Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007225.D
Acq On : 16 Aug 2019 16:25
Operator : HP/JU
Sample : K4282-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 17 01:44:17 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	7477	0.40	ng		-0.02
6) Naphthalene-d8	10.17	136	28427	0.40	ng		-0.01
12) Acenaphthene-d10	14.07	164	17194	0.40	ng		-0.01
18) Phenanthrene-d10	16.81	188	39192	0.40	ng		-0.01
26) Chrysene-d12	21.03	240	39891	0.40	ng		-0.02
32) Perylene-d12	23.15	264	43628	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	4488	0.25	ng		0.00
4) Phenol-d6	6.61	99	6168	0.28	ng		0.00
7) Nitrobenzene-d5	8.55	82	7049	0.31	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	12013	0.23	ng		-0.02
13) 2,4,6-Tribromophenol	15.56	330	1779	0.19	ng		-0.01
14) 2-Fluorobiphenyl	12.71	172	700	0.03	ng		0.00
24) Fluoranthene-d10	18.86	212	30287	0.22	ng		-0.01
28) Terphenyl-d14	19.48	244	22762	0.21	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.23	128	19280	0.242	ng		99
11) 2-Methylnaphthalene	11.85	142	16265	0.288	ng		97
15) Acenaphthylene	13.78	152	89603	0.997	ng		98
16) Acenaphthene	14.13	154	6981	0.121	ng	#	88
17) Fluorene	15.12	166	20059	0.233	ng	#	74
22) Phenanthrene	16.86	178	462368	3.937	ng		99
23) Anthracene	16.95	178	72948	0.680	ng		98
25) Fluoranthene	18.89	202	603867	4.019	ng		98
27) Pyrene	19.25	202	790728	5.652	ng		98
29) Benzo(a)anthracene	21.02	228	340360	2.333	ng	#	84
30) Chrysene	21.08	228	529372	3.735	ng	#	95
31) Indeno(1,2,3-cd)pyrene	25.22	276	212726	1.362	ng		99
33) Benzo(b)fluoranthene	22.53	252	466944	3.121	ng		99
34) Benzo(k)fluoranthene	22.57	252	118023m	0.799	ng		
35) Benzo(a)pyrene	23.06	252	319866	2.358	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	69031	0.510	ng	#	75
37) Benzo(g,h,i)perylene	25.85	276	241050	1.732	ng	#	70

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

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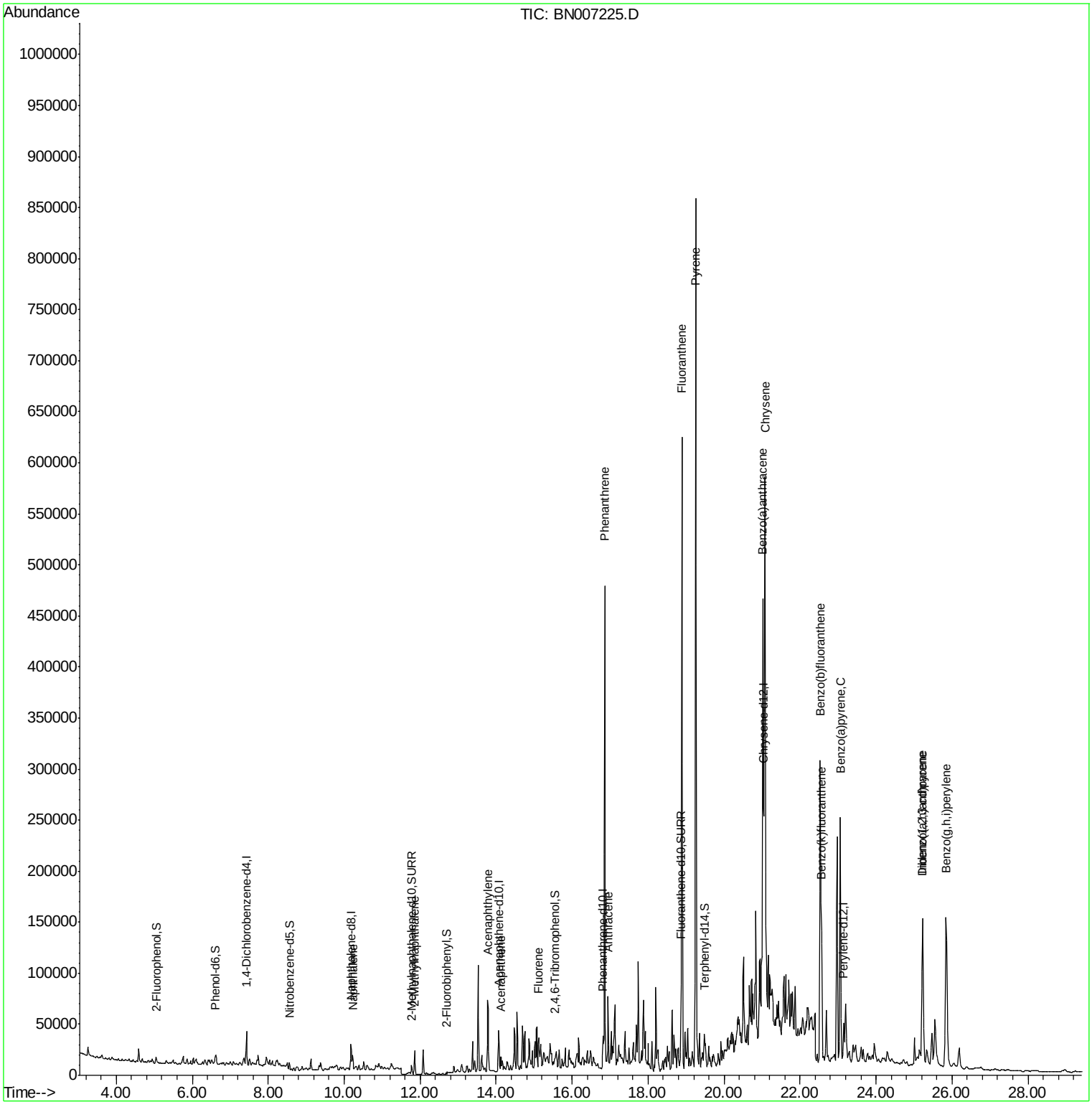
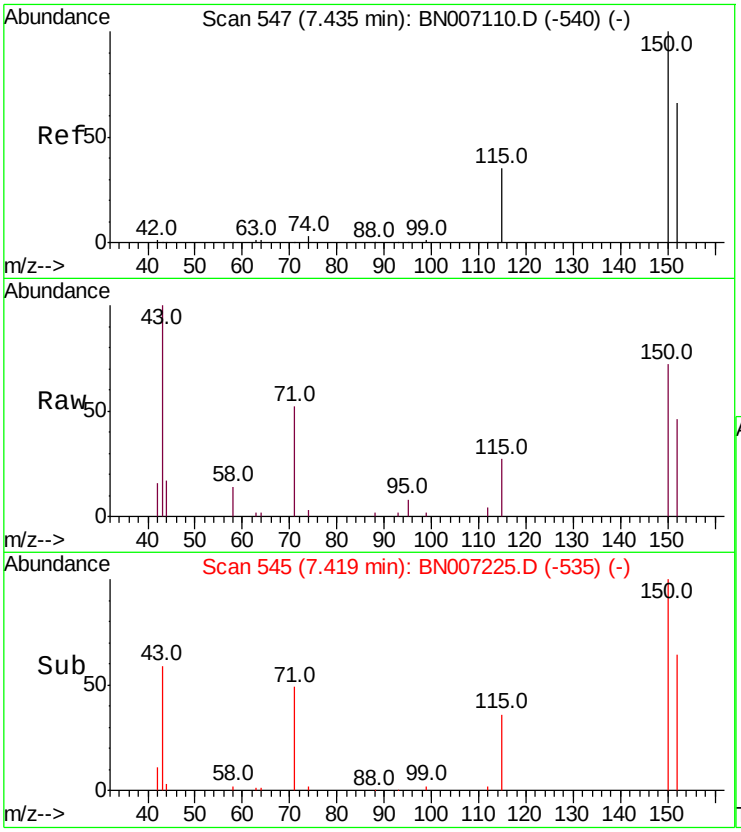
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

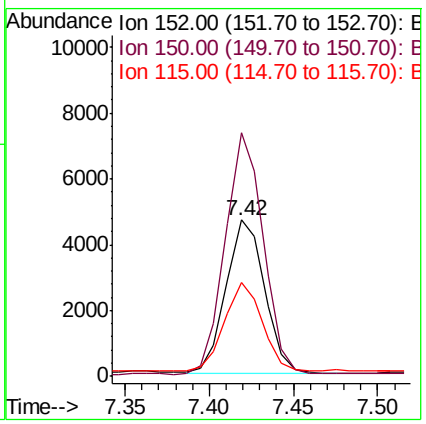




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

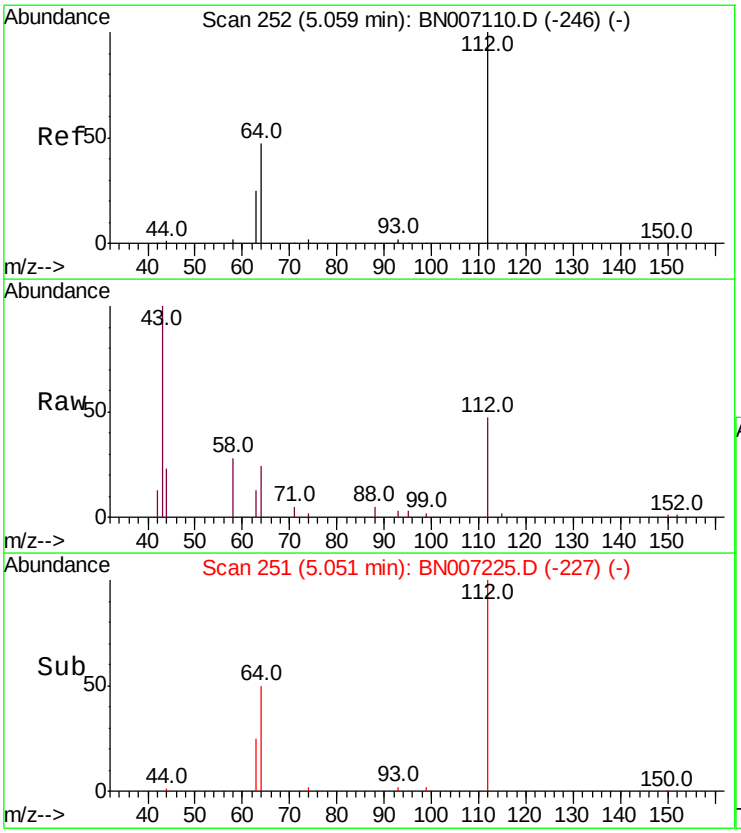
Tgt Ion:152 Resp: 7477

Ion	Ratio	Lower	Upper
152	100		
150	155.6	121.7	182.5
115	59.7	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

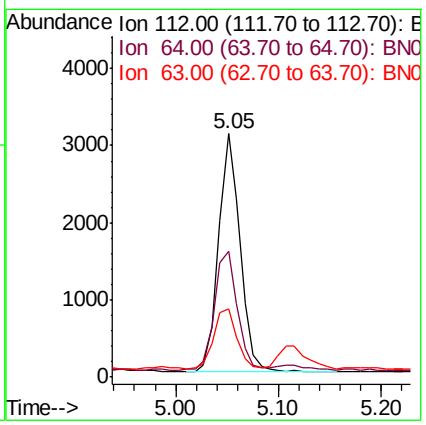
Manual Integrations APPROVED

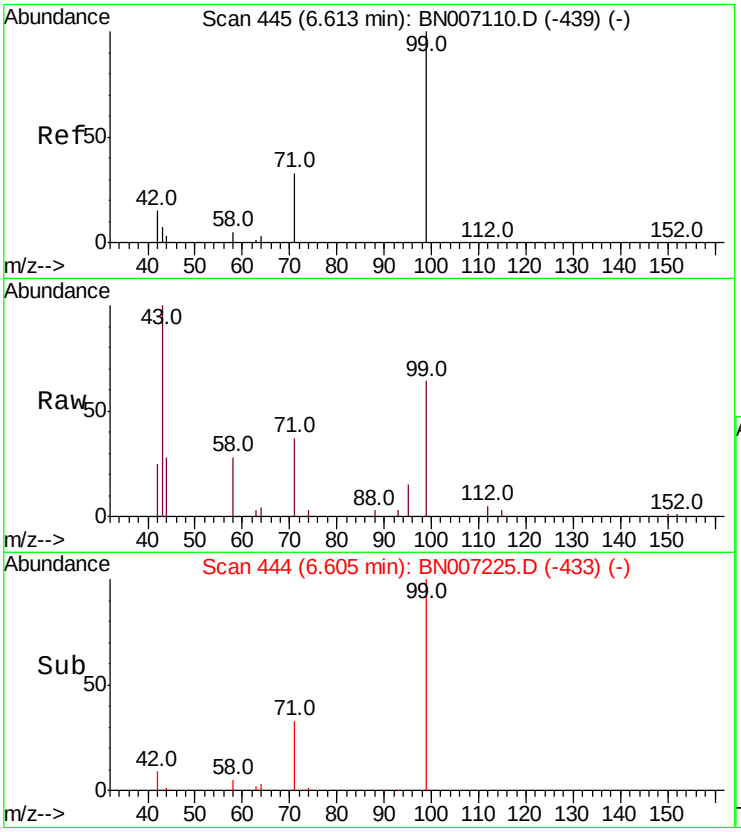


#3
2-Fluorophenol
Concen: 0.250 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:112 Resp: 4488

Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.6	63.8
63	27.4	22.2	33.2

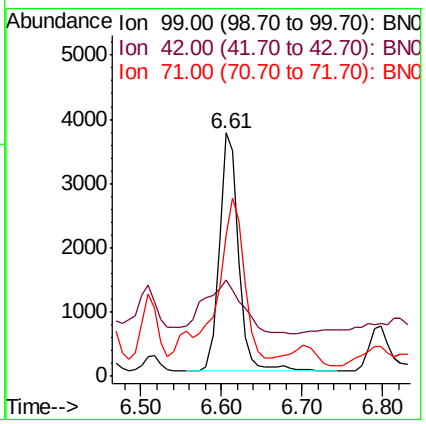




#4
Phenol-d6
Concen: 0.277 ng
RT: 6.61 min Scan# 444
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

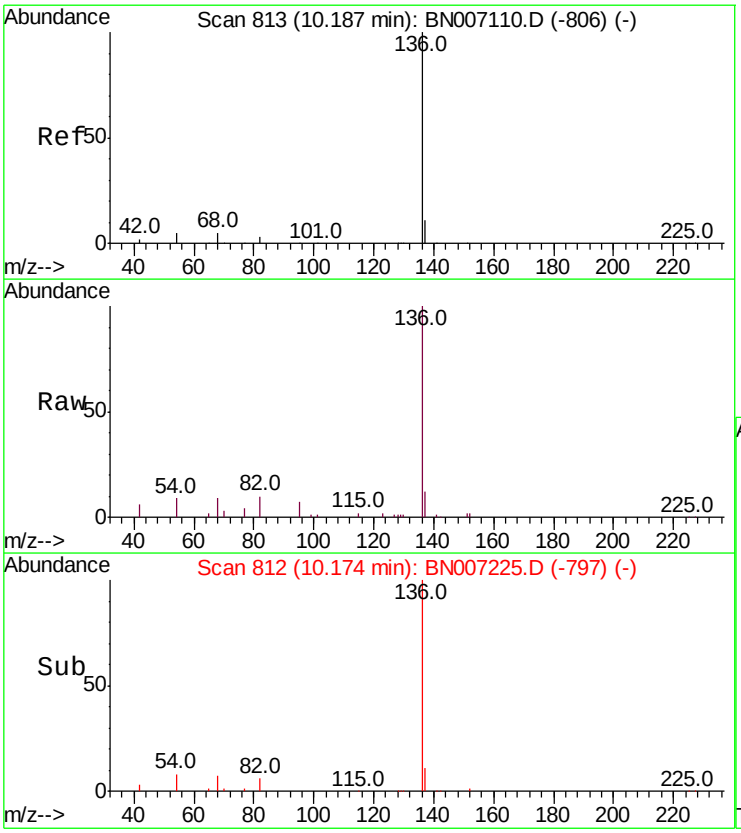
Tgt Ion: 99 Resp: 6168

Ion	Ratio	Lower	Upper
99	100		
42	45.6	15.8	23.6#
71	88.5	27.0	40.4#



Instrument :
BNA_N
ClientSampleId :

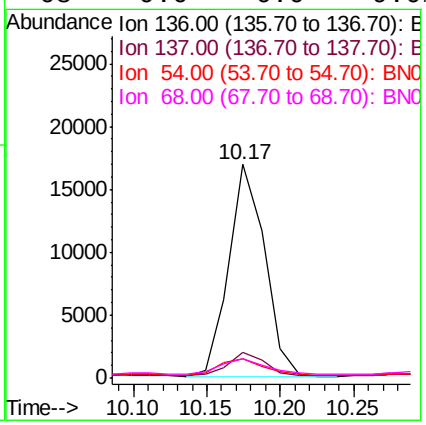
Manual Integrations APPROVED

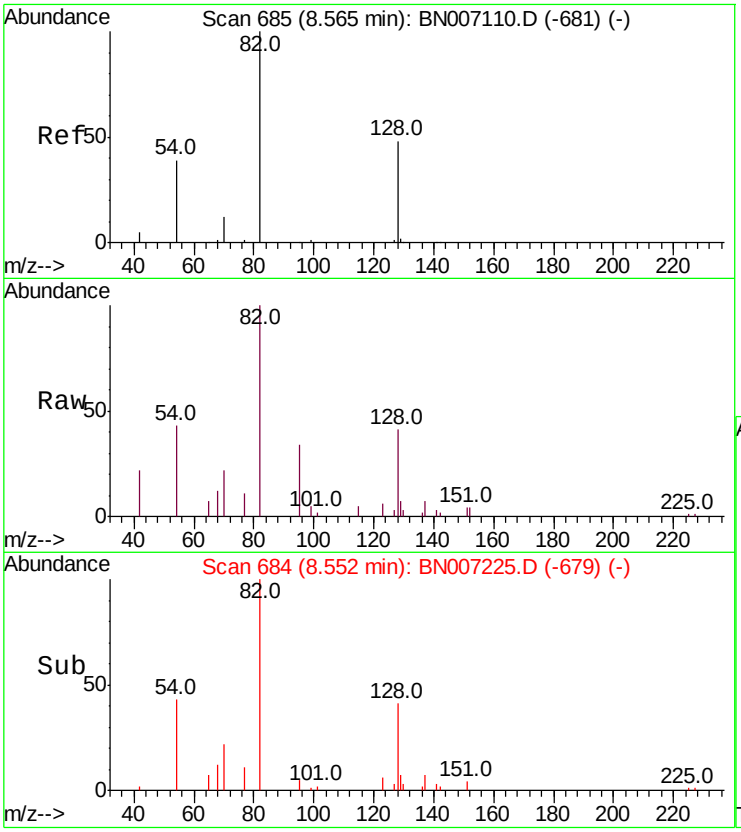


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:136 Resp: 28427

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.4	14.0
54	8.9	6.6	9.8
68	9.0	6.0	9.0#

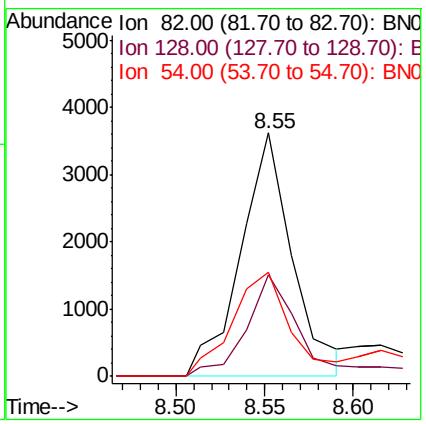




#7
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

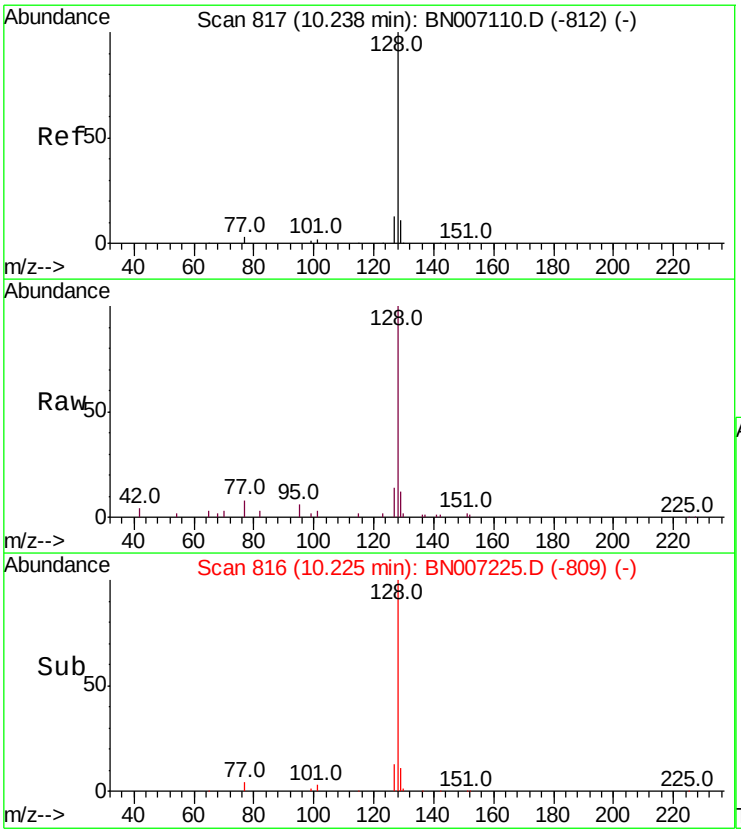
Tgt Ion: 82 Resp: 7049

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.6	51.8
54	42.9	36.2	54.4



Instrument :
BNA_N
ClientSampleId :

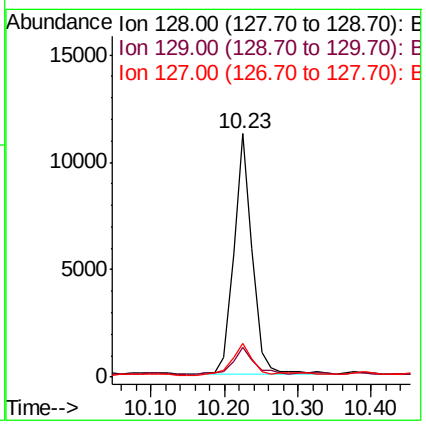
Manual Integrations APPROVED

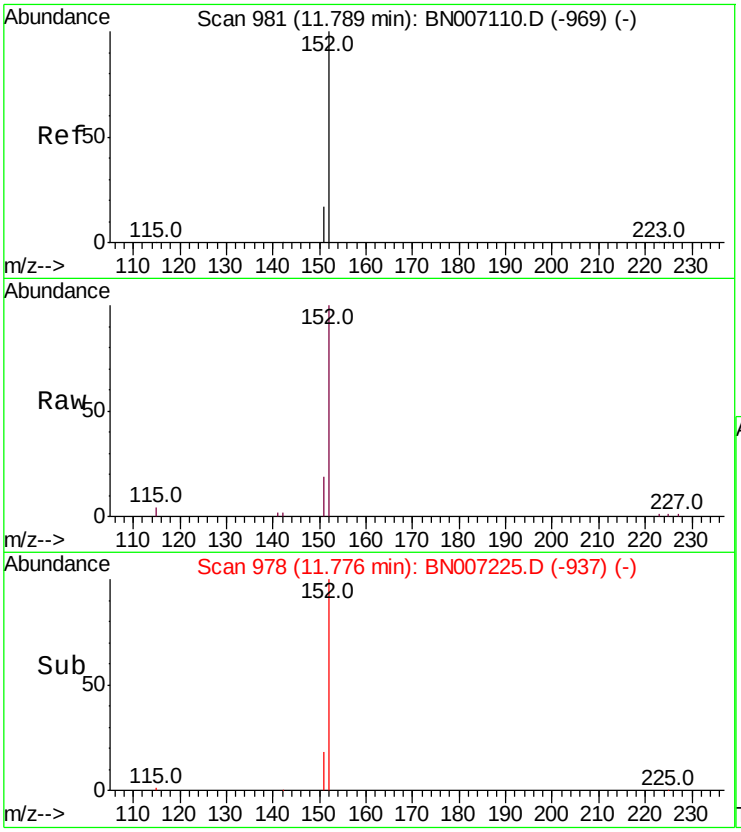


#8
Naphthalene
Concen: 0.242 ng
RT: 10.23 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:128 Resp: 19280

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.4	14.2
127	13.7	11.0	16.6

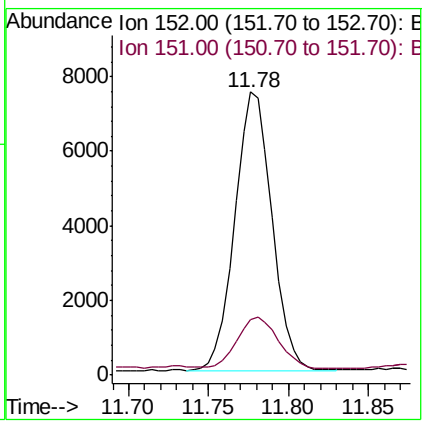




#10
2-Methylnaphthalene-d10
Concen: 0.227 ng
RT: 11.78 min Scan# 978
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

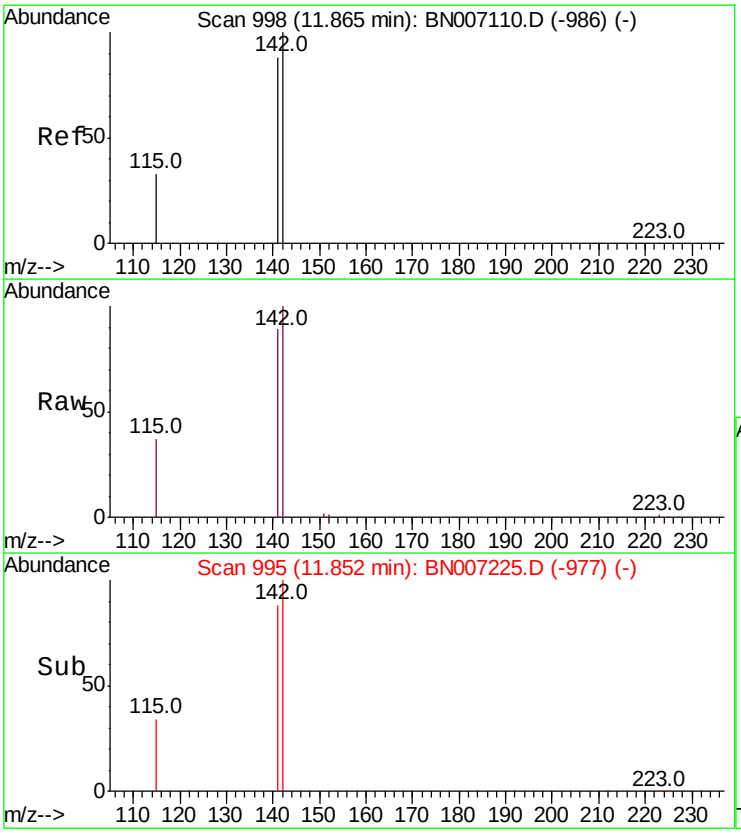
Tgt Ion:152 Resp: 12013

Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.5	23.3



Instrument :
BNA_N
ClientSampleId :

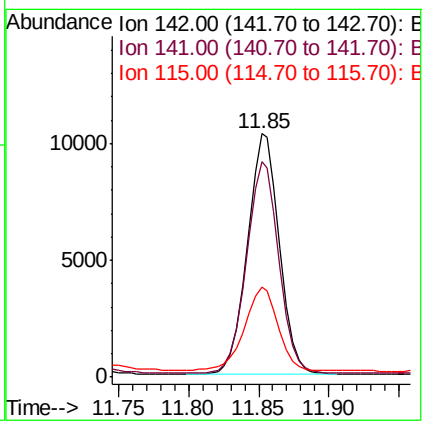
Manual Integrations APPROVED

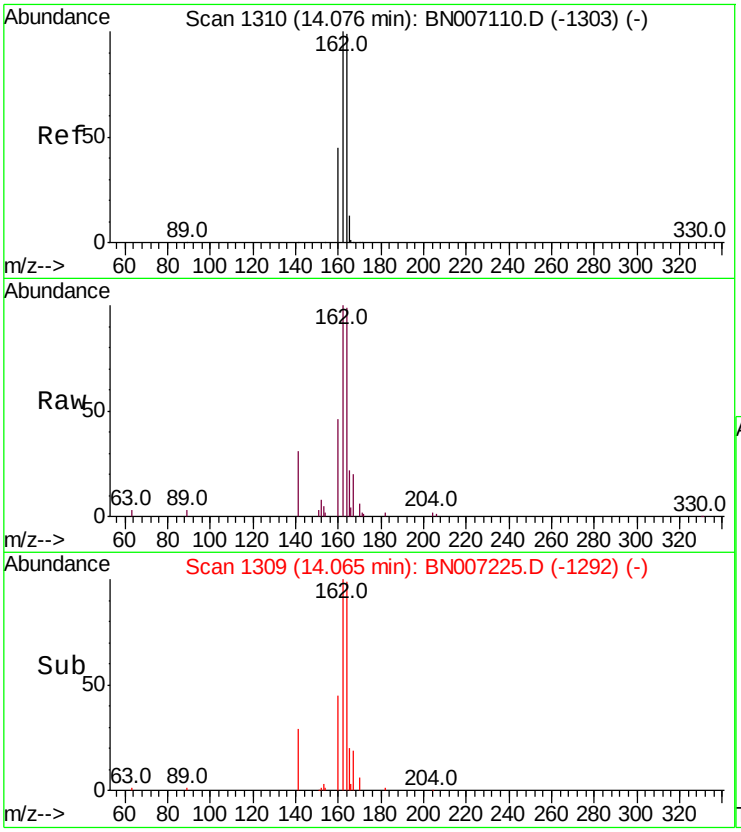


#11
2-Methylnaphthalene
Concen: 0.288 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:142 Resp: 16265

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.0	103.6
115	36.7	27.1	40.7





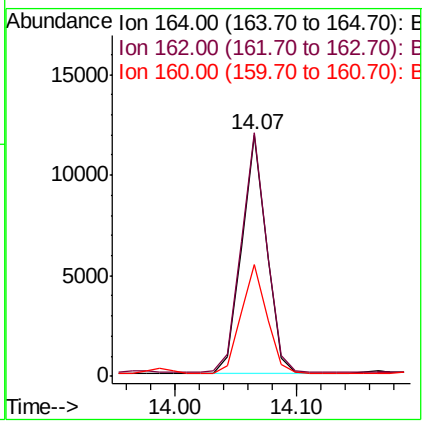
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

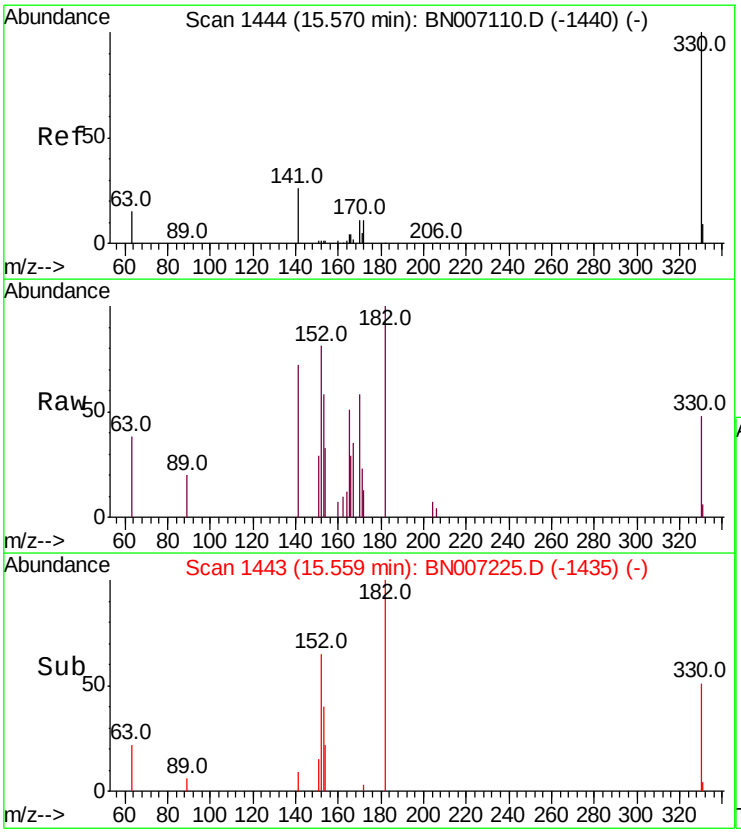
Tgt Ion:164 Resp: 17194

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.2	123.4
160	46.3	38.3	57.5

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

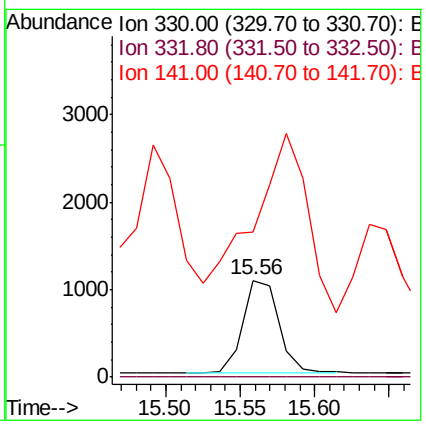


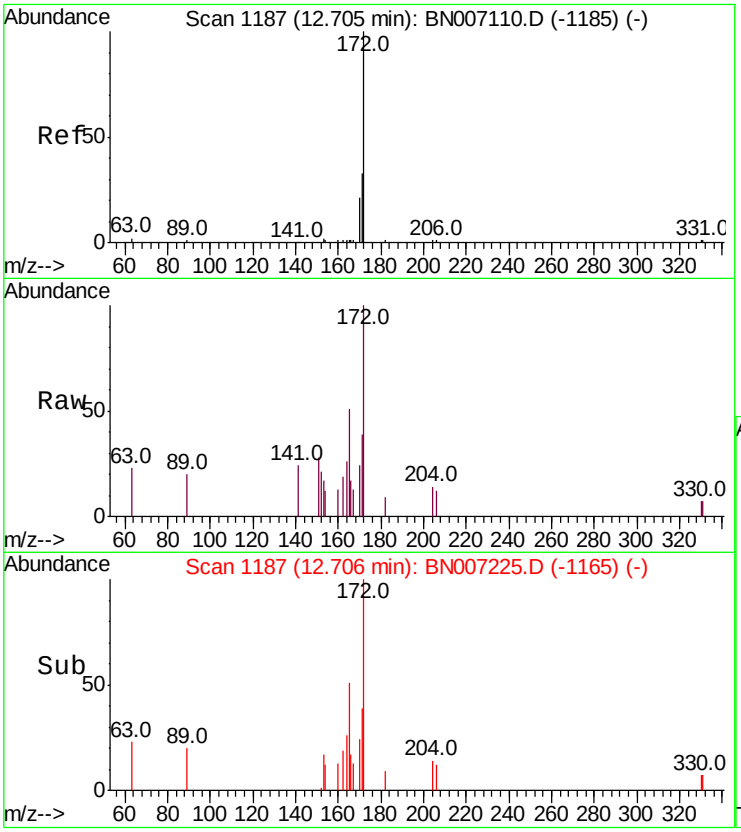


#13
2,4,6-Tribromophenol
Concen: 0.192 ng
RT: 15.56 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:330 Resp: 1779

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

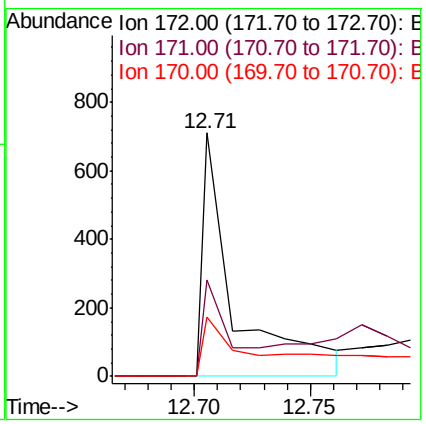




#14
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:172 Resp: 700

Ion	Ratio	Lower	Upper
172	100		
171	39.4	26.3	39.5
170	24.5	17.0	25.4



Instrument :
BNA_N
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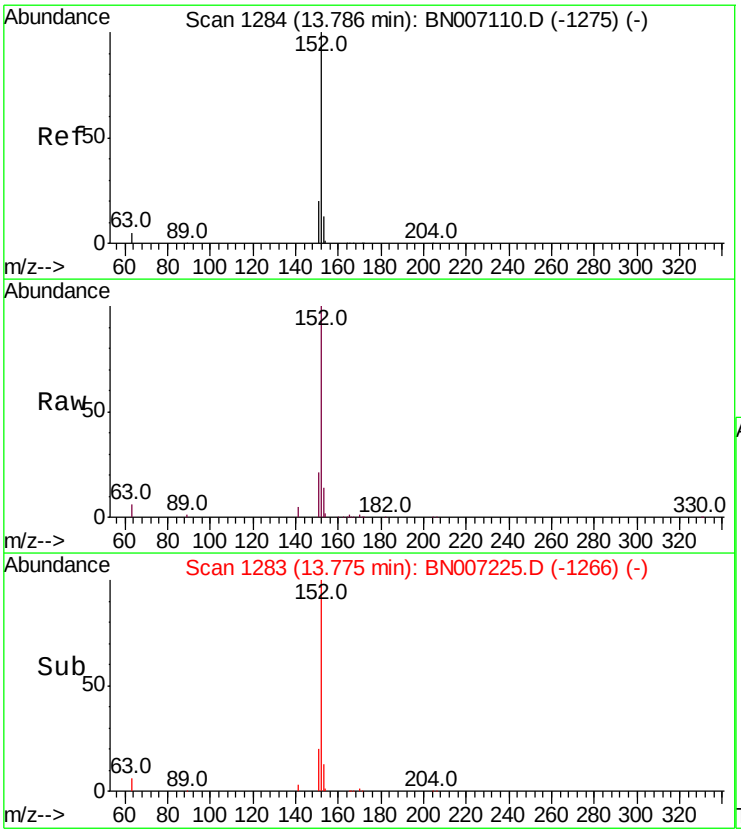
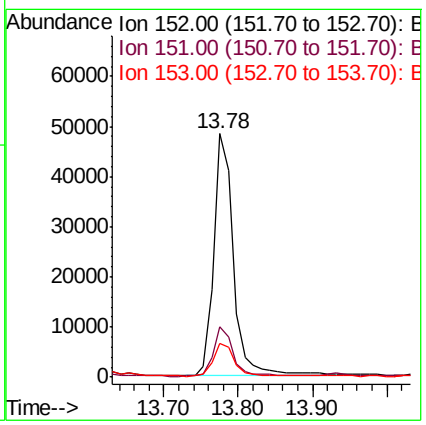
Manual Integrations APPROVED

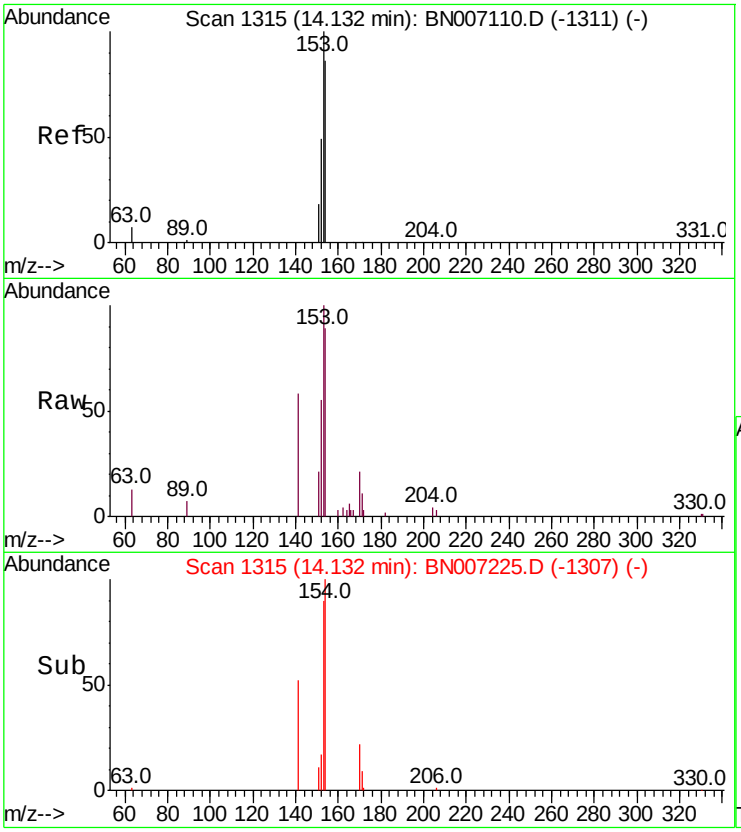


#15
Acenaphthylene
Concen: 0.997 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:152 Resp: 89603

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	14.6	10.4	15.6

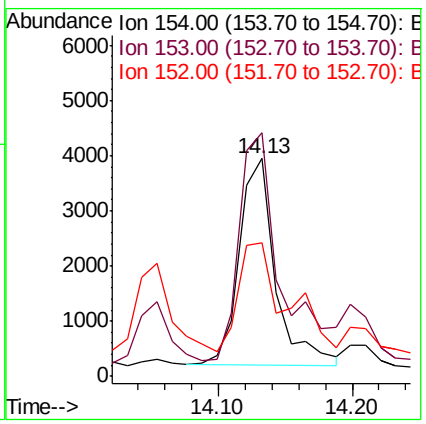




#16
Acenaphthene
Concen: 0.121 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

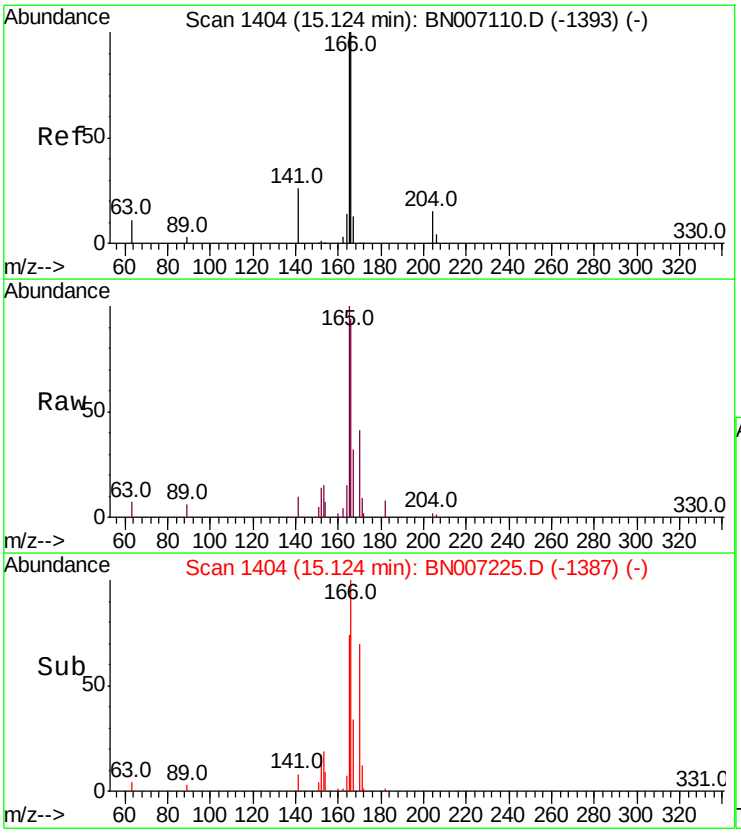
Tgt Ion:154 Resp: 6981

Ion	Ratio	Lower	Upper
154	100		
153	120.9	89.5	134.3
152	70.8	44.8	67.2#



Instrument :
BNA_N
ClientSampleId :

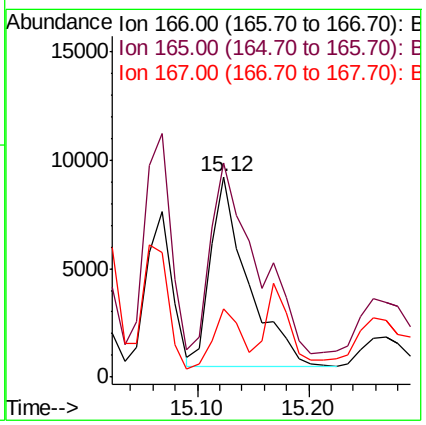
Manual Integrations APPROVED

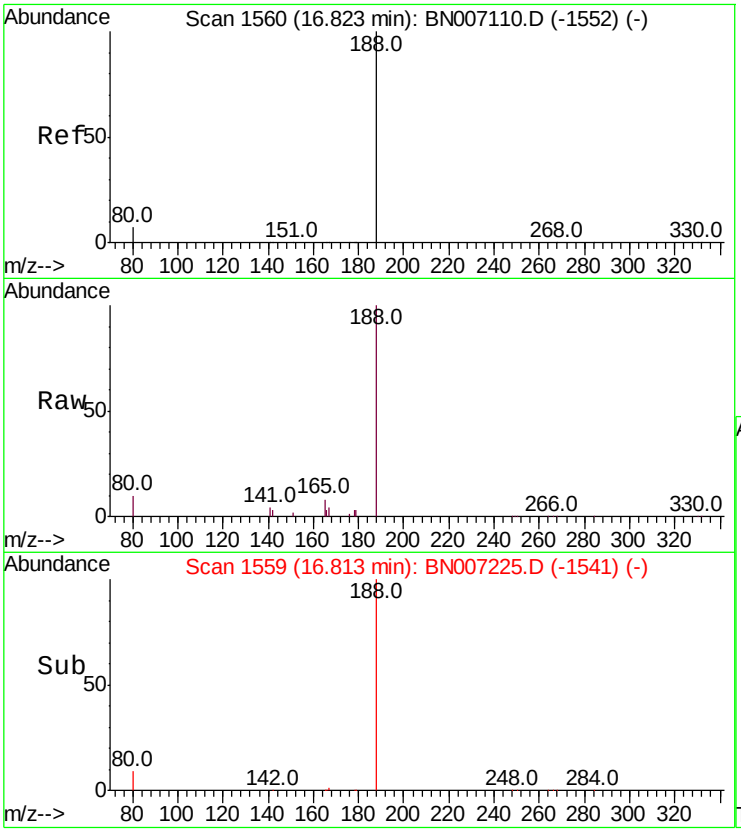


#17
Fluorene
Concen: 0.233 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:166 Resp: 20059

Ion	Ratio	Lower	Upper
166	100		
165	123.2	77.9	116.9#
167	24.1	10.9	16.3#

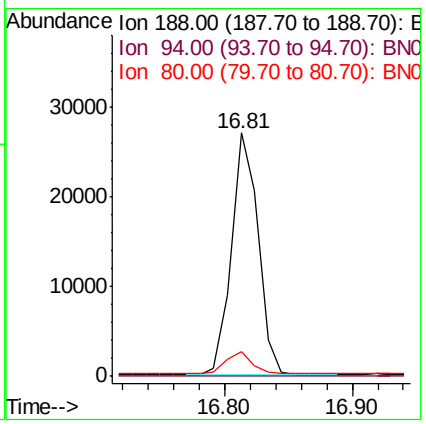




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

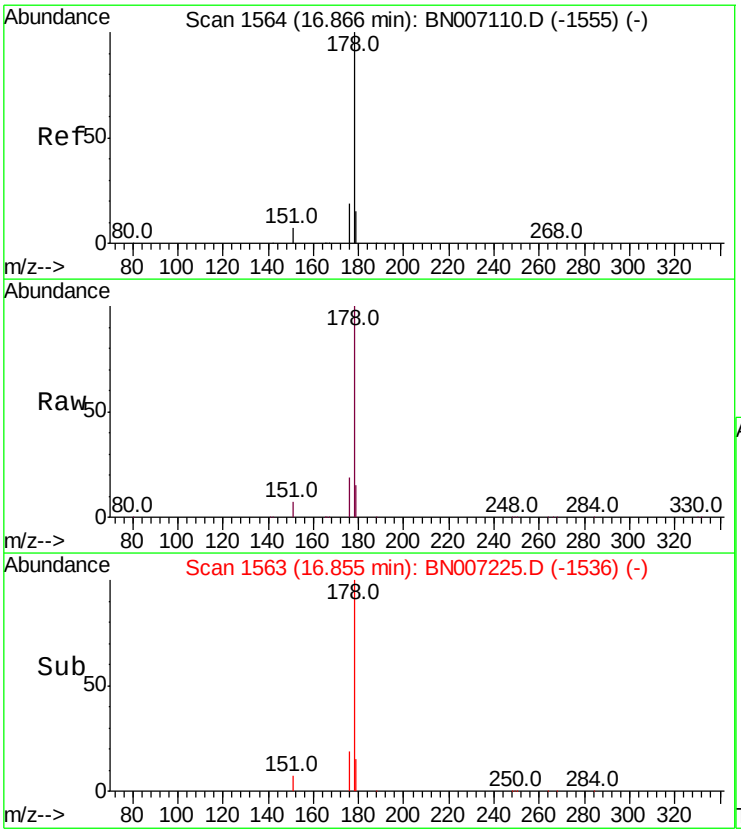
Tgt Ion:188 Resp: 39192

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	7.8	11.6



Instrument :
BNA_N
ClientSampleId :

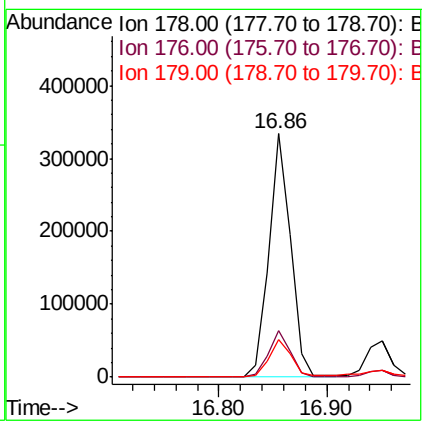
Manual Integrations APPROVED

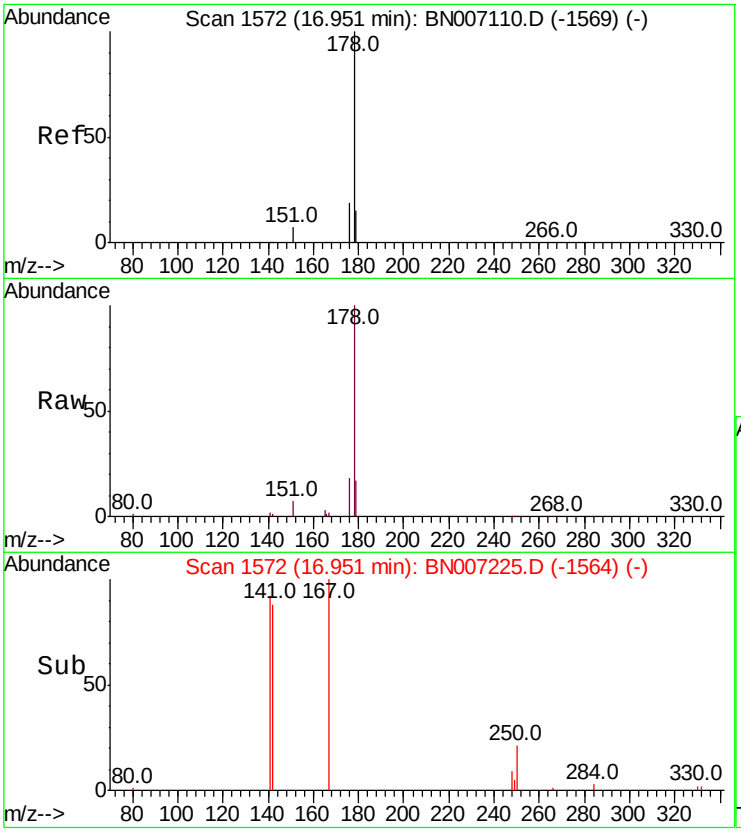


#22
Phenanthrene
Concen: 3.937 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:178 Resp: 462368

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	16.0	12.3	18.5

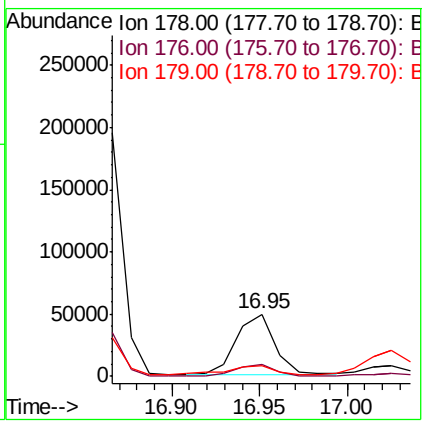




#23
Anthracene
Concen: 0.680 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:178 Resp: 72948

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	17.4	12.5	18.7



Instrument :
BNA_N
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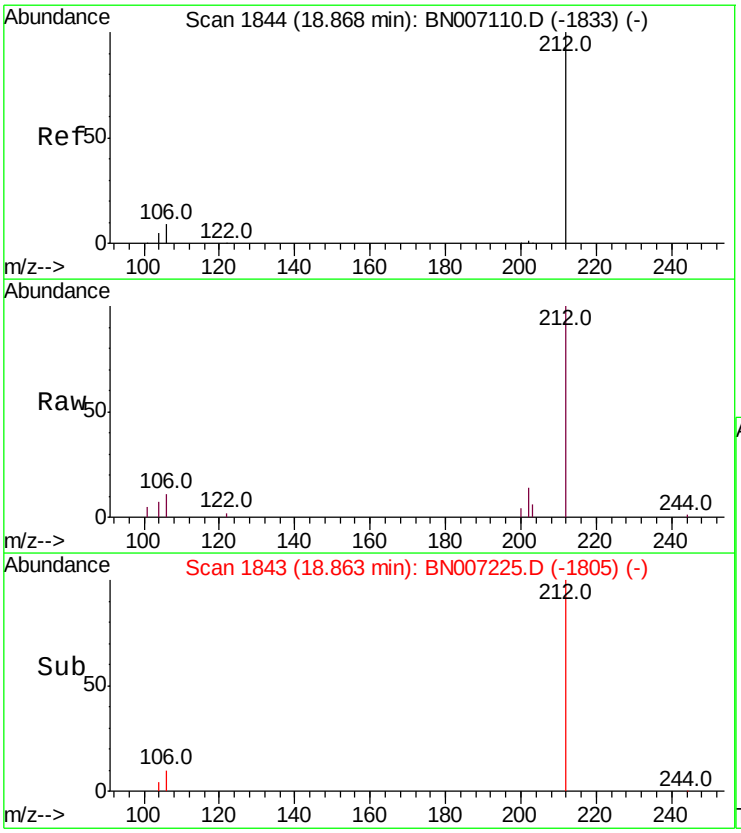
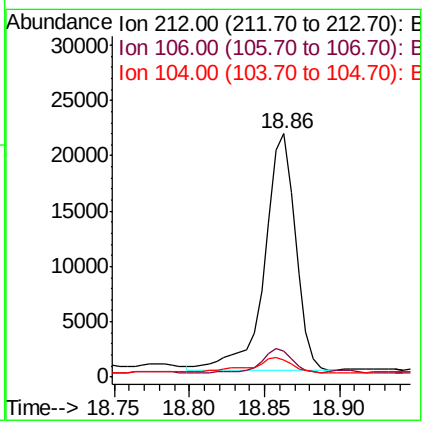
Manual Integrations APPROVED

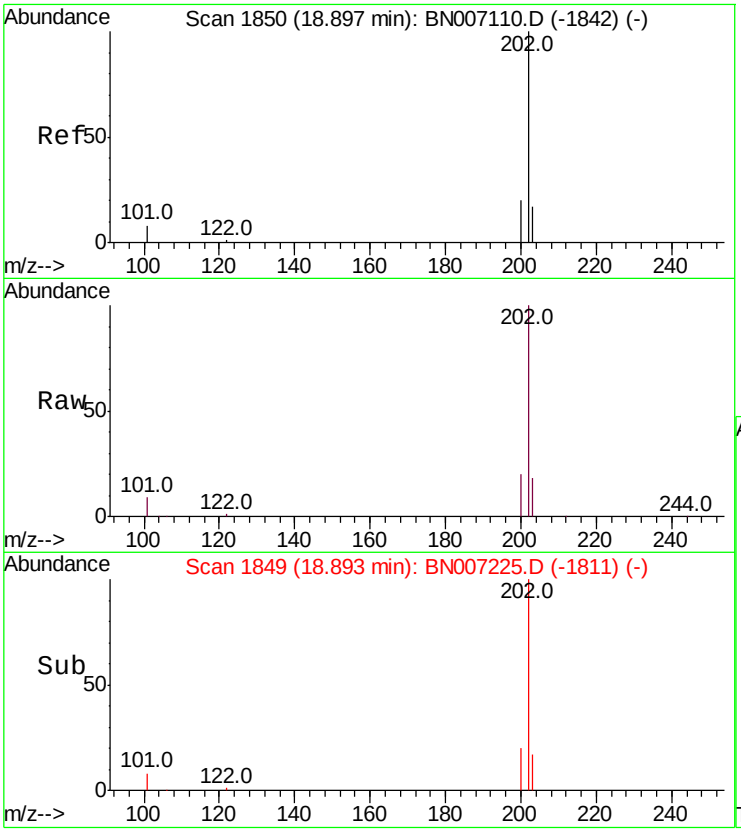


#24
Fluoranthene-d10
Concen: 0.218 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:212 Resp: 30287

Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.2	12.2
104	8.3	4.5	6.7#

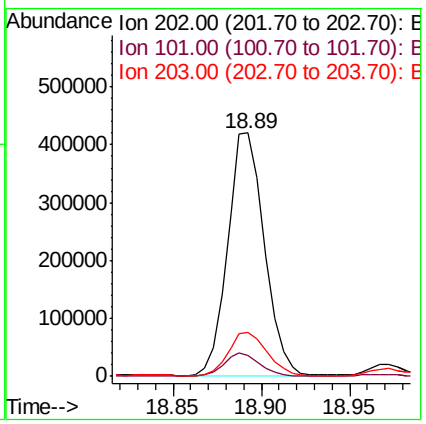




#25
Fluoranthene
Concen: 4.019 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

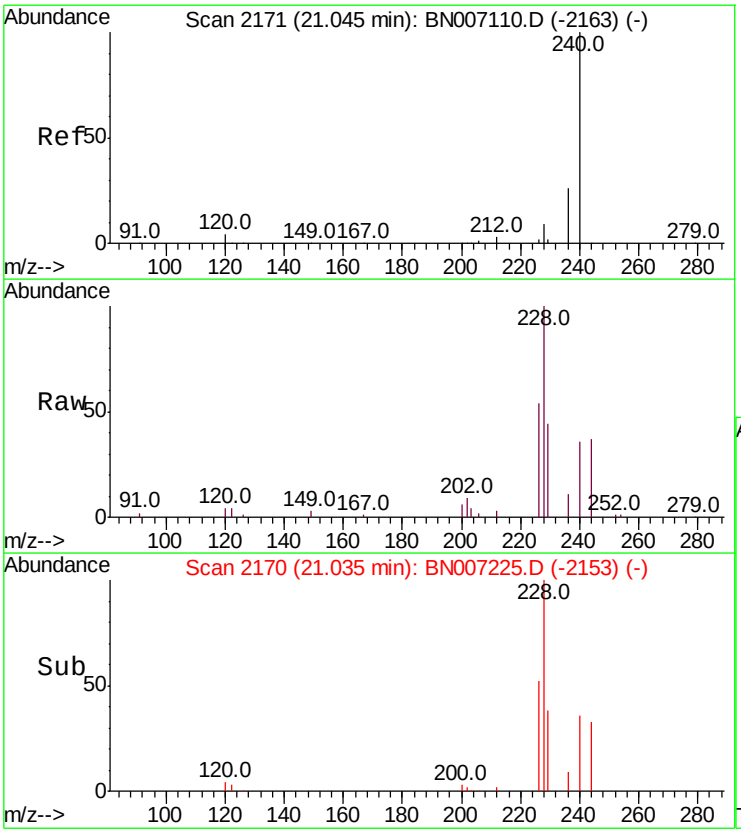
Tgt Ion:202 Resp: 603867

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
203	18.6	13.8	20.8



Instrument :
BNA_N
ClientSampleId :

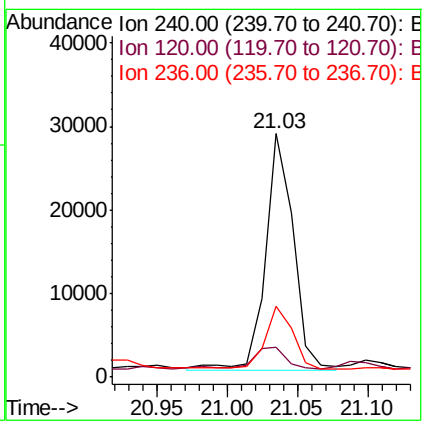
Manual Integrations APPROVED

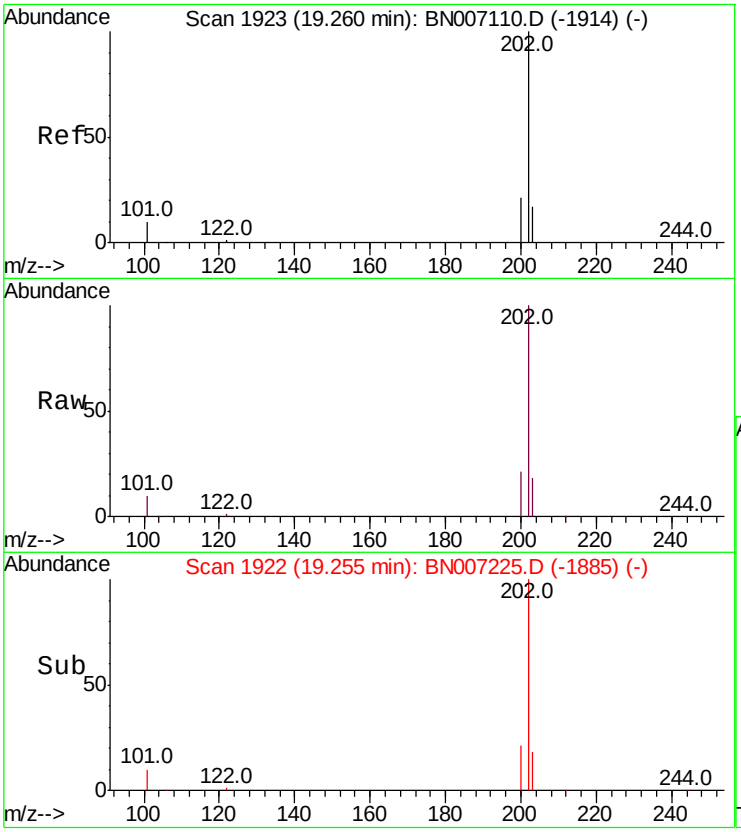


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:240 Resp: 39891

Ion	Ratio	Lower	Upper
240	100		
120	12.1	4.0	6.0#
236	29.3	21.3	31.9

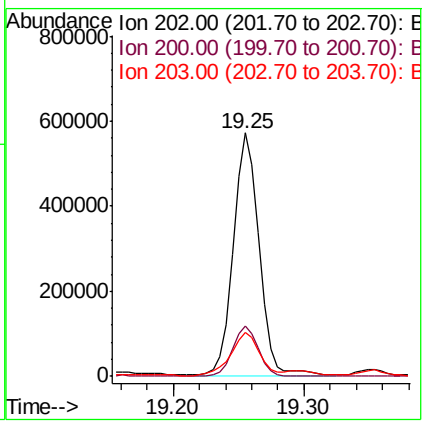




#27
Pyrene
Concen: 5.652 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

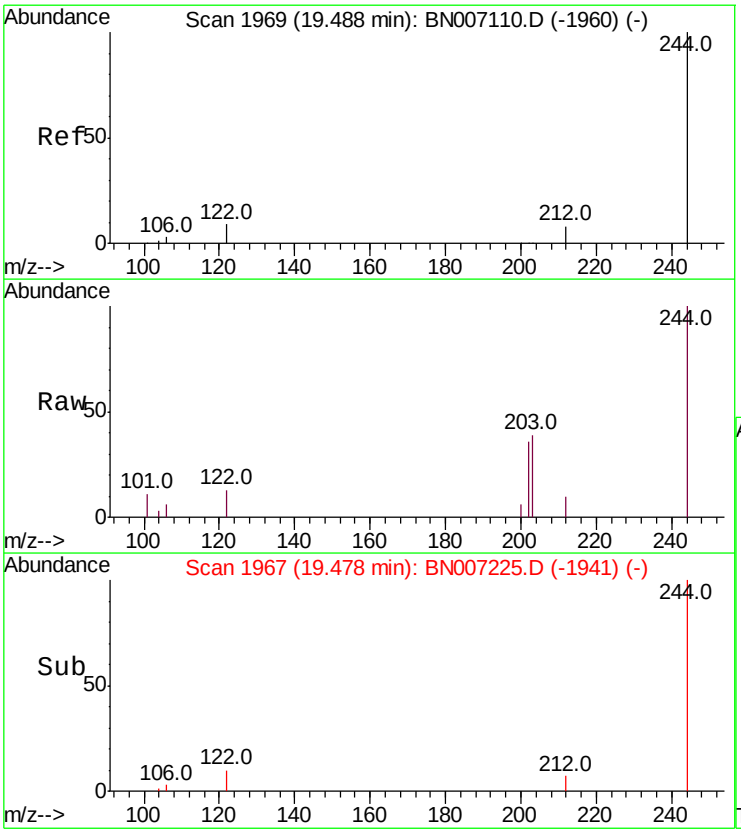
Tgt Ion:202 Resp: 790728

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	19.1	14.0	21.0



Instrument :
BNA_N
ClientSampleId :

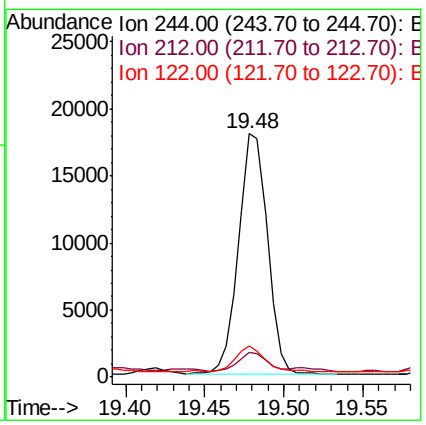
Manual Integrations APPROVED

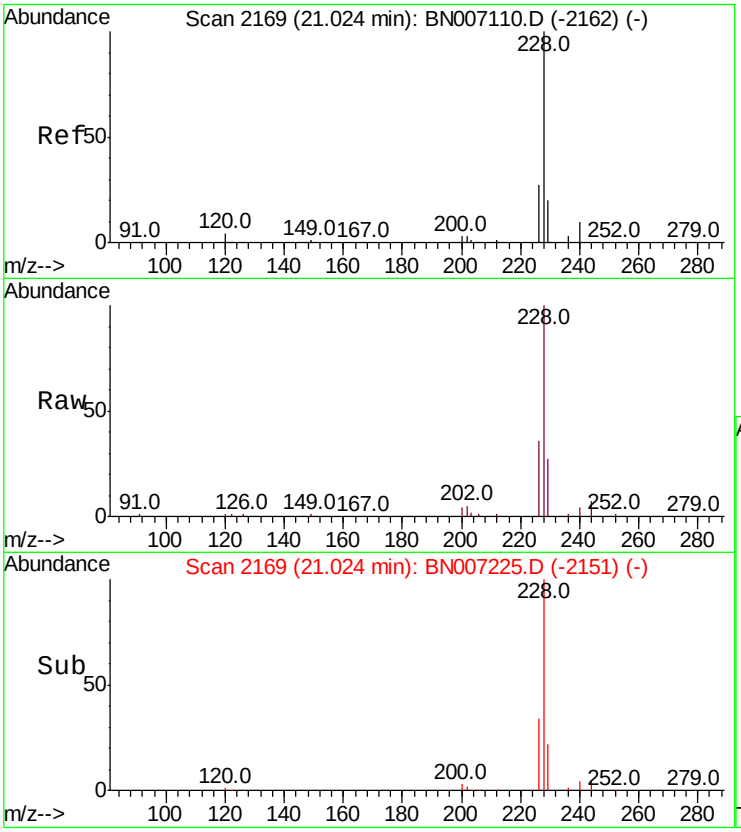


#28
Terphenyl-d14
Concen: 0.209 ng
RT: 19.48 min Scan# 1967
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:244 Resp: 22762

Ion	Ratio	Lower	Upper
244	100		
212	10.2	6.2	9.2#
122	12.7	7.4	11.2#

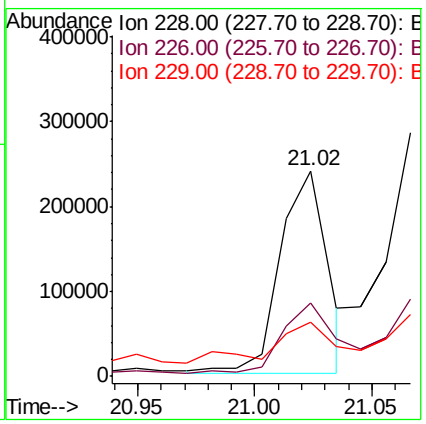




#29
Benzo(a)anthracene
Concen: 2.333 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:228 Resp: 340360

Ion	Ratio	Lower	Upper
228	100		
226	35.5	21.8	32.6#
229	26.7	15.6	23.4#



Instrument :
BNA_N
ClientSampleId :

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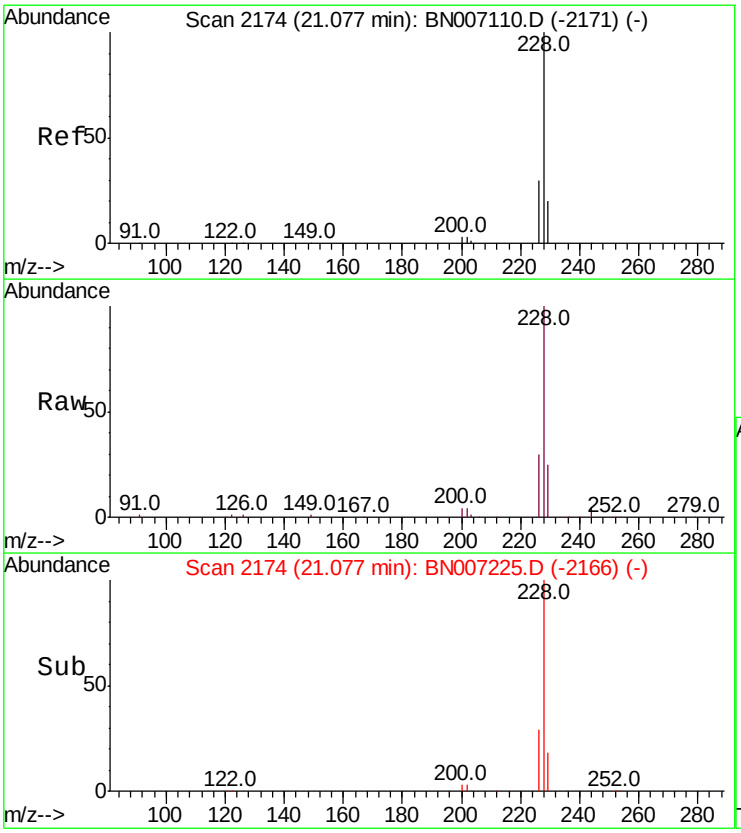
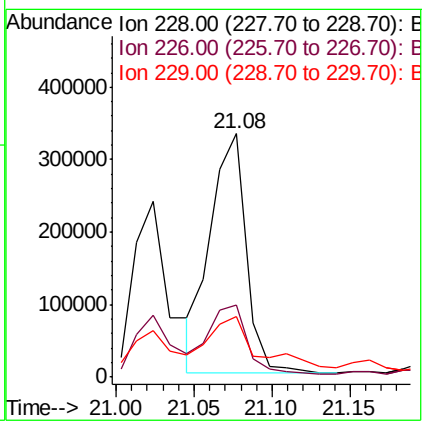
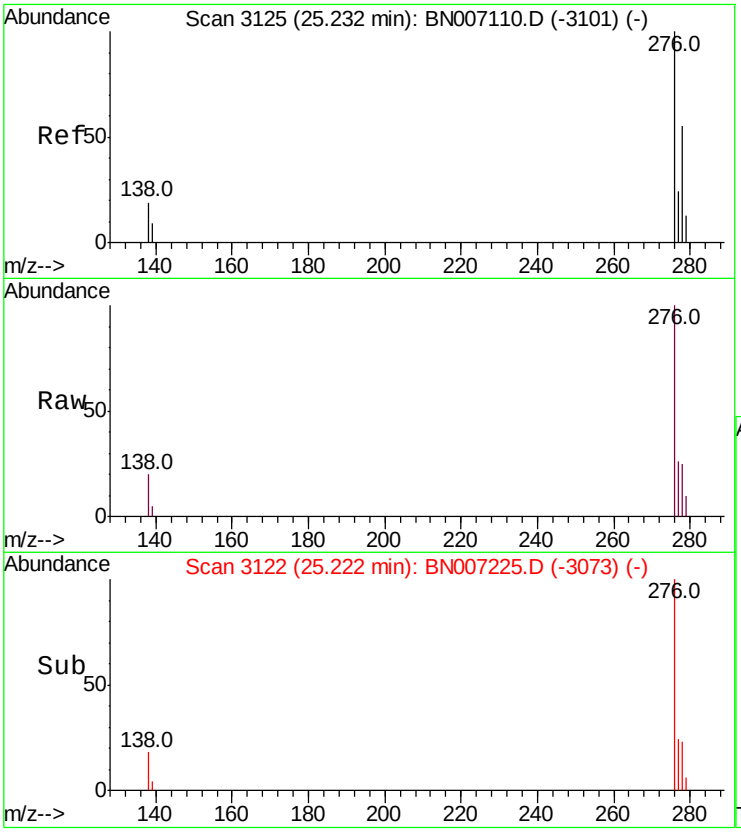


#30
Chrysene
Concen: 3.735 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:228 Resp: 529372

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	25.0	15.7	23.5#

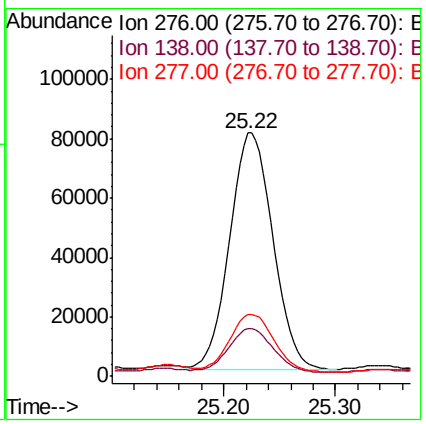




#31
Indeno(1,2,3-cd)pyrene
Concen: 1.362 ng
RT: 25.22 min Scan# 3122
Delta R.T. -0.03 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

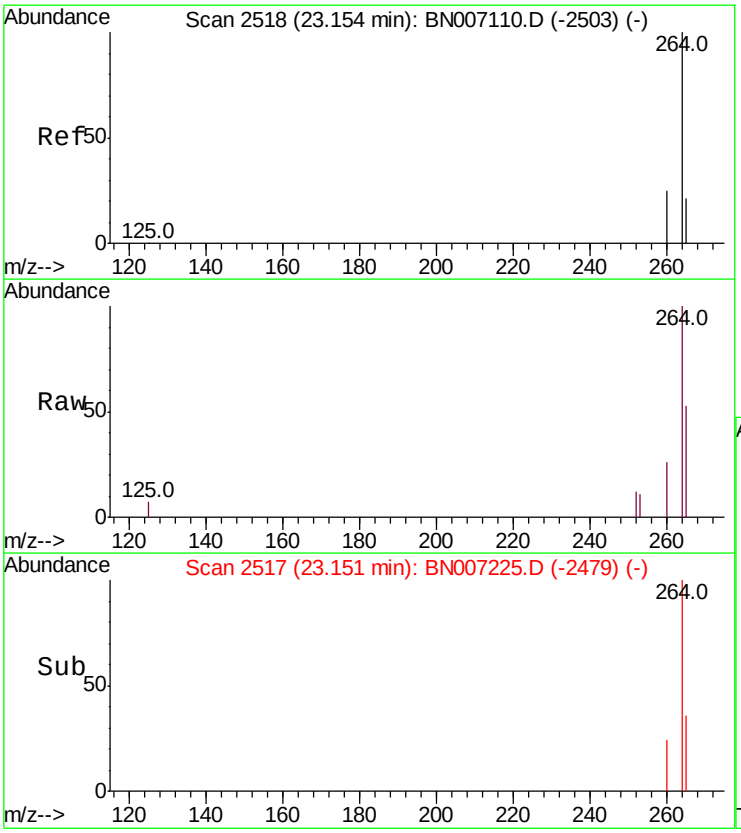
Tgt Ion:276 Resp: 212726

Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.0	24.0
277	25.1	19.9	29.9



Instrument :
BNA_N
ClientSampleId :

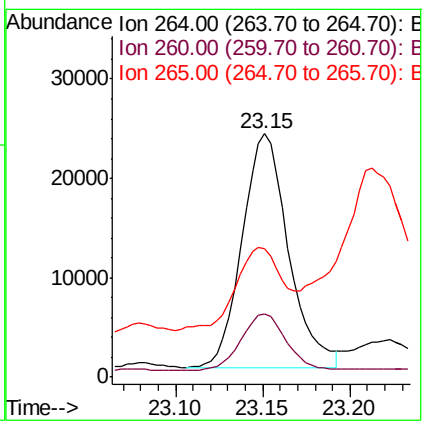
Manual Integrations APPROVED

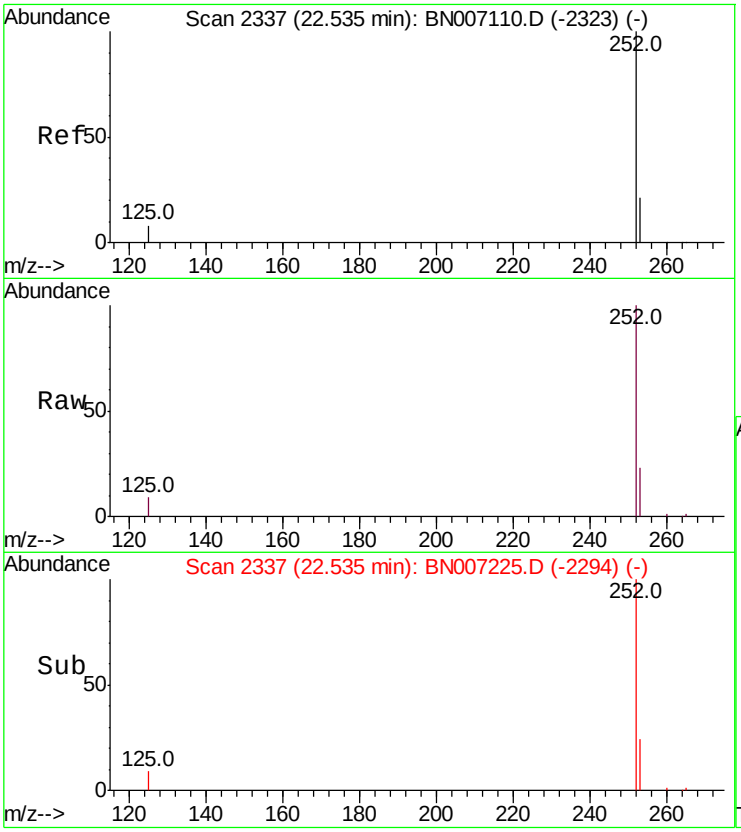


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:264 Resp: 43628

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.8	29.8
265	52.9	26.2	39.4#





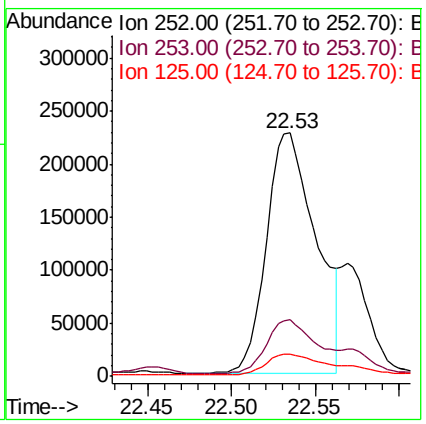
#33
Benzo(b)fluoranthene
Concen: 3.121 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

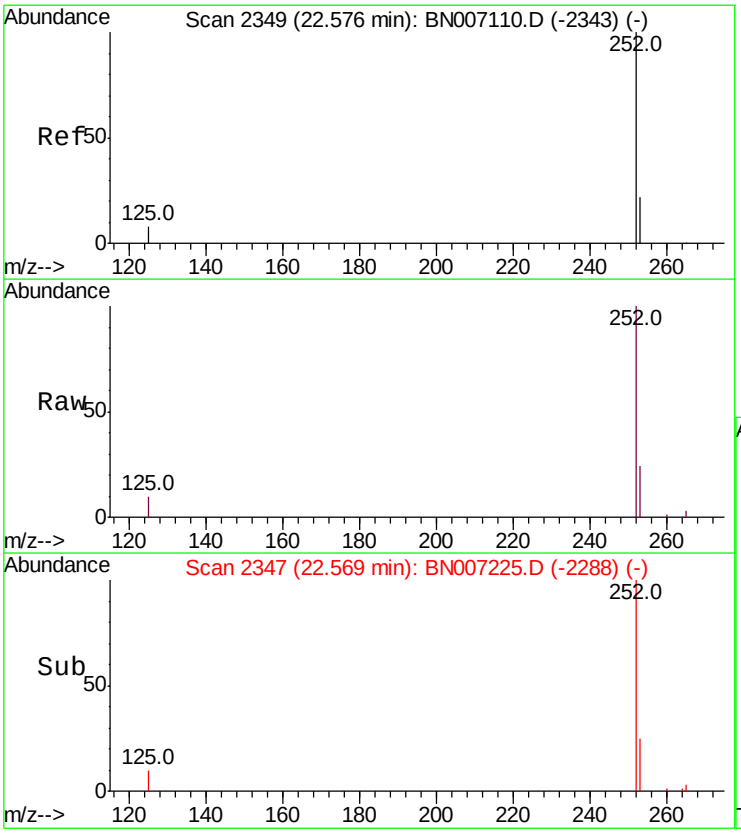
Tgt Ion:252 Resp: 466944

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.2	7.4	11.0

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

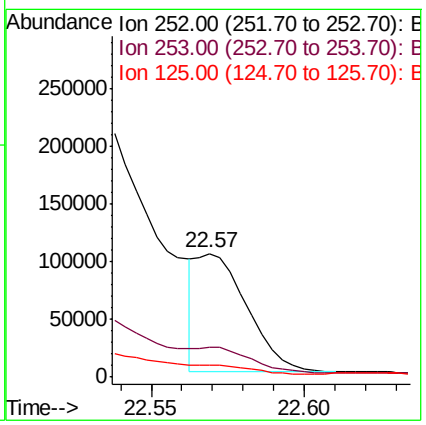


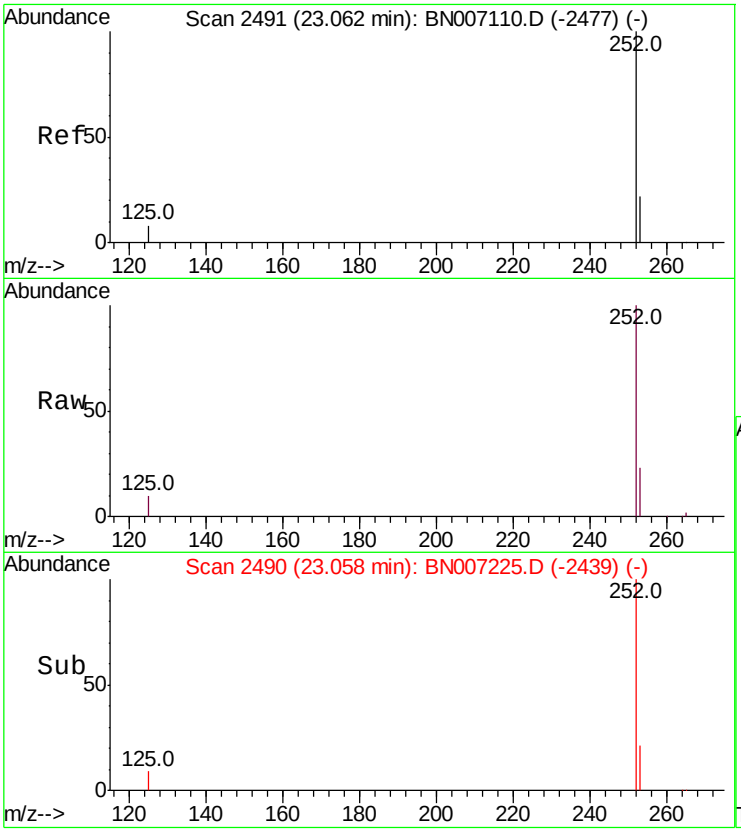


#34
Benzo(k)fluoranthene
Concen: 0.799 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:252 Resp: 118023

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	9.8	7.4	11.0





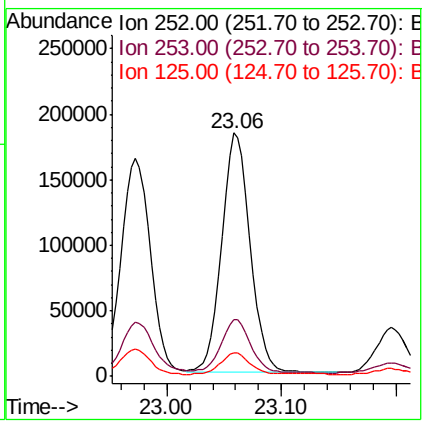
#35
Benzo(a)pyrene
Concen: 2.358 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

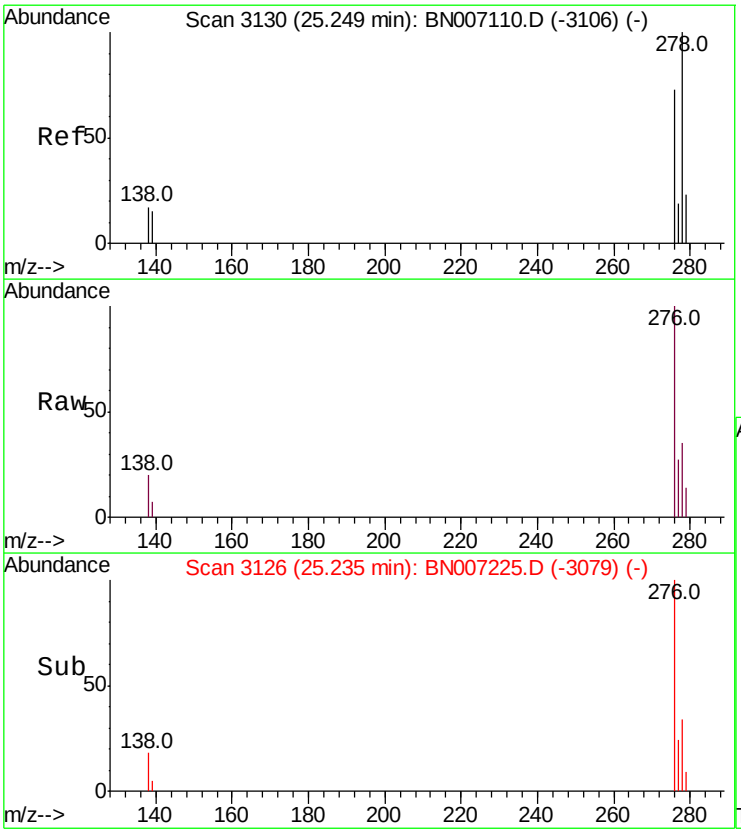
Tgt Ion:252 Resp: 319866

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	9.7	8.2	12.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

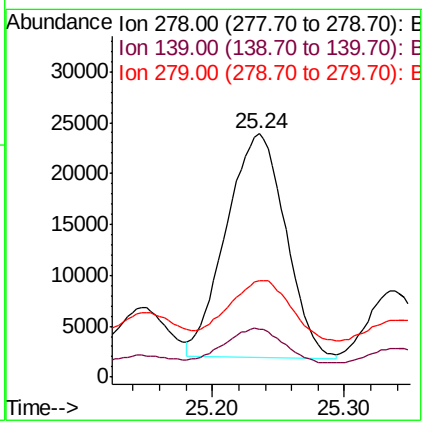


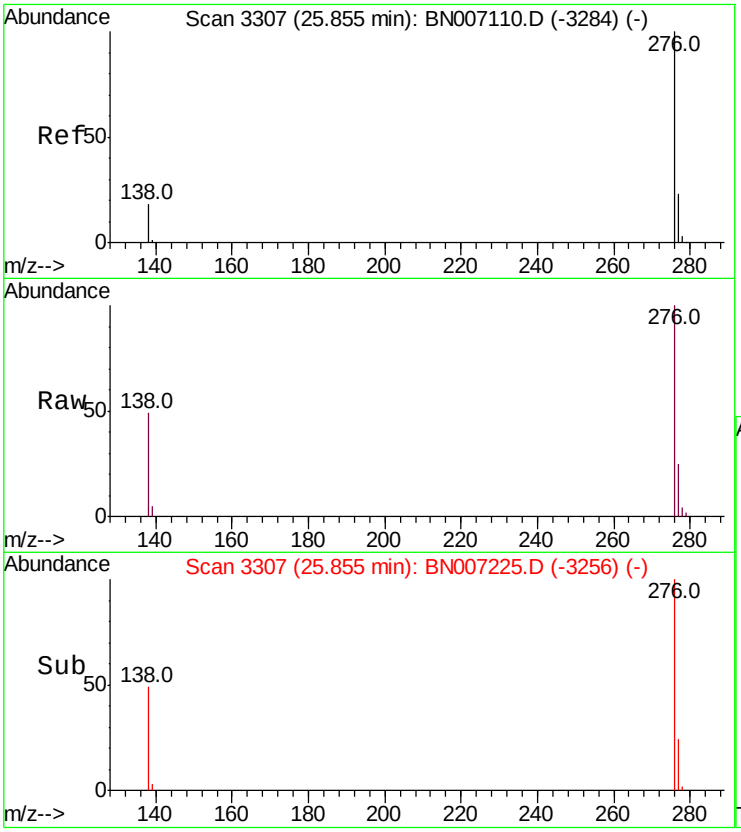


#36
Dibenzo(a,h)anthracene
Concen: 0.510 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:278 Resp: 69031

Ion	Ratio	Lower	Upper
278	100		
139	19.6	11.3	16.9#
279	39.7	19.3	28.9#

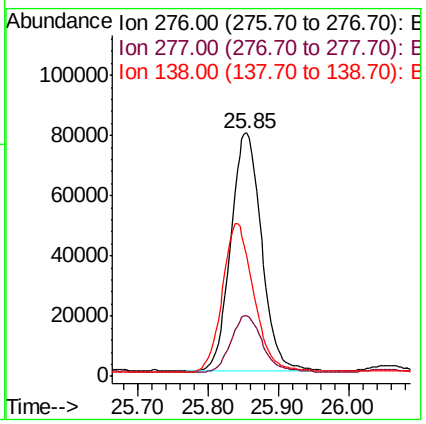




#37
Benzo(g,h,i)perylene
Concen: 1.732 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007225.D
Acq: 16 Aug 2019 16:25

Tgt Ion:276 Resp: 241050

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	49.4	14.6	22.0#



Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED