

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028222.D
 Acq On : 11 Oct 2023 07:10
 Operator : MA/JU
 Sample : 04767-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E-1(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

Quant Time: Oct 11 07:42:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	3548	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11347	0.400	ng	0.00
13) Acenaphthene-d10	14.565	164	6789	0.400	ng	0.00
19) Phenanthrene-d10	17.318	188	12118	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	14176	0.400	ng	# 0.00
35) Perylene-d12	23.990	264	16443	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2590	0.245	ng	0.00
5) Phenol-d6	7.084	99	3096	0.232	ng	0.00
8) Nitrobenzene-d5	9.123	82	2628	0.272	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	4019	0.239	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	687	0.221	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	5770	0.236	ng	0.00
27) Fluoranthene-d10	19.356	212	7726	0.254	ng	0.00
31) Terphenyl-d14	19.941	244	8637	0.261	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.788	128	192800	6.576	ng	98
12) 2-Methylnaphthalene	12.392	142	40654	1.982	ng	97
16) Acenaphthylene	14.288	152	631825	21.008	ng	99
17) Acenaphthene	14.630	154	112691	5.878	ng	99
18) Fluorene	15.606	166	96348	3.870	ng	# 88
25) Phenanthrene	17.368	178	2533472	77.548	ng	99
26) Anthracene	17.455	178	1183340	38.321	ng	96
28) Fluoranthene	19.393	202	3054012	81.001	ng	98
30) Pyrene	19.760	202	3062726	58.919	ng	97
32) Benzo(a)anthracene	21.506	228	1616572	33.512	ng	96
33) Chrysene	21.560	228	1311044	28.202	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	7316	0.231	ng	# 68
36) Indeno(1,2,3-cd)pyrene	26.586	276	665588	12.034	ng	97
37) Benzo(b)fluoranthene	23.229	252	1470446	27.689	ng	# 89
38) Benzo(k)fluoranthene	23.273	252	525282m	9.752	ng	
39) Benzo(a)pyrene	23.878	252	1262680m	25.146	ng	
40) Dibenzo(a,h)anthracene	26.595	278	199435	4.408	ng	99
41) Benzo(g,h,i)perylene	27.399	276	631142	13.590	ng	96

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

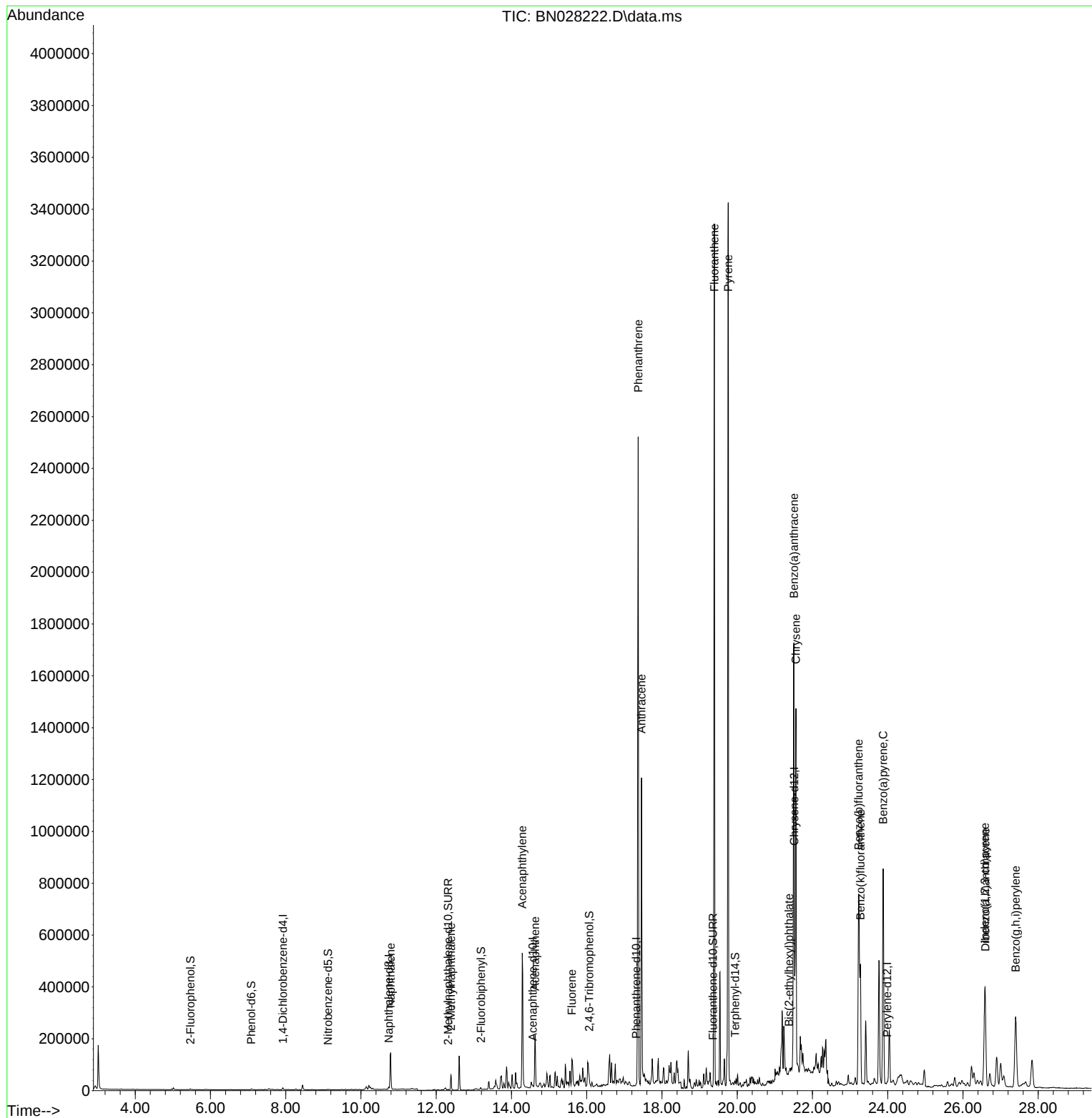
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
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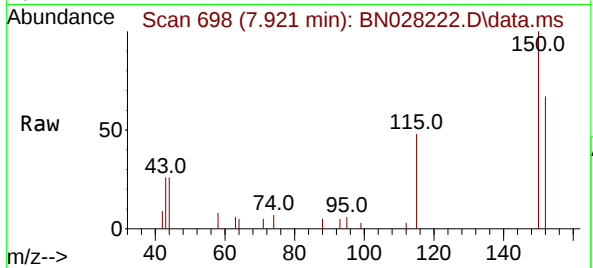
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 61
Delta R.T. -0.001 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

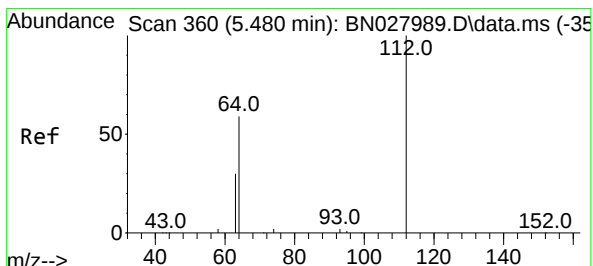
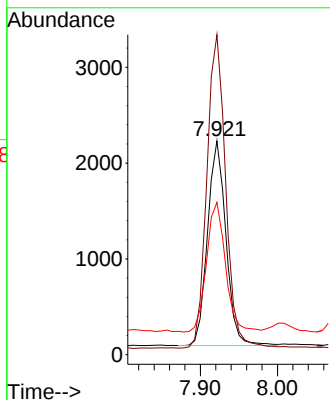
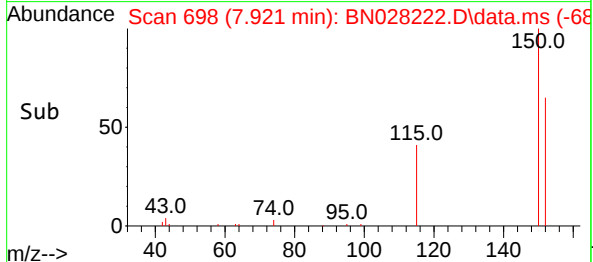
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



Tgt Ion:152 Resp: 3548
Ion Ratio Lower Upper
152 100
150 149.7 125.6 188.4
115 71.2 54.8 82.2

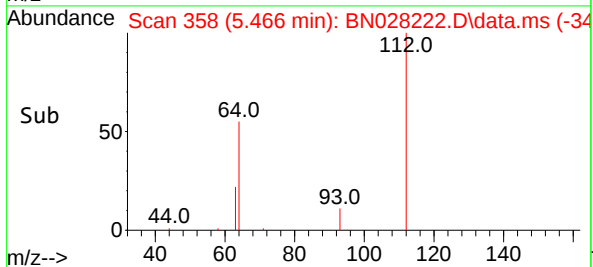
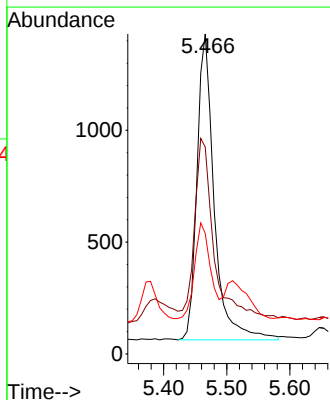
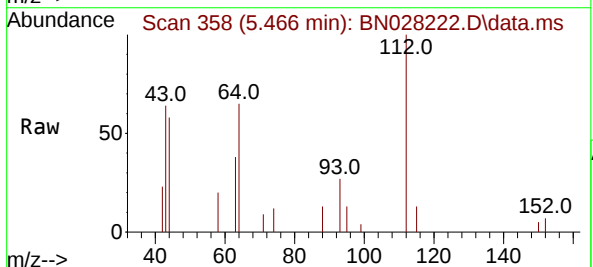
Manual Integrations
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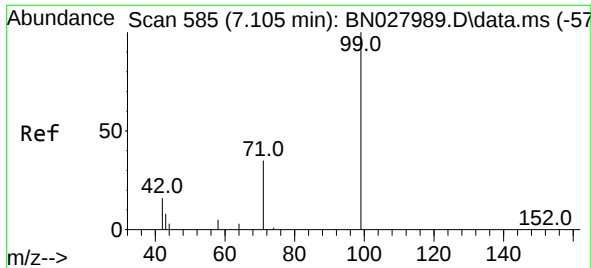
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.245 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

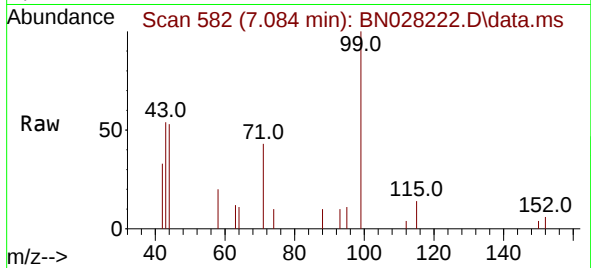
Tgt Ion:112 Resp: 2590
Ion Ratio Lower Upper
112 100
64 63.9 45.0 67.6
63 28.8 23.4 35.0





#5
Phenol-d6
Concen: 0.232 ng
RT: 7.084 min Scan# 585
Delta R.T. -0.007 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

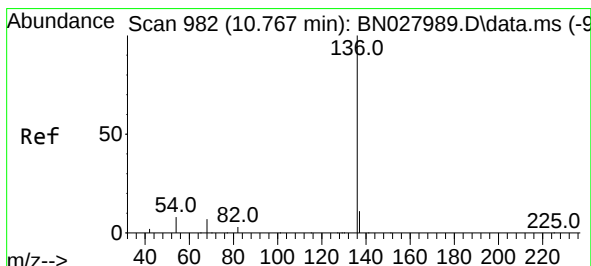
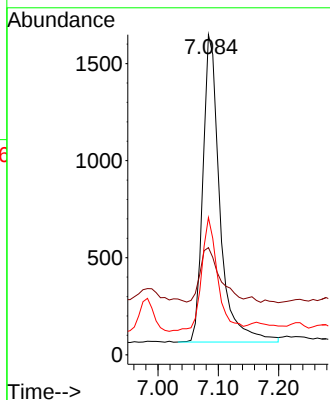
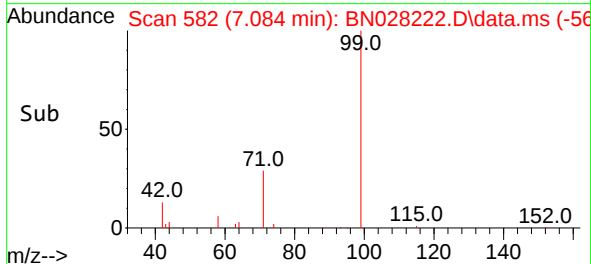
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



Tgt Ion: 99 Resp: 3090
Ion Ratio Lower Upper
99 100
42 20.6 14.6 22.0
71 35.5 28.3 42.5

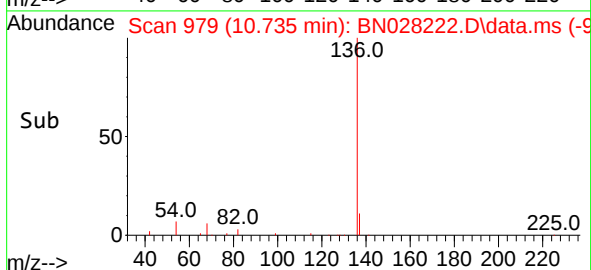
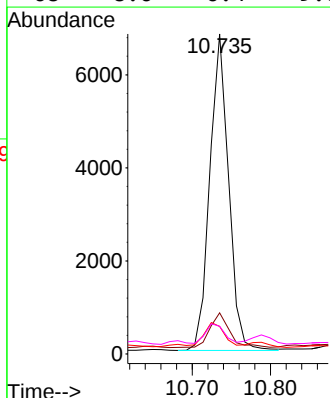
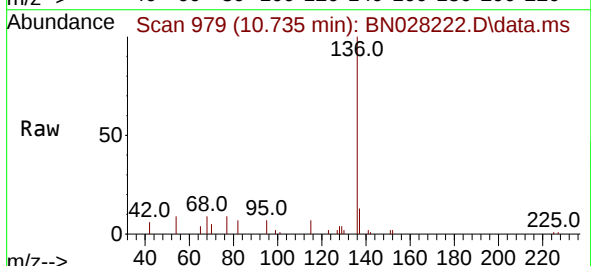
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Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Tgt Ion:136 Resp: 11347
Ion Ratio Lower Upper
136 100
137 12.9 9.4 14.0
54 8.6 7.0 10.6
68 8.6 6.4 9.6





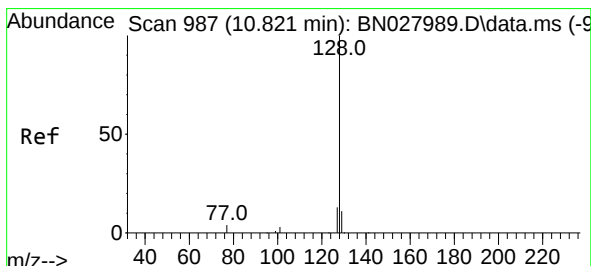
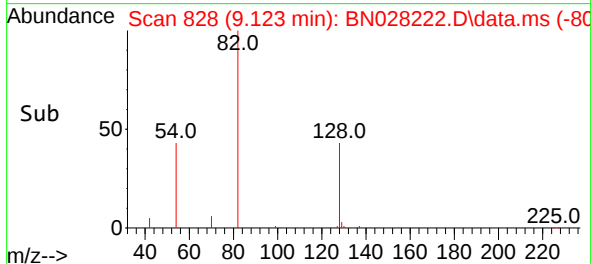
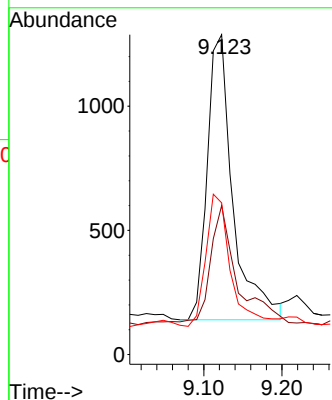
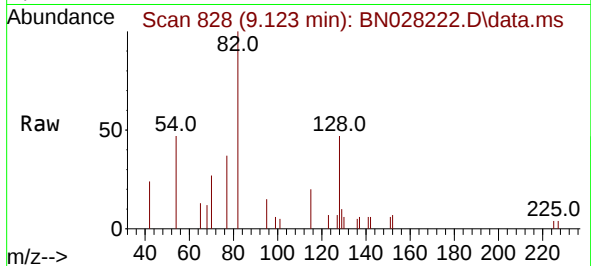
#8
Nitrobenzene-d5
Concen: 0.272 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Instrument :
BNA_N
ClientSampleId :
E-1(0-5)

Tgt Ion: 82 Resp: 2628
Ion Ratio Lower Upper
82 100
128 46.6 32.7 49.1
54 47.4 38.7 58.1

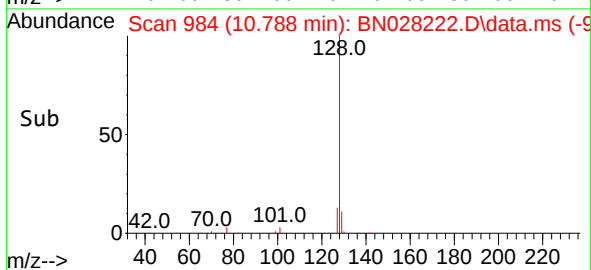
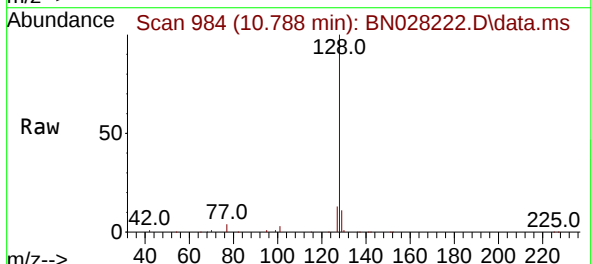
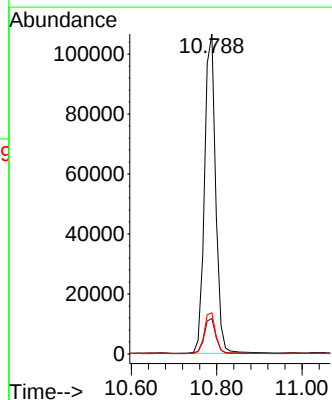
Manual Integrations
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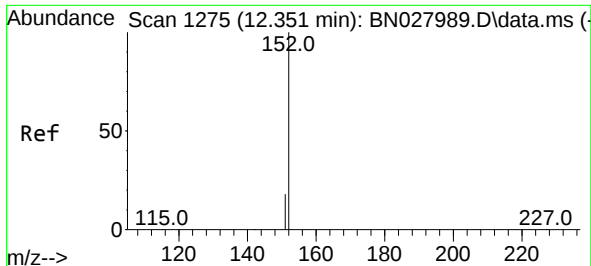
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 6.576 ng
RT: 10.788 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Tgt Ion:128 Resp: 192800
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.239 ng

RT: 12.317 min Scan# 1266

Delta R.T. -0.008 min

Lab File: BN028222.D

Acq: 11 Oct 2023 07:10

Instrument :

BNA_N

ClientSampleId :

E-1(0-5)

Tgt Ion:152 Resp: 4019

Ion Ratio Lower Upper

152 100

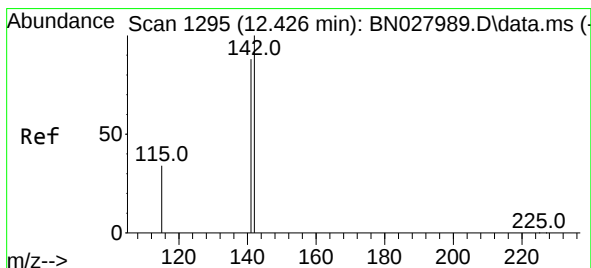
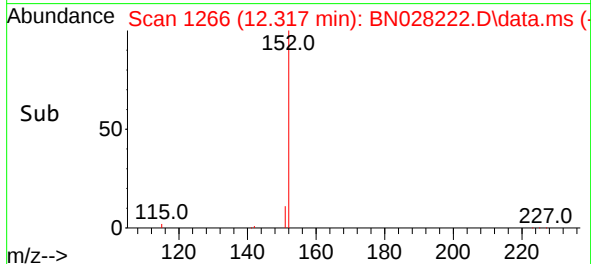
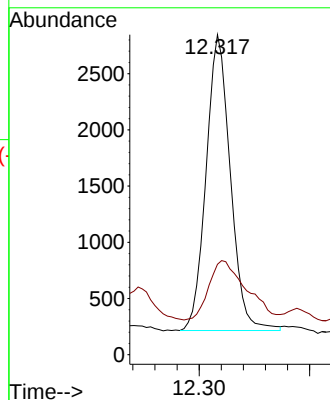
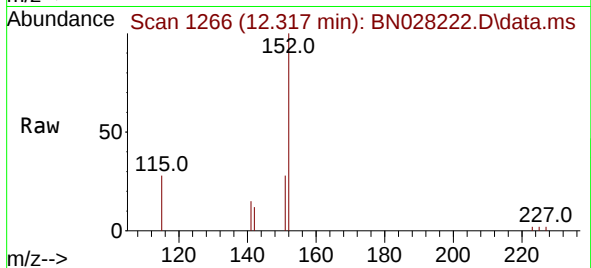
151 30.9 16.5 24.7

Manual Integrations

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Supervised By :mohammad ahmed 10/12/2023



#12

2-Methylnaphthalene

Concen: 1.982 ng

RT: 12.392 min Scan# 1286

Delta R.T. -0.008 min

Lab File: BN028222.D

Acq: 11 Oct 2023 07:10

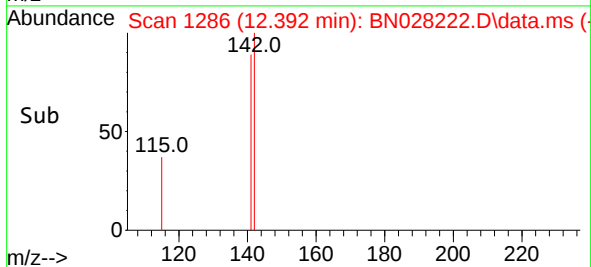
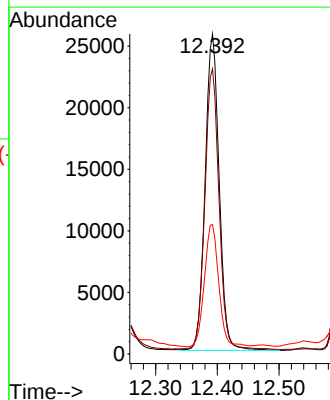
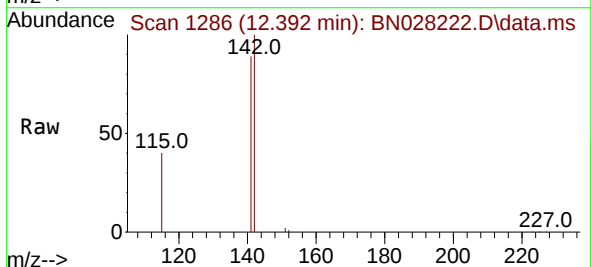
Tgt Ion:142 Resp: 40654

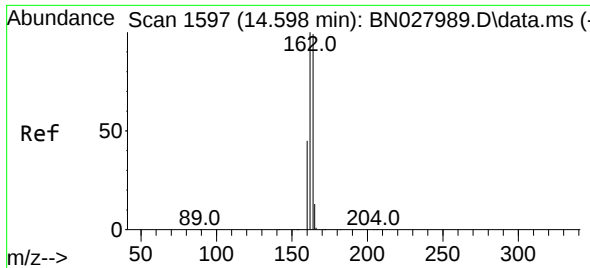
Ion Ratio Lower Upper

142 100

141 89.1 70.7 106.1

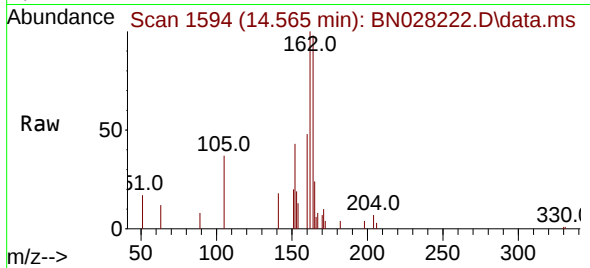
115 40.4 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.565 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

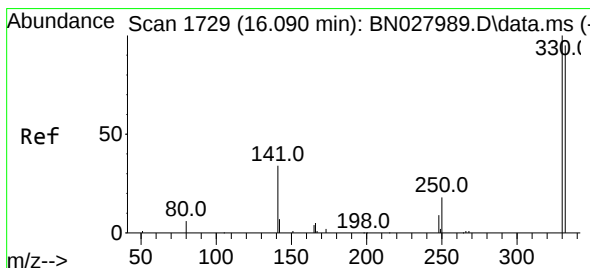
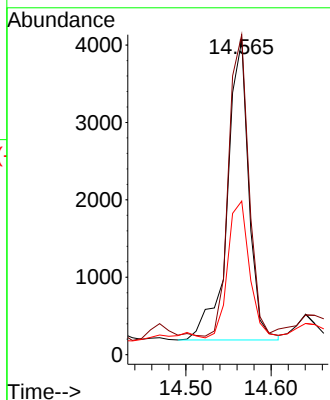
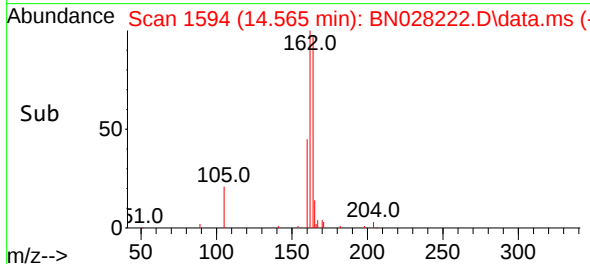
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



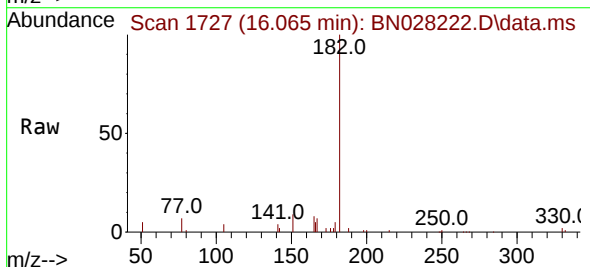
Tgt Ion:164 Resp: 6789
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 48.9 36.4 54.6

Manual Integrations
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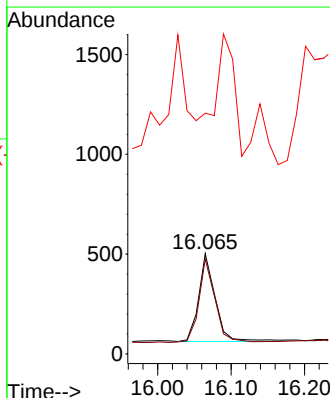
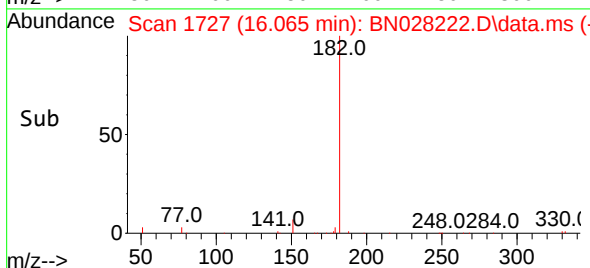
Reviewed By :Yogesh Patel 10/11/2023
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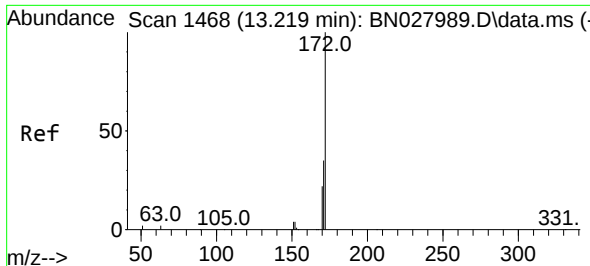


#14
2,4,6-Tribromophenol
Concen: 0.221 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10



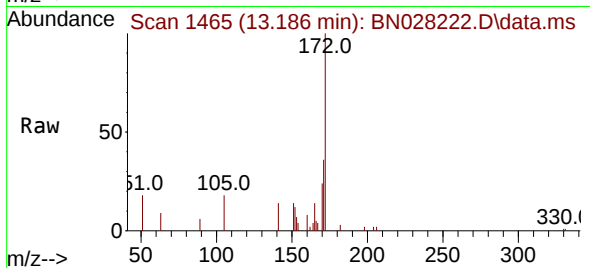
Tgt Ion:330 Resp: 687
Ion Ratio Lower Upper
330 100
332 92.6 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

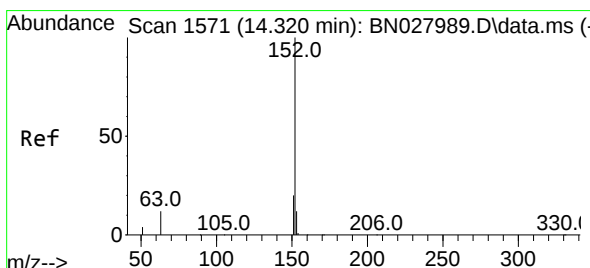
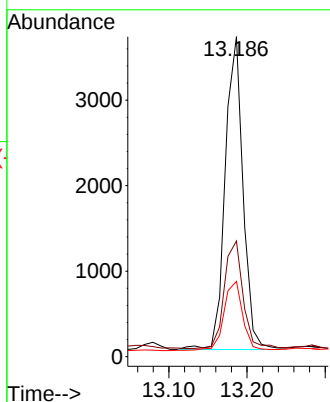
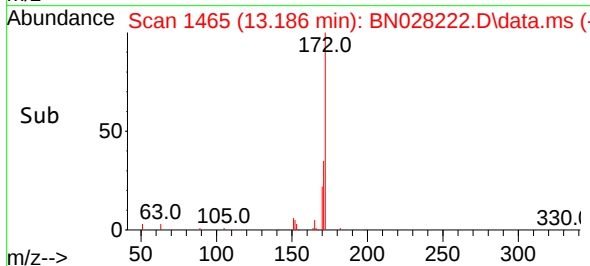
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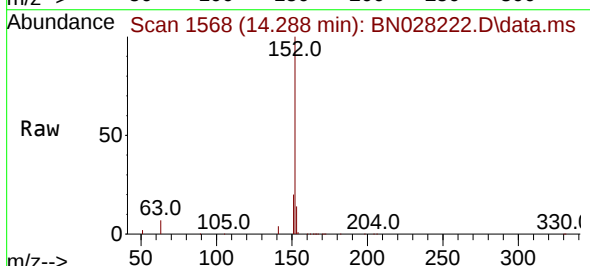
Tgt Ion:172 Resp: 5770
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 23.5 18.4 27.6

Manual Integrations
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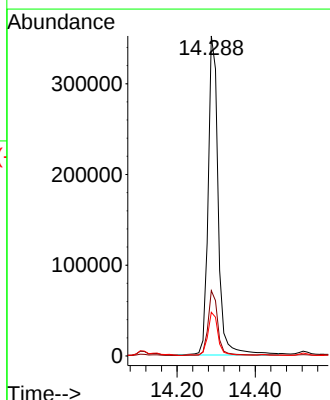
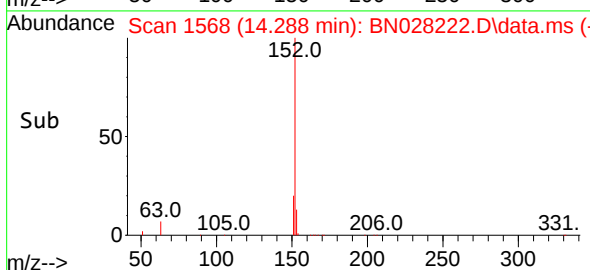
Reviewed By :Yogesh Patel 10/11/2023
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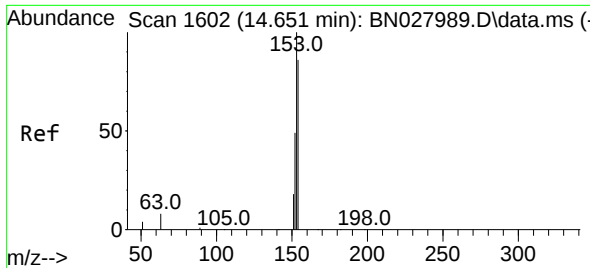


#16
Acenaphthylene
Concen: 21.008 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10



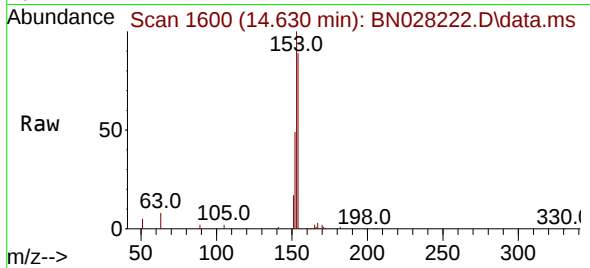
Tgt Ion:152 Resp: 631825
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.7 10.2 15.4





#17
Acenaphthene
Concen: 5.878 ng
RT: 14.630 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

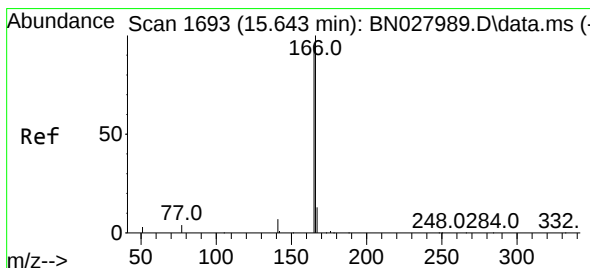
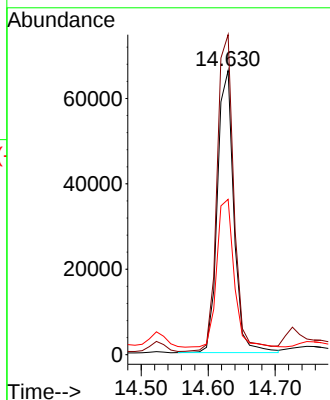
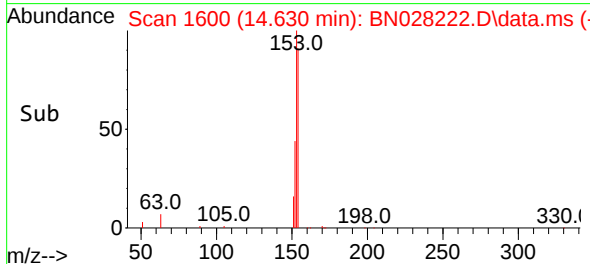
Instrument :
BNA_N
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E-1(0-5)



Tgt Ion:154 Resp: 11269
Ion Ratio Lower Upper
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153 115.2 90.8 136.2
152 54.8 43.9 65.9

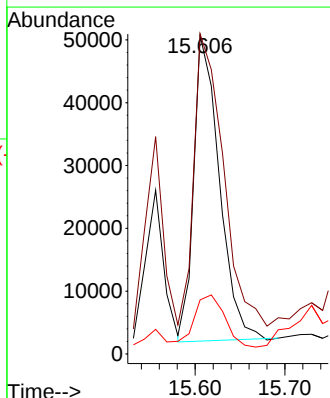
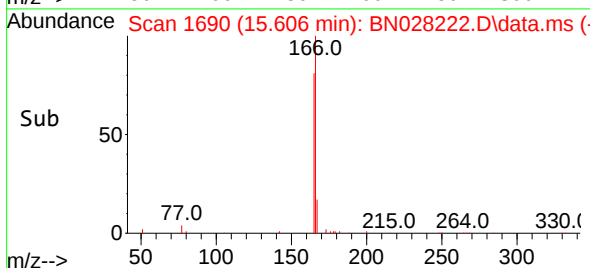
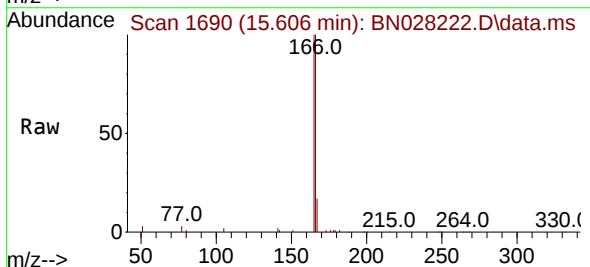
Manual Integrations
APPROVED

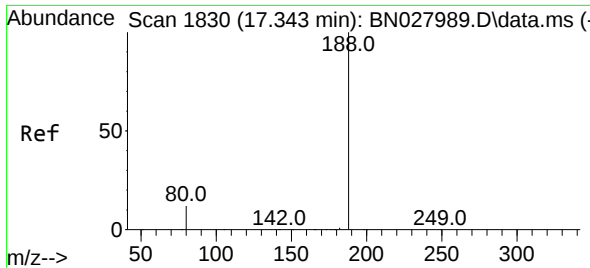
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 3.870 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.013 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Tgt Ion:166 Resp: 96348
Ion Ratio Lower Upper
166 100
165 108.5 77.8 116.8
167 20.6 10.7 16.1#





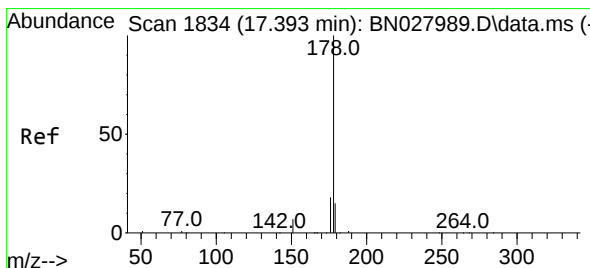
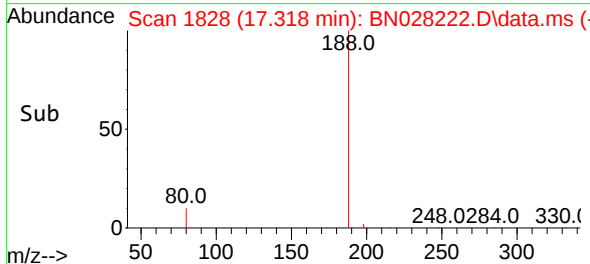
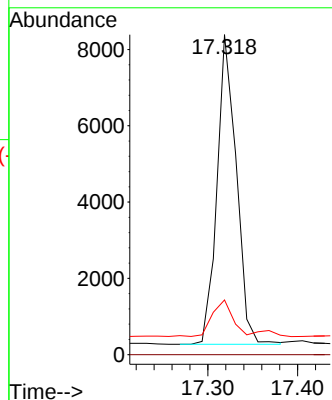
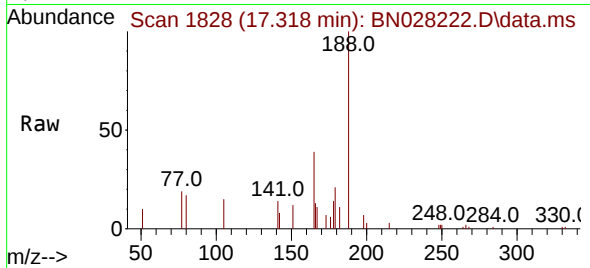
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.318 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Instrument :
BNA_N
ClientSampleId :
E-1(0-5)

Tgt Ion:188 Resp: 12118
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.1 10.2 15.4

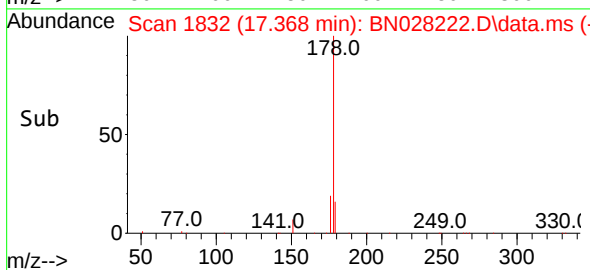
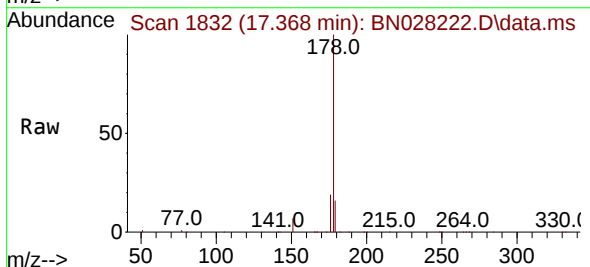
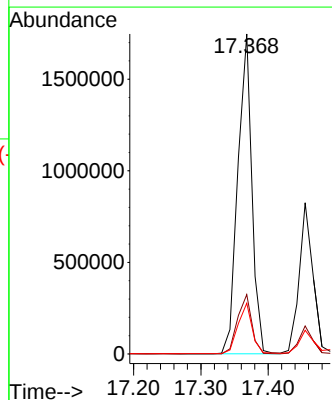
Manual Integrations
APPROVED

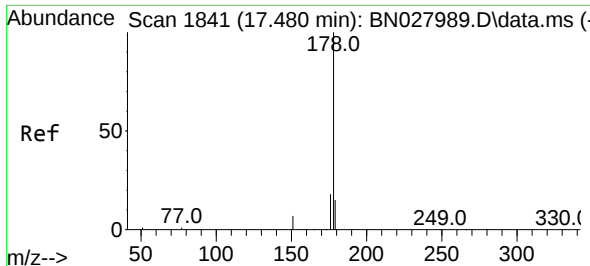
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 77.548 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

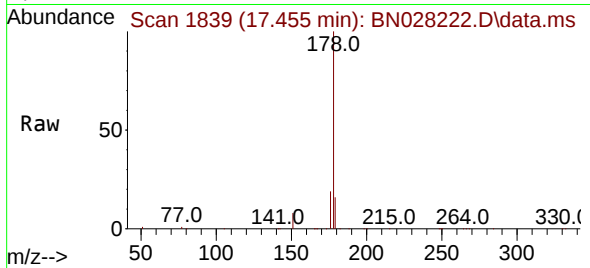
Tgt Ion:178 Resp: 2533472
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.9 12.4 18.6





#26
 Anthracene
 Concen: 38.321 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028222.D
 Acq: 11 Oct 2023 07:10

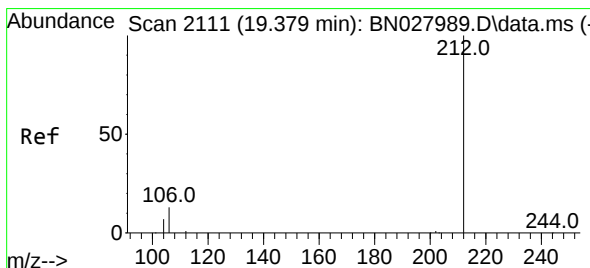
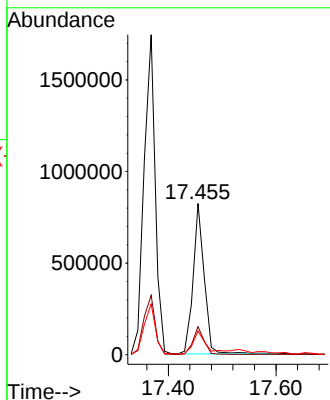
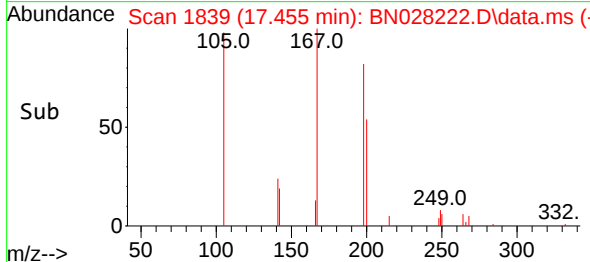
Instrument :
 BNA_N
 ClientSampleId :
 E-1(0-5)



Tgt Ion:178 Resp: 1183340
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.7 22.1
 179 18.1 12.2 18.2

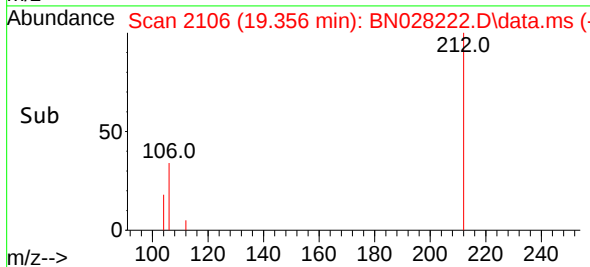
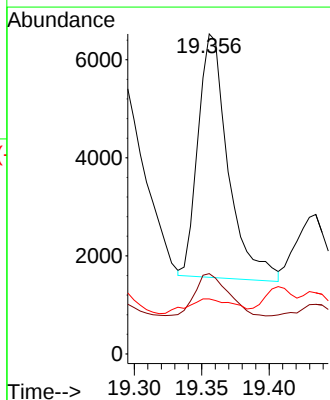
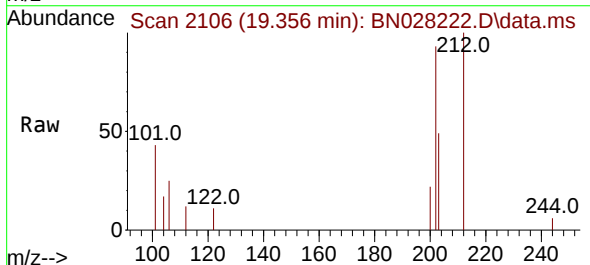
Manual Integrations
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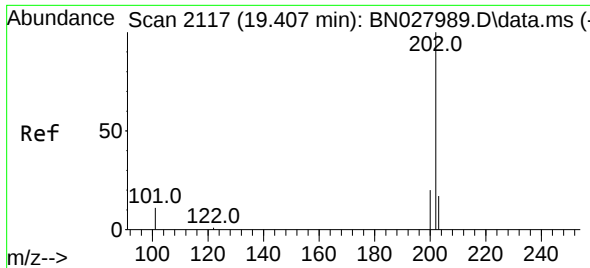
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.254 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028222.D
 Acq: 11 Oct 2023 07:10

Tgt Ion:212 Resp: 7726
 Ion Ratio Lower Upper
 212 100
 106 19.1 11.3 16.9#
 104 9.0 6.4 9.6





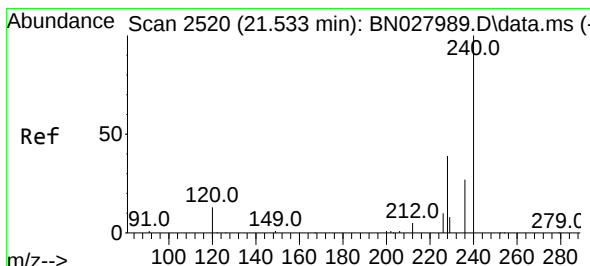
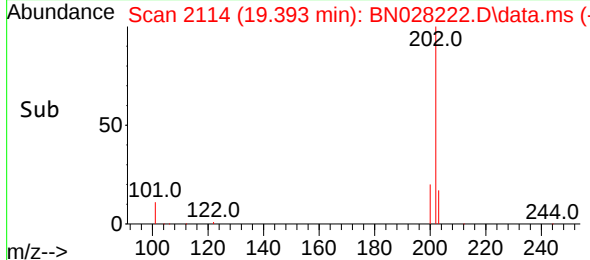
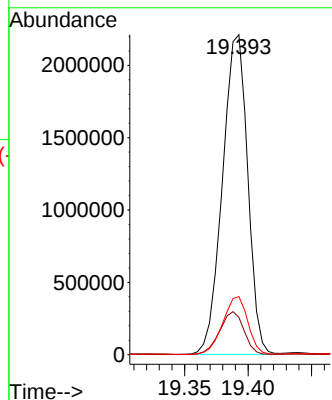
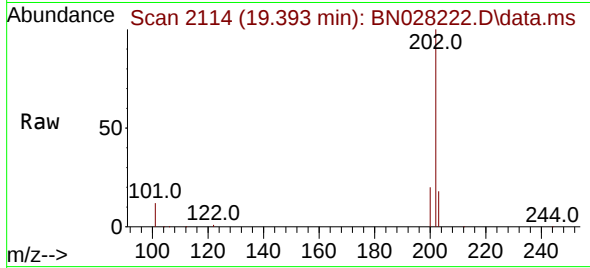
#28
Fluoranthene
Concen: 81.001 ng
RT: 19.393 min Scan# 2117
Delta R.T. 0.009 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Instrument :
BNA_N
ClientSampleId :
E-1(0-5)

Tgt Ion:202 Resp: 305401
Ion Ratio Lower Upper
202 100
101 12.9 9.8 14.6
203 17.9 13.8 20.8

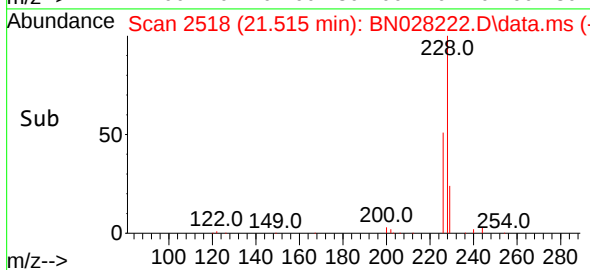
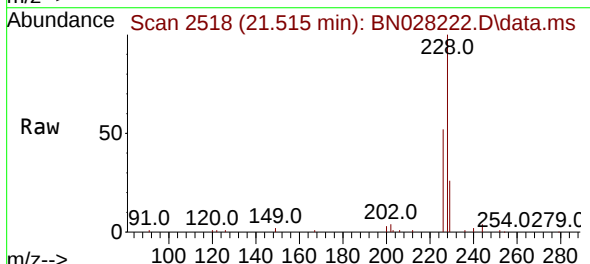
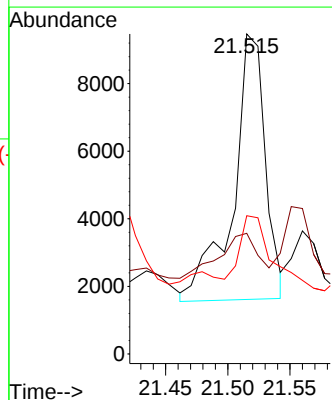
Manual Integrations
APPROVED

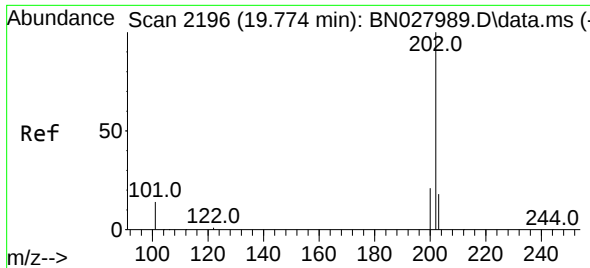
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

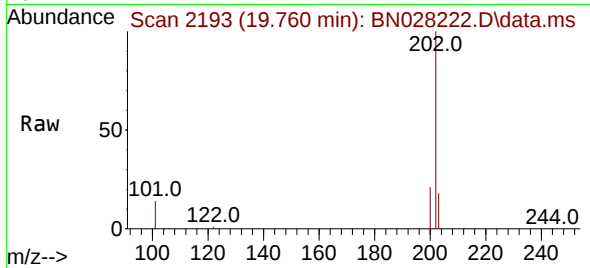
Tgt Ion:240 Resp: 14176
Ion Ratio Lower Upper
240 100
120 37.7 13.8 20.6#
236 43.2 22.6 33.8#





#30
Pyrene
Concen: 58.919 ng
RT: 19.760 min Scan# 2196
Delta R.T. 0.009 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

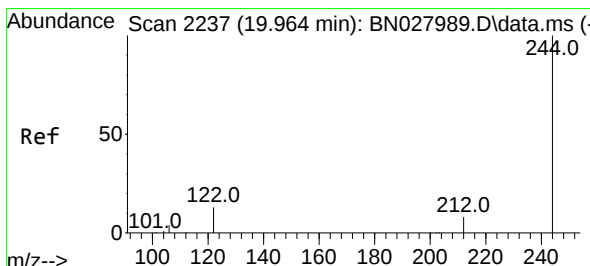
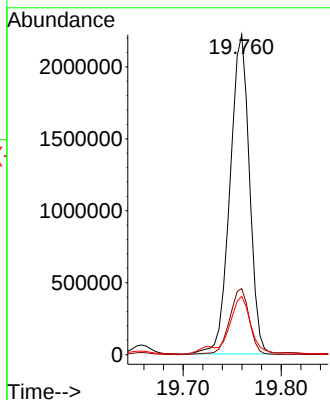
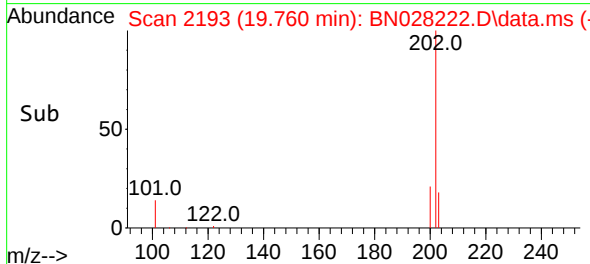
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



Tgt Ion:202 Resp: 3062720
Ion Ratio Lower Upper
202 100
200 20.9 16.5 24.7
203 21.0 14.7 22.1

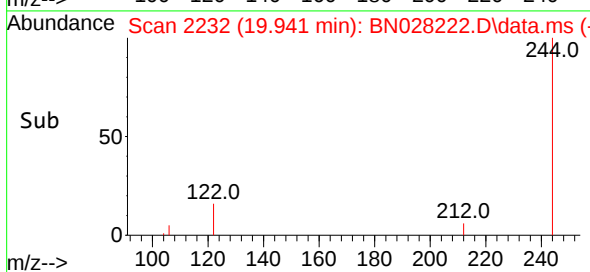
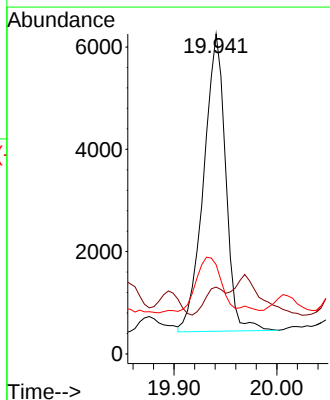
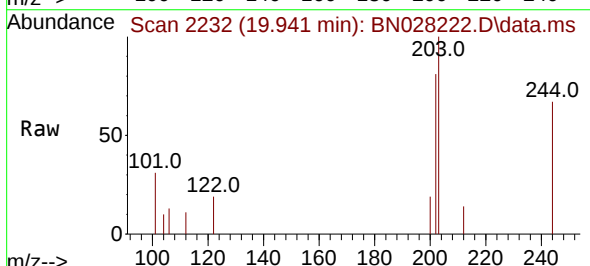
Manual Integrations
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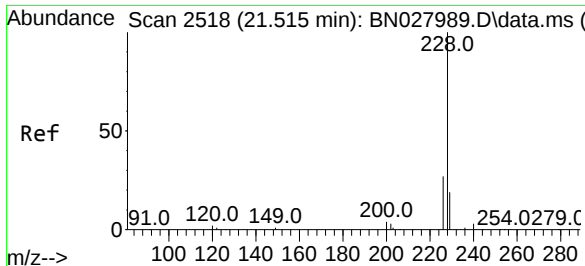
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.261 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

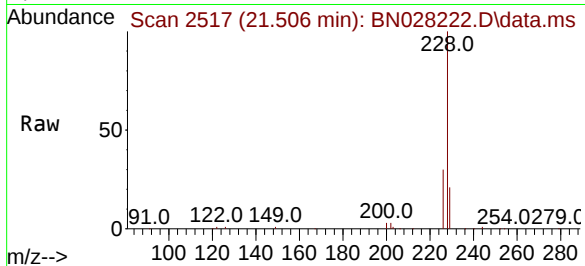
Tgt Ion:244 Resp: 8637
Ion Ratio Lower Upper
244 100
212 20.9 6.6 9.8#
122 27.9 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 33.512 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

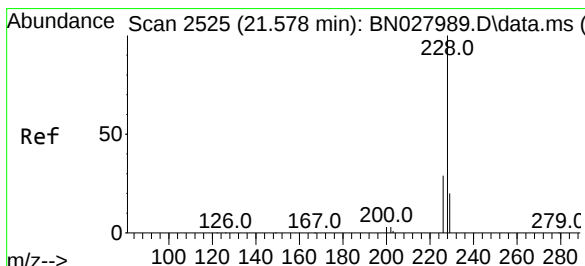
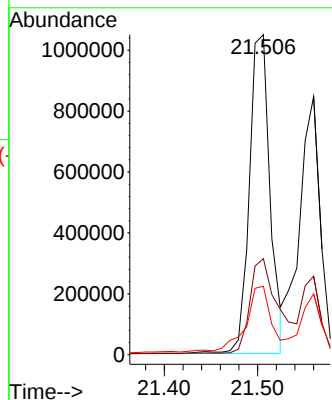
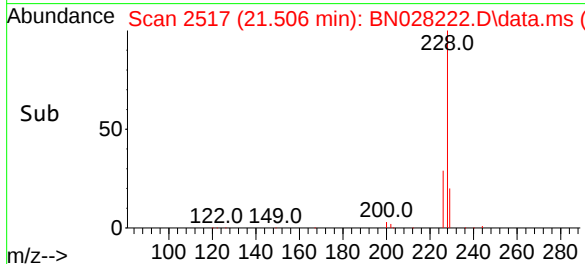
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



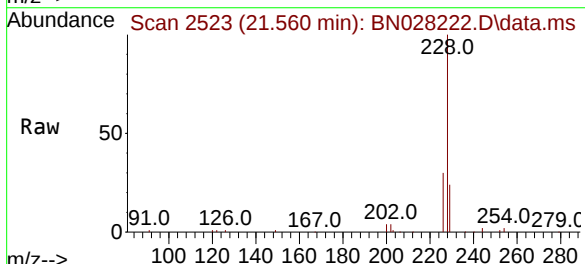
Tgt Ion:228 Resp: 161657
Ion Ratio Lower Upper
228 100
226 30.0 22.0 33.0
229 21.3 16.0 24.0

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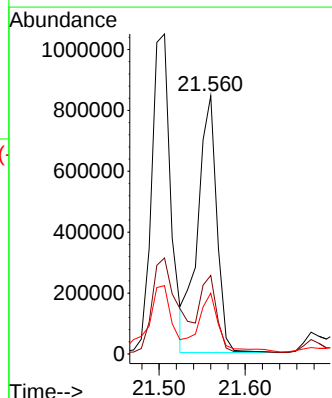
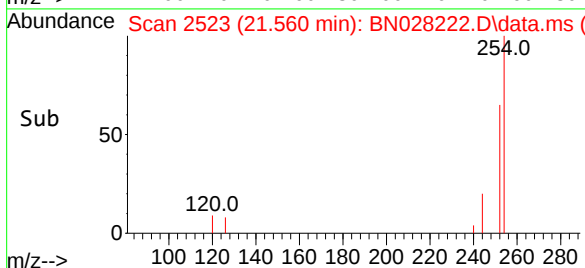
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

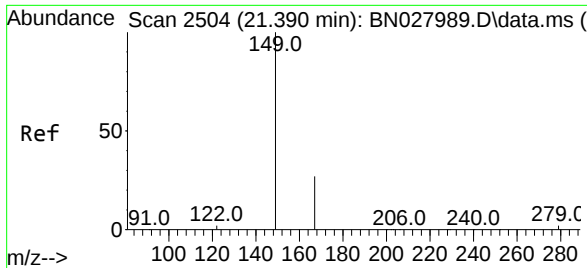


#33
Chrysene
Concen: 28.202 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10



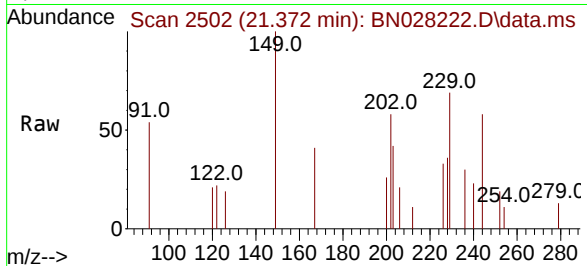
Tgt Ion:228 Resp: 1311044
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.8
229 23.6 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.231 ng
RT: 21.372 min Scan# 2136
Delta R.T. 0.009 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

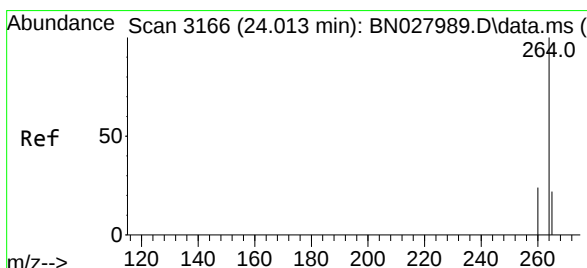
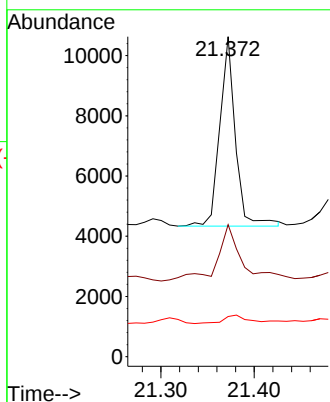
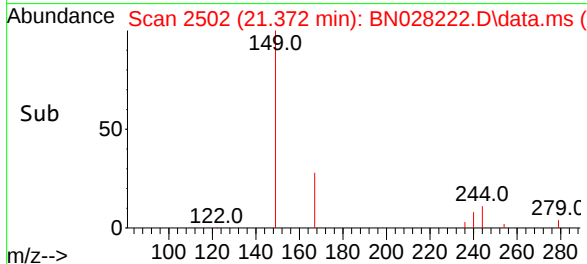
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



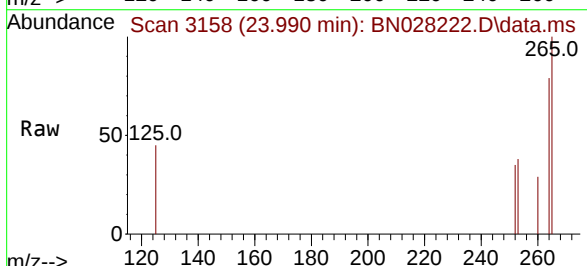
Tgt Ion:149 Resp: 7310
Ion Ratio Lower Upper
149 100
167 46.4 22.1 33.1#
279 6.7 3.4 5.0#

Manual Integrations
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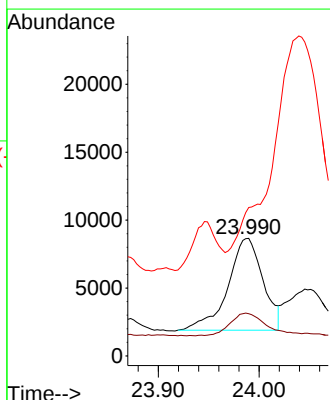
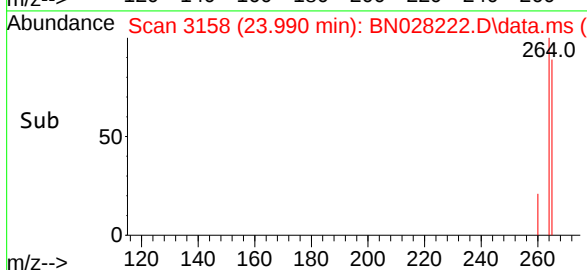
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

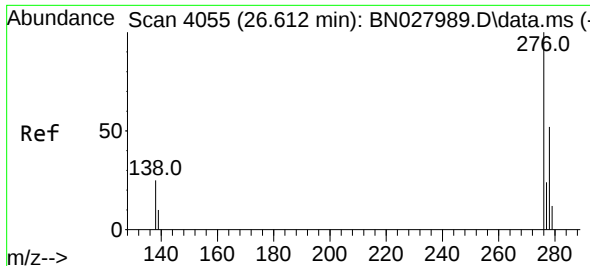


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.990 min Scan# 3158
Delta R.T. 0.014 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10



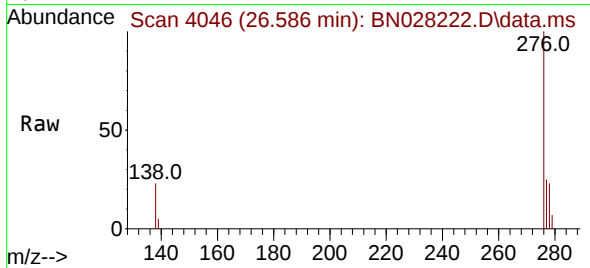
Tgt Ion:264 Resp: 16443
Ion Ratio Lower Upper
264 100
260 36.0 20.2 30.4#
265 126.3 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 12.034 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

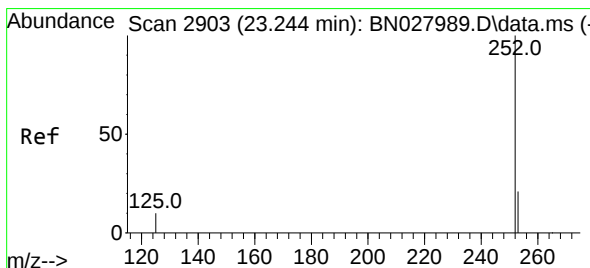
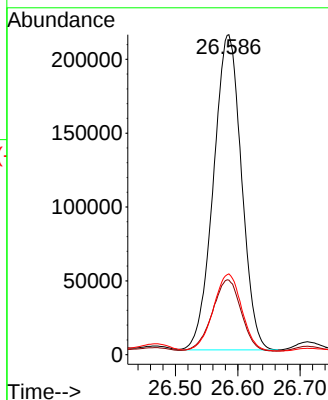
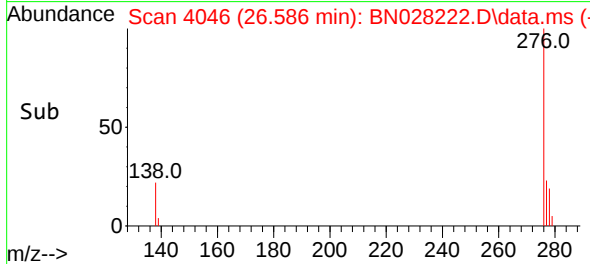
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



Tgt Ion:276 Resp: 665588
Ion Ratio Lower Upper
276 100
138 23.3 20.9 31.3
277 24.9 19.8 29.6

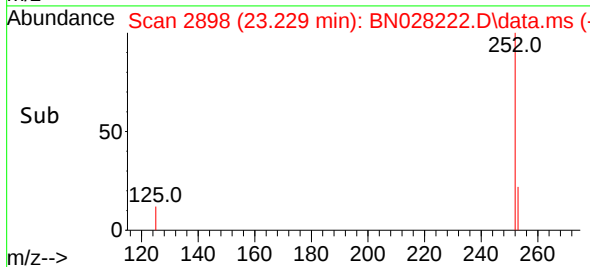
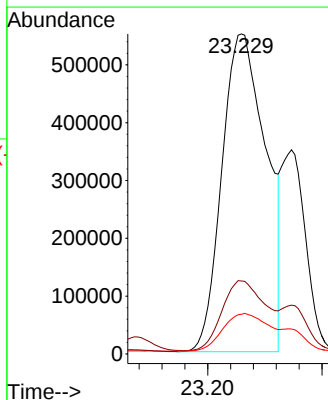
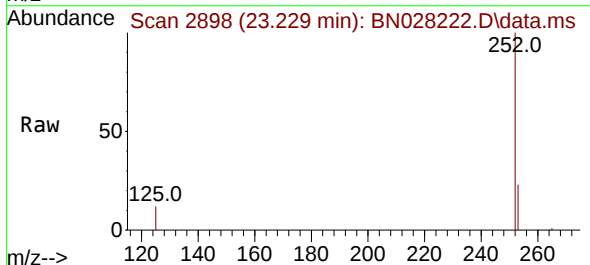
Manual Integrations
APPROVED

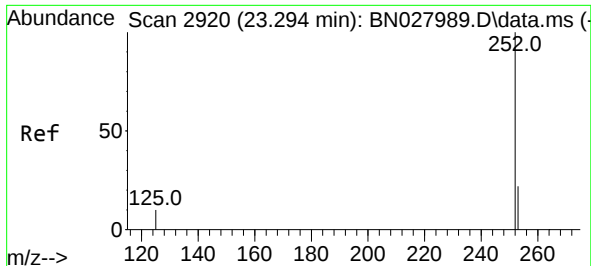
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 27.689 ng
RT: 23.229 min Scan# 2898
Delta R.T. 0.017 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

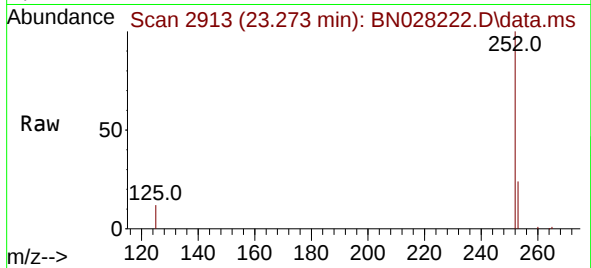
Tgt Ion:252 Resp: 1470446
Ion Ratio Lower Upper
252 100
253 22.8 22.9 34.3#
125 12.4 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 9.752 ng m
RT: 23.273 min Scan# 2920
Delta R.T. 0.011 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

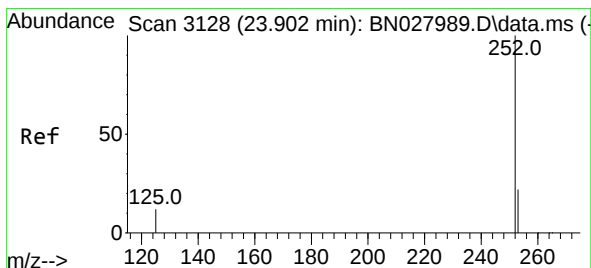
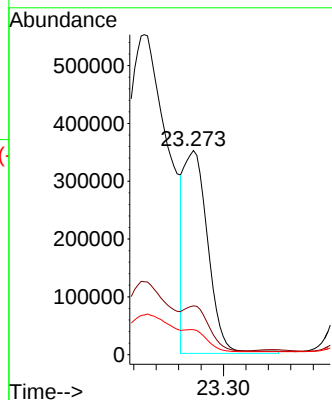
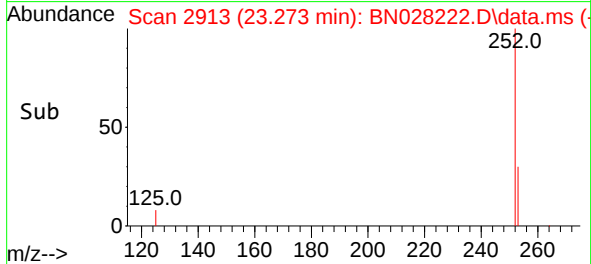
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



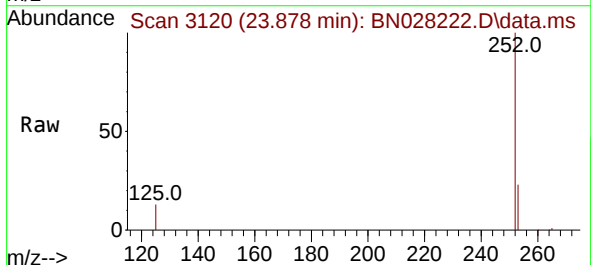
Tgt Ion:252 Resp: 52528
Ion Ratio Lower Upper
252 100
253 23.9 23.1 34.7
125 12.3 13.8 20.8

Manual Integrations
APPROVED

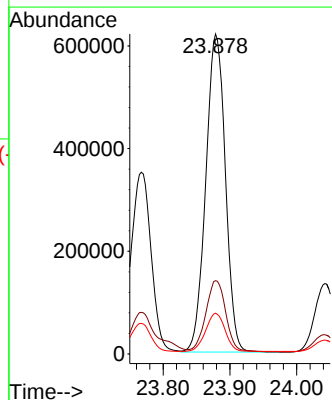
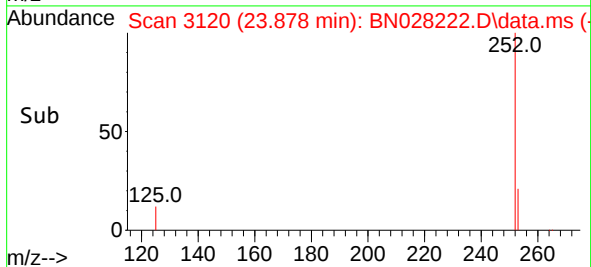
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

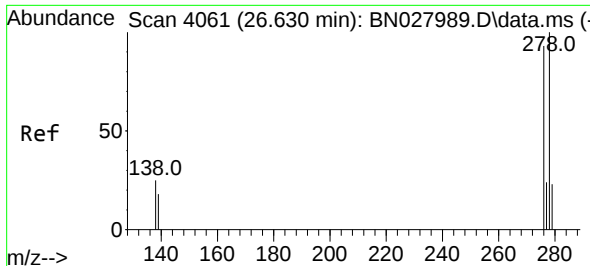


#39
Benzo(a)pyrene
Concen: 25.146 ng m
RT: 23.878 min Scan# 3120
Delta R.T. 0.014 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10



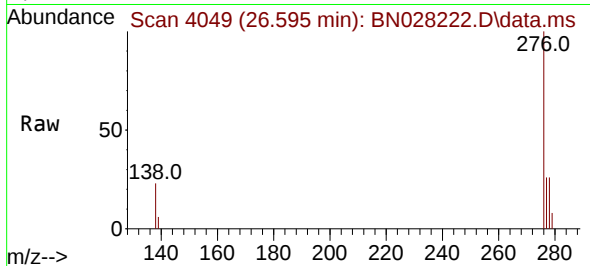
Tgt Ion:252 Resp: 1262680
Ion Ratio Lower Upper
252 100
253 22.9 25.0 37.4#
125 12.7 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 4.408 ng
RT: 26.595 min Scan# 4061
Delta R.T. 0.017 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

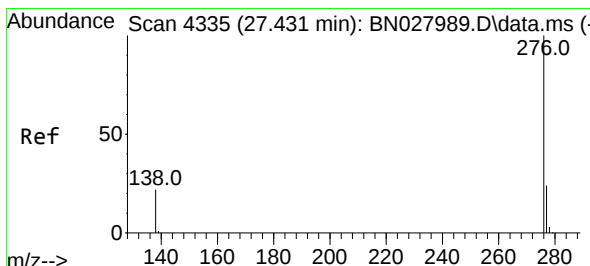
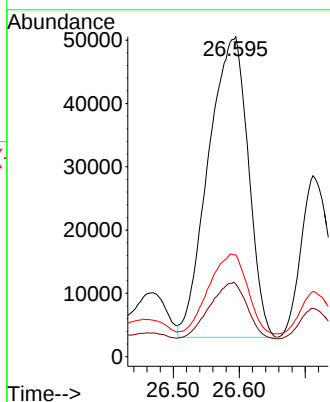
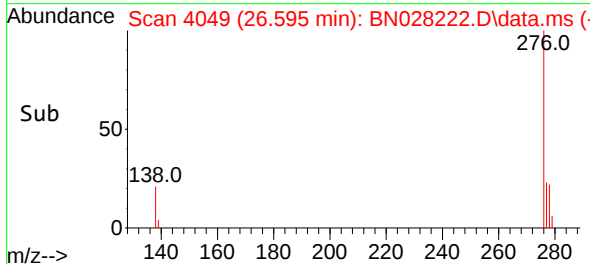
Instrument :
BNA_N
ClientSampleId :
E-1(0-5)



Tgt Ion:278 Resp: 199435
Ion Ratio Lower Upper
278 100
139 22.6 17.7 26.5
279 31.8 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#41
Benzo(g,h,i)perylene
Concen: 13.590 ng
RT: 27.399 min Scan# 4324
Delta R.T. 0.032 min
Lab File: BN028222.D
Acq: 11 Oct 2023 07:10

Tgt Ion:276 Resp: 631142
Ion Ratio Lower Upper
276 100
277 25.1 22.1 33.1
138 23.9 20.8 31.2

