Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007219.D
Acq On : 16 Aug 2019 12:12
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 16 23:03:17 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	6005	0.40	ng		-0.02
6) Naphthalene-d8	10.17	136	22200	0.40	ng		-0.01
12) Acenaphthene-d10	14.07	164	12933	0.40	ng		-0.01
18) Phenanthrene-d10	16.81	188	32026	0.40	ng		-0.01
26) Chrysene-d12	21.05	240	33325	0.40	ng		-0.01
32) Perylene-d12	23.16	264	37134	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	6130	0.42	ng		0.00
4) Phenol-d6	6.61	99	7510	0.42	ng		0.00
7) Nitrobenzene-d5	8.55	82	8178	0.46	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	16026	0.39	ng		-0.02
13) 2,4,6-Tribromophenol	15.57	330	2695	0.39	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	1070	0.06	ng		0.00
24) Fluoranthene-d10	18.86	212	46834	0.41	ng		-0.01
28) Terphenyl-d14	19.48	244	41454	0.46	ng		-0.02
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.34	42	1633	0.413	ng	#	99
5) bis(2-Chloroethyl)ether	6.86	93	6636	0.420	ng		98
8) Naphthalene	10.22	128	24314	0.391	ng		99
9) Hexachlorobutadiene	10.53	225	5288	0.398	ng	#	99
11) 2-Methylnaphthalene	11.85	142	17182	0.390	ng		98
15) Acenaphthylene	13.78	152	29389	0.435	ng		100
16) Acenaphthene	14.13	154	17317	0.400	ng		99
17) Fluorene	15.12	166	24135	0.373	ng		99
19) 4-Bromophenyl-phenylether	16.03	248	8266	0.417	ng		93
20) Hexachlorobenzene	16.13	284	8636	0.453	ng		99
21) Pentachlorophenol	16.47	266	2958	0.417	ng		99
22) Phenanthrene	16.86	178	41721	0.435	ng		100
23) Anthracene	16.95	178	37946	0.433	ng		100
25) Fluoranthene	18.89	202	51824	0.422	ng		100
27) Pyrene	19.25	202	53186	0.455	ng		100
29) Benzo(a)anthracene	21.02	228	52922	0.434	ng		99
30) Chrysene	21.08	228	53276	0.450	ng		100
31) Indeno(1,2,3-cd)pyrene	25.23	276	62611	0.480	ng		98
33) Benzo(b)fluoranthene	22.53	252	54080	0.425	ng		100
34) Benzo(k)fluoranthene	22.58	252	53213	0.423	ng		98
35) Benzo(a)pyrene	23.07	252	49633	0.430	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	51054	0.443	ng		98
37) Benzo(g,h,i)perylene	25.86	276	50531	0.426	ng		99

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

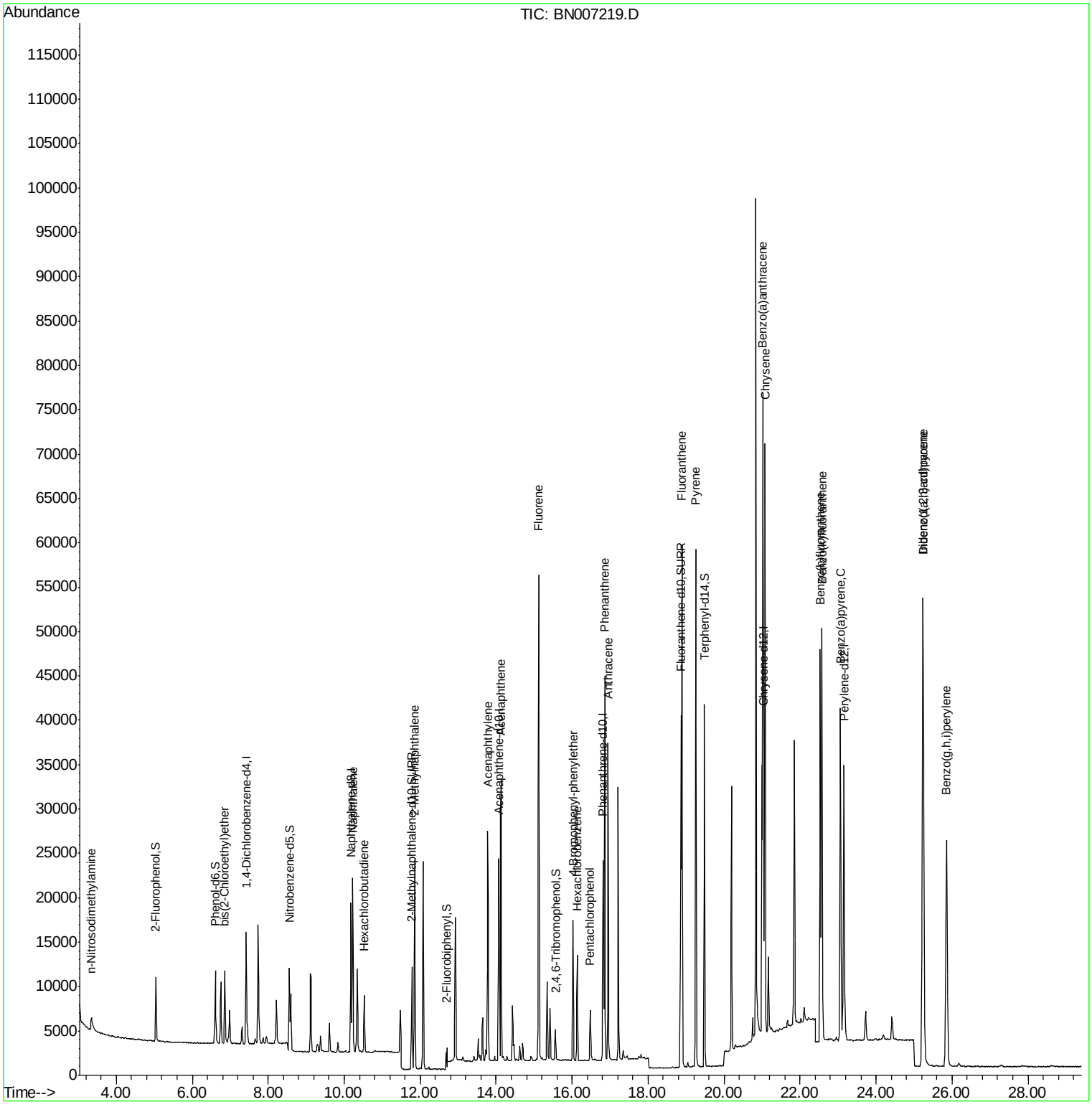
Quantitation Report (QT Reviewed)

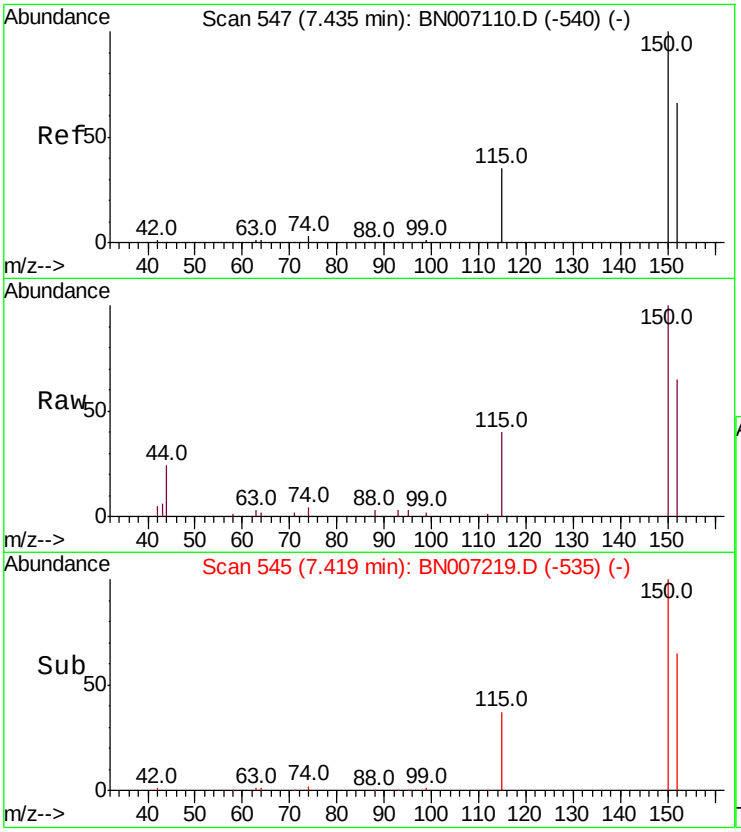
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007219.D
Acq On : 16 Aug 2019 12:12
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 23:03:17 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

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

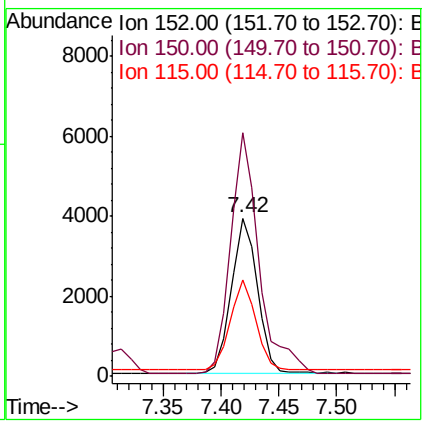




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

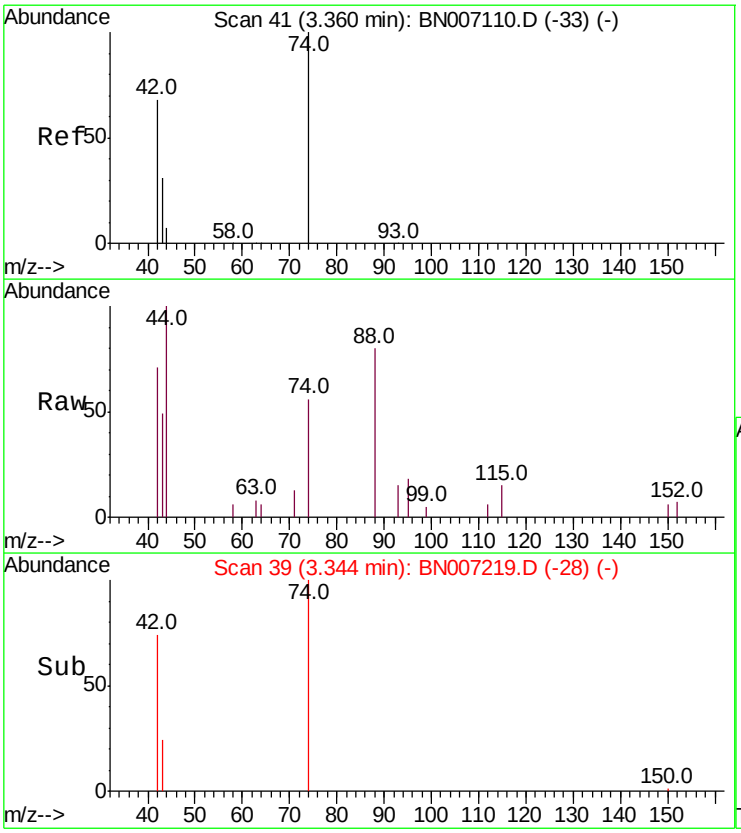
Tgt Ion:152 Resp: 6005

Ion	Ratio	Lower	Upper
152	100		
150	154.0	121.7	182.5
115	61.1	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

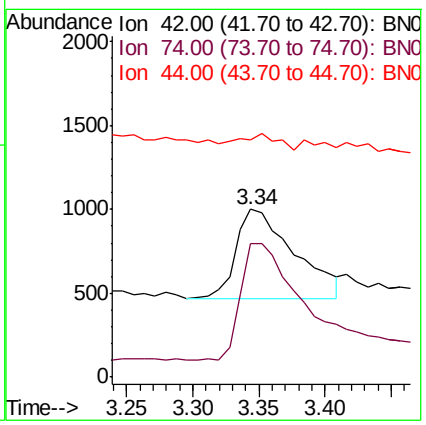
Manual Integrations APPROVED

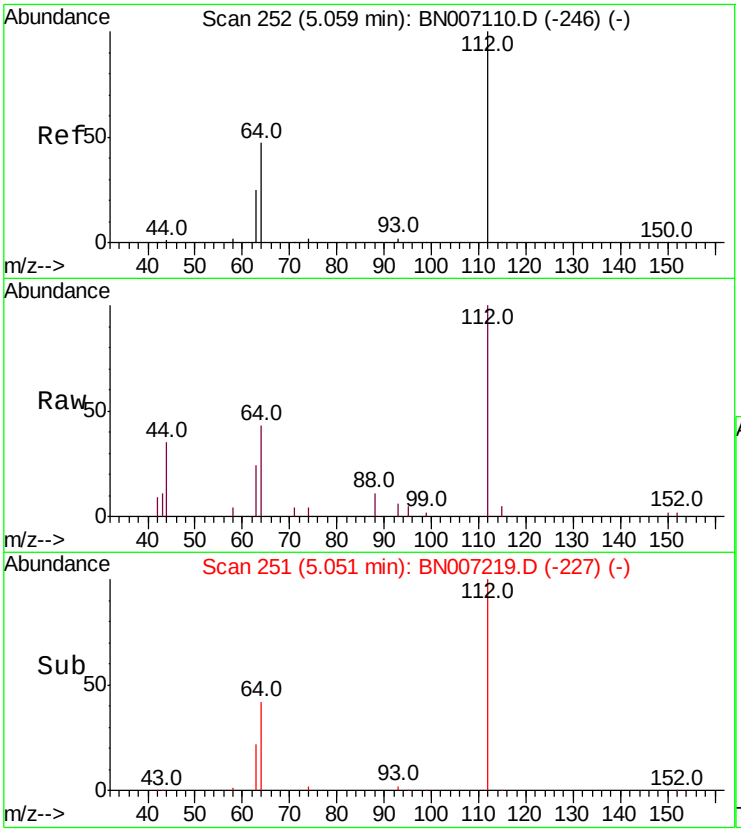


#2
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion: 42 Resp: 1633

Ion	Ratio	Lower	Upper
42	100		
74	136.9	110.6	166.0
44	11.7	0.0	0.0#

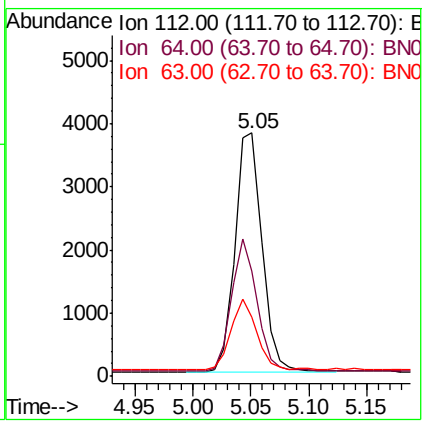




#3
2-Fluorophenol
Concen: 0.425 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

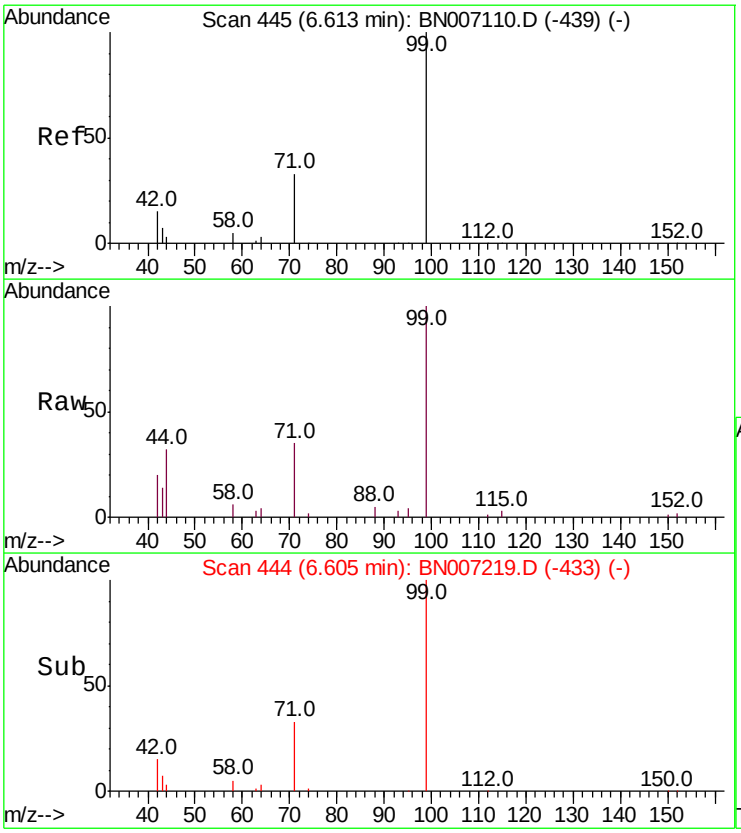
Tgt Ion:112 Resp: 6130

Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.6	63.8
63	28.0	22.2	33.2



Instrument :
BNA_N
ClientSampleId :

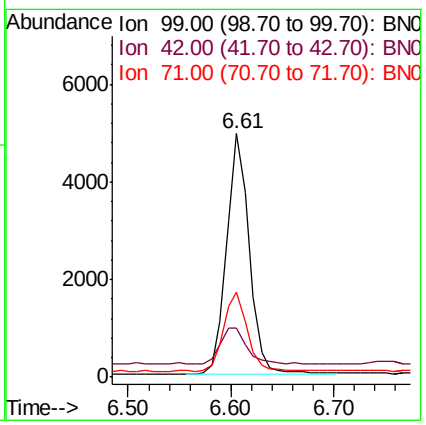
Manual Integrations APPROVED

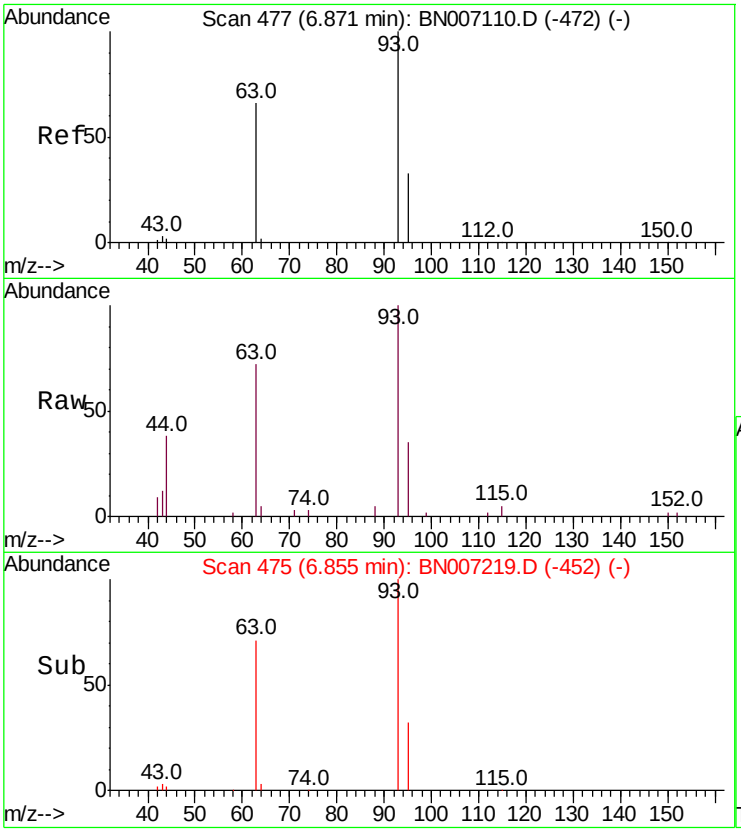


#4
Phenol-d6
Concen: 0.420 ng
RT: 6.61 min Scan# 444
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion: 99 Resp: 7510

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.8	23.6
71	34.3	27.0	40.4

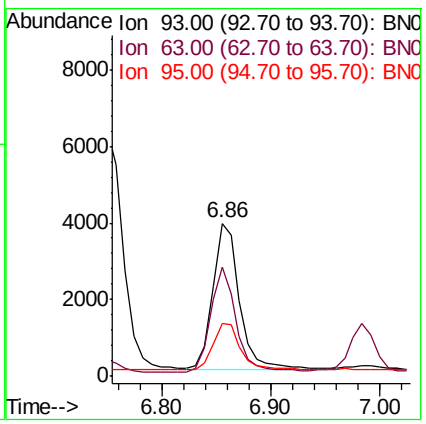




#5
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 6.86 min Scan# 475
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

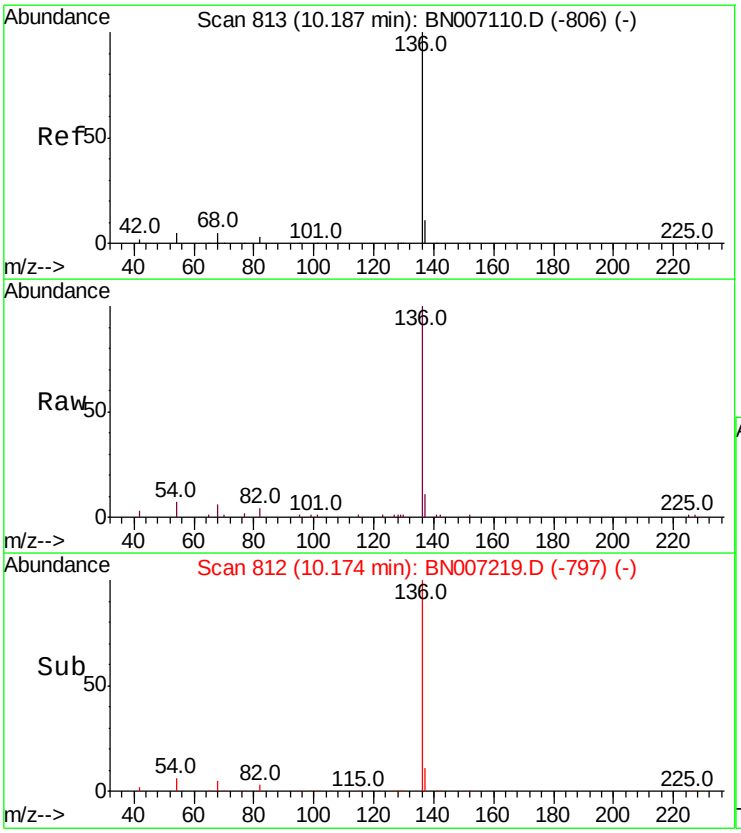
Tgt Ion: 93 Resp: 6636

Ion	Ratio	Lower	Upper
93	100		
63	67.9	55.6	83.4
95	32.2	26.7	40.1



Instrument :
BNA_N
ClientSampleId :

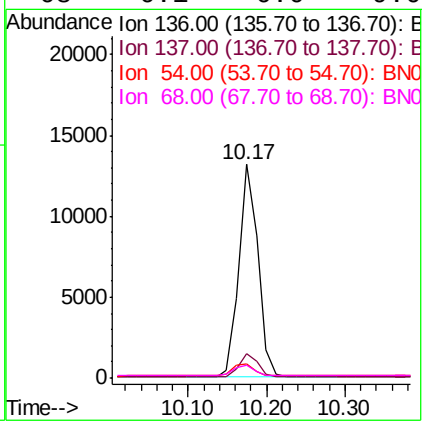
Manual Integrations APPROVED

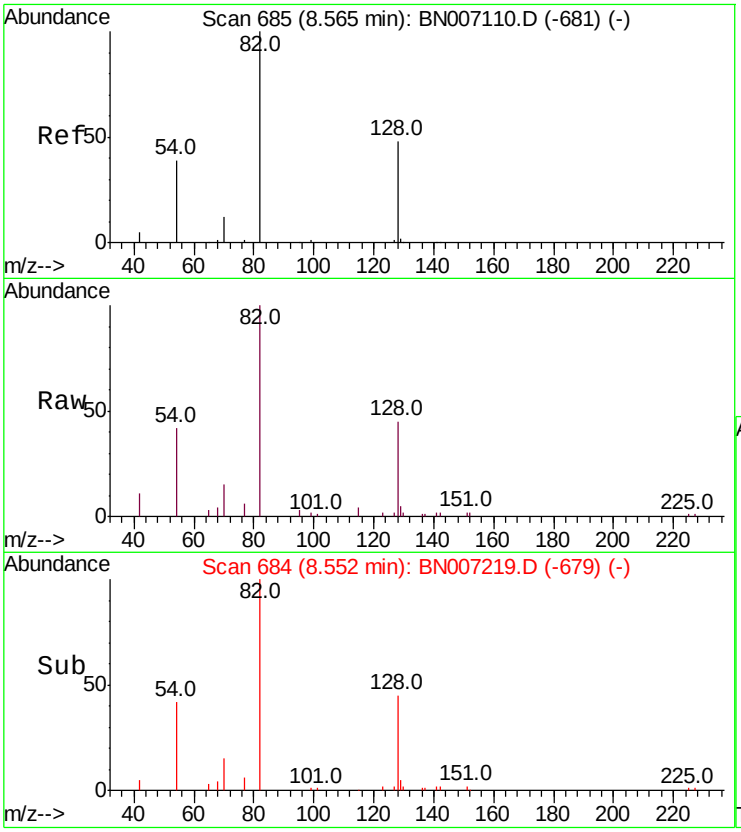


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:136 Resp: 22200

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.7	6.6	9.8
68	6.1	6.0	9.0

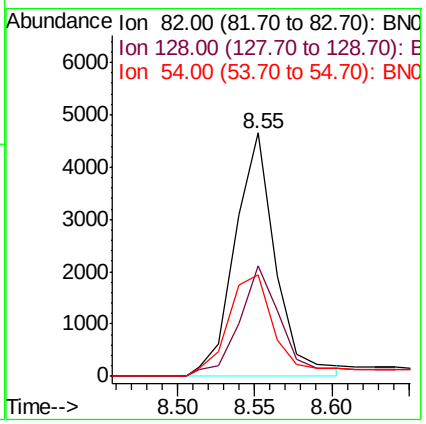




#7
Nitrobenzene-d5
Concen: 0.457 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

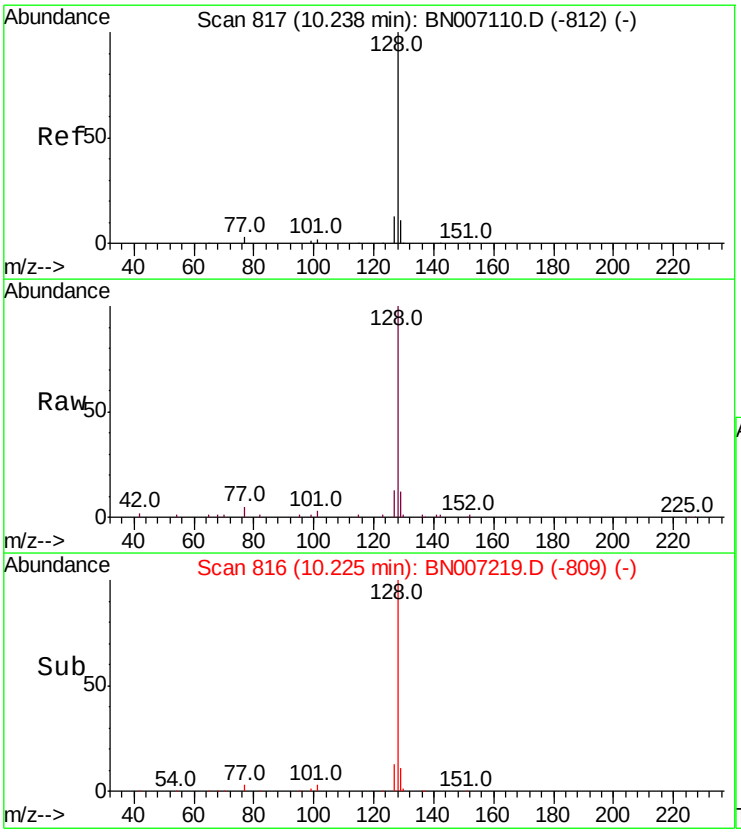
Tgt Ion: 82 Resp: 8178

Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.6	51.8
54	42.0	36.2	54.4



Instrument :
BNA_N
ClientSampleId :

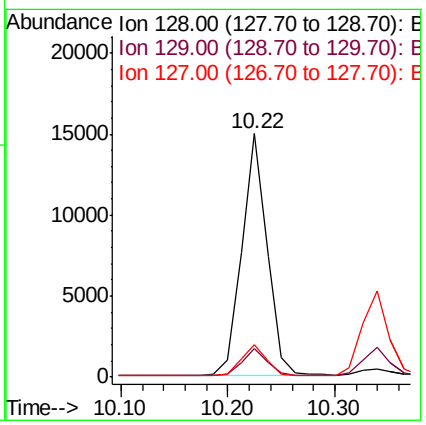
Manual Integrations APPROVED

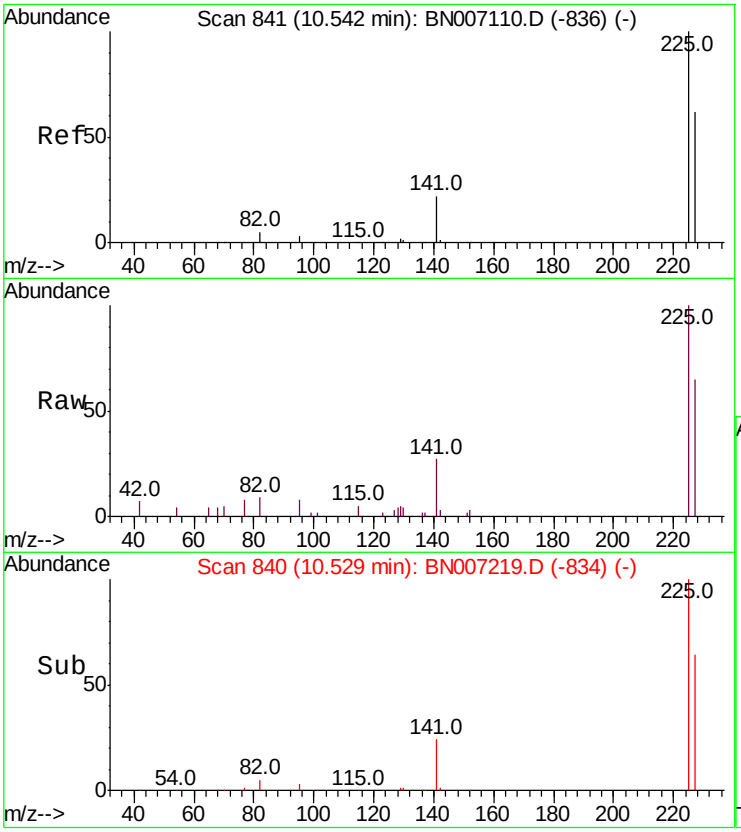


#8
Naphthalene
Concen: 0.391 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:128 Resp: 24314

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	13.5	11.0	16.6

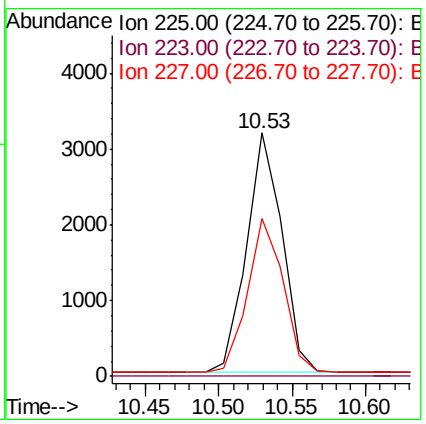




#9
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.53 min Scan# 840
Delta R.T. -0.03 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

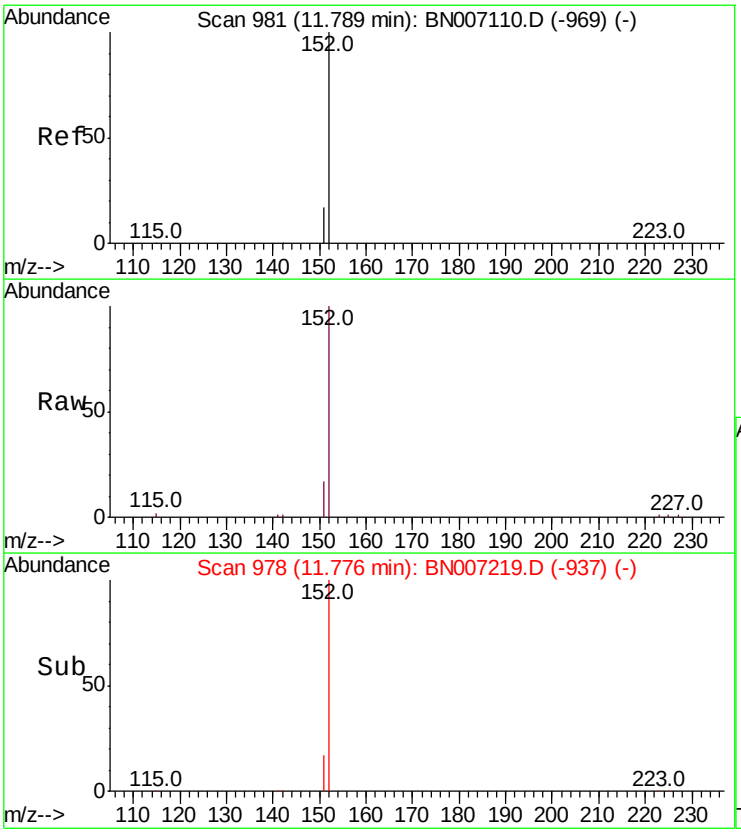
Tgt Ion:225 Resp: 5288

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.1	76.7



Instrument :
BNA_N
ClientSampleId :

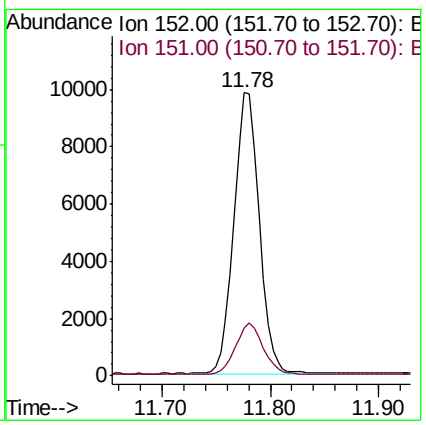
Manual Integrations APPROVED

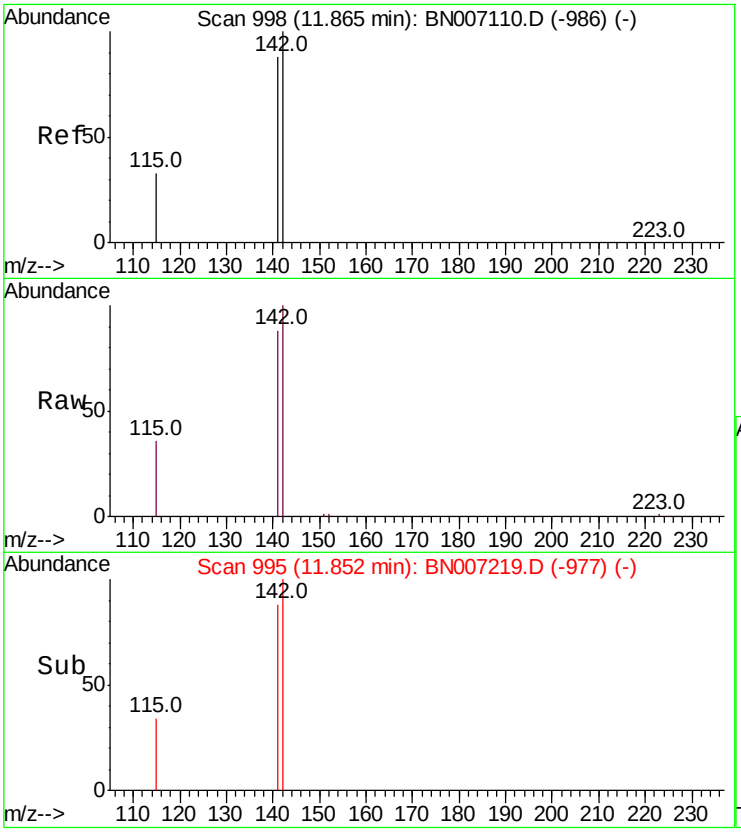


#10
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 11.78 min Scan# 978
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:152 Resp: 16026

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

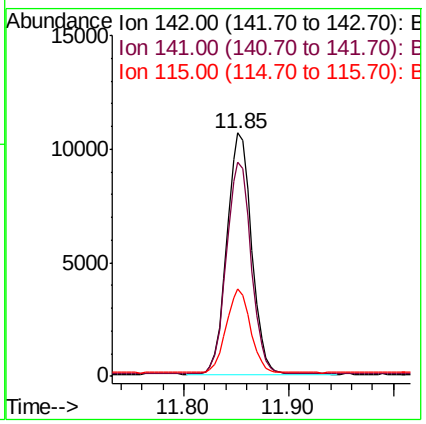




#11
2-Methylnaphthalene
Concen: 0.390 ng
RT: 11.85 min Scan# 995
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

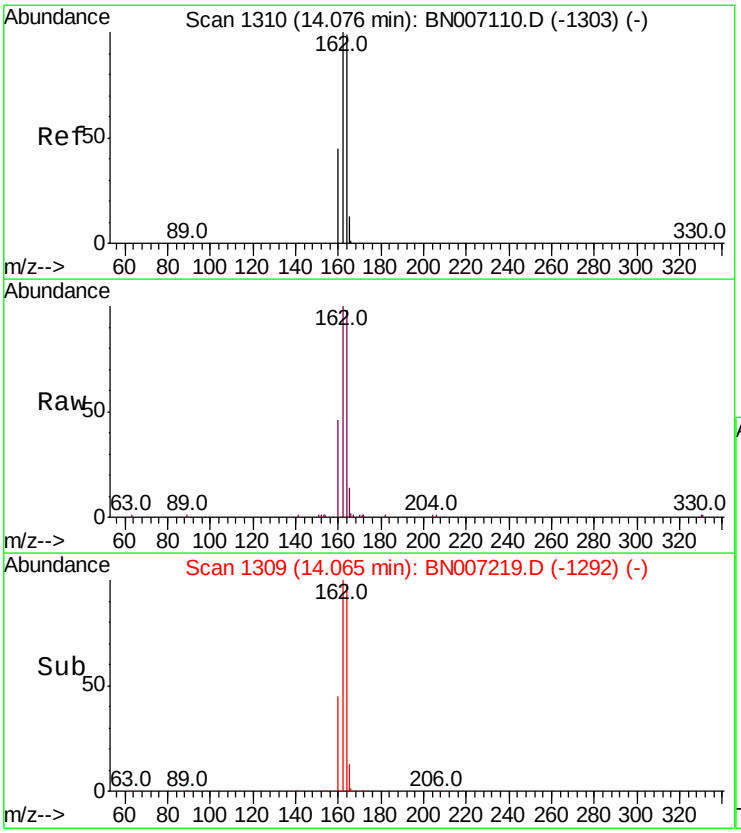
Tgt Ion:142 Resp: 17182

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.0	103.6
115	35.7	27.1	40.7



Instrument :
BNA_N
ClientSampleId :

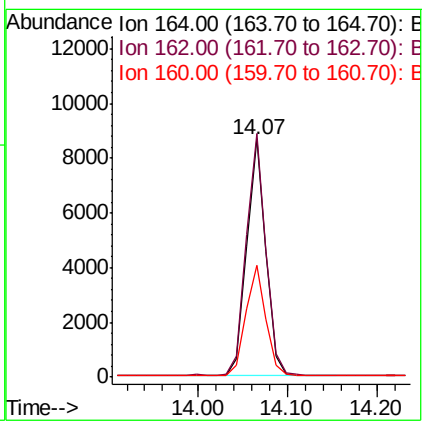
Manual Integrations APPROVED

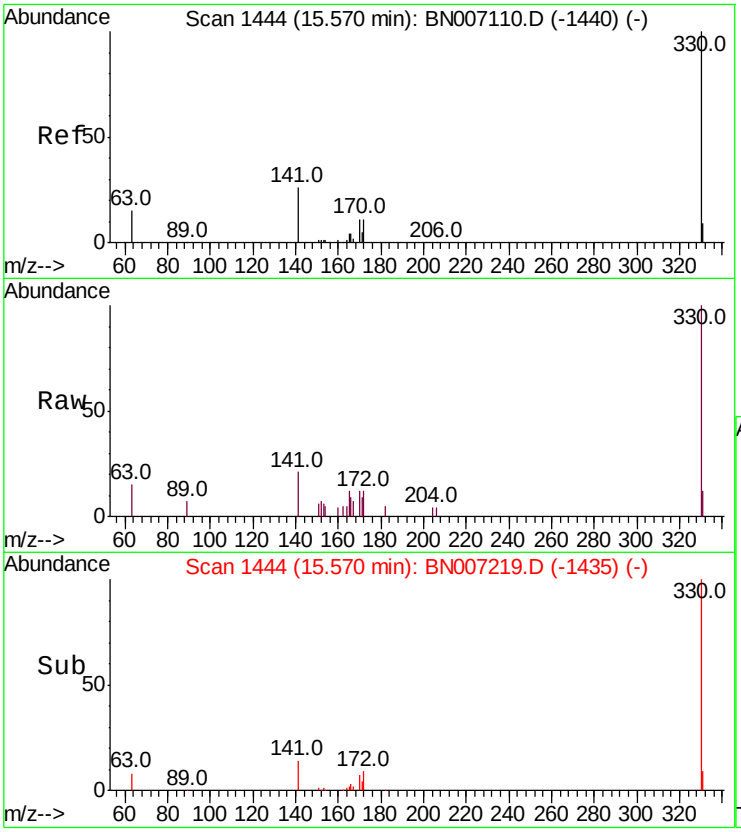


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:164 Resp: 12933

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	46.7	38.3	57.5

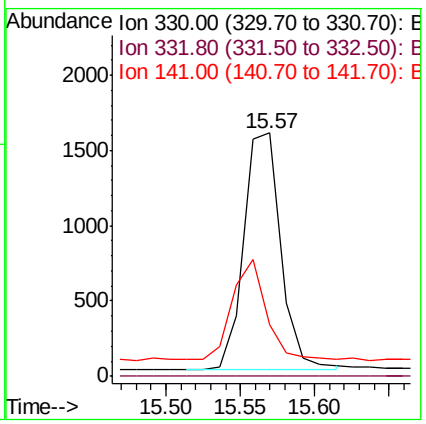




#13
2,4,6-Tribromophenol
Concen: 0.387 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

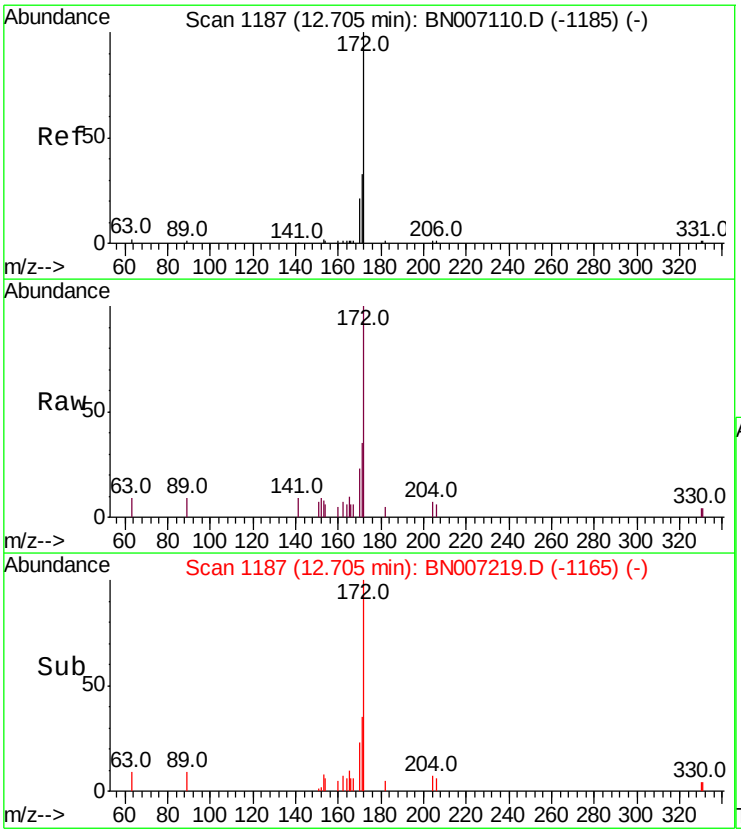
Tgt Ion:330 Resp: 2695

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.6	33.6	50.4



Instrument :
BNA_N
ClientSampleId :

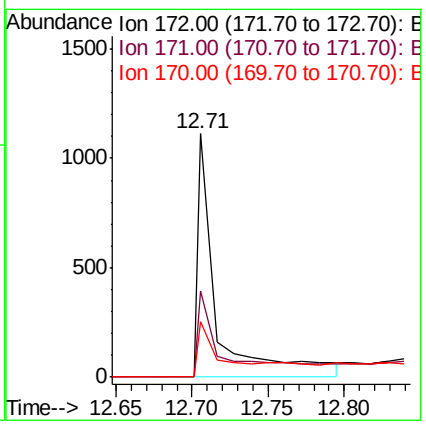
Manual Integrations APPROVED

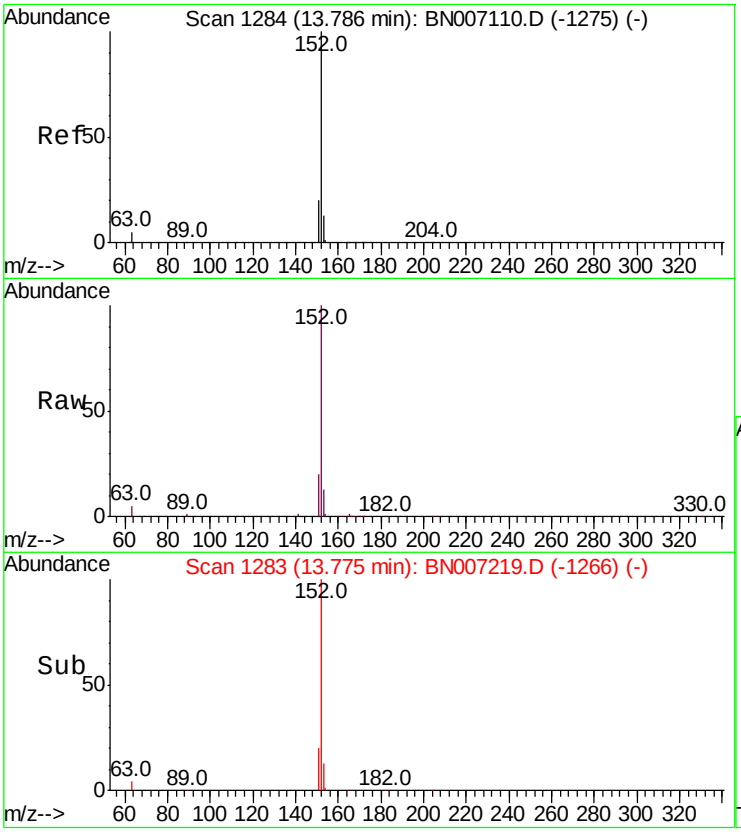


#14
2-Fluorobiphenyl
Concen: 0.057 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:172 Resp: 1070

Ion	Ratio	Lower	Upper
172	100		
171	35.5	26.3	39.5
170	22.9	17.0	25.4

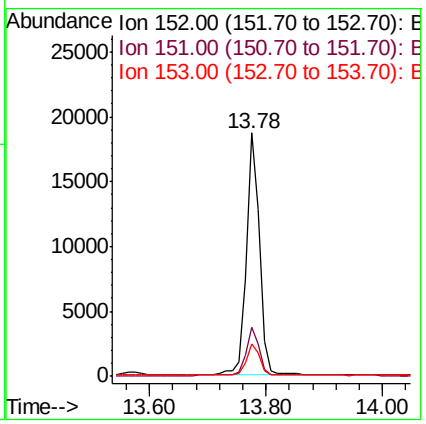




#15
Acenaphthylene
Concen: 0.435 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

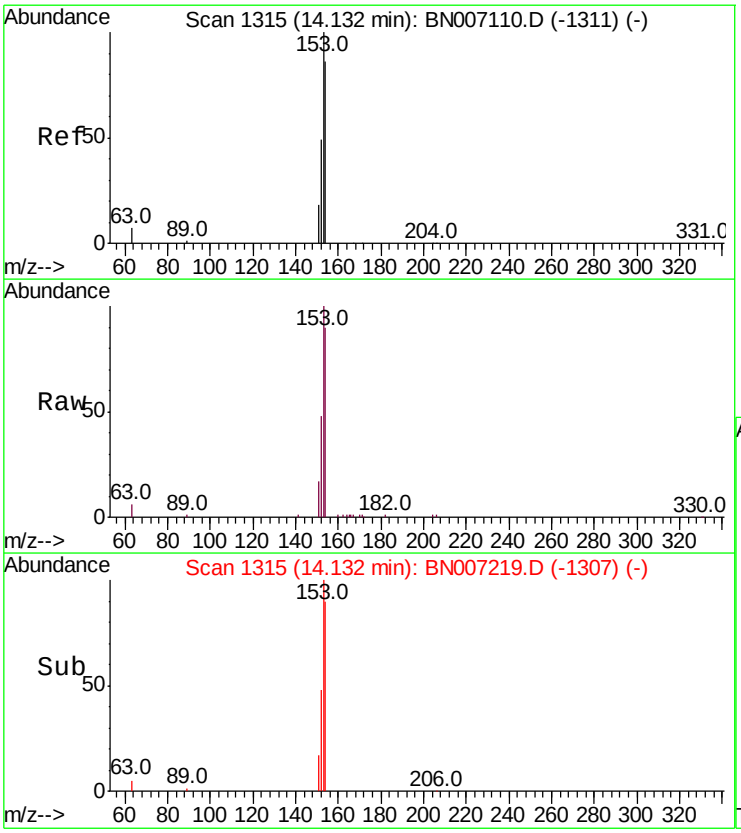
Tgt Ion:152 Resp: 29389

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.0	10.4	15.6



Instrument :
BNA_N
ClientSampleId :

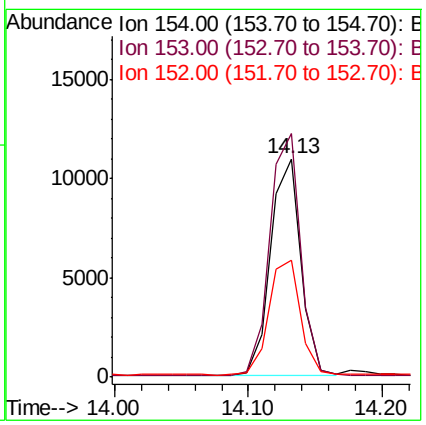
Manual Integrations APPROVED

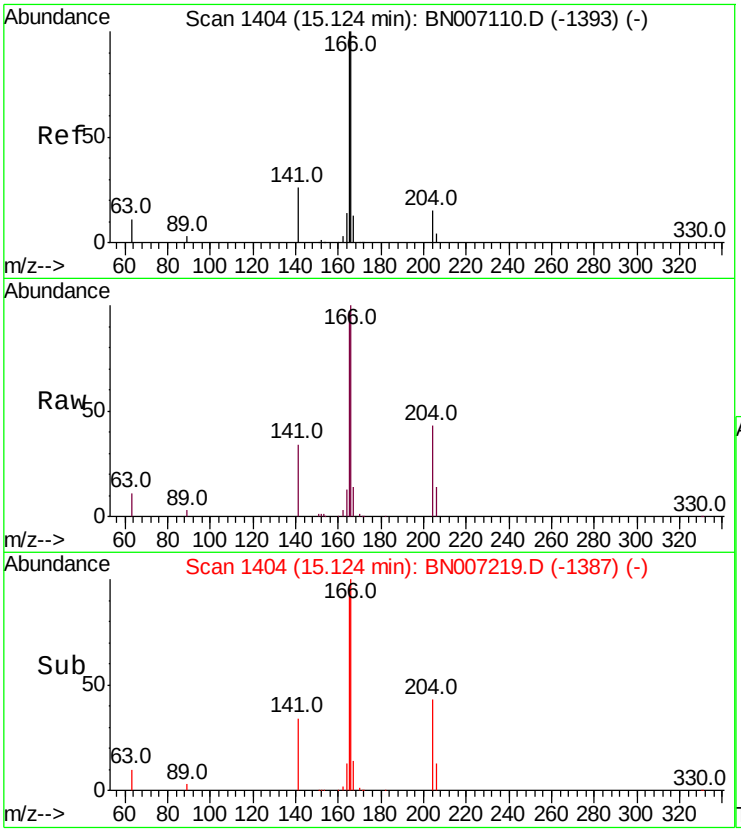


#16
Acenaphthene
Concen: 0.400 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:154 Resp: 17317

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.5	134.3
152	56.1	44.8	67.2

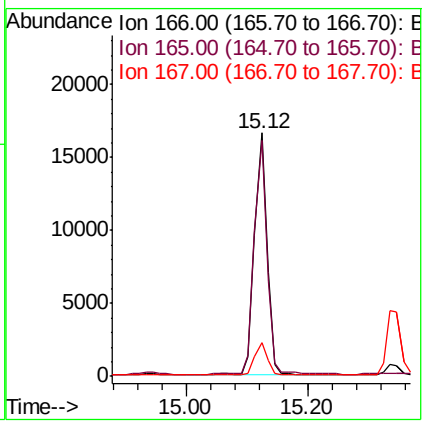




#17
Fluorene
Concen: 0.373 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

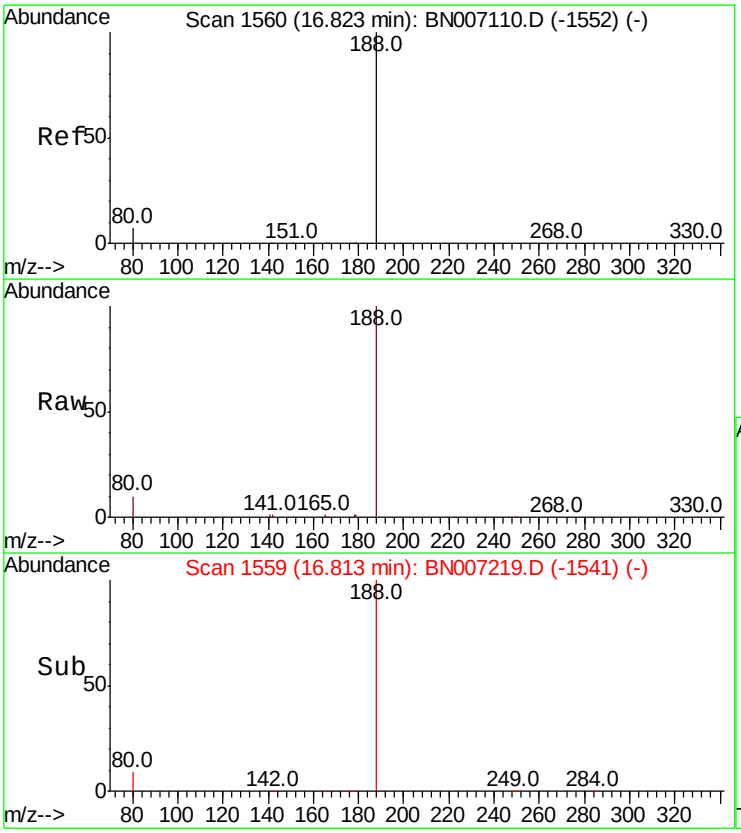
Tgt Ion:166 Resp: 24135

Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.9	116.9
167	13.5	10.9	16.3



Instrument :
BNA_N
ClientSampleId :

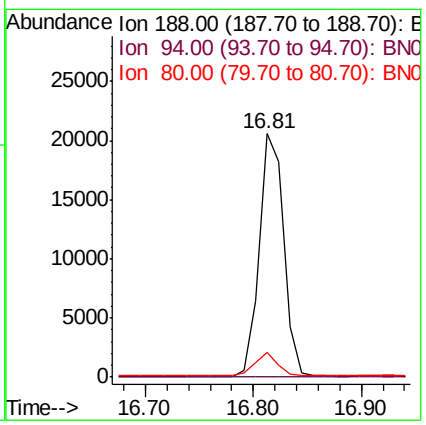
Manual Integrations APPROVED

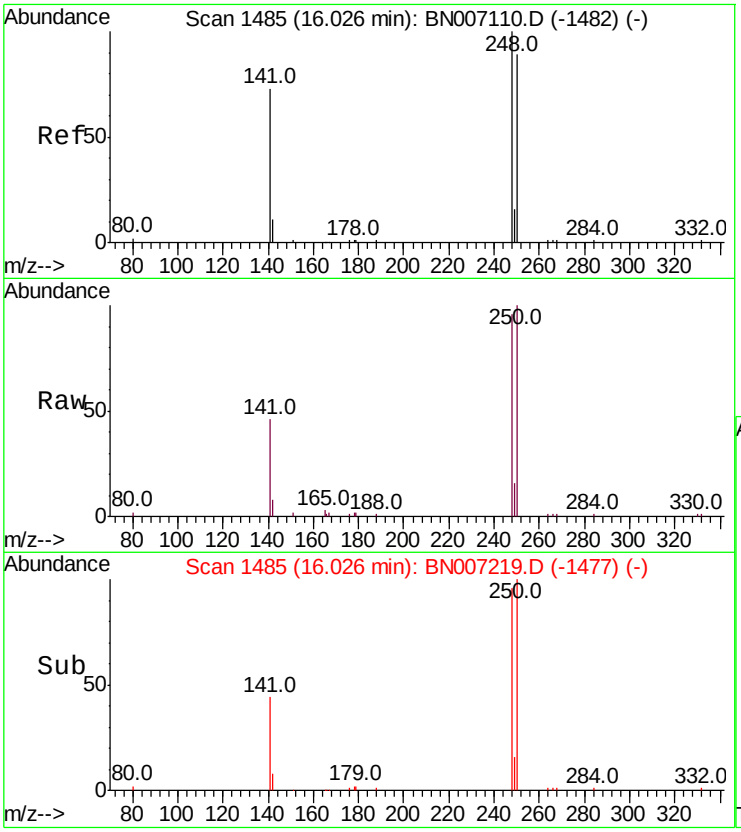


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:188 Resp: 32026

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	7.8	11.6

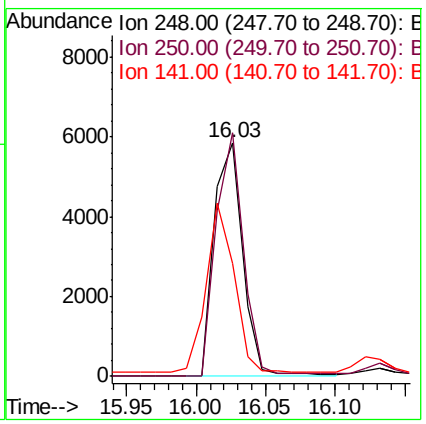




#19
4-Bromophenyl-phenylether
Concen: 0.417 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

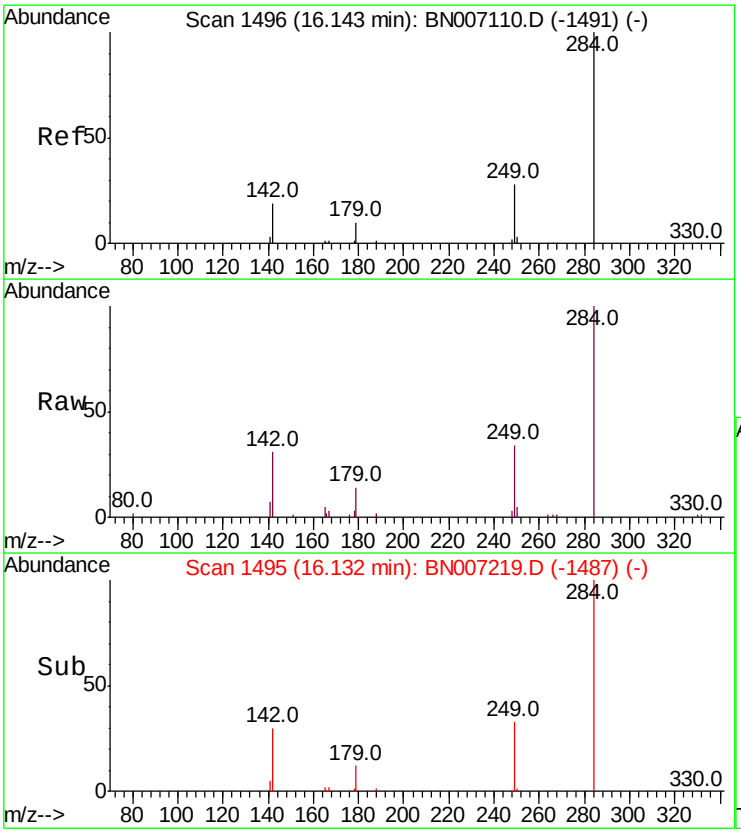
Tgt Ion:248 Resp: 8266

Ion	Ratio	Lower	Upper
248	100		
250	104.3	78.9	118.3
141	48.2	43.3	64.9



Instrument :
BNA_N
ClientSampleId :

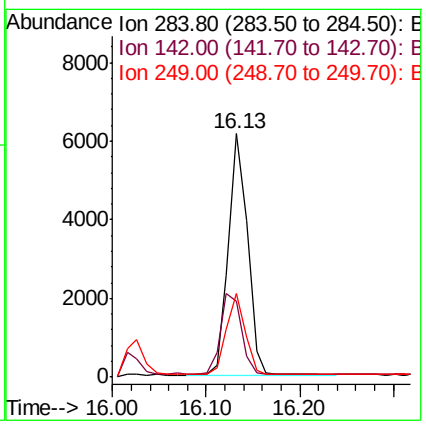
Manual Integrations APPROVED

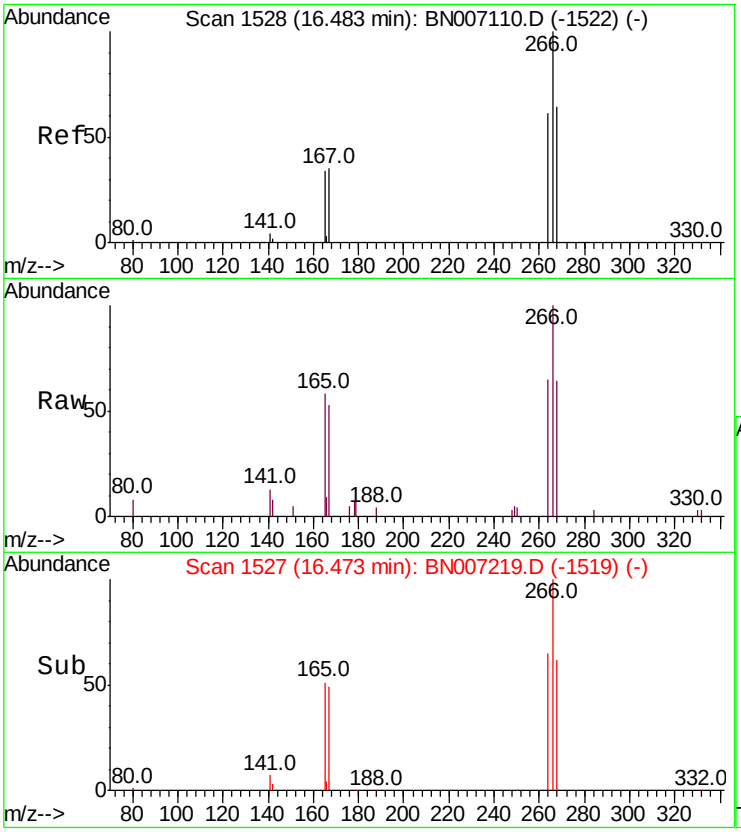


#20
Hexachlorobenzene
Concen: 0.453 ng
RT: 16.13 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:284 Resp: 8636

Ion	Ratio	Lower	Upper
284	100		
142	36.9	30.5	45.7
249	33.0	26.7	40.1

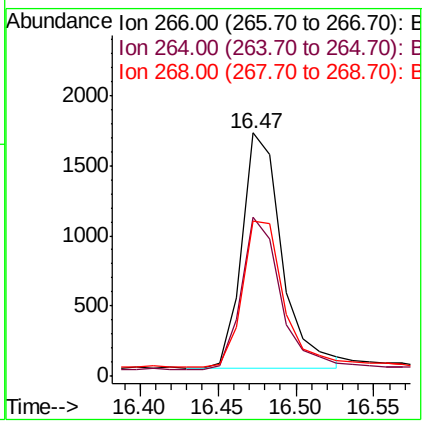




#21
Pentachlorophenol
Concen: 0.417 ng
RT: 16.47 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

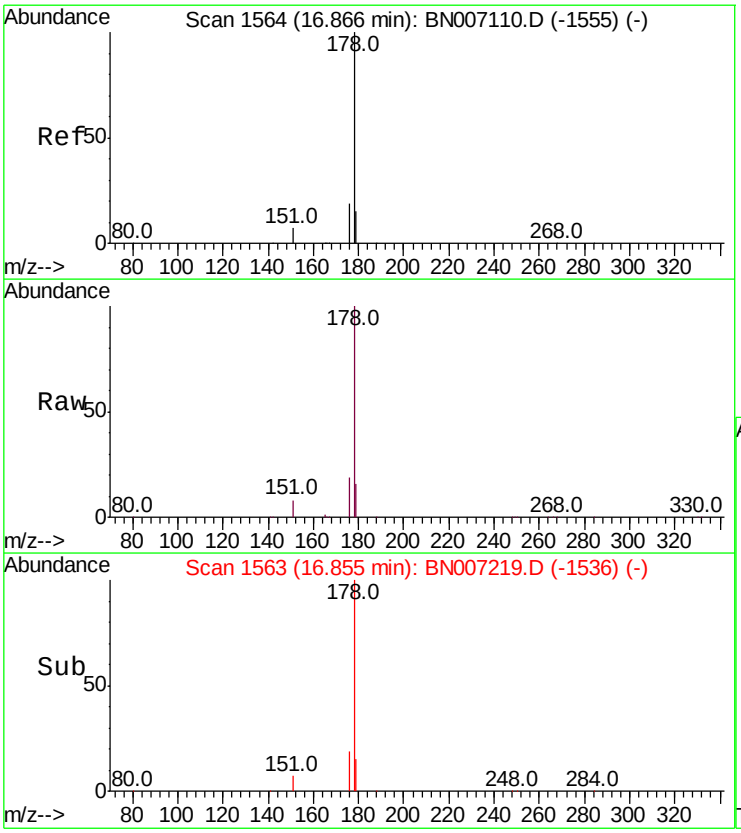
Tgt Ion:266 Resp: 2958

Ion	Ratio	Lower	Upper
266	100		
264	65.2	52.3	78.5
268	63.7	51.5	77.3



Instrument :
BNA_N
ClientSampleId :

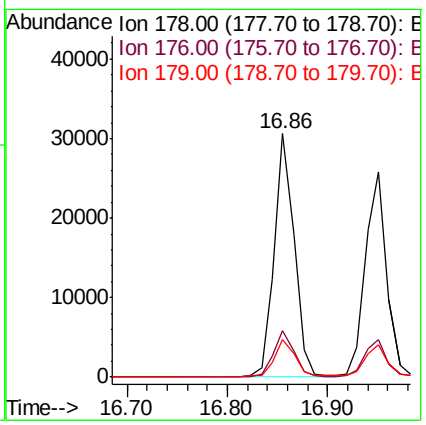
Manual Integrations APPROVED

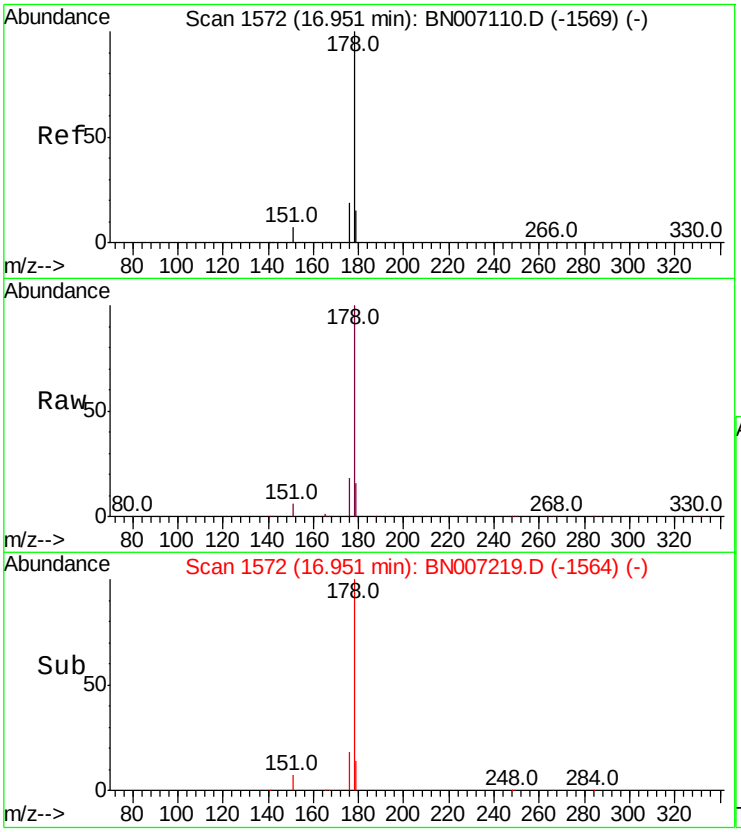


#22
Phenanthrene
Concen: 0.435 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:178 Resp: 41721

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.5	12.3	18.5

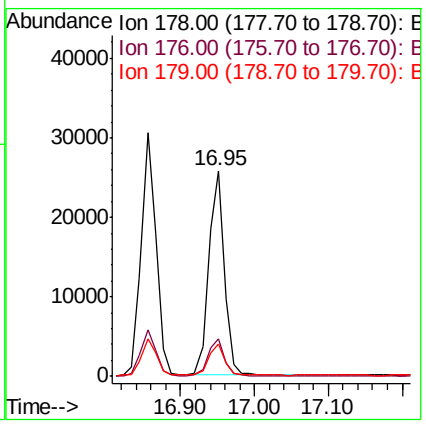




#23
Anthracene
Concen: 0.433 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

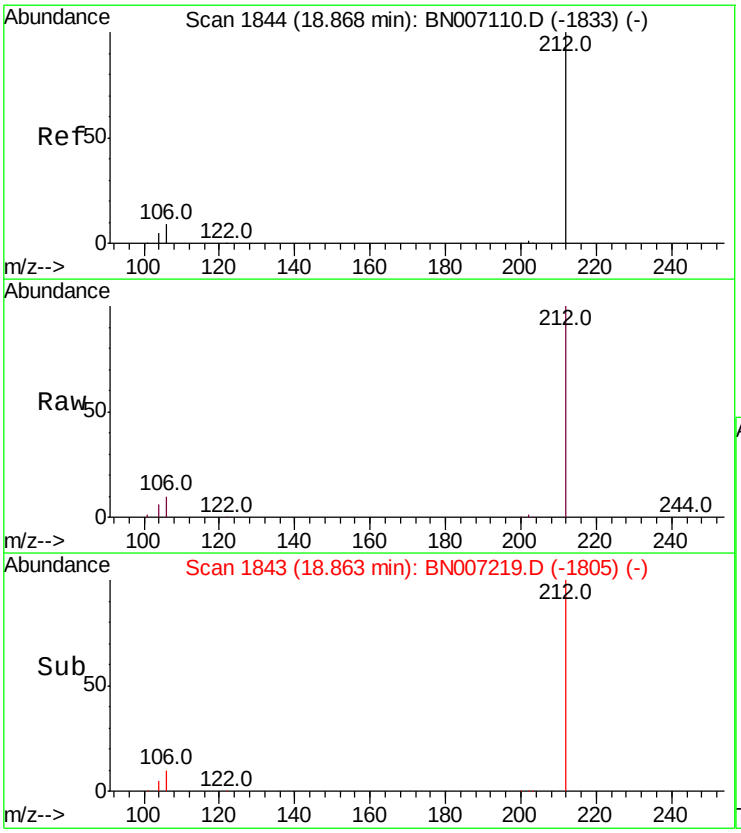
Tgt Ion:178 Resp: 37946

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.5	18.7



Instrument :
BNA_N
ClientSampleId :

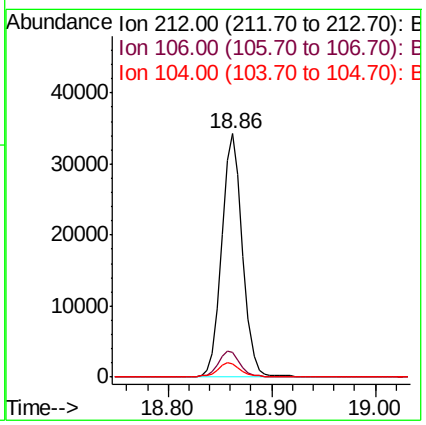
Manual Integrations APPROVED

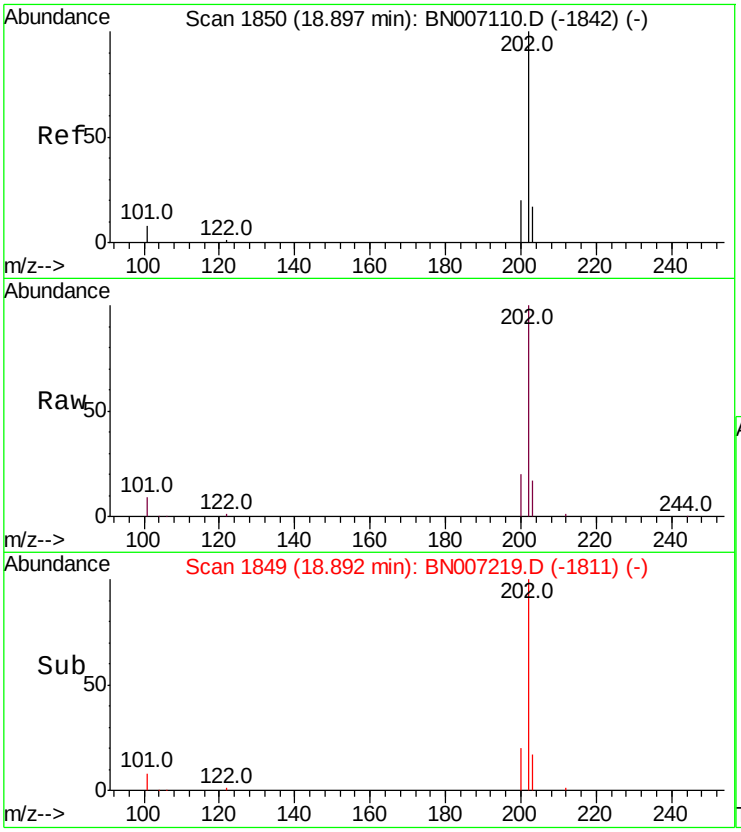


#24
Fluoranthene-d10
Concen: 0.412 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:212 Resp: 46834

Ion	Ratio	Lower	Upper
212	100		
106	10.6	8.2	12.2
104	5.8	4.5	6.7

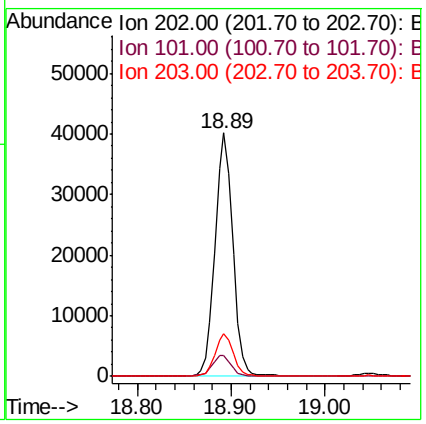




#25
Fluoranthene
Concen: 0.422 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

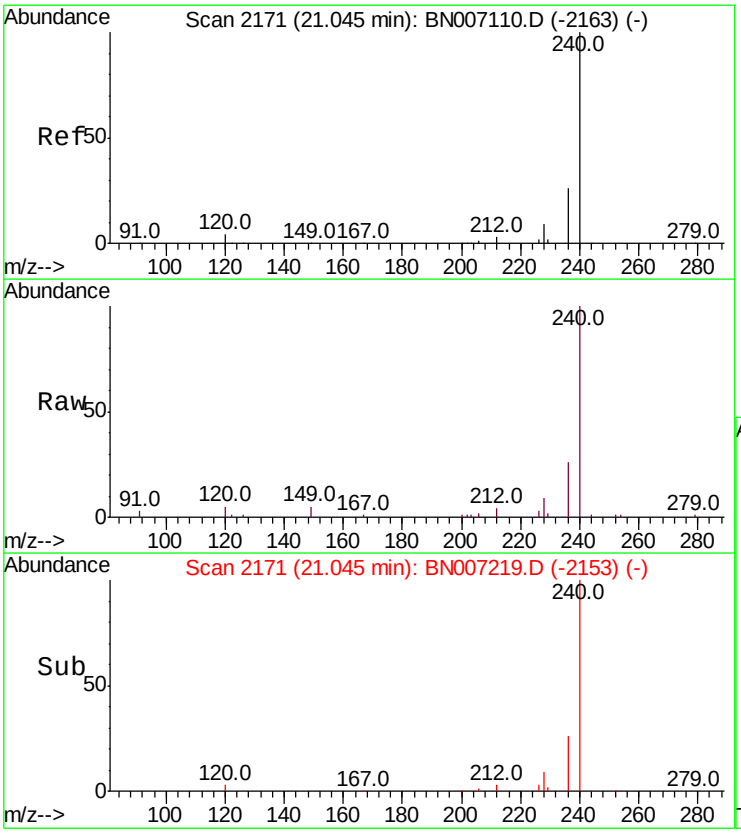
Tgt Ion:202 Resp: 51824

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



Instrument :
BNA_N
ClientSampleId :

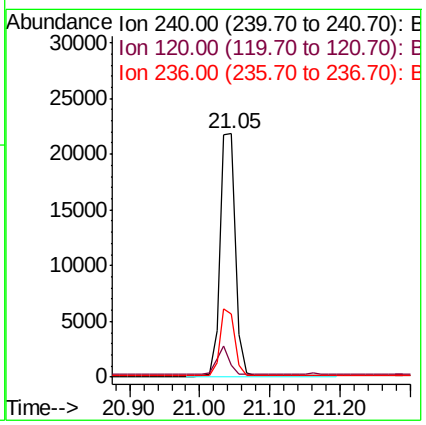
Manual Integrations APPROVED

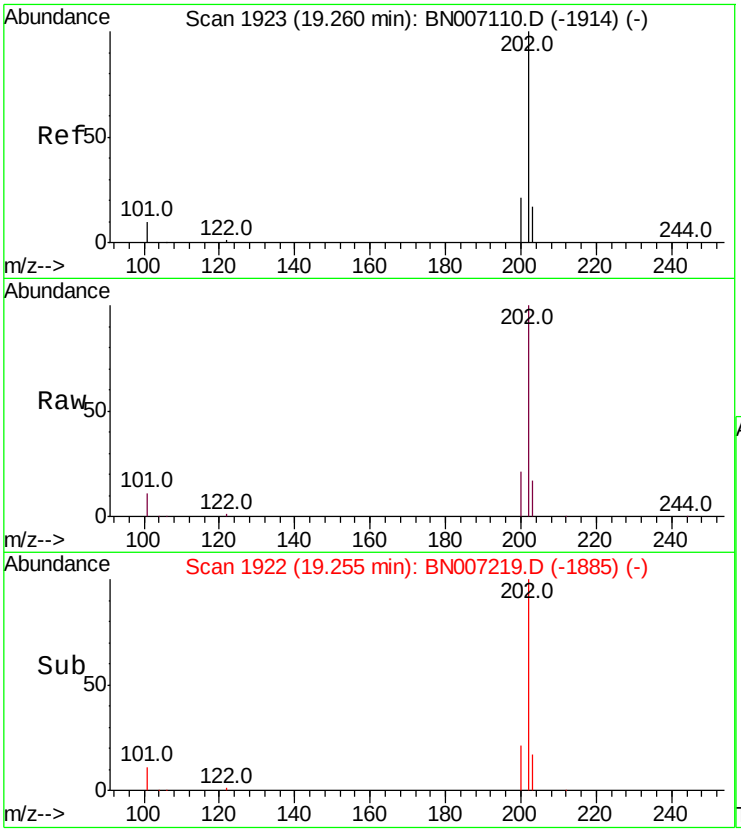


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:240 Resp: 33325

Ion	Ratio	Lower	Upper
240	100		
120	4.7	4.0	6.0
236	26.0	21.3	31.9

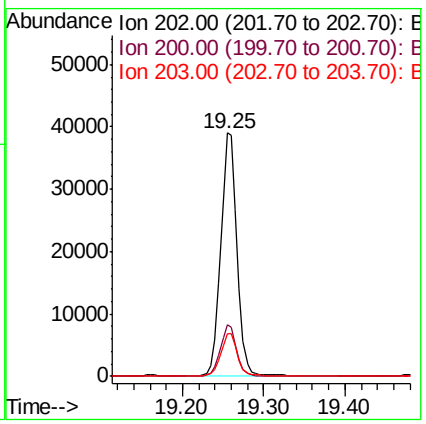




#27
Pyrene
Concen: 0.455 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

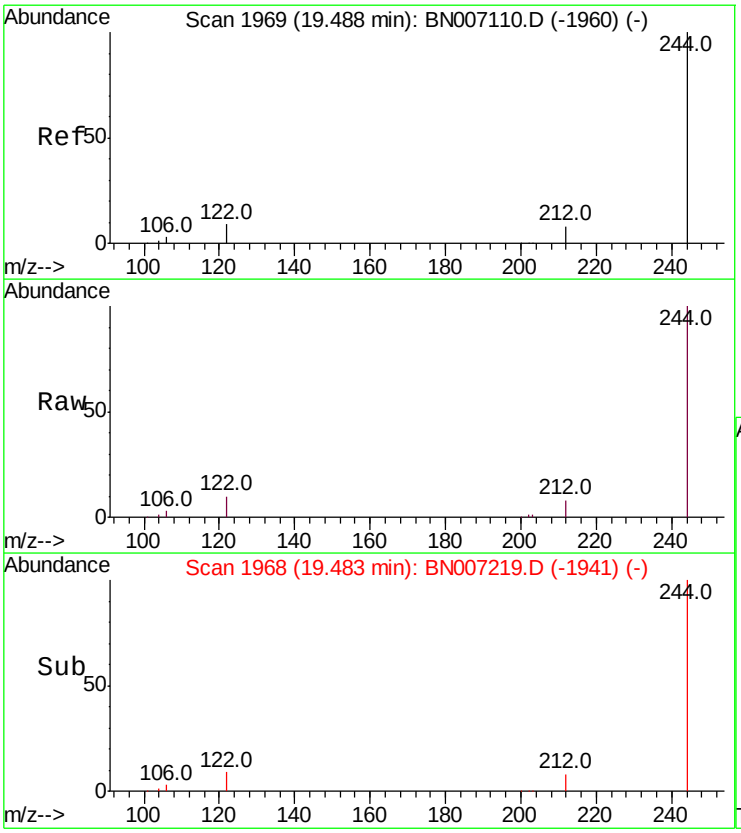
Tgt Ion:202 Resp: 53186

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.6	14.0	21.0



Instrument :
BNA_N
ClientSampleId :

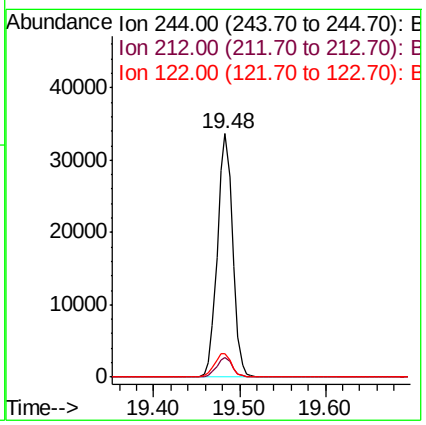
Manual Integrations APPROVED

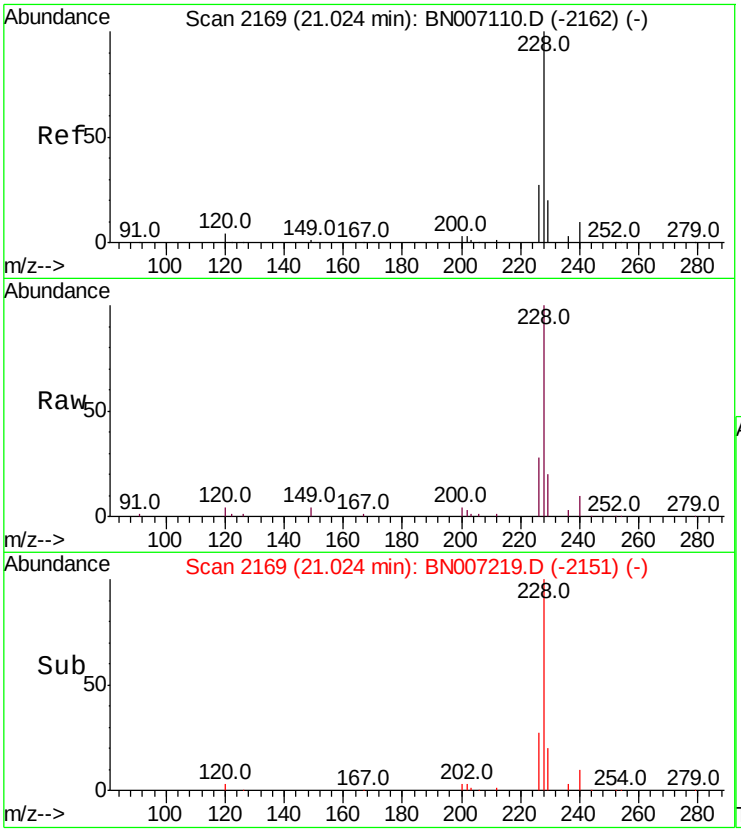


#28
Terphenyl-d14
Concen: 0.456 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:244 Resp: 41454

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	9.7	7.4	11.2

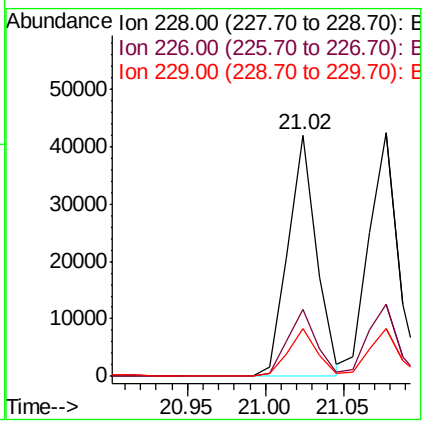




#29
Benzo(a)anthracene
Concen: 0.434 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

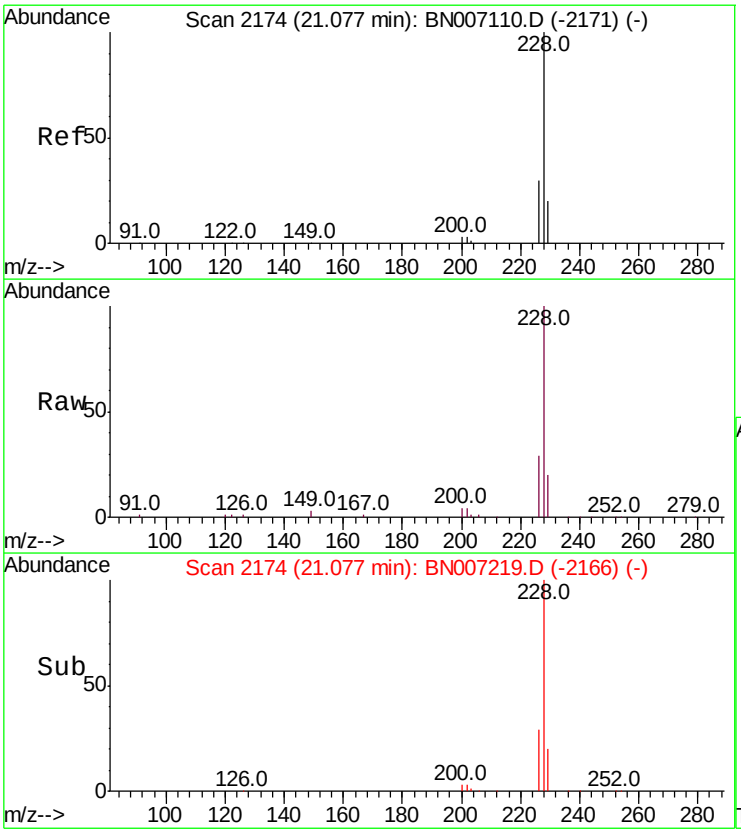
Tgt Ion:228 Resp: 52922

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	19.9	15.6	23.4



Instrument :
BNA_N
ClientSampleId :

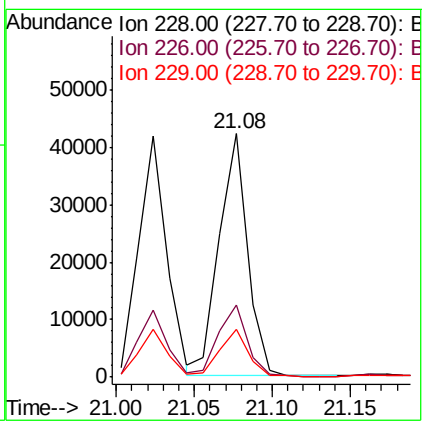
Manual Integrations APPROVED

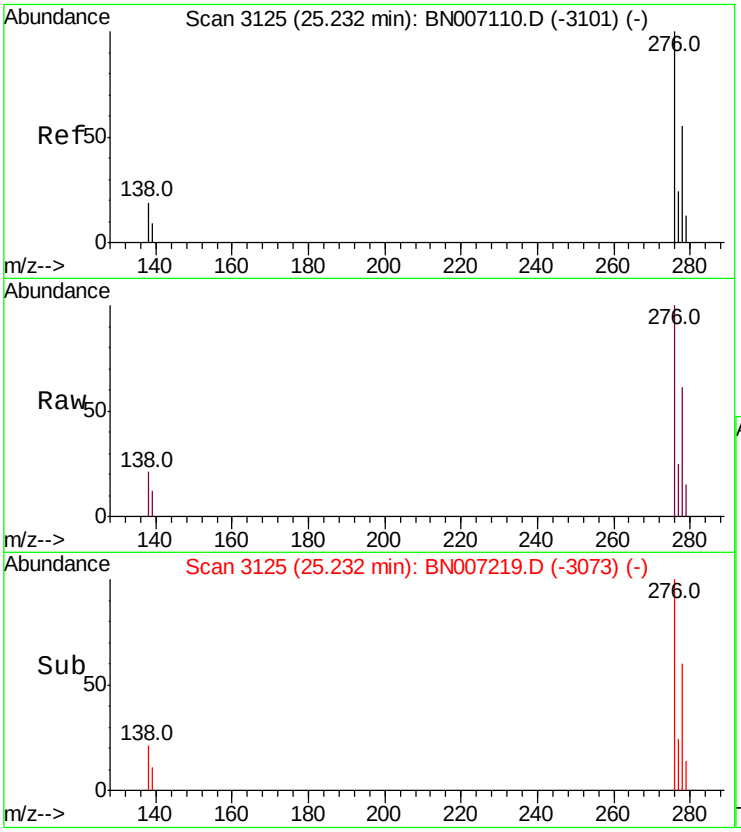


#30
Chrysene
Concen: 0.450 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:228 Resp: 53276

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	19.9	15.7	23.5

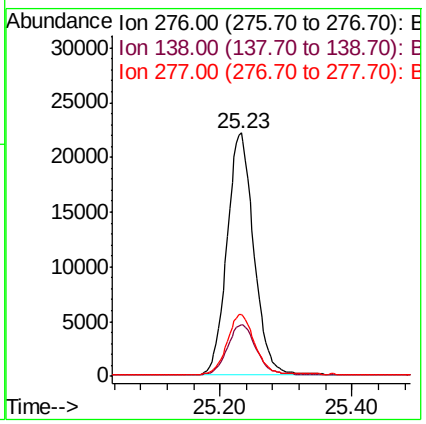




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.480 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

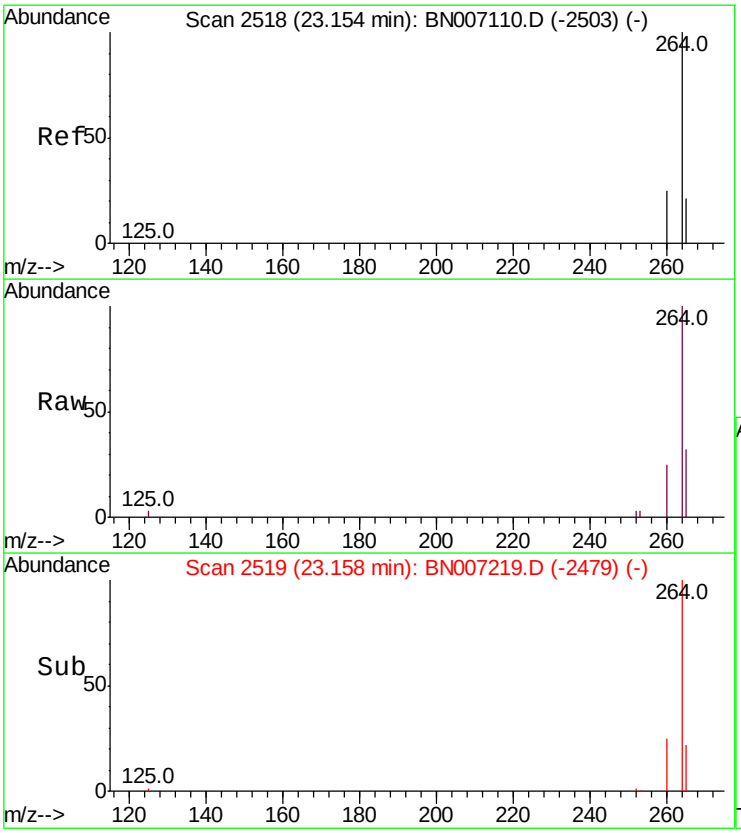
Tgt Ion:276 Resp: 62611

Ion	Ratio	Lower	Upper
276	100		
138	21.7	16.0	24.0
277	25.0	19.9	29.9



Instrument :
BNA_N
ClientSampleId :

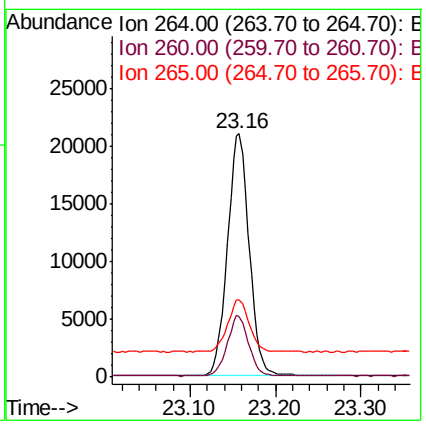
Manual Integrations APPROVED

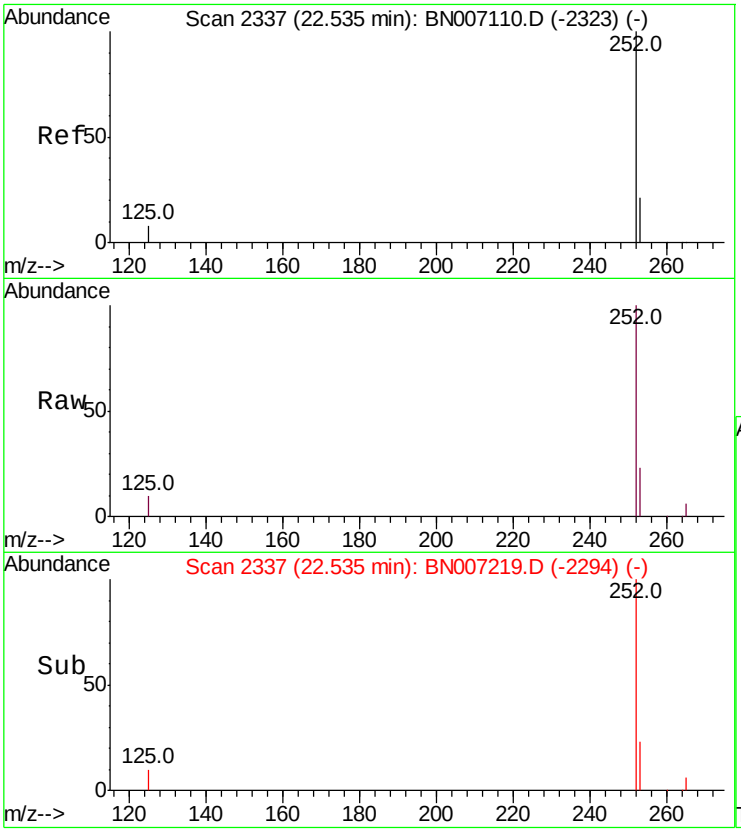


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:264 Resp: 37134

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	31.9	26.2	39.4





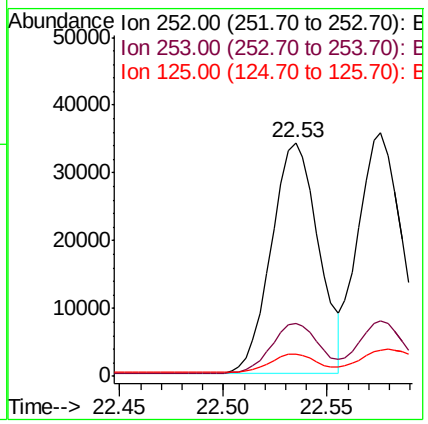
#33
Benzo(b)fluoranthene
Concen: 0.425 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

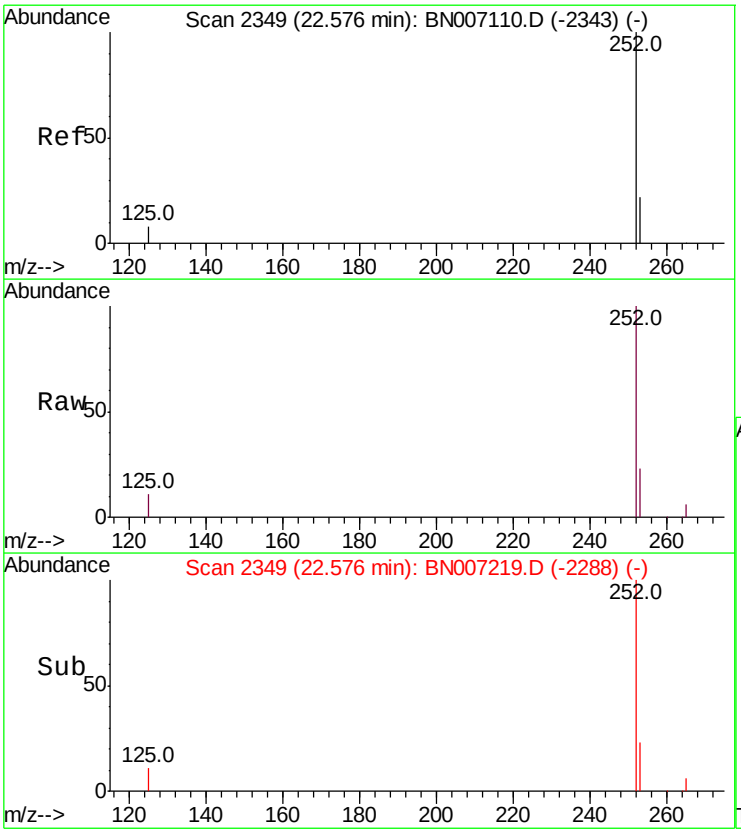
Tgt Ion:252 Resp: 54080

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.5	7.4	11.0

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

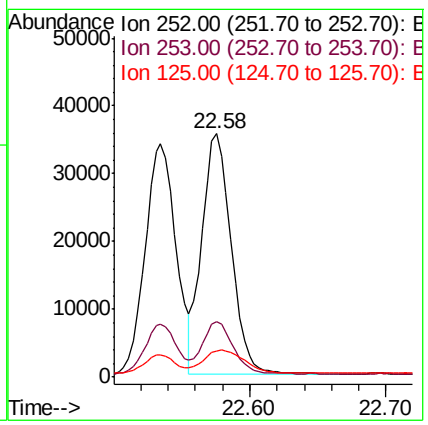


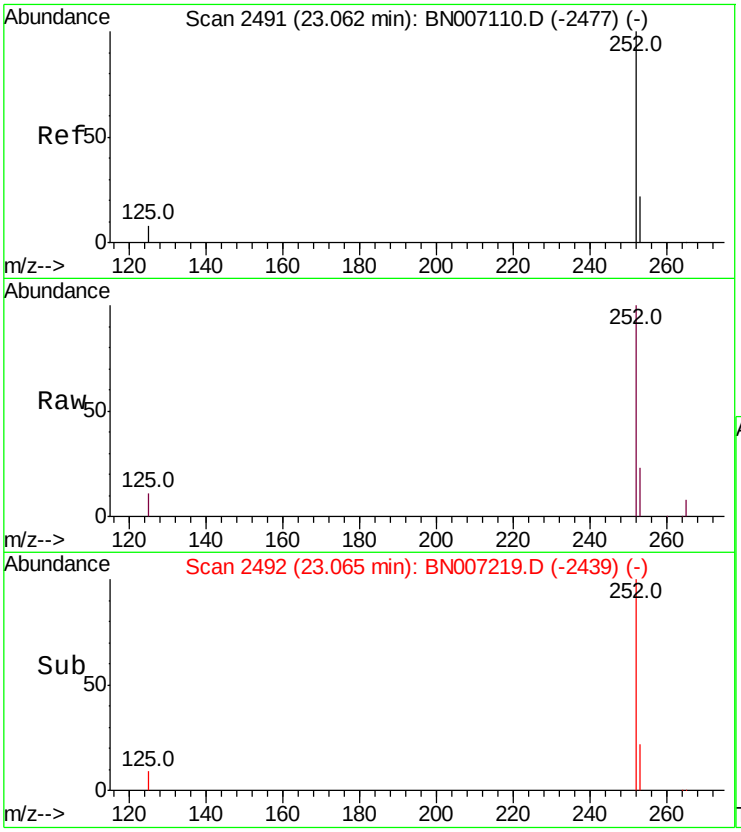


#34
Benzo(k)fluoranthene
Concen: 0.423 ng
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:252 Resp: 53213

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.6	7.4	11.0





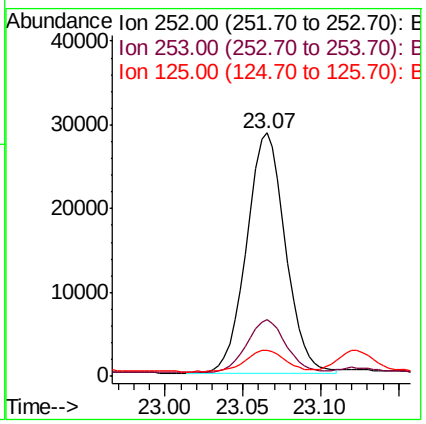
#35
Benzo(a)pyrene
Concen: 0.430 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

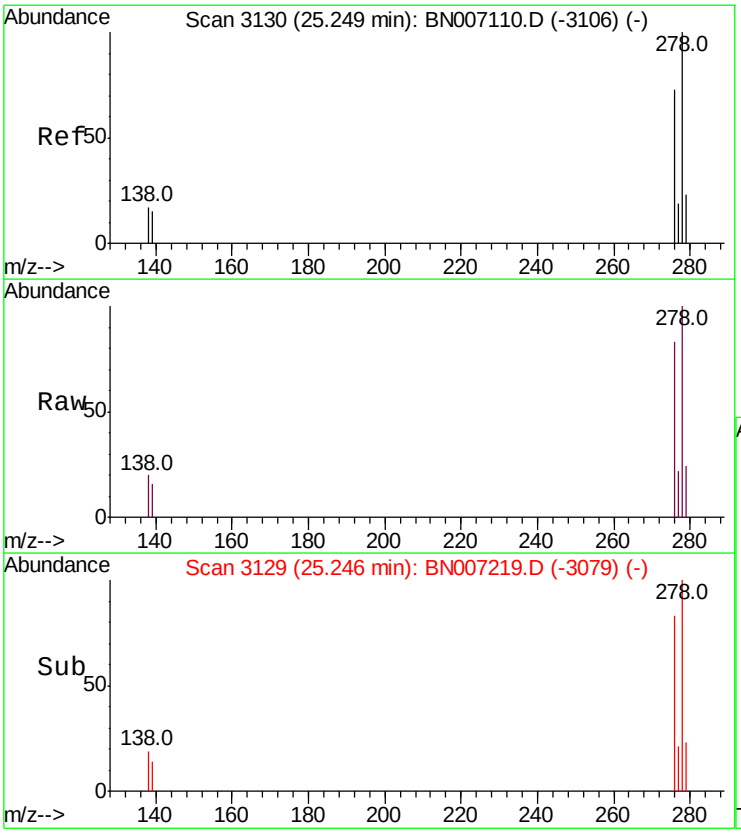
Tgt Ion:252 Resp: 49633

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	10.8	8.2	12.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

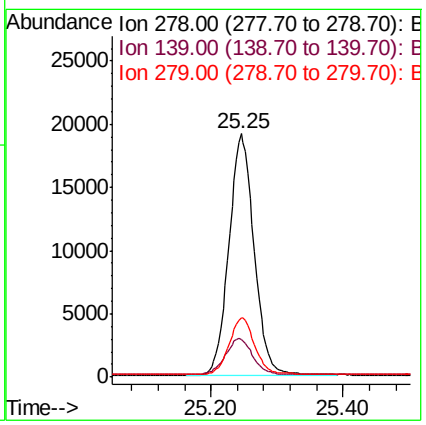


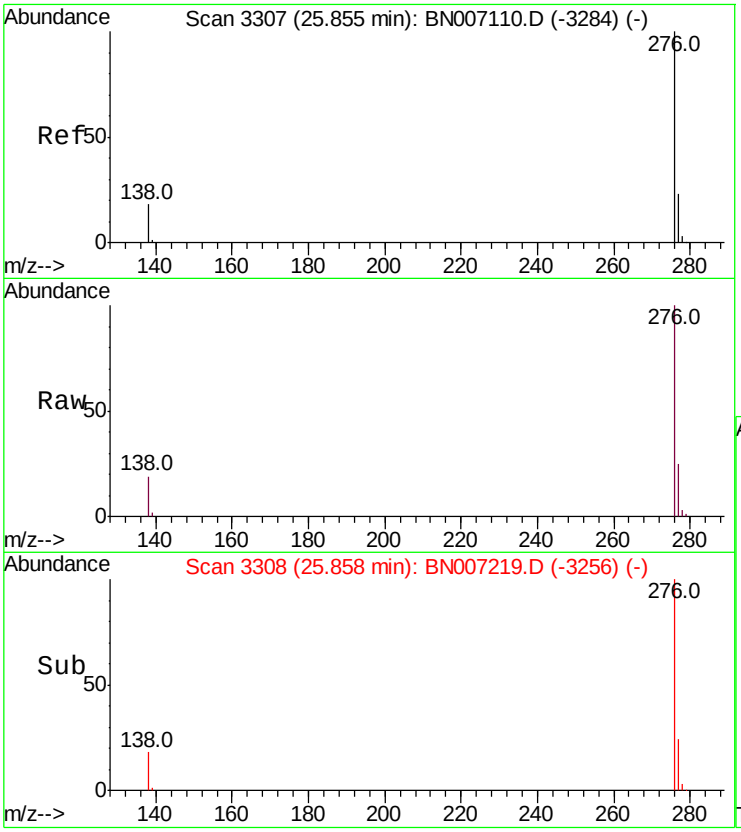


#36
Dibenzo(a,h)anthracene
Concen: 0.443 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:278 Resp: 51054

Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.3	16.9
279	24.2	19.3	28.9

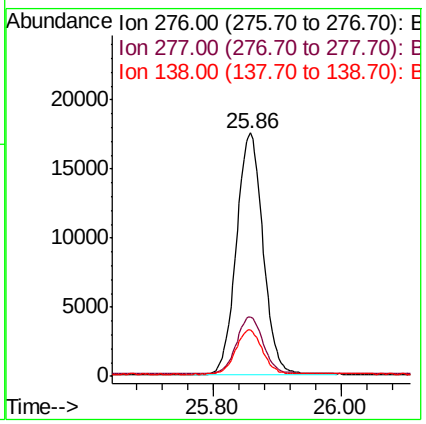




#37
Benzo(g,h,i)perylene
Concen: 0.426 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007219.D
Acq: 16 Aug 2019 12:12

Tgt Ion:276 Resp: 50531

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	19.0	14.6	22.0



Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED