

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017957.D
 Acq On : 13 Dec 2021 02:54
 Operator : CG/JU
 Sample : M4988-12
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207

Manual Integrations
 APPROVED

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

Quant Time: Dec 13 04:32:58 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	7.715	152	29757	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	119253	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	80133	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	154768	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	113646	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	85486	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	6915	0.113	ng	0.00
5) Phenol-d6	6.903	99	3695	0.061	ng	0.00
8) Nitrobenzene-d5	8.846	82	21140m	0.271	ng	-0.01
11) 2-Methylnaphthalene-d10	12.090	152	56102	0.268	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	5462	0.457	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	81945	0.291	ng	0.00
27) Fluoranthene-d10	19.124	212	166795	0.332	ng	0.00
31) Terphenyl-d14	19.730	244	131245	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	31010m	3.434	ng	
9) Naphthalene	10.545	128	7722	0.026	ng	# 95
25) Phenanthrene	17.129	178	9911m	0.025	ng	
30) Pyrene	19.517	202	9513	0.021	ng	96
32) Benzo(a)anthracene	21.272	228	20536	0.106	ng	# 91
33) Chrysene	21.325	228	27235	0.073	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.208	149	954494	7.823	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	8260m	0.135	ng	
37) Benzo(b)fluoranthene	22.887	252	17543	0.062	ng	# 14
38) Benzo(k)fluoranthene	22.935	252	15776	0.057	ng	# 23
39) Benzo(a)pyrene	23.483	252	15611	0.062	ng	# 1
40) Dibenzo(a,h)anthracene	25.985	278	5830m	0.148	ng	
41) Benzo(g,h,i)perylene	26.673	276	8436	0.062	ng	# 72

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

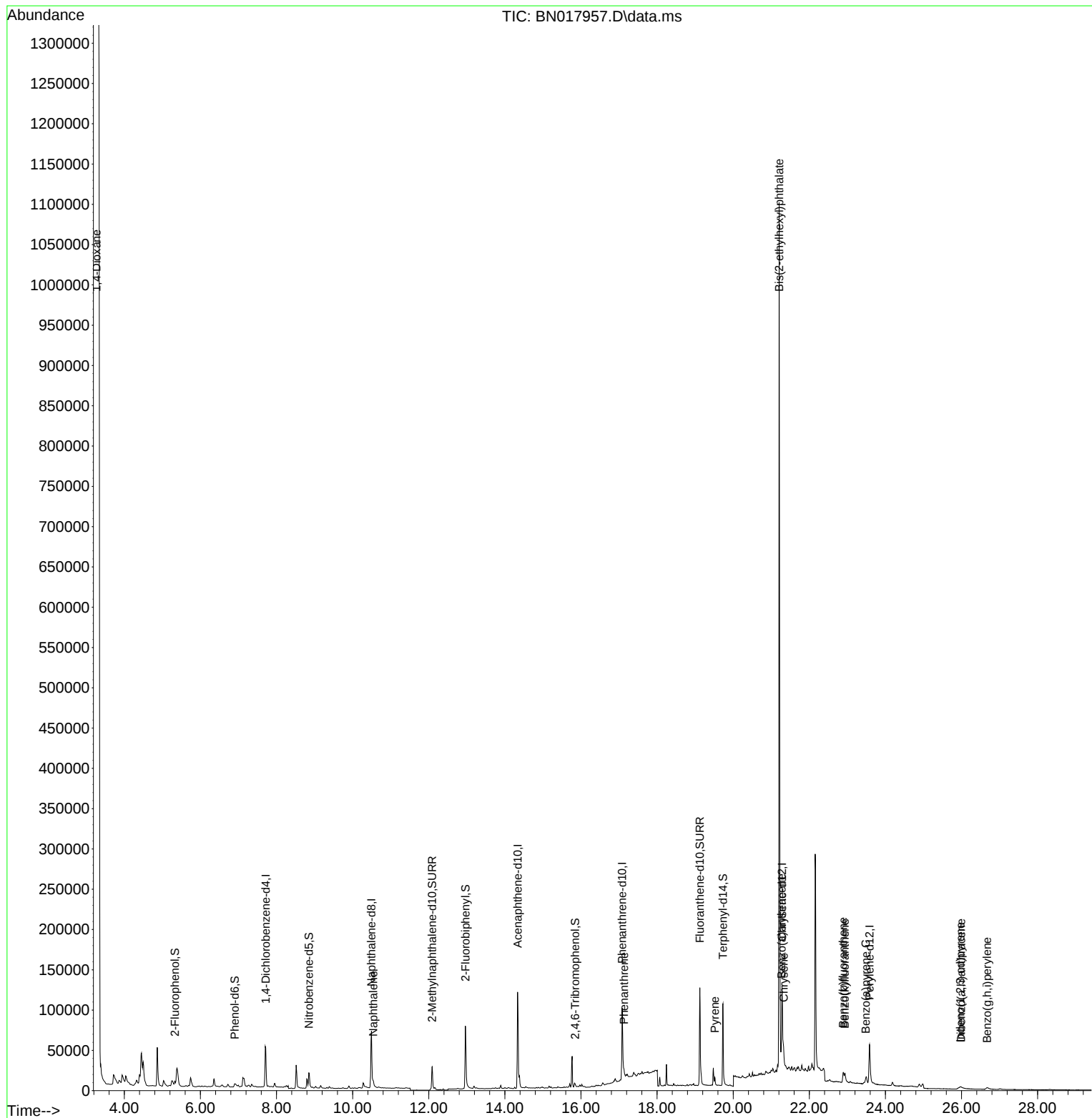
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
Data File : BN017957.D
Acq On : 13 Dec 2021 02:54
Operator : CG/JU
Sample : M4988-12
Misc :
ALS Vial : 83 Sample Multiplier: 1

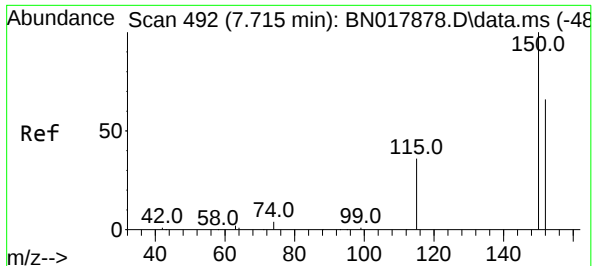
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207

Quant Time: Dec 13 04:32:58 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

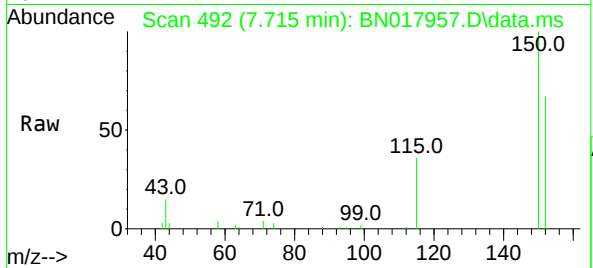
Reviewed By : Christian Giraldo 12/13/2021
Supervised By : Jagrut Upadhyay 12/13/2021





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 492
 Delta R.T. -0.000 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

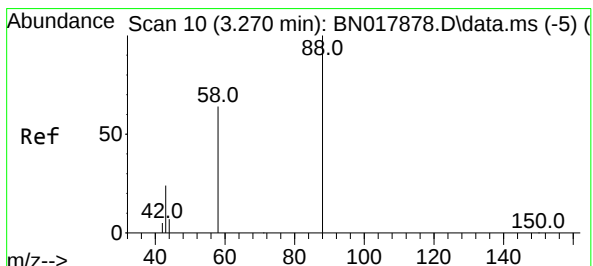
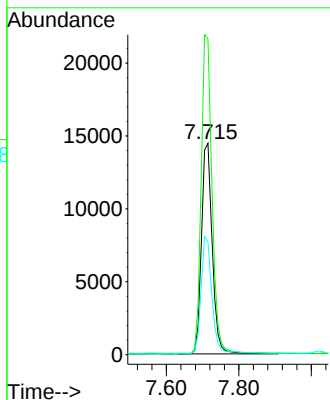
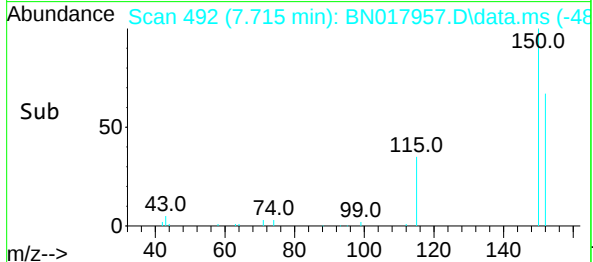
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207



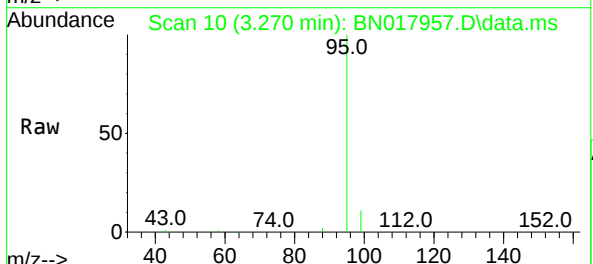
Tgt Ion: 152 Resp: 2975
 Ion Ratio Lower Upper
 152 100
 150 149.4 121.9 182.9
 115 53.3 44.1 66.1

Manual Integrations
 APPROVED

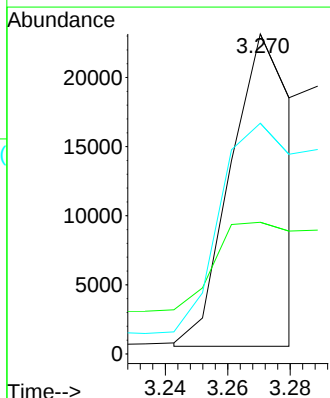
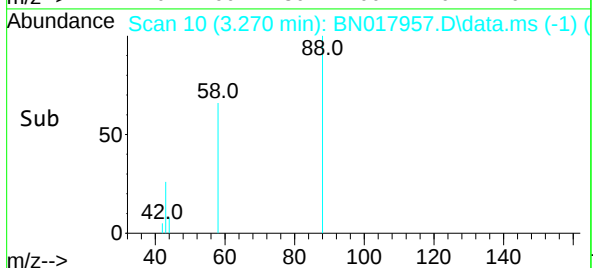
Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021

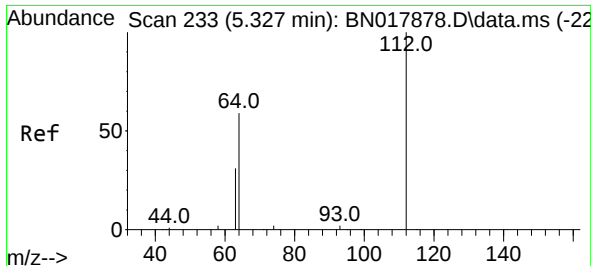


#2
 1,4-Dioxane
 Concen: 3.434 ng m
 RT: 3.270 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54



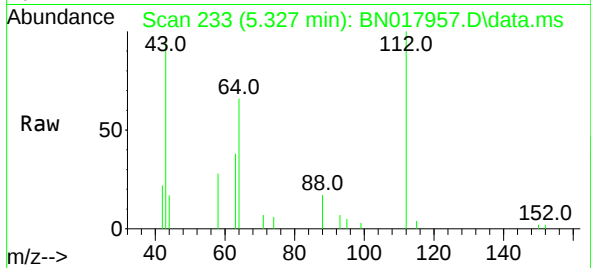
Tgt Ion: 88 Resp: 31010
 Ion Ratio Lower Upper
 88 100
 43 55.5 28.0 42.0#
 58 123.3 65.4 98.0#





#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.327 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

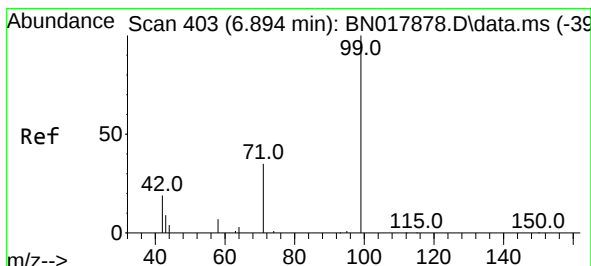
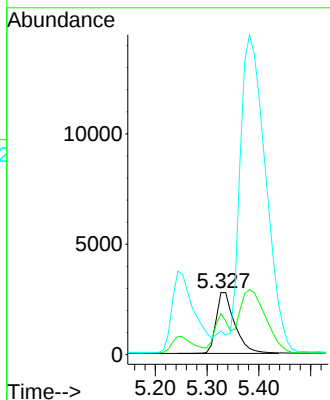
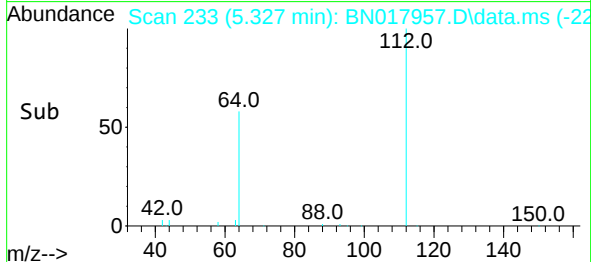
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



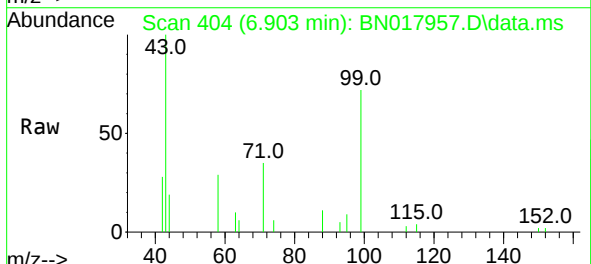
Tgt Ion: 112 Resp: 691#
Ion Ratio Lower Upper
112 100
64 39.0 49.0 73.4#
63 0.0 26.2 39.2#

Manual Integrations
APPROVED

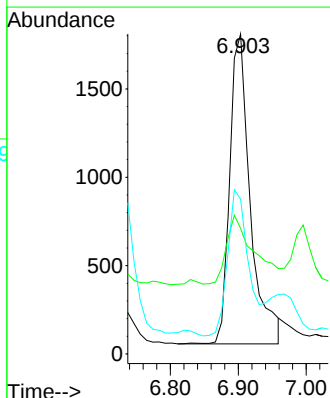
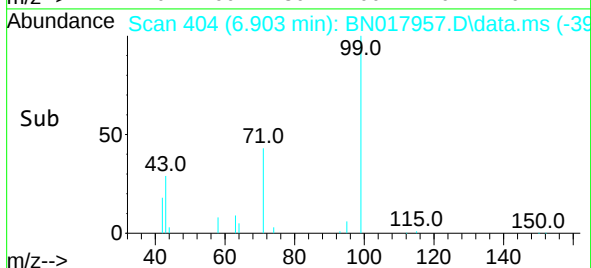
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

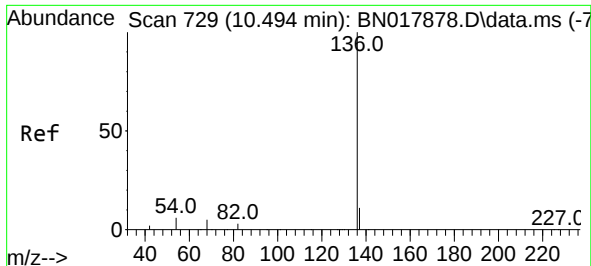


#5
Phenol-d6
Concen: 0.061 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54



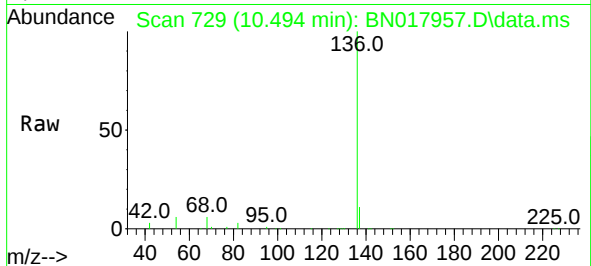
Tgt Ion: 99 Resp: 3695
Ion Ratio Lower Upper
99 100
42 29.5 17.0 25.4#
71 49.8 28.0 42.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

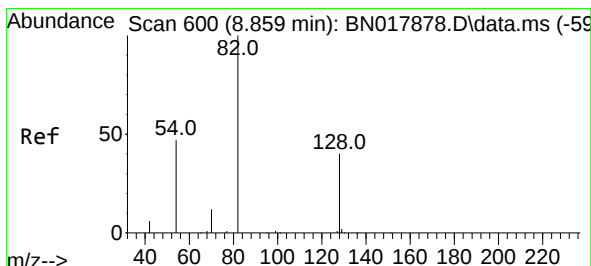
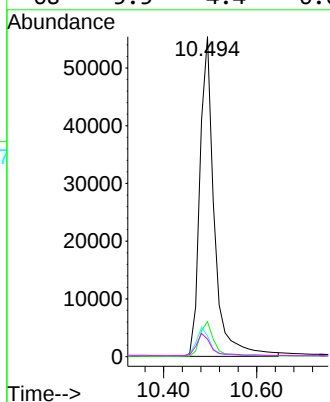
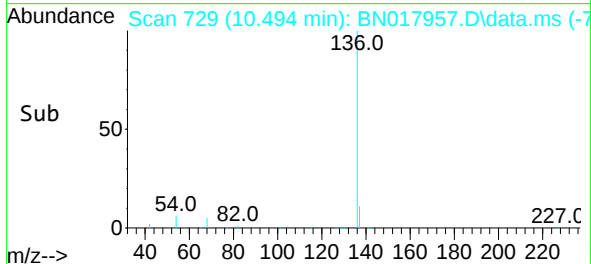
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



Tgt Ion:	136	Resp:	11925
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	6.5	5.1	7.7
68	5.5	4.4	6.6

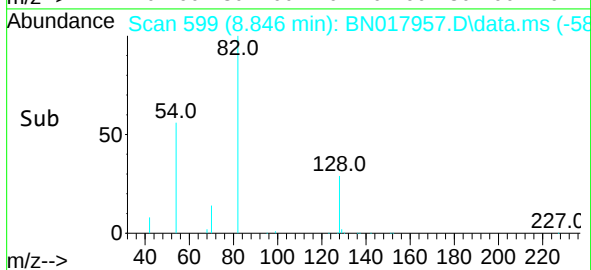
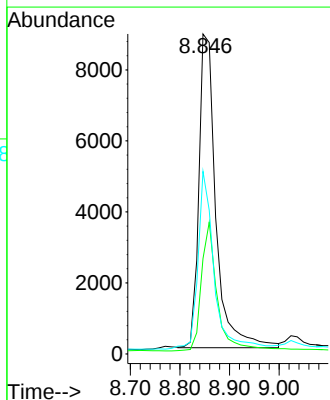
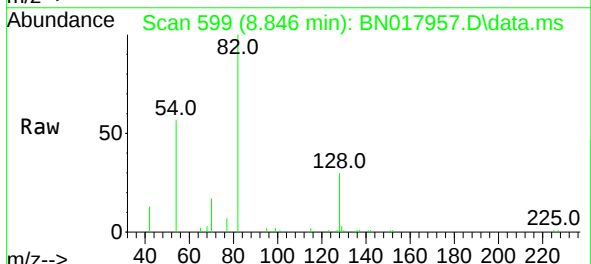
Manual Integrations
APPROVED

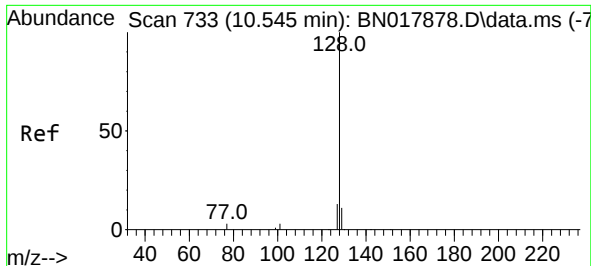
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#8
Nitrobenzene-d5
Concen: 0.271 ng m
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

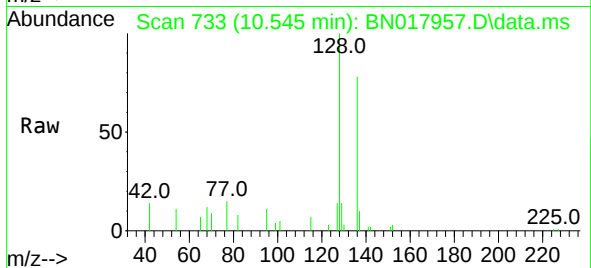
Tgt Ion:	82	Resp:	21140
Ion Ratio	Lower	Upper	
82	100		
128	29.8	32.2	48.4#
54	57.0	37.6	56.4#





#9
Naphthalene
Concen: 0.026 ng
RT: 10.545 min Scan# 733
Delta R.T. -0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

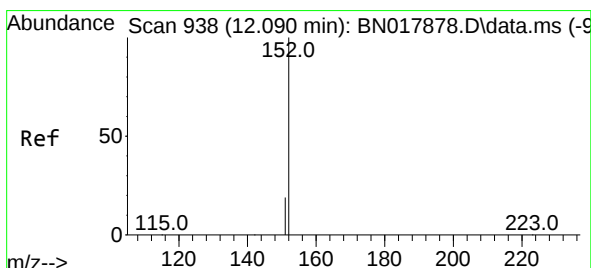
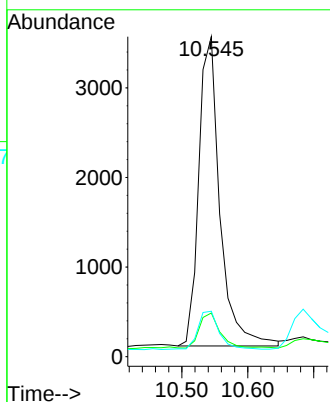
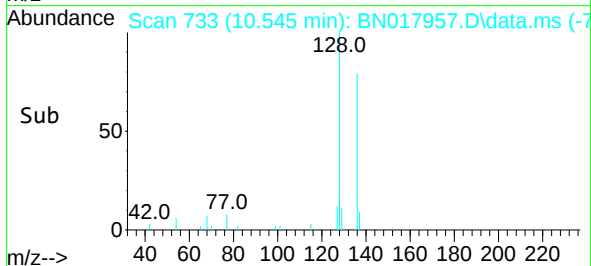
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



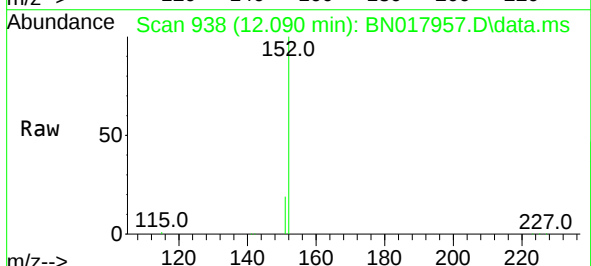
Tgt Ion:128 Resp: 772
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2
127 14.2 10.5 15.7

Manual Integrations
APPROVED

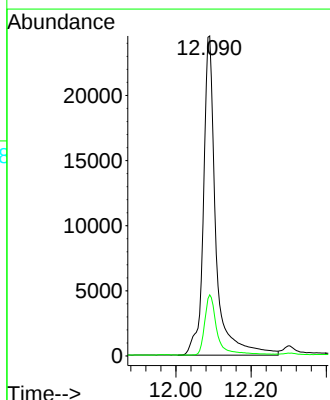
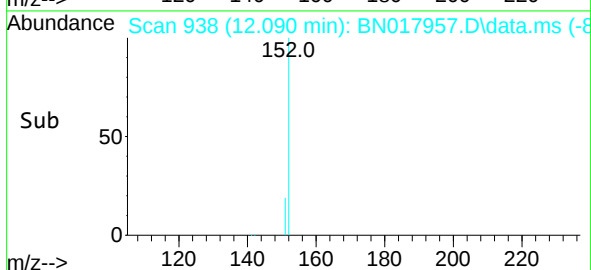
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

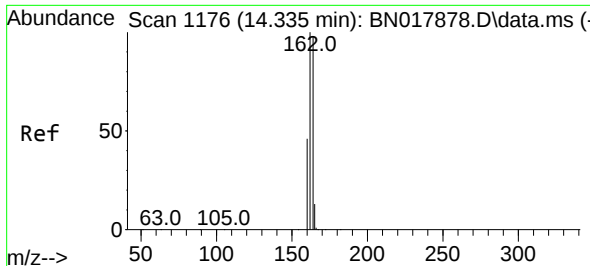


#11
2-Methylnaphthalene-d10
Concen: 0.268 ng
RT: 12.090 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54



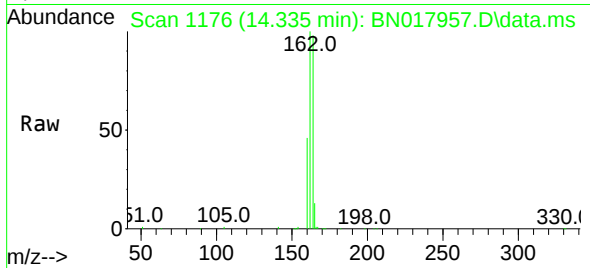
Tgt Ion:152 Resp: 56102
Ion Ratio Lower Upper
152 100
151 19.1 16.4 24.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

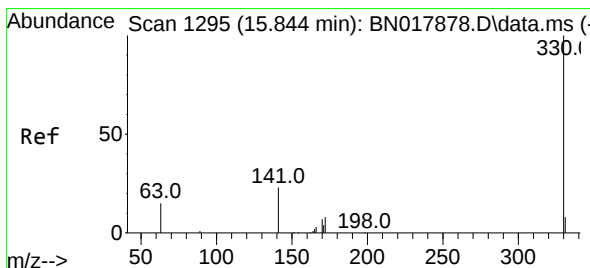
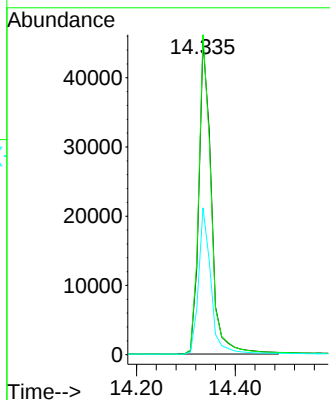
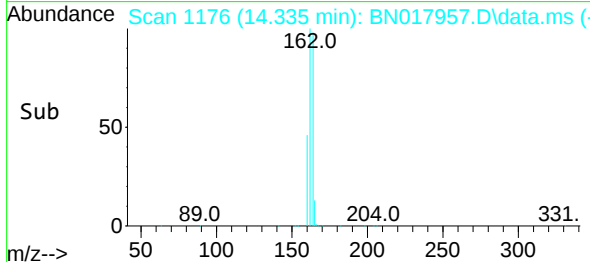
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



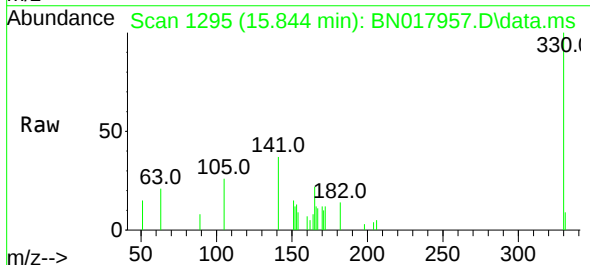
Tgt Ion:164 Resp: 8013
Ion Ratio Lower Upper
164 100
162 101.9 82.1 123.1
160 46.8 38.2 57.2

Manual Integrations
APPROVED

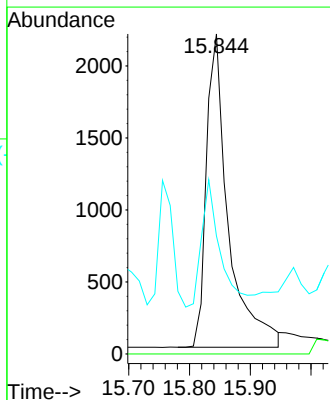
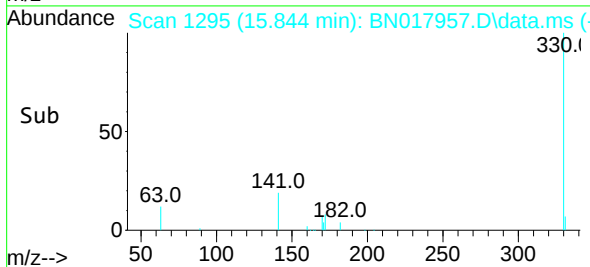
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

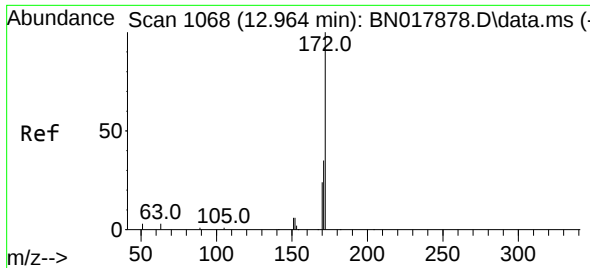


#14
2,4,6-Tribromophenol
Concen: 0.457 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54



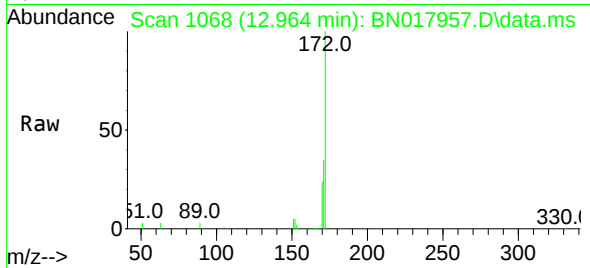
Tgt Ion:330 Resp: 5462
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.4 19.7 29.5#





#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

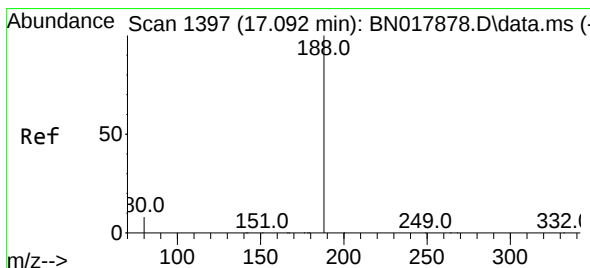
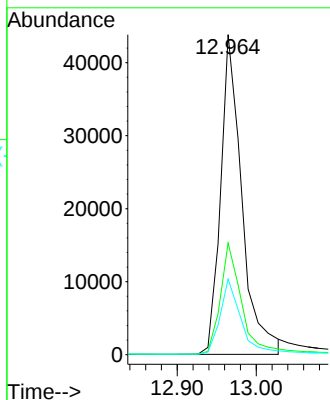
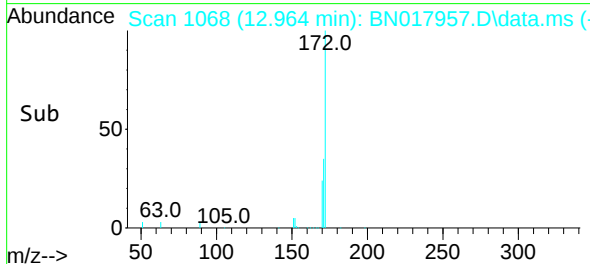
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



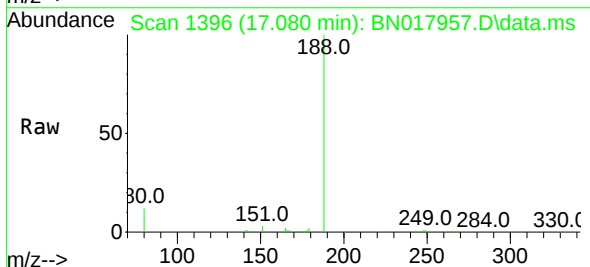
Tgt Ion:172 Resp: 81945
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.7 19.1 28.7

Manual Integrations
APPROVED

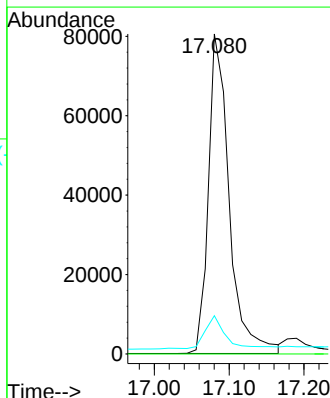
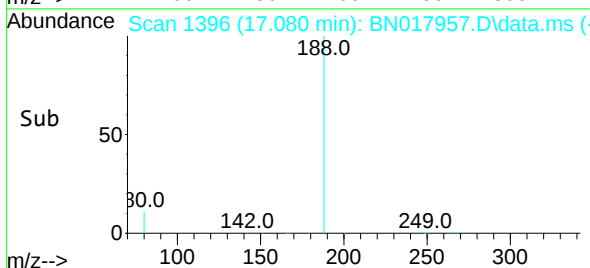
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

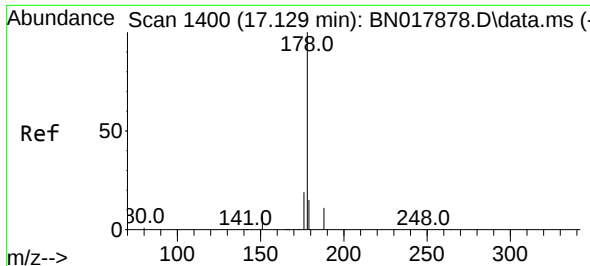


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54



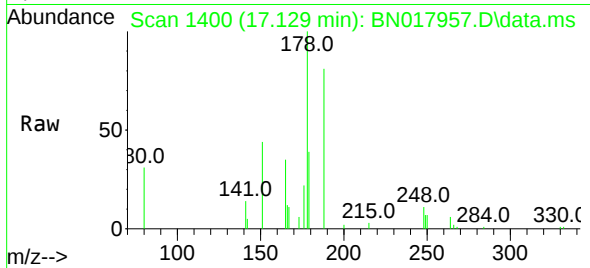
Tgt Ion:188 Resp: 154768
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.0 6.2 9.2#





#25
Phenanthrene
Concen: 0.025 ng m
RT: 17.129 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

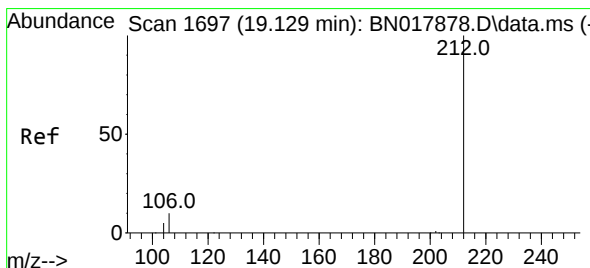
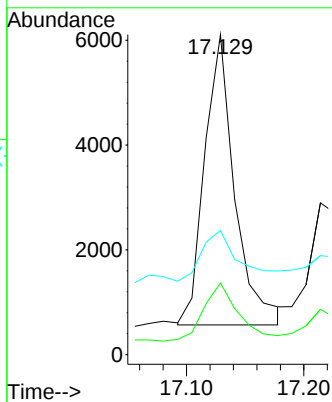
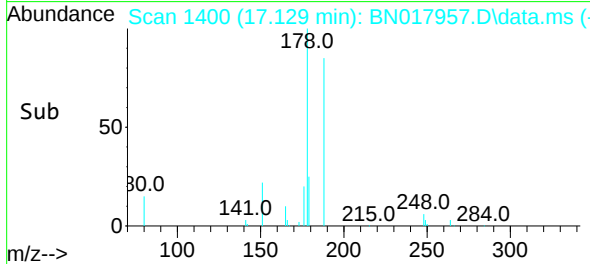
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



Tgt Ion:178 Resp: 991
Ion Ratio Lower Upper
178 100
176 11.5 15.0 22.6
179 7.4 12.4 18.6

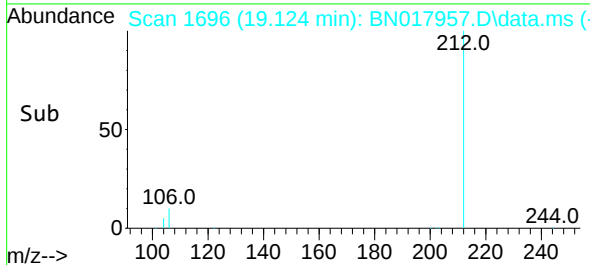
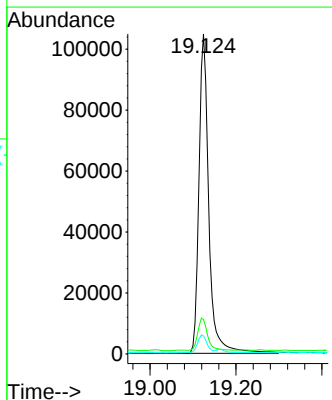
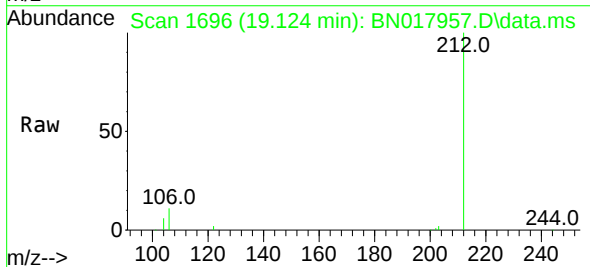
Manual Integrations
APPROVED

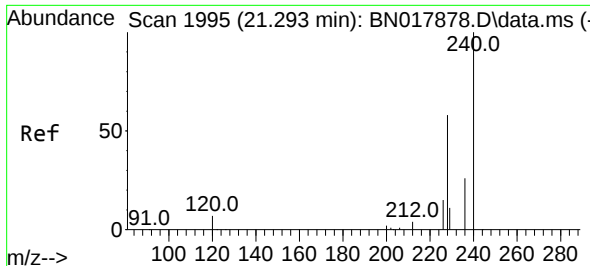
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#27
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.124 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

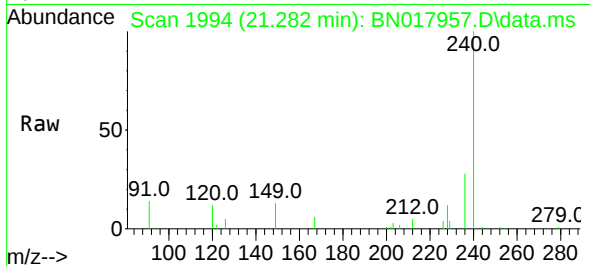
Tgt Ion:212 Resp: 166795
Ion Ratio Lower Upper
212 100
106 10.0 8.3 12.5
104 5.4 4.6 6.8





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

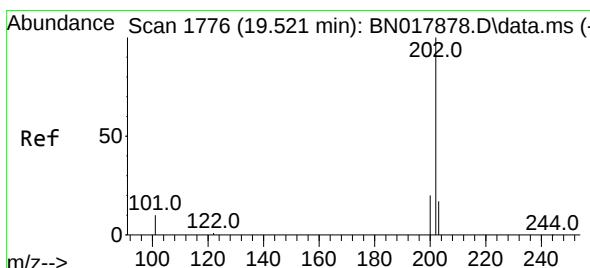
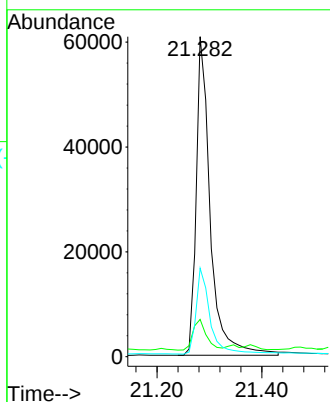
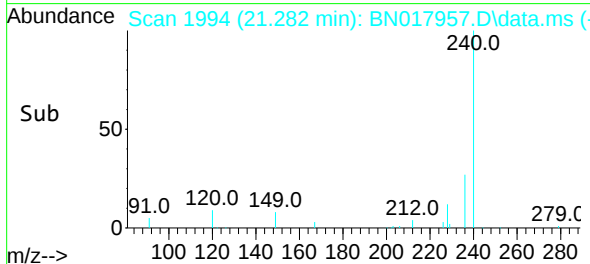
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



Tgt Ion:240 Resp: 113640
Ion Ratio Lower Upper
240 100
120 11.6 5.8 8.8
236 27.7 21.0 31.6

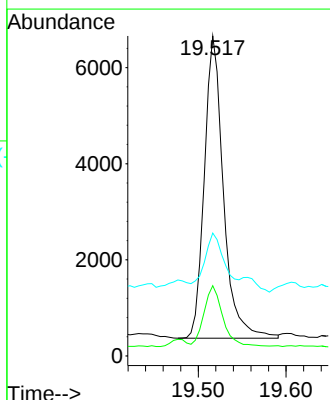
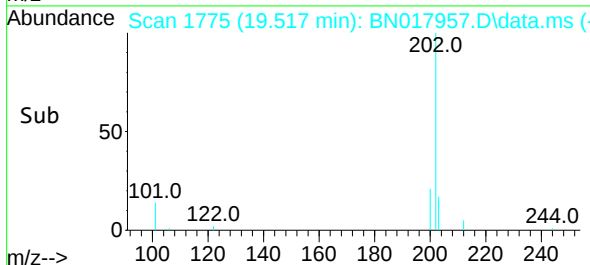
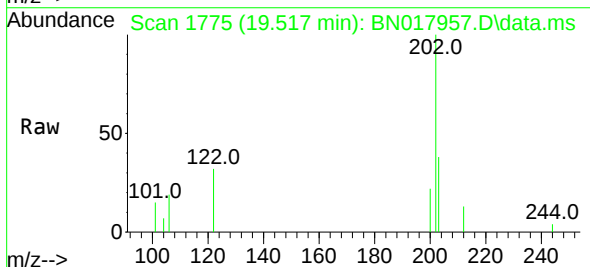
Manual Integrations
APPROVED

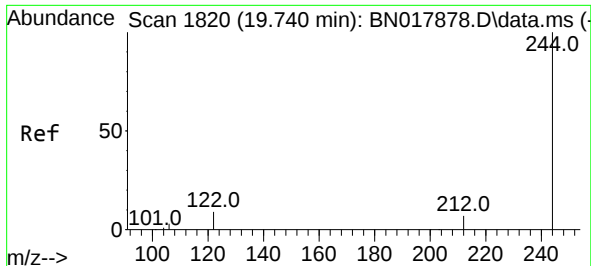
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#30
Pyrene
Concen: 0.021 ng
RT: 19.517 min Scan# 1775
Delta R.T. -0.005 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

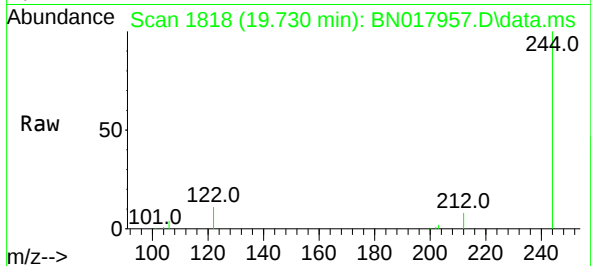
Tgt Ion:202 Resp: 9513
Ion Ratio Lower Upper
202 100
200 19.6 16.5 24.7
203 14.8 14.0 21.0





#31
Terphenyl-d14
Concen: 0.468 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

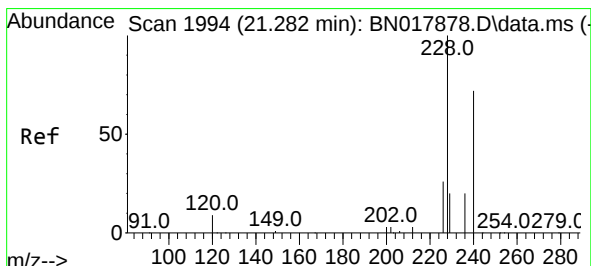
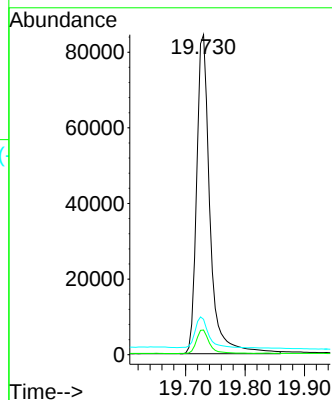
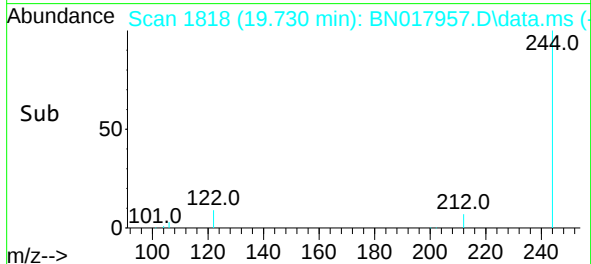
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



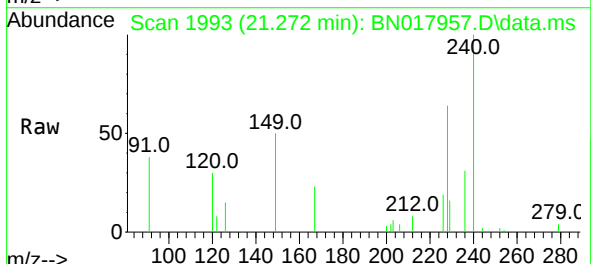
Tgt Ion:244 Resp: 131245
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 11.1 7.5 11.3

Manual Integrations
APPROVED

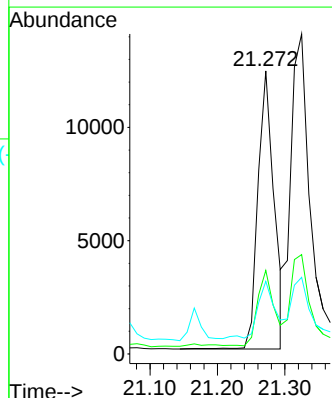
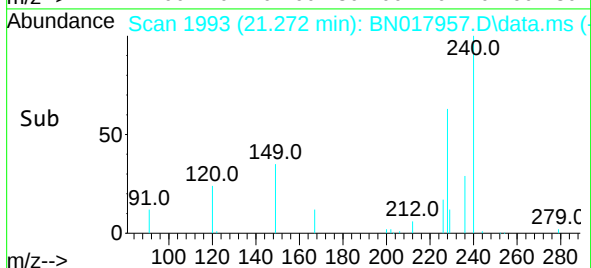
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021

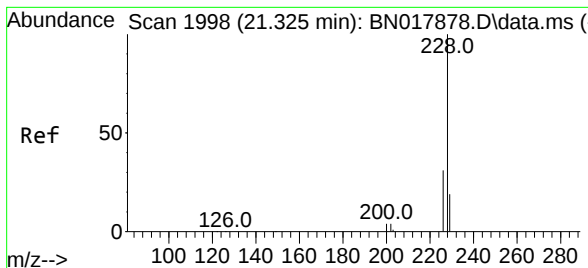


#32
Benzo(a)anthracene
Concen: 0.106 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54



Tgt Ion:228 Resp: 20536
Ion Ratio Lower Upper
228 100
226 29.5 21.0 31.4
229 25.7 15.8 23.8#





#33

Chrysene

Concen: 0.073 ng

RT: 21.325 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BN017957.D

Acq: 13 Dec 2021 02:54

Instrument :

BNA_N

ClientSampleId :

RE122D2-20211207

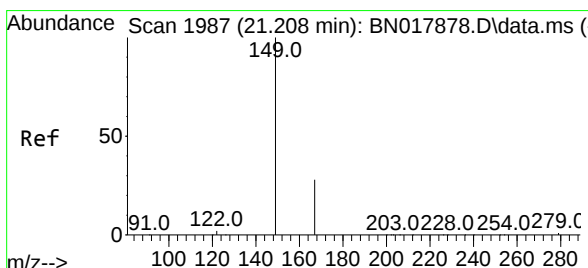
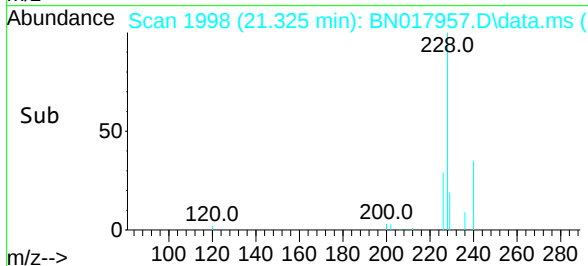
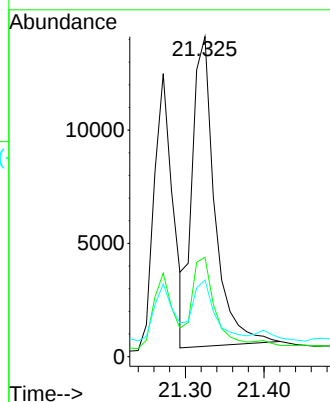
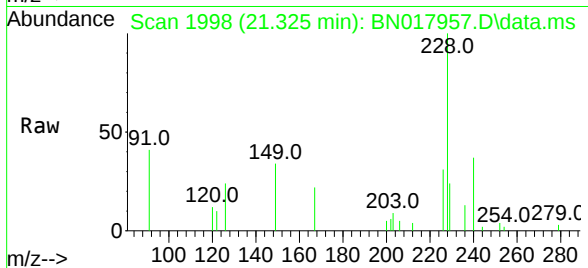
Tgt Ion:228 Resp: 2723

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.8
229	24.0	15.6	23.4

Manual Integrations

APPROVED

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



#34

Bis(2-ethylhexyl)phthalate

Concen: 7.823 ng

RT: 21.208 min Scan# 1987

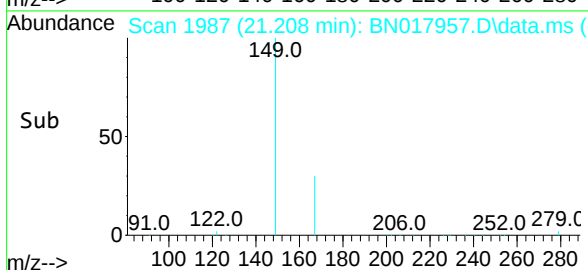
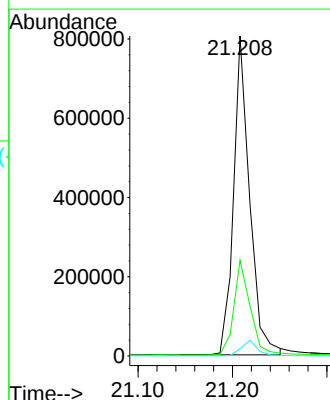
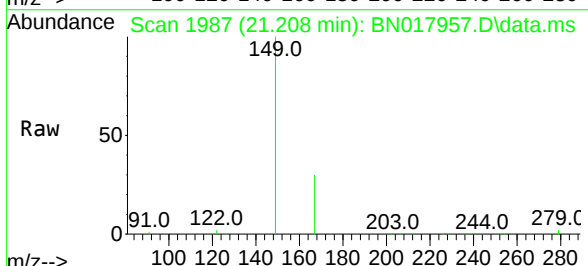
Delta R.T. 0.000 min

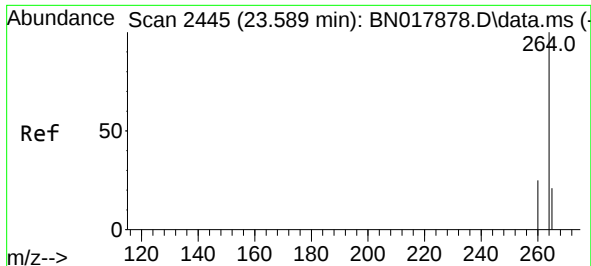
Lab File: BN017957.D

Acq: 13 Dec 2021 02:54

Tgt Ion:149 Resp: 954494

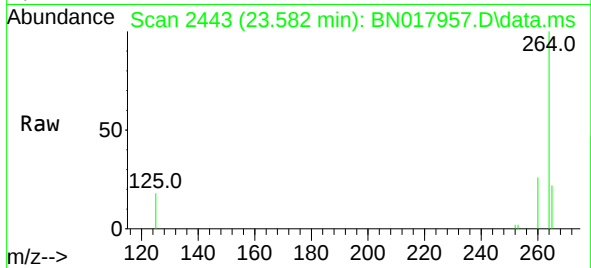
Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.4	35.0
279	4.9	3.6	5.4





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.582 min Scan# 2445
 Delta R.T. -0.007 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

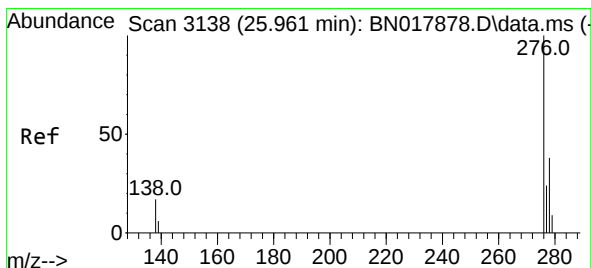
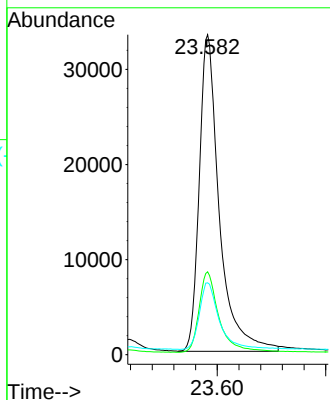
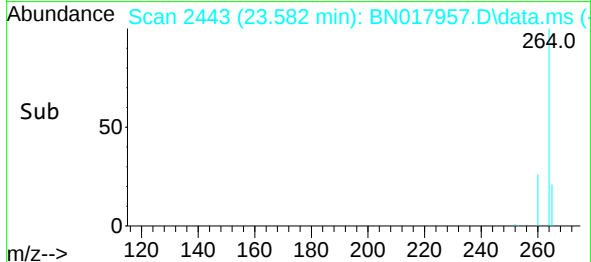
Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207



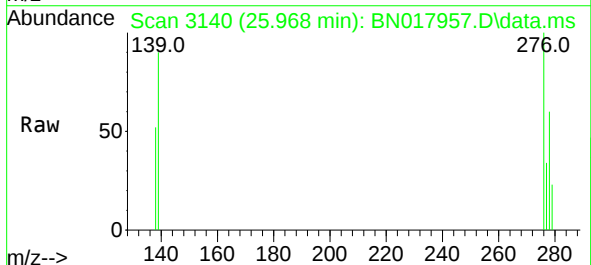
Tgt Ion:264 Resp: 85480
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.2 30.4
 265 22.5 18.2 27.4

Manual Integrations
 APPROVED

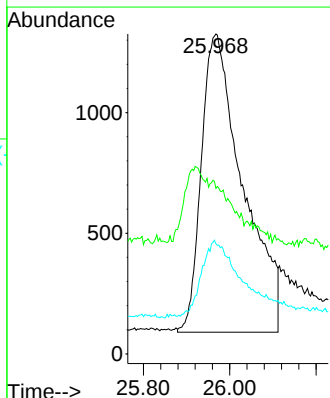
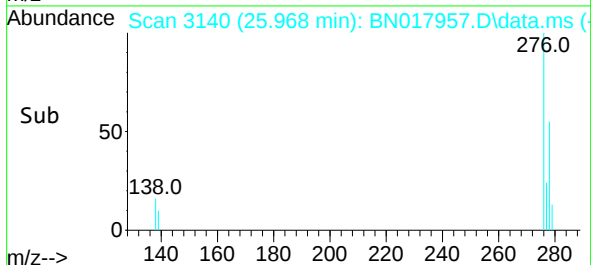
Reviewed By :Christian Giraldo 12/13/2021
 Supervised By :Jagrut Upadhyay 12/13/2021

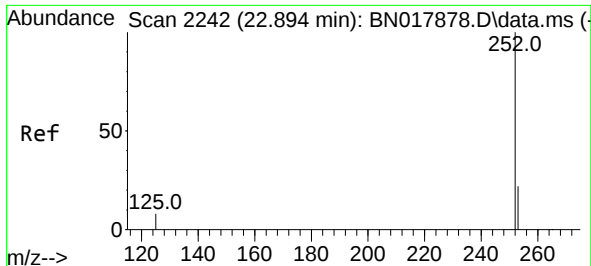


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.135 ng m
 RT: 25.968 min Scan# 3140
 Delta R.T. 0.007 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54



Tgt Ion:276 Resp: 8260
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 21.5 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.062 ng

RT: 22.887 min Scan# 21

Delta R.T. -0.007 min

Lab File: BN017957.D

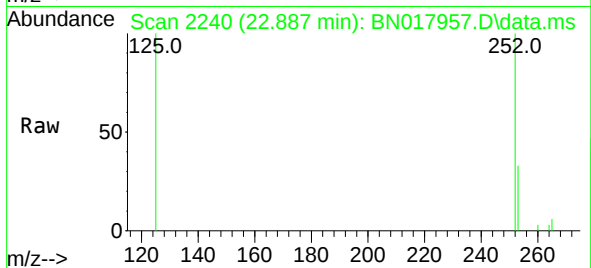
Acq: 13 Dec 2021 02:54

Instrument :

BN017957.D

ClientSampleId :

RE122D2-20211207



Tgt Ion:252 Resp: 1754

Ion Ratio Lower Upper

252 100

253 32.5 17.9 26.9

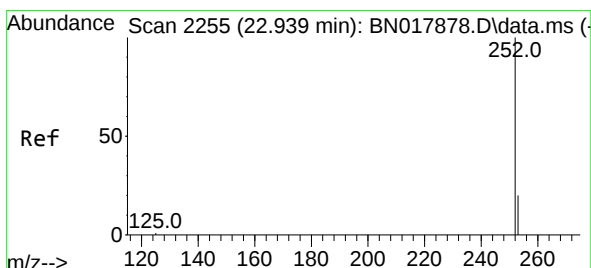
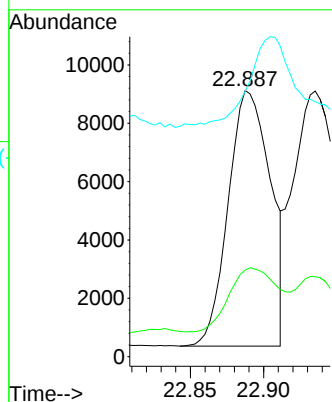
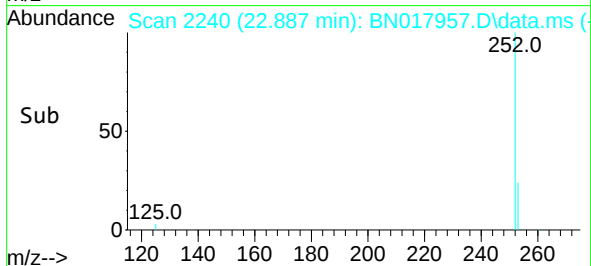
125 99.7 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/13/2021

Supervised By :Jagrut Upadhyay 12/13/2021



#38

Benzo(k)fluoranthene

Concen: 0.057 ng

RT: 22.935 min Scan# 2254

Delta R.T. -0.003 min

Lab File: BN017957.D

Acq: 13 Dec 2021 02:54

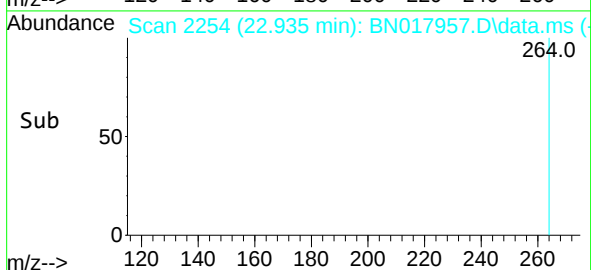
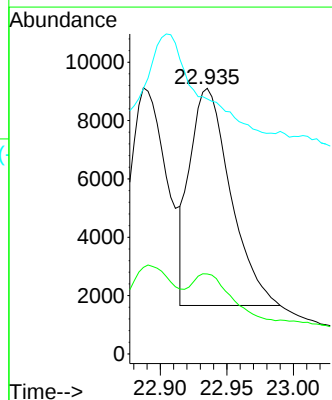
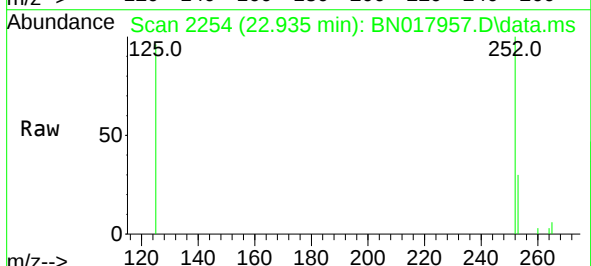
Tgt Ion:252 Resp: 15776

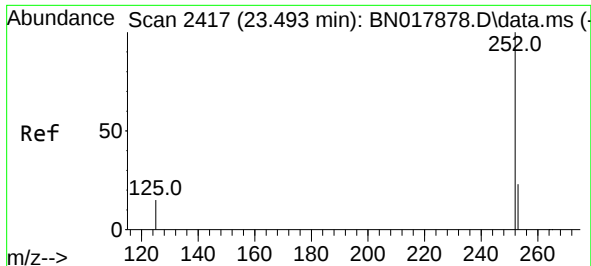
Ion Ratio Lower Upper

252 100

253 30.2 17.8 26.6

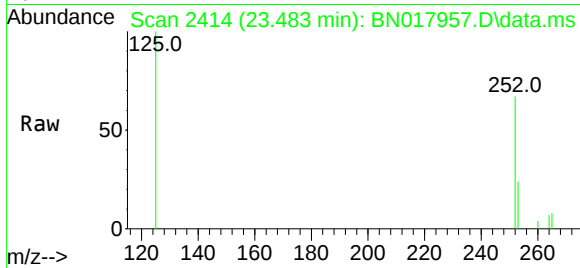
125 96.1 6.1 9.1





#39
Benzo(a)pyrene
Concen: 0.062 ng
RT: 23.483 min Scan# 2417
Delta R.T. -0.010 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

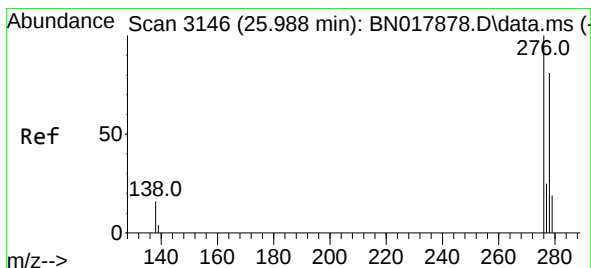
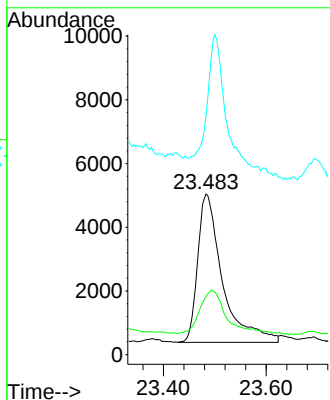
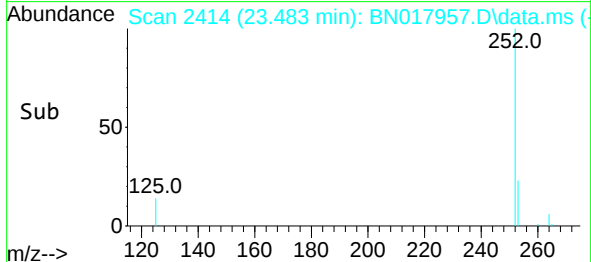
Instrument :
BNA_N
ClientSampleId :
RE122D2-20211207



Tgt Ion:252 Resp: 1561
Ion Ratio Lower Upper
252 100
253 36.3 18.8 28.2
125 149.0 12.2 18.2

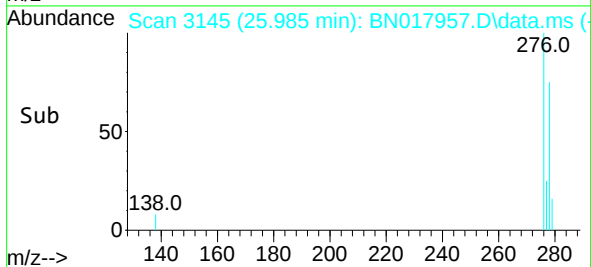
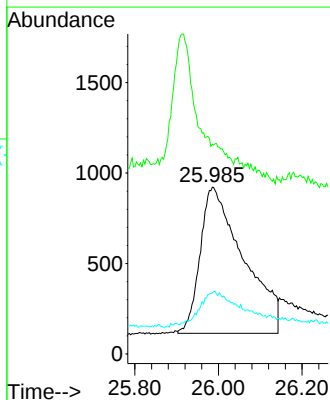
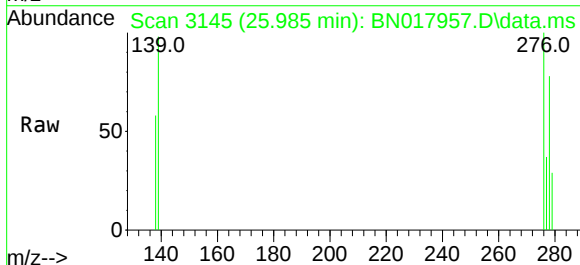
Manual Integrations
APPROVED

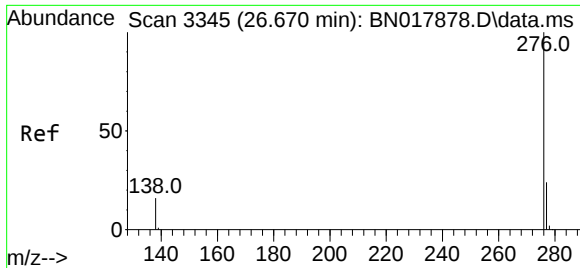
Reviewed By :Christian Giraldo 12/13/2021
Supervised By :Jagrut Upadhyay 12/13/2021



#40
Dibenzo(a,h)anthracene
Concen: 0.148 ng m
RT: 25.985 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BN017957.D
Acq: 13 Dec 2021 02:54

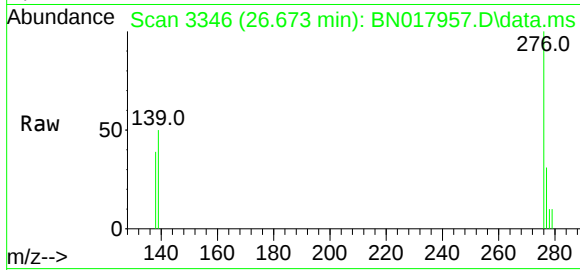
Tgt Ion:278 Resp: 5830
Ion Ratio Lower Upper
278 100
139 125.8 12.0 18.0#
279 36.4 20.8 31.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.062 ng
 RT: 26.673 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BN017957.D
 Acq: 13 Dec 2021 02:54

Instrument :
 BNA_N
 ClientSampleId :
 RE122D2-20211207



Tgt Ion: 276 Resp: 8430

Ion	Ratio	Lower	Upper
276	100		
277	31.0	19.6	29.4
138	38.5	13.8	20.8

Manual Integrations
 APPROVED

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

