Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007244.D
Acq On : 17 Aug 2019 05:05
Operator : HP/JU
Sample : K4282-09 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Quant Time: Aug 19 15:46:39 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	7.43	152	7255	0.40	ng		0.00
6) Naphthalene-d8	10.17	136	28263	0.40	ng		-0.01
12) Acenaphthene-d10	14.07	164	15986	0.40	ng		-0.01
18) Phenanthrene-d10	16.81	188	36113	0.40	ng		-0.01
26) Chrysene-d12	21.03	240	34539	0.40	ng		-0.02
32) Perylene-d12	23.15	264	38853	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	435	0.02	ng		0.00
4) Phenol-d6	6.61	99	590	0.03	ng		0.00
7) Nitrobenzene-d5	8.55	82	452m	0.02	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	967	0.02	ng		-0.01
13) 2,4,6-Tribromophenol	15.57	330	183	0.02	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	175	0.01	ng		0.00
24) Fluoranthene-d10	18.86	212	2248	0.02	ng		-0.01
28) Terphenyl-d14	19.48	244	1904	0.02	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.23	128	2065	0.026	ng	#	82
11) 2-Methylnaphthalene	11.86	142	1454	0.026	ng	#	81
15) Acenaphthylene	13.78	152	44022	0.527	ng		99
16) Acenaphthene	14.13	154	2510	0.047	ng		95
17) Fluorene	15.12	166	6731	0.084	ng	#	13
22) Phenanthrene	16.86	178	22426	0.207	ng		97
23) Anthracene	16.95	178	15758	0.159	ng		99
25) Fluoranthene	18.89	202	191798	1.385	ng		99
27) Pyrene	19.25	202	177002	1.461	ng	#	96
29) Benzo(a)anthracene	21.02	228	172321	1.364	ng	#	78
30) Chrysene	21.07	228	118339	0.964	ng	#	93
31) Indeno(1,2,3-cd)pyrene	25.22	276	85297	0.631	ng		98
33) Benzo(b)fluoranthene	22.53	252	192639	1.446	ng		97
34) Benzo(k)fluoranthene	22.57	252	62593m	0.476	ng		
35) Benzo(a)pyrene	23.06	252	143159	1.185	ng		98
36) Dibenzo(a,h)anthracene	25.23	278	26245	0.218	ng	#	76
37) Benzo(g,h,i)perylene	25.85	276	70465	0.568	ng		96

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

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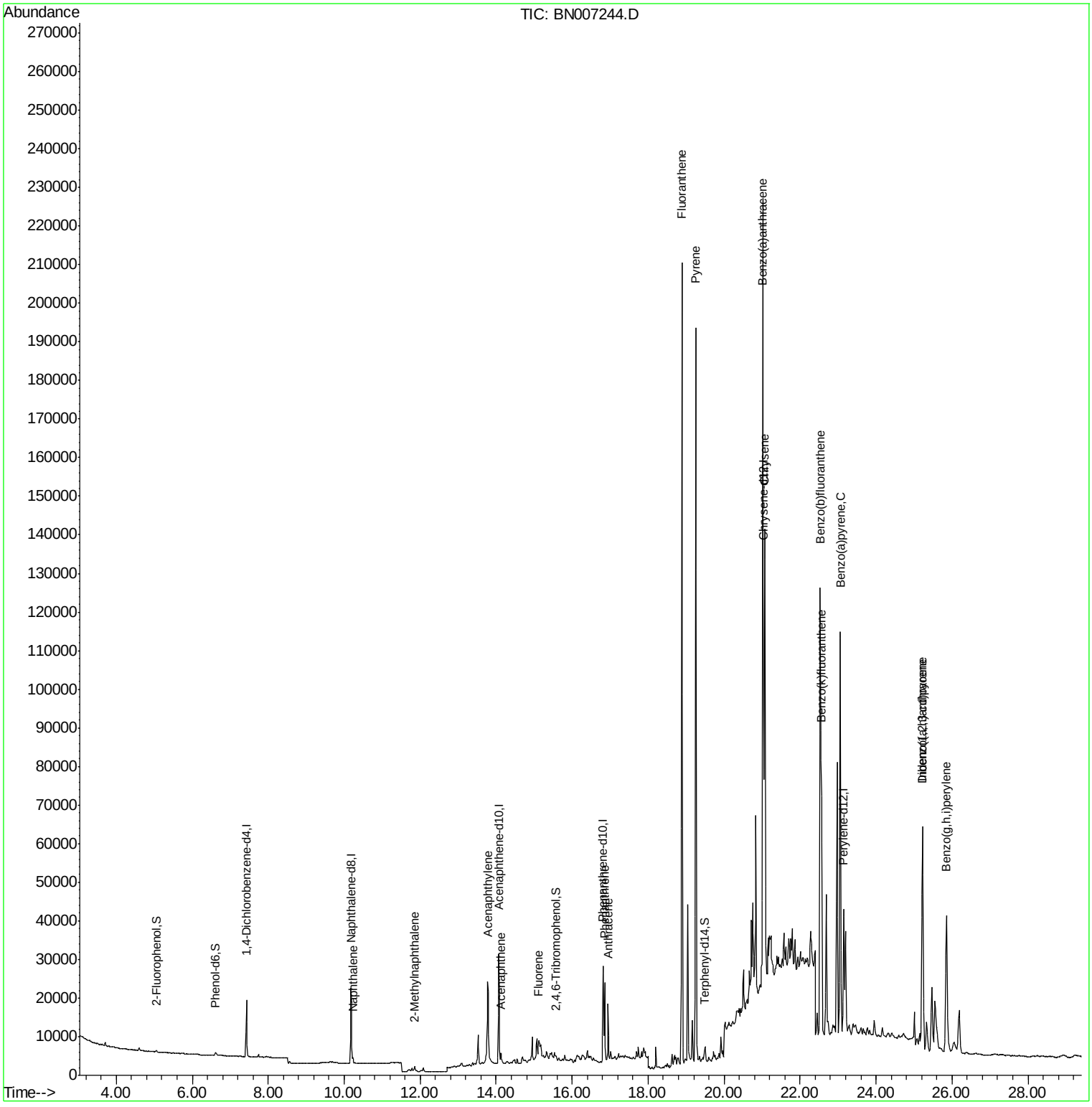
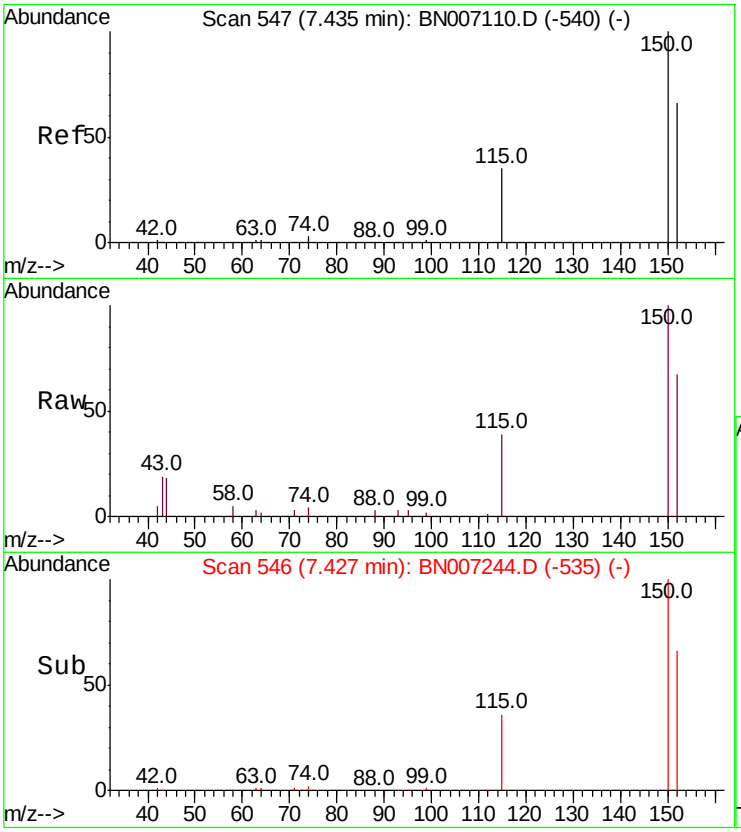
Manual Integrations APPROVED

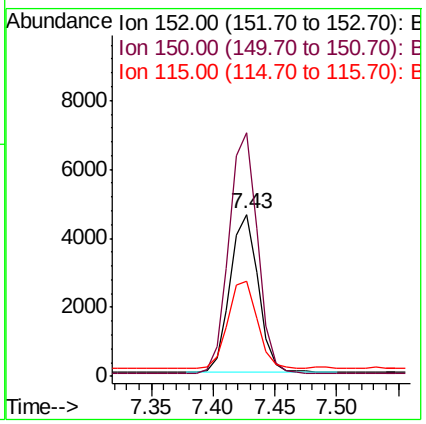




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

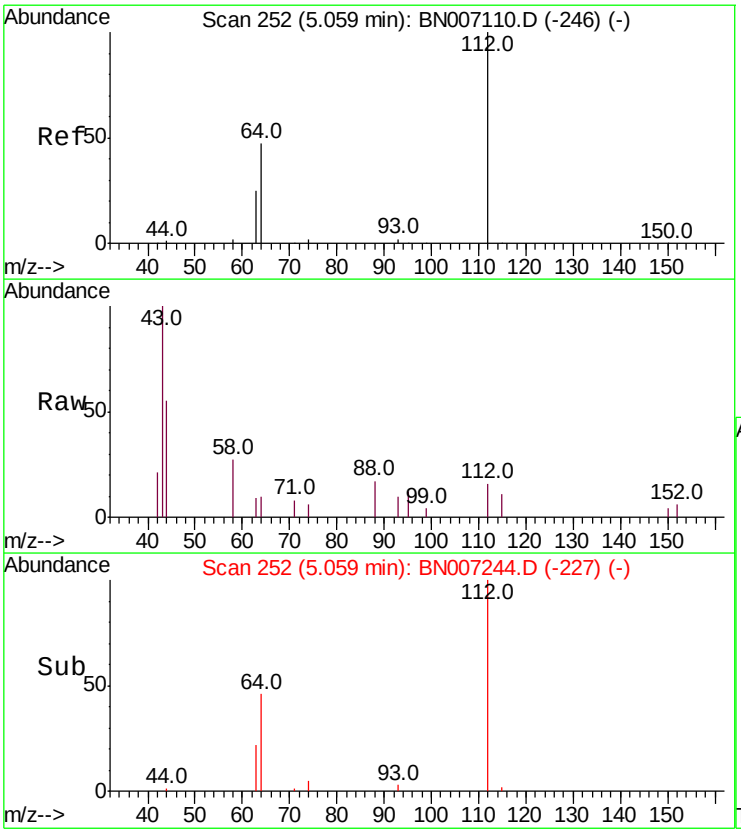
Tgt Ion:152 Resp: 7255

Ion	Ratio	Lower	Upper
152	100		
150	150.2	121.7	182.5
115	58.6	46.2	69.4



Instrument :
BNA_N
ClientSampleId :

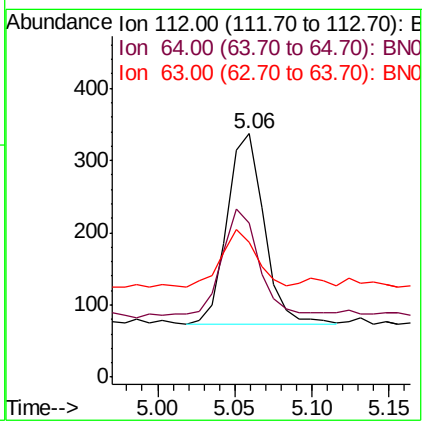
Manual Integrations APPROVED

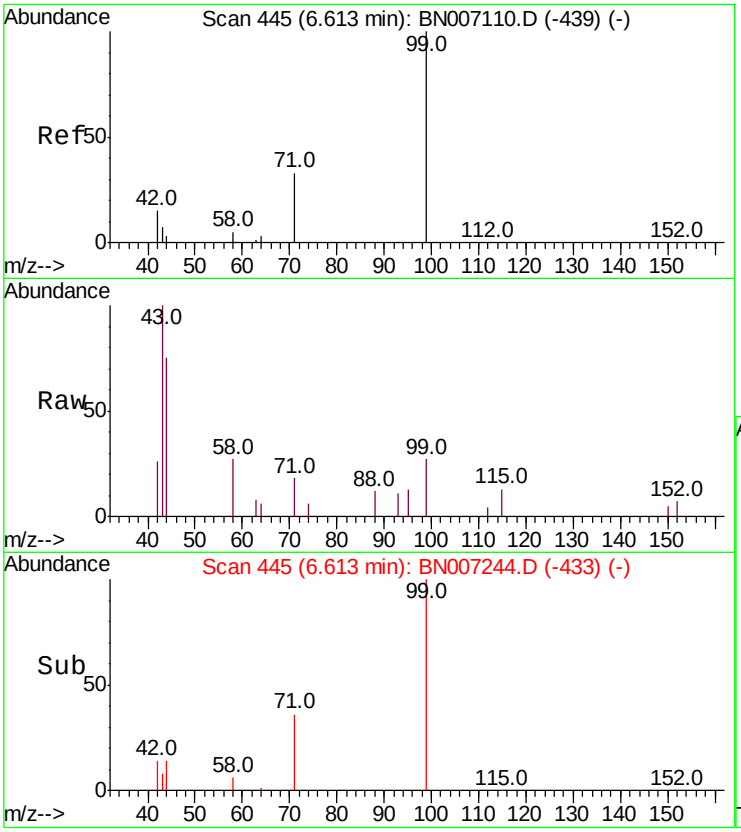


#3
2-Fluorophenol
Concen: 0.025 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:112 Resp: 435

Ion	Ratio	Lower	Upper
112	100		
64	60.9	42.6	63.8
63	29.2	22.2	33.2

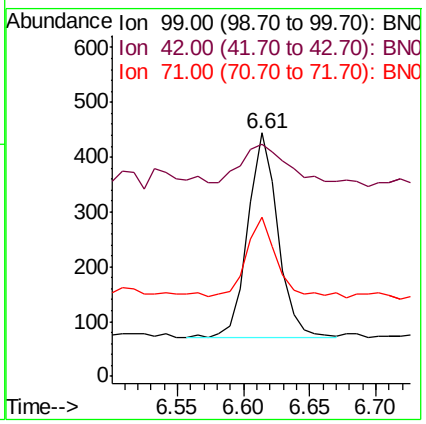




#4
Phenol-d6
Concen: 0.027 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

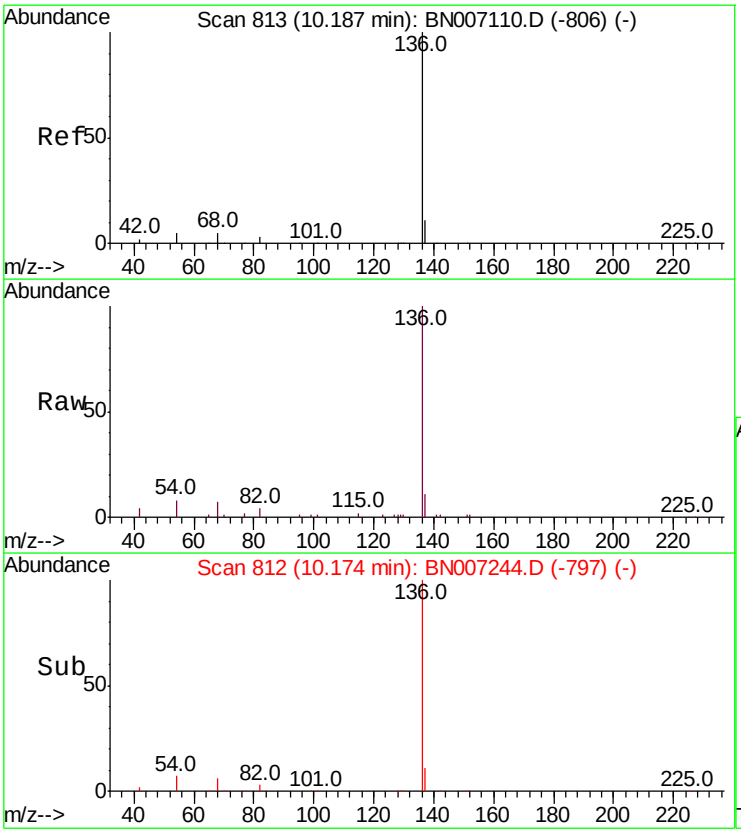
Tgt Ion: 99 Resp: 590

Ion	Ratio	Lower	Upper
99	100		
42	44.6	15.8	23.6#
71	41.4	27.0	40.4#



Instrument :
BNA_N
ClientSampleId :

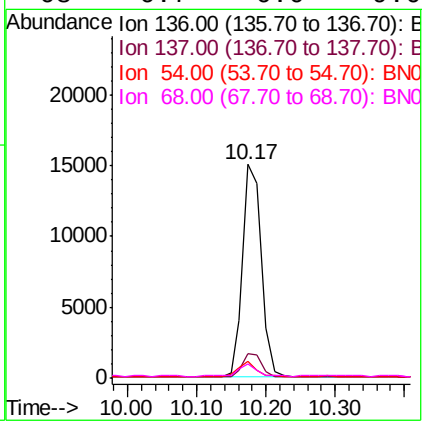
Manual Integrations APPROVED

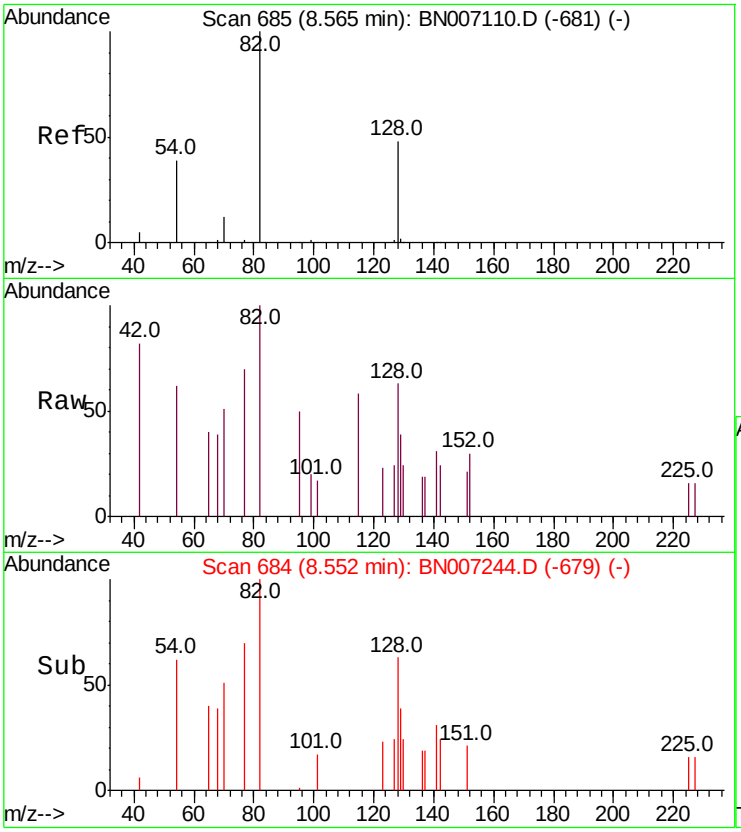


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:136 Resp: 28263

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	7.6	6.6	9.8
68	6.7	6.0	9.0

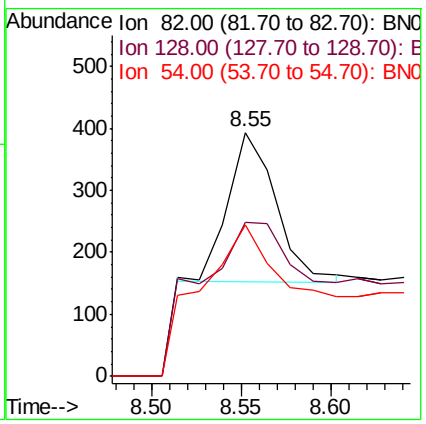




#7
Nitrobenzene-d5
Concen: 0.020 ng m
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

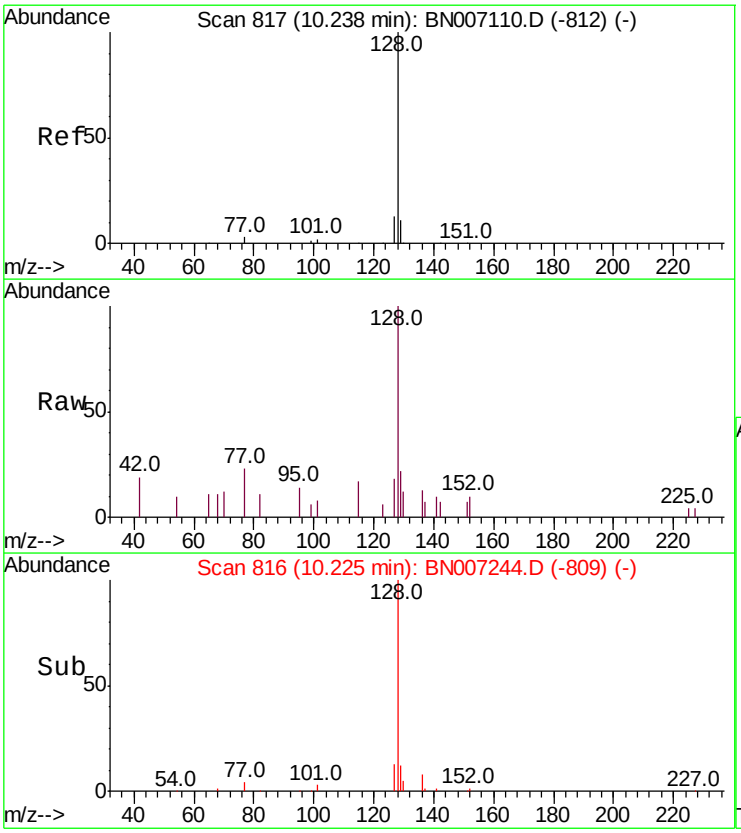
Tgt Ion: 82 Resp: 452

Ion	Ratio	Lower	Upper
82	100		
128	63.1	34.6	51.8#
54	62.1	36.2	54.4#



Instrument :
BNA_N
ClientSampleId :

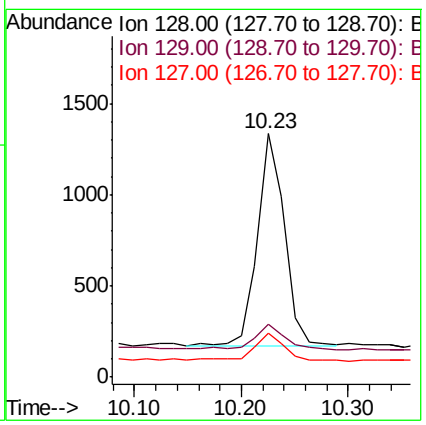
Manual Integrations APPROVED

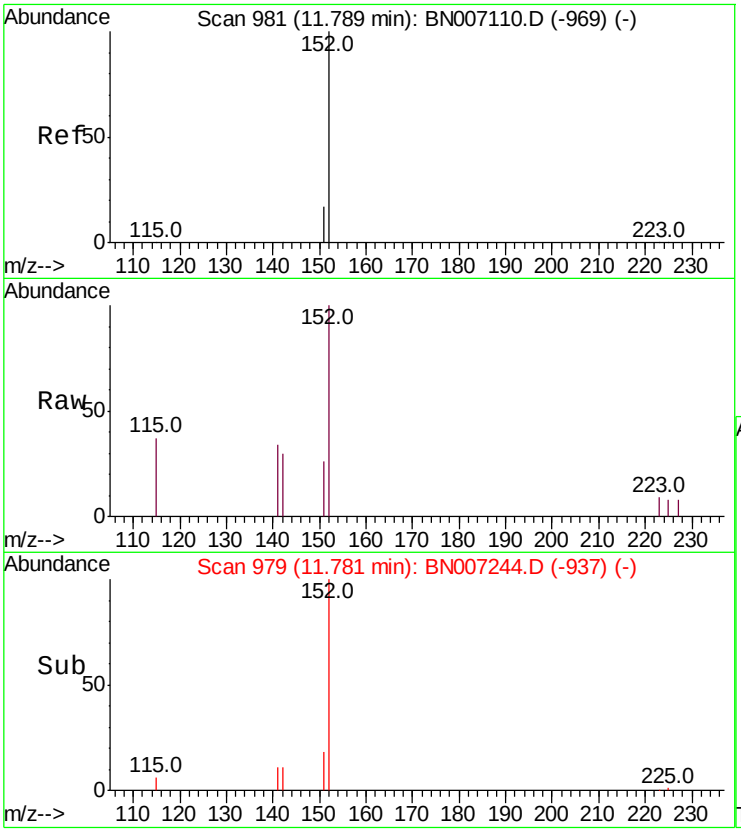


#8
Naphthalene
Concen: 0.026 ng
RT: 10.23 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:128 Resp: 2065

Ion	Ratio	Lower	Upper
128	100		
129	21.8	9.4	14.2#
127	18.2	11.0	16.6#





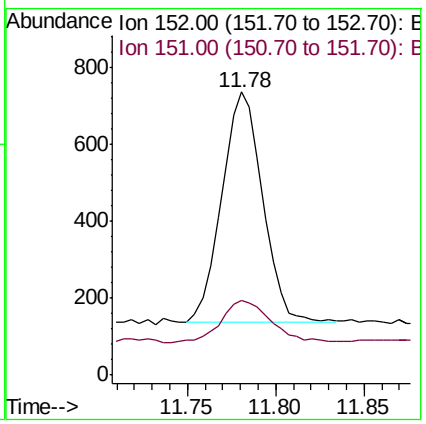
#10
2-Methylnaphthalene-d10
Concen: 0.018 ng
RT: 11.78 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

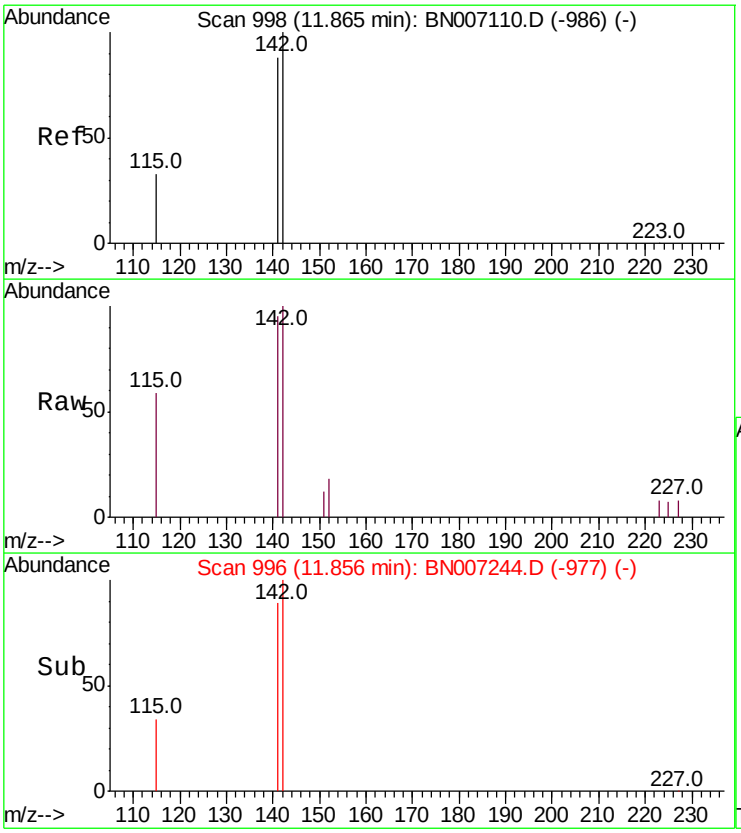
Tgt Ion:152 Resp: 967

Ion	Ratio	Lower	Upper
152	100		
151	21.7	15.5	23.3

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

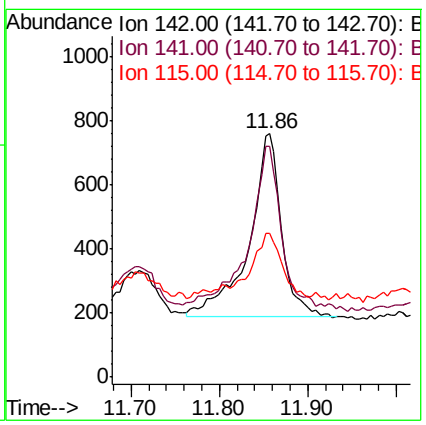


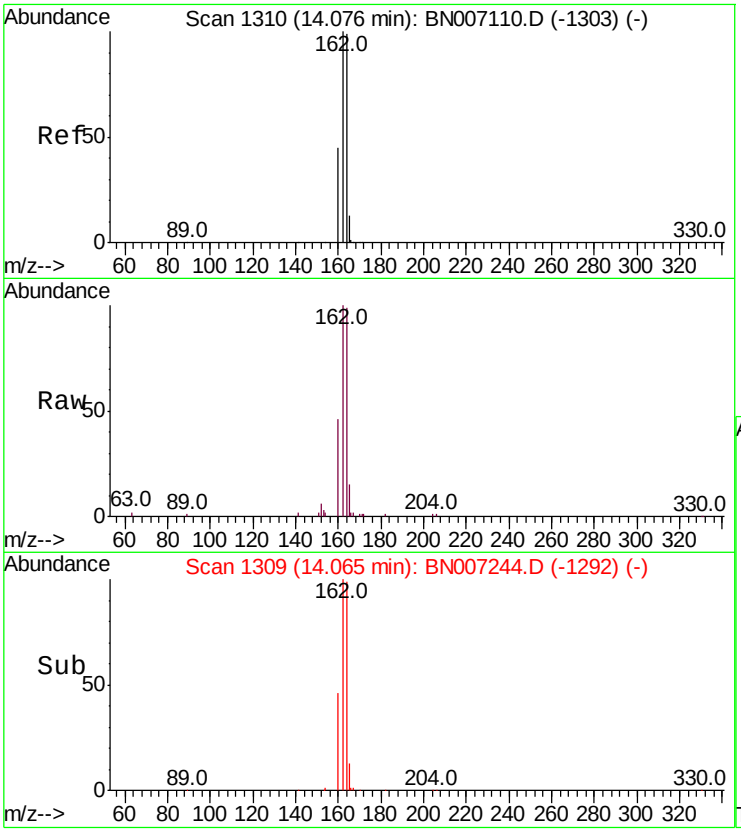


#11
2-Methylnaphthalene
Concen: 0.026 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:142 Resp: 1454

Ion	Ratio	Lower	Upper
142	100		
141	94.7	69.0	103.6
115	59.1	27.1	40.7#

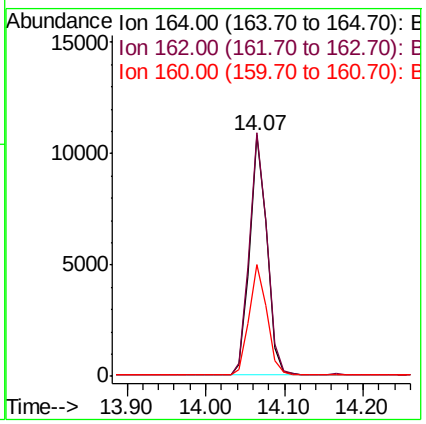




#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

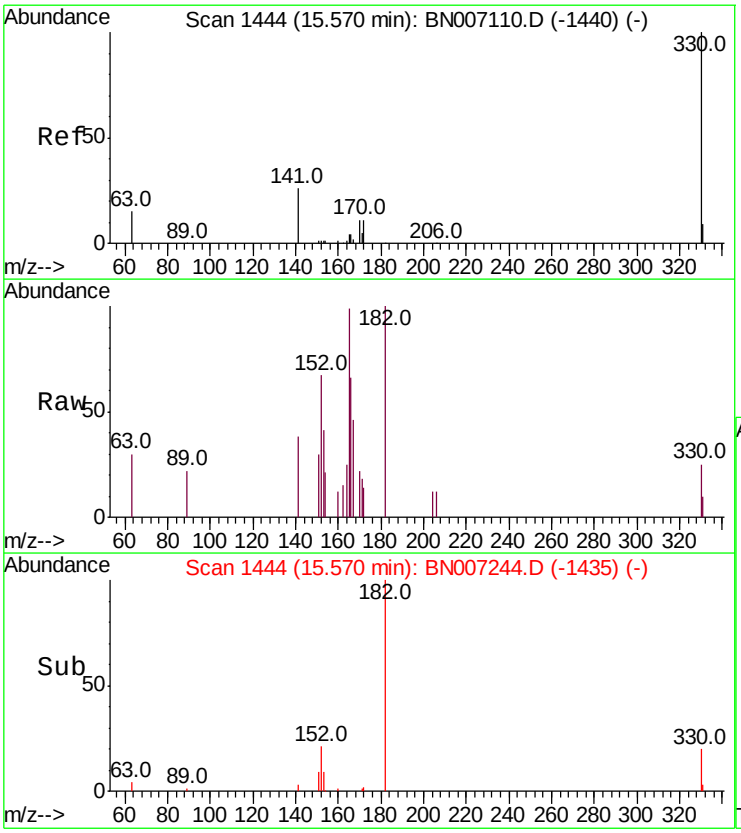
Tgt Ion:164 Resp: 15986

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.4
160	46.4	38.3	57.5



Instrument :
BNA_N
ClientSampleId :

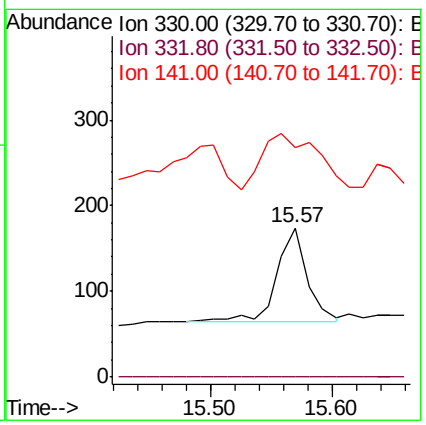
Manual Integrations APPROVED

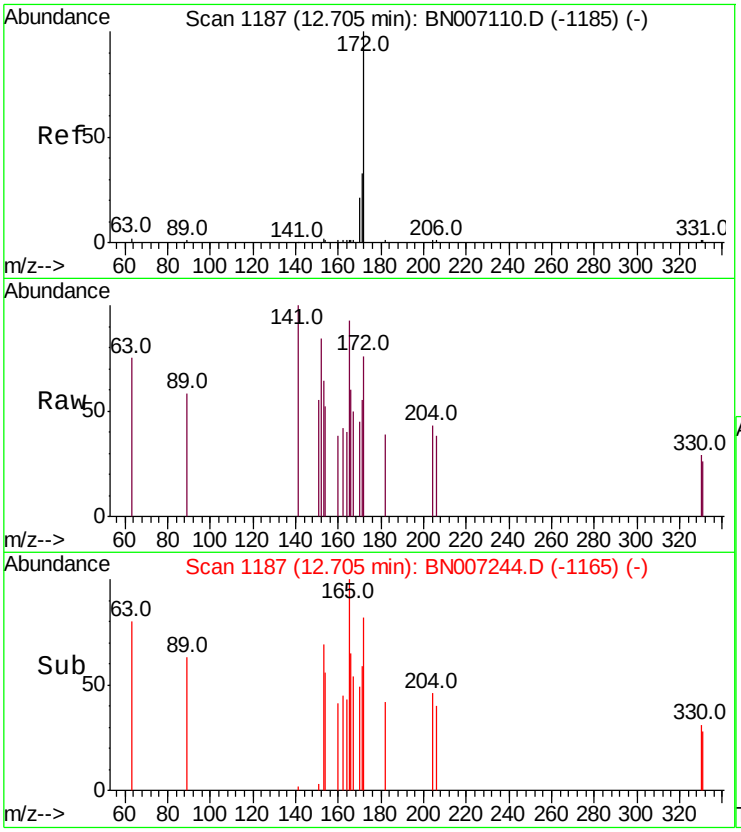


#13
2,4,6-Tribromophenol
Concen: 0.021 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:330 Resp: 183

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	110.9	33.6	50.4#

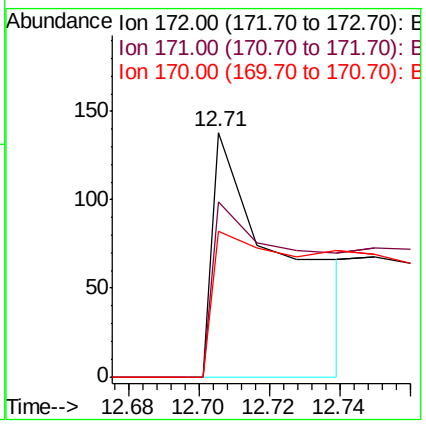




#14
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:172 Resp: 175

Ion	Ratio	Lower	Upper
172	100		
171	71.7	26.3	39.5#
170	59.4	17.0	25.4#



Instrument :
BNA_N
ClientSampleId :

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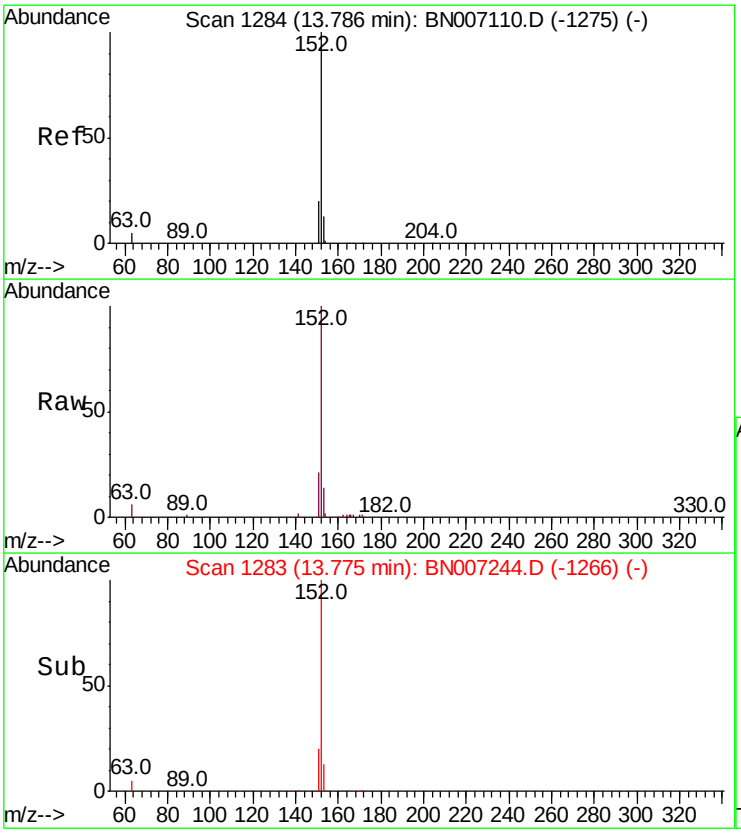
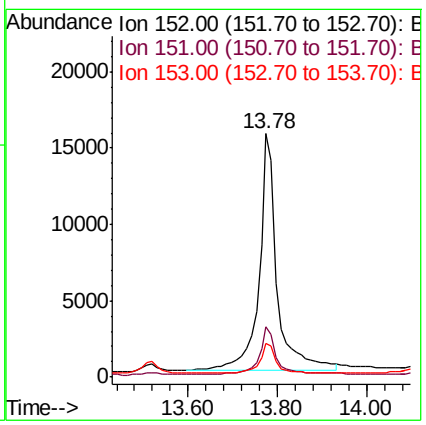
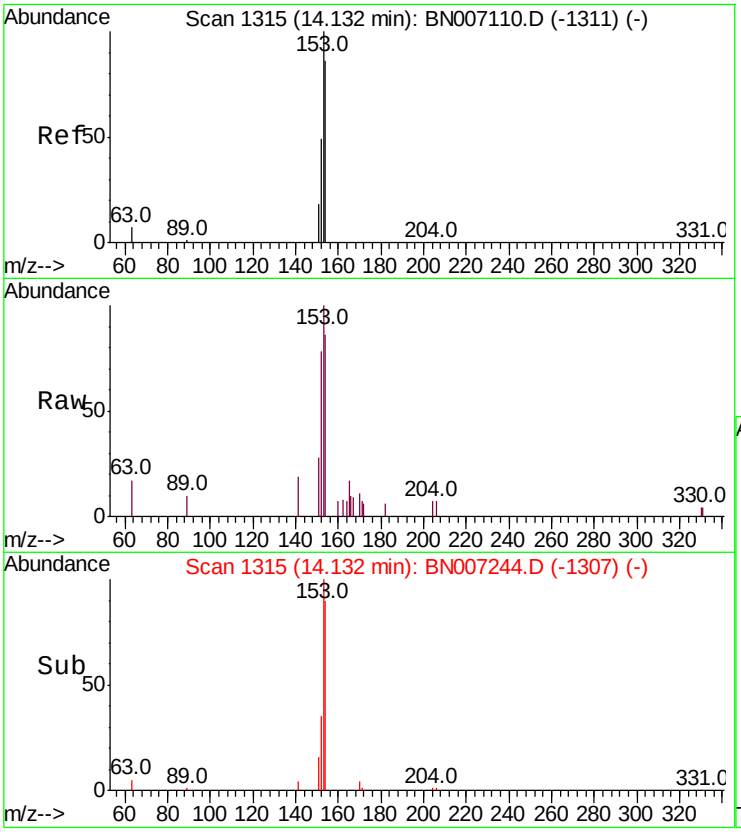


#15
Acenaphthylene
Concen: 0.527 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:152 Resp: 44022

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	11.9	10.4	15.6

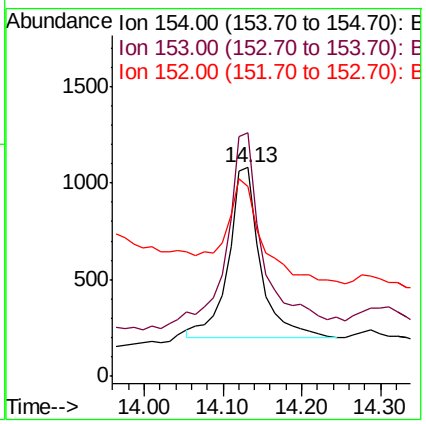




#16
Acenaphthene
Concen: 0.047 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:154 Resp: 2510

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.5	134.3
152	66.8	44.8	67.2



Instrument :
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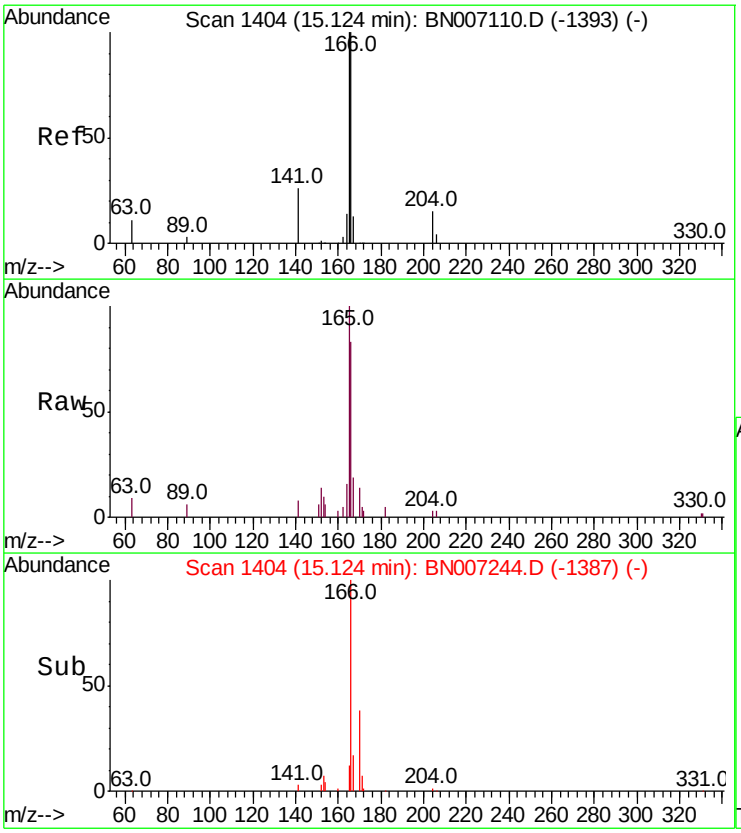
ClientSampleId :

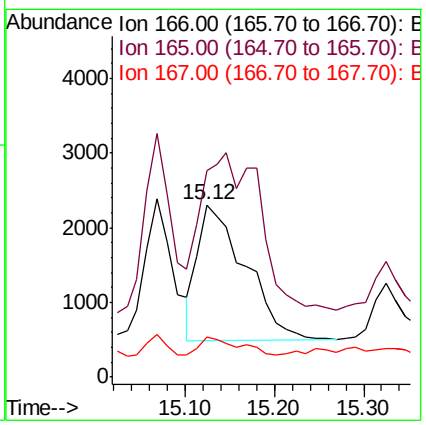
Manual Integrations APPROVED

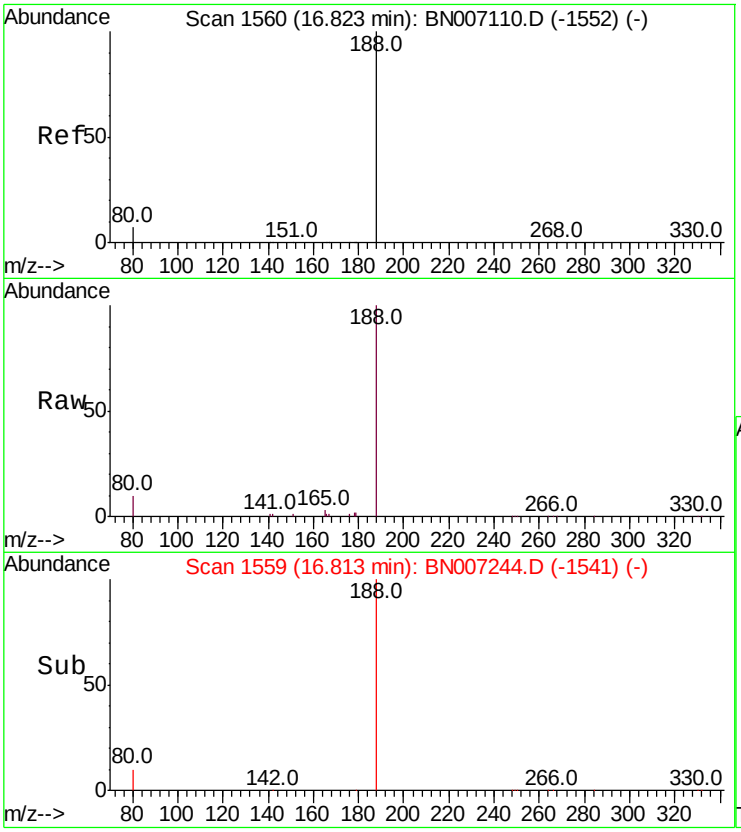


#17
Fluorene
Concen: 0.084 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:166 Resp: 6731

Ion	Ratio	Lower	Upper
166	100		
165	0.0	77.9	116.9#
167	12.5	10.9	16.3

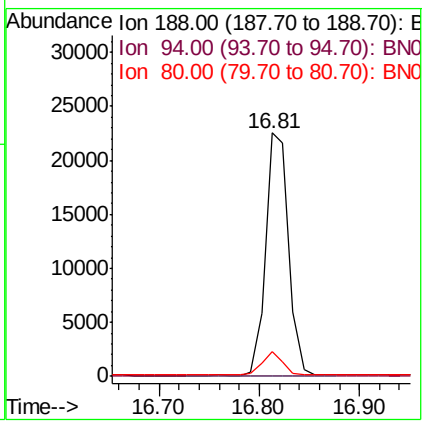




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

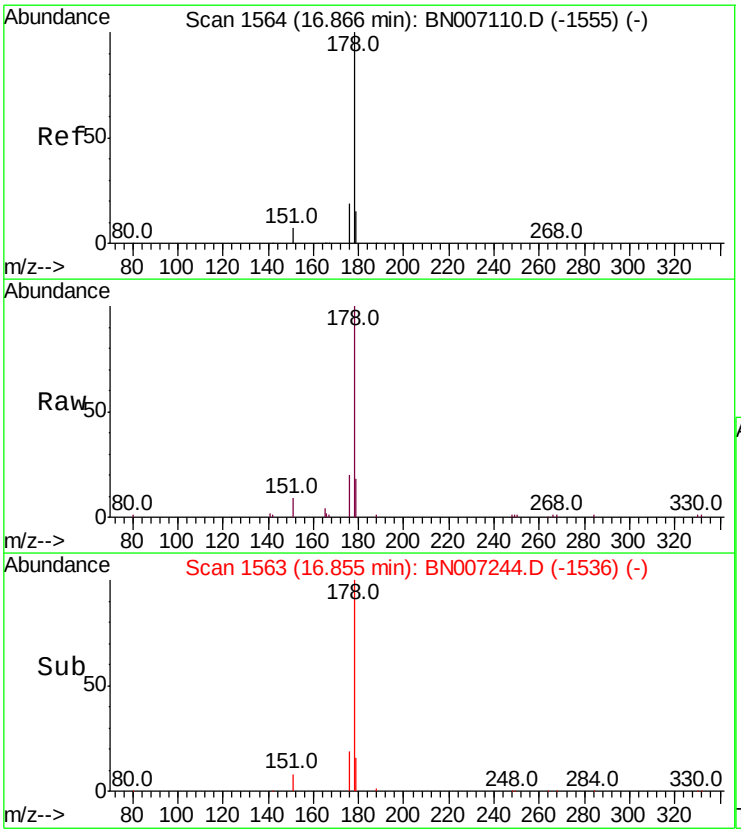
Tgt Ion:188 Resp: 36113

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	7.8	11.6



Instrument :
BNA_N
ClientSampleId :

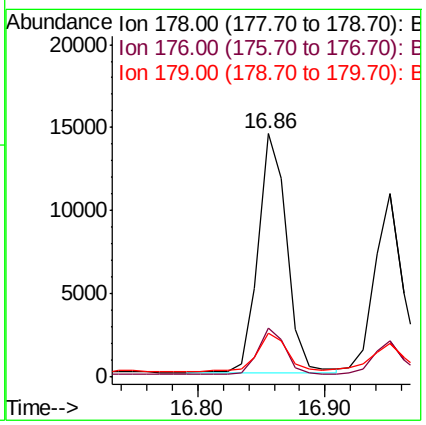
Manual Integrations APPROVED

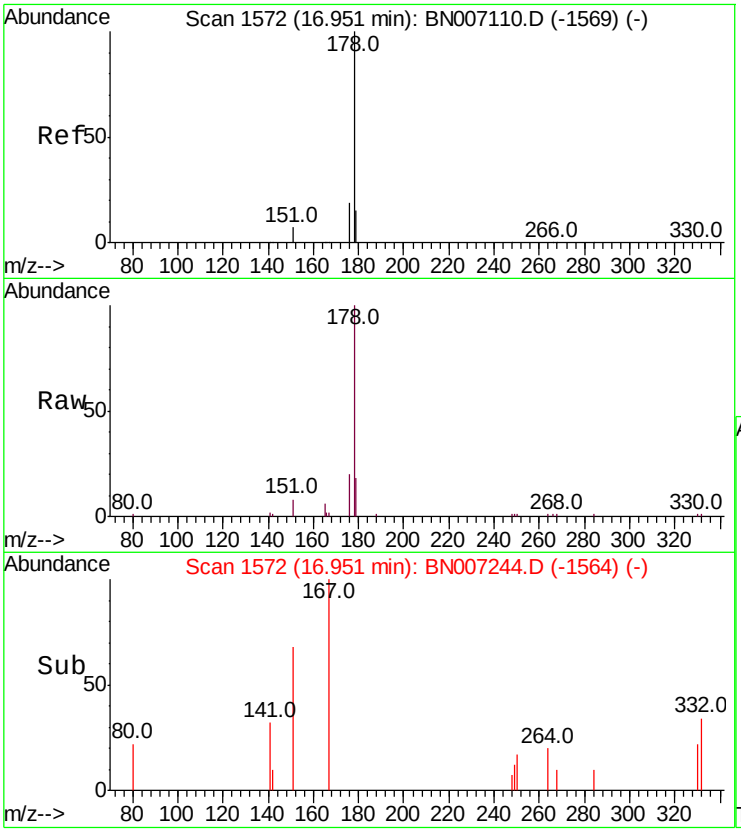


#22
Phenanthrene
Concen: 0.207 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:178 Resp: 22426

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	18.0	12.3	18.5





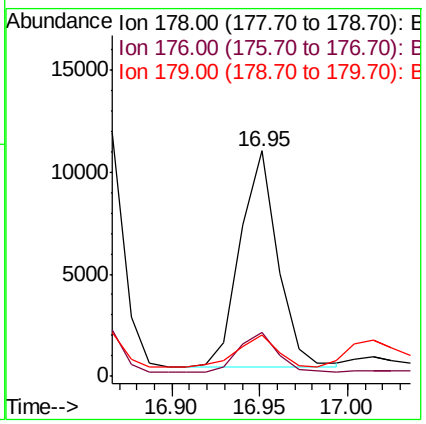
#23
Anthracene
Concen: 0.159 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

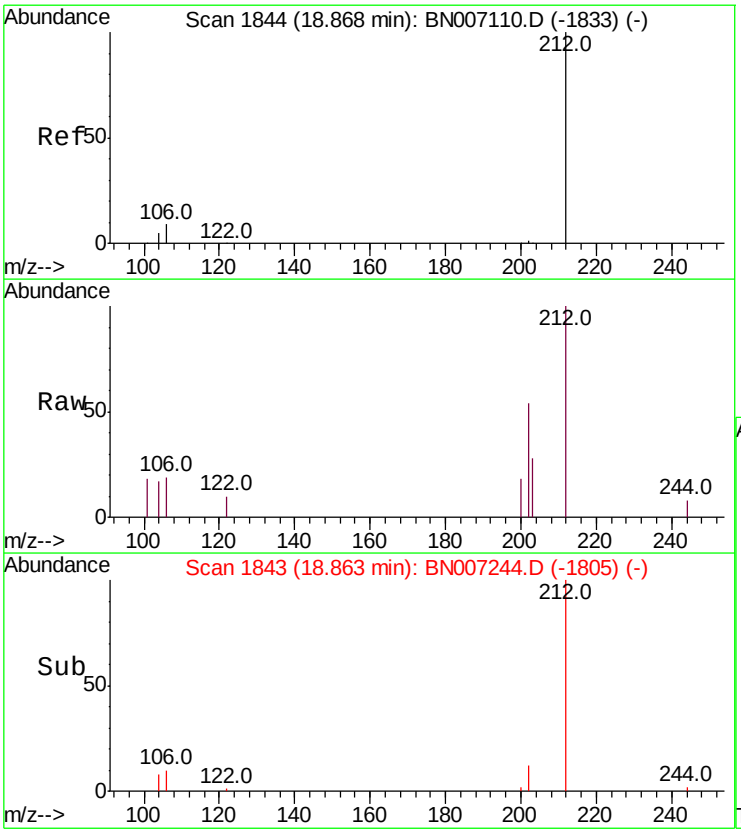
Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

Tgt Ion:178 Resp: 15758

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.2	12.5	18.7

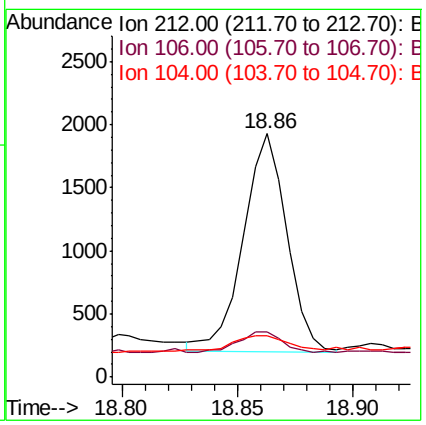


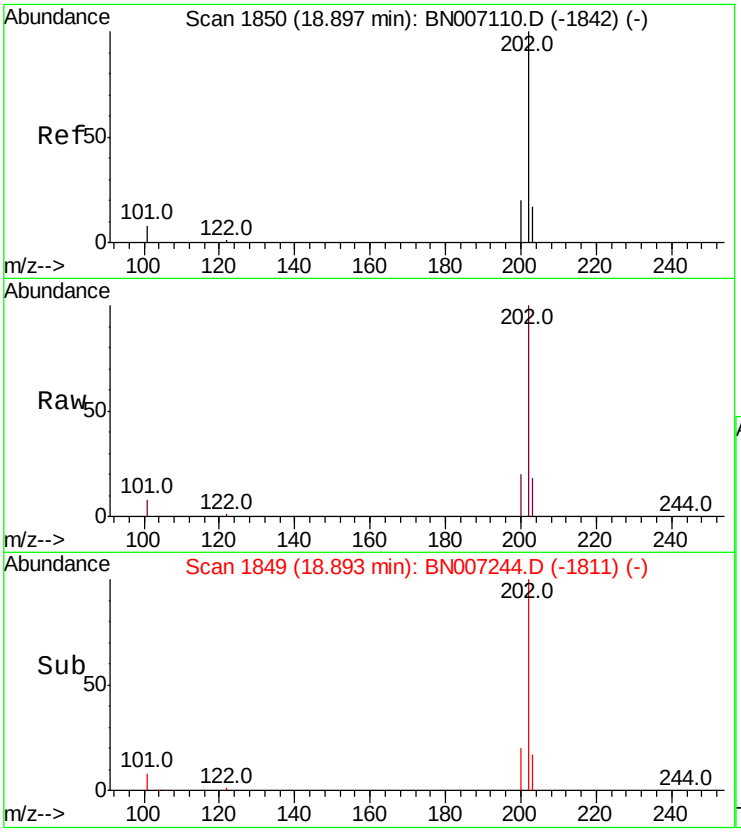


#24
Fluoranthene-d10
Concen: 0.018 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:212 Resp: 2248

Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	9.0	4.5	6.7#

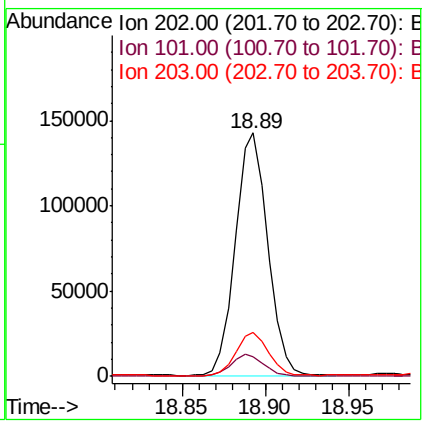




#25
Fluoranthene
Concen: 1.385 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

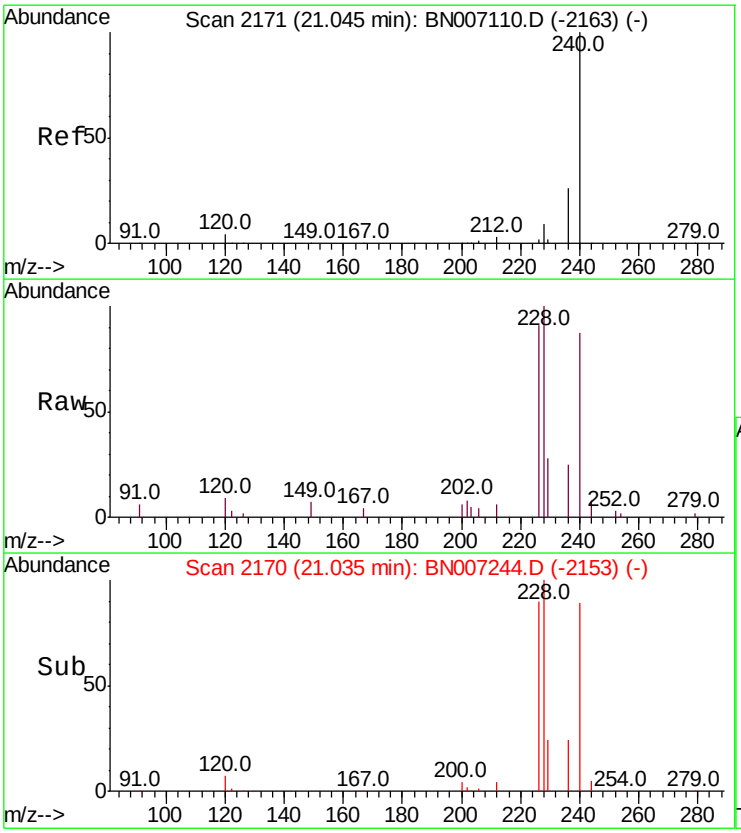
Tgt Ion:202 Resp: 191798

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
203	17.6	13.8	20.8



Instrument :
BNA_N
ClientSampleId :

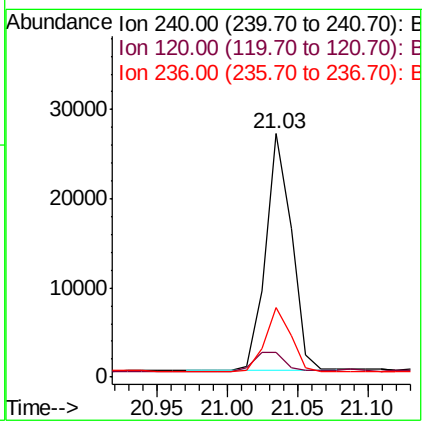
Manual Integrations APPROVED

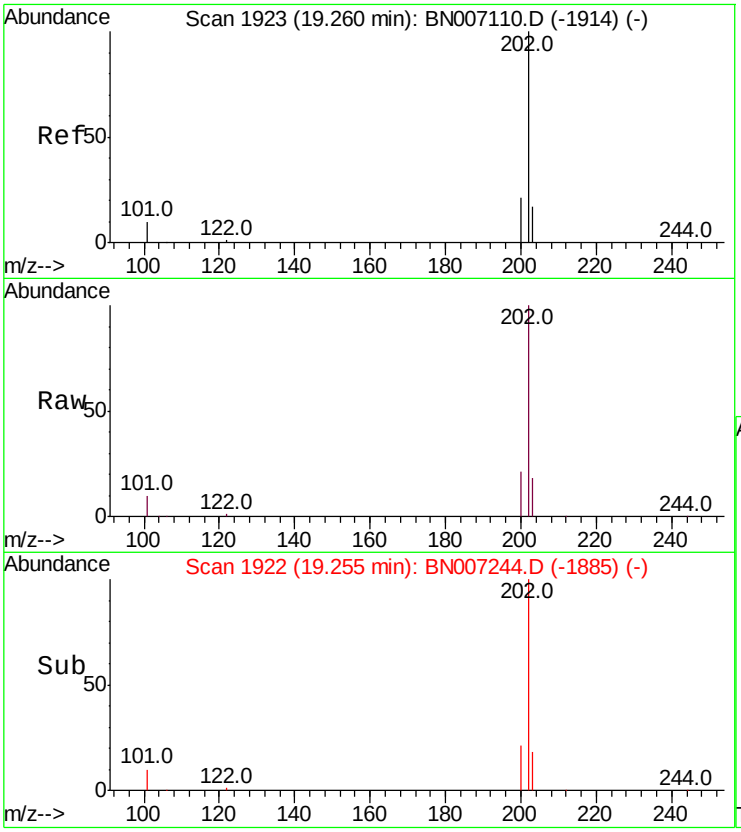


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:240 Resp: 34539

Ion	Ratio	Lower	Upper
240	100		
120	10.1	4.0	6.0#
236	28.5	21.3	31.9





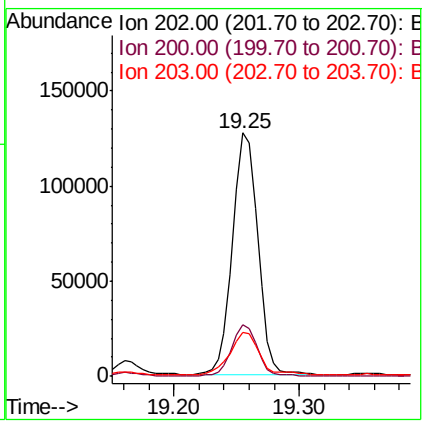
#27
Pyrene
Concen: 1.461 ng
RT: 19.25 min Scan# 1922
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

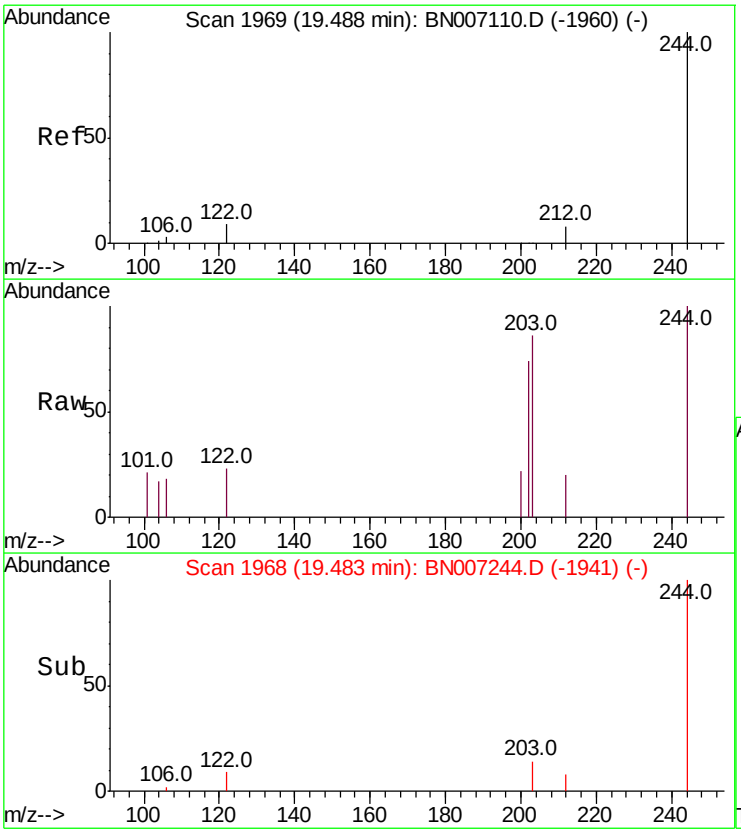
Tgt Ion:202 Resp: 177002

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.2	14.0	21.0#

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

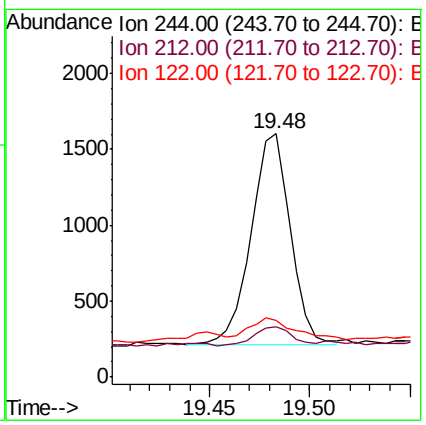


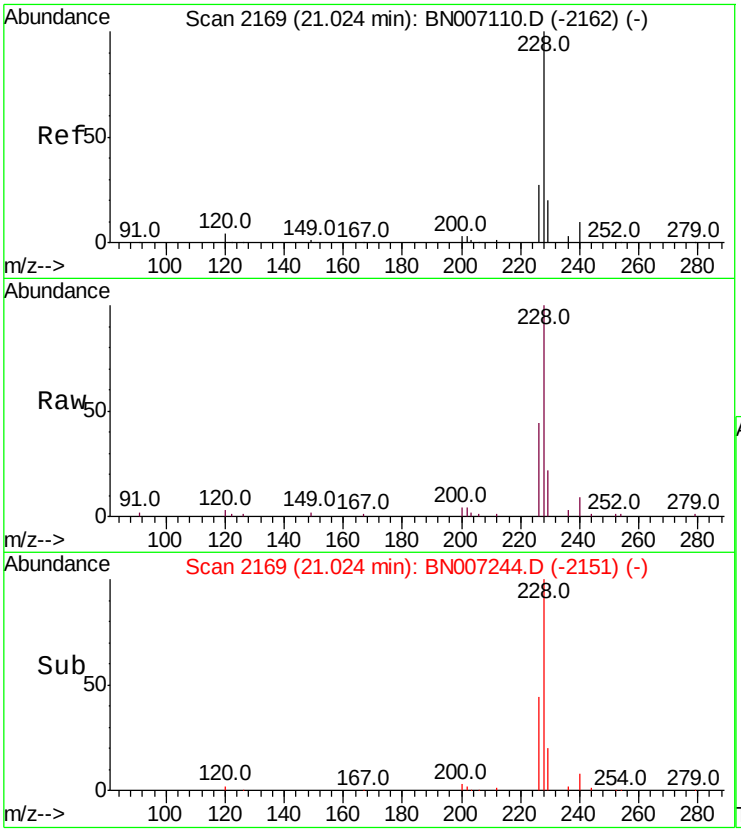


#28
Terphenyl-d14
Concen: 0.020 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:244 Resp: 1904

Ion	Ratio	Lower	Upper
244	100		
212	20.4	6.2	9.2#
122	23.4	7.4	11.2#

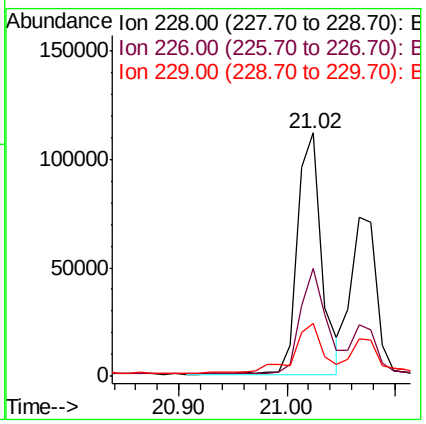




#29
Benzo(a)anthracene
Concen: 1.364 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

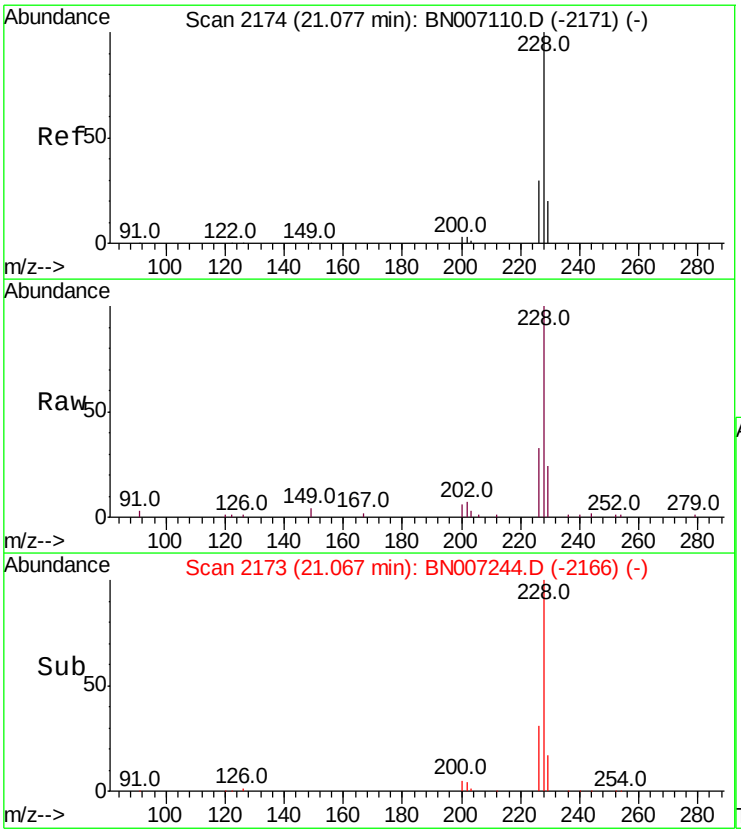
Tgt Ion:228 Resp: 172321

Ion	Ratio	Lower	Upper
228	100		
226	44.4	21.8	32.6#
229	21.9	15.6	23.4



Instrument :
BNA_N
ClientSampleId :

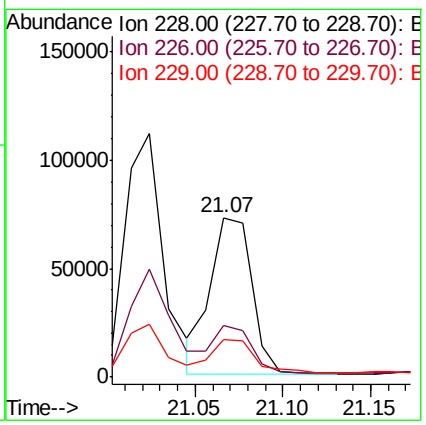
Manual Integrations APPROVED

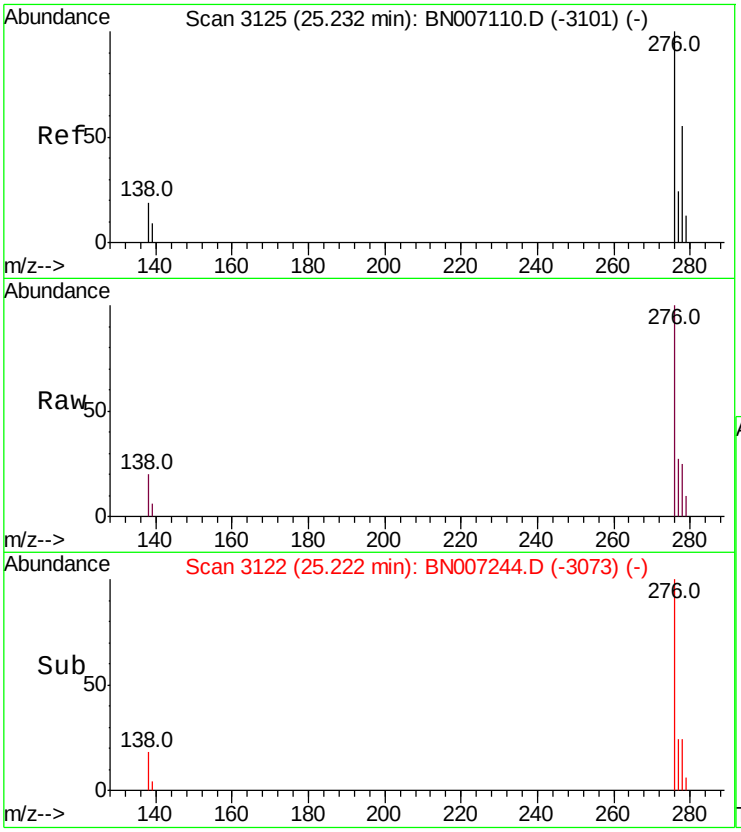


#30
Chrysene
Concen: 0.964 ng
RT: 21.07 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:228 Resp: 118339

Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.8	35.6
229	23.6	15.7	23.5#

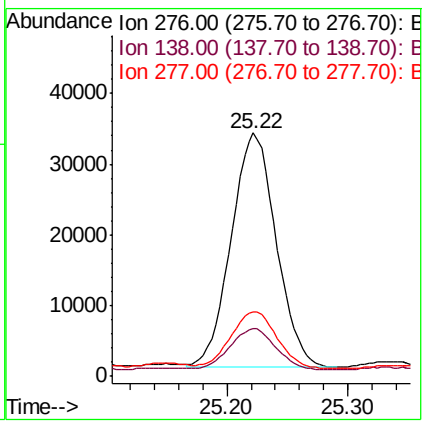




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.631 ng
RT: 25.22 min Scan# 3122
Delta R.T. -0.03 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

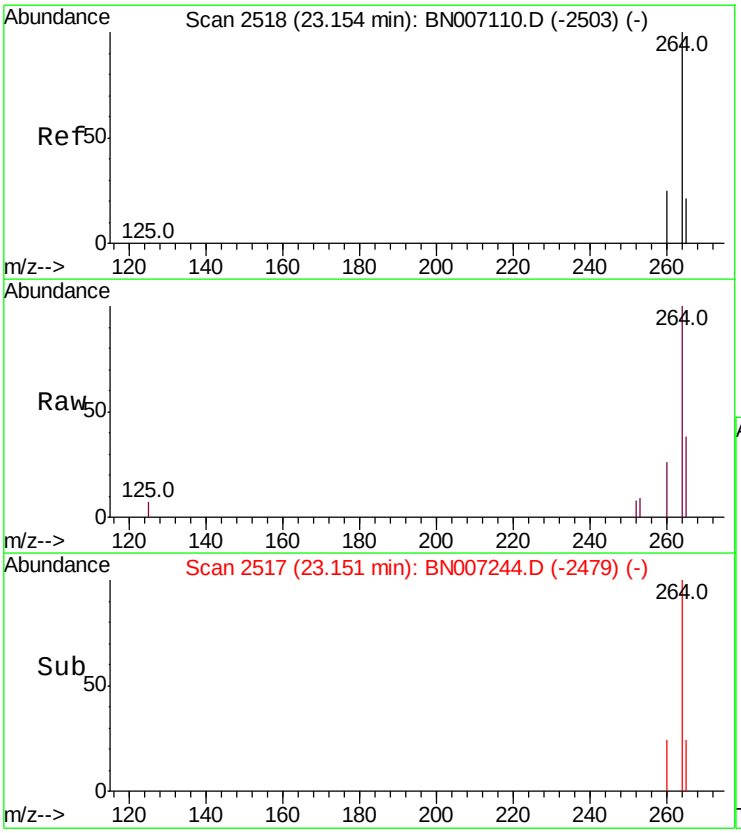
Tgt Ion:276 Resp: 85297

Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.0	24.0
277	25.3	19.9	29.9



Instrument :
BNA_N
ClientSampleId :

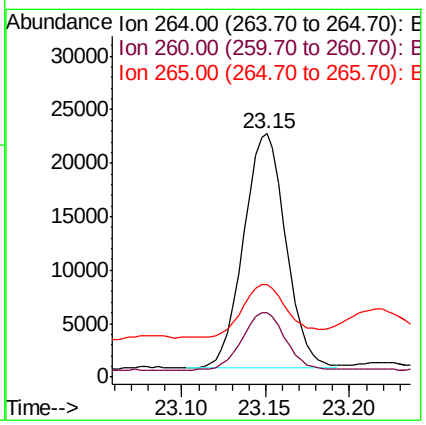
Manual Integrations APPROVED

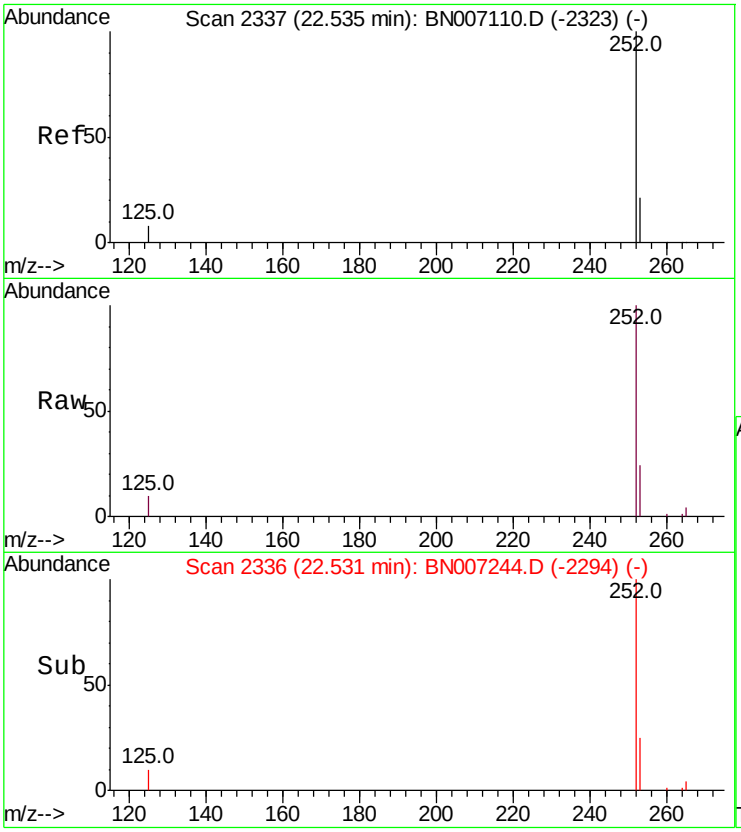


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:264 Resp: 38853

Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.8	29.8
265	38.2	26.2	39.4

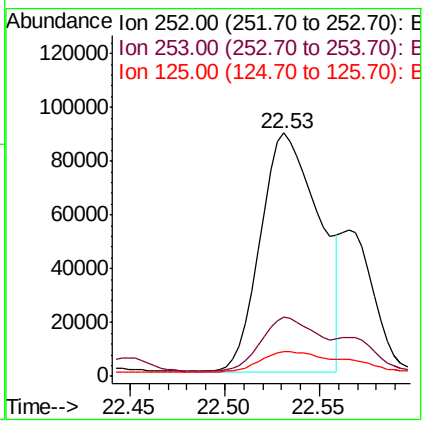




#33
Benzo(b)fluoranthene
Concen: 1.446 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

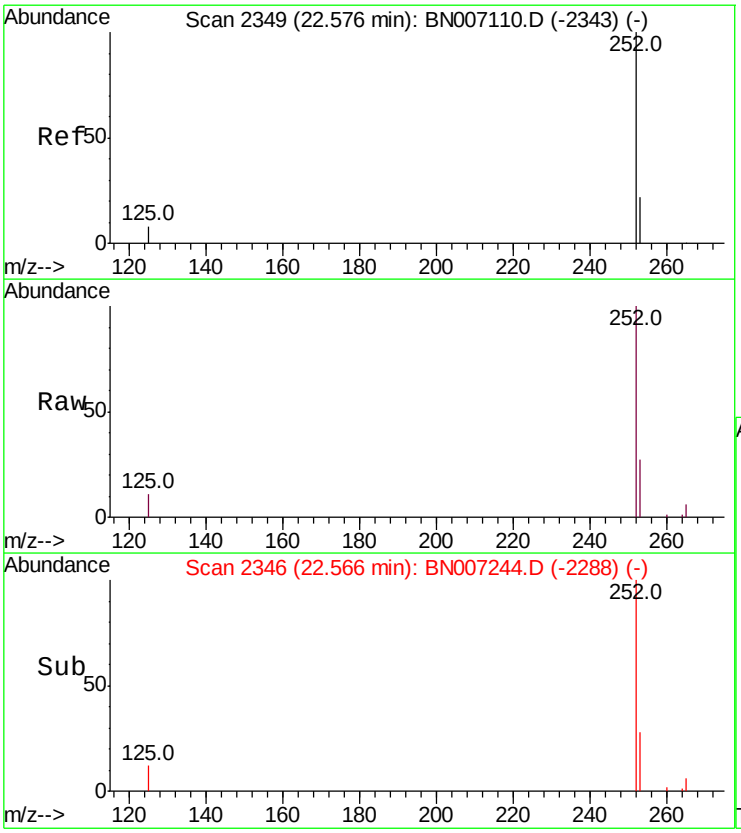
Tgt Ion:252 Resp: 192639

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	10.1	7.4	11.0



Instrument :
BNA_N
ClientSampleId :

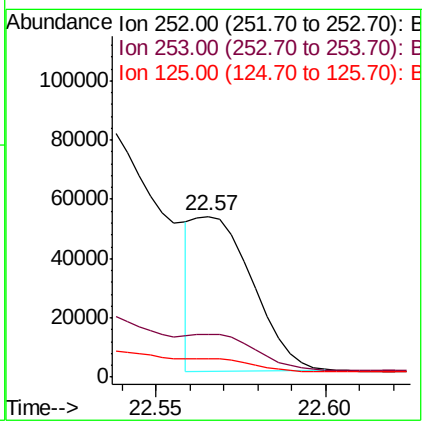
Manual Integrations APPROVED

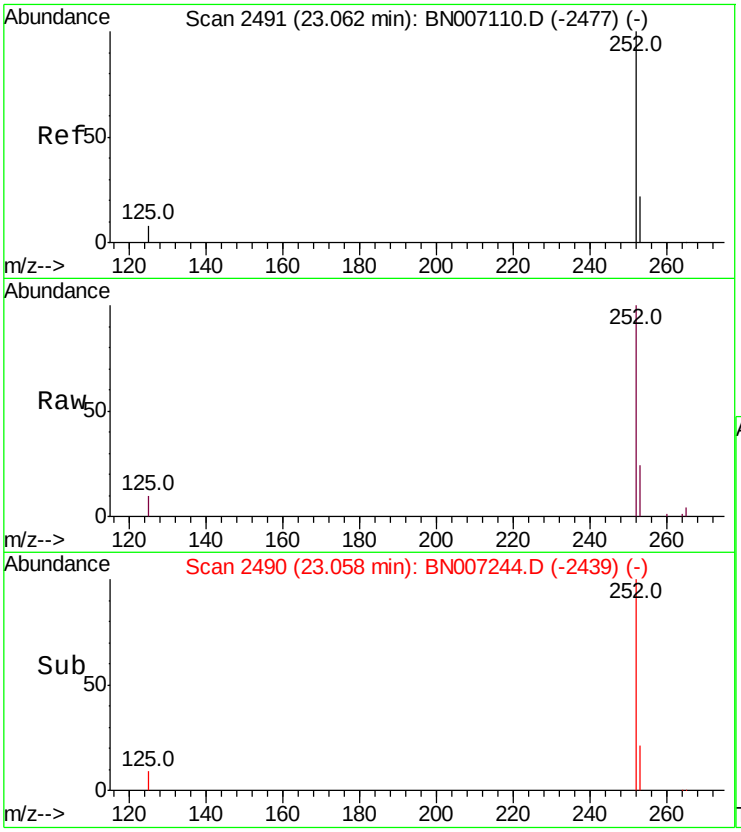


#34
Benzo(k)fluoranthene
Concen: 0.476 ng m
RT: 22.57 min Scan# 2346
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:252 Resp: 62593

Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.1	27.1
125	11.3	7.4	11.0#





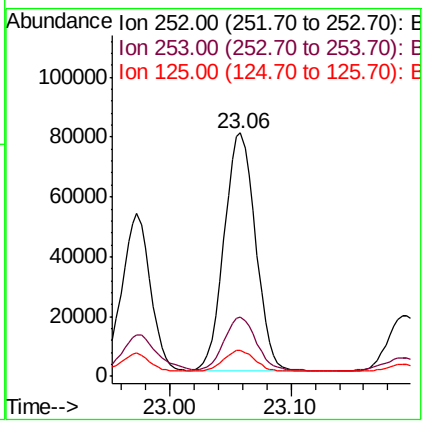
#35
Benzo(a)pyrene
Concen: 1.185 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

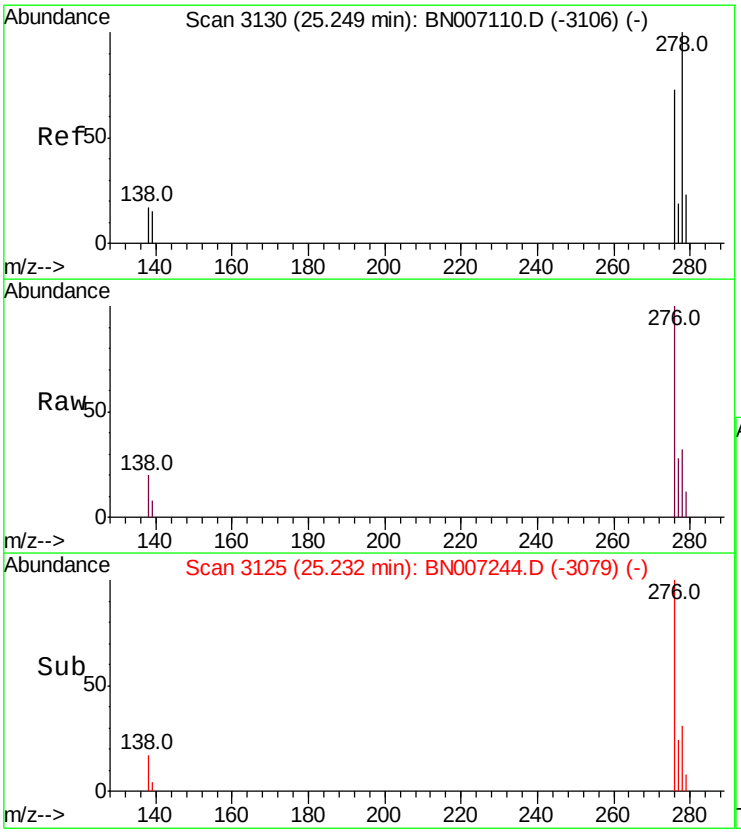
Tgt Ion:252 Resp: 143159

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	10.5	8.2	12.4

Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED

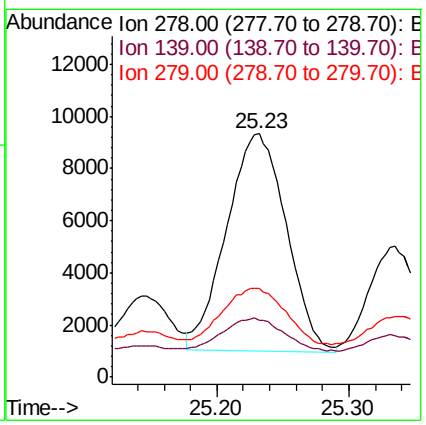


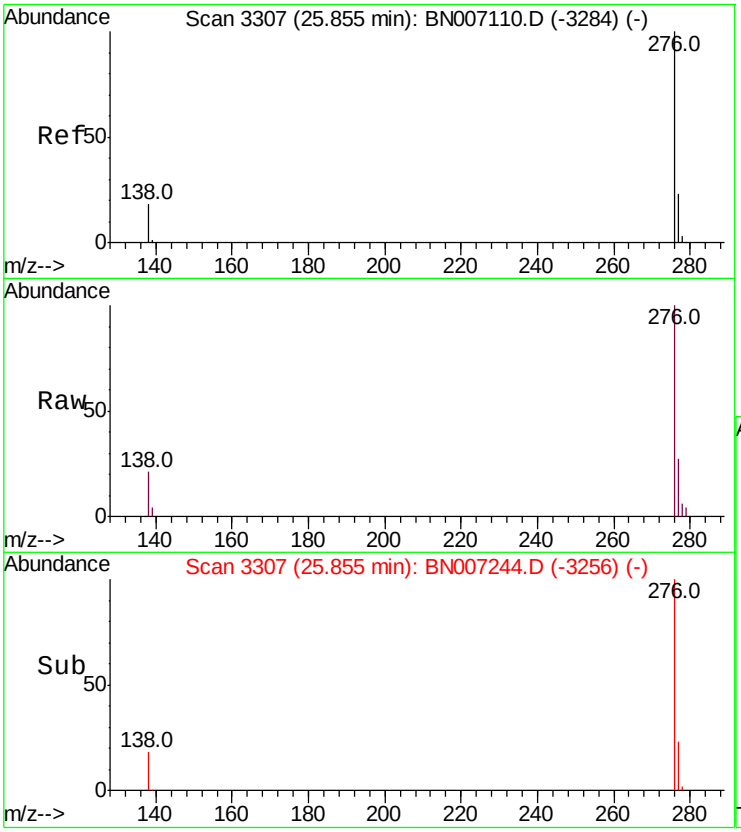


#36
Dibenzo(a,h)anthracene
Concen: 0.218 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.04 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:278 Resp: 26245

Ion	Ratio	Lower	Upper
278	100		
139	23.4	11.3	16.9#
279	36.3	19.3	28.9#

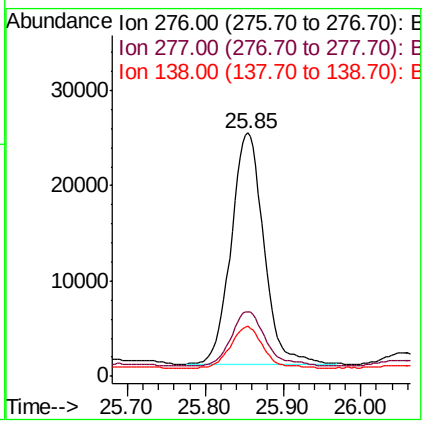




#37
Benzo(g,h,i)perylene
Concen: 0.568 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007244.D
Acq: 17 Aug 2019 05:05

Tgt Ion:276 Resp: 70465

Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.8	29.8
138	20.5	14.6	22.0



Instrument :
BNA_N
ClientSampleId :

Manual Integrations APPROVED