

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017943.D
 Acq On : 12 Dec 2021 16:41
 Operator : CG/JU
 Sample : M4988-04
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D3-20211207

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/13/2021
 Supervised By : Jagrut Upadhyay 12/13/2021

Quant Time: Dec 13 00:40:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	27777	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	111082	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	75792	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	144712	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	110467	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	87147	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	7853	0.137	ng	0.00
5) Phenol-d6	6.903	99	4477	0.079	ng	0.00
8) Nitrobenzene-d5	8.846	82	20232	0.279	ng	-0.01
11) 2-Methylnaphthalene-d10	12.090	152	47958	0.246	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	3319	0.413	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	77874	0.292	ng	0.00
27) Fluoranthene-d10	19.124	212	146230	0.312	ng	0.00
31) Terphenyl-d14	19.730	244	132026	0.485	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	31804m	3.773	ng	
9) Naphthalene	10.545	128	9618	0.035	ng	# 95
30) Pyrene	19.516	202	9417	0.022	ng	99
32) Benzo(a)anthracene	21.272	228	20179	0.107	ng	# 89
33) Chrysene	21.325	228	22223	0.061	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	1133087	9.554	ng	98
36) Indeno(1,2,3-cd)pyrene	25.961	276	8307m	0.134	ng	
37) Benzo(b)fluoranthene	22.891	252	17107	0.059	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	14952	0.053	ng	# 2
39) Benzo(a)pyrene	23.486	252	15015	0.059	ng	# 1
40) Dibenzo(a,h)anthracene	25.988	278	5643m	0.146	ng	
41) Benzo(g,h,i)perylene	26.673	276	8309	0.060	ng	# 65

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

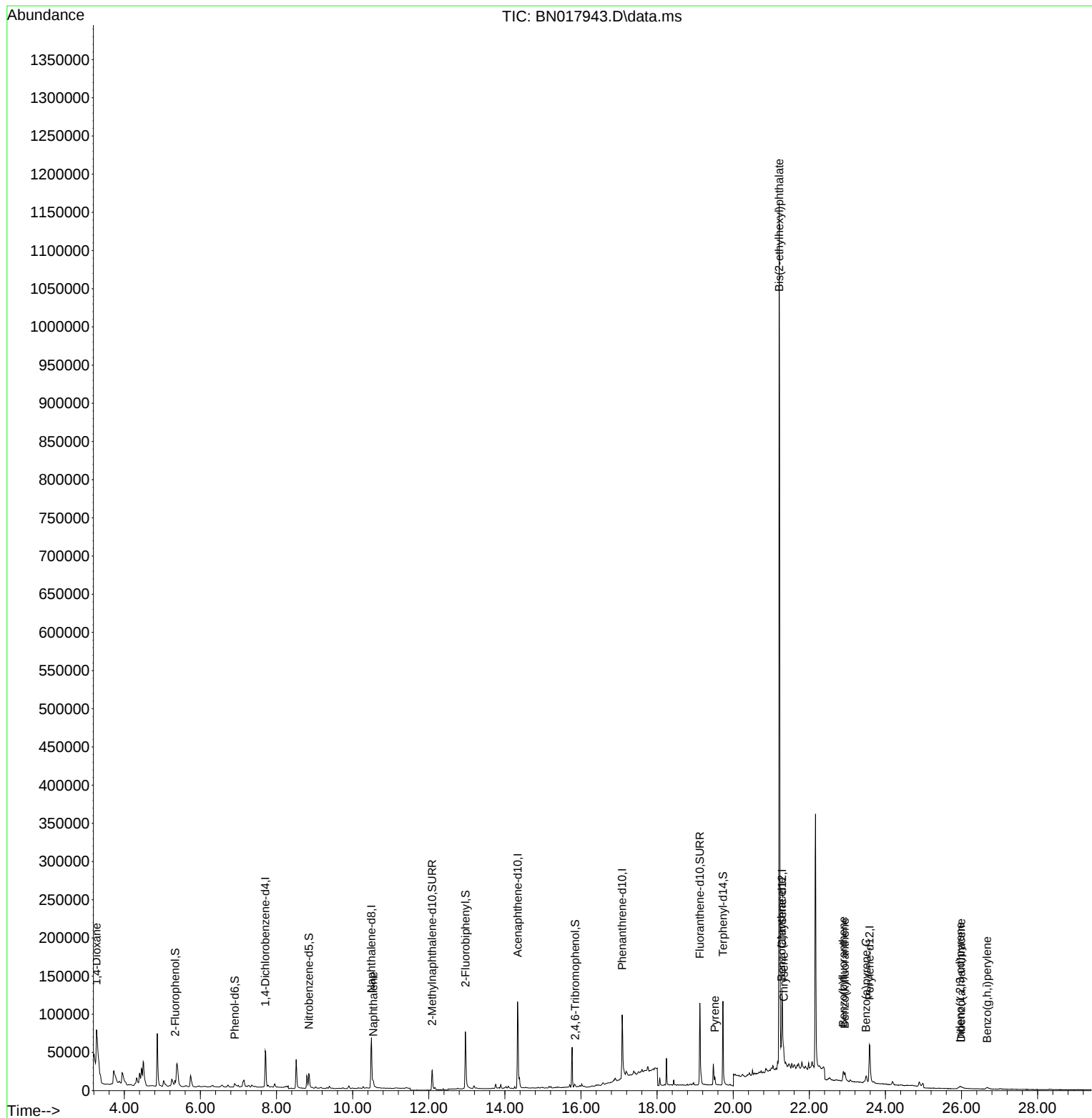
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
Data File : BN017943.D
Acq On : 12 Dec 2021 16:41
Operator : CG/JU
Sample : M4988-04
Misc :
ALS Vial : 68 Sample Multiplier: 1

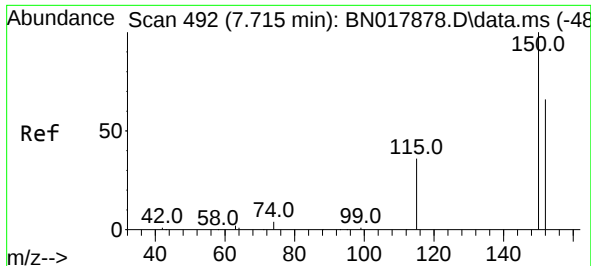
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207

Quant Time: Dec 13 00:40:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 00:01:30 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

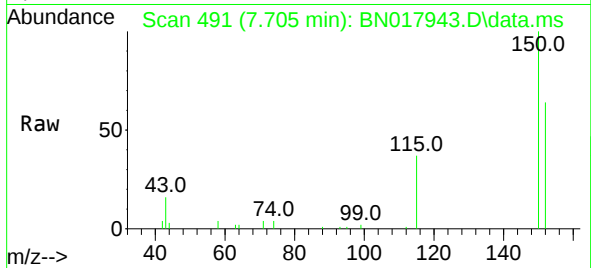
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.705 min Scan# 49
Delta R.T. -0.010 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

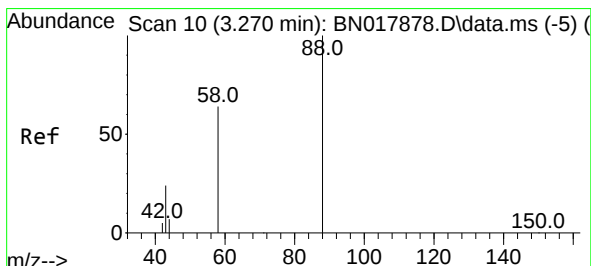
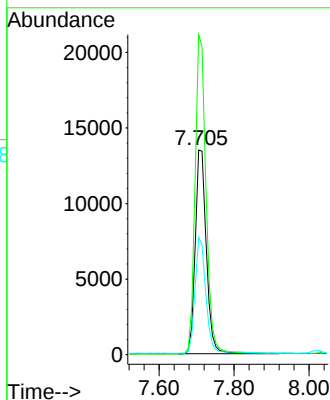
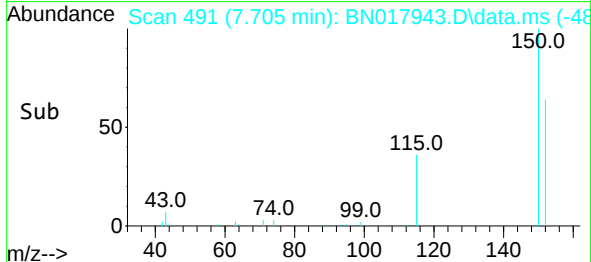
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



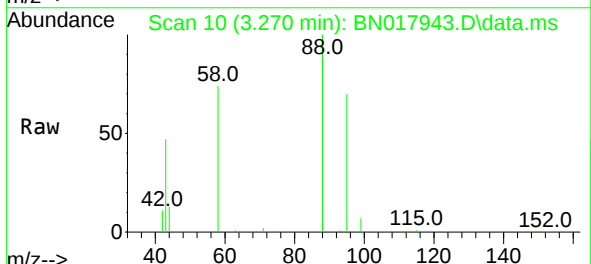
Tgt Ion:152 Resp: 2777
Ion Ratio Lower Upper
152 100
150 156.4 121.9 182.9
115 57.4 44.1 66.1

Manual Integrations
APPROVED

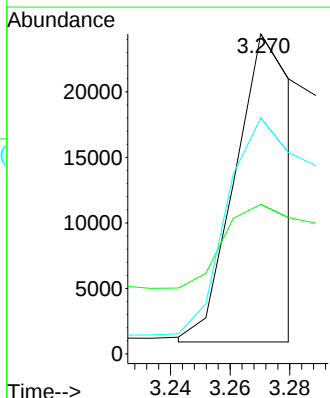
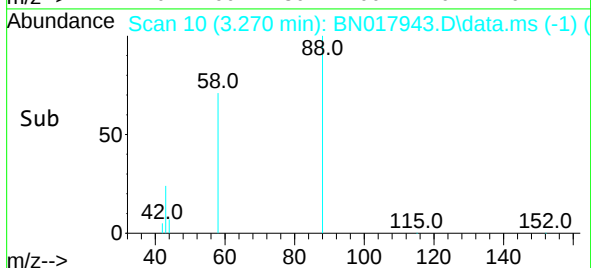
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

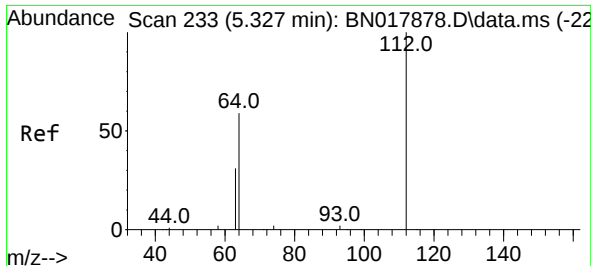


#2
1,4-Dioxane
Concen: 3.773 ng m
RT: 3.270 min Scan# 10
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41



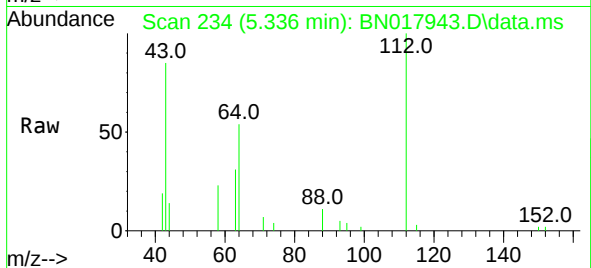
Tgt Ion: 88 Resp: 31804
Ion Ratio Lower Upper
88 100
43 47.1 28.0 42.0#
58 119.6 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.137 ng
RT: 5.336 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

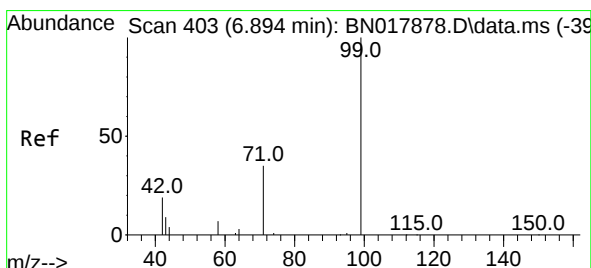
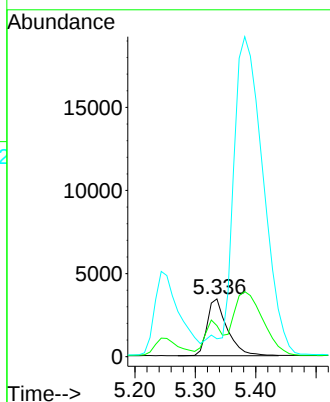
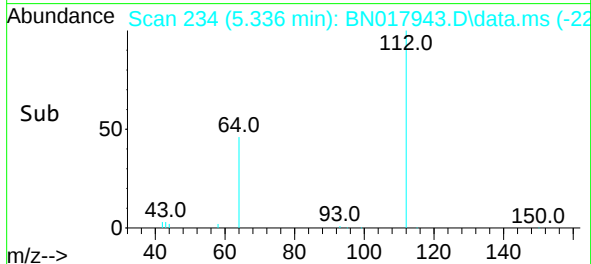
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion: 112 Resp: 785
Ion Ratio Lower Upper
112 100
64 40.2 49.0 73.4
63 0.0 26.2 39.2

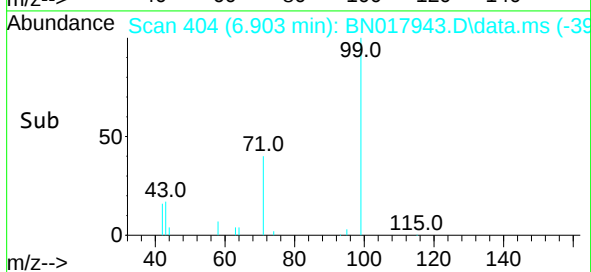
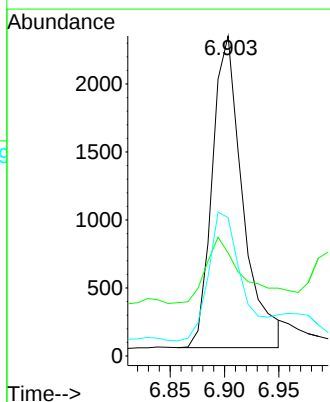
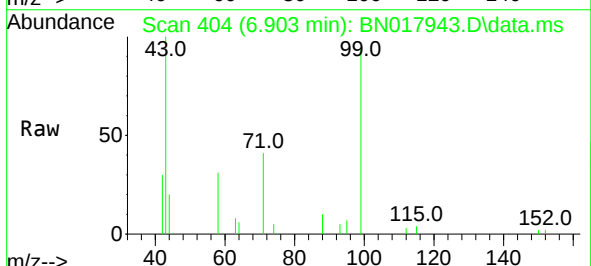
Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021



#5
Phenol-d6
Concen: 0.079 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

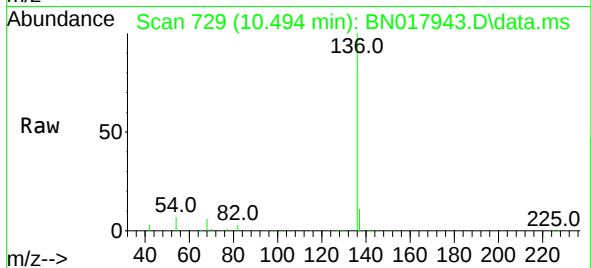
Tgt Ion: 99 Resp: 4477
Ion Ratio Lower Upper
99 100
42 24.1 17.0 25.4
71 45.1 28.0 42.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

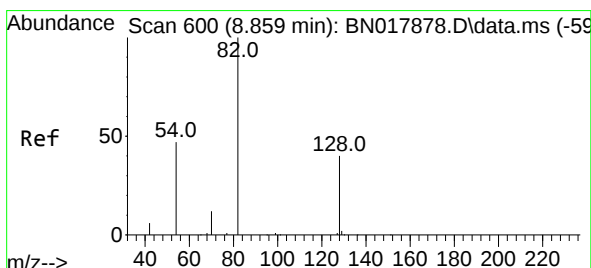
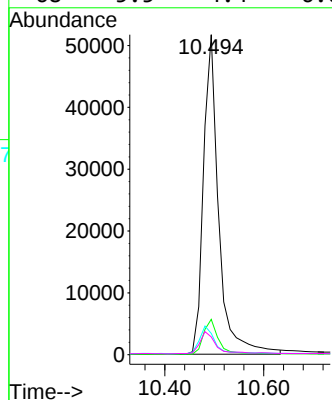
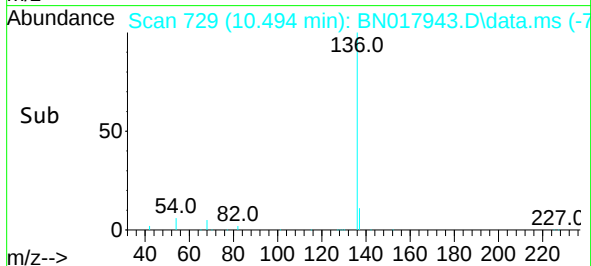
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:136 Resp: 11108
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.1 7.7
68 5.5 4.4 6.6

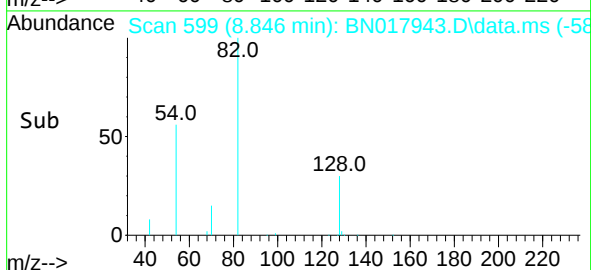
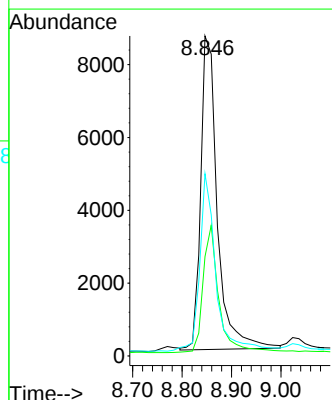
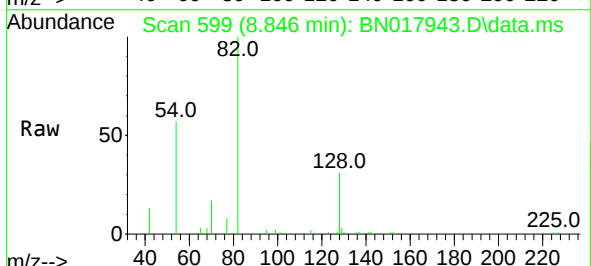
Manual Integrations
APPROVED

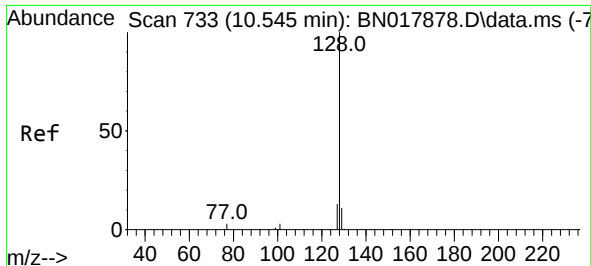
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

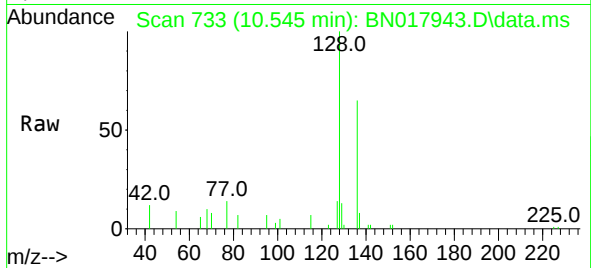
Tgt Ion: 82 Resp: 20232
Ion Ratio Lower Upper
82 100
128 31.0 32.2 48.4#
54 56.9 37.6 56.4#





#9
Naphthalene
Concen: 0.035 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

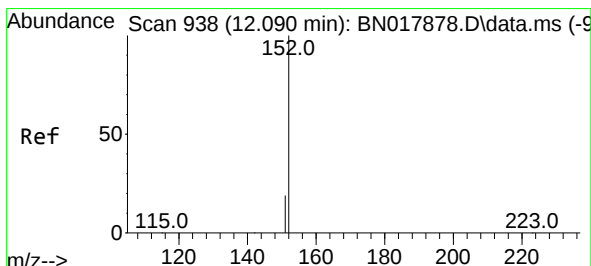
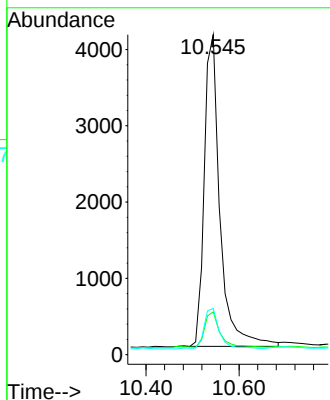
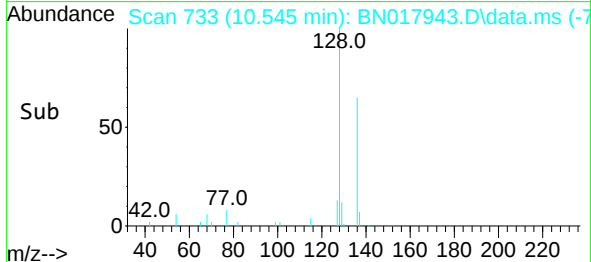
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:128 Resp: 9618
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2
127 14.4 10.5 15.7

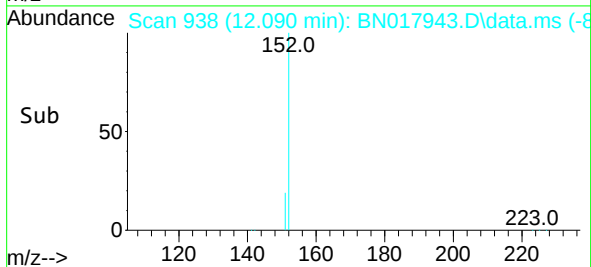
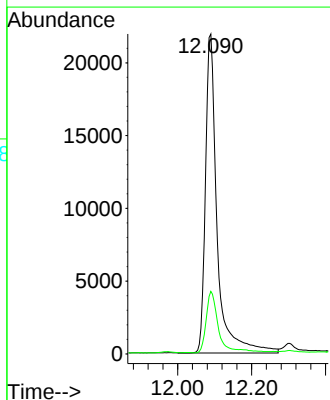
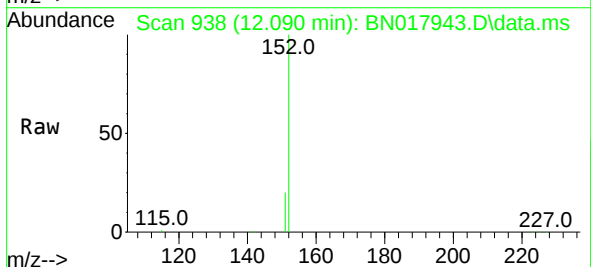
Manual Integrations
APPROVED

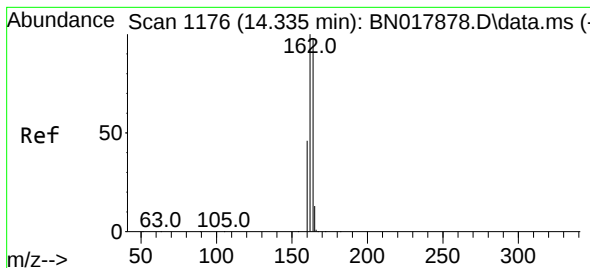
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 12.090 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

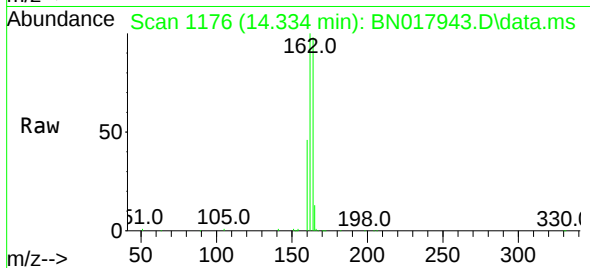
Tgt Ion:152 Resp: 47958
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

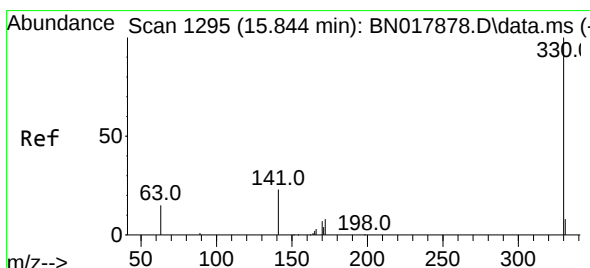
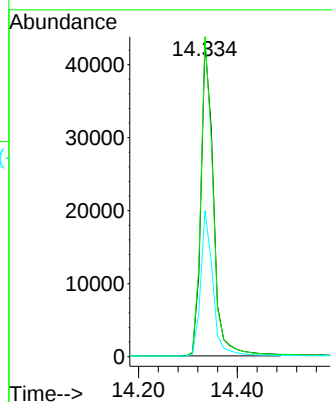
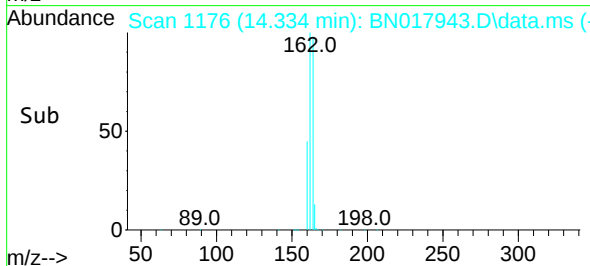
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



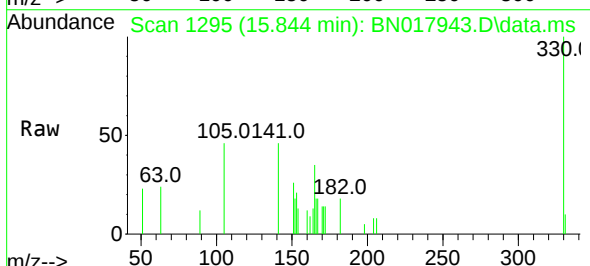
Tgt Ion:164 Resp: 75792
Ion Ratio Lower Upper
164 100
162 101.8 82.1 123.1
160 46.5 38.2 57.2

Manual Integrations
APPROVED

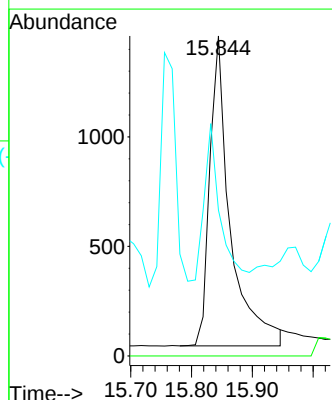
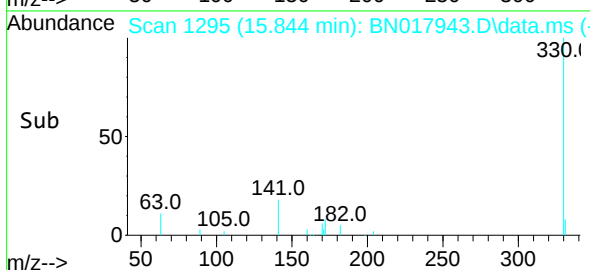
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

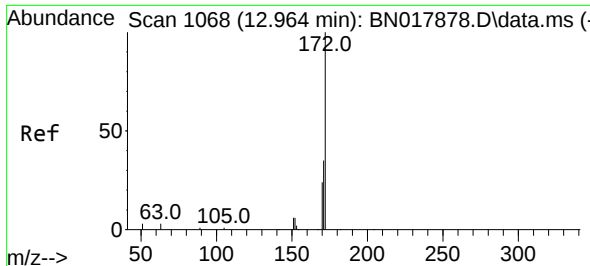


#14
2,4,6-Tribromophenol
Concen: 0.413 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41



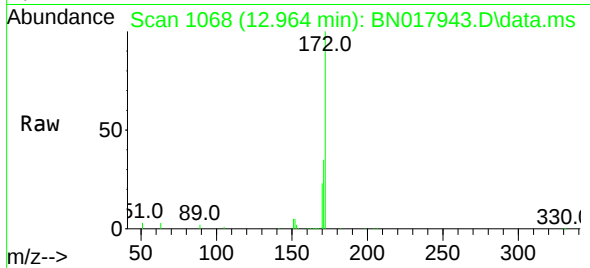
Tgt Ion:330 Resp: 3319
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.4 19.7 29.5





#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

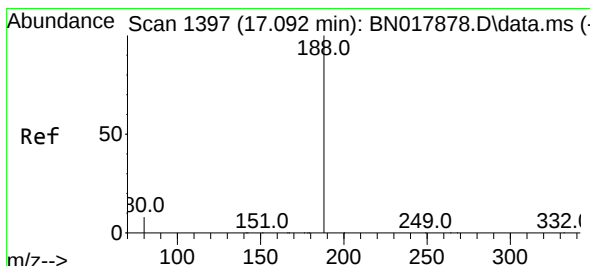
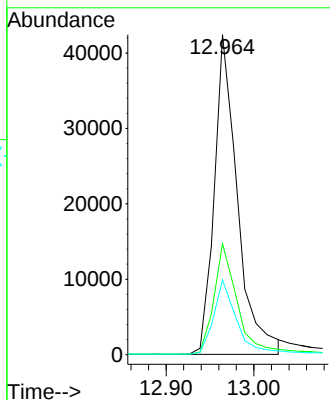
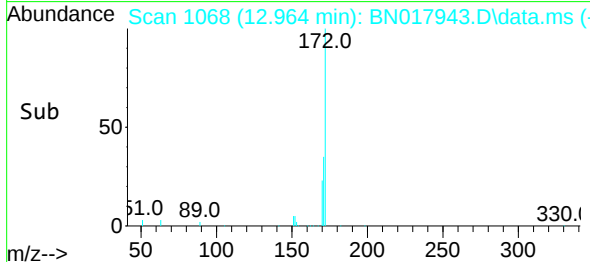
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



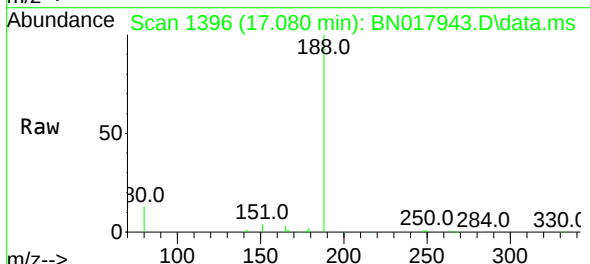
Tgt Ion:172 Resp: 77874
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.4 19.1 28.7

Manual Integrations
APPROVED

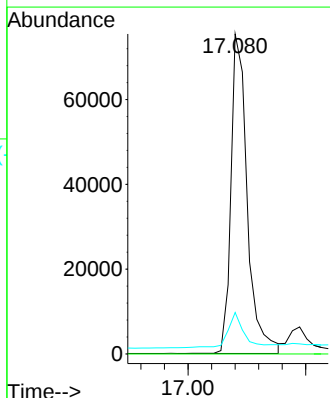
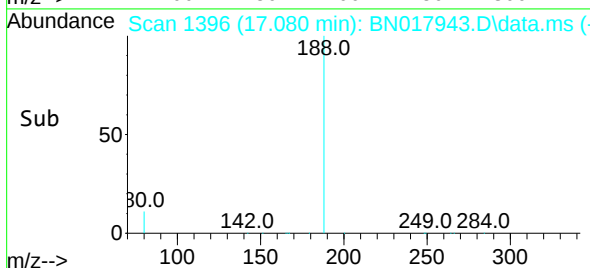
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

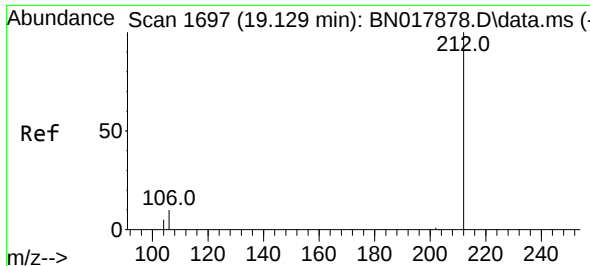


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41



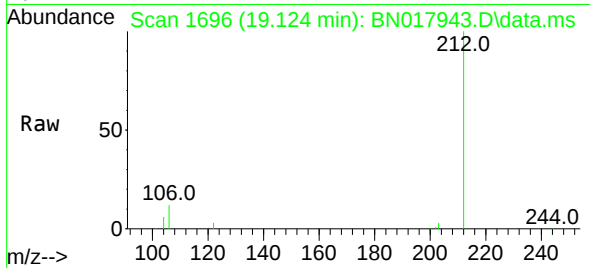
Tgt Ion:188 Resp: 144712
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.0 6.2 9.2#





#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

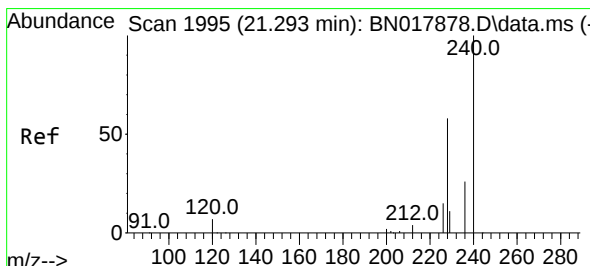
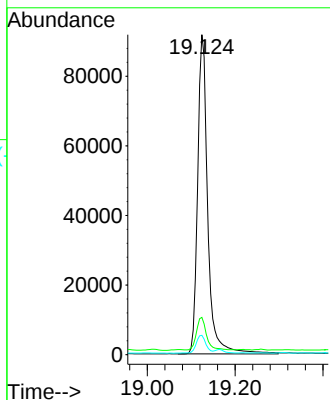
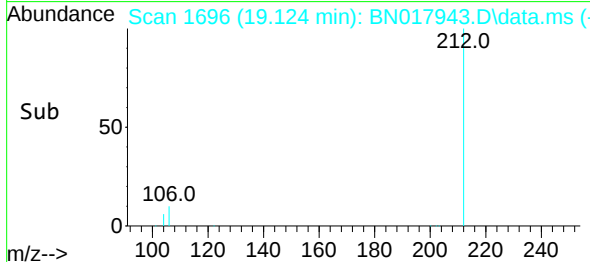
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:212 Resp: 146230
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.4 4.6 6.8

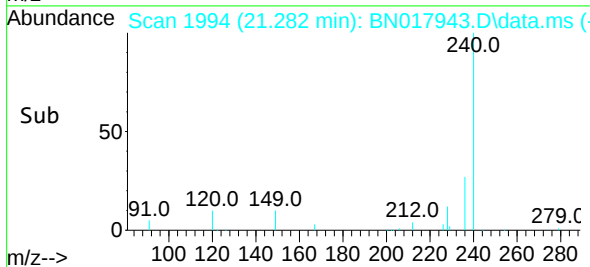
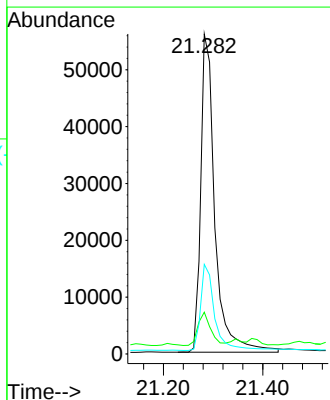
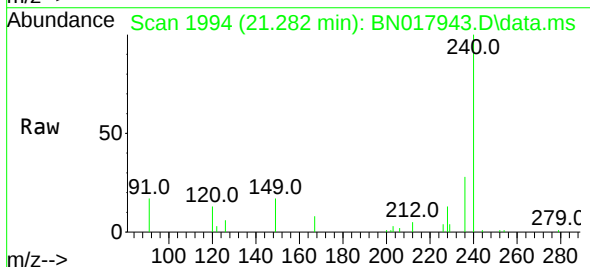
Manual Integrations
APPROVED

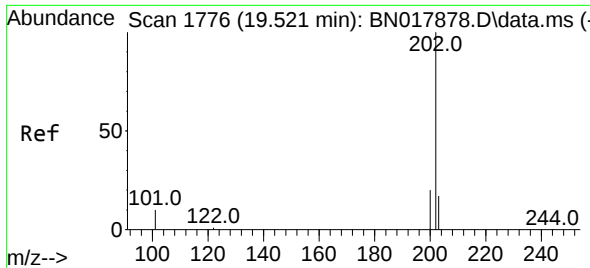
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

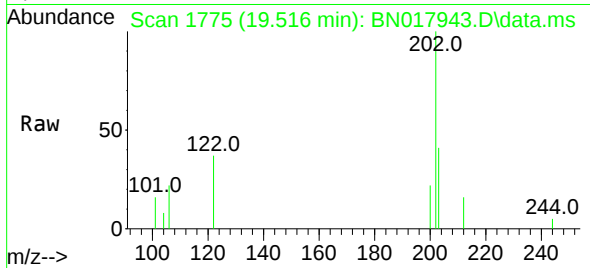
Tgt Ion:240 Resp: 110467
Ion Ratio Lower Upper
240 100
120 13.1 5.8 8.8#
236 28.0 21.0 31.6





#30
Pyrene
Concen: 0.022 ng
RT: 19.516 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

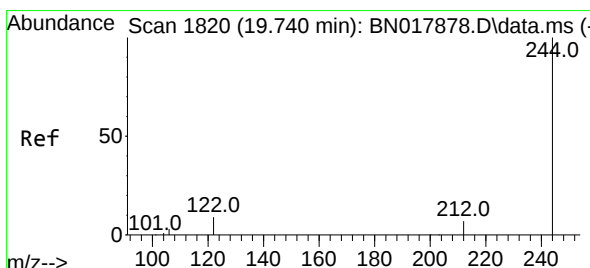
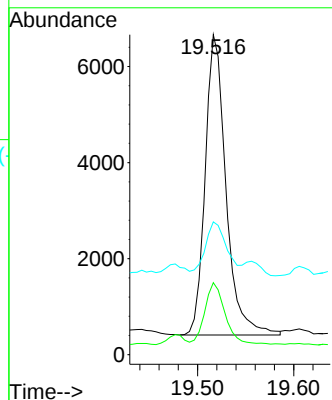
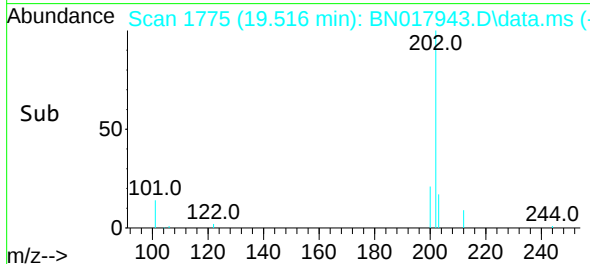
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:202 Resp: 941
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 18.1 14.0 21.0

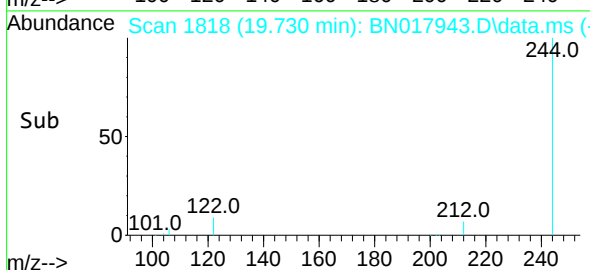
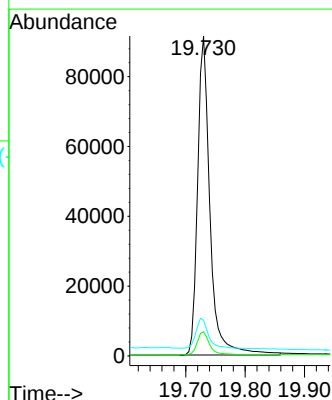
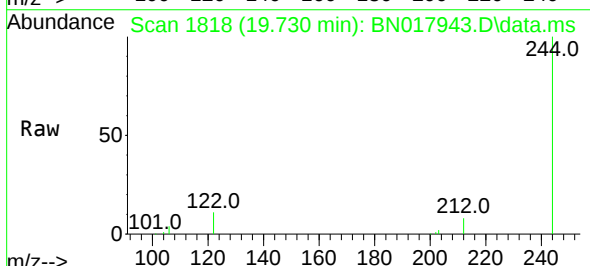
Manual Integrations
APPROVED

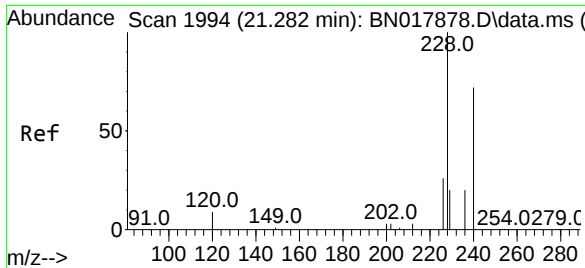
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#31
Terphenyl-d14
Concen: 0.485 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

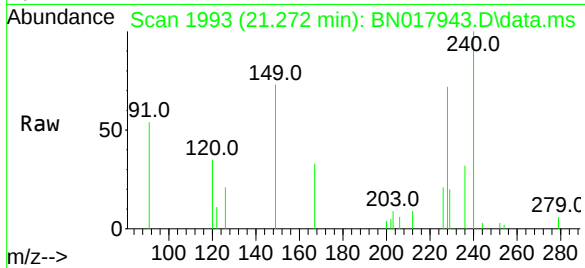
Tgt Ion:244 Resp: 132026
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 11.2 7.5 11.3





#32
Benzo(a)anthracene
Concen: 0.107 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

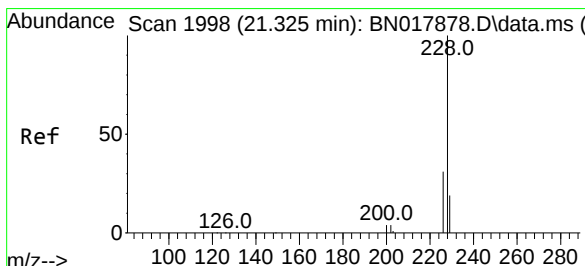
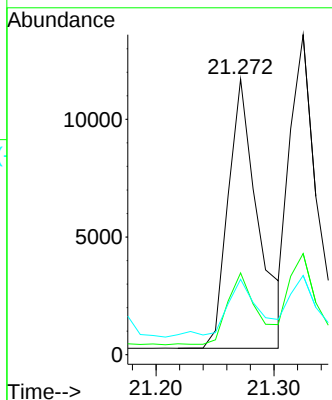
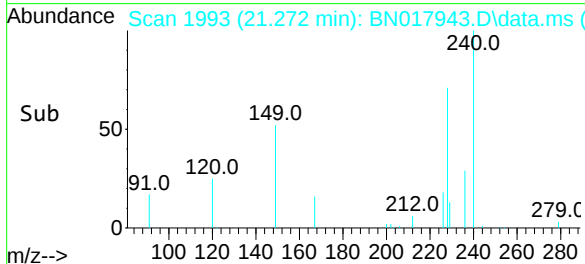
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:228 Resp: 20179
Ion Ratio Lower Upper
228 100
226 29.7 21.0 31.4
229 27.4 15.8 23.8

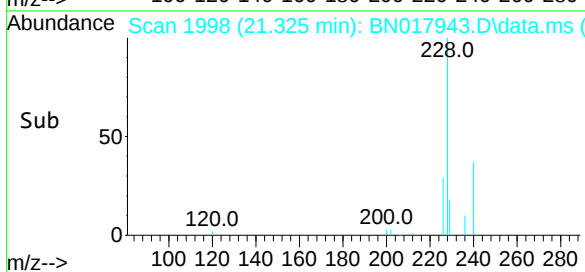
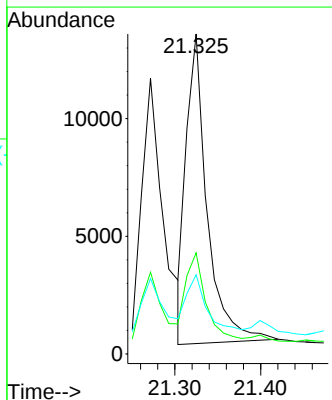
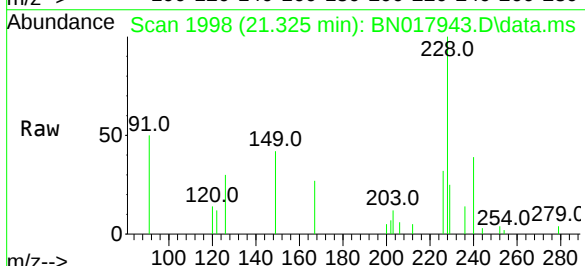
Manual Integrations
APPROVED

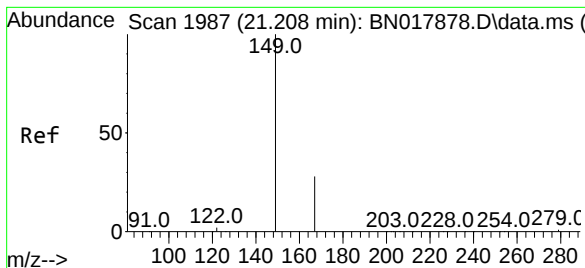
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#33
Chrysene
Concen: 0.061 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

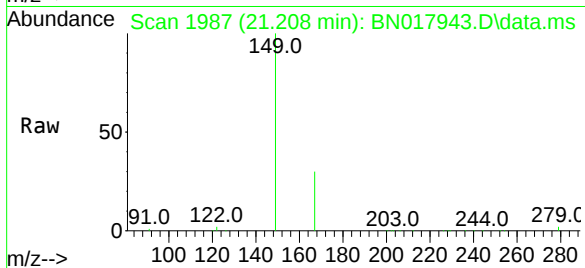
Tgt Ion:228 Resp: 22223
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.8
229 24.8 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 9.554 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

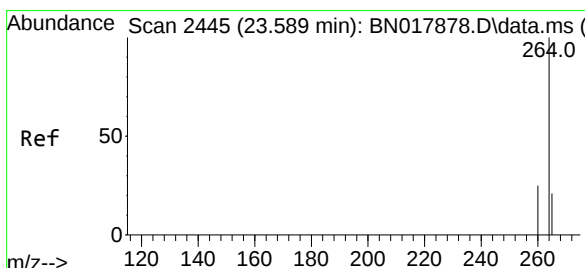
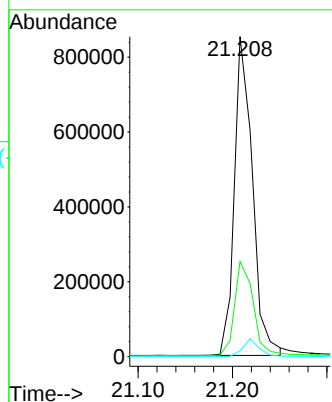
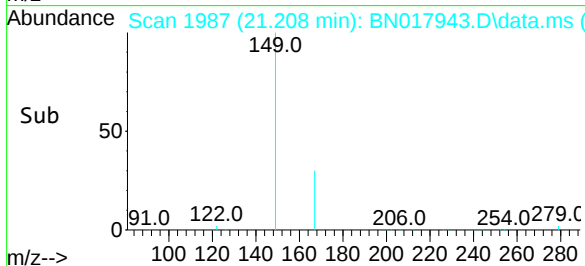
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:149 Resp: 113308
Ion Ratio Lower Upper
149 100
167 30.4 23.4 35.0
279 5.0 3.6 5.4

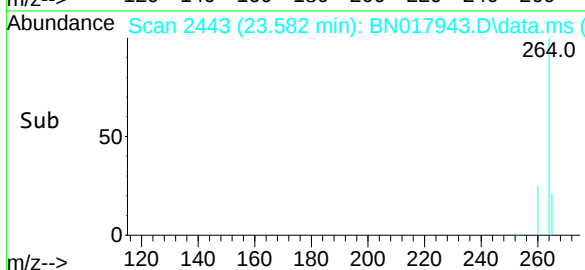
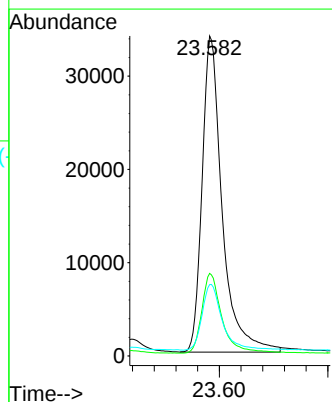
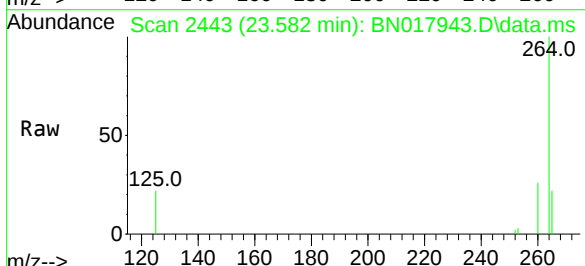
Manual Integrations
APPROVED

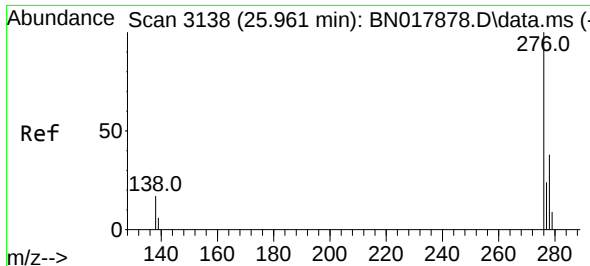
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.582 min Scan# 2443
Delta R.T. -0.007 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

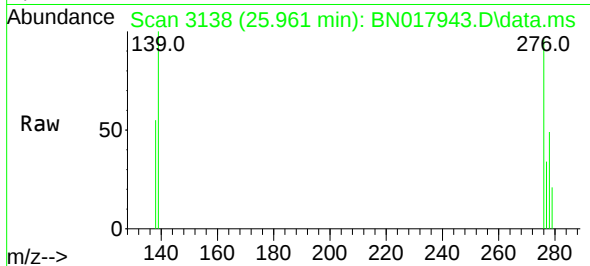
Tgt Ion:264 Resp: 87147
Ion Ratio Lower Upper
264 100
260 25.8 20.2 30.4
265 22.3 18.2 27.4





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.134 ng m
RT: 25.961 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

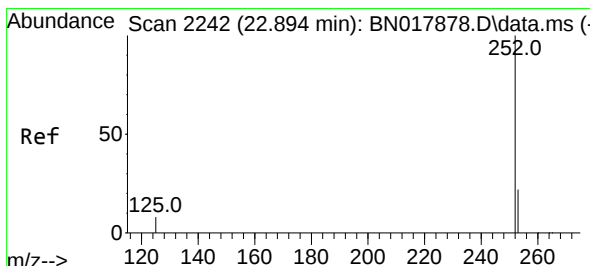
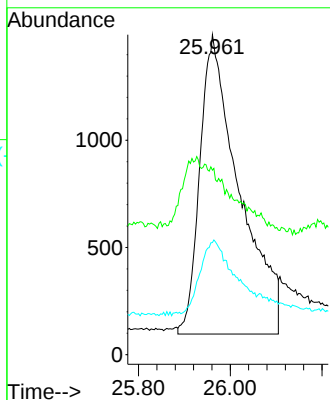
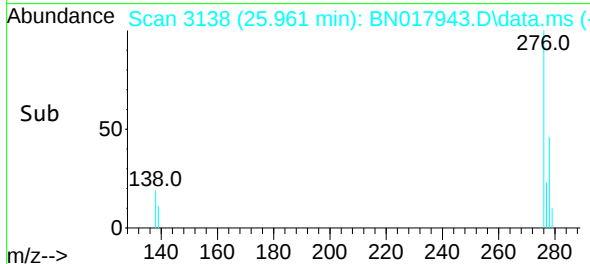
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



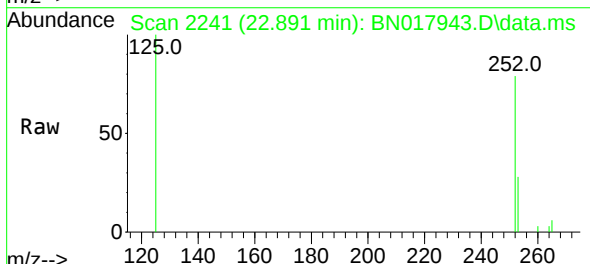
Tgt Ion: 276 Resp: 830
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 21.3 19.8 29.6#

Manual Integrations
APPROVED

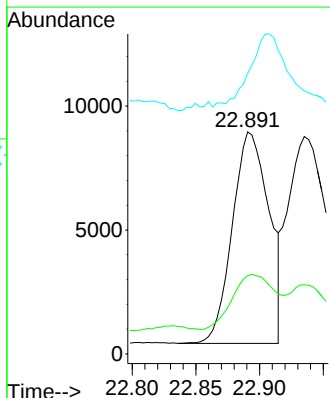
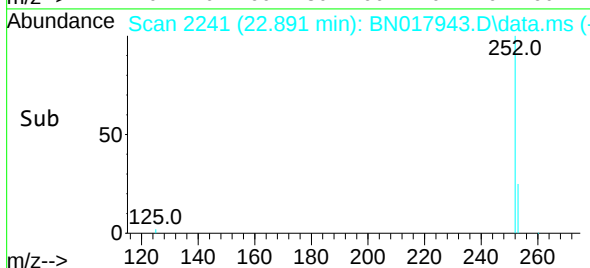
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021

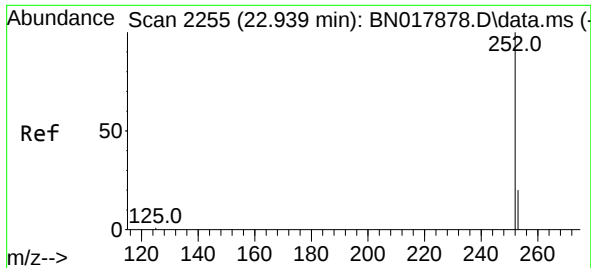


#37
Benzo(b)fluoranthene
Concen: 0.059 ng
RT: 22.891 min Scan# 2241
Delta R.T. -0.003 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41



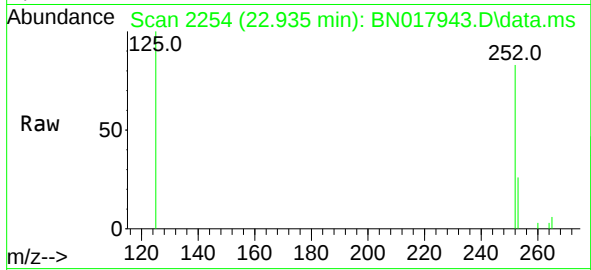
Tgt Ion: 252 Resp: 17107
Ion Ratio Lower Upper
252 100
253 35.2 17.9 26.9#
125 126.3 6.8 10.2#





#38
Benzo(k)fluoranthene
Concen: 0.053 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

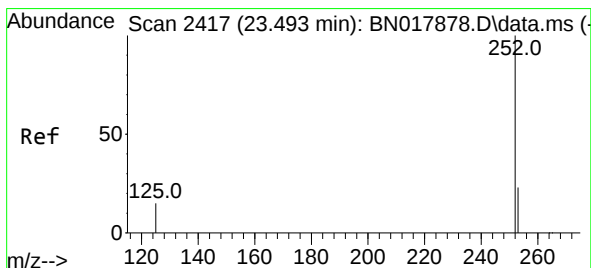
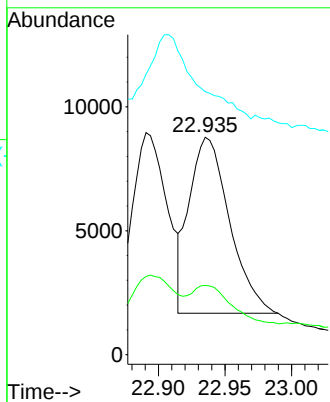
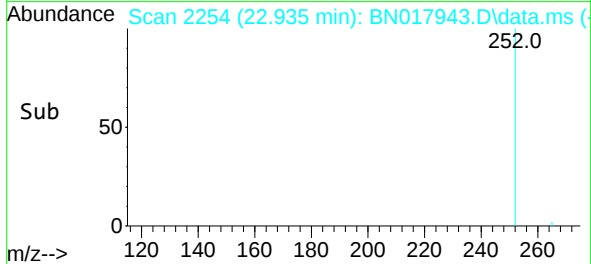
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:252 Resp: 1495
Ion Ratio Lower Upper
252 100
253 31.8 17.8 26.6
125 121.0 6.1 9.1

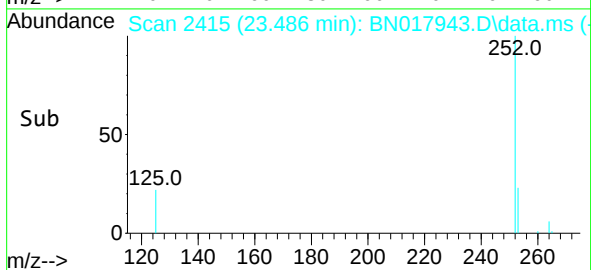
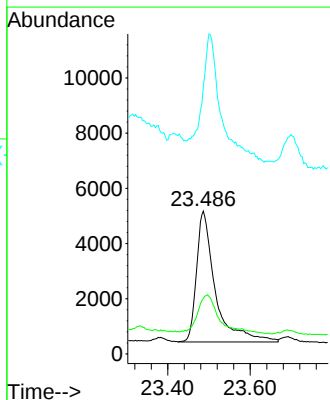
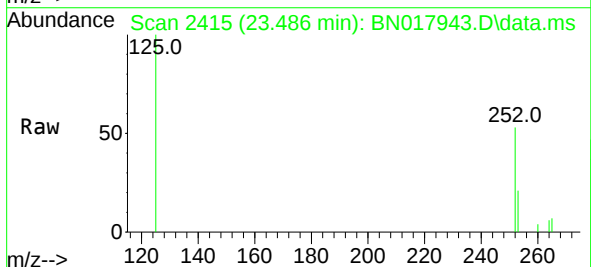
Manual Integrations
APPROVED

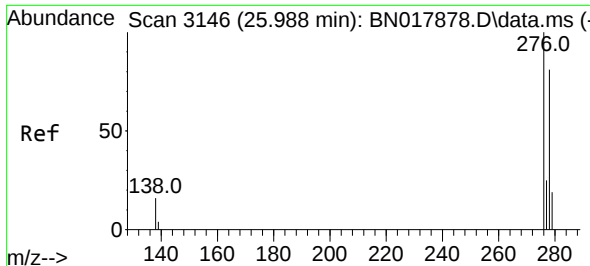
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#39
Benzo(a)pyrene
Concen: 0.059 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

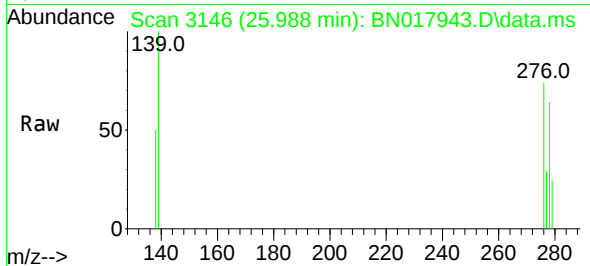
Tgt Ion:252 Resp: 15015
Ion Ratio Lower Upper
252 100
253 38.9 18.8 28.2#
125 187.2 12.2 18.2#





#40
Dibenzo(a,h)anthracene
Concen: 0.146 ng m
RT: 25.988 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

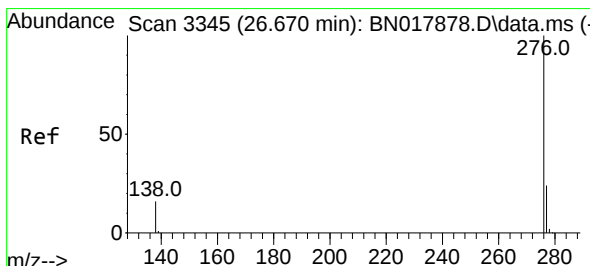
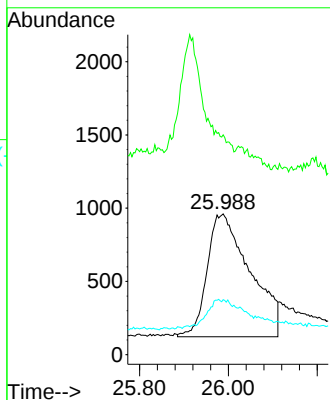
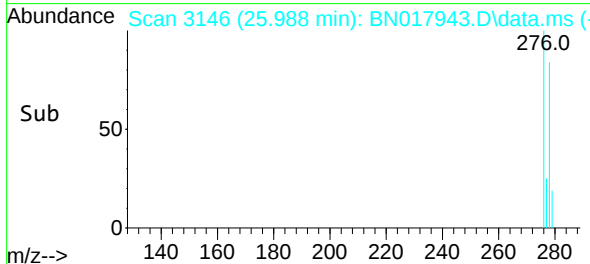
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



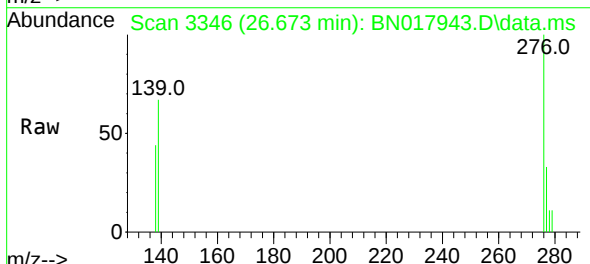
Tgt Ion:278 Resp: 564
Ion Ratio Lower Upper
278 100
139 156.2 12.0 18.0#
279 39.1 20.8 31.2#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#41
Benzo(g,h,i)perylene
Concen: 0.060 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41



Tgt Ion:276 Resp: 8309
Ion Ratio Lower Upper
276 100
277 32.9 19.6 29.4#
138 43.9 13.8 20.8#

