Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
Data File : BN007502.D
Acq On : 29 Aug 2019 14:19
Operator : HP/JU
Sample : K4515-02DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

Quant Time: Aug 29 15:55:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5649	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	23839	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	13985	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	31947	0.40	ng		0.00
27) Chrysene-d12	21.02	240	53421	0.40	ng		0.00
34) Perylene-d12	23.12	264	56862	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	3243	0.15	ng		0.00
5) Phenol-d6	6.59	99	4412	0.16	ng		0.00
8) Nitrobenzene-d5	8.53	82	3388	0.16	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	5836	0.15	ng		0.00
14) 2,4,6-Tribromophenol	15.54	330	1511	0.21	ng		-0.02
15) 2-Fluorobiphenyl	12.65	172	7529	0.13	ng		0.00
25) Fluoranthene-d10	18.84	212	11851	0.12	ng		0.00
29) Terphenyl-d14	19.46	244	220837	1.58	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.20	128	2654	0.039	ng	#	95
12) 2-Methylnaphthalene	11.82	142	1418	0.031	ng	#	94
16) Acenaphthylene	13.76	152	2425	0.029	ng	#	87
17) Acenaphthene	14.10	154	11717	0.242	ng		97
18) Fluorene	15.09	166	12022	0.196	ng		98
23) Phenanthrene	16.84	178	230086	2.394	ng		99
24) Anthracene	16.92	178	62567	0.647	ng	#	94
26) Fluoranthene	18.87	202	597237	4.841	ng		99
28) Pyrene	19.23	202	496272	2.309	ng	#	94
30) Benzo(a)anthracene	20.99	228	342686	1.633	ng		99
31) Chrysene	21.05	228	261451	1.291	ng		98
32) Bis(2-ethylhexyl)phthalate	20.96	149	64640	0.457	ng		98
33) Indeno(1,2,3-cd)pyrene	25.18	276	131312	0.538	ng		98
35) Benzo(b)fluoranthene	22.50	252	366006m	1.777	ng		
36) Benzo(k)fluoranthene	22.54	252	209071	1.027	ng		96
37) Benzo(a)pyrene	23.03	252	266841m	1.361	ng		
38) Dibenzo(a,h)anthracene	25.19	278	53926	0.276	ng		94
39) Benzo(g,h,i)perylene	25.81	276	119542	0.613	ng		99

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

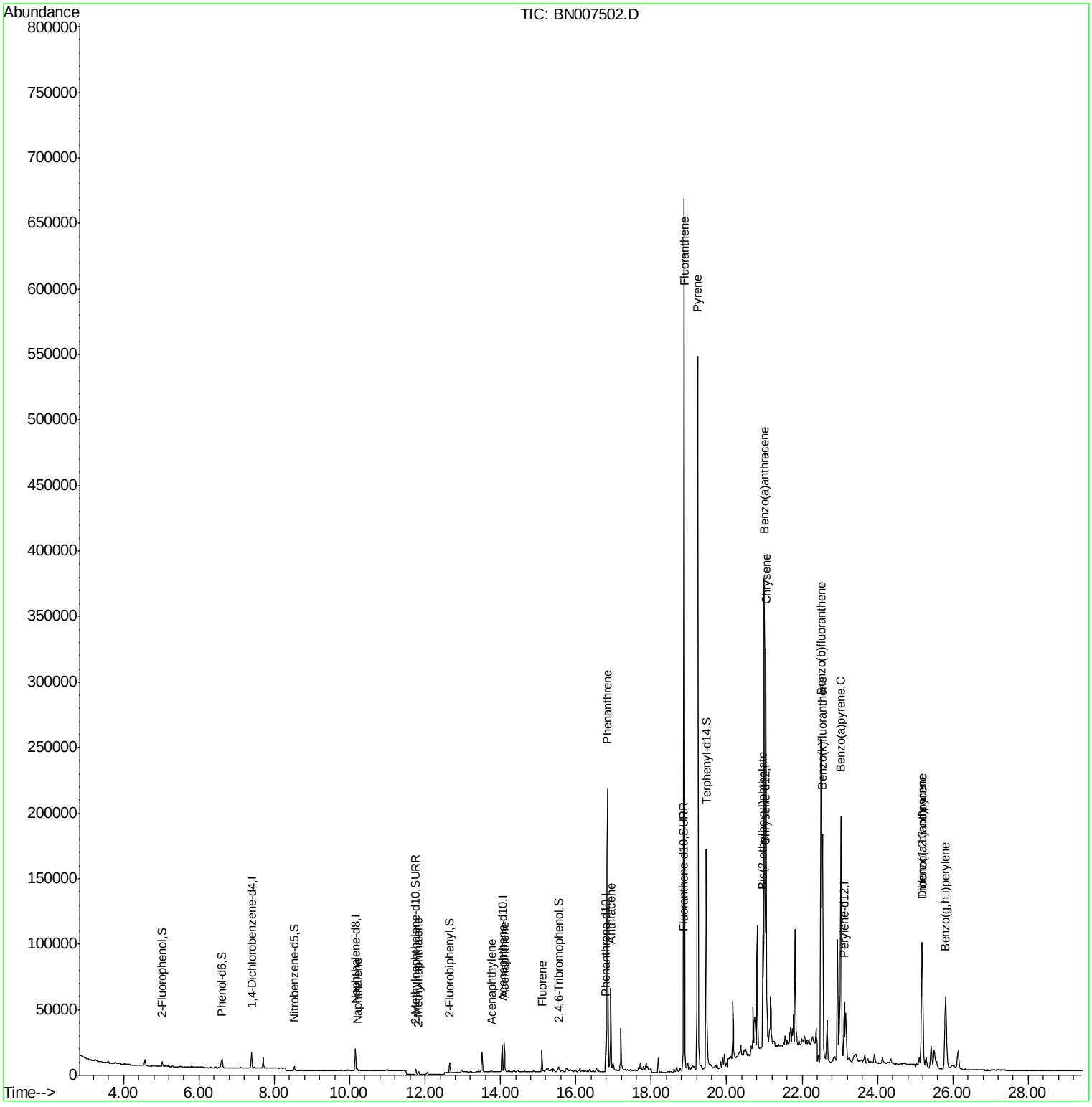
Quantitation Report (QT Reviewed)

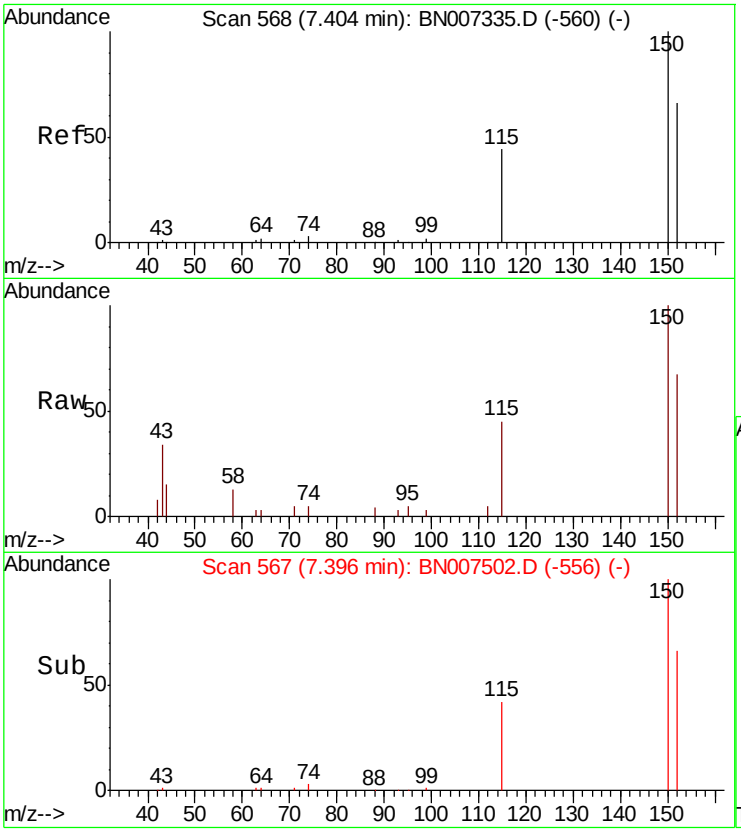
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
Data File : BN007502.D
Acq On : 29 Aug 2019 14:19
Operator : HP/JU
Sample : K4515-02DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 29 15:55:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

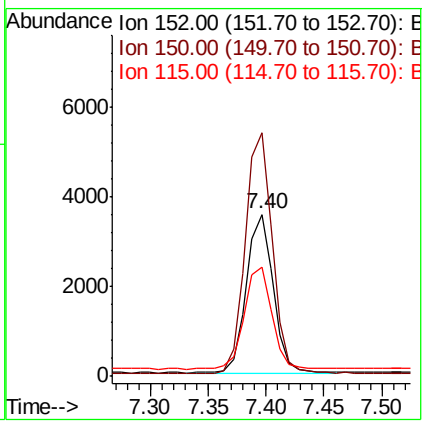




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

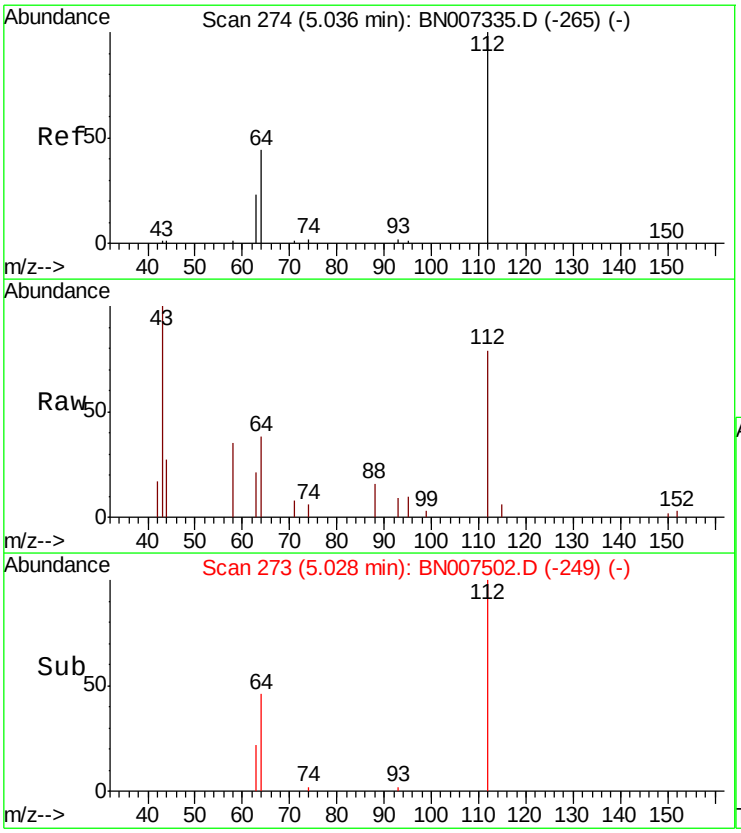
Tgt Ion:152 Resp: 5649

Ion	Ratio	Lower	Upper
152	100		
150	150.1	109.1	163.7
115	67.0	59.6	89.4



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

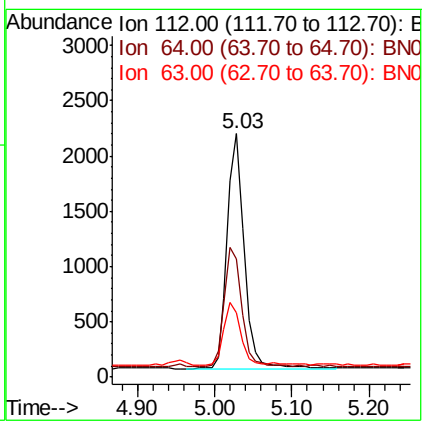
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

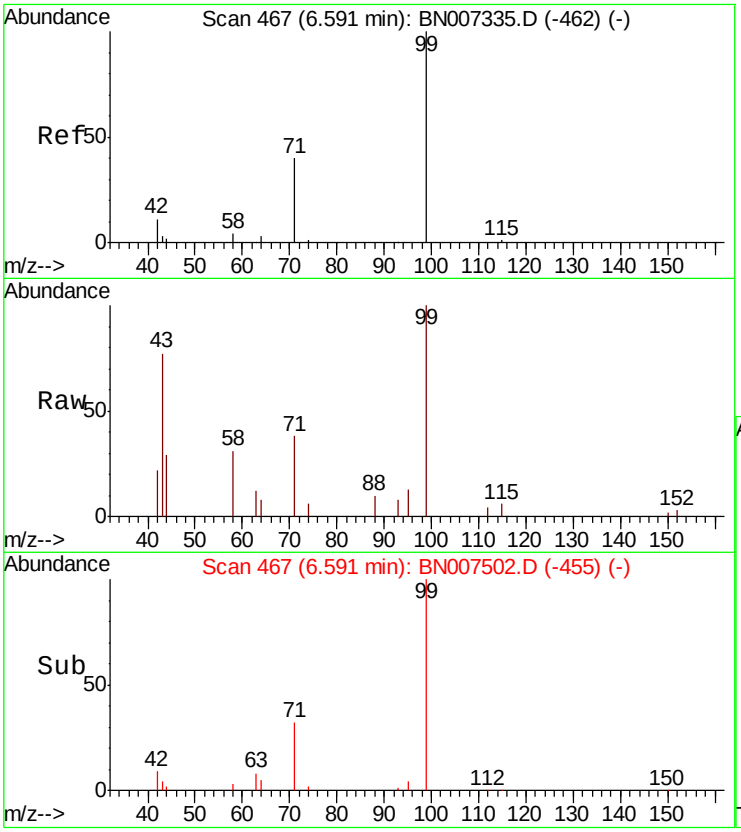


#4
2-Fluorophenol
Concen: 0.148 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:112 Resp: 3243

Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.3	63.5
63	27.1	23.6	35.4

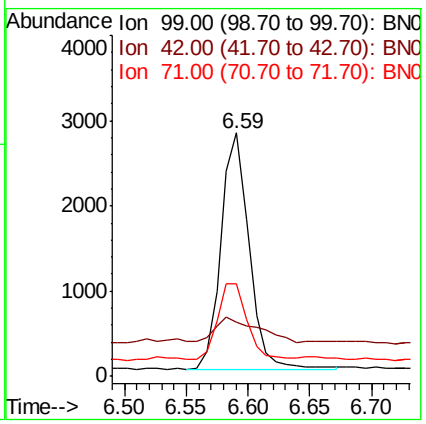




#5
Phenol-d6
Concen: 0.159 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

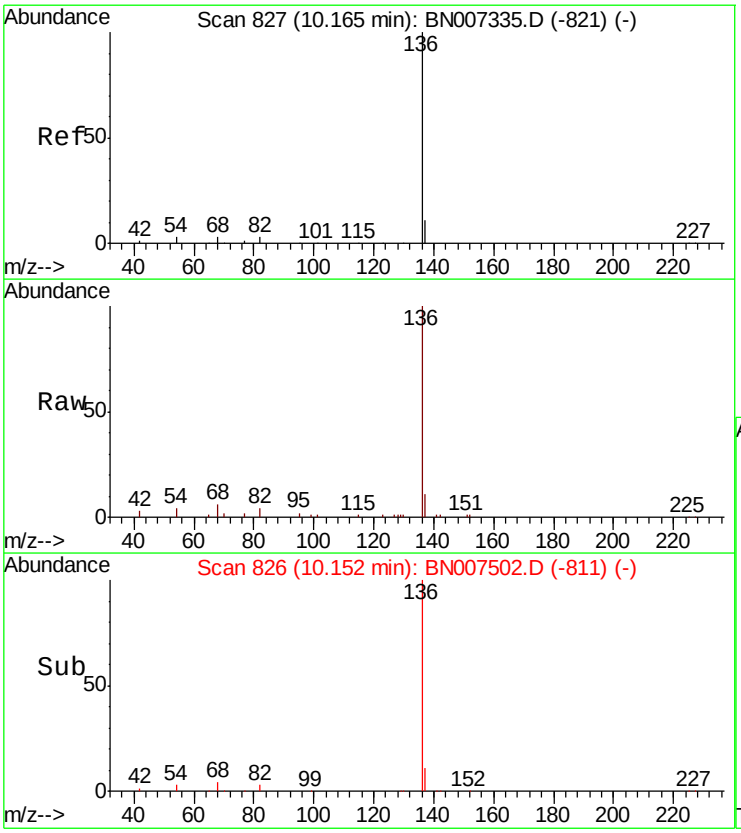
Tgt Ion: 99 Resp: 4412

Ion	Ratio	Lower	Upper
99	100		
42	16.8	11.2	16.8
71	34.0	31.8	47.8



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

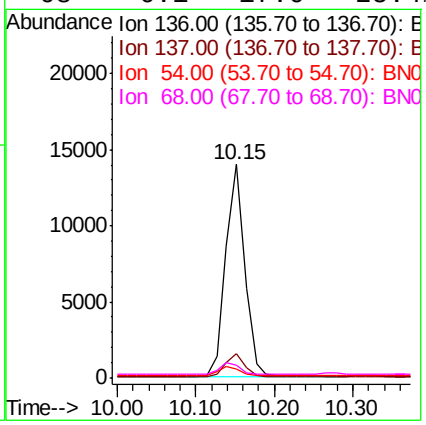
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

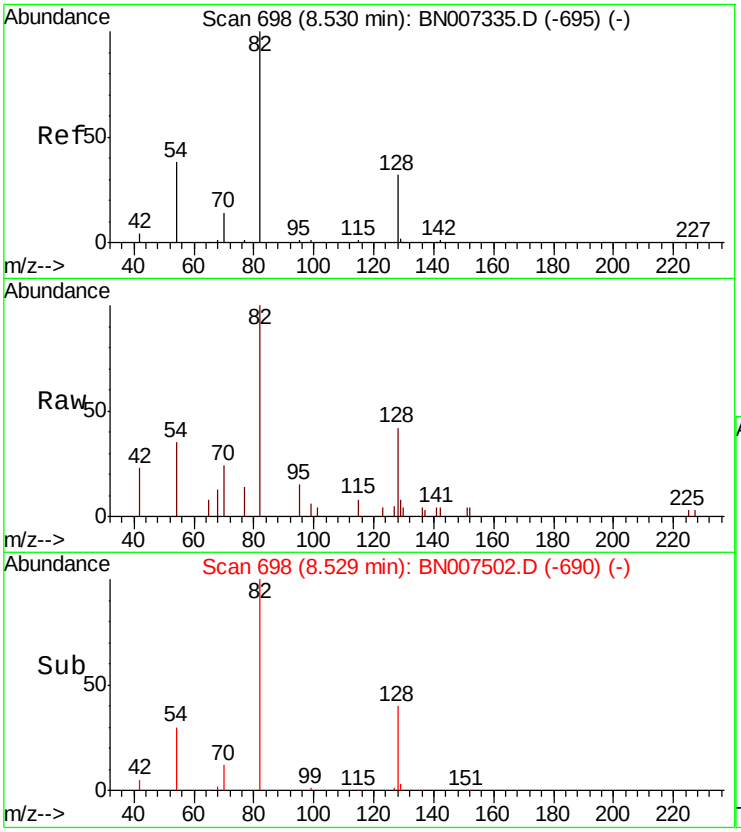


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:136 Resp: 23839

Ion	Ratio	Lower	Upper
136	100		
137	11.2	12.9	19.3#
54	4.3	8.6	12.8#
68	6.1	17.0	25.4#





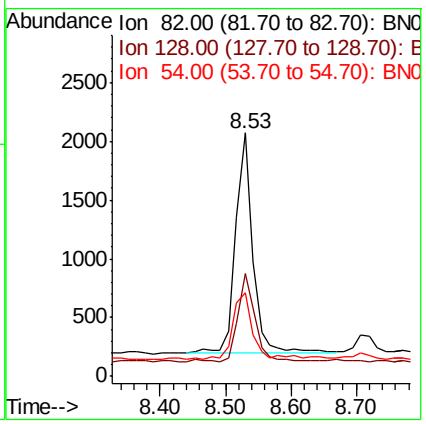
#8
Nitrobenzene-d5
Concen: 0.163 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

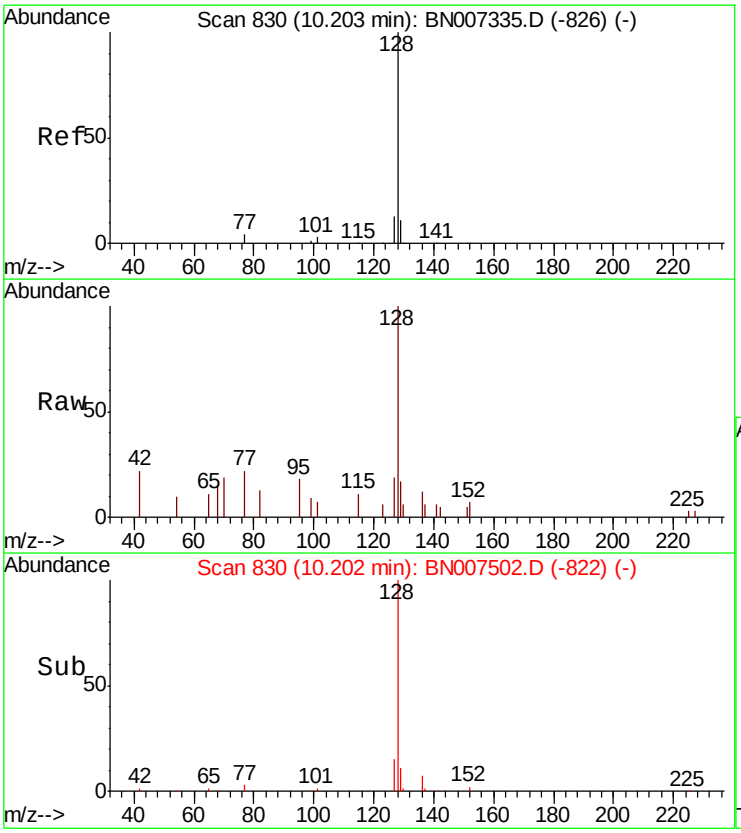
Tgt Ion: 82 Resp: 3388

Ion	Ratio	Lower	Upper
82	100		
128	42.4	19.7	29.5#
54	34.5	25.8	38.6

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

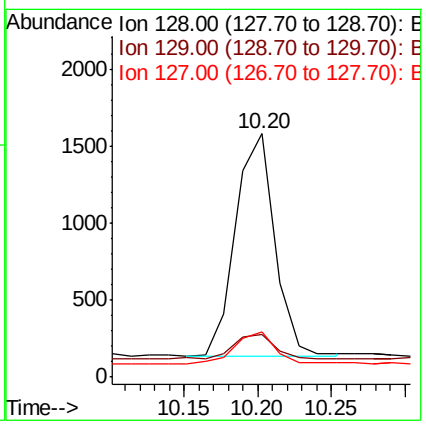


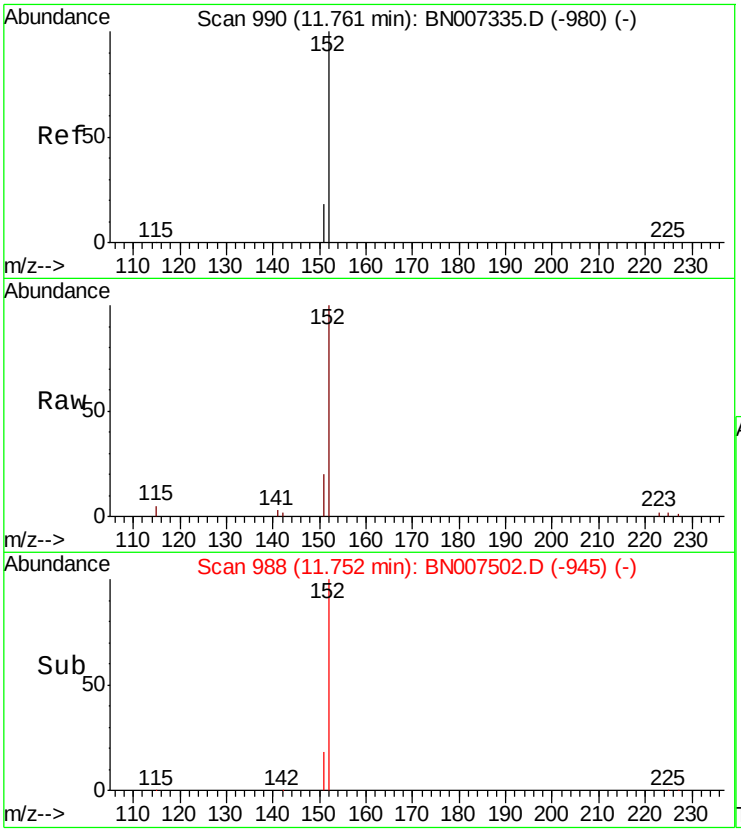


#9
Naphthalene
Concen: 0.039 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:128 Resp: 2654

Ion	Ratio	Lower	Upper
128	100		
129	17.4	11.1	16.7#
127	18.6	15.5	23.3





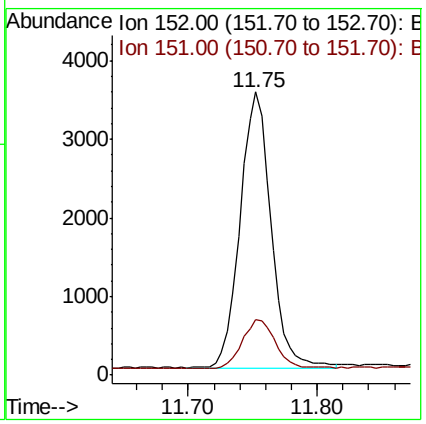
#11
2-Methylnaphthalene-d10
Concen: 0.147 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

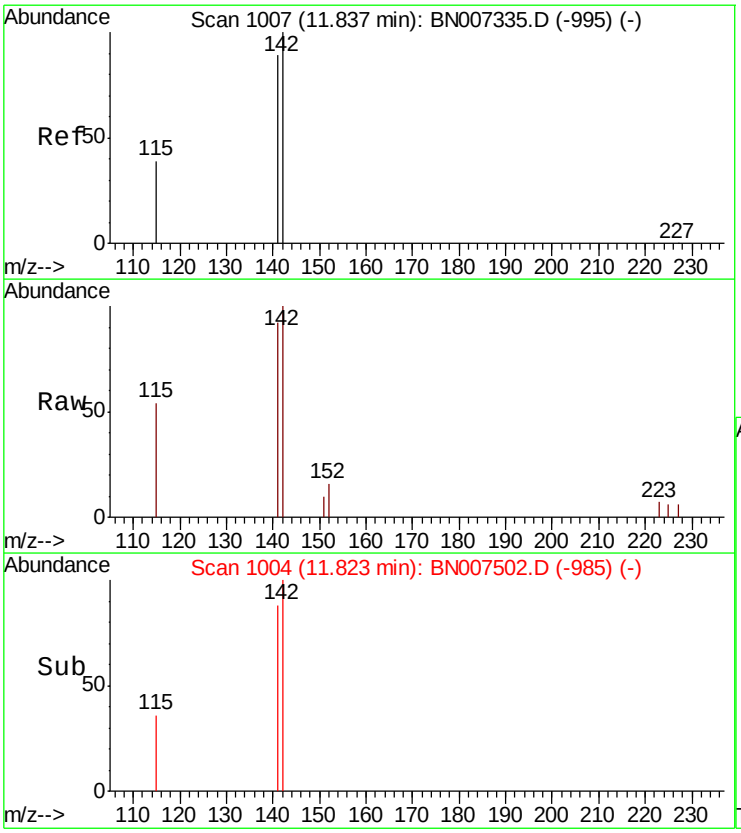
Tgt Ion:152 Resp: 5836

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

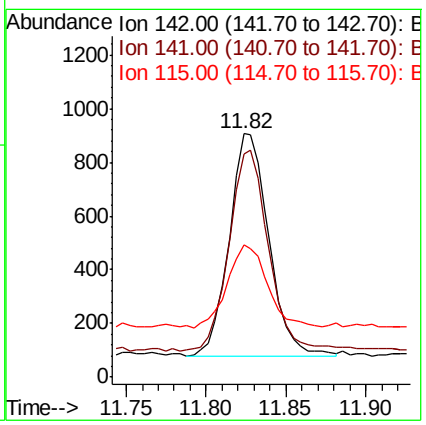


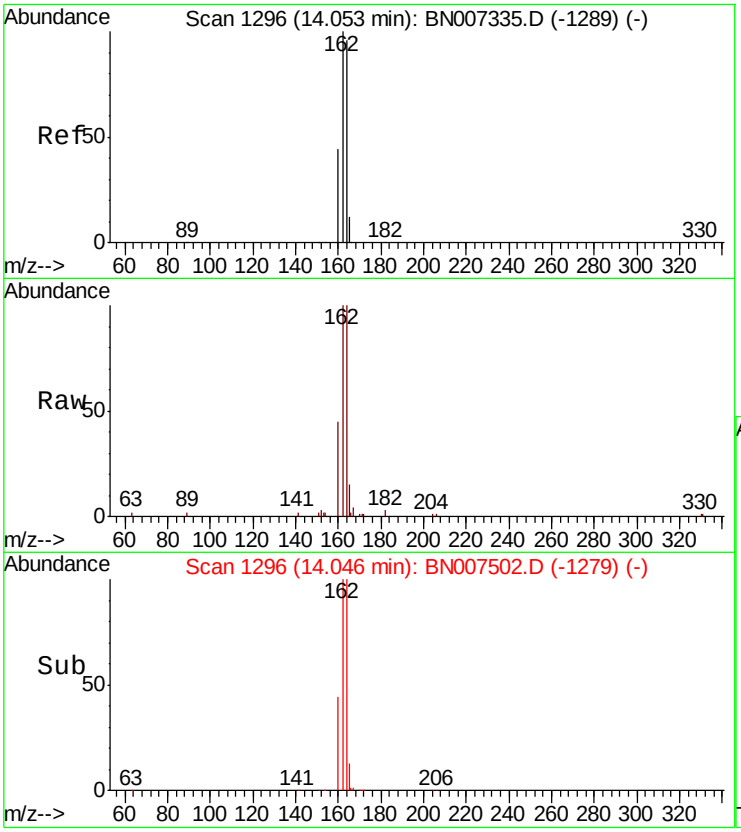


#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 11.82 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:142 Resp: 1418

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.8	109.2
115	54.4	35.2	52.8#

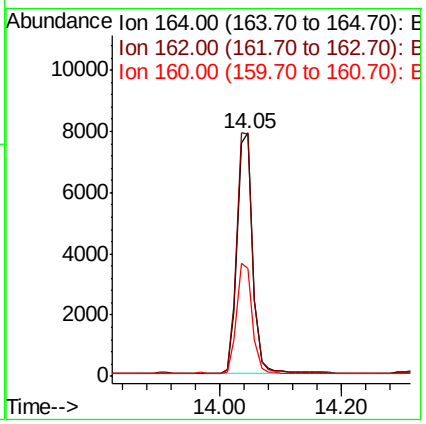




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

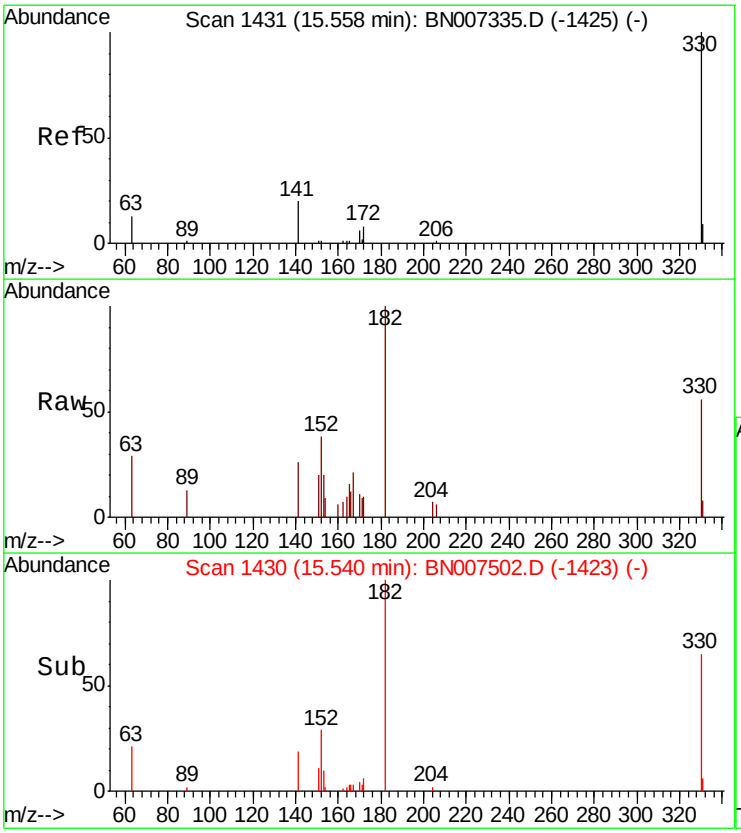
Tgt Ion:164 Resp: 13985

Ion	Ratio	Lower	Upper
164	100		
162	99.8	83.5	125.3
160	44.6	38.2	57.4



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

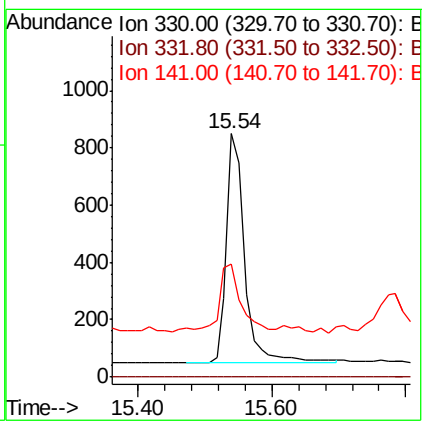
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

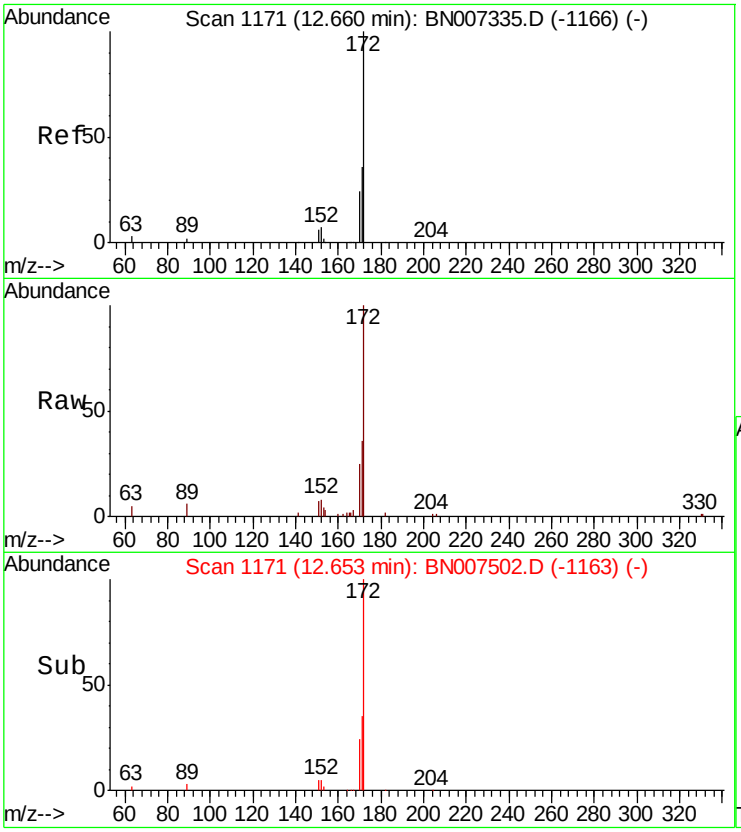


#14
2,4,6-Tribromophenol
Concen: 0.207 ng
RT: 15.54 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:330 Resp: 1511

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.7	26.9	40.3

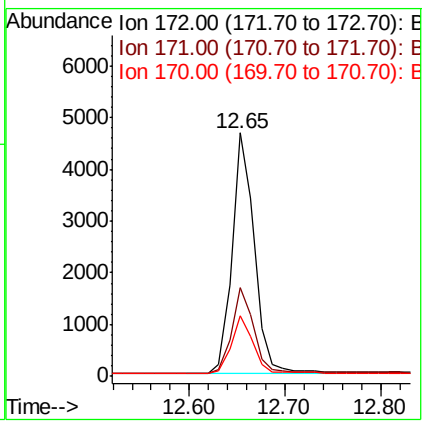




#15
2-Fluorobiphenyl
Concen: 0.133 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

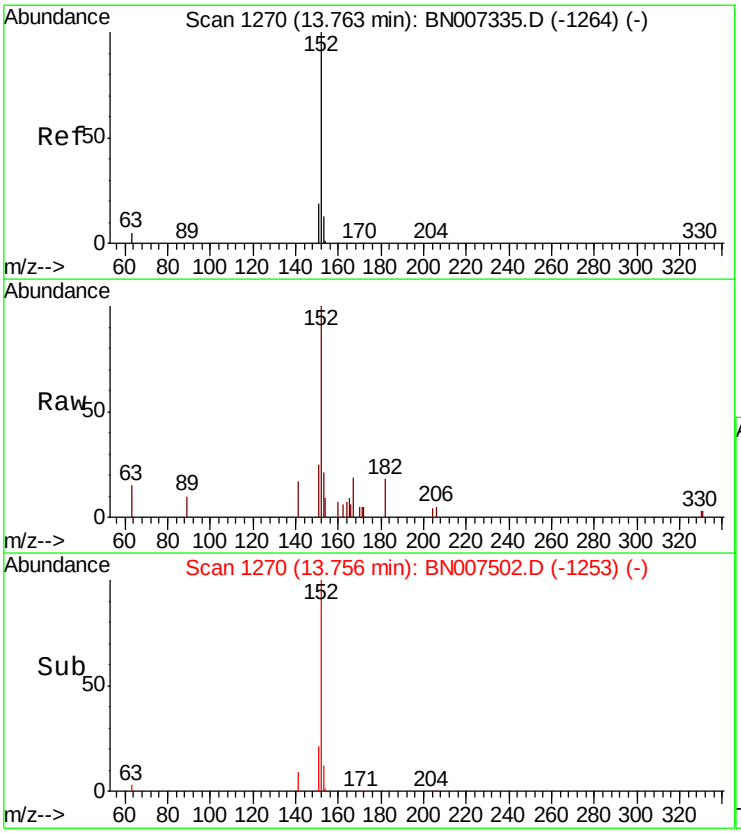
Tgt Ion:172 Resp: 7529

Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.3	45.5
170	24.9	20.7	31.1



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

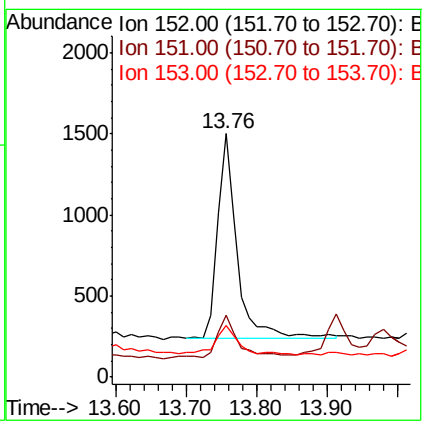
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

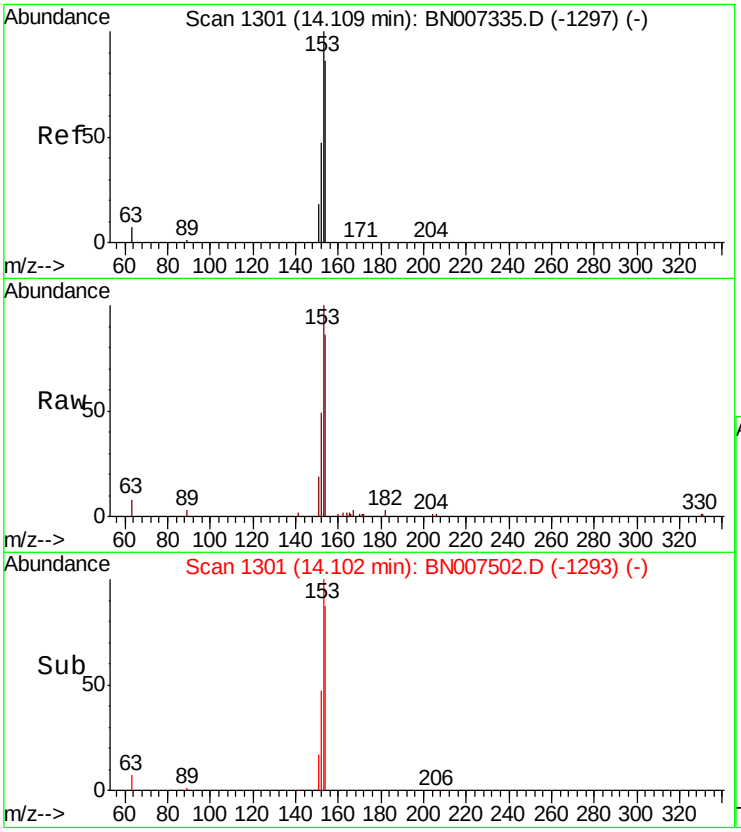


#16
Acenaphthylene
Concen: 0.029 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:152 Resp: 2425

Ion	Ratio	Lower	Upper
152	100		
151	26.9	16.1	24.1#
153	17.1	10.6	15.8#

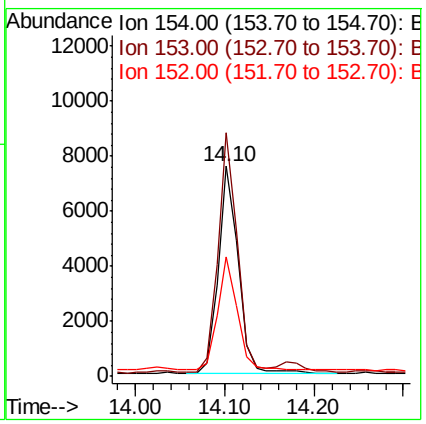




#17
Acenaphthene
Concen: 0.242 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

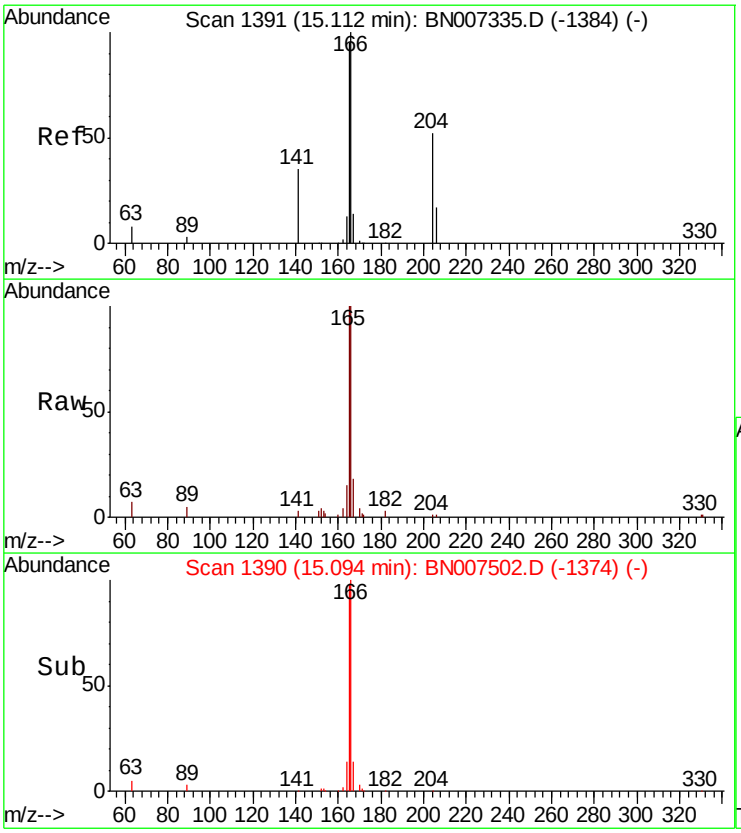
Tgt Ion:154 Resp: 11717

Ion	Ratio	Lower	Upper
154	100		
153	112.3	92.8	139.2
152	54.2	43.8	65.8



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

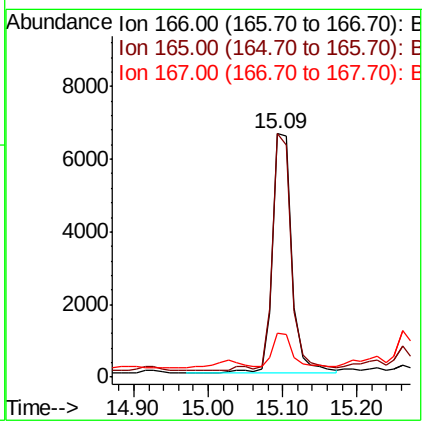
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

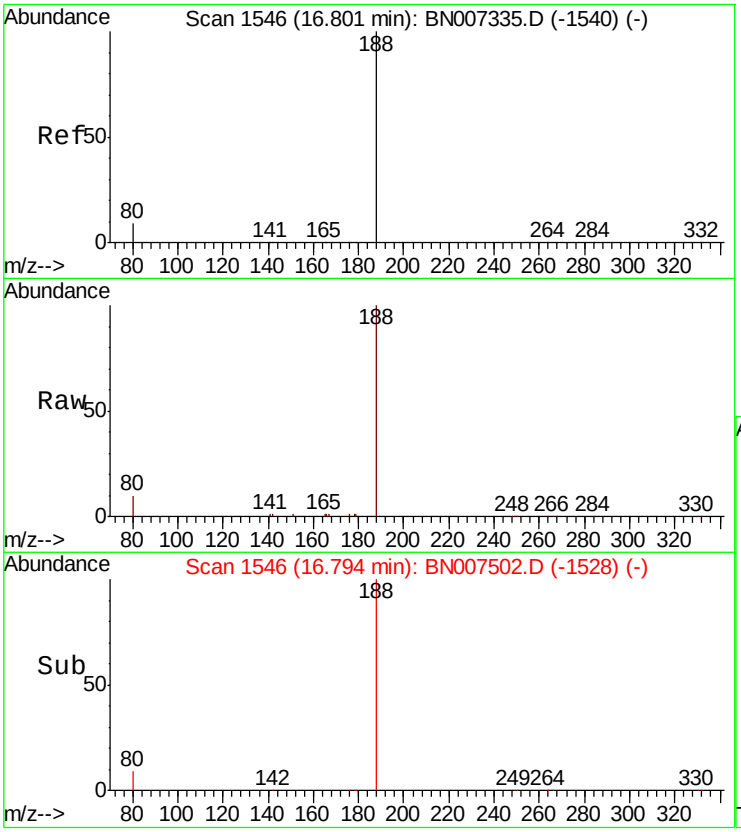


#18
Fluorene
Concen: 0.196 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:166 Resp: 12022

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.0	118.4
167	13.9	10.6	15.8





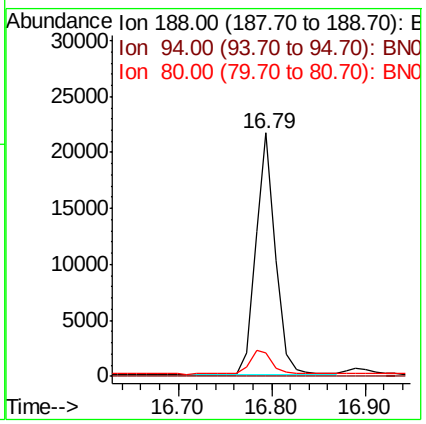
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

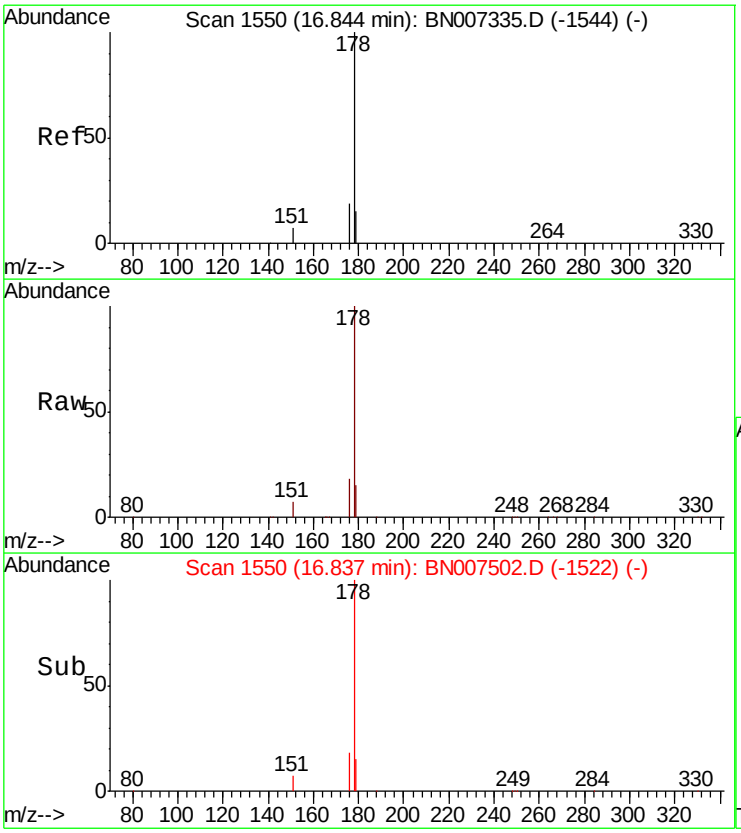
Tgt Ion:188 Resp: 31947

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	11.8	17.8#

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

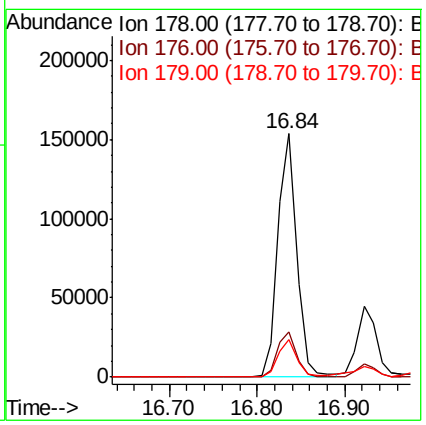


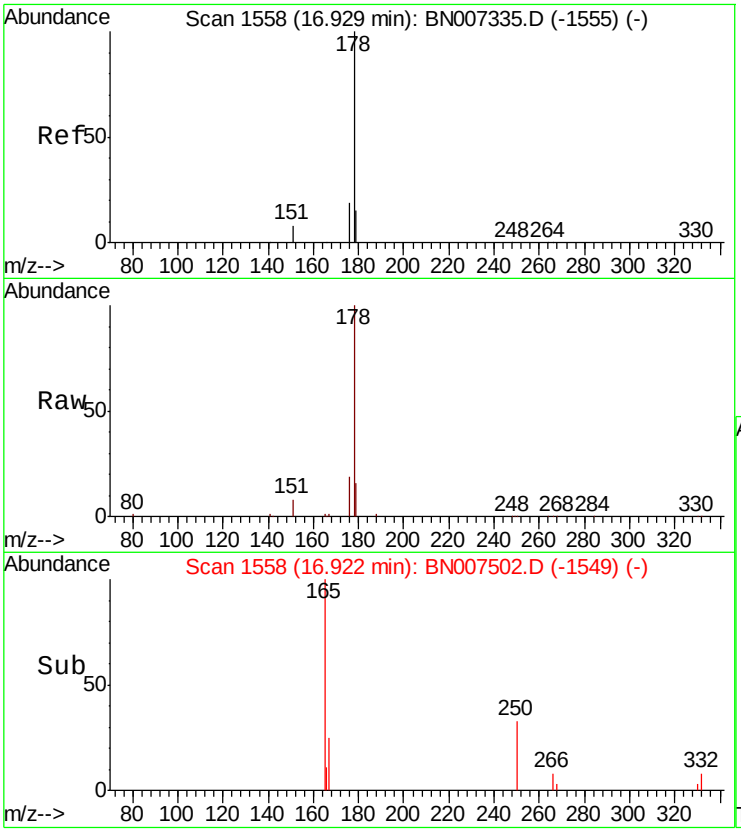


#23
Phenanthrene
Concen: 2.394 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:178 Resp: 230086

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.6	19.0





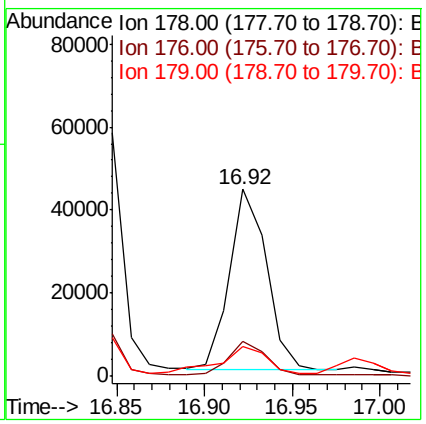
#24
Anthracene
Concen: 0.647 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

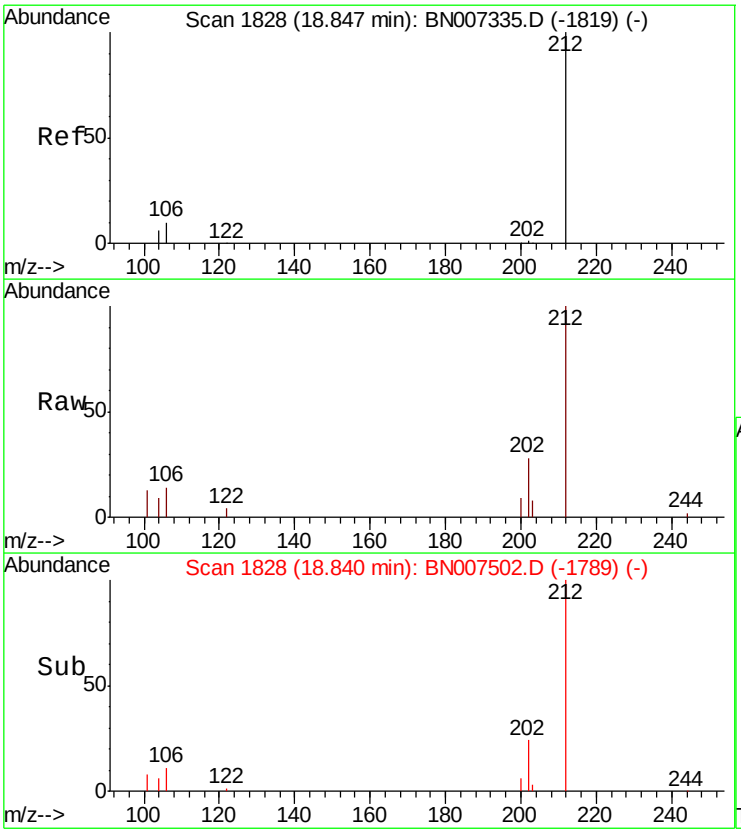
Tgt Ion:178 Resp: 62567

Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.9	22.3
179	19.1	12.4	18.6#

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

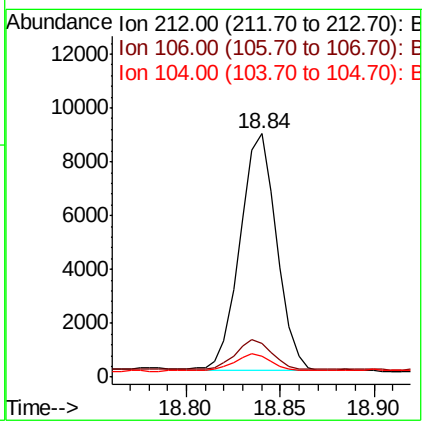


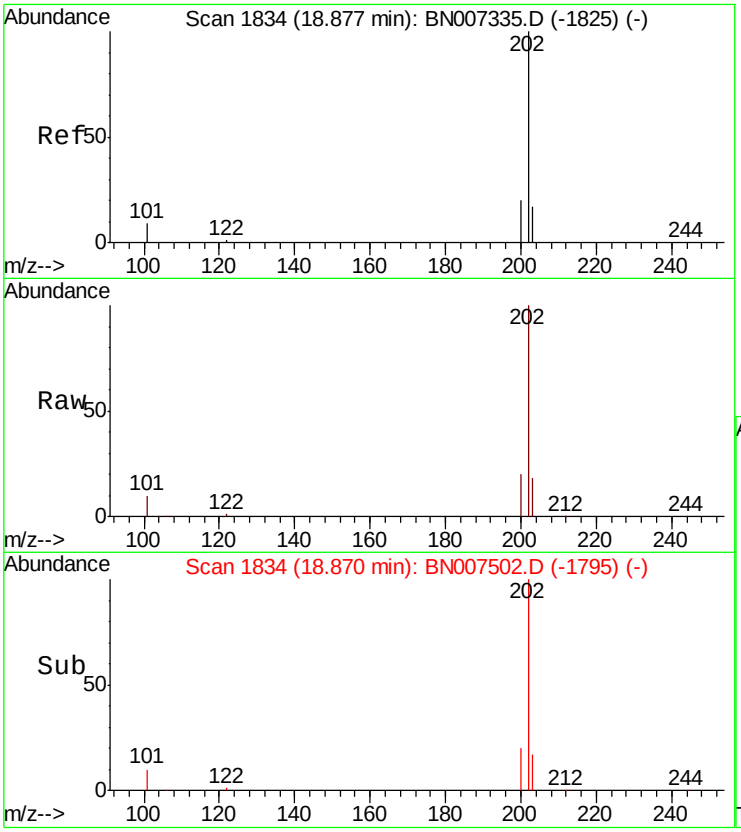


#25
Fluoranthene-d10
Concen: 0.115 ng
RT: 18.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:212 Resp: 11851

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.0	13.4
104	7.7	5.4	8.2





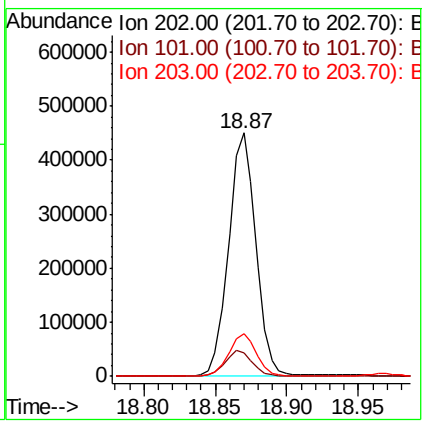
#26
Fluoranthene
Concen: 4.841 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

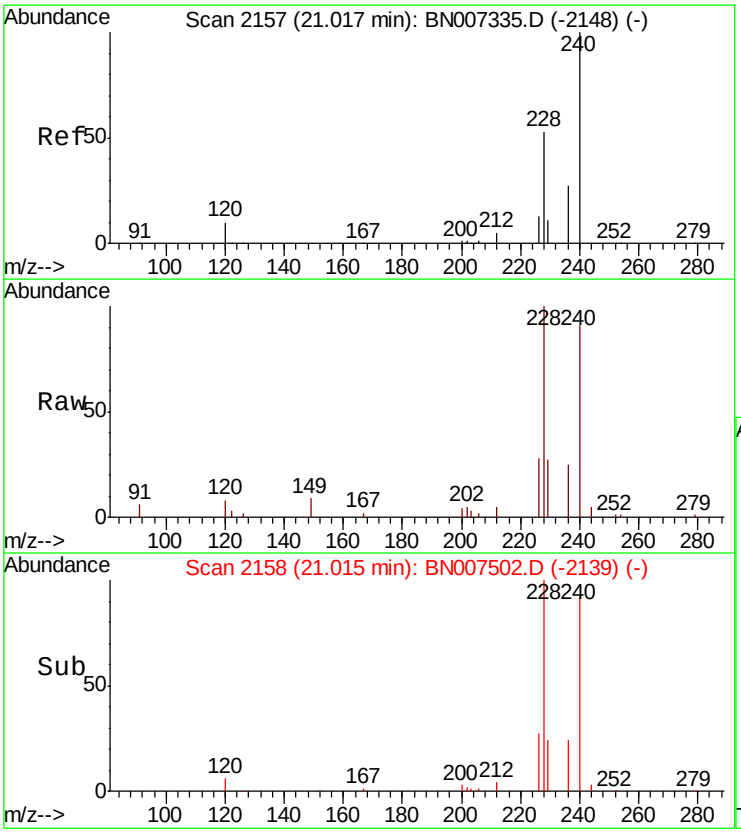
Tgt Ion:202 Resp: 597237

Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.7	11.5
203	17.4	13.7	20.5

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

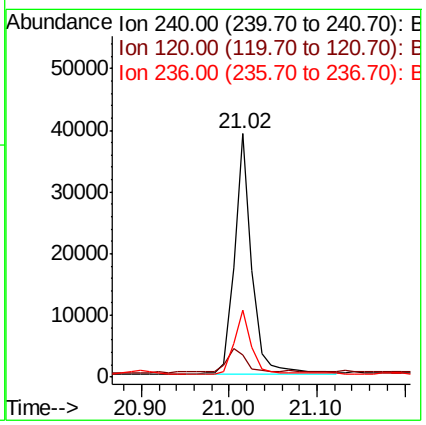


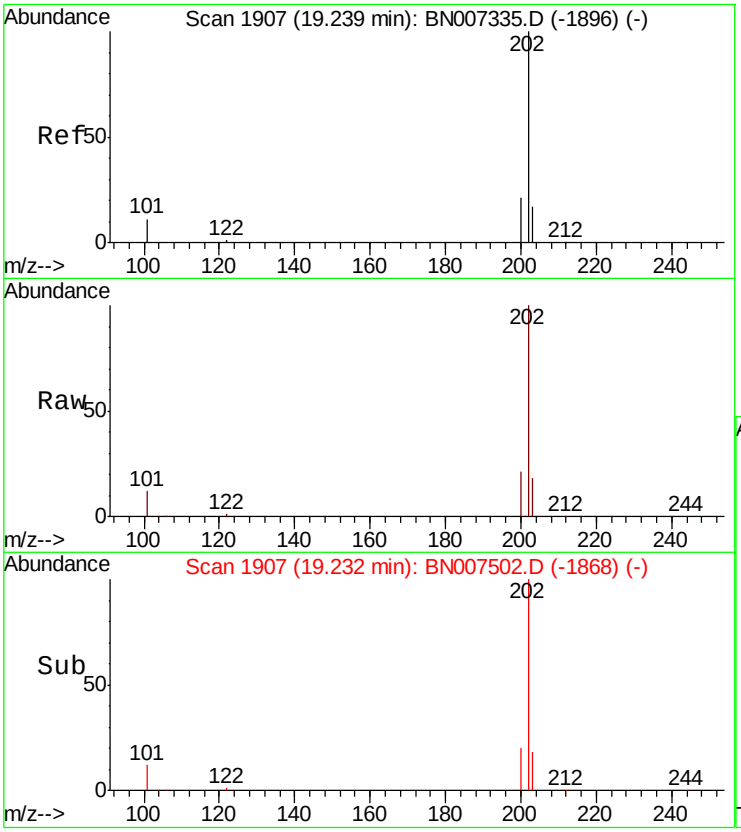


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:240 Resp: 53421

Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.6	14.4#
236	27.3	22.2	33.2





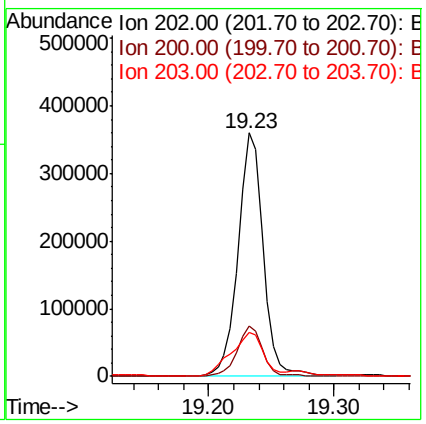
#28
Pyrene
Concen: 2.309 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

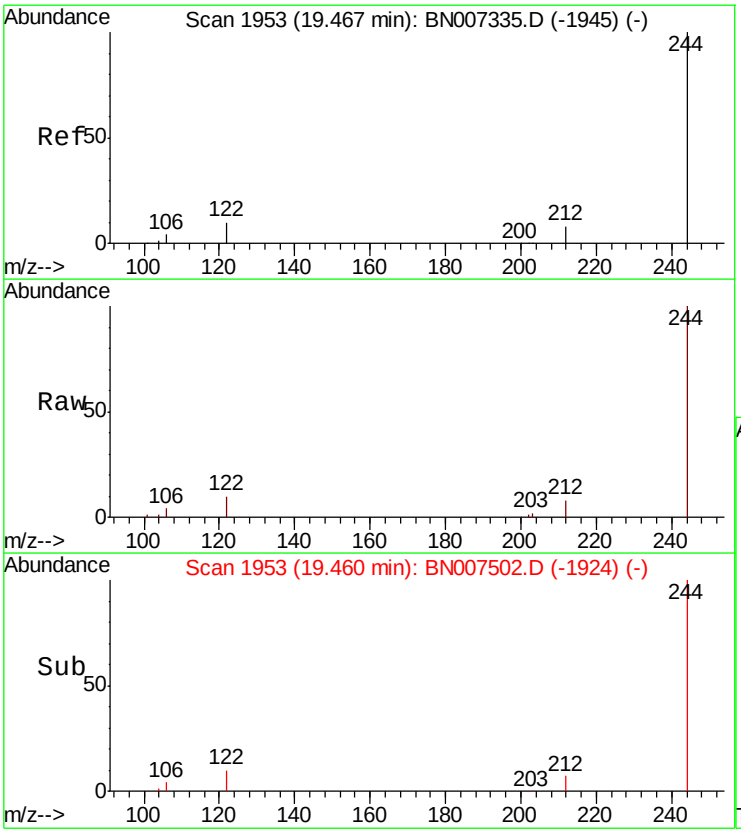
Tgt Ion:202 Resp: 496272

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	23.3	14.2	21.4#

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

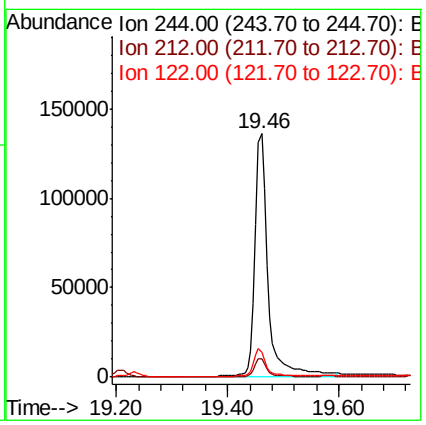


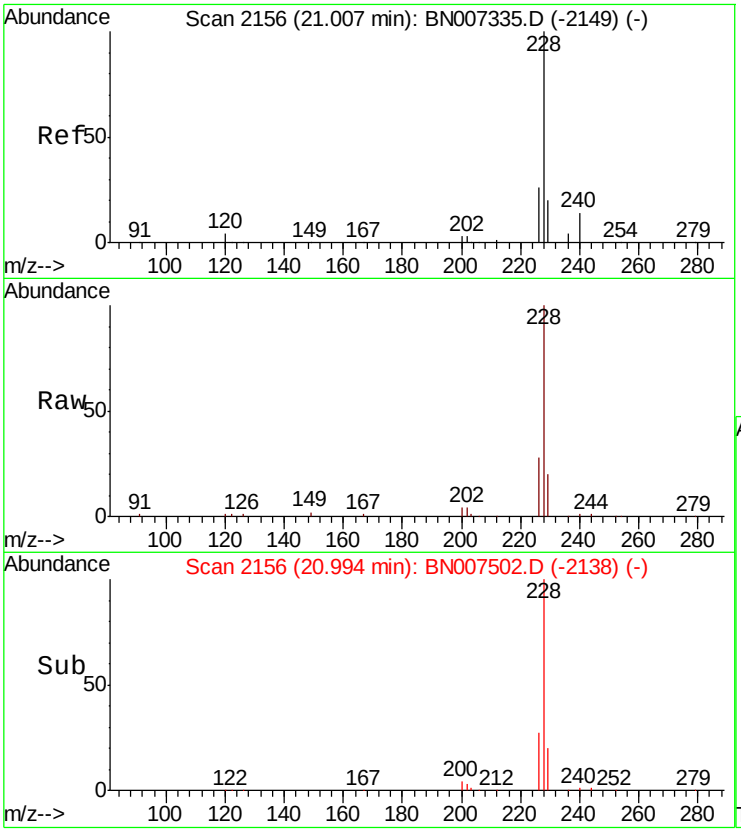


#29
Terphenyl-d14
Concen: 1.580 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:244 Resp: 220837

Ion	Ratio	Lower	Upper
244	100		
212	7.5	7.0	10.6
122	10.3	9.6	14.4

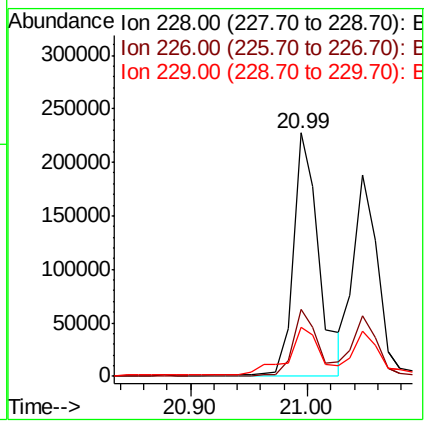




#30
Benzo(a)anthracene
Concen: 1.633 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

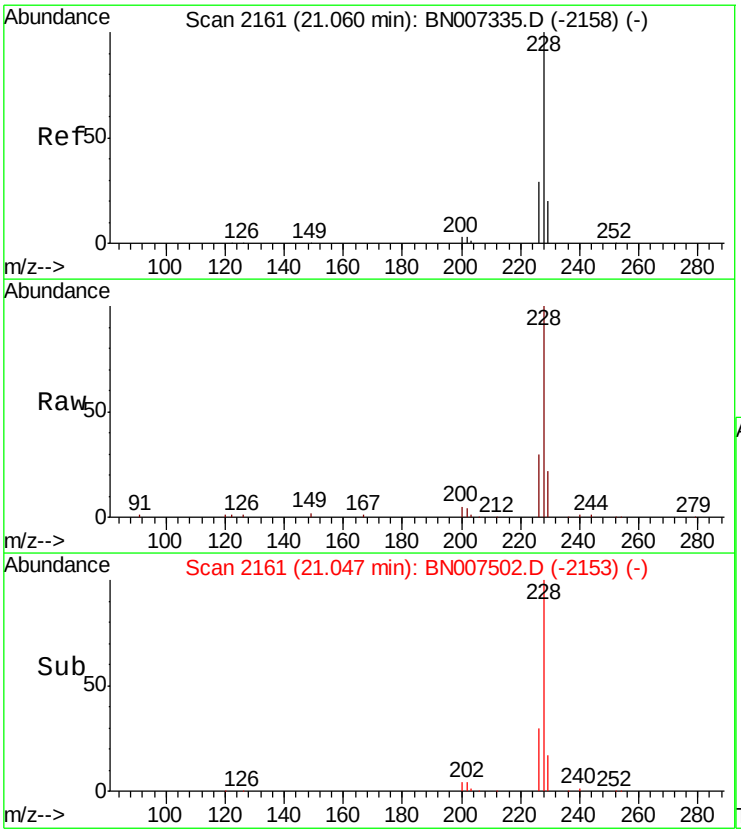
Tgt Ion:228 Resp: 342686

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.3	31.9
229	20.2	16.1	24.1



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

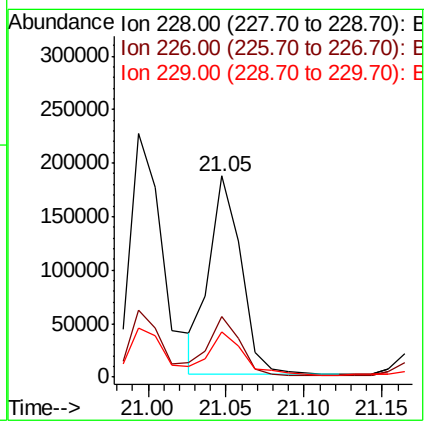
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

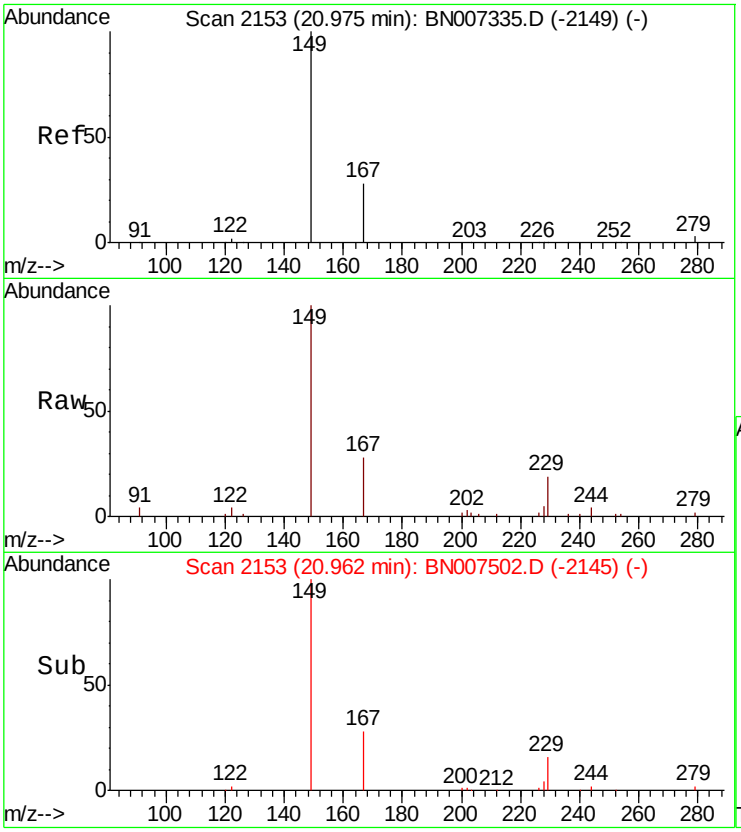


#31
Chrysene
Concen: 1.291 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:228 Resp: 261451

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.5	35.3
229	22.3	16.6	24.8

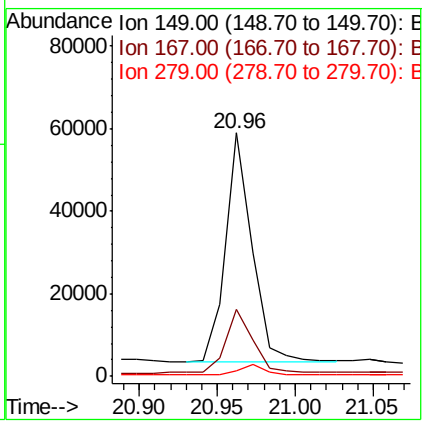




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.457 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

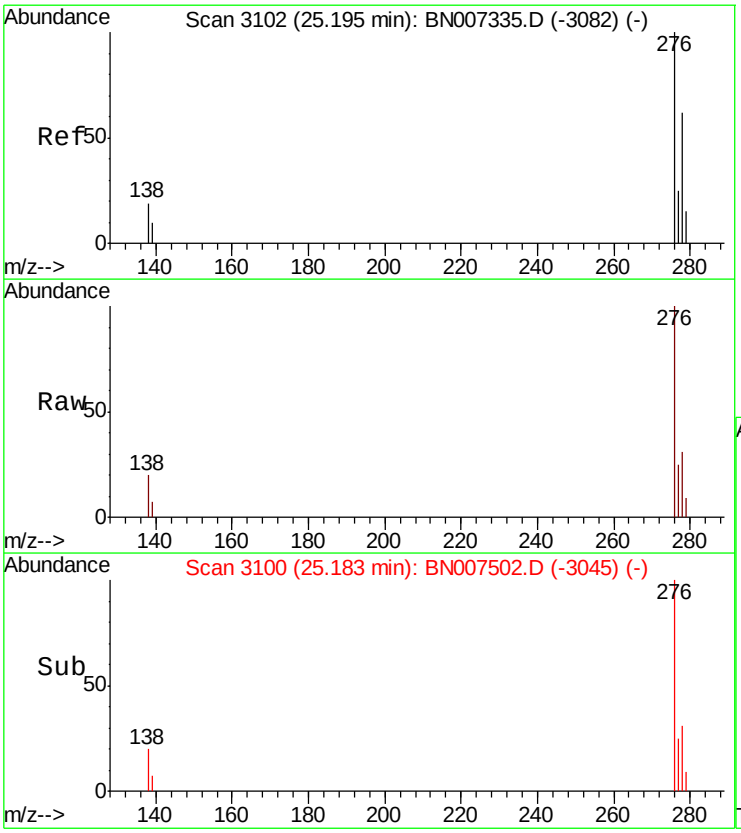
Tgt Ion:149 Resp: 64640

Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.8	34.2
279	4.4	3.5	5.3



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

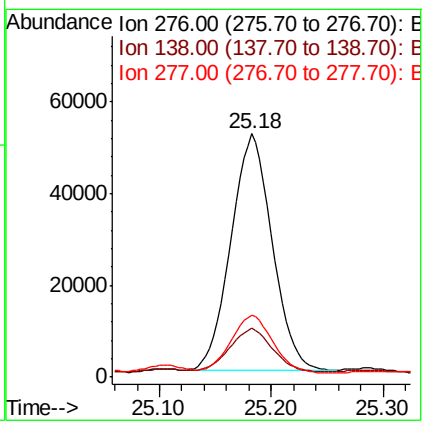
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

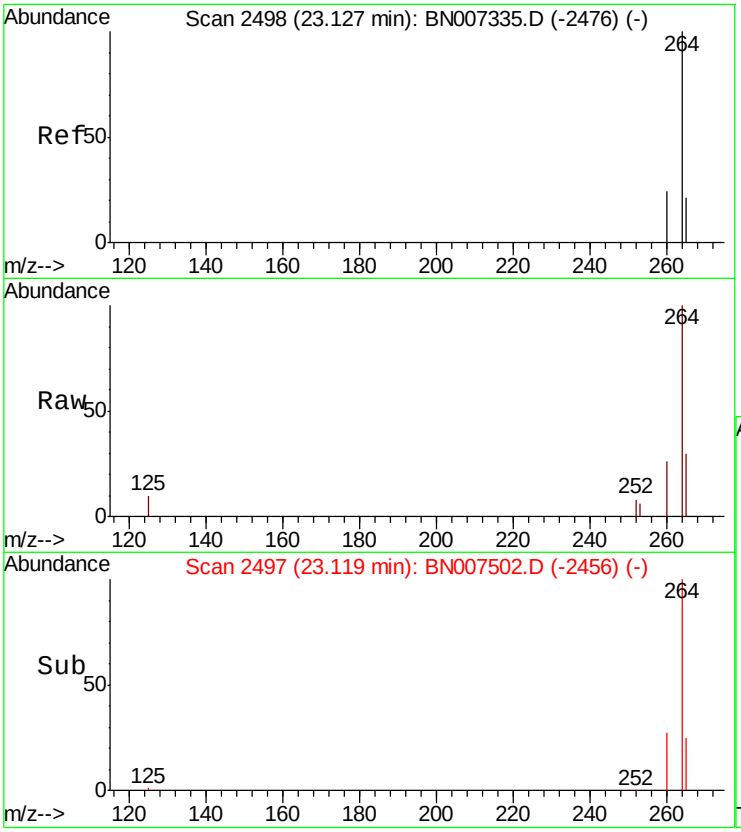


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.538 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:276 Resp: 131312

Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.1	22.7
277	26.0	19.7	29.5





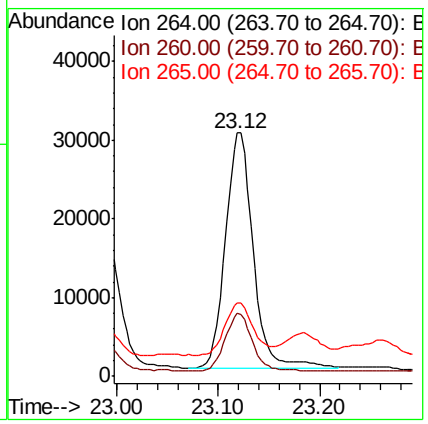
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

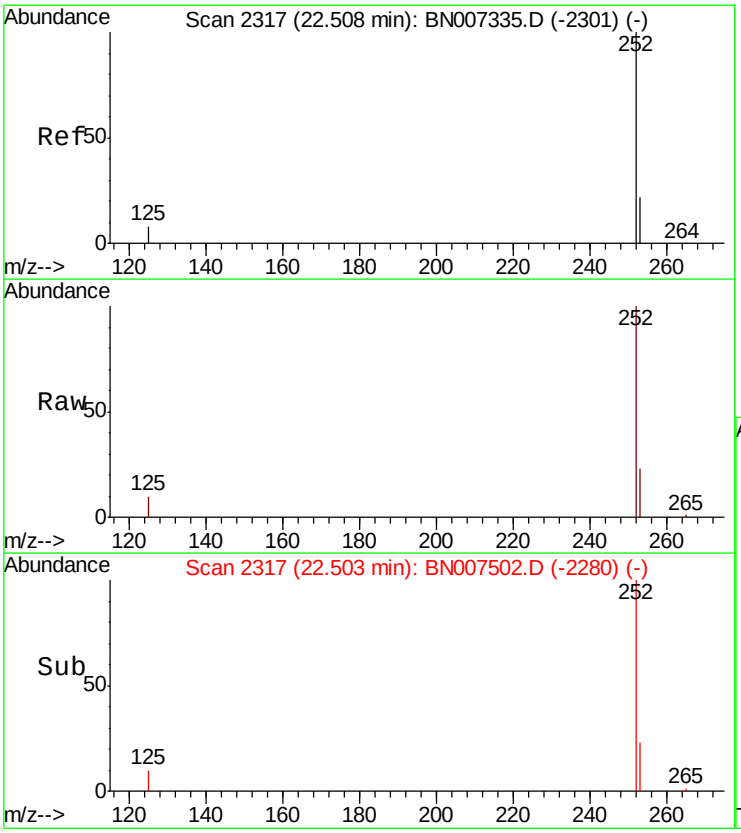
Tgt Ion:264 Resp: 56862

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.7	29.5
265	30.4	29.9	44.9

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

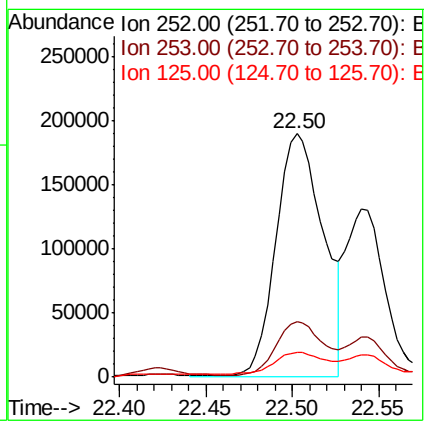


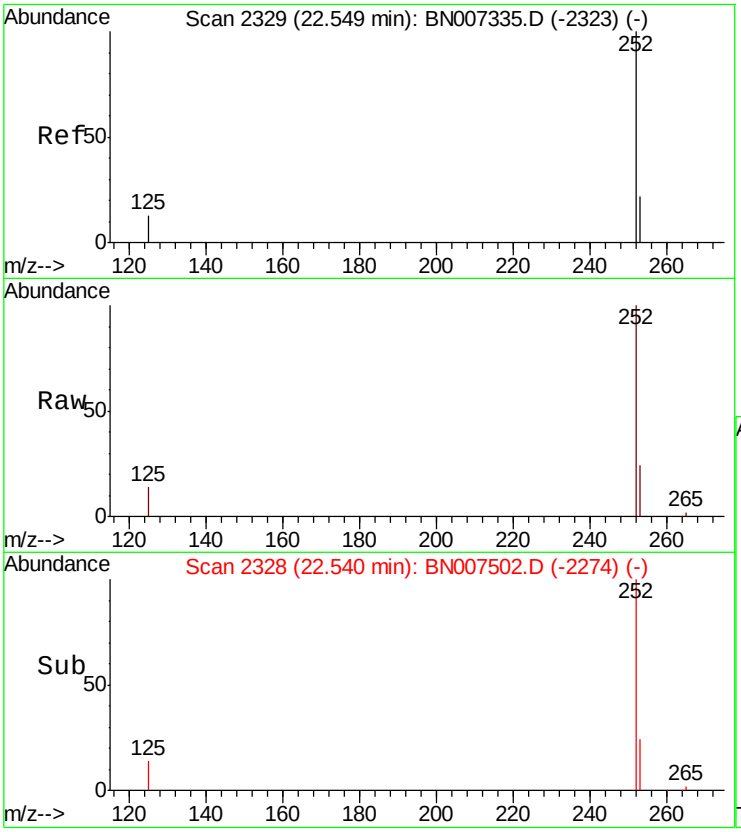


#35
Benzo(b)fluoranthene
Concen: 1.777 ng m
RT: 22.50 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:252 Resp: 366006

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	10.1	10.6	16.0#

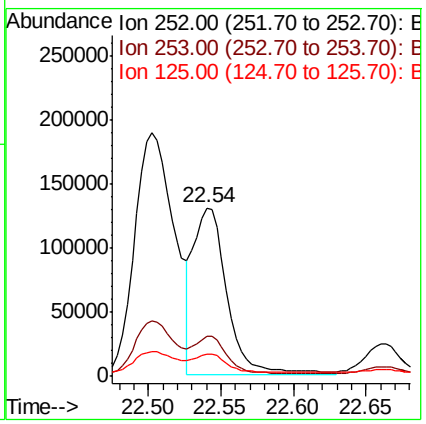




#36
Benzo(k)fluoranthene
Concen: 1.027 ng
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

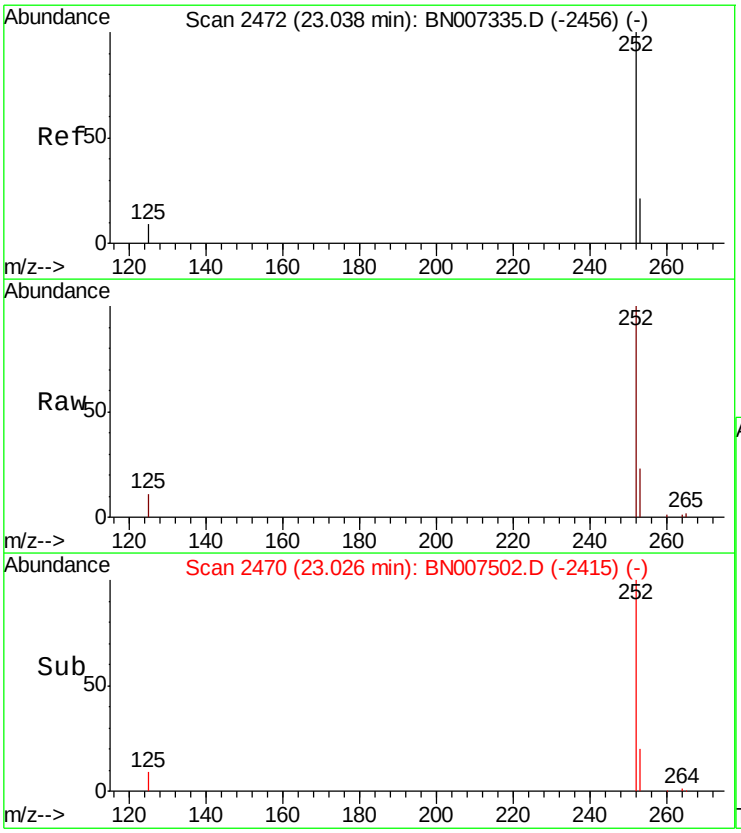
Tgt Ion:252 Resp: 209071

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	13.5	13.1	19.7



Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

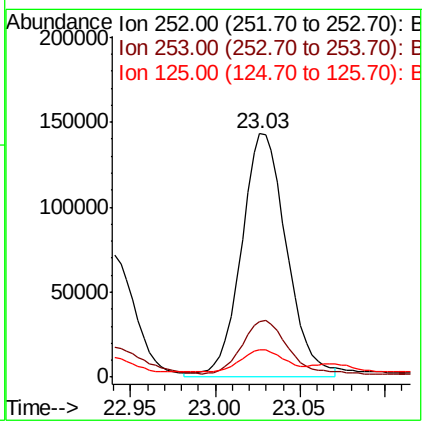
Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM

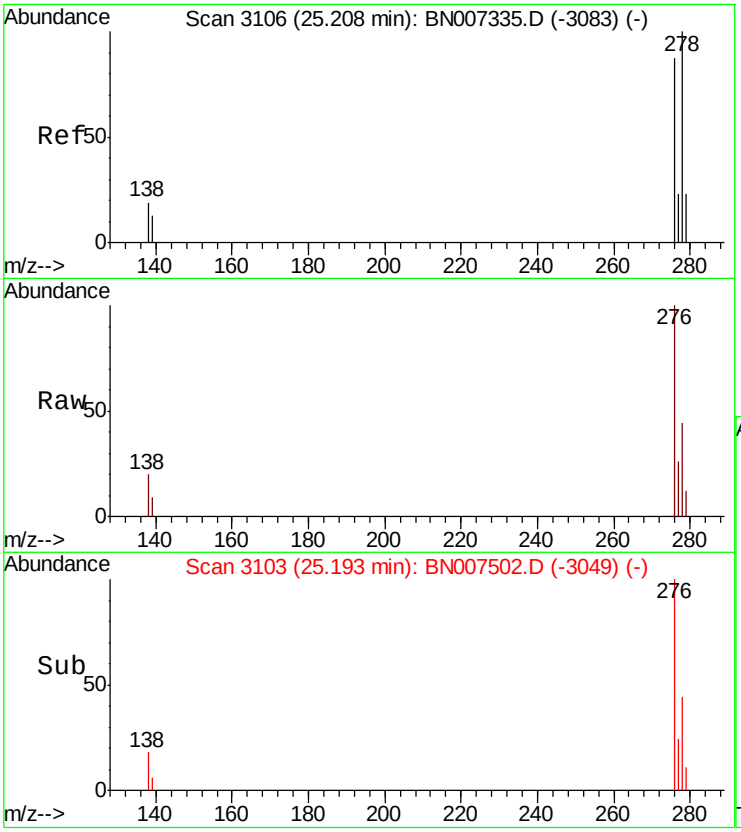


#37
Benzo(a)pyrene
Concen: 1.361 ng m
RT: 23.03 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:252 Resp: 266841

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.5	29.3
125	11.2	12.1	18.1#





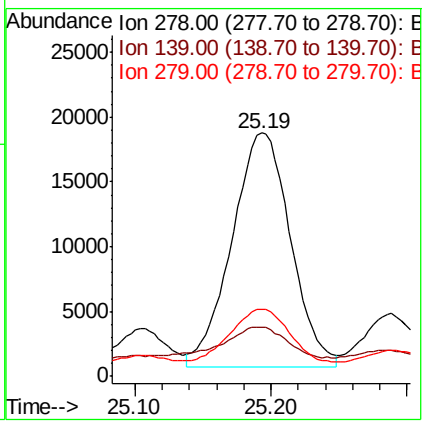
#38
Dibenzo(a,h)anthracene
Concen: 0.276 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

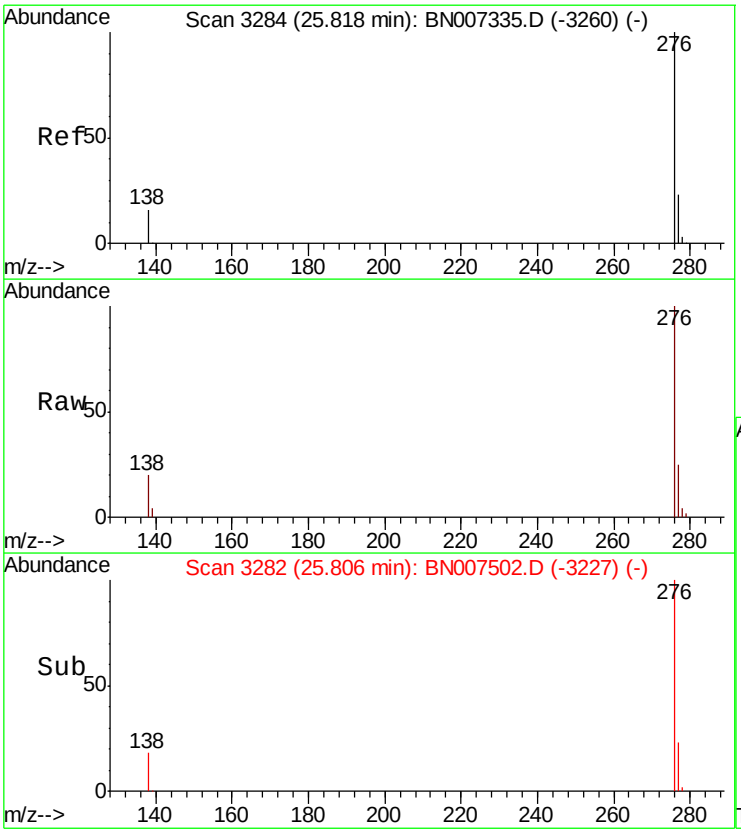
Tgt Ion:278 Resp: 53926

Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.7	20.5
279	27.7	20.2	30.4

Instrument :
BNA_N
ClientSampleId :
S302B-J-1.5-2.0-082319DL

Manual Integrations APPROVED
JAGRUT
8/30/2019 8:58:00 AM





#39
Benzo(g,h,i)perylene
Concen: 0.613 ng
RT: 25.81 min Scan# 3282
Delta R.T. -0.01 min
Lab File: BN007502.D
Acq: 29 Aug 2019 14:19

Tgt Ion:276 Resp: 119542

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	20.1	16.3	24.5