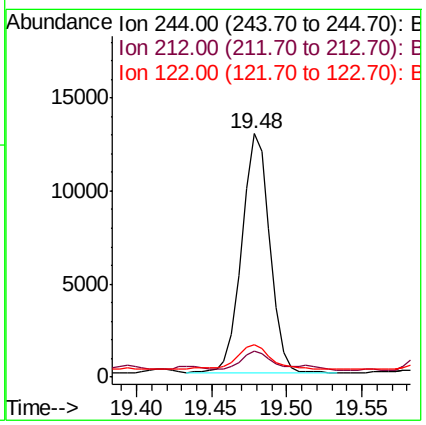


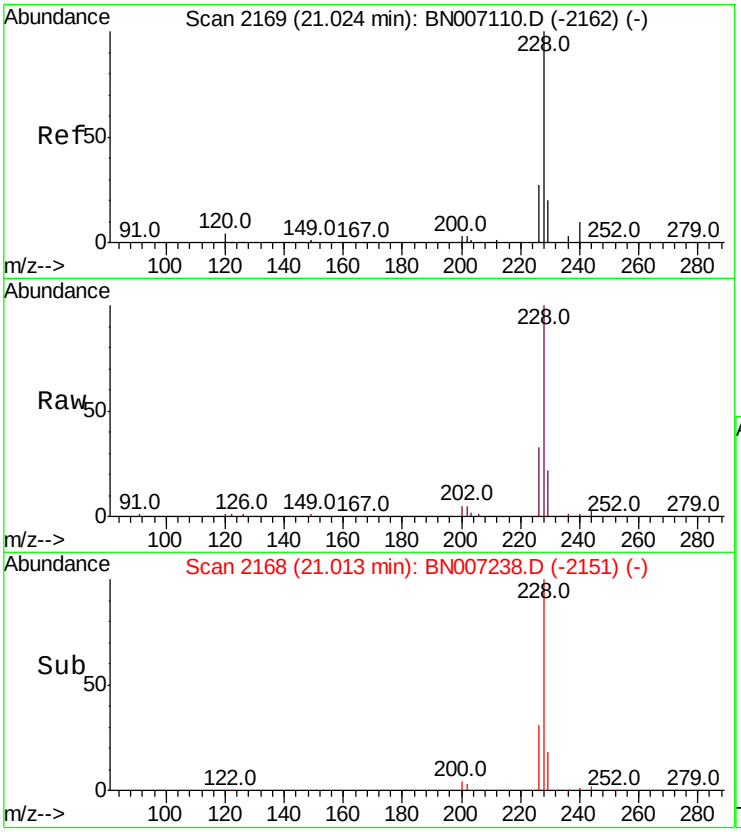


#28
Terphenyl-d14
Concen: 0.163 ng
RT: 19.48 min Scan# 1967
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:244 Resp: 16616

Ion	Ratio	Lower	Upper
244	100		
212	10.6	6.2	9.2#
122	13.6	7.4	11.2#





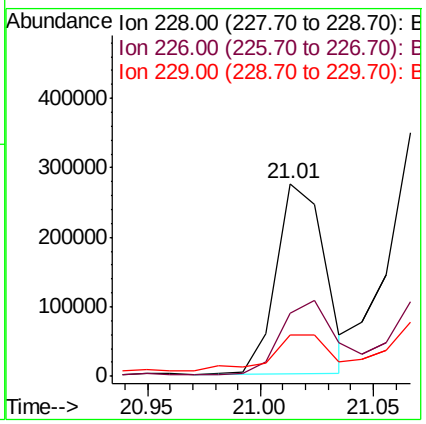
#29
Benzo(a)anthracene
Concen: 2.962 ng m
RT: 21.01 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

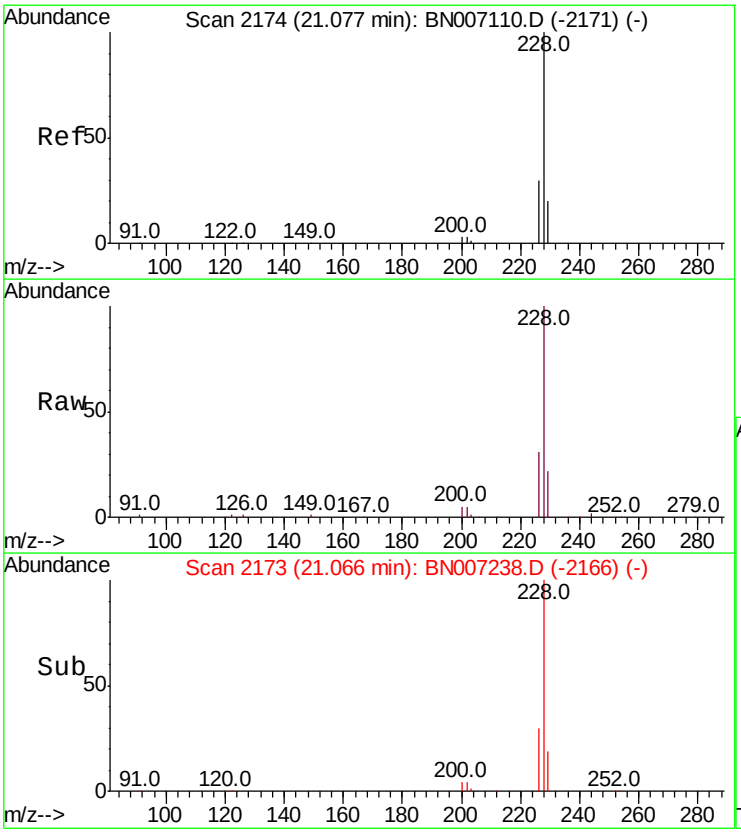
Tgt Ion:228 Resp: 406124

Ion	Ratio	Lower	Upper
228	100		
226	33.0	21.8	32.6#
229	21.8	15.6	23.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

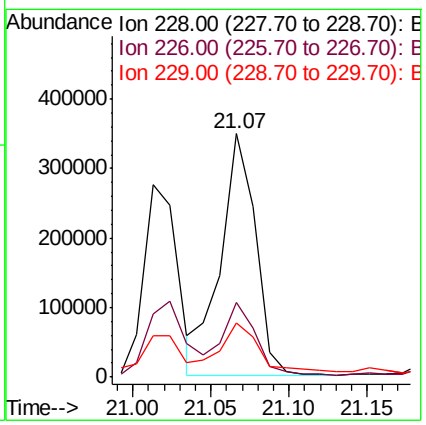


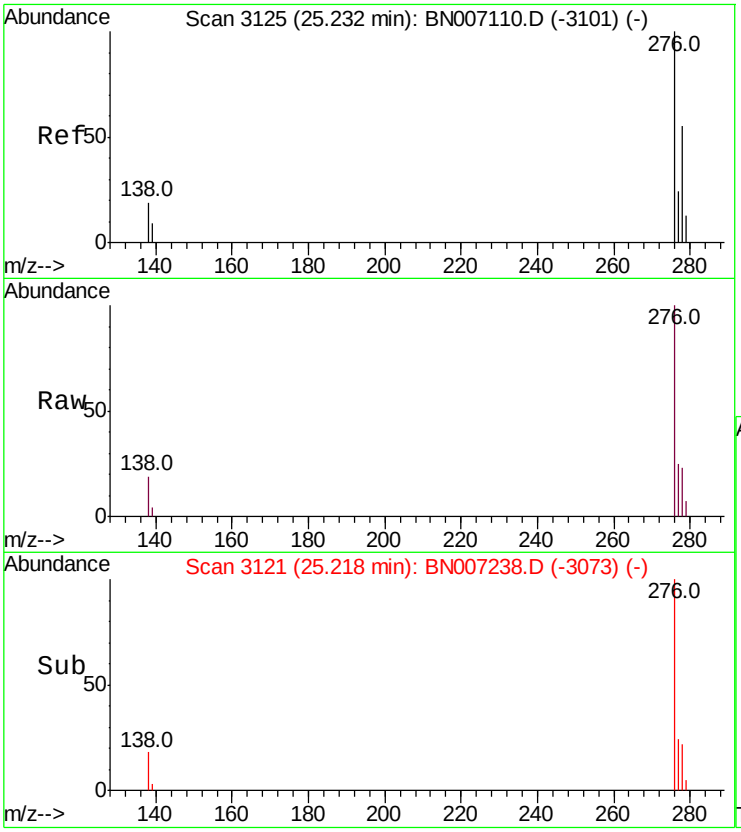


#30
Chrysene
Concen: 4.041 ng
RT: 21.07 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:228 Resp: 538348

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	22.1	15.7	23.5

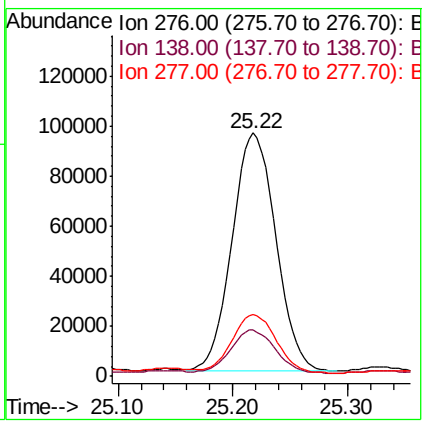




#31
Indeno(1,2,3-cd)pyrene
Concen: 1.713 ng
RT: 25.22 min Scan# 3121
Delta R.T. -0.03 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

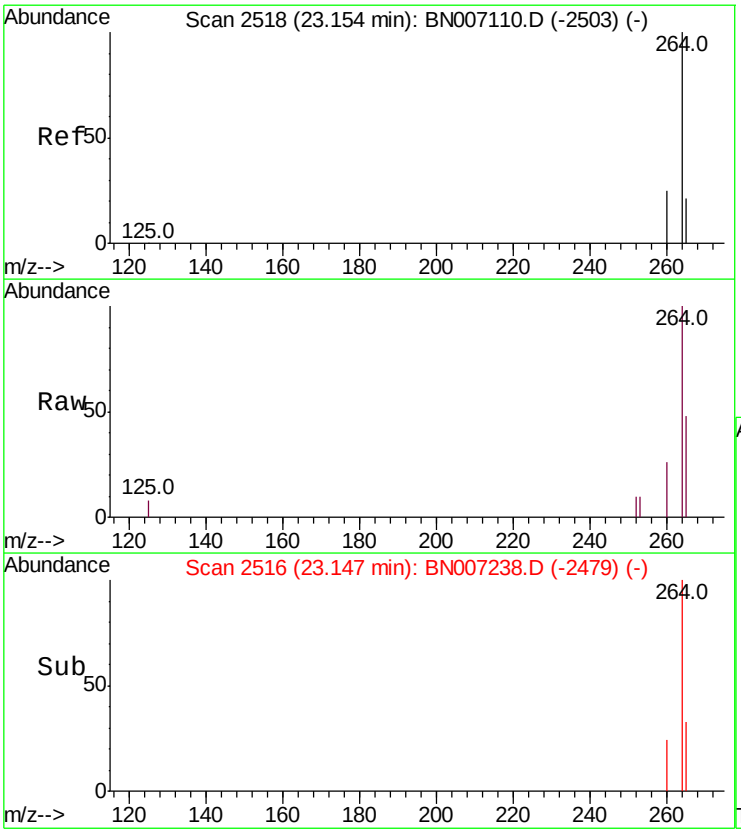
Tgt Ion:276 Resp: 251561

Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0
277	25.1	19.9	29.9



Instrument :
BNA_N
ClientSampleId :

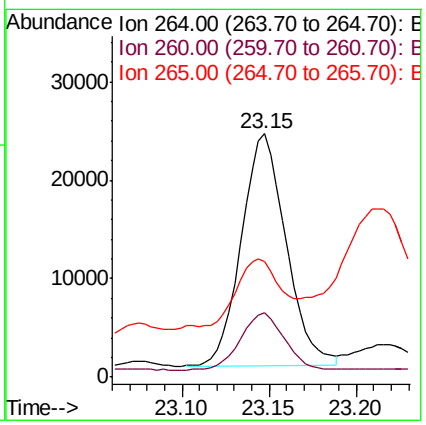
Manual Integrations APPROVED

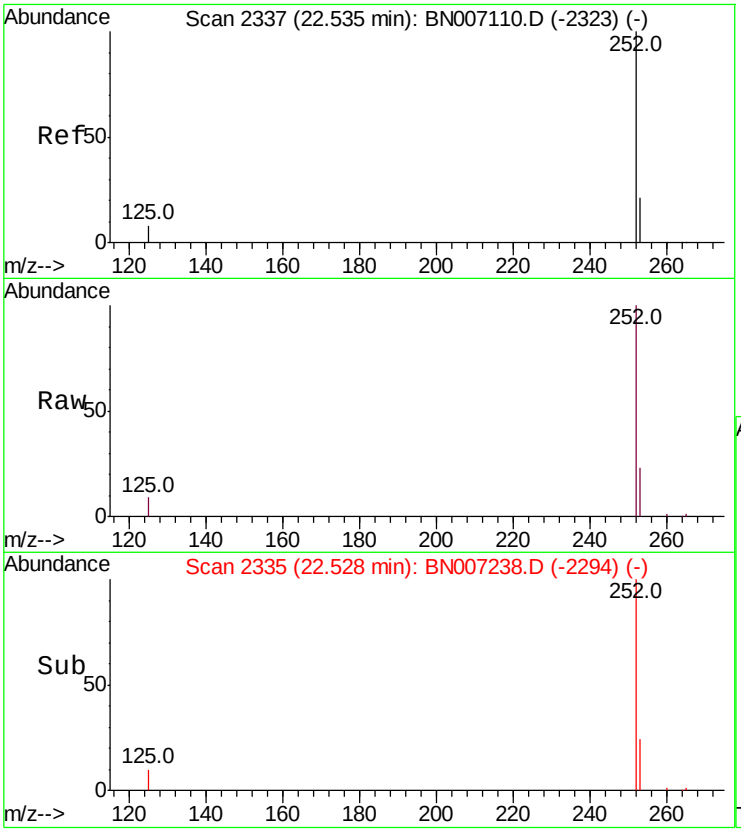


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2516
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:264 Resp: 42308

Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.8	29.8
265	47.5	26.2	39.4#

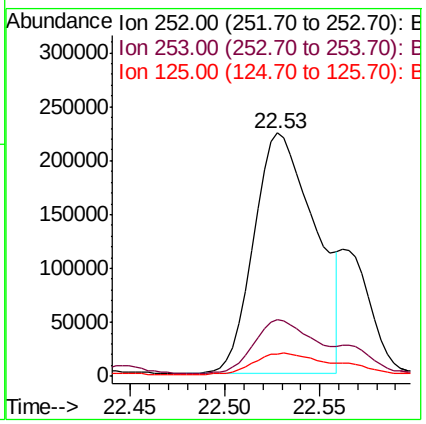




#33
Benzo(b)fluoranthene
Concen: 3.476 ng
RT: 22.53 min Scan# 2335
Delta R.T. -0.02 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

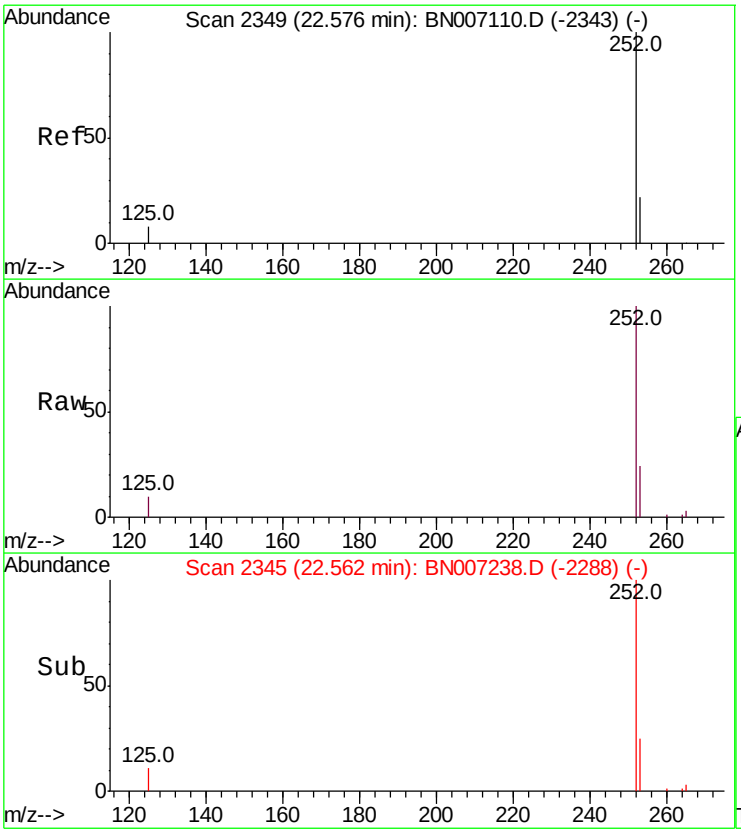
Tgt Ion:252 Resp: 504303

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.4	7.4	11.0



Instrument :
BNA_N
ClientSampleId :

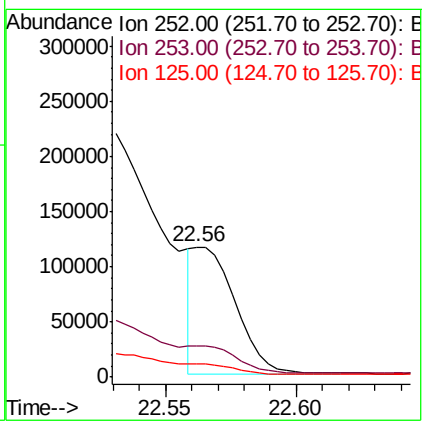
Manual Integrations APPROVED

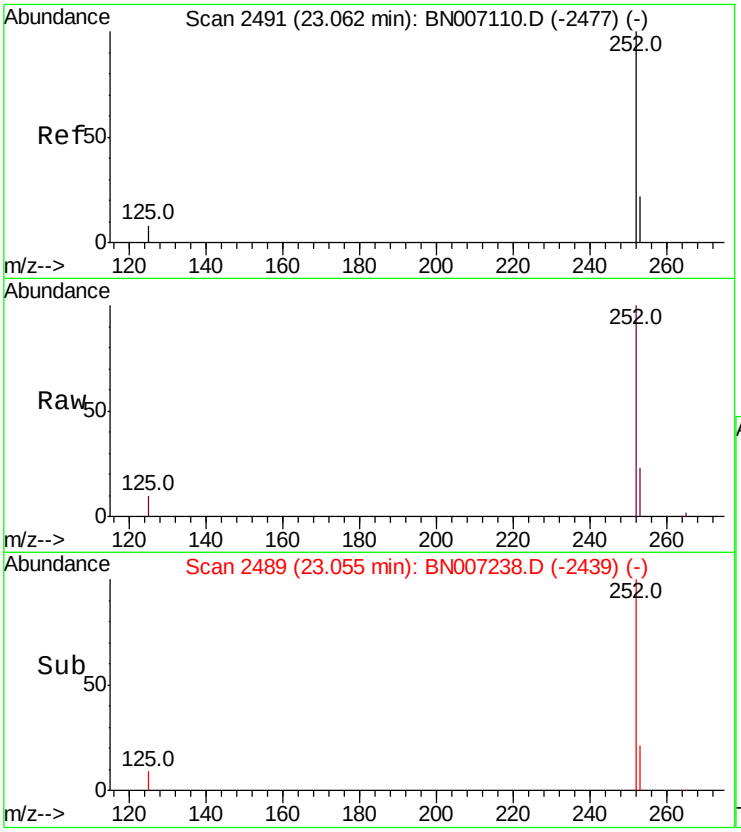


#34
Benzo(k)fluoranthene
Concen: 0.900 ng m
RT: 22.56 min Scan# 2345
Delta R.T. -0.03 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:252 Resp: 128908

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	10.1	7.4	11.0





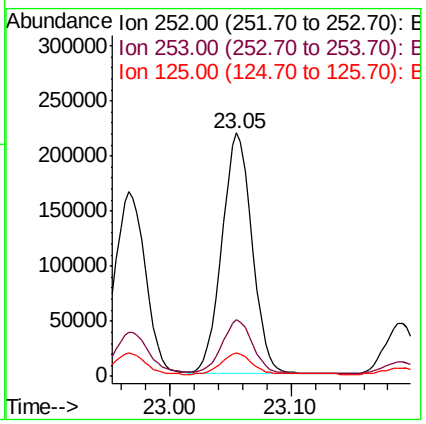
#35
Benzo(a)pyrene
Concen: 2.870 ng
RT: 23.05 min Scan# 2489
Delta R.T. -0.03 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

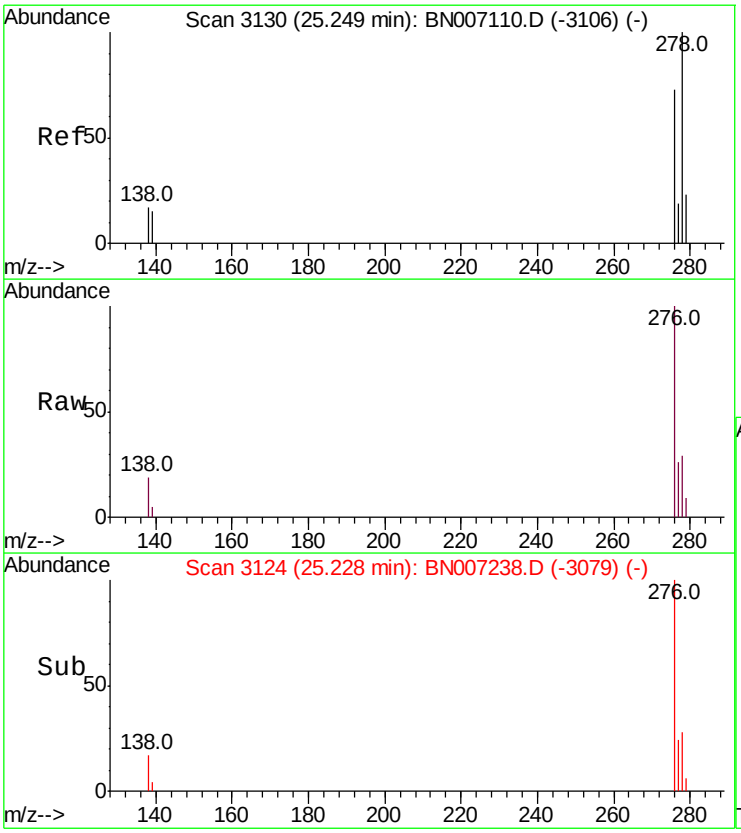
Tgt Ion:252 Resp: 377508

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	9.6	8.2	12.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

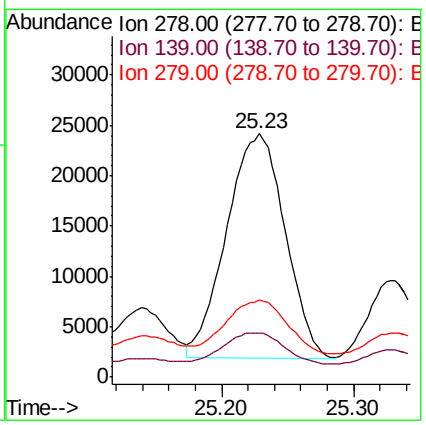


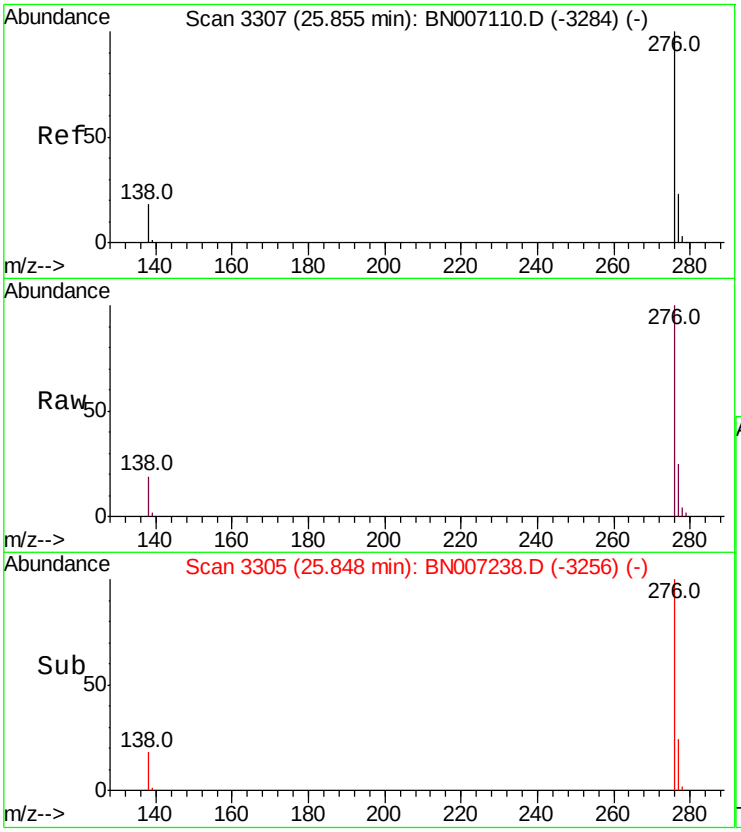


#36
Dibenzo(a,h)anthracene
Concen: 0.525 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.04 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:278 Resp: 68939

Ion	Ratio	Lower	Upper
278	100		
139	18.2	11.3	16.9#
279	31.9	19.3	28.9#

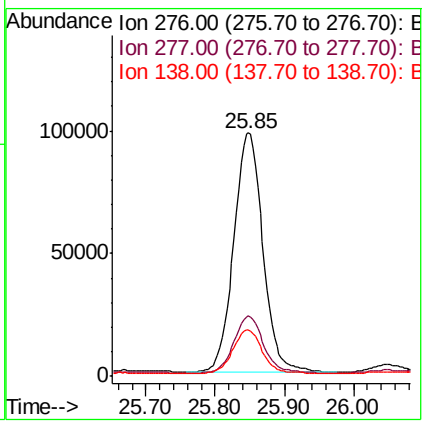




#37
Benzo(g,h,i)perylene
Concen: 2.121 ng
RT: 25.85 min Scan# 3305
Delta R.T. -0.03 min
Lab File: BN007238.D
Acq: 17 Aug 2019 01:27

Tgt Ion:276 Resp: 286339

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.2	14.6	22.0



Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED