

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028387.D
 Acq On : 24 Oct 2023 23:01
 Operator : MA/JU
 Sample : 04938-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023

Quant Time: Oct 25 01:07:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	4642	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	14506	0.400	ng	#-0.02
13) Acenaphthene-d10	14.523	164	7054	0.400	ng	-0.01
19) Phenanthrene-d10	17.281	188	13463	0.400	ng	#-0.01
29) Chrysene-d12	21.480	240	14612	0.400	ng	0.00
35) Perylene-d12	23.923	264	16204	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.416	112	2683	0.186	ng	-0.01
5) Phenol-d6	7.048	99	3525	0.199	ng	0.00
8) Nitrobenzene-d5	9.080	82	2715	0.211	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	4369	0.200	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	607	0.176	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	5643	0.227	ng	-0.02
27) Fluoranthene-d10	19.314	212	6708	0.186	ng	-0.01
31) Terphenyl-d14	19.904	244	5217	0.168	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.735	128	74888	1.990	ng	97
12) 2-Methylnaphthalene	12.343	142	36905	1.380	ng	99
16) Acenaphthylene	14.245	152	144669	4.564	ng	99
17) Acenaphthene	14.587	154	8285	0.415	ng	# 90
18) Fluorene	15.569	166	49525	1.884	ng	94
25) Phenanthrene	17.319	178	463369	12.574	ng	100
26) Anthracene	17.418	178	139509	3.964	ng	# 94
28) Fluoranthene	19.346	202	562164	12.142	ng	99
30) Pyrene	19.713	202	695033	13.901	ng	99
32) Benzo(a)anthracene	21.462	228	384690	7.411	ng	100
33) Chrysene	21.515	228	332308	6.689	ng	99
34) Bis(2-ethylhexyl)phtha...	21.336	149	43442	1.096	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.487	276	241791	3.701	ng	97
37) Benzo(b)fluoranthene	23.171	252	439323	8.674	ng	# 89
38) Benzo(k)fluoranthene	23.212	252	150248m	2.916	ng	
39) Benzo(a)pyrene	23.814	252	367698m	7.298	ng	
40) Dibenzo(a,h)anthracene	26.487	278	67910	1.280	ng	99
41) Benzo(g,h,i)perylene	27.288	276	254837	4.654	ng	95

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

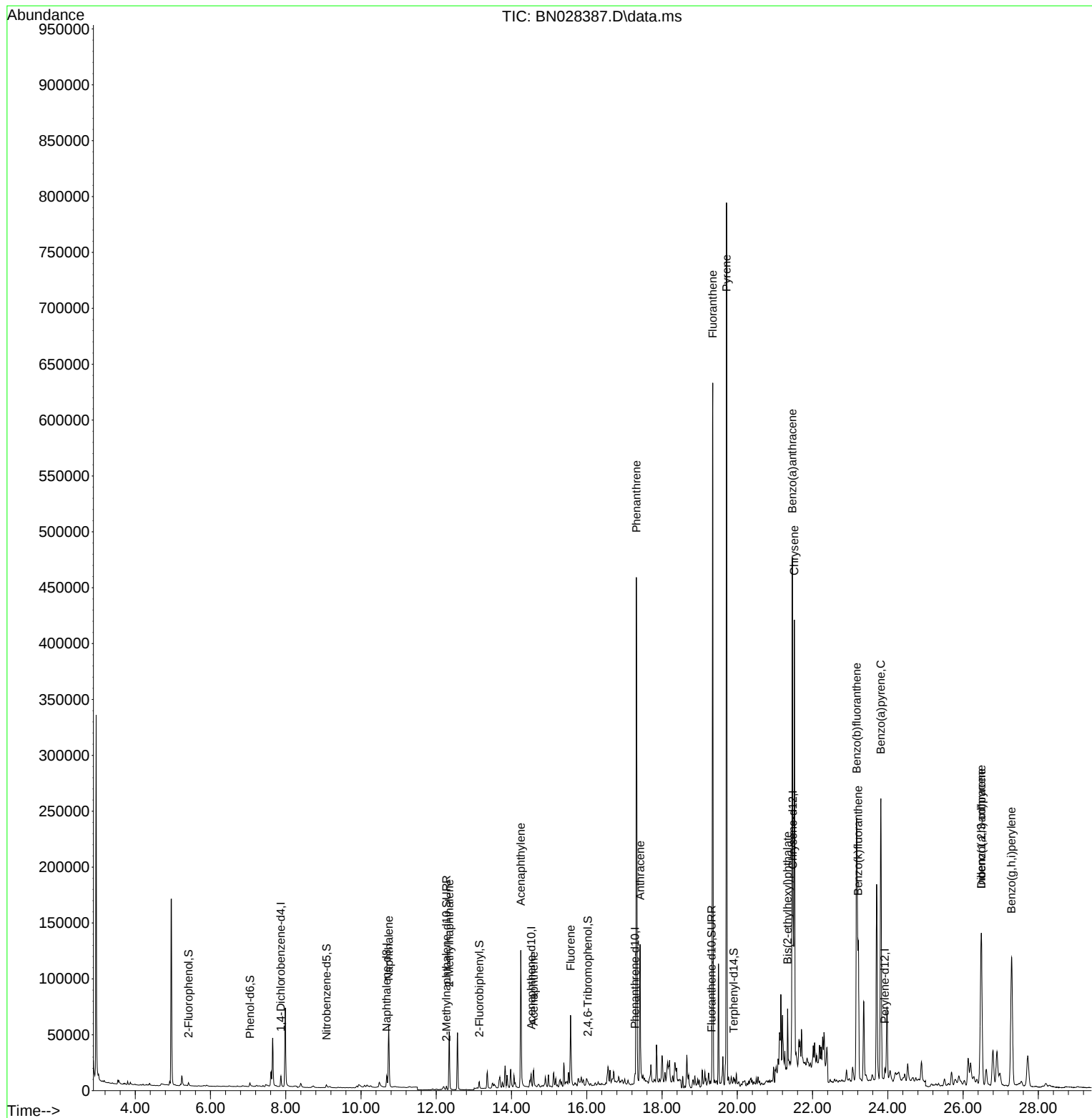
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
Data File : BN028387.D
Acq On : 24 Oct 2023 23:01
Operator : MA/JU
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ALS Vial : 16 Sample Multiplier: 1

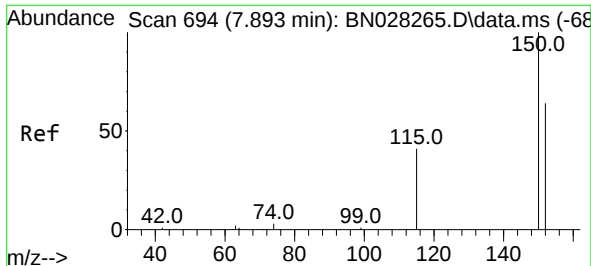
Instrument :
BNA_N
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A-1(0-2)

Quant Time: Oct 25 01:07:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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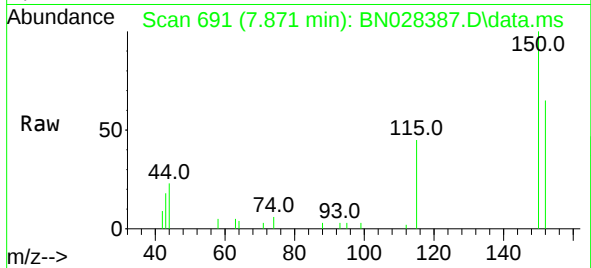
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

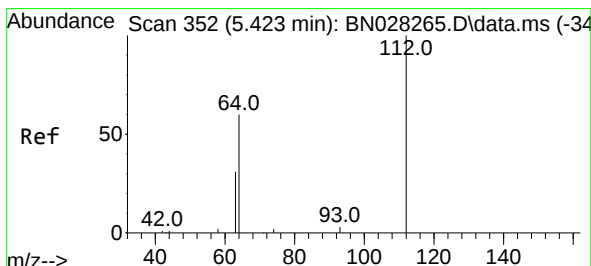
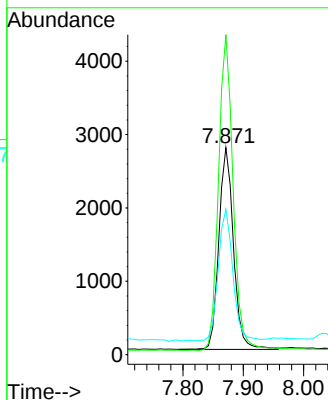
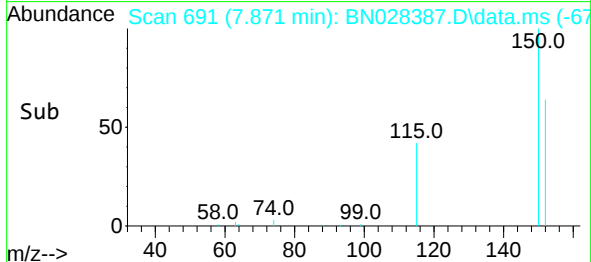
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



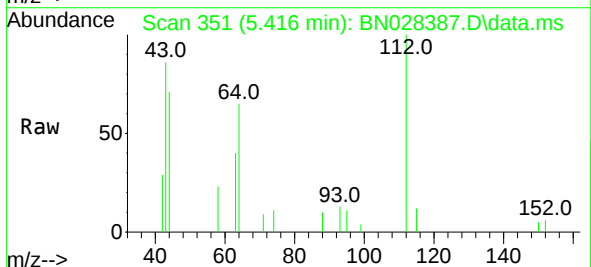
Tgt Ion:152 Resp: 4642
Ion Ratio Lower Upper
152 100
150 154.5 121.6 182.4
115 70.2 54.3 81.5

Manual Integrations
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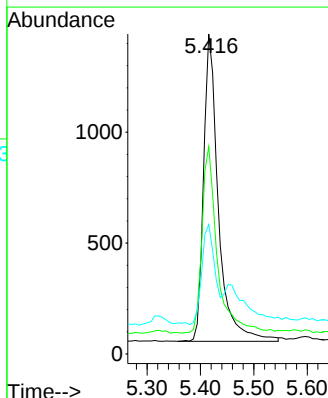
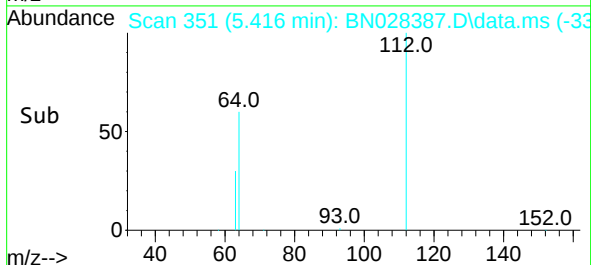
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

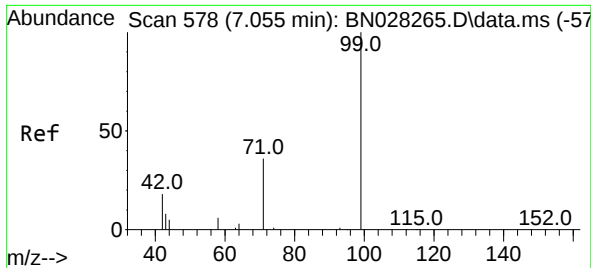


#4
2-Fluorophenol
Concen: 0.186 ng
RT: 5.416 min Scan# 351
Delta R.T. -0.014 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01



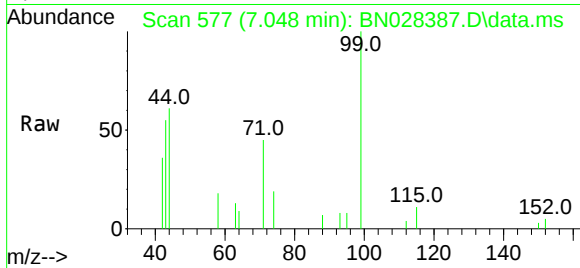
Tgt Ion:112 Resp: 2683
Ion Ratio Lower Upper
112 100
64 62.5 46.9 70.3
63 28.8 25.0 37.4





#5
Phenol-d6
Concen: 0.199 ng
RT: 7.048 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

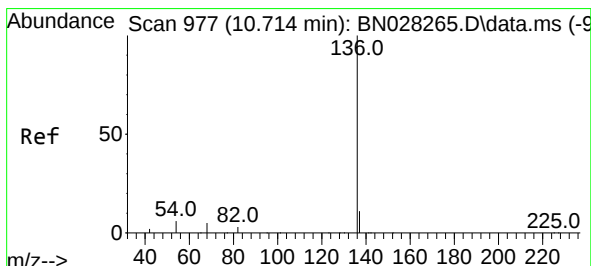
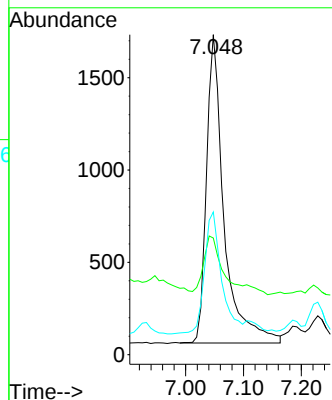
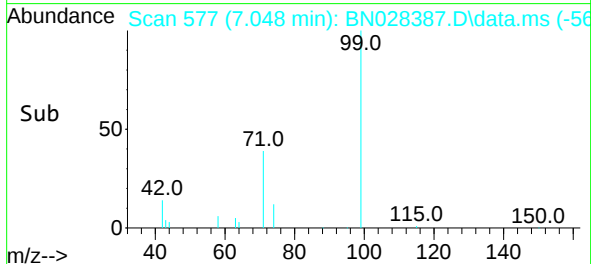
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion: 99 Resp: 352
Ion Ratio Lower Upper
99 100
42 22.4 15.9 23.9
71 38.7 28.6 42.8

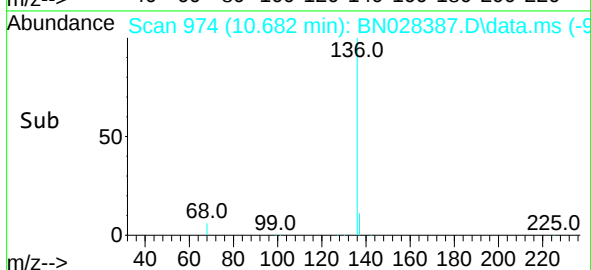
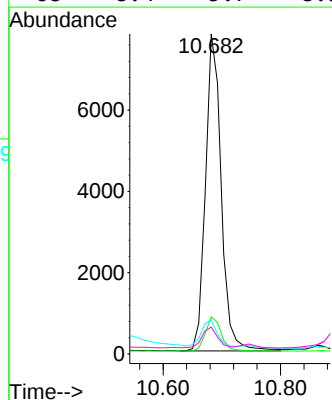
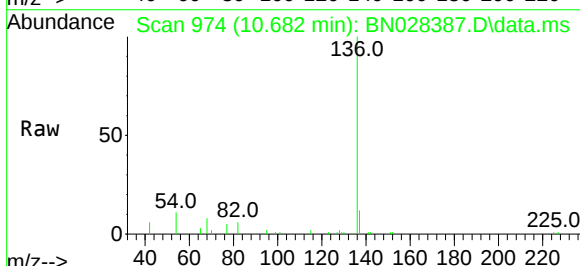
Manual Integrations
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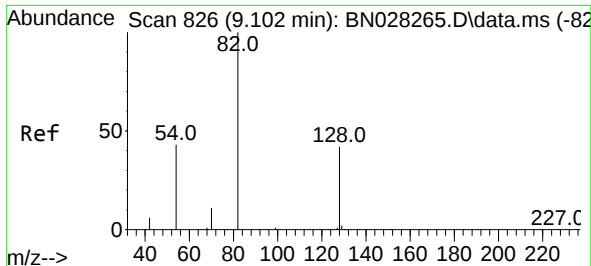
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

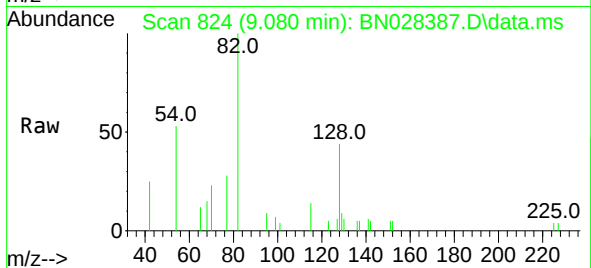
Tgt Ion:136 Resp: 14506
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.8
54 10.7 6.2 9.4#
68 8.4 5.7 8.5





#8
Nitrobenzene-d5
Concen: 0.211 ng
RT: 9.080 min Scan# 81
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

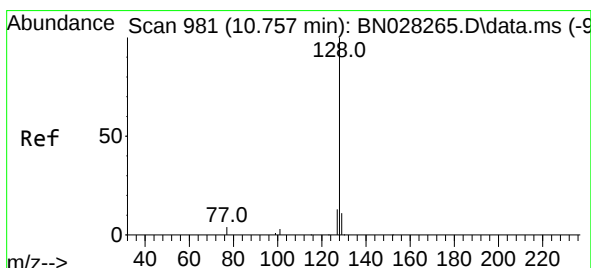
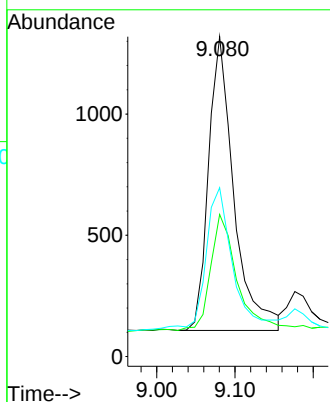
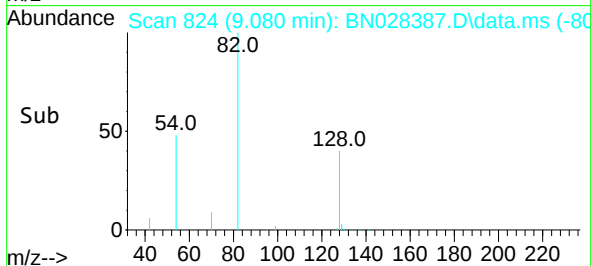
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion: 82 Resp: 271
Ion Ratio Lower Upper
82 100
128 44.4 36.8 55.2
54 52.8 37.4 56.2

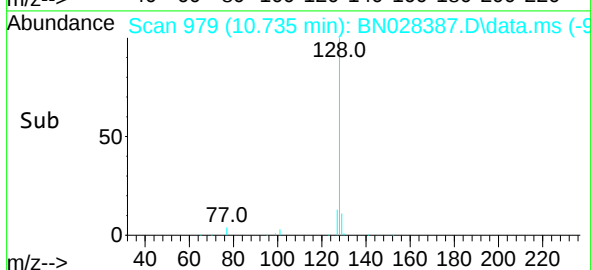
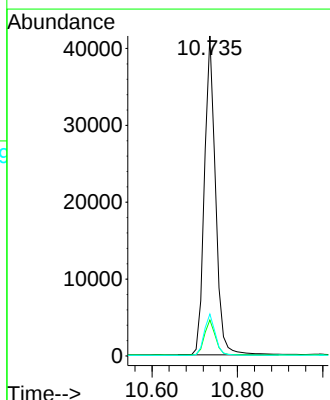
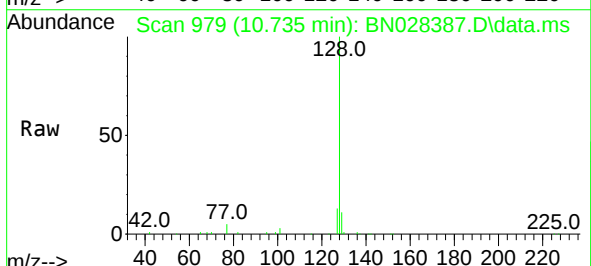
Manual Integrations
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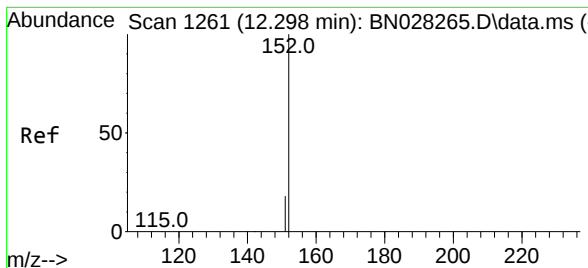
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#9
Naphthalene
Concen: 1.990 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

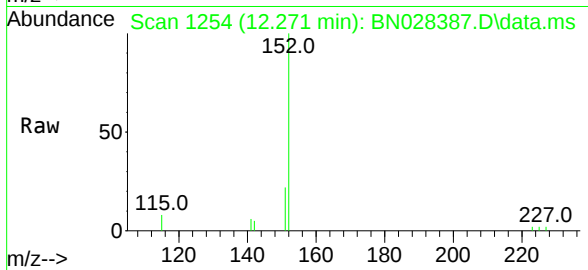
Tgt Ion:128 Resp: 74888
Ion Ratio Lower Upper
128 100
129 11.2 9.8 14.6
127 13.1 11.4 17.0





#11
2-Methylnaphthalene-d10
Concen: 0.200 ng
RT: 12.271 min Scan# 11
Delta R.T. -0.023 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

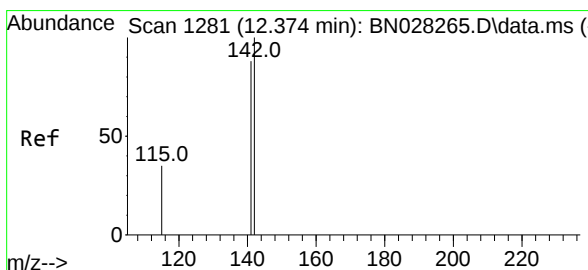
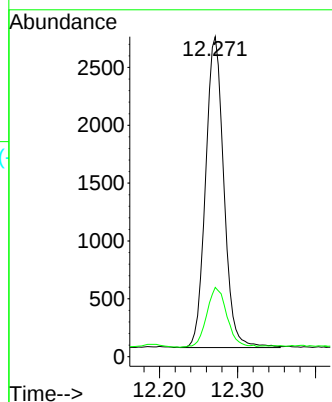
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:152 Resp: 4369
Ion Ratio Lower Upper
152 100
151 21.4 16.1 24.1

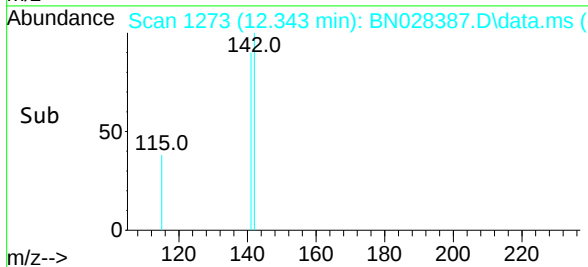
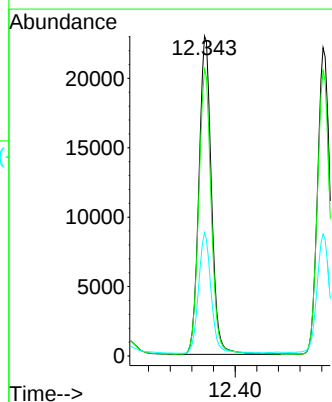
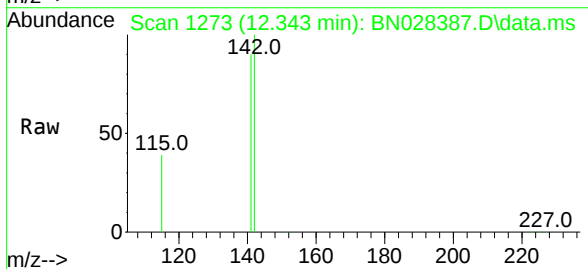
Manual Integrations
APPROVED

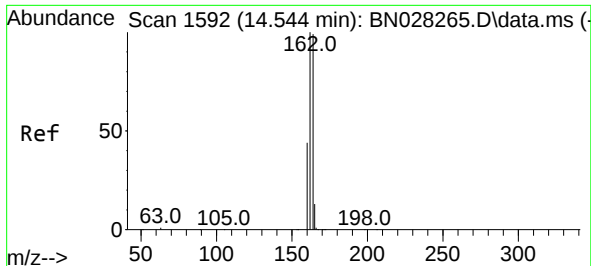
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#12
2-Methylnaphthalene
Concen: 1.380 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

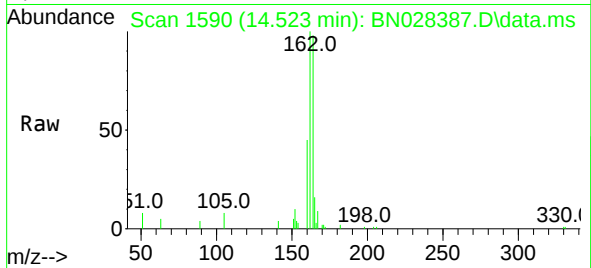
Tgt Ion:142 Resp: 36905
Ion Ratio Lower Upper
142 100
141 89.7 71.1 106.7
115 38.6 29.9 44.9





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

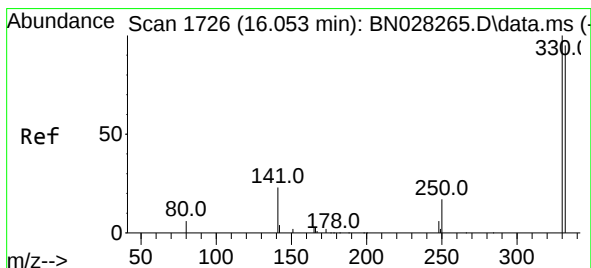
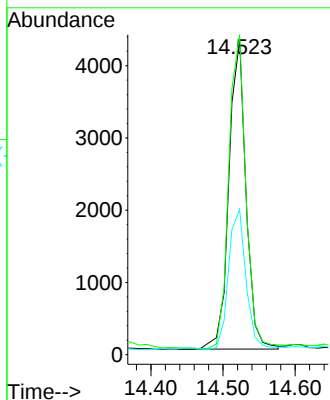
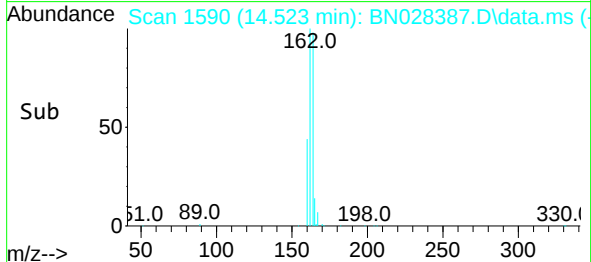
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



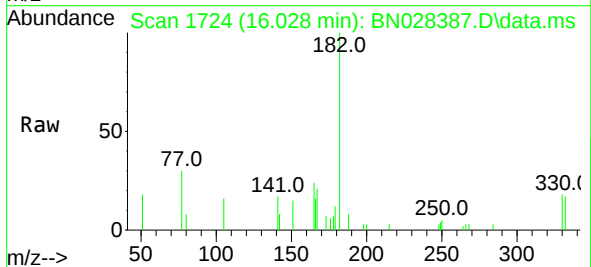
Tgt Ion:164 Resp: 7054
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 46.1 36.6 54.8

Manual Integrations
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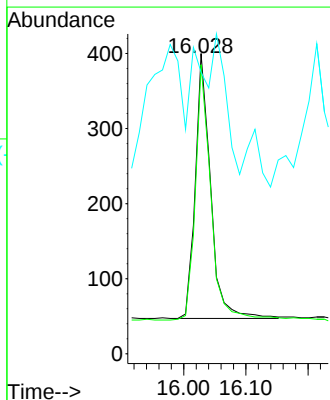
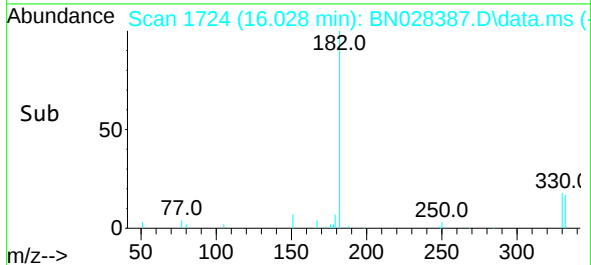
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

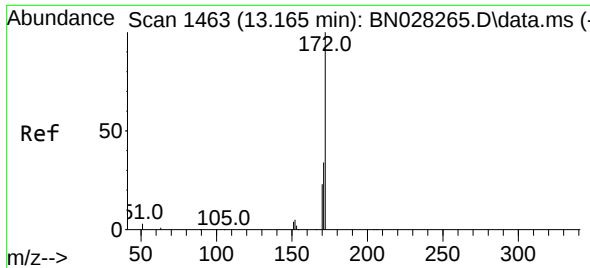


#14
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 16.028 min Scan# 1724
Delta R.T. -0.037 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01



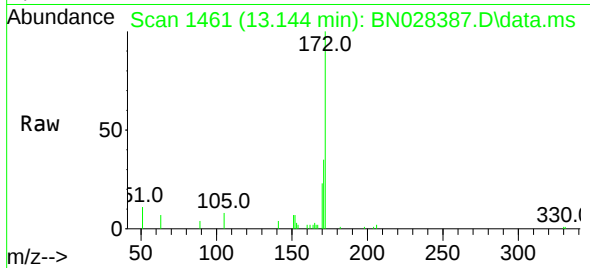
Tgt Ion:330 Resp: 607
Ion Ratio Lower Upper
330 100
332 97.0 74.1 111.1
141 33.3 32.1 48.1





#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

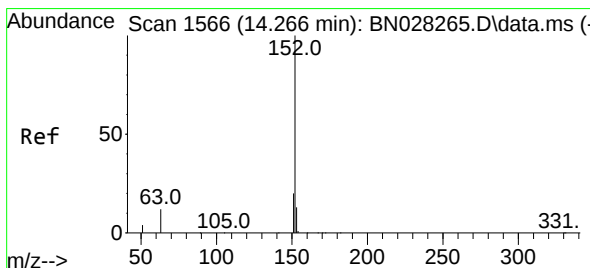
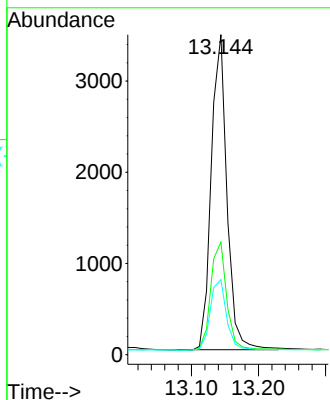
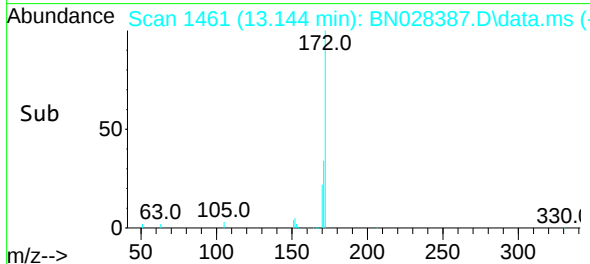
Instrument :
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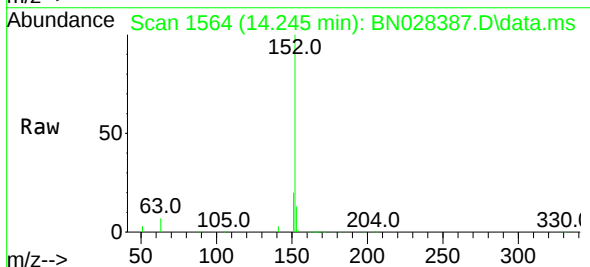
Tgt Ion:172 Resp: 564
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.5 18.7 28.1

Manual Integrations
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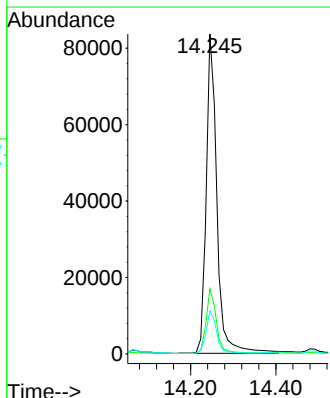
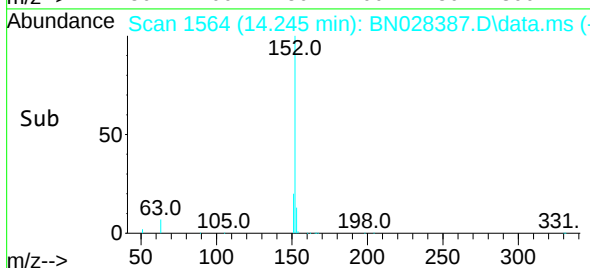
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

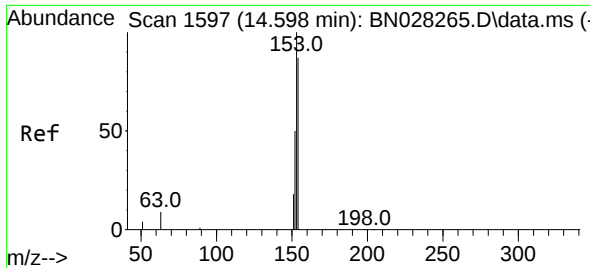


#16
Acenaphthylene
Concen: 4.564 ng
RT: 14.245 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01



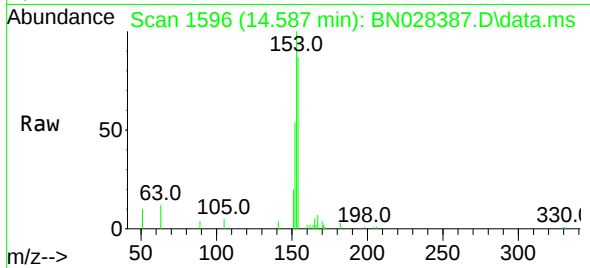
Tgt Ion:152 Resp: 144669
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.4 10.6 16.0





#17
Acenaphthene
Concen: 0.415 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

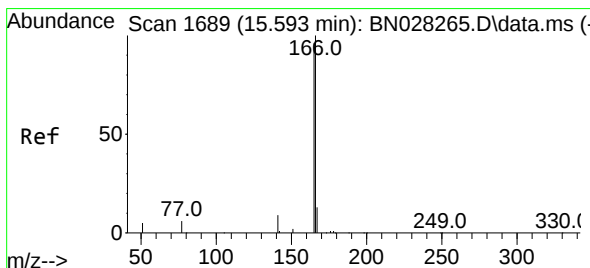
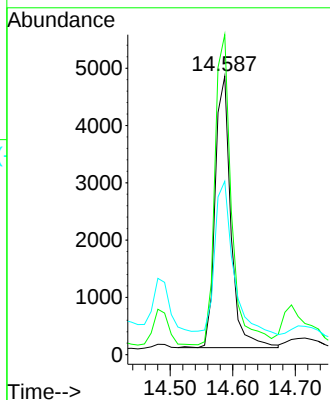
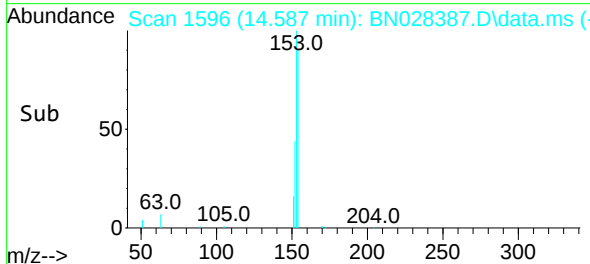
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:154 Resp: 828
Ion Ratio Lower Upper
154 100
153 120.3 90.7 136.1
152 66.6 43.6 65.4

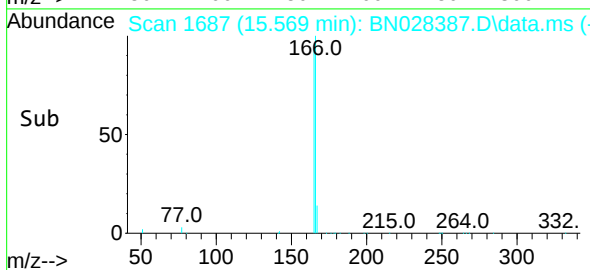
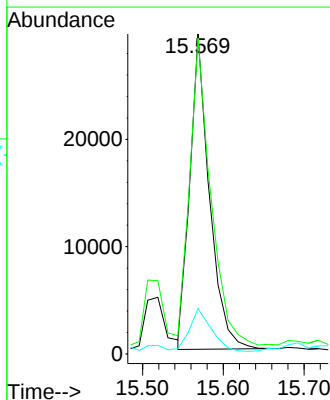
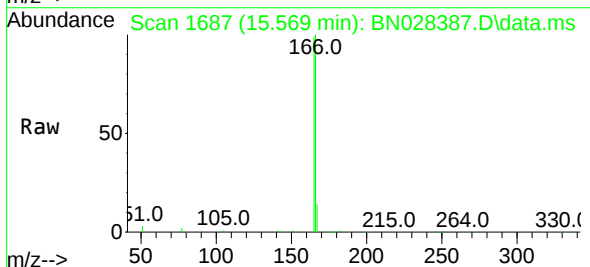
Manual Integrations
APPROVED

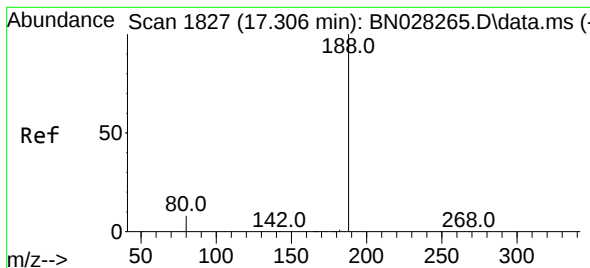
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#18
Fluorene
Concen: 1.884 ng
RT: 15.569 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:166 Resp: 49525
Ion Ratio Lower Upper
166 100
165 104.9 79.3 118.9
167 15.3 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.281 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BN028387.D

Acq: 24 Oct 2023 23:01

Instrument :

BNA_N

ClientSampleId :

A-1(0-2)

Tgt Ion:188 Resp: 1346

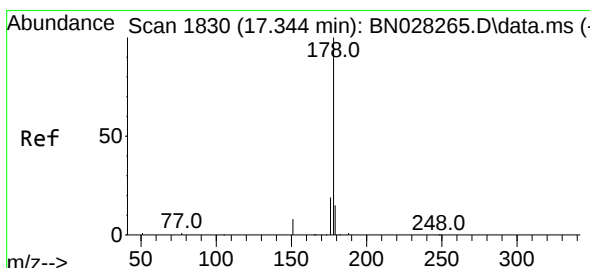
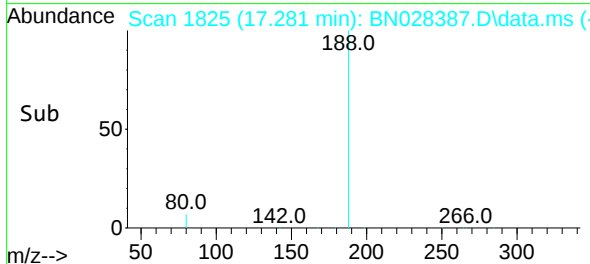
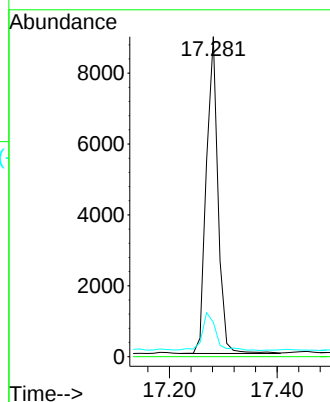
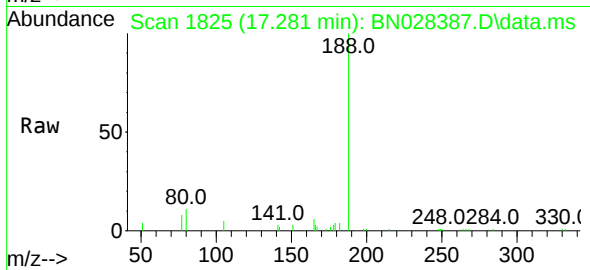
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2023

Supervised By :mohammad ahmed 10/25/2023



#25

Phenanthrene

Concen: 12.574 ng

RT: 17.319 min Scan# 1828

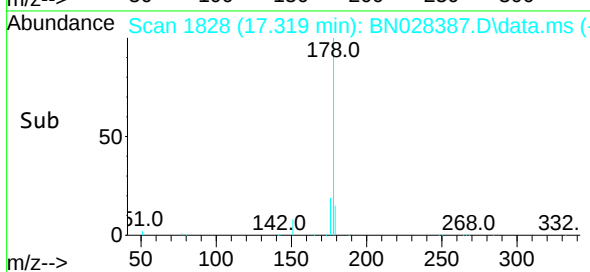
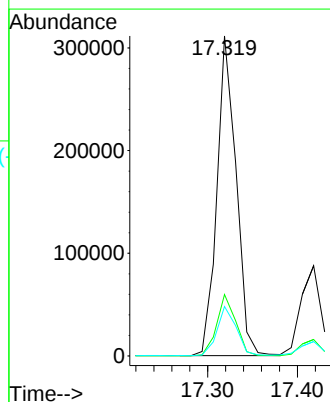
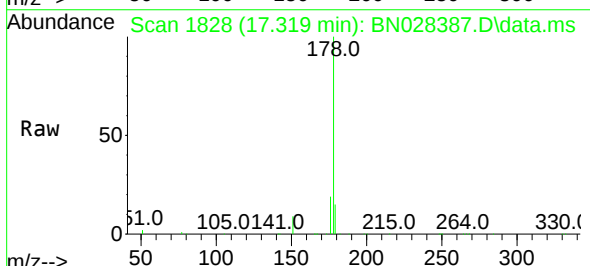
Delta R.T. -0.012 min

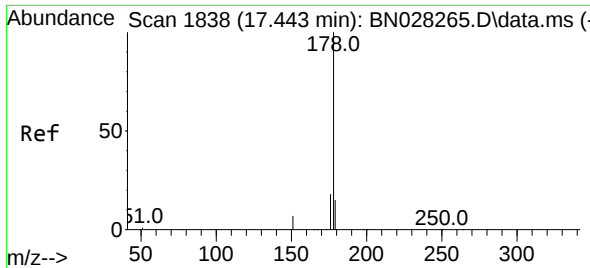
Lab File: BN028387.D

Acq: 24 Oct 2023 23:01

Tgt Ion:178 Resp: 463369

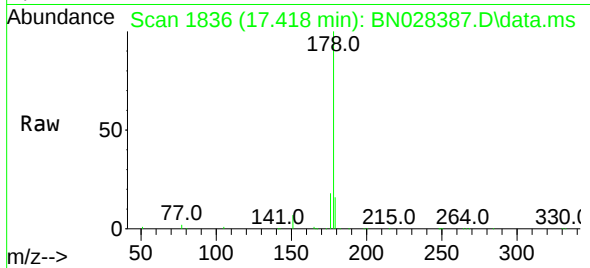
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.5	18.7





#26
 Anthracene
 Concen: 3.964 ng
 RT: 17.418 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

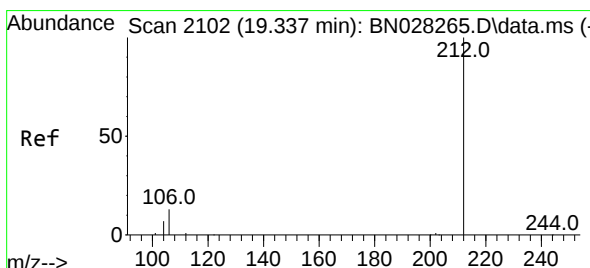
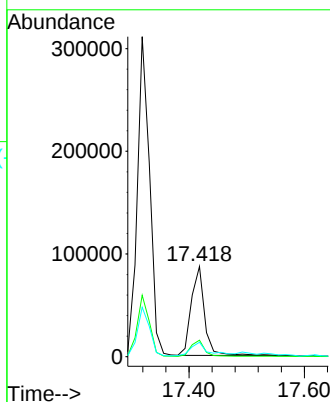
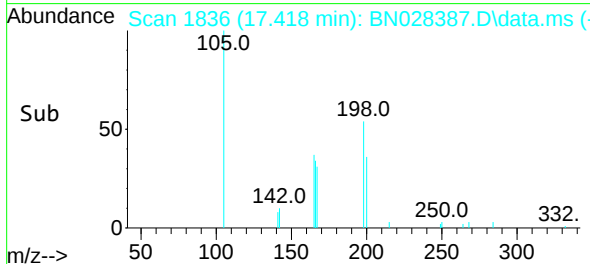
Instrument :
 BNA_N
 ClientSampleId :
 A-1(0-2)



Tgt Ion:178 Resp: 139509
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 20.6 12.2 18.4

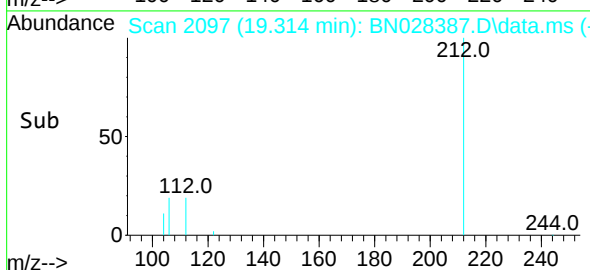
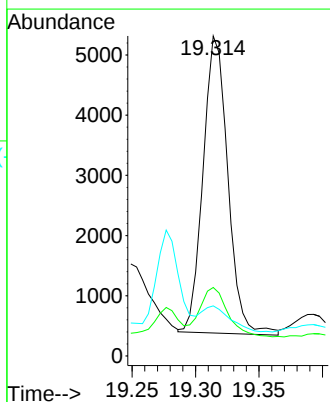
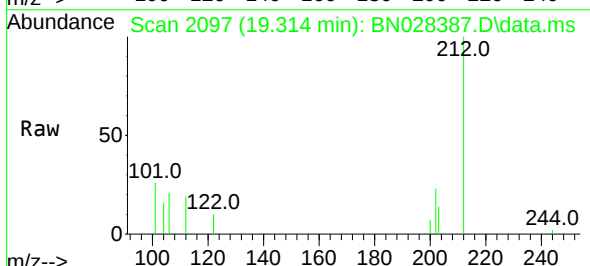
Manual Integrations
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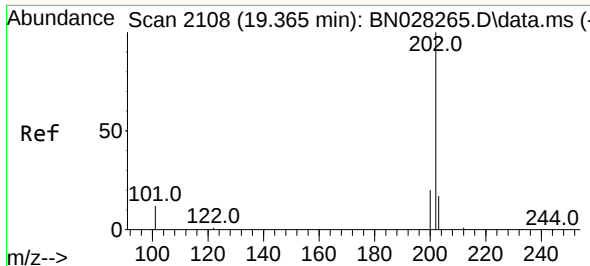
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#27
 Fluoranthene-d10
 Concen: 0.186 ng
 RT: 19.314 min Scan# 2097
 Delta R.T. -0.014 min
 Lab File: BN028387.D
 Acq: 24 Oct 2023 23:01

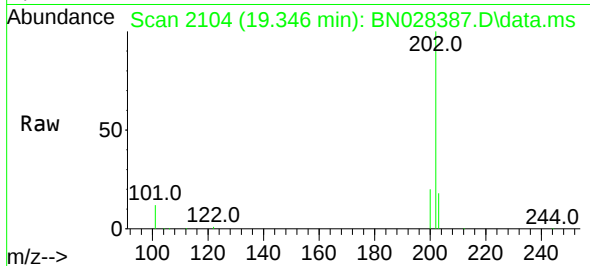
Tgt Ion:212 Resp: 6708
 Ion Ratio Lower Upper
 212 100
 106 19.2 11.5 17.3#
 104 10.1 6.7 10.1#





#28
Fluoranthene
Concen: 12.142 ng
RT: 19.346 min Scan# 2104
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

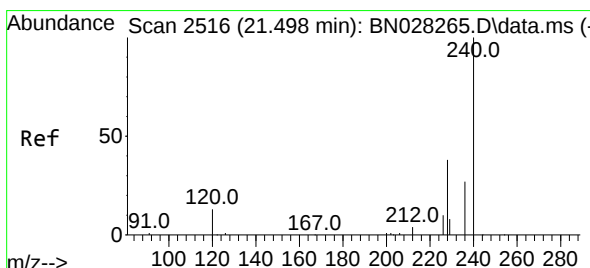
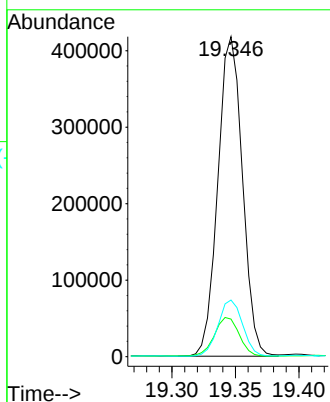
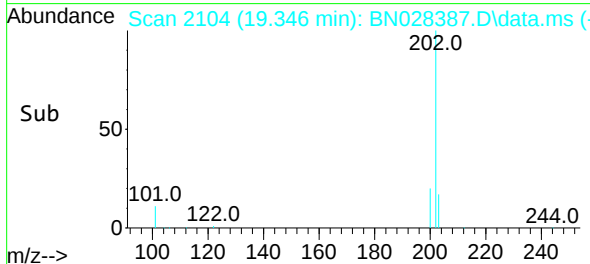
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



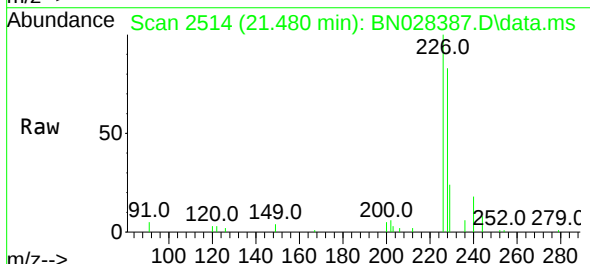
Tgt Ion:202 Resp: 562164
Ion Ratio Lower Upper
202 100
101 12.2 10.1 15.1
203 17.6 13.9 20.9

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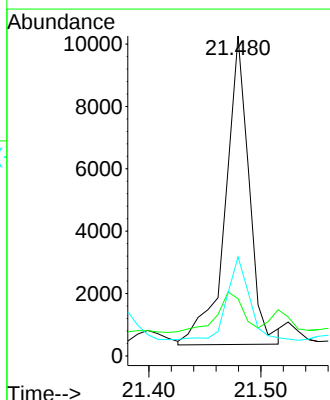
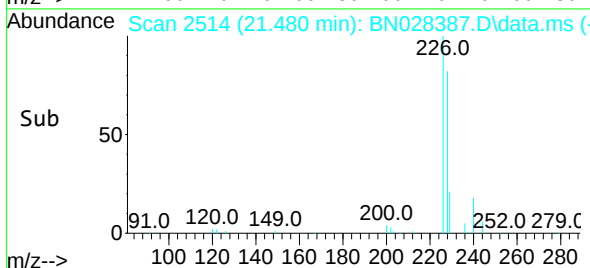
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

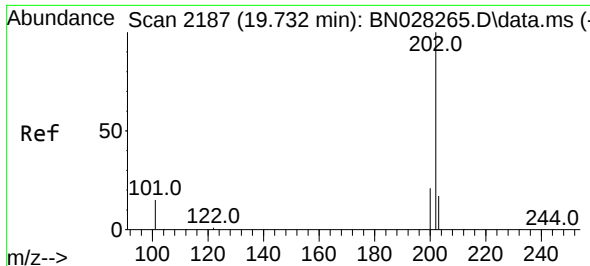


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.480 min Scan# 2514
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01



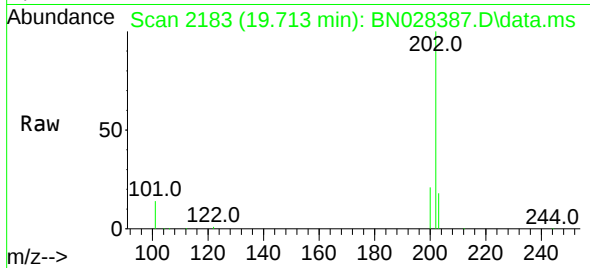
Tgt Ion:240 Resp: 14612
Ion Ratio Lower Upper
240 100
120 17.9 13.4 20.0
236 30.9 22.7 34.1





#30
Pyrene
Concen: 13.901 ng
RT: 19.713 min Scan# 2183
Delta R.T. -0.014 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

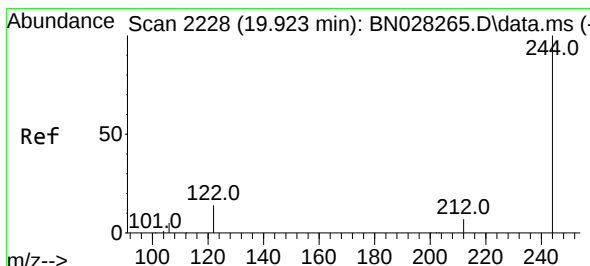
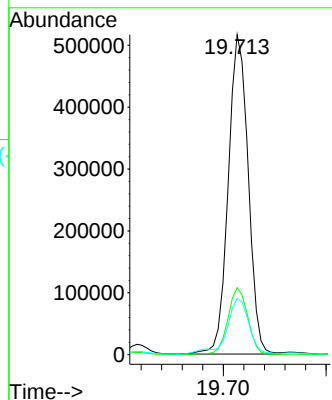
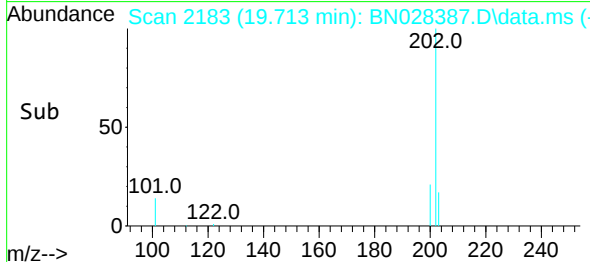
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:202 Resp: 69503
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 19.2 14.5 21.7

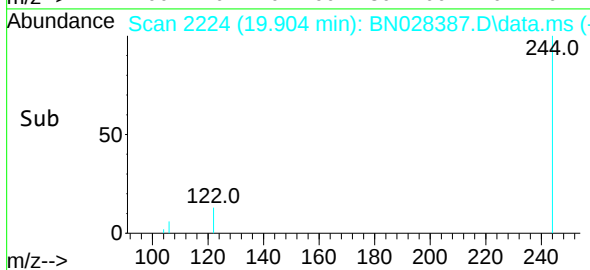
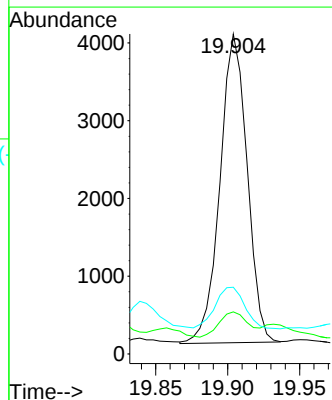
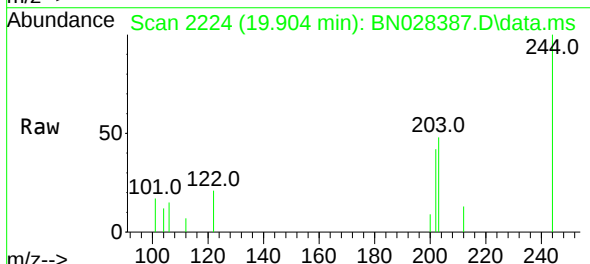
Manual Integrations
APPROVED

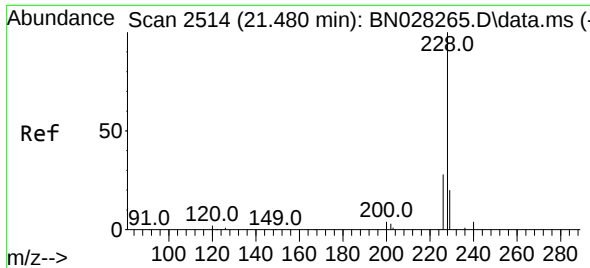
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#31
Terphenyl-d14
Concen: 0.168 ng
RT: 19.904 min Scan# 2224
Delta R.T. -0.014 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

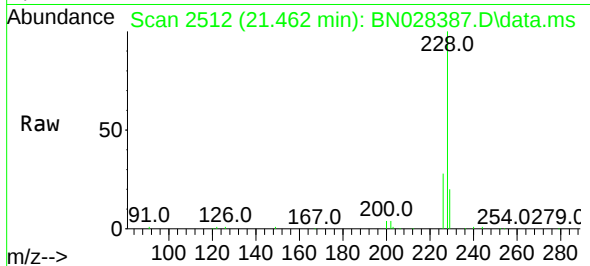
Tgt Ion:244 Resp: 5217
Ion Ratio Lower Upper
244 100
212 13.1 6.6 10.0#
122 20.8 11.7 17.5#





#32
Benzo(a)anthracene
Concen: 7.411 ng
RT: 21.462 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

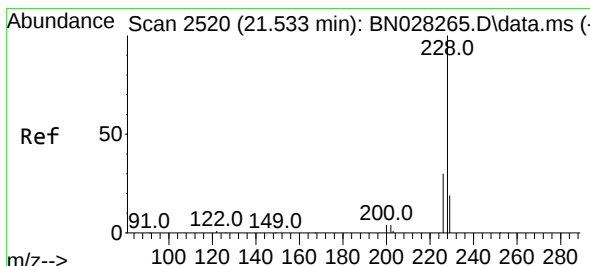
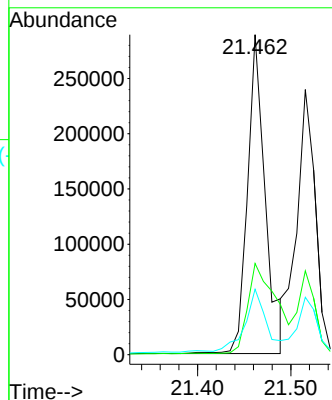
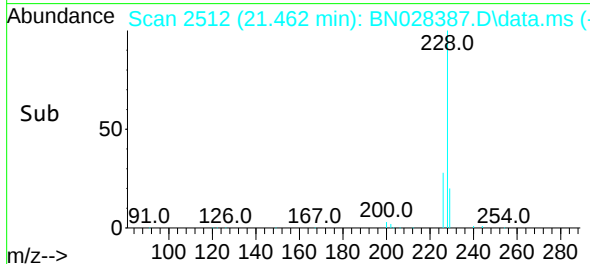
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:228 Resp: 384690
Ion Ratio Lower Upper
228 100
226 28.5 22.9 34.3
229 20.4 16.6 24.8

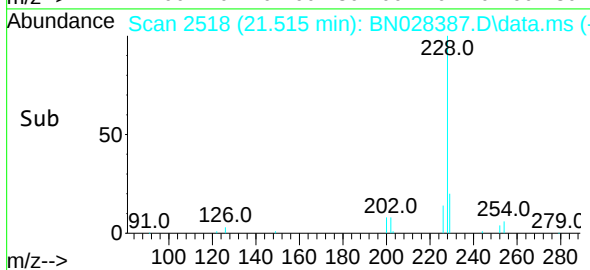
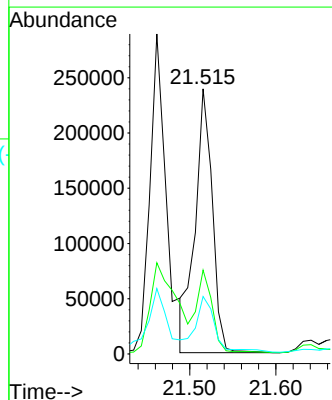
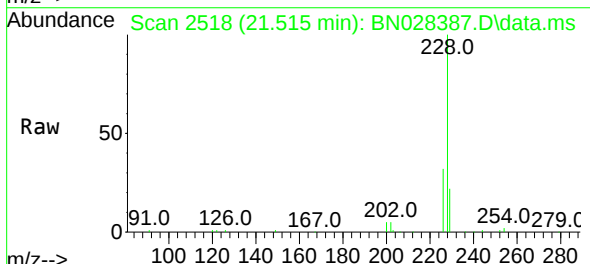
Manual Integrations
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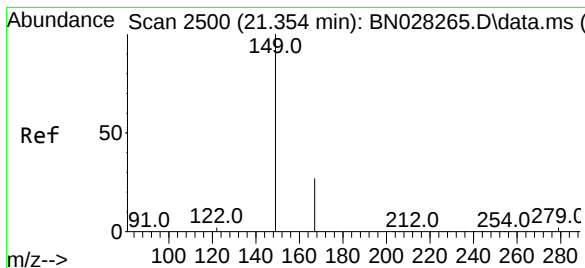
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#33
Chrysene
Concen: 6.689 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

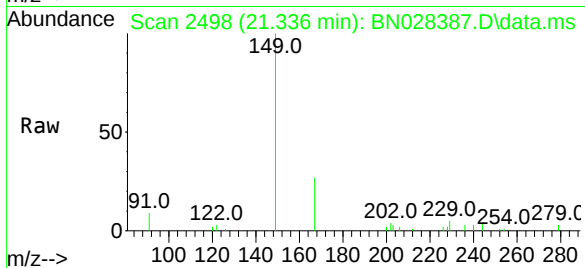
Tgt Ion:228 Resp: 332308
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 21.7 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.096 ng
RT: 21.336 min Scan# 2498
Delta R.T. -0.009 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

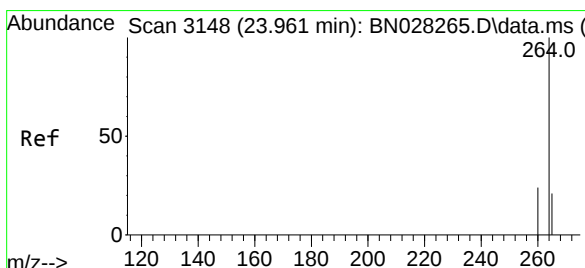
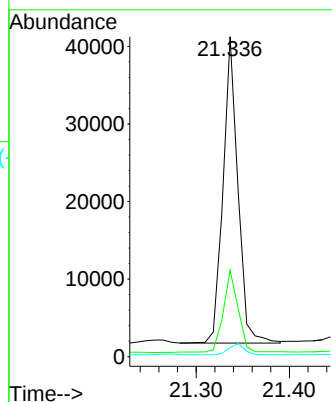
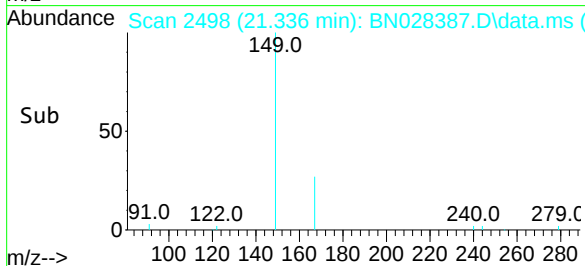
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:149 Resp: 4344
Ion Ratio Lower Upper
149 100
167 27.3 22.6 34.0
279 3.8 4.2 6.2

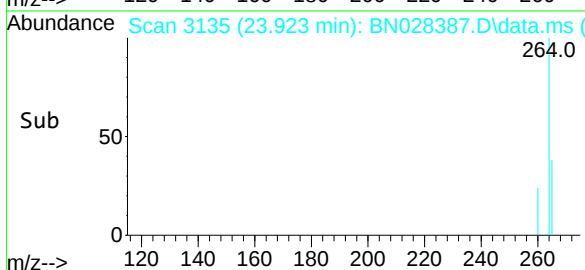
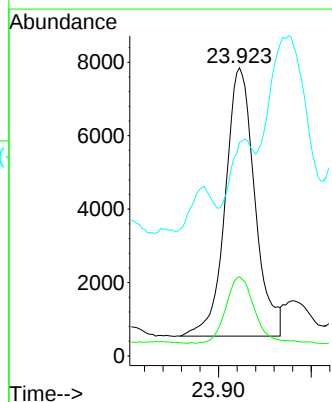
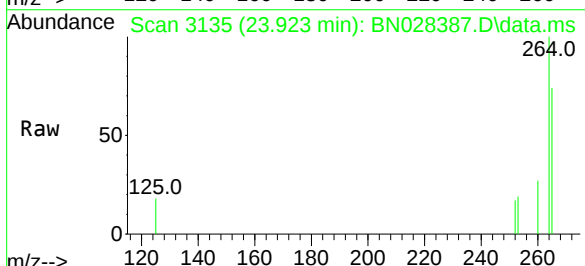
Manual Integrations
APPROVED

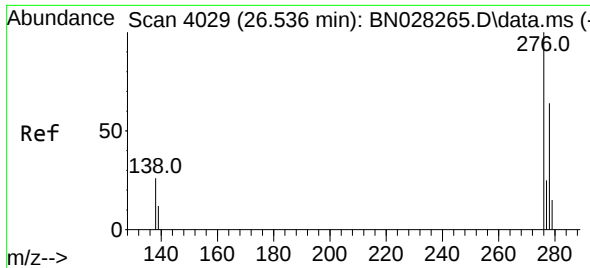
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.923 min Scan# 3135
Delta R.T. -0.015 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

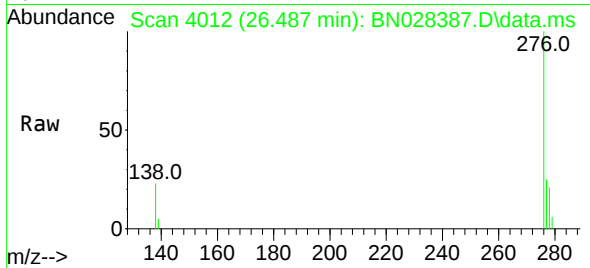
Tgt Ion:264 Resp: 16204
Ion Ratio Lower Upper
264 100
260 27.5 20.7 31.1
265 74.1 38.3 57.5





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.701 ng
RT: 26.487 min Scan# 4029
Delta R.T. -0.017 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

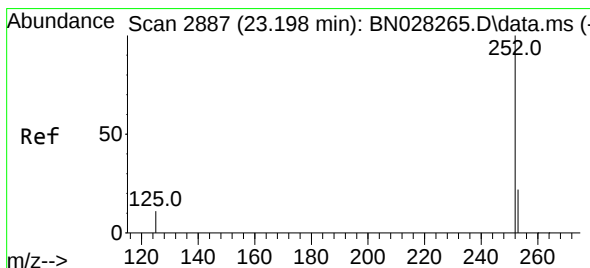
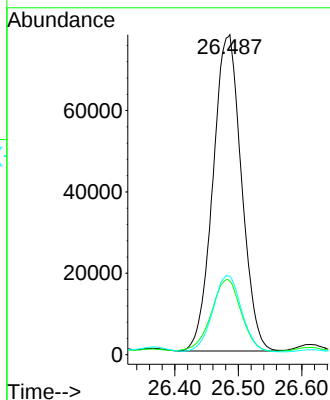
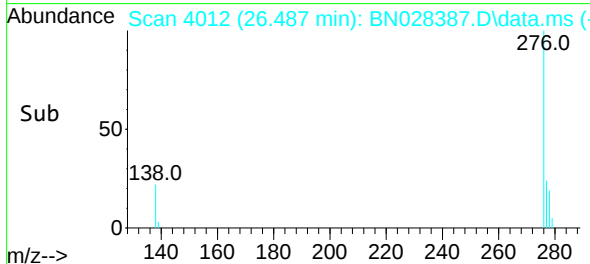
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:276 Resp: 24179
Ion Ratio Lower Upper
276 100
138 23.8 21.3 31.9
277 24.4 20.0 30.0

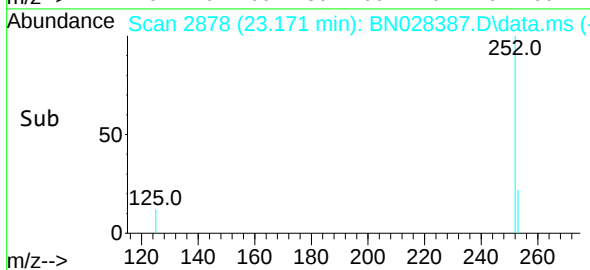
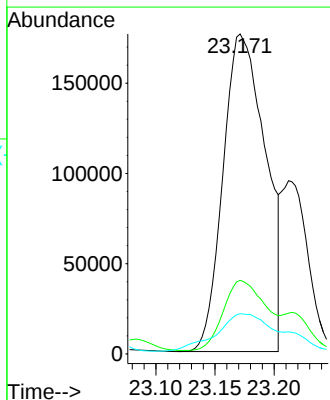
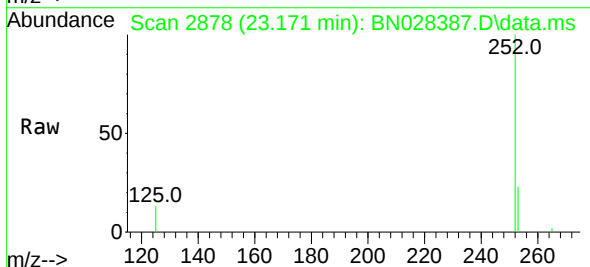
Manual Integrations
APPROVED

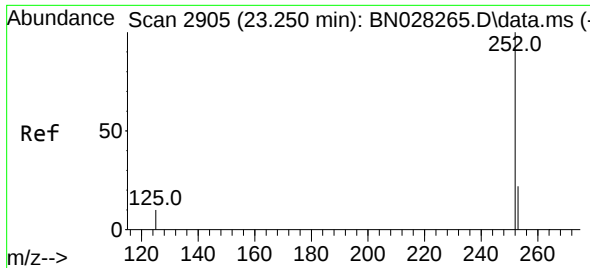
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#37
Benzo(b)fluoranthene
Concen: 8.674 ng
RT: 23.171 min Scan# 2878
Delta R.T. -0.006 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

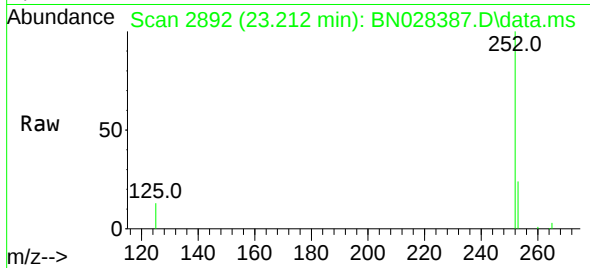
Tgt Ion:252 Resp: 439323
Ion Ratio Lower Upper
252 100
253 23.0 21.8 32.8
125 12.6 15.6 23.4#





#38
Benzo(k)fluoranthene
Concen: 2.916 ng m
RT: 23.212 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

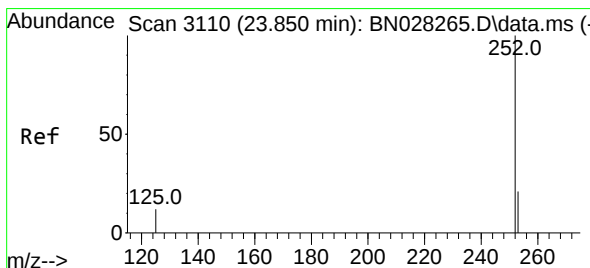
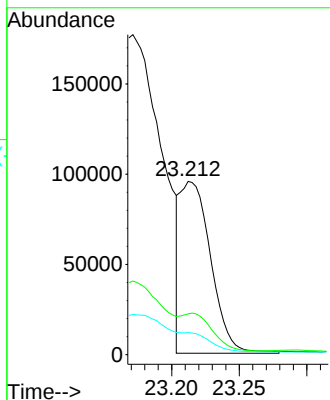
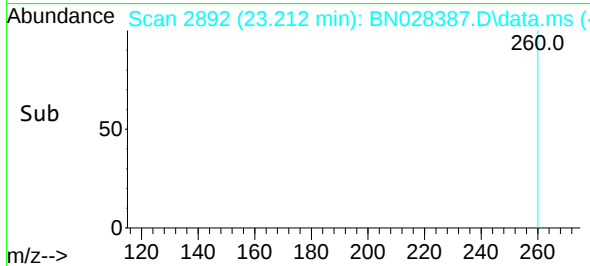
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:252 Resp: 150248
Ion Ratio Lower Upper
252 100
253 23.6 22.0 33.0
125 12.7 15.3 22.9

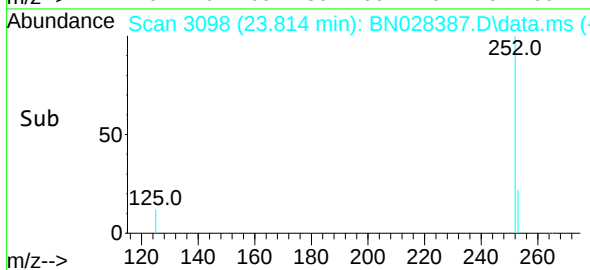
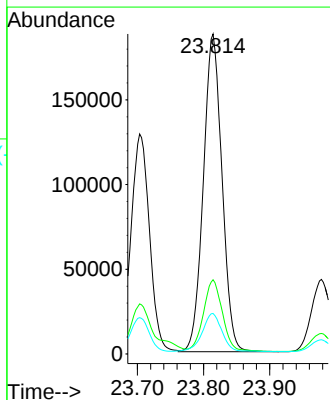
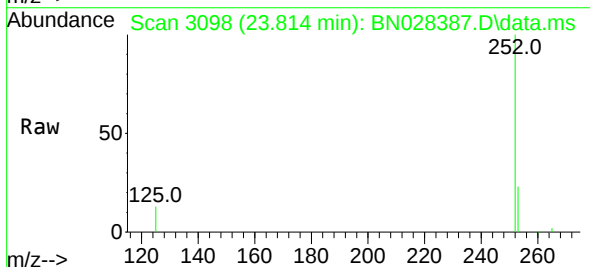
Manual Integrations
APPROVED

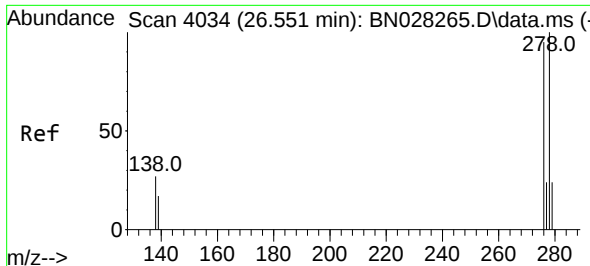
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Benzo(a)pyrene
Concen: 7.298 ng m
RT: 23.814 min Scan# 3098
Delta R.T. -0.015 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

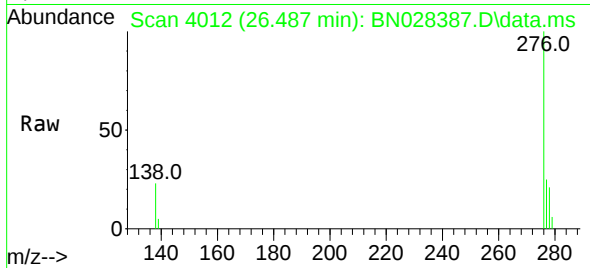
Tgt Ion:252 Resp: 367698
Ion Ratio Lower Upper
252 100
253 23.2 22.7 34.1
125 12.6 17.0 25.6





#40
Dibenzo(a,h)anthracene
Concen: 1.280 ng
RT: 26.487 min Scan# 4012
Delta R.T. -0.032 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

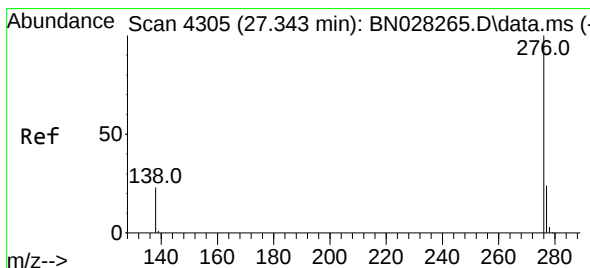
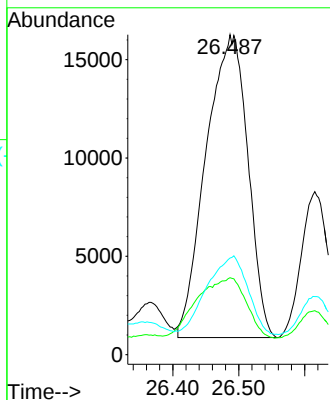
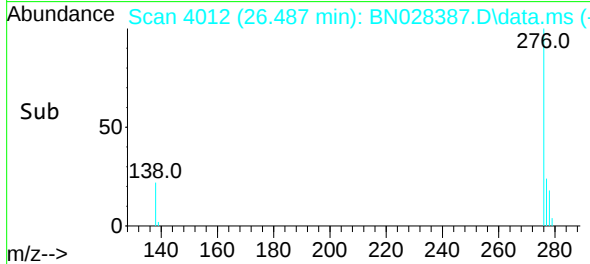
Instrument :
BNA_N
ClientSampleId :
A-1(0-2)



Tgt Ion:278 Resp: 67910
Ion Ratio Lower Upper
278 100
139 24.1 18.8 28.2
279 30.2 23.5 35.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#41
Benzo(g,h,i)perylene
Concen: 4.654 ng
RT: 27.288 min Scan# 4286
Delta R.T. -0.017 min
Lab File: BN028387.D
Acq: 24 Oct 2023 23:01

Tgt Ion:276 Resp: 254837
Ion Ratio Lower Upper
276 100
277 24.6 21.7 32.5
138 24.4 21.7 32.5

