

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028933.D
 Acq On : 01 Dec 2023 05:21
 Operator : MA/JU
 Sample : 05312-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-03

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Dec 01 05:54:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	5258	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	15110	0.400	ng	# 0.00
13) Acenaphthene-d10	14.428	164	10606	0.400	ng	0.00
19) Phenanthrene-d10	17.184	188	11576	0.400	ng	# 0.00
29) Chrysene-d12	21.392	240	6487m	0.400	ng	0.02
35) Perylene-d12	23.740	264	10131	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	3767	0.236	ng	-0.01
5) Phenol-d6	7.031	99	4496	0.255	ng	-0.01
8) Nitrobenzene-d5	8.982	82	3205	0.213	ng	0.00
11) 2-Methylnaphthalene-d10	12.182	152	5155	0.213	ng	0.00
14) 2,4,6-Tribromophenol	15.930	330	390	0.054	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	6475	0.141	ng	-0.01
27) Fluoranthene-d10	19.227	212	3342	0.110	ng	0.01
31) Terphenyl-d14	19.822	244	7634	0.408	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.658	128	13981766	291.187	ng	100
12) 2-Methylnaphthalene	12.257	142	1255197	41.602	ng	98
16) Acenaphthylene	14.161	152	1812348	32.257	ng	100
17) Acenaphthene	14.492	154	253793	6.805	ng	99
18) Fluorene	15.487	166	1955216	41.416	ng	99
25) Phenanthrene	17.246	178	10248927	268.146	ng	98
26) Anthracene	17.320	178	2873061	81.323	ng	98
28) Fluoranthene	19.269	202	9313327m	234.324	ng	
30) Pyrene	19.631	202	7342145	148.032	ng	97
32) Benzo(a)anthracene	21.374	228	3370289	122.194	ng	99
33) Chrysene	21.427	228	2579002	95.235	ng	94
34) Bis(2-ethylhexyl)phtha...	21.311	149	22036	0.585	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.181	276	1362055	30.854	ng	# 90
37) Benzo(b)fluoranthene	23.038	252	3187603	76.908	ng	# 24
38) Benzo(k)fluoranthene	23.076	252	1129731m	28.890	ng	
39) Benzo(a)pyrene	23.646	252	2380691	64.310	ng	# 16
40) Dibenzo(a,h)anthracene	26.184	278	342730	10.032	ng	# 28
41) Benzo(g,h,i)perylene	26.927	276	1206292	31.391	ng	# 67

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

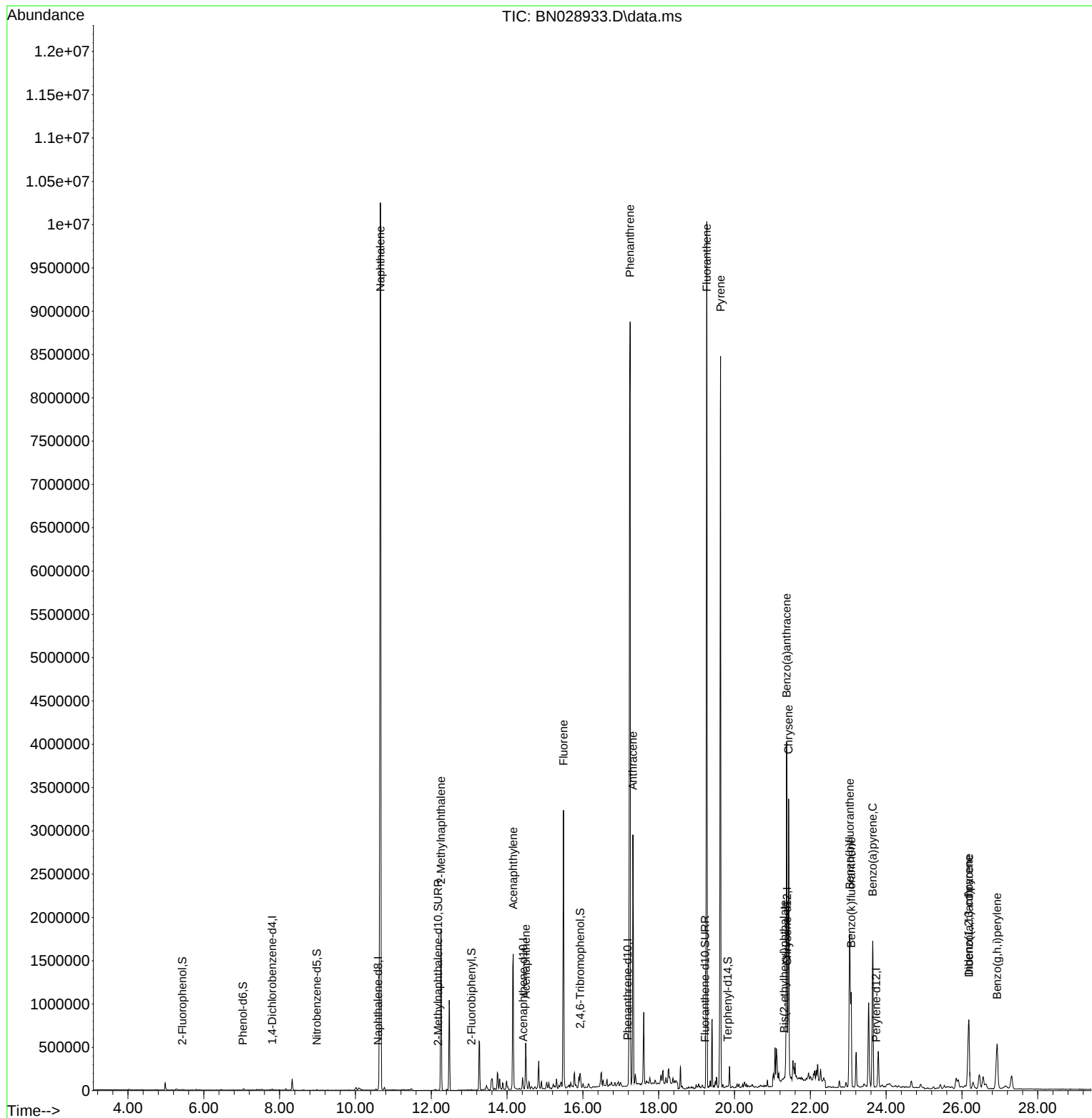
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
Data File : BN028933.D
Acq On : 01 Dec 2023 05:21
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ALS Vial : 23 Sample Multiplier: 1

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Supervised By :mohammad ahmed 12/01/2023





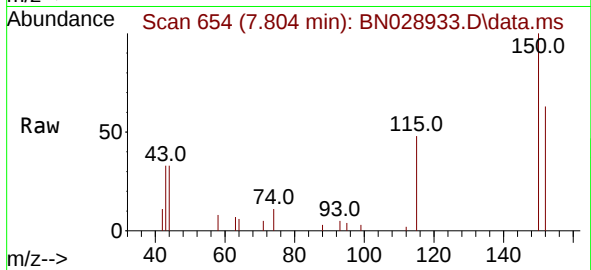
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.804 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Instrument :

BNA_N

ClientSampleId :

DUP-03

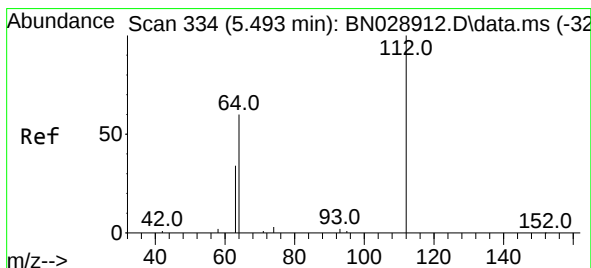
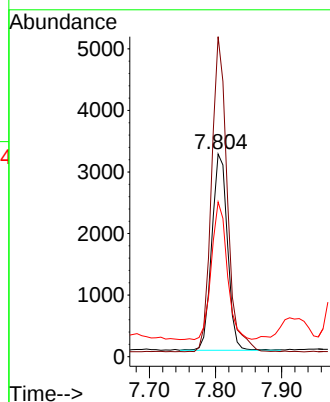
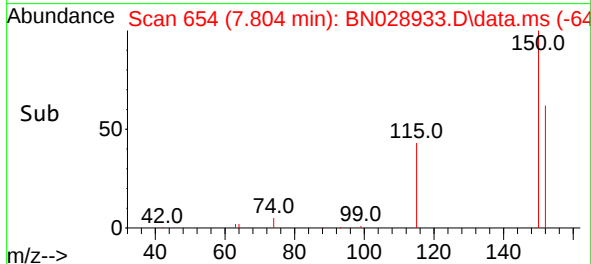


Tgt Ion:152 Resp: 5258
Ion Ratio Lower Upper
152 100
150 157.8 123.4 185.2
115 76.3 59.1 88.7

Manual Integrations

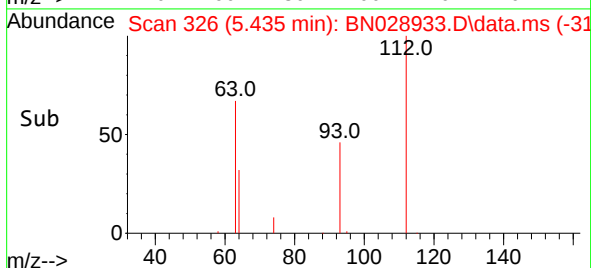
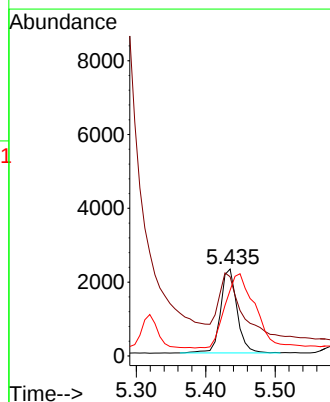
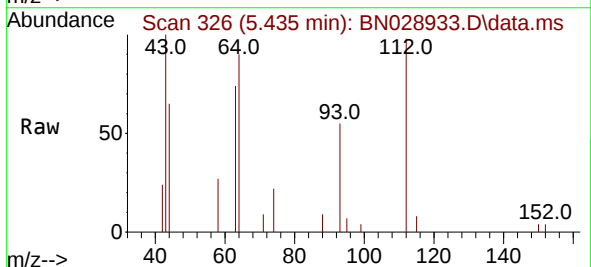
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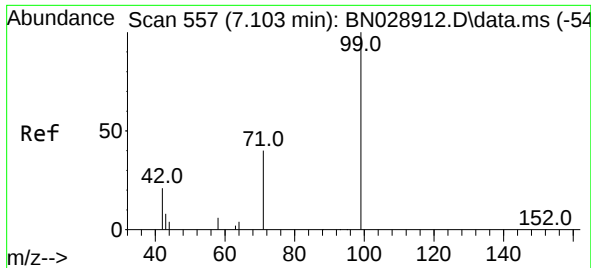
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#4
2-Fluorophenol
Concen: 0.236 ng
RT: 5.435 min Scan# 326
Delta R.T. -0.014 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

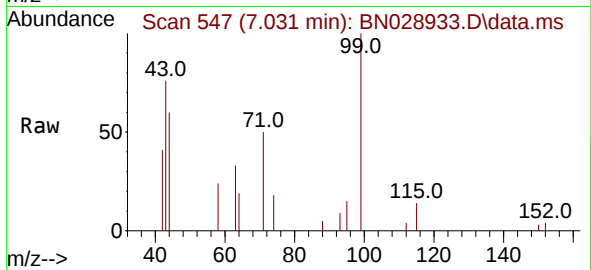
Tgt Ion:112 Resp: 3767
Ion Ratio Lower Upper
112 100
64 112.5 51.5 77.3#
63 0.0 30.4 45.6#





#5
Phenol-d6
Concen: 0.255 ng
RT: 7.031 min Scan# 547
Delta R.T. -0.014 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

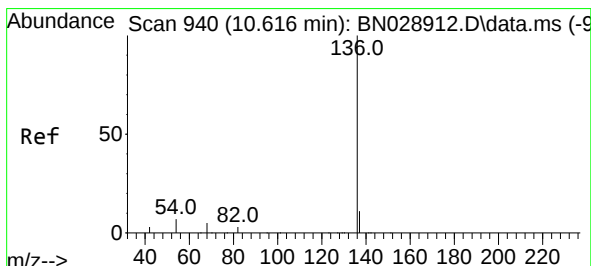
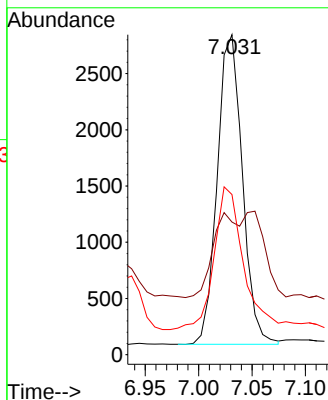
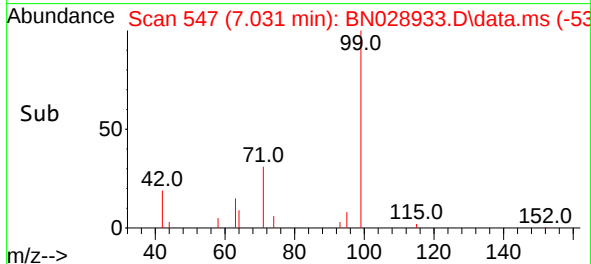
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 4490
Ion Ratio Lower Upper
99 100
42 29.0 21.2 31.8
71 56.5 35.4 53.0

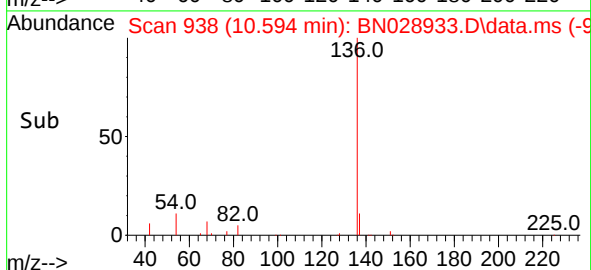
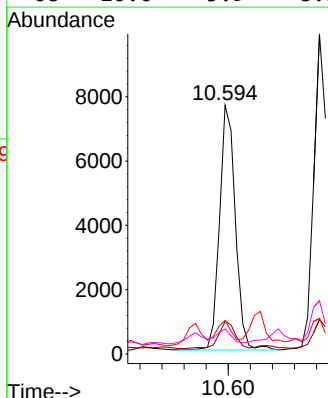
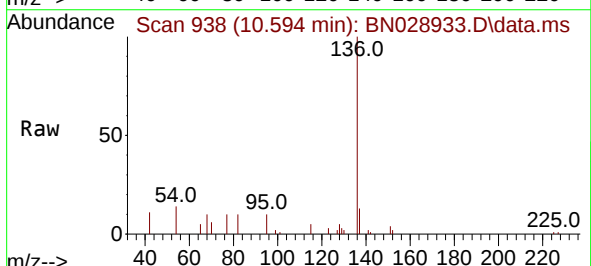
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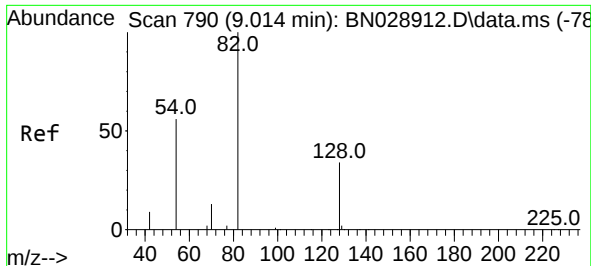
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Tgt Ion:136 Resp: 15110
Ion Ratio Lower Upper
136 100
137 13.1 10.6 16.0
54 13.5 7.5 11.3#
68 10.0 5.9 8.9#





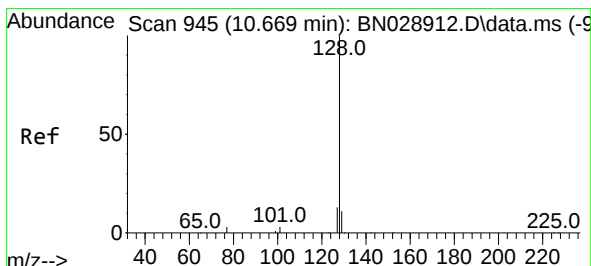
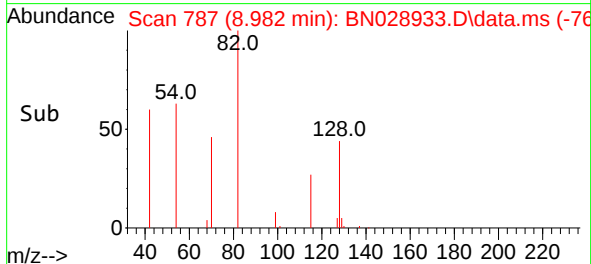
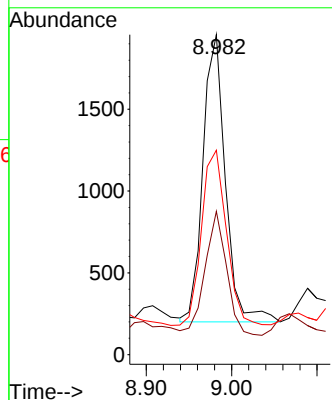
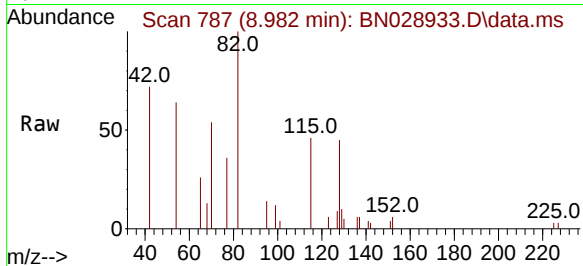
#8
Nitrobenzene-d5
Concen: 0.213 ng
RT: 8.982 min Scan# 790
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Instrument :
BNA_N
ClientSampleId :
DUP-03

Tgt Ion: 82 Resp: 320
Ion Ratio Lower Upper
82 100
128 44.8 29.2 43.8
54 63.9 47.0 70.6

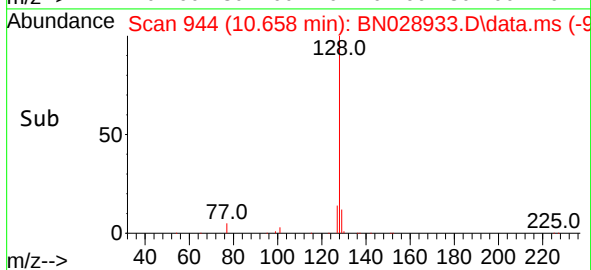
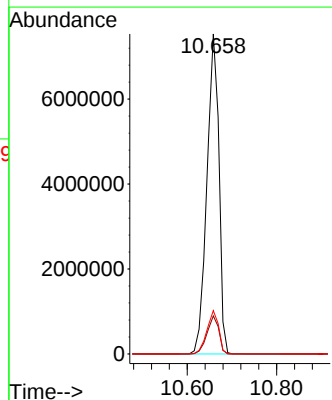
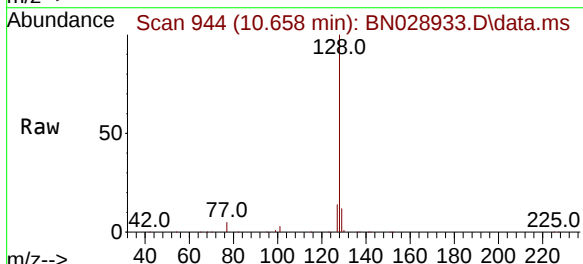
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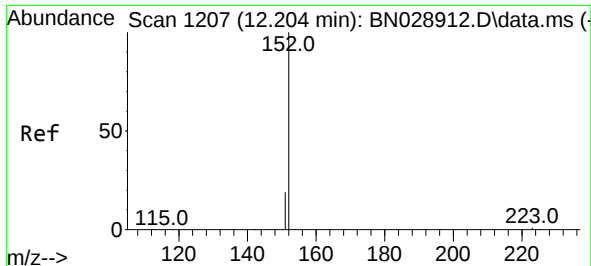
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#9
Naphthalene
Concen: 291.187 ng
RT: 10.658 min Scan# 944
Delta R.T. 0.011 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Tgt Ion:128 Resp:13981766
Ion Ratio Lower Upper
128 100
129 11.9 9.5 14.3
127 13.6 11.0 16.4





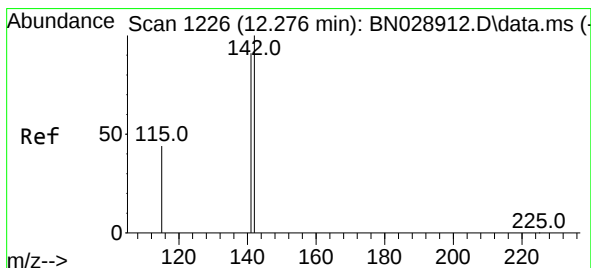
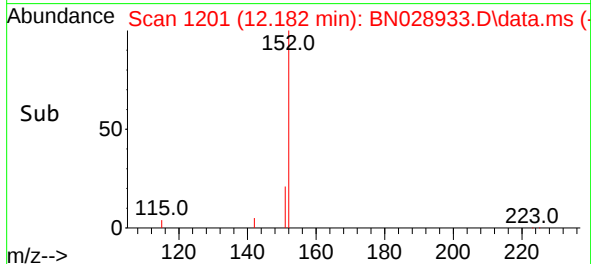
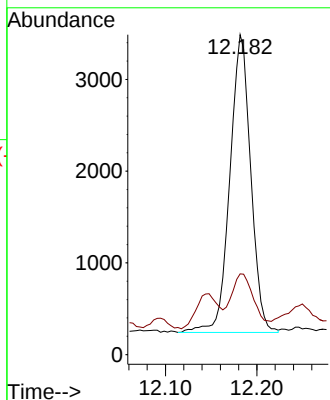
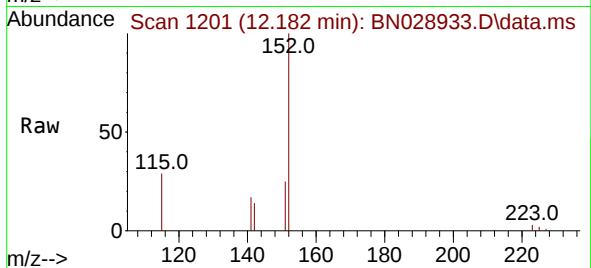
#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.182 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Instrument :
BNA_N
ClientSampleId :
DUP-03

Tgt Ion:152 Resp: 515
Ion Ratio Lower Upper
152 100
151 19.3 16.7 25.1

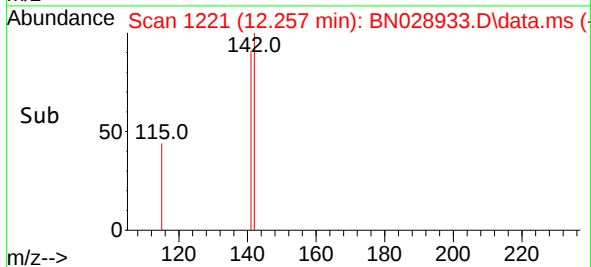
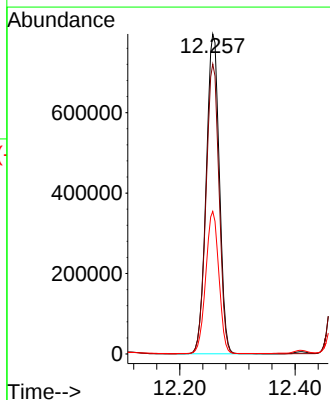
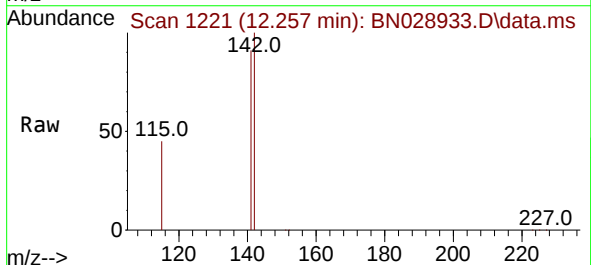
Manual Integrations
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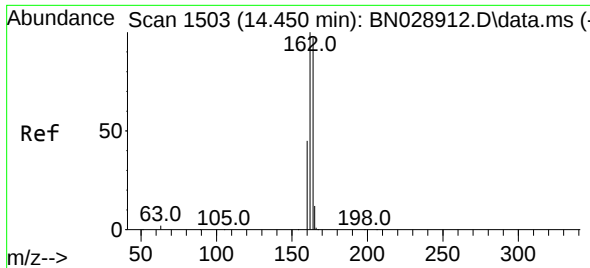
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#12
2-Methylnaphthalene
Concen: 41.602 ng
RT: 12.257 min Scan# 1221
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

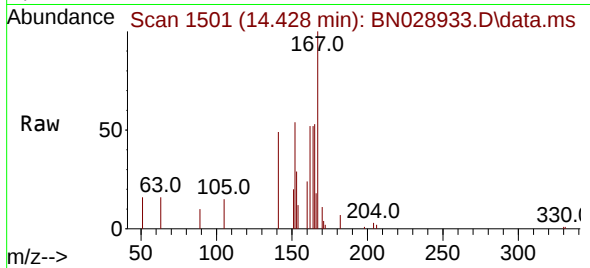
Tgt Ion:142 Resp: 1255197
Ion Ratio Lower Upper
142 100
141 90.6 73.1 109.7
115 44.5 37.6 56.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.428 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

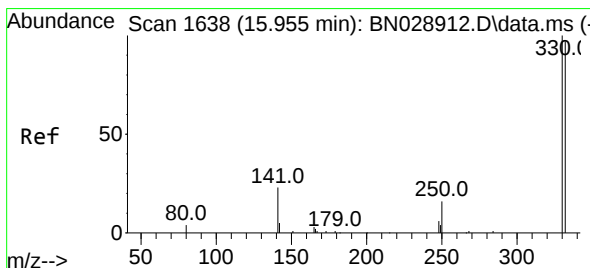
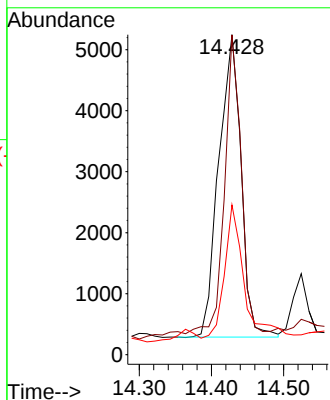
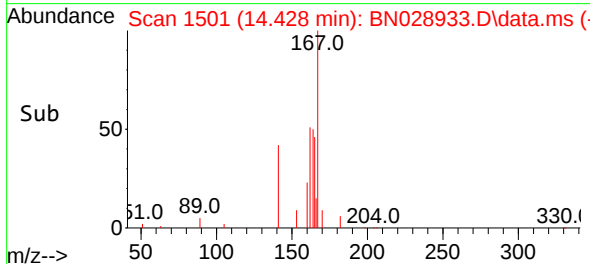
Instrument :
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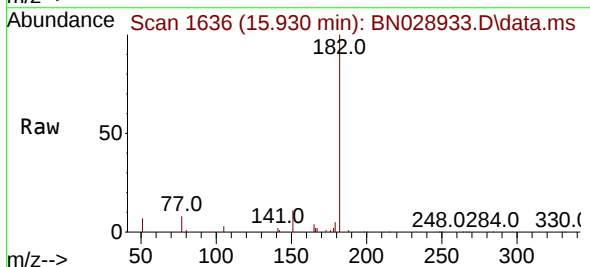
Tgt Ion:164 Resp: 10600
Ion Ratio Lower Upper
164 100
162 99.9 81.7 122.5
160 46.8 37.0 55.6

Manual Integrations
APPROVED

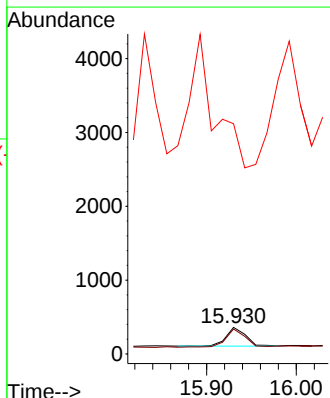
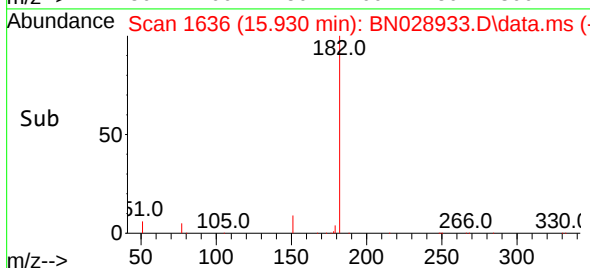
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Supervised By :mohammad ahmed 12/01/2023

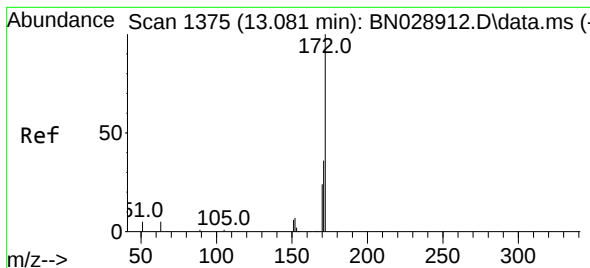


#14
2,4,6-Tribromophenol
Concen: 0.054 ng
RT: 15.930 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21



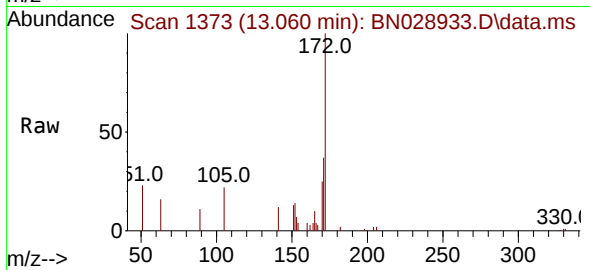
Tgt Ion:330 Resp: 390
Ion Ratio Lower Upper
330 100
332 97.2 75.4 113.2
141 0.0 35.7 53.5#





#15
2-Fluorobiphenyl
Concen: 0.141 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

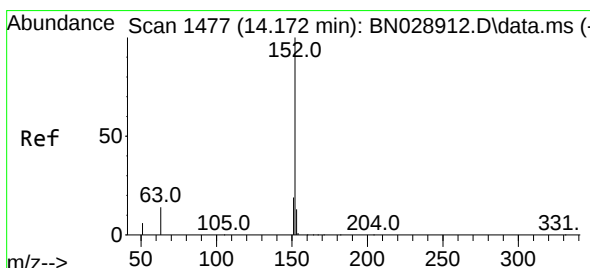
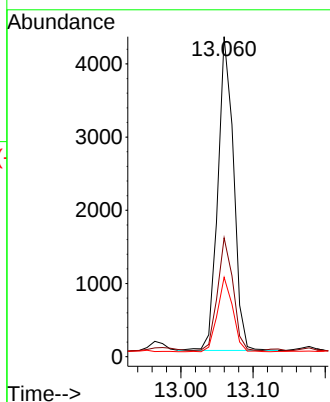
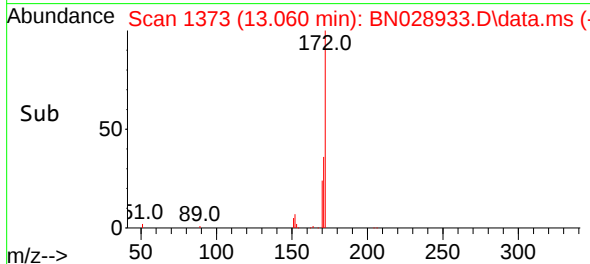
Instrument :
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DUP-03



Tgt Ion:172 Resp: 647
Ion Ratio Lower Upper
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171 37.1 29.0 43.4
170 24.8 19.7 29.5

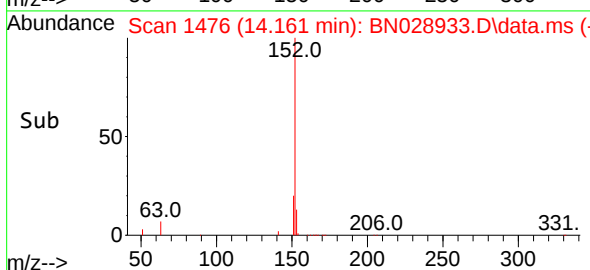
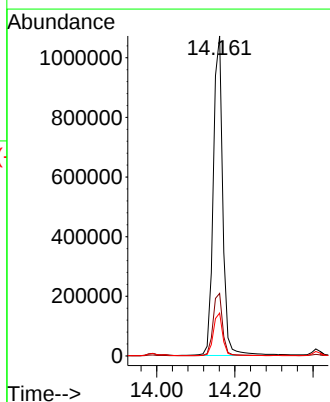
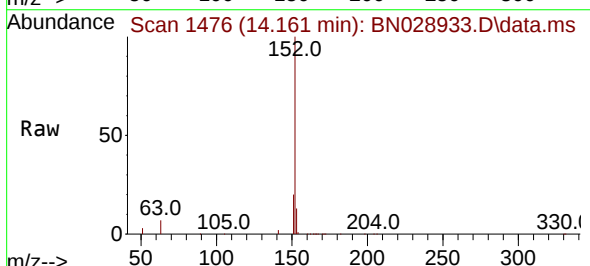
Manual Integrations
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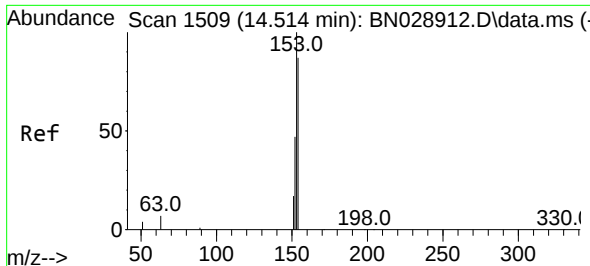
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#16
Acenaphthylene
Concen: 32.257 ng
RT: 14.161 min Scan# 1476
Delta R.T. 0.011 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

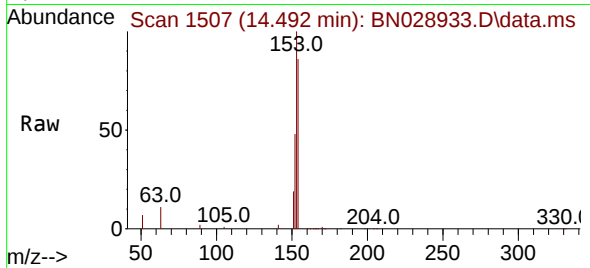
Tgt Ion:152 Resp: 1812348
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.3 10.8 16.2





#17
Acenaphthene
Concen: 6.805 ng
RT: 14.492 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

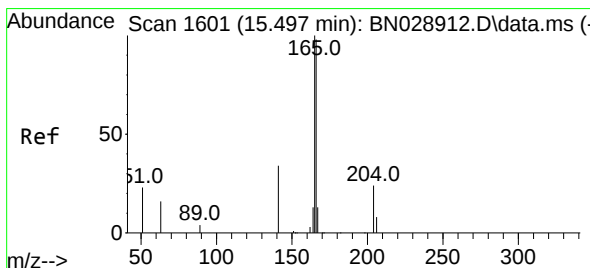
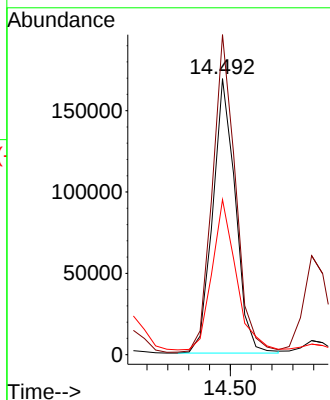
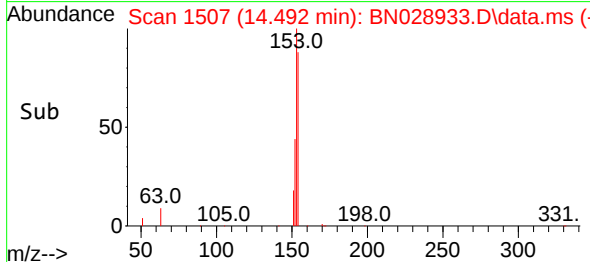
Instrument :
BNA_N
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Tgt Ion:154 Resp: 25379
Ion Ratio Lower Upper
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153 117.8 93.8 140.6
152 57.8 44.5 66.7

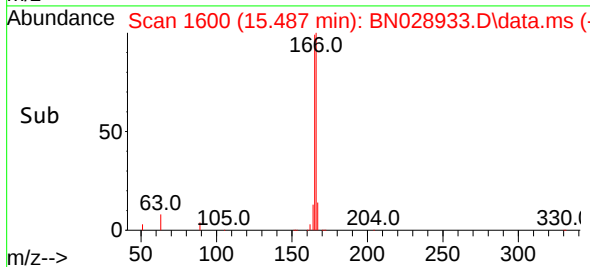
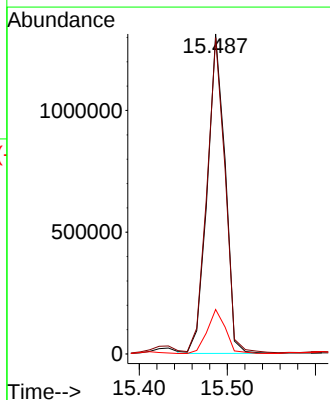
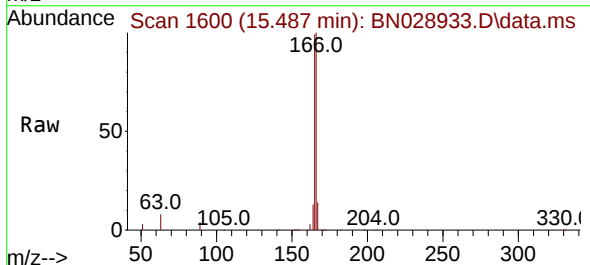
Manual Integrations
APPROVED

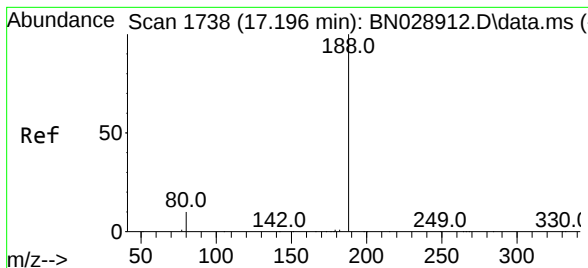
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#18
Fluorene
Concen: 41.416 ng
RT: 15.487 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Tgt Ion:166 Resp: 1955216
Ion Ratio Lower Upper
166 100
165 99.8 79.4 119.2
167 14.1 11.0 16.4





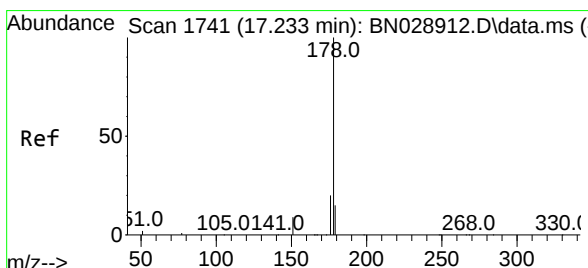
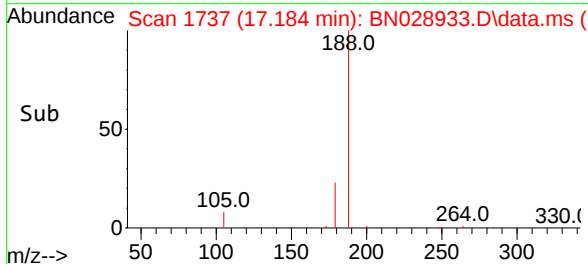
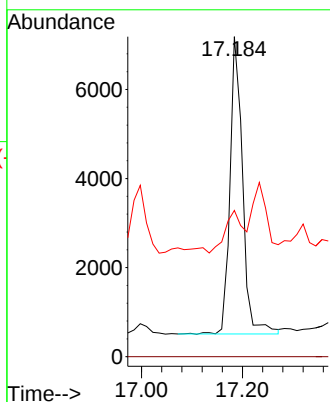
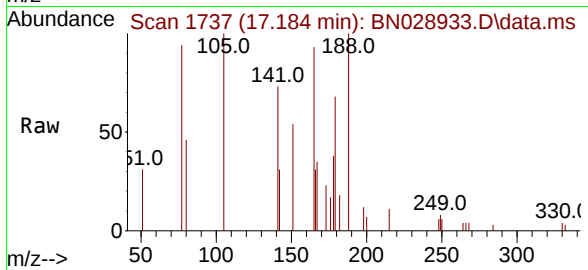
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.184 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Instrument :
BNA_N
ClientSampleId :
DUP-03

Tgt Ion:188 Resp: 11570
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 45.7 9.0 13.6

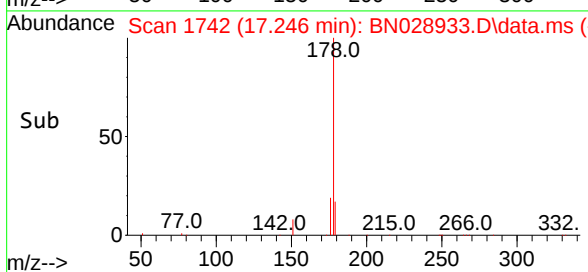
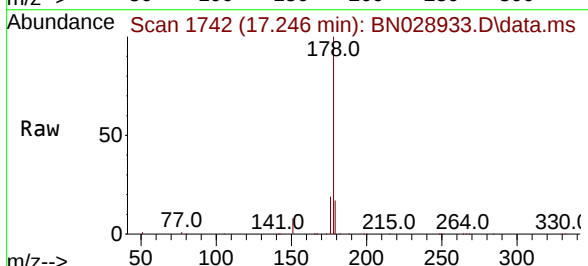
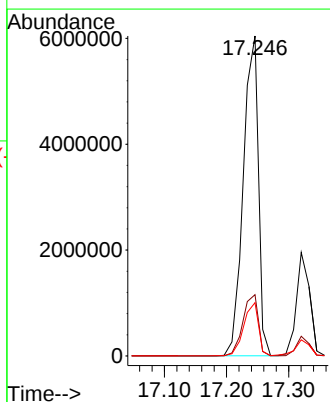
Manual Integrations
APPROVED

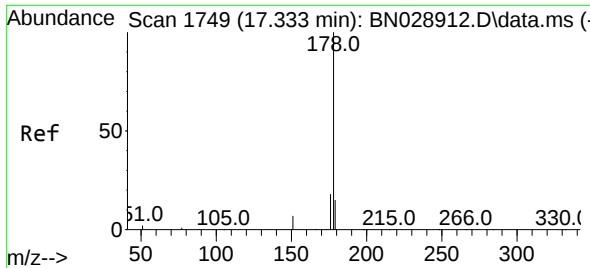
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#25
Phenanthrene
Concen: 268.146 ng
RT: 17.246 min Scan# 1742
Delta R.T. 0.025 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

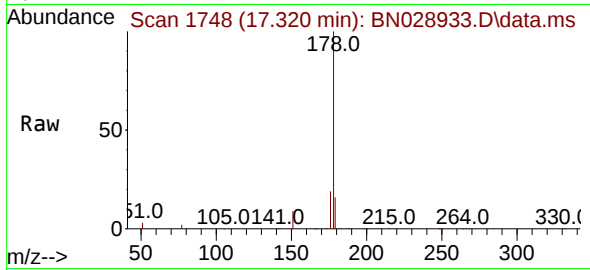
Tgt Ion:178 Resp:10248927
Ion Ratio Lower Upper
178 100
176 19.6 16.4 24.6
179 16.3 14.1 21.1





#26
 Anthracene
 Concen: 81.323 ng
 RT: 17.320 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BN028933.D
 Acq: 01 Dec 2023 05:21

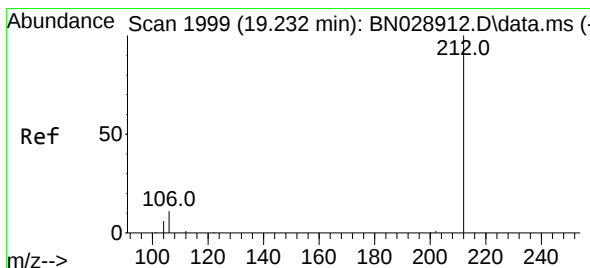
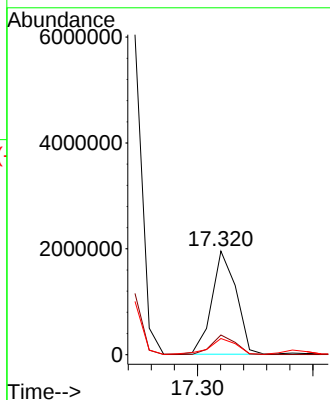
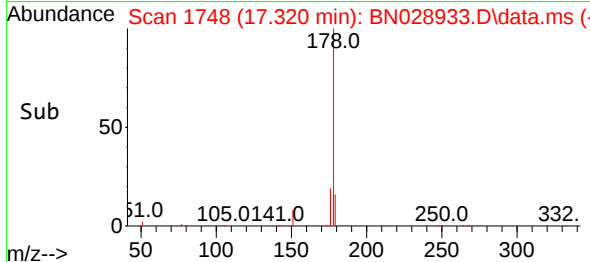
Instrument :
 BNA_N
 ClientSampleId :
 DUP-03



Tgt Ion:178 Resp: 287306
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 16.9 12.2 18.2

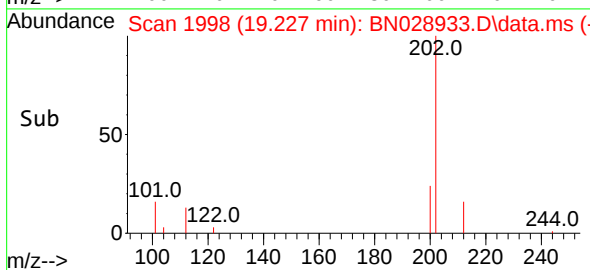
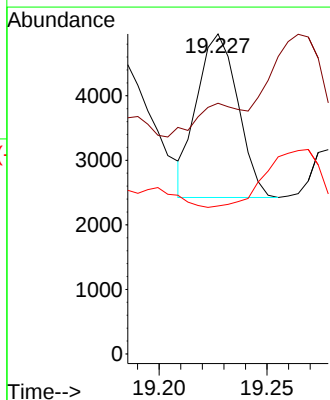
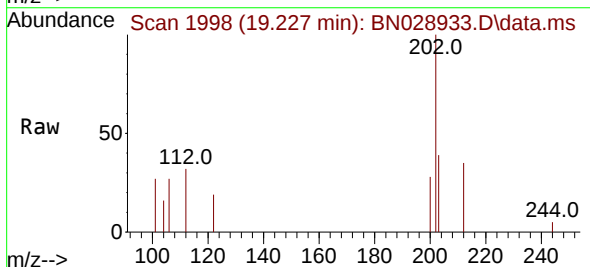
Manual Integrations
 APPROVED

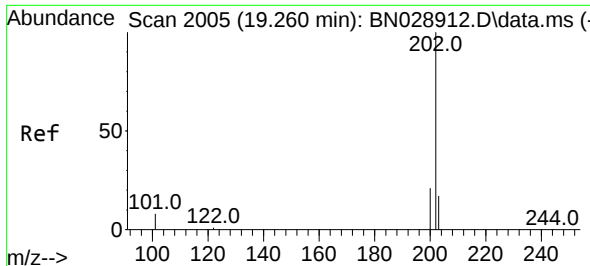
Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023



#27
 Fluoranthene-d10
 Concen: 0.110 ng
 RT: 19.227 min Scan# 1998
 Delta R.T. 0.014 min
 Lab File: BN028933.D
 Acq: 01 Dec 2023 05:21

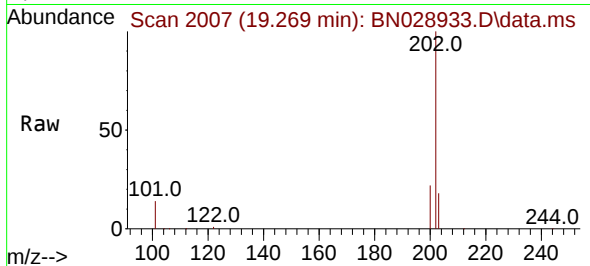
Tgt Ion:212 Resp: 3342
 Ion Ratio Lower Upper
 212 100
 106 30.6 9.4 14.2#
 104 0.0 6.2 9.2#





#28
Fluoranthene
Concen: 234.324 ng m
RT: 19.269 min Scan# 2005
Delta R.T. 0.023 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

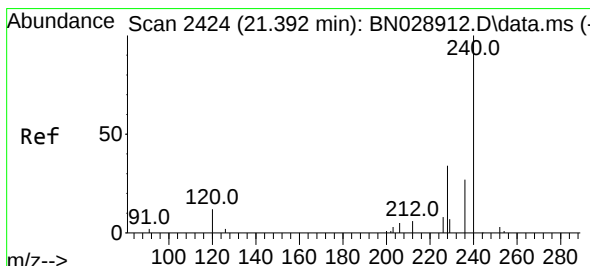
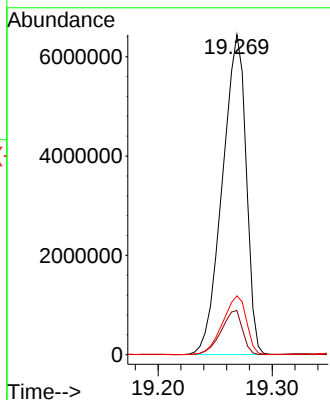
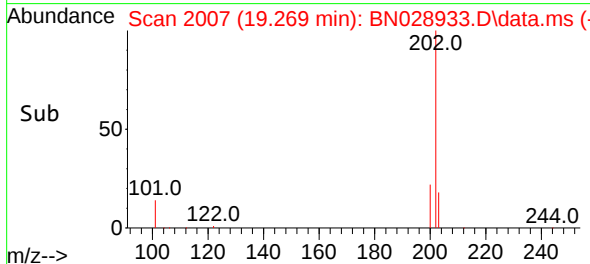
Instrument :
BNA_N
ClientSampleId :
DUP-03



Tgt Ion:202 Resp: 931332
Ion Ratio Lower Upper
202 100
101 0.6 7.3 10.9#
203 1.3 14.1 21.1#

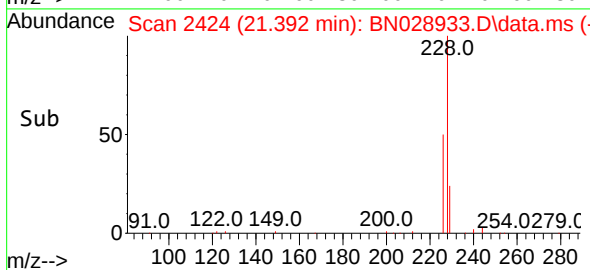
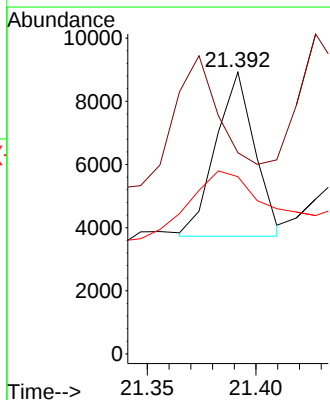
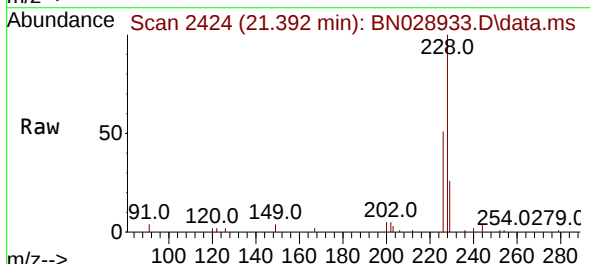
Manual Integrations
APPROVED

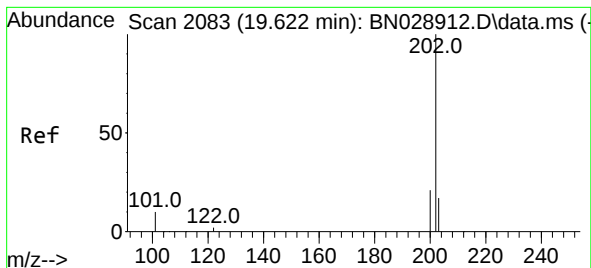
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.392 min Scan# 2424
Delta R.T. 0.018 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Tgt Ion:240 Resp: 6487
Ion Ratio Lower Upper
240 100
120 71.4 37.1 55.7#
236 62.9 32.4 48.6#





#30

Pyrene

Concen: 148.032 ng

RT: 19.631 min Scan# 2085

Delta R.T. 0.023 min

Lab File: BN028933.D

Acq: 01 Dec 2023 05:21

Instrument :

BNA_N

ClientSampleId :

DUP-03

Tgt Ion:202 Resp: 734214

Ion Ratio Lower Upper

202 100

200 21.8 16.9 25.3

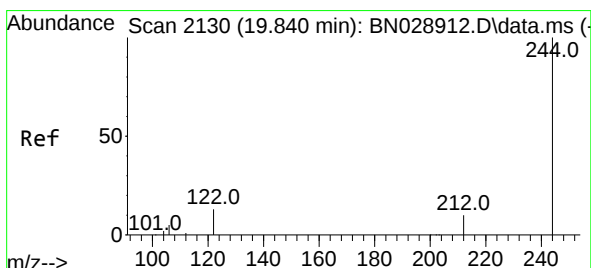
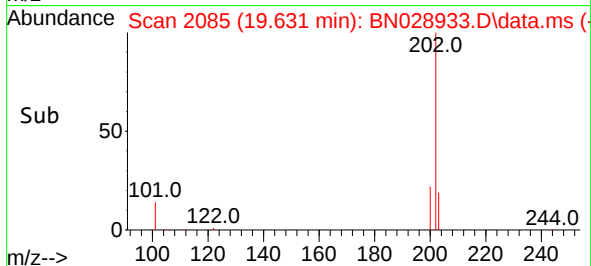
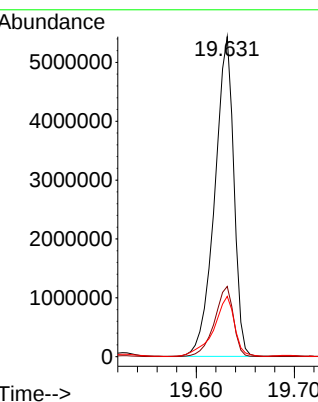
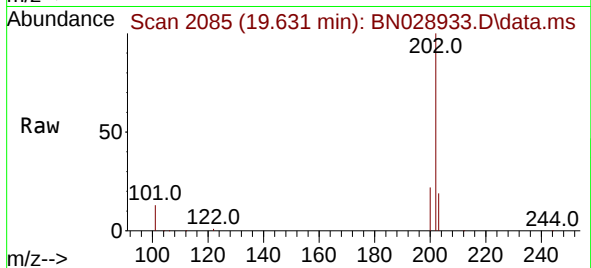
203 20.4 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#31

Terphenyl-d14

Concen: 0.408 ng

RT: 19.822 min Scan# 2126

Delta R.T. 0.000 min

Lab File: BN028933.D

Acq: 01 Dec 2023 05:21

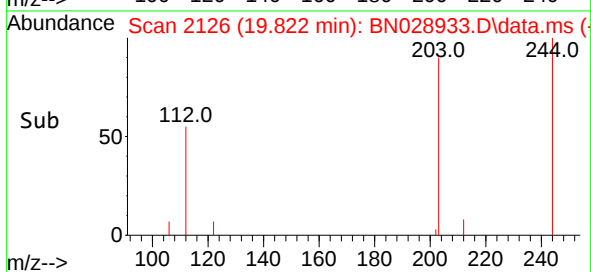
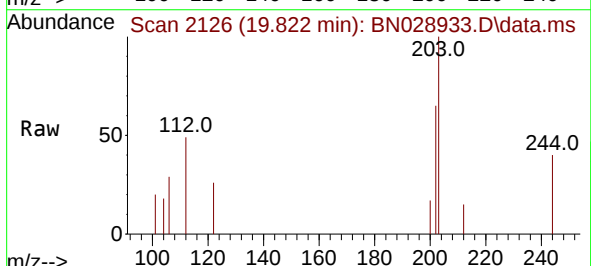
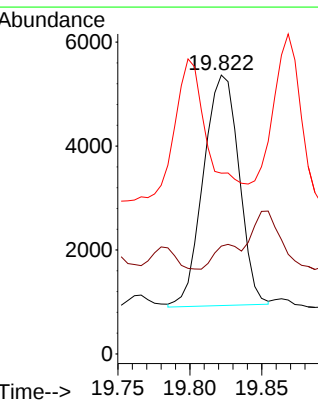
Tgt Ion:244 Resp: 7634

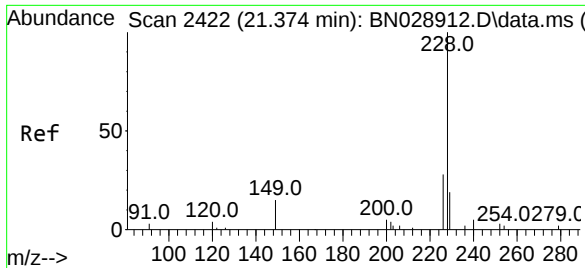
Ion Ratio Lower Upper

244 100

212 38.7 11.5 17.3#

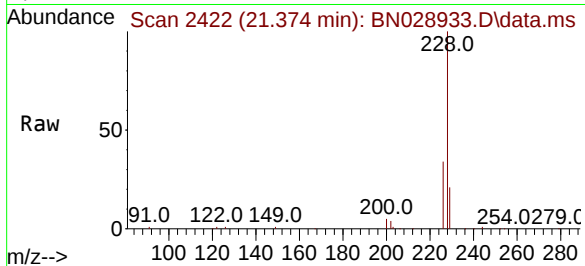
122 64.8 13.2 19.8#





#32
Benzo(a)anthracene
Concen: 122.194 ng
RT: 21.374 min Scan# 2422
Delta R.T. 0.018 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

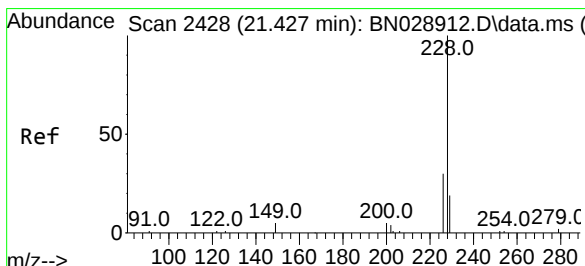
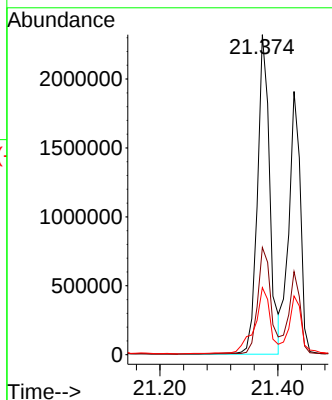
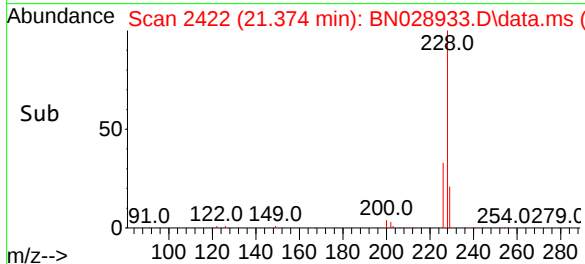
Instrument :
BNA_N
ClientSampleId :
DUP-03



Tgt Ion:228 Resp: 3370289
Ion Ratio Lower Upper
228 100
226 33.5 26.5 39.7
229 21.0 16.4 24.6

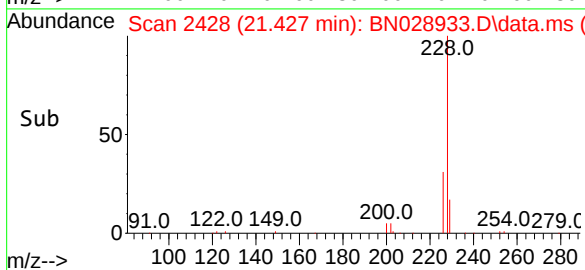
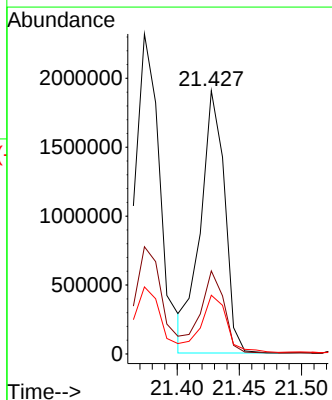
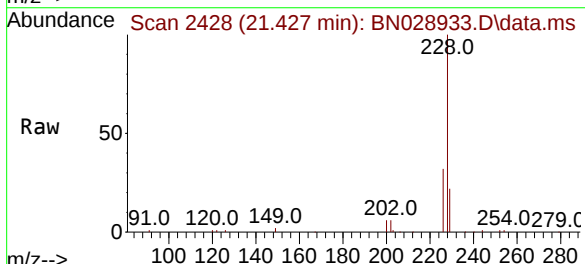
Manual Integrations
APPROVED

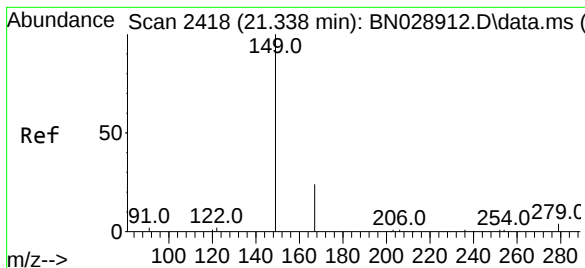
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#33
Chrysene
Concen: 95.235 ng
RT: 21.427 min Scan# 2428
Delta R.T. 0.018 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

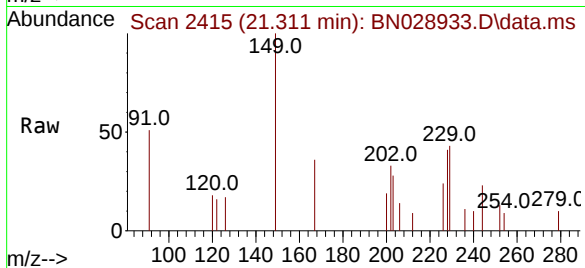
Tgt Ion:228 Resp: 2579002
Ion Ratio Lower Upper
228 100
226 31.5 28.3 42.5
229 22.3 16.4 24.6





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.585 ng
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

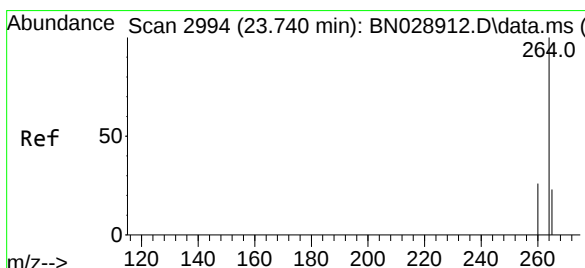
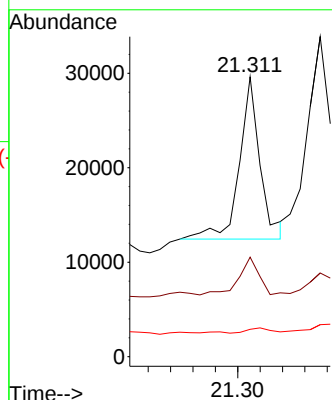
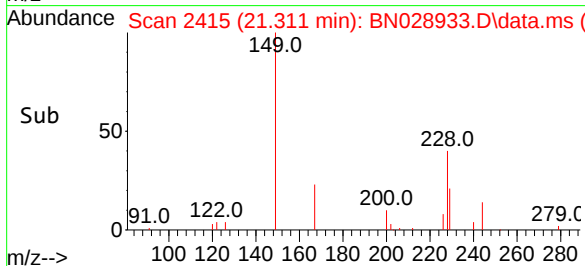
Instrument :
BNA_N
ClientSampleId :
DUP-03



Tgt Ion:149 Resp: 22030
Ion Ratio Lower Upper
149 100
167 22.9 14.9 22.3#
279 3.8 6.3 9.5#

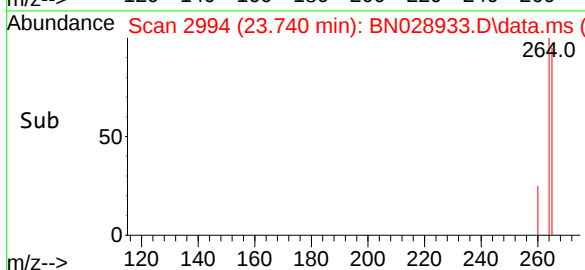
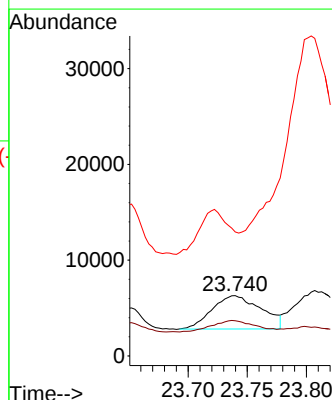
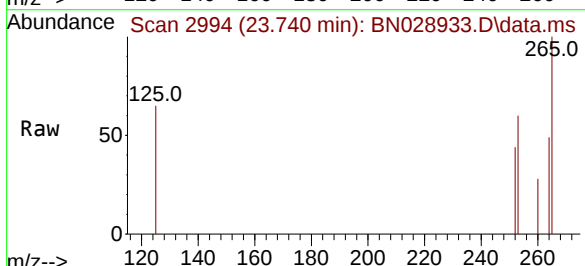
Manual Integrations
APPROVED

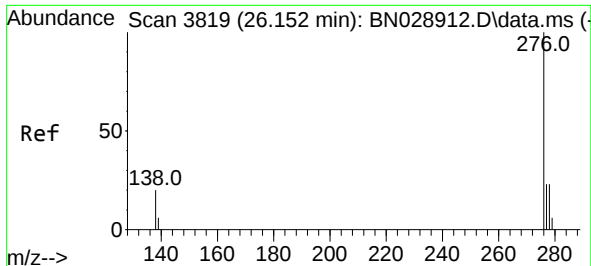
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.740 min Scan# 2994
Delta R.T. 0.026 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

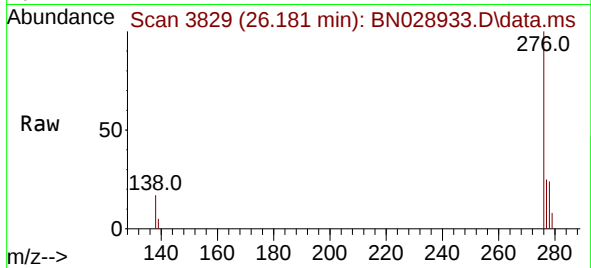
Tgt Ion:264 Resp: 10131
Ion Ratio Lower Upper
264 100
260 58.3 20.6 30.8#
265 205.5 464.5 696.7#





#36
Indeno(1,2,3-cd)pyrene
Concen: 30.854 ng
RT: 26.181 min Scan# 3819
Delta R.T. 0.070 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

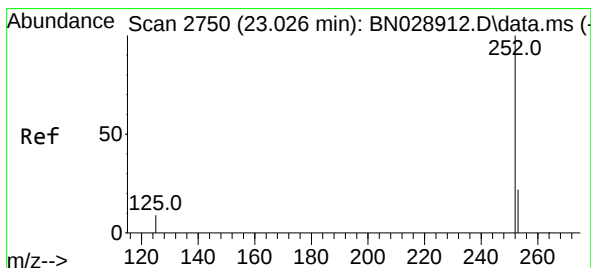
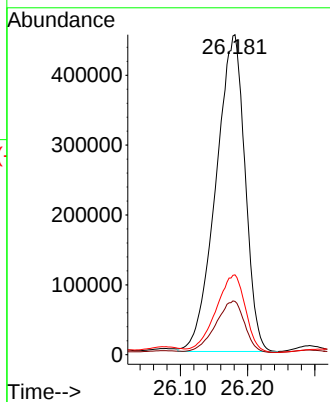
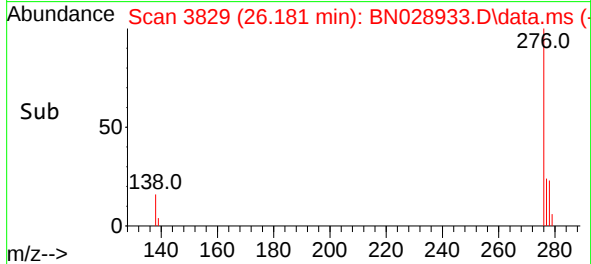
Instrument :
BNA_N
ClientSampleId :
DUP-03



Tgt Ion:276 Resp: 136205
Ion Ratio Lower Upper
276 100
138 16.3 20.9 31.3#
277 25.0 20.2 30.4#

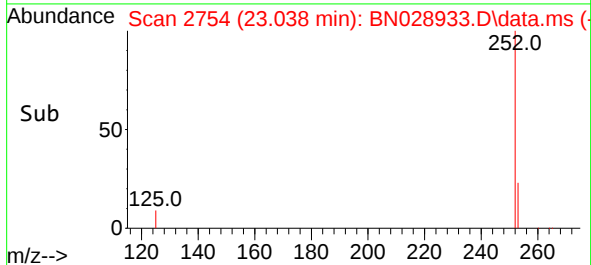
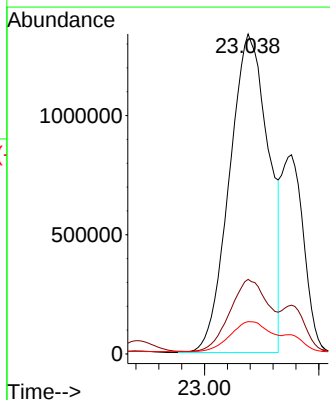
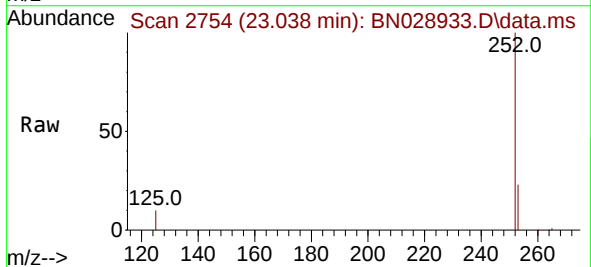
Manual Integrations
APPROVED

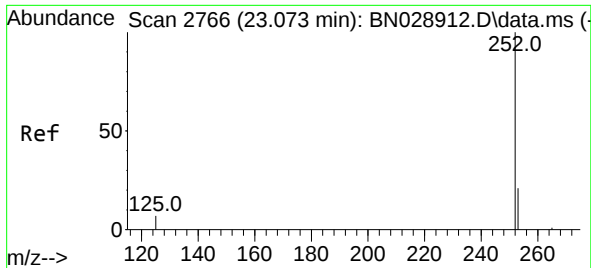
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#37
Benzo(b)fluoranthene
Concen: 76.908 ng
RT: 23.038 min Scan# 2754
Delta R.T. 0.035 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

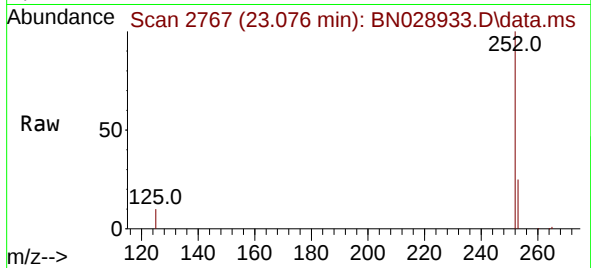
Tgt Ion:252 Resp: 3187603
Ion Ratio Lower Upper
252 100
253 23.3 94.5 141.7#
125 10.1 23.8 35.8#





#38
Benzo(k)fluoranthene
Concen: 28.890 ng m
RT: 23.076 min Scan# 21
Delta R.T. 0.026 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

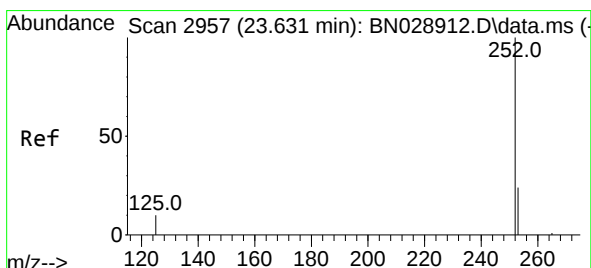
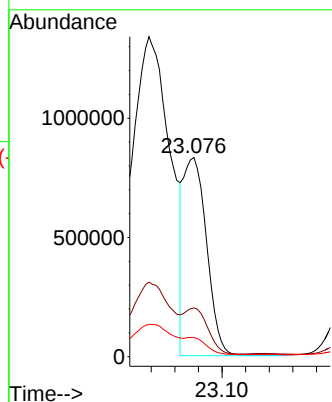
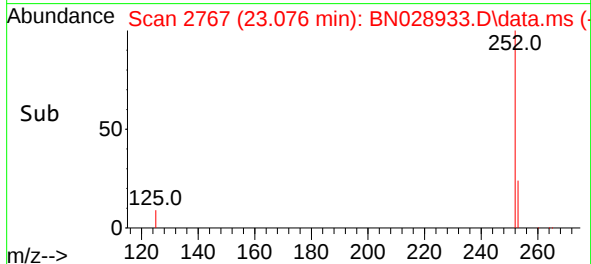
Instrument :
BNA_N
ClientSampleId :
DUP-03



Tgt Ion:252 Resp: 112973
Ion Ratio Lower Upper
252 100
253 24.5 95.2 142.8#
125 9.6 24.3 36.5#

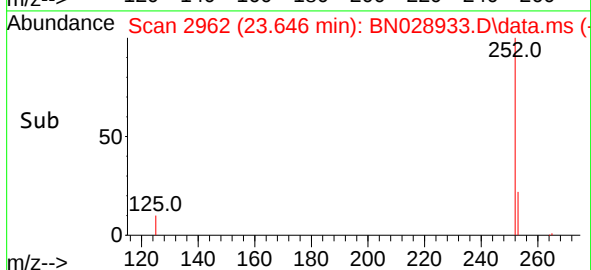
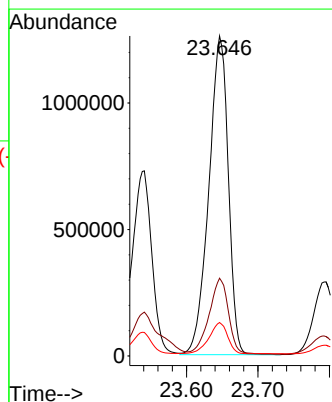
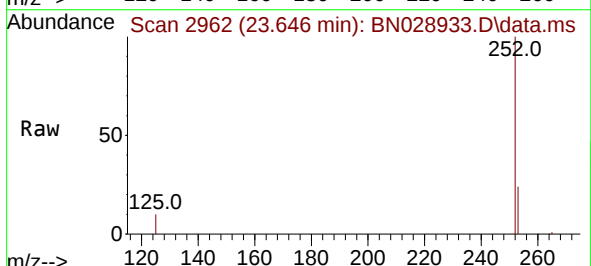
Manual Integrations
APPROVED

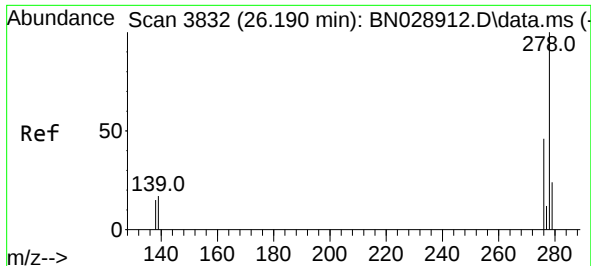
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#39
Benzo(a)pyrene
Concen: 64.310 ng
RT: 23.646 min Scan# 2962
Delta R.T. 0.041 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

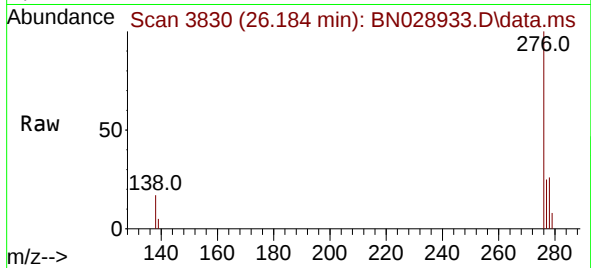
Tgt Ion:252 Resp: 2380691
Ion Ratio Lower Upper
252 100
253 24.3 110.2 165.4#
125 10.5 27.0 40.4#





#40
Dibenzo(a,h)anthracene
Concen: 10.032 ng
RT: 26.184 min Scan# 31
Delta R.T. 0.044 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

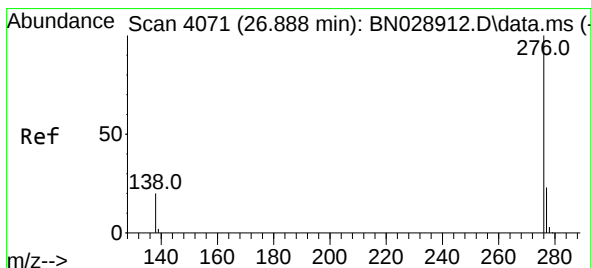
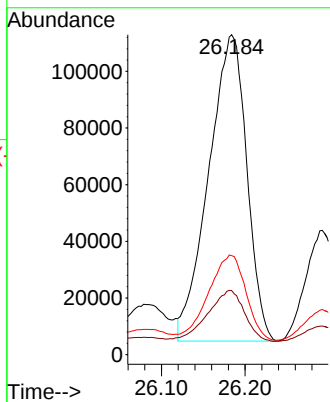
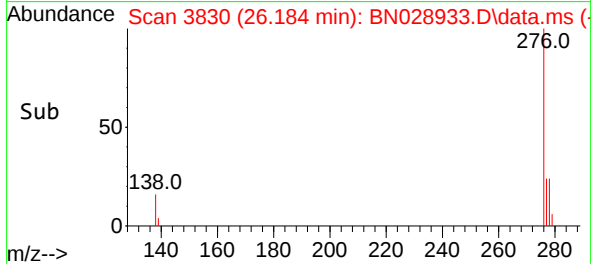
Instrument :
BNA_N
ClientSampleId :
DUP-03



Tgt Ion:278 Resp: 342730
Ion Ratio Lower Upper
278 100
139 20.0 22.6 33.8#
279 31.0 102.6 153.8#

Manual Integrations
APPROVED

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#41
Benzo(g,h,i)perylene
Concen: 31.391 ng
RT: 26.927 min Scan# 4084
Delta R.T. 0.085 min
Lab File: BN028933.D
Acq: 01 Dec 2023 05:21

Tgt Ion:276 Resp: 1206292
Ion Ratio Lower Upper
276 100
277 24.7 28.9 43.3#
138 16.9 36.2 54.2#

