

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
 Data File : BN028393.D
 Acq On : 25 Oct 2023 02:38
 Operator : MA/JU
 Sample : 04938-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A-5(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Oct 25 03:08:52 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	4011	0.400	ng	0.00
7) Naphthalene-d8	10.682	136	14292	0.400	ng	-0.02
13) Acenaphthene-d10	14.523	164	10576	0.400	ng	-0.01
19) Phenanthrene-d10	17.294	188	16148	0.400	ng	# 0.00
29) Chrysene-d12	21.462	240	26084m	0.400	ng	-0.03
35) Perylene-d12	23.928	264	41396	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.415	112	598	0.048	ng	-0.01
5) Phenol-d6	7.055	99	748	0.049	ng	0.00
8) Nitrobenzene-d5	9.080	82	607	0.048	ng	-0.02
11) 2-Methylnaphthalene-d10	12.271	152	996	0.046	ng	-0.02
14) 2,4,6-Tribromophenol	16.028	330	174	0.034	ng	-0.04
15) 2-Fluorobiphenyl	13.144	172	1316	0.035	ng	-0.02
27) Fluoranthene-d10	19.323	212	11677m	0.270	ng	0.00
31) Terphenyl-d14	19.904	244	35958	0.649	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.735	128	792465	21.377	ng	97
12) 2-Methylnaphthalene	12.343	142	257674	9.781	ng	99
16) Acenaphthylene	14.245	152	358434	7.542	ng	98
17) Acenaphthene	14.587	154	3373922	112.669	ng	97
18) Fluorene	15.581	166	3660827	92.871	ng	99
25) Phenanthrene	17.356	178	36905247	834.923	ng	# 60
26) Anthracene	17.455	178	13797177	326.813	ng	# 94
28) Fluoranthene	19.374	202	43010367m	774.535	ng	
30) Pyrene	19.765	202	38589704m	432.355	ng	
32) Benzo(a)anthracene	21.515	228	30924848m	333.735	ng	
33) Chrysene	21.569	228	20897336	235.629	ng	95
34) Bis(2-ethylhexyl)phtha...	21.354	149	70110m	0.990	ng	
36) Indeno(1,2,3-cd)pyrene	26.712	276	28823561m	172.707	ng	
37) Benzo(b)fluoranthene	23.279	252	46465811	359.107	ng	# 89
38) Benzo(k)fluoranthene	23.326	252	13042982m	99.090	ng	
39) Benzo(a)pyrene	23.949	252	33831119m	262.835	ng	
40) Dibenzo(a,h)anthracene	26.650	278	5660415m	41.777	ng	
41) Benzo(g,h,i)perylene	27.551	276	25893848	185.103	ng	96

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

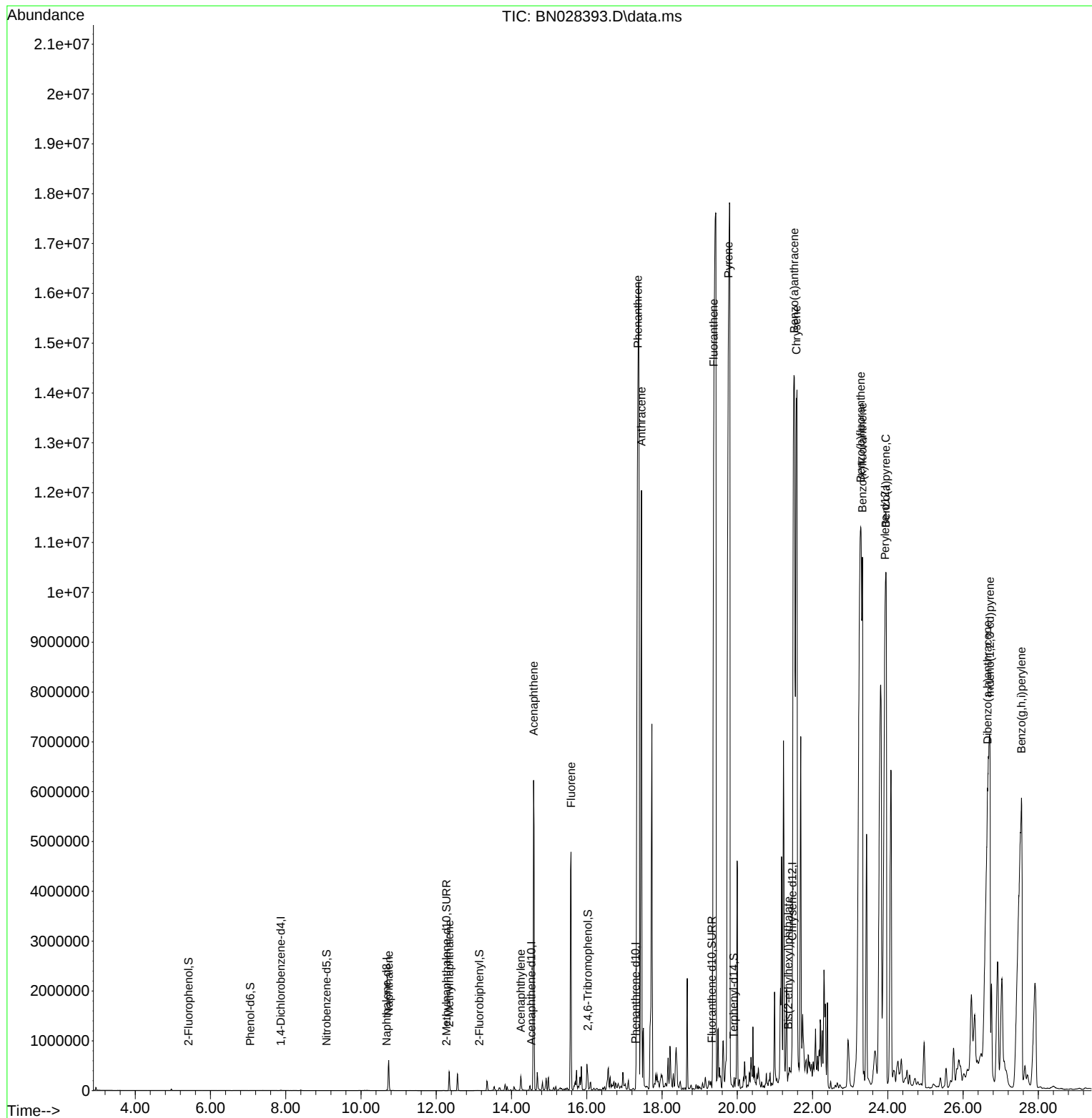
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102423\
Data File : BN028393.D
Acq On : 25 Oct 2023 02:38
Operator : MA/JU
Sample : 04938-09 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

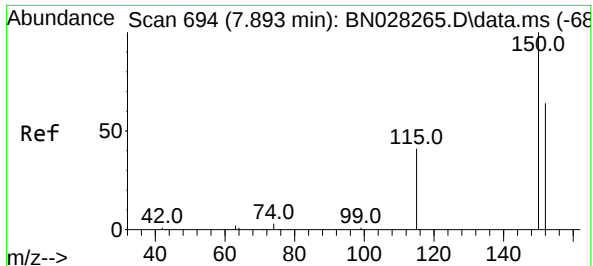
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)

Quant Time: Oct 25 03:08:52 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

Manual Integrations
APPROVED

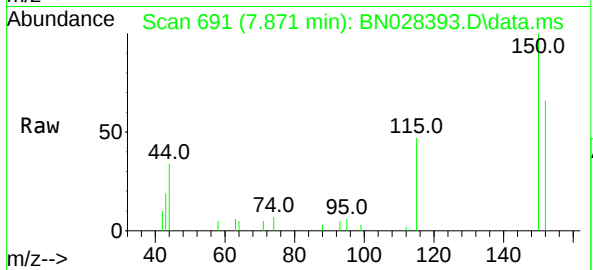
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.871 min Scan# 694
Delta R.T. -0.007 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

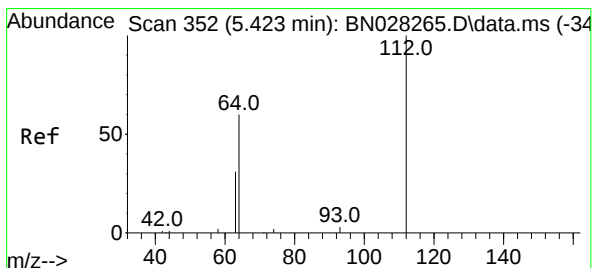
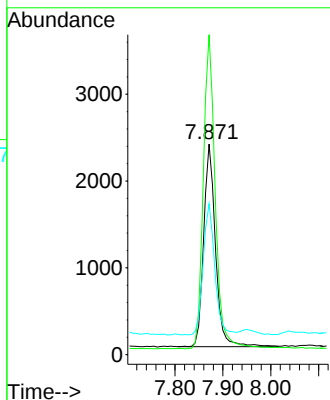
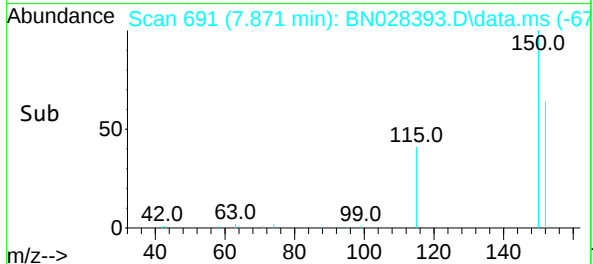
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:152 Resp: 401
Ion Ratio Lower Upper
152 100
150 152.0 121.6 182.4
115 71.6 54.3 81.5

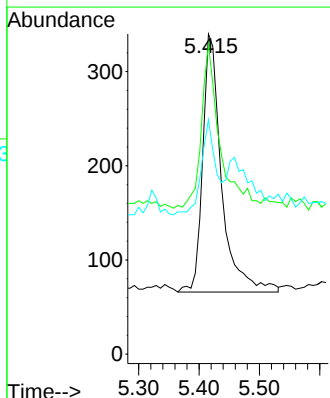
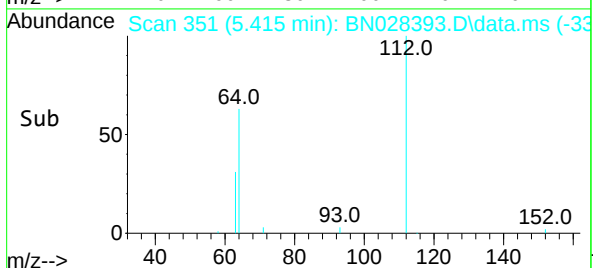
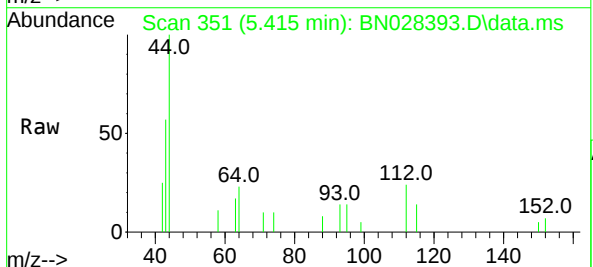
Manual Integrations
APPROVED

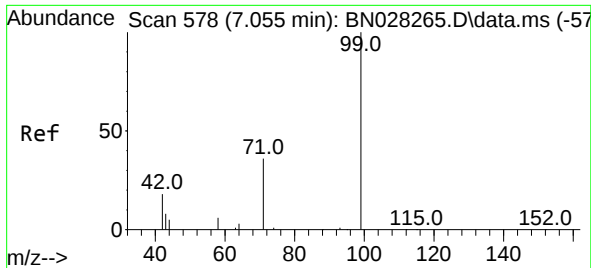
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#4
2-Fluorophenol
Concen: 0.048 ng
RT: 5.415 min Scan# 351
Delta R.T. -0.014 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

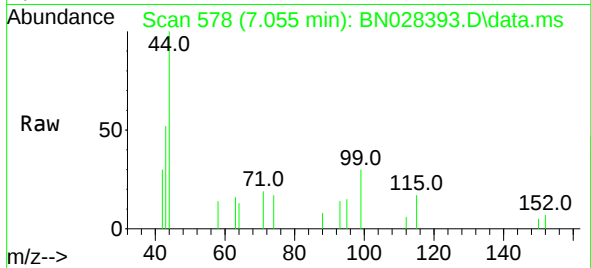
Tgt Ion:112 Resp: 598
Ion Ratio Lower Upper
112 100
64 61.9 46.9 70.3
63 28.1 25.0 37.4





#5
Phenol-d6
Concen: 0.049 ng
RT: 7.055 min Scan# 578
Delta R.T. 0.000 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

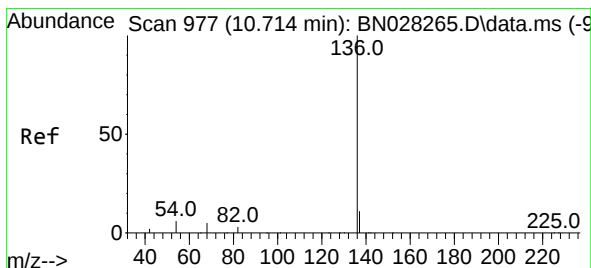
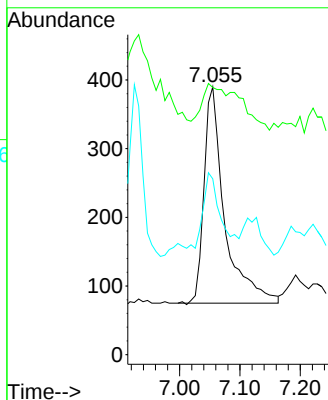
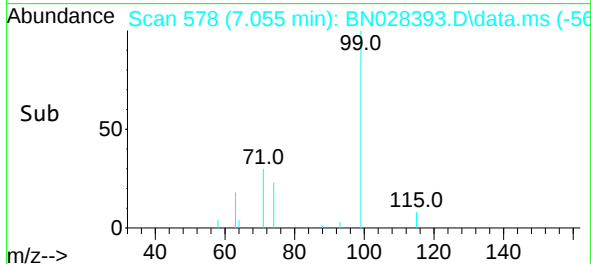
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



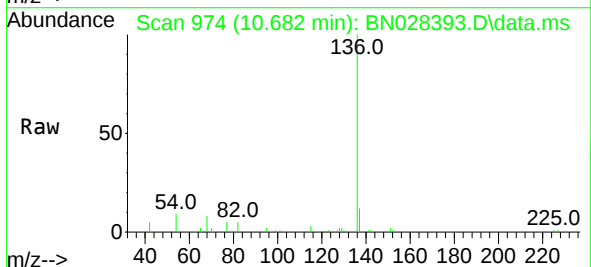
Tgt Ion: 99 Resp: 748
Ion Ratio Lower Upper
99 100
42 39.4 15.9 23.9
71 36.5 28.6 42.8

Manual Integrations
APPROVED

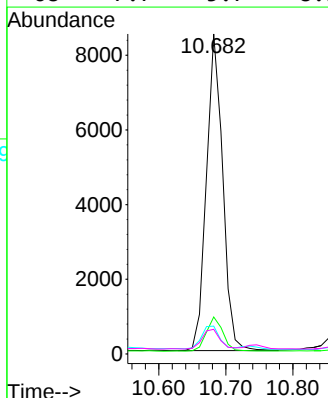
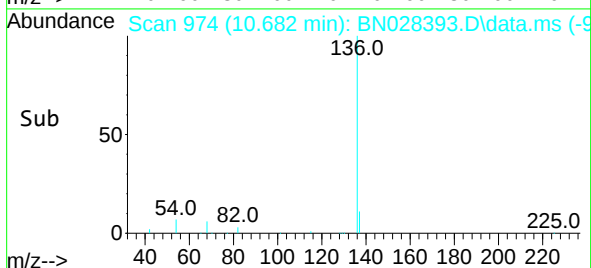
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

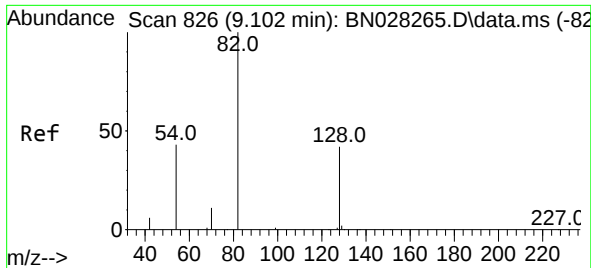


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.682 min Scan# 974
Delta R.T. -0.021 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38



Tgt Ion:136 Resp: 14292
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.8
54 8.7 6.2 9.4
68 7.7 5.7 8.5





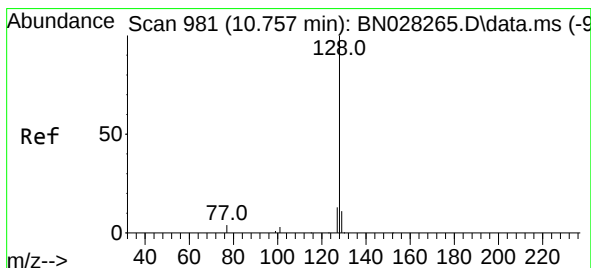
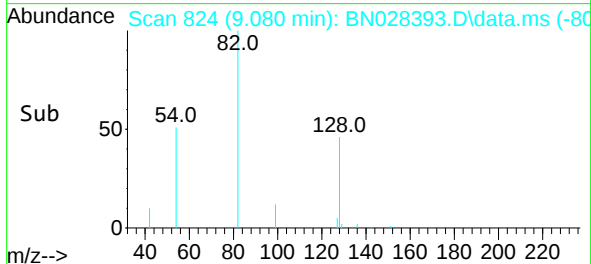
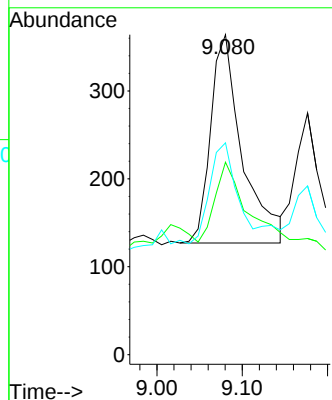
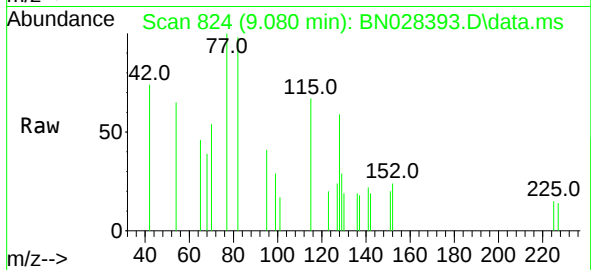
#8
Nitrobenzene-d5
Concen: 0.048 ng
RT: 9.080 min Scan# 81
Delta R.T. -0.021 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

Instrument :
BNA_N
ClientSampleId :
A-5(0-2)

Tgt Ion: 82 Resp: 60
Ion Ratio Lower Upper
82 100
128 60.2 36.8 55.2
54 66.2 37.4 56.2

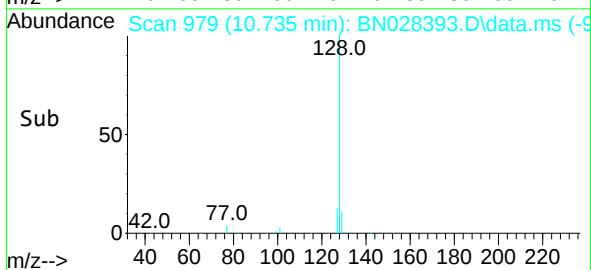
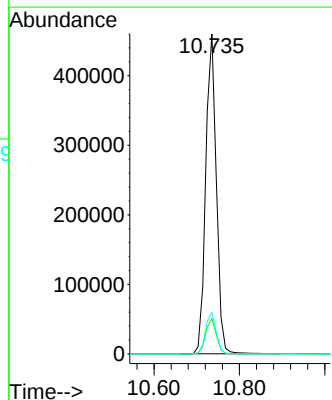
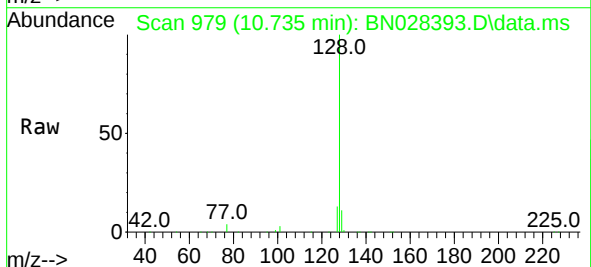
Manual Integrations
APPROVED

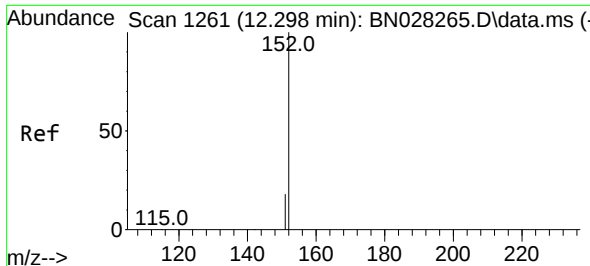
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#9
Naphthalene
Concen: 21.377 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.021 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

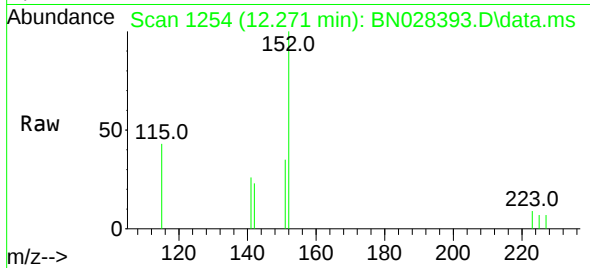
Tgt Ion:128 Resp: 792465
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.6
127 12.9 11.4 17.0





#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 12.271 min Scan# 11
Delta R.T. -0.023 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

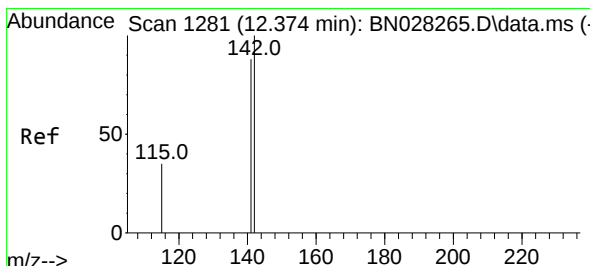
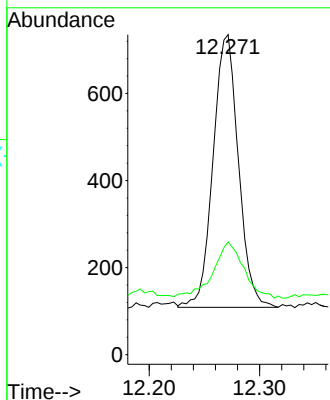
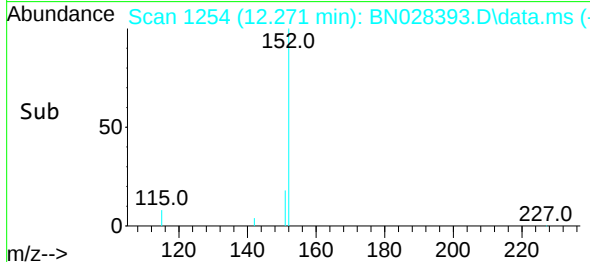
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



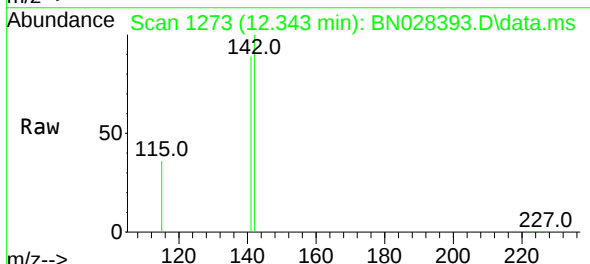
Tgt Ion:152 Resp: 990
Ion Ratio Lower Upper
152 100
151 25.1 16.1 24.1

Manual Integrations
APPROVED

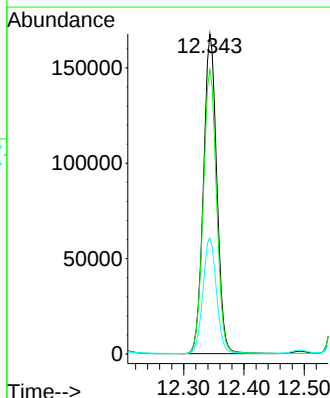
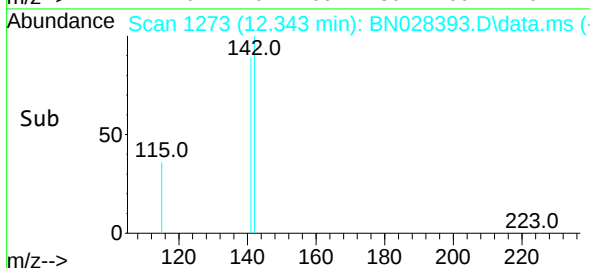
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

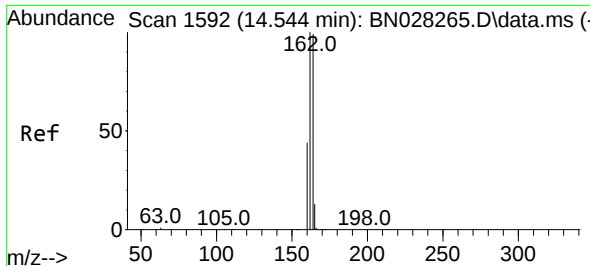


#12
2-Methylnaphthalene
Concen: 9.781 ng
RT: 12.343 min Scan# 1273
Delta R.T. -0.026 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38



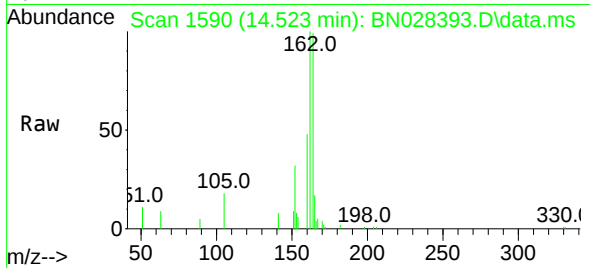
Tgt Ion:142 Resp: 257674
Ion Ratio Lower Upper
142 100
141 88.8 71.1 106.7
115 36.3 29.9 44.9





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.523 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

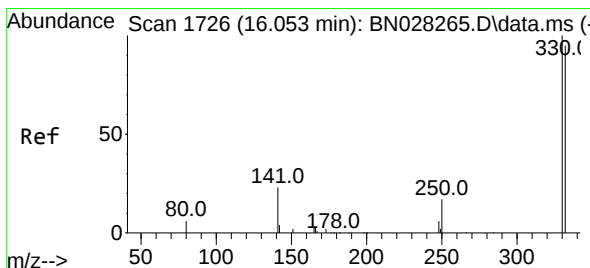
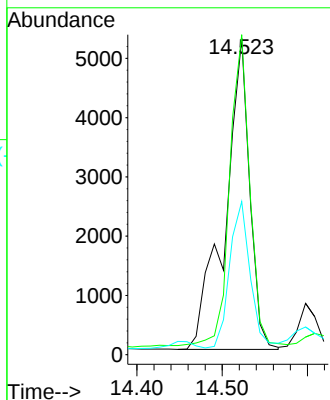
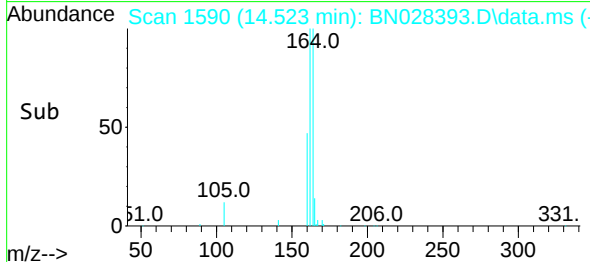
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



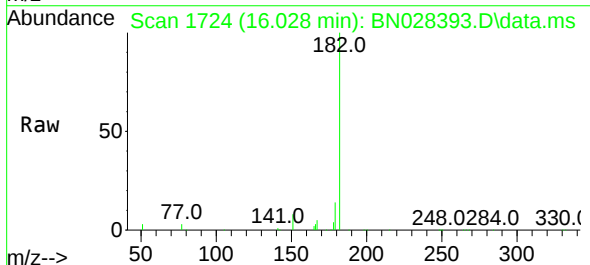
Tgt Ion:164 Resp: 10570
Ion Ratio Lower Upper
164 100
162 101.2 81.1 121.7
160 48.4 36.6 54.8

Manual Integrations
APPROVED

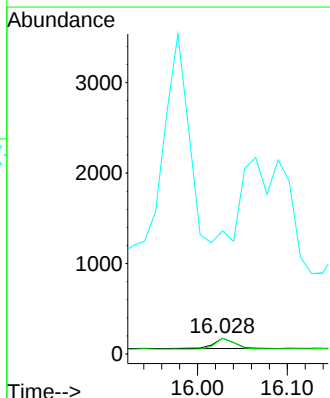
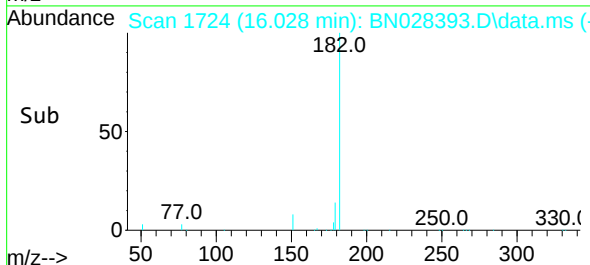
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

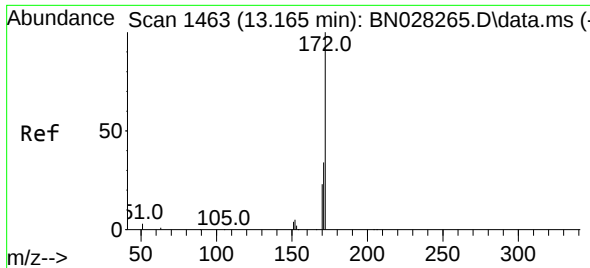


#14
2,4,6-Tribromophenol
Concen: 0.034 ng
RT: 16.028 min Scan# 1724
Delta R.T. -0.037 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38



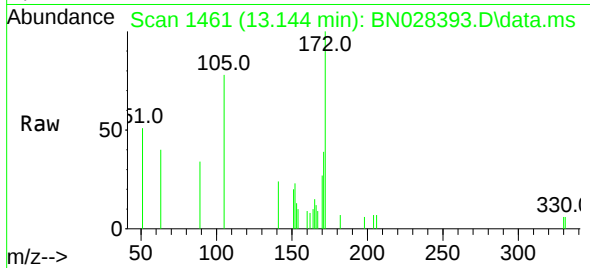
Tgt Ion:330 Resp: 174
Ion Ratio Lower Upper
330 100
332 102.3 74.1 111.1
141 0.0 32.1 48.1#





#15
2-Fluorobiphenyl
Concen: 0.035 ng
RT: 13.144 min Scan# 1461
Delta R.T. -0.021 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

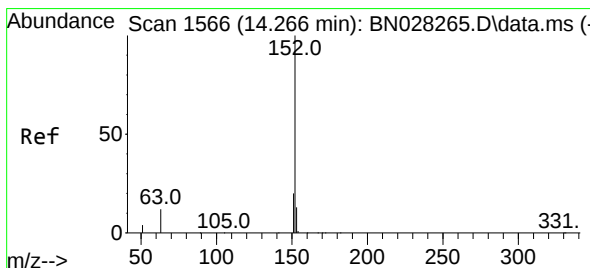
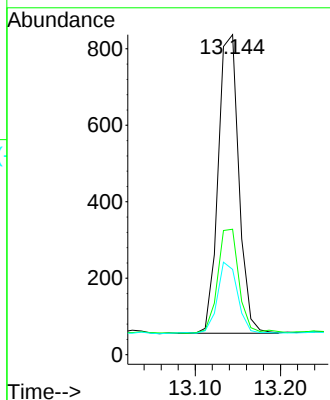
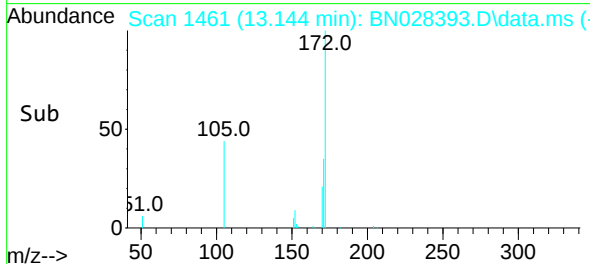
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:172 Resp: 1310
Ion Ratio Lower Upper
172 100
171 39.2 28.3 42.5
170 26.6 18.7 28.1

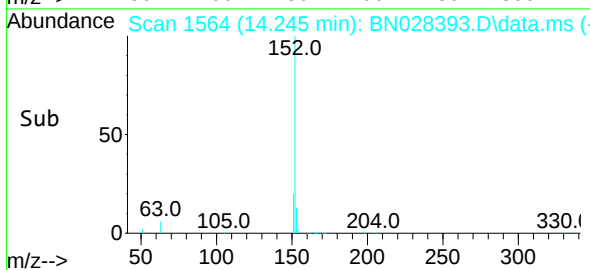
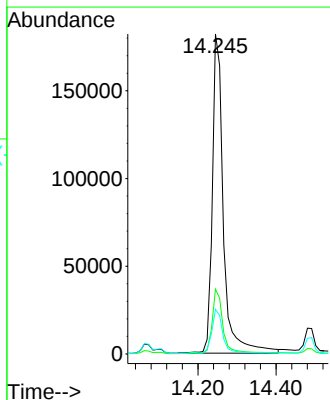
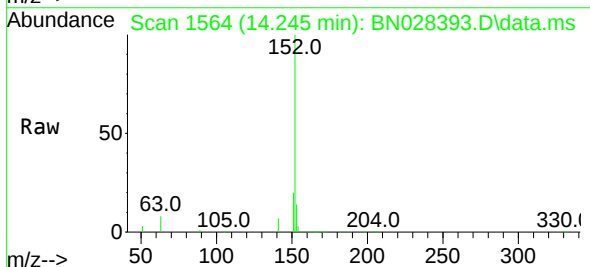
Manual Integrations
APPROVED

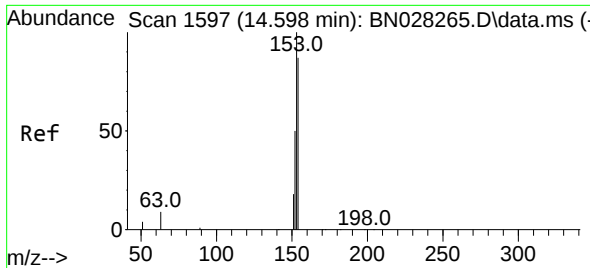
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#16
Acenaphthylene
Concen: 7.542 ng
RT: 14.245 min Scan# 1564
Delta R.T. -0.011 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

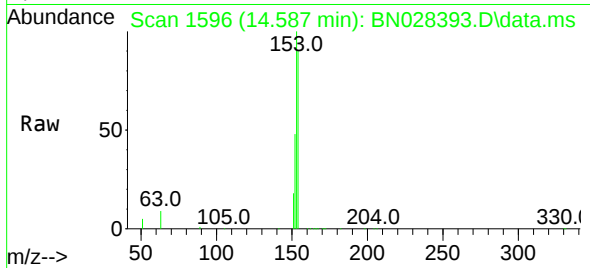
Tgt Ion:152 Resp: 358434
Ion Ratio Lower Upper
152 100
151 19.9 15.6 23.4
153 14.4 10.6 16.0





#17
Acenaphthene
Concen: 112.669 ng
RT: 14.587 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

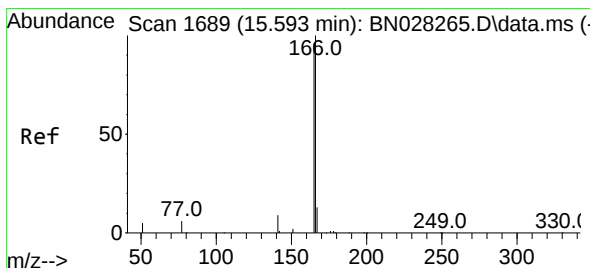
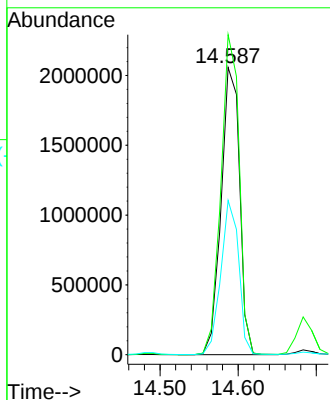
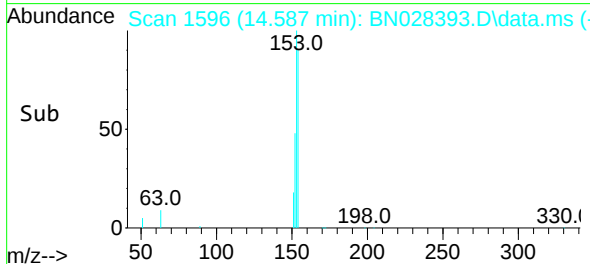
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



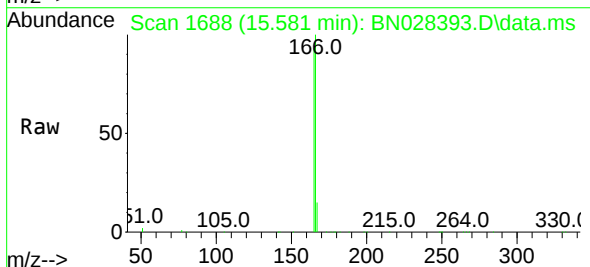
Tgt Ion:154 Resp: 337392
Ion Ratio Lower Upper
154 100
153 110.5 90.7 136.1
152 51.9 43.6 65.4

Manual Integrations
APPROVED

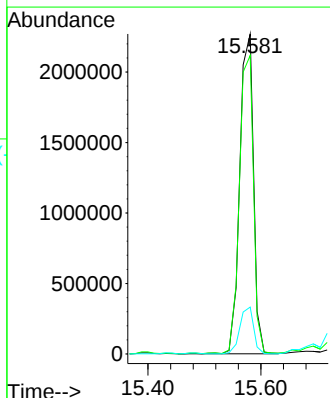
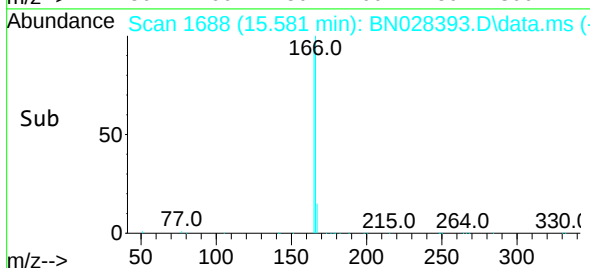
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

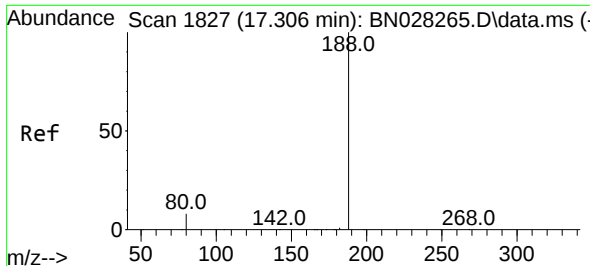


#18
Fluorene
Concen: 92.871 ng
RT: 15.581 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38



Tgt Ion:166 Resp: 3660827
Ion Ratio Lower Upper
166 100
165 98.9 79.3 118.9
167 15.4 10.9 16.3





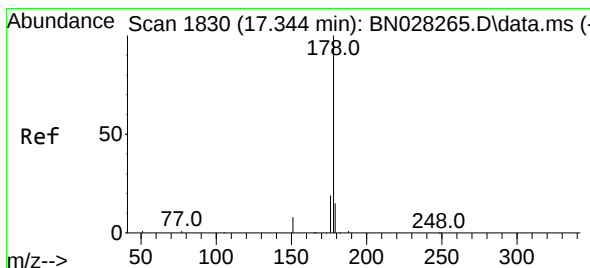
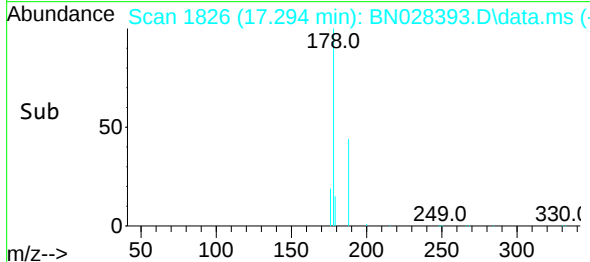
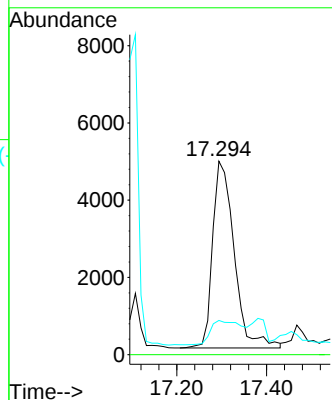
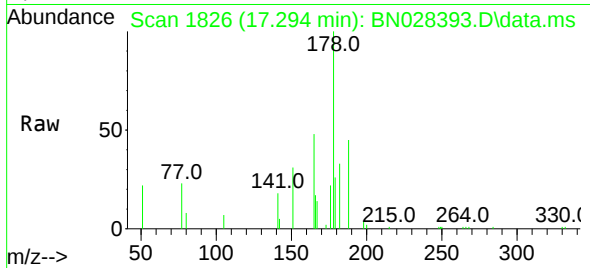
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.294 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

Instrument :
BNA_N
ClientSampleId :
A-5(0-2)

Tgt Ion:188 Resp: 1614
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.7 7.1 10.7

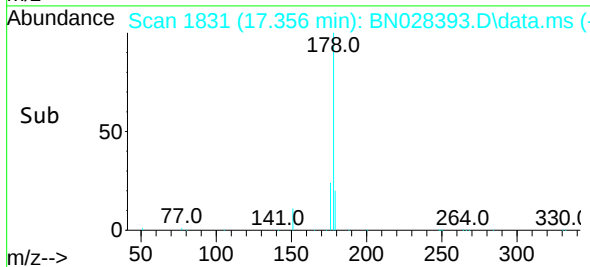
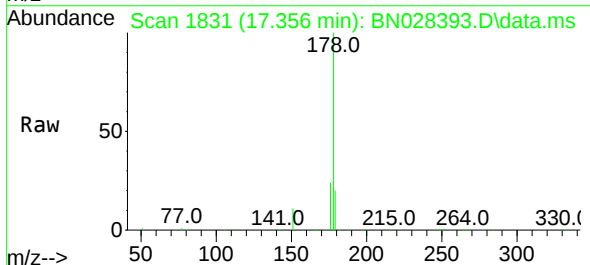
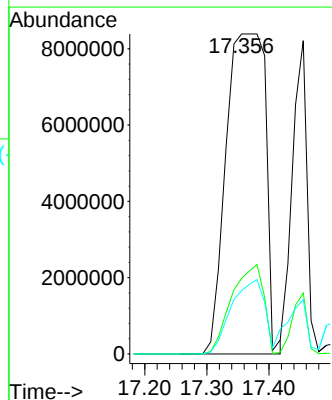
Manual Integrations
APPROVED

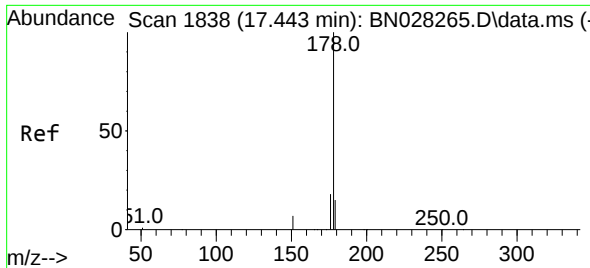
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#25
Phenanthrene
Concen: 834.923 ng
RT: 17.356 min Scan# 1831
Delta R.T. 0.025 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

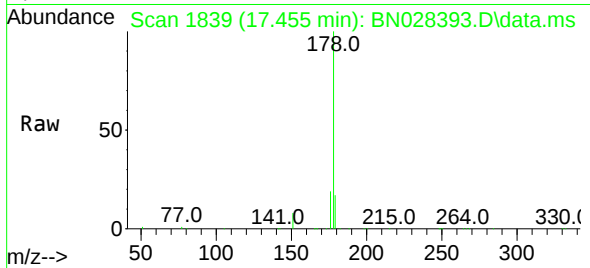
Tgt Ion:178 Resp:36905247
Ion Ratio Lower Upper
178 100
176 0.0 15.3 22.9#
179 0.0 12.5 18.7#





#26
 Anthracene
 Concen: 326.813 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.025 min
 Lab File: BN028393.D
 Acq: 25 Oct 2023 02:38

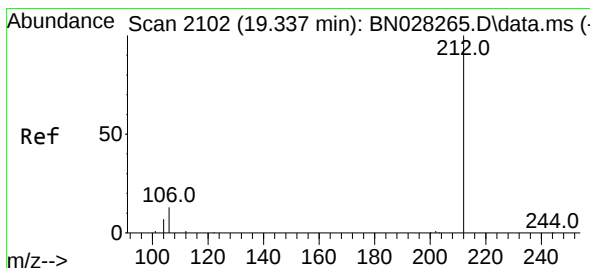
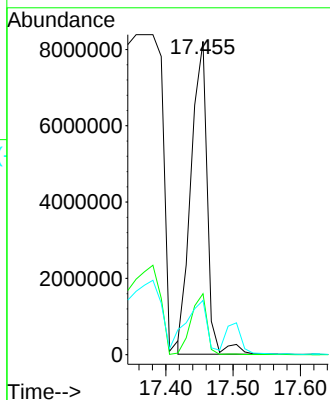
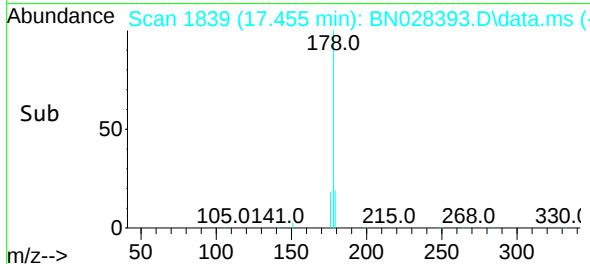
Instrument :
 BNA_N
 ClientSampleId :
 A-5(0-2)



Tgt Ion:178 Resp:1379717
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 22.0
 179 20.4 12.2 18.4

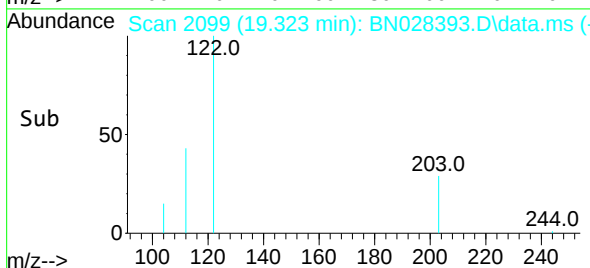
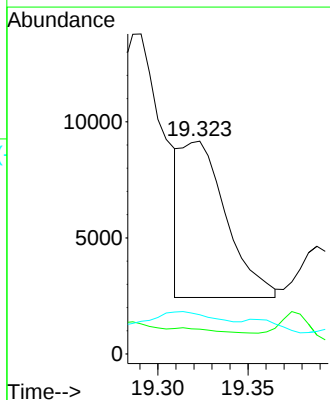
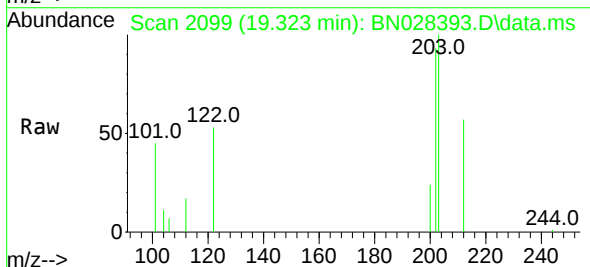
Manual Integrations
 APPROVED

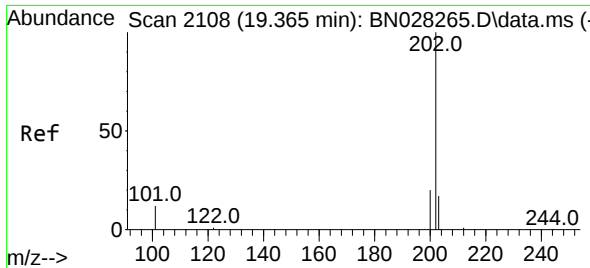
Reviewed By :Yogesh Patel 10/25/2023
 Supervised By :mohammad ahmed 10/25/2023



#27
 Fluoranthene-d10
 Concen: 0.270 ng m
 RT: 19.323 min Scan# 2099
 Delta R.T. -0.005 min
 Lab File: BN028393.D
 Acq: 25 Oct 2023 02:38

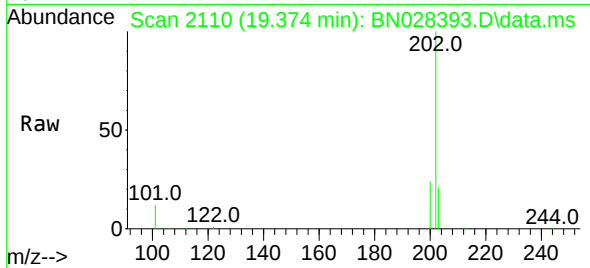
Tgt Ion:212 Resp: 11677
 Ion Ratio Lower Upper
 212 100
 106 2.6 11.5 17.3#
 104 0.0 6.7 10.1#





#28
Fluoranthene
Concen: 774.535 ng m
RT: 19.374 min Scan# 2108
Delta R.T. 0.019 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

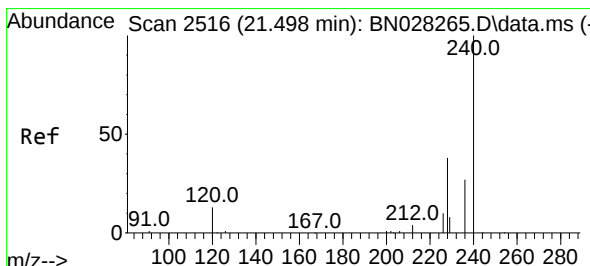
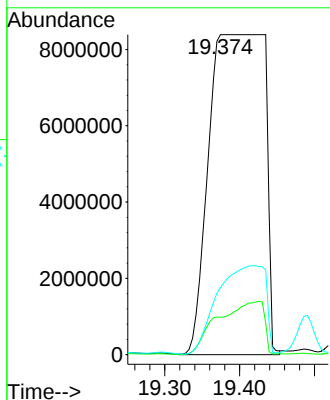
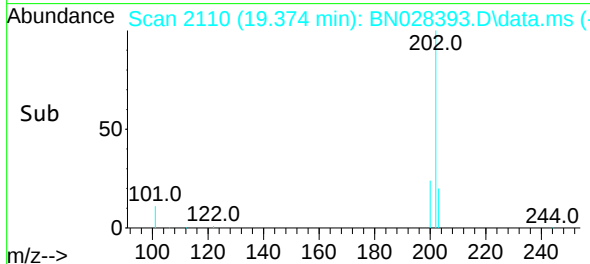
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:202 Resp:4301036
Ion Ratio Lower Upper
202 100
101 0.0 10.1 15.1
203 0.0 13.9 20.9

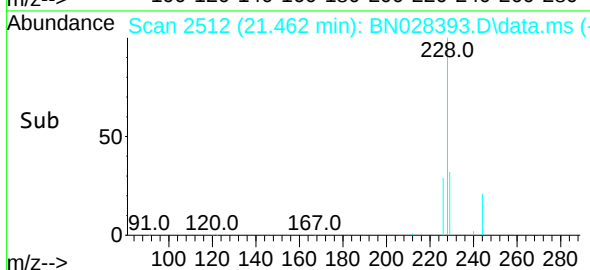
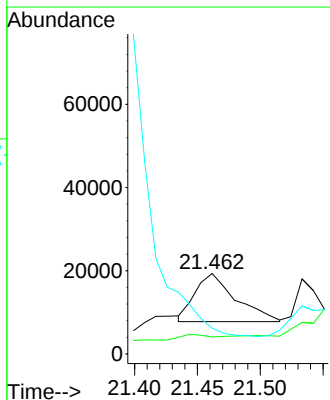
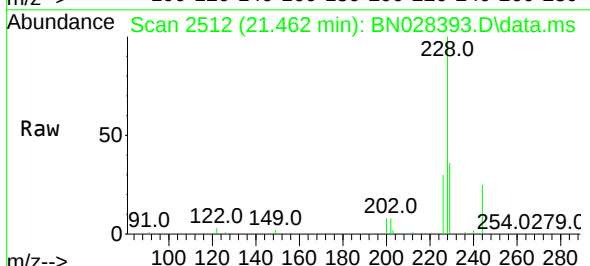
Manual Integrations
APPROVED

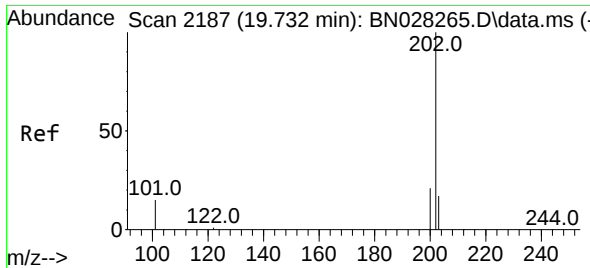
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.462 min Scan# 2512
Delta R.T. -0.027 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

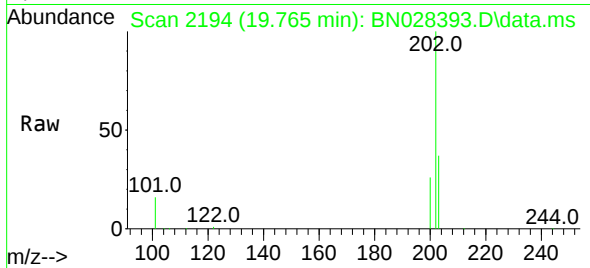
Tgt Ion:240 Resp: 26084
Ion Ratio Lower Upper
240 100
120 21.1 13.4 20.0#
236 32.3 22.7 34.1





#30
Pyrene
Concen: 432.355 ng m
RT: 19.765 min Scan# 2187
Delta R.T. 0.037 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

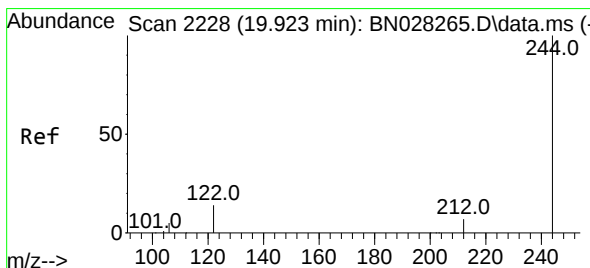
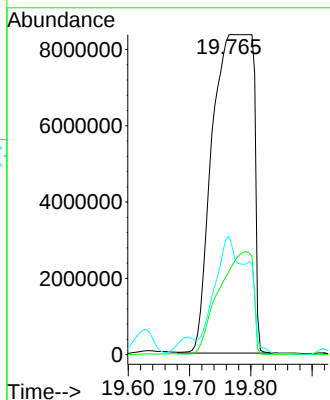
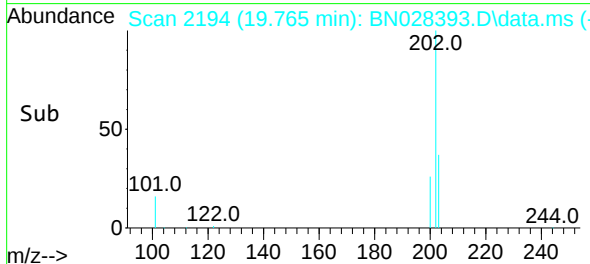
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



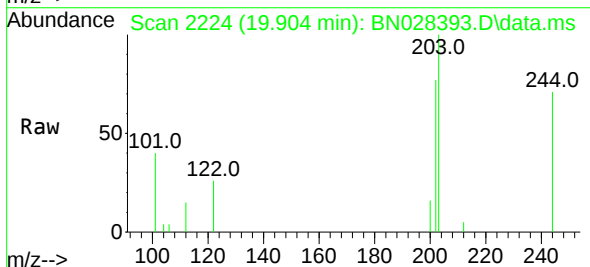
Tgt Ion:202 Resp:38589704
Ion Ratio Lower Upper
202 100
200 0.0 16.7 25.1#
203 3.6 14.5 21.7#

Manual Integrations
APPROVED

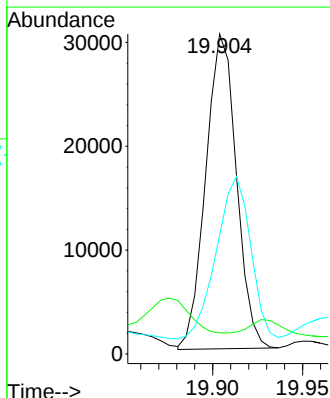
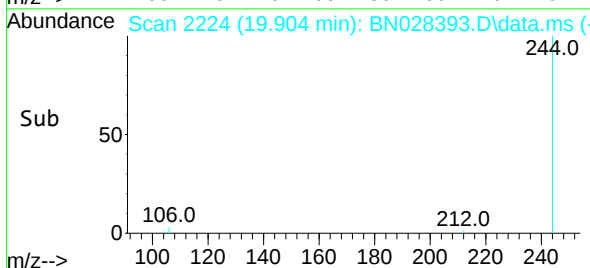
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023

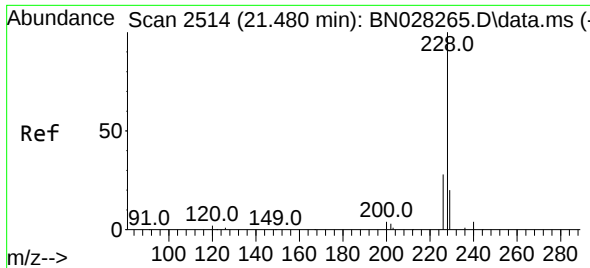


#31
Terphenyl-d14
Concen: 0.649 ng
RT: 19.904 min Scan# 2224
Delta R.T. -0.014 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38



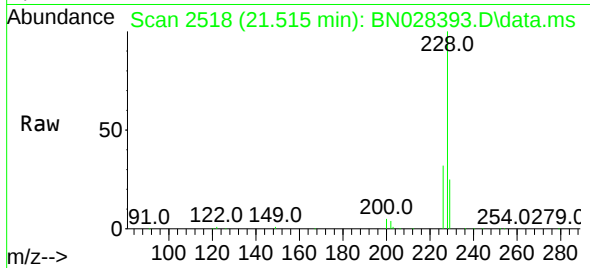
Tgt Ion:244 Resp: 35958
Ion Ratio Lower Upper
244 100
212 6.6 6.6 10.0#
122 37.1 11.7 17.5#





#32
Benzo(a)anthracene
Concen: 333.735 ng m
RT: 21.515 min Scan# 21515
Delta R.T. 0.045 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

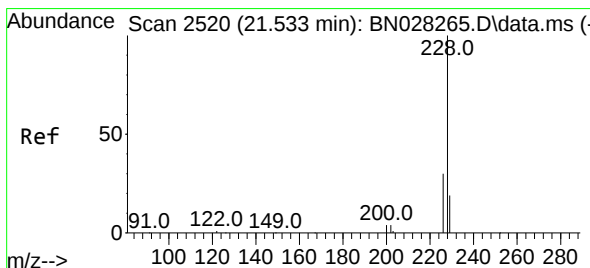
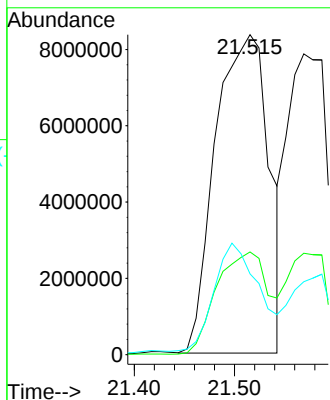
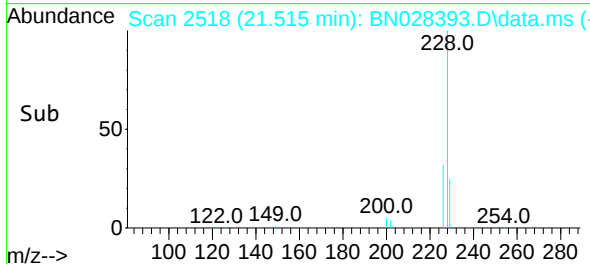
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:228 Resp:3092484
Ion Ratio Lower Upper
228 100
226 32.1 22.9 34.3
229 25.3 16.6 24.8

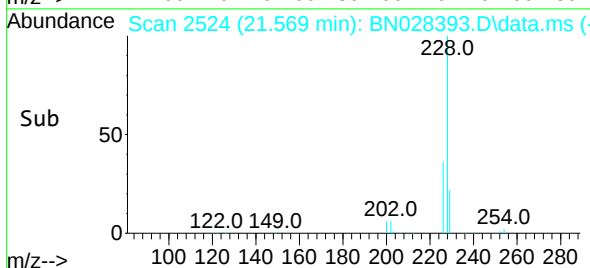
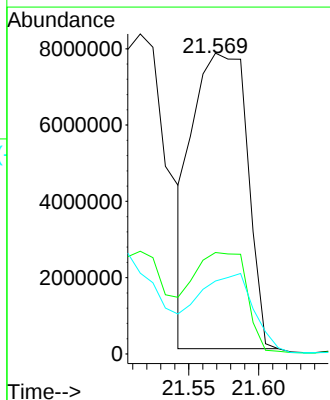
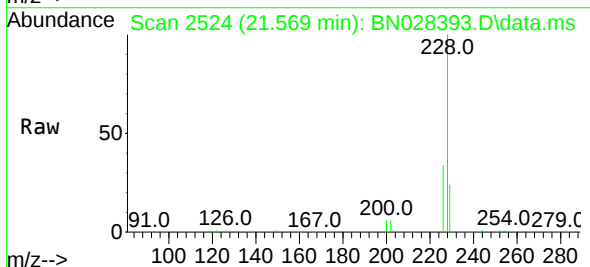
Manual Integrations
APPROVED

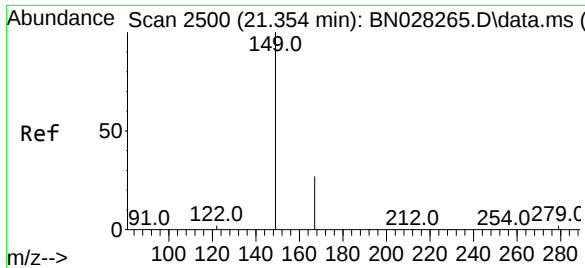
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#33
Chrysene
Concen: 235.629 ng
RT: 21.569 min Scan# 2524
Delta R.T. 0.045 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

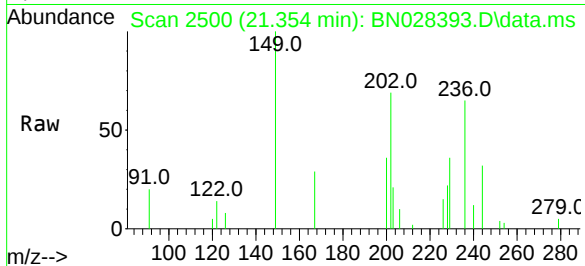
Tgt Ion:228 Resp:20897336
Ion Ratio Lower Upper
228 100
226 33.7 25.2 37.8
229 24.2 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.990 ng m
RT: 21.354 min Scan# 2137
Delta R.T. 0.009 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

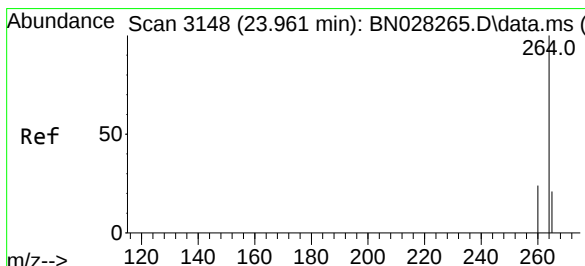
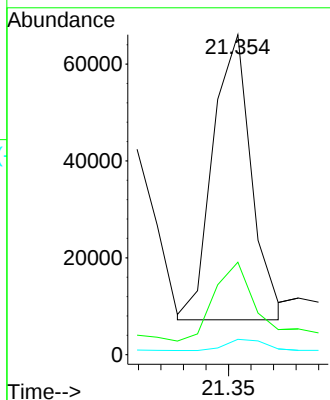
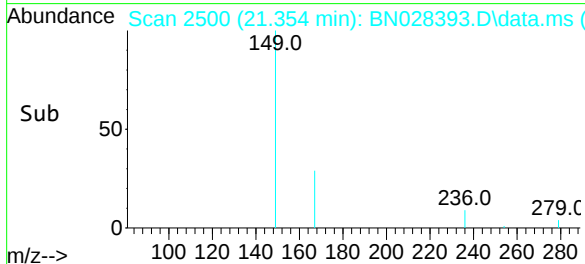
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:149 Resp: 70110
Ion Ratio Lower Upper
149 100
167 2.8 22.6 34.0
279 2.7 4.2 6.2

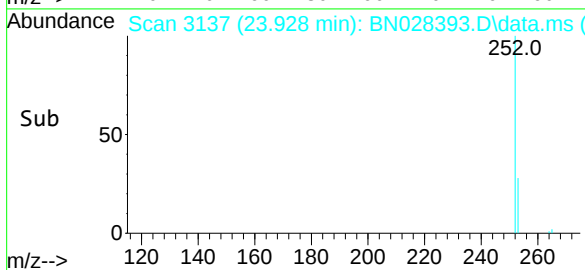
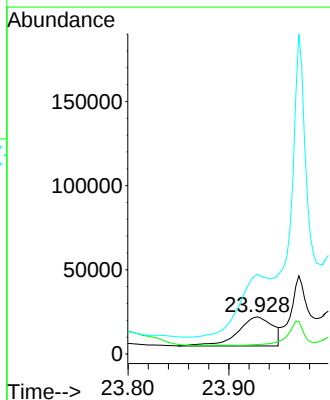
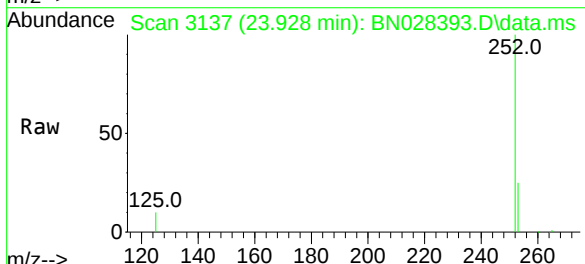
Manual Integrations
APPROVED

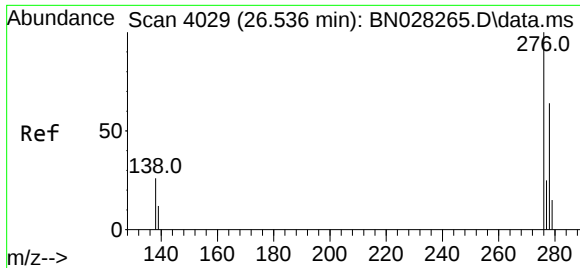
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.928 min Scan# 3137
Delta R.T. -0.009 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

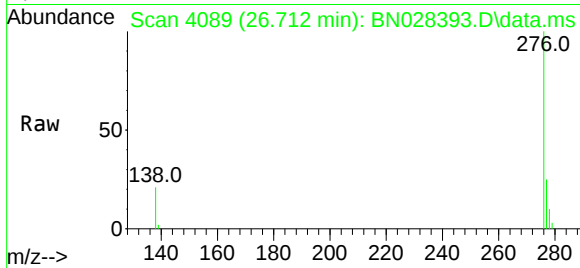
Tgt Ion:264 Resp: 41396
Ion Ratio Lower Upper
264 100
260 25.5 20.7 31.1
265 215.3 38.3 57.5





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 172.707 ng m
 RT: 26.712 min Scan# 4029
 Delta R.T. 0.208 min
 Lab File: BN028393.D
 Acq: 25 Oct 2023 02:38

Instrument :
 BNA_N
 ClientSampleId :
 A-5(0-2)

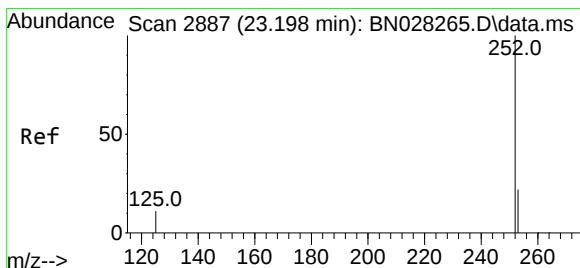
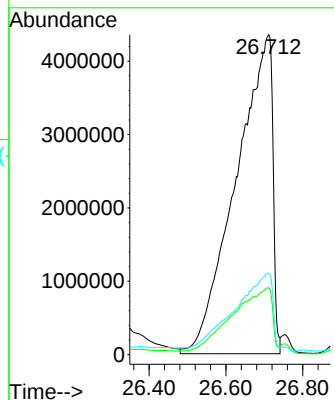


Tgt Ion: 276 Resp: 2882356

Ion	Ratio	Lower	Upper
276	100		
138	0.0	21.3	31.9
277	0.0	20.0	30.0

Manual Integrations
 APPROVED

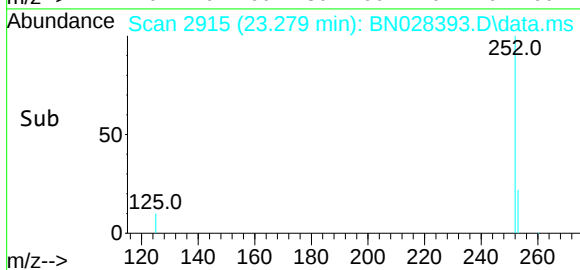
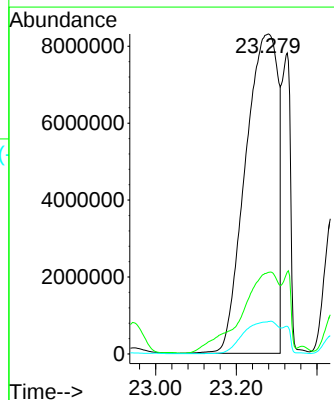
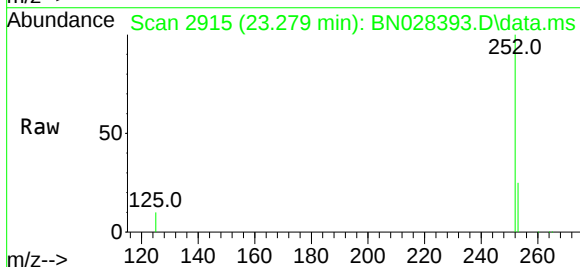
Reviewed By : Yogesh Patel 10/25/2023
 Supervised By : mohammad ahmed 10/25/2023

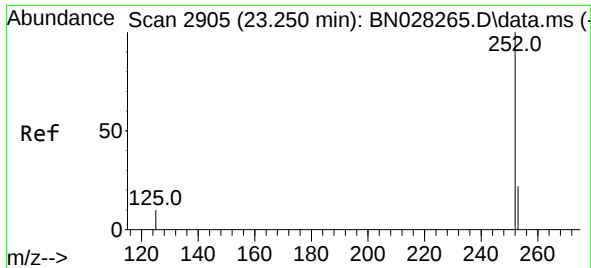


#37
 Benzo(b)fluoranthene
 Concen: 359.107 ng
 RT: 23.279 min Scan# 2915
 Delta R.T. 0.102 min
 Lab File: BN028393.D
 Acq: 25 Oct 2023 02:38

Tgt Ion: 252 Resp: 46465811

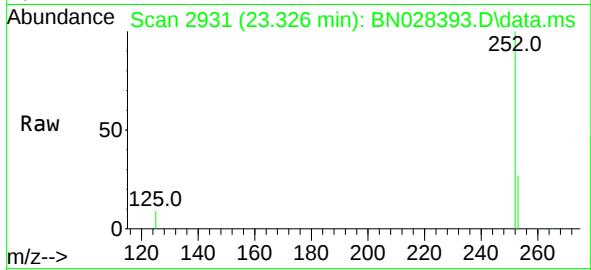
Ion	Ratio	Lower	Upper
252	100		
253	25.5	21.8	32.8
125	10.1	15.6	23.4





#38
Benzo(k)fluoranthene
Concen: 99.090 ng m
RT: 23.326 min Scan# 2905
Delta R.T. 0.099 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

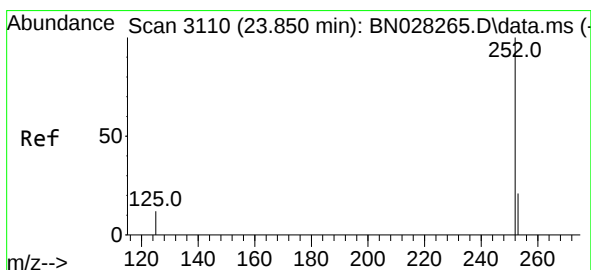
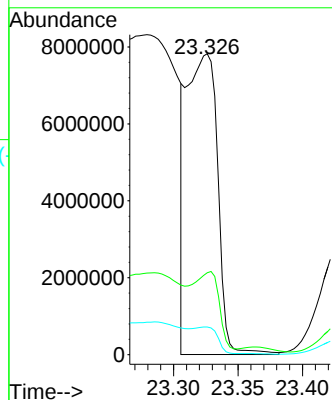
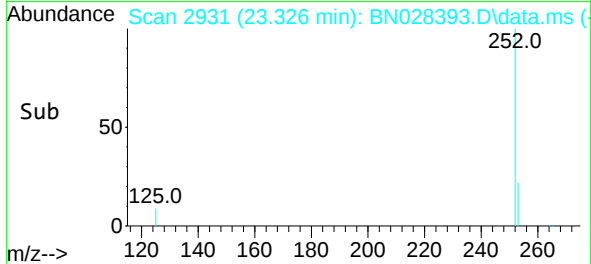
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:252 Resp:1304298
Ion Ratio Lower Upper
252 100
253 27.2 22.0 33.0
125 9.2 15.3 22.9

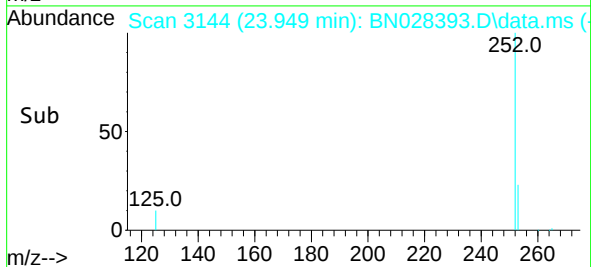
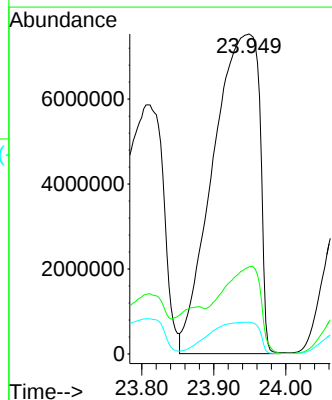
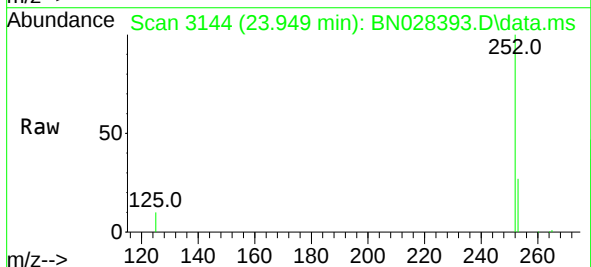
Manual Integrations
APPROVED

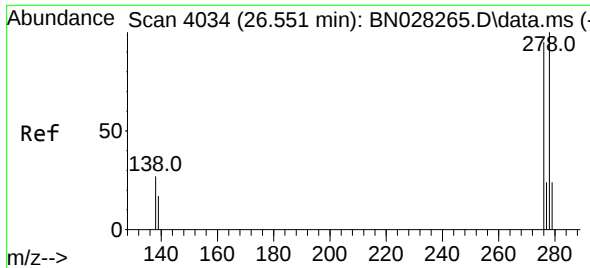
Reviewed By :Yogesh Patel 10/25/2023
Supervised By :mohammad ahmed 10/25/2023



#39
Benzo(a)pyrene
Concen: 262.835 ng m
RT: 23.949 min Scan# 3144
Delta R.T. 0.120 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

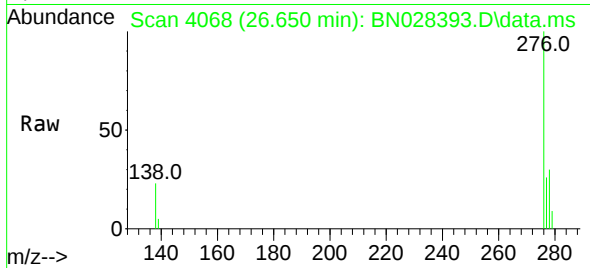
Tgt Ion:252 Resp:33831119
Ion Ratio Lower Upper
252 100
253 27.2 22.7 34.1
125 9.9 17.0 25.6





#40
Dibenzo(a,h)anthracene
Concen: 41.777 ng m
RT: 26.650 min Scan# 4034
Delta R.T. 0.132 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

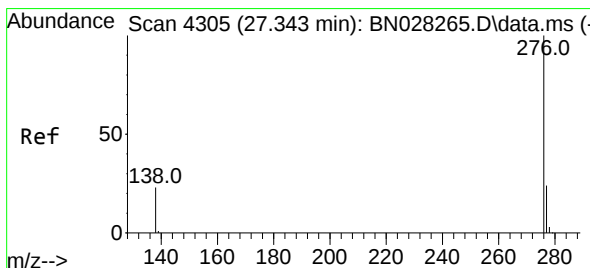
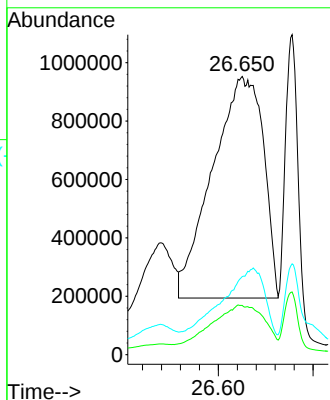
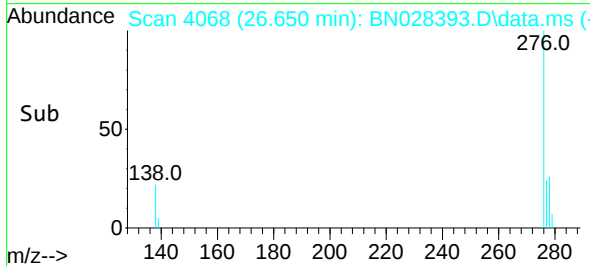
Instrument :
BNA_N
ClientSampleId :
A-5(0-2)



Tgt Ion:278 Resp: 566041
Ion Ratio Lower Upper
278 100
139 17.7 18.8 28.2
279 28.0 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: 185.103 ng
RT: 27.551 min Scan# 4376
Delta R.T. 0.246 min
Lab File: BN028393.D
Acq: 25 Oct 2023 02:38

Tgt Ion:276 Resp:25893848
Ion Ratio Lower Upper
276 100
277 27.7 21.7 32.5
138 23.7 21.7 32.5

