

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028252.D
 Acq On : 12 Oct 2023 03:27
 Operator : MA/JU
 Sample : 04704-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 R-1(10-15)

Quant Time: Oct 12 04:09:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	2465	0.400	ng	0.00
7) Naphthalene-d8	10.725	136	8721	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	7774	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	13253	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	26093	0.400	ng	# 0.00
35) Perylene-d12	23.987	264	25440	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	2063	0.281	ng	-0.01
5) Phenol-d6	7.084	99	2455	0.265	ng	0.00
8) Nitrobenzene-d5	9.123	82	1925	0.259	ng	0.00
11) 2-Methylnaphthalene-d10	12.313	152	3157	0.244	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	689	0.194	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	4764	0.170	ng	-0.01
27) Fluoranthene-d10	19.356	212	7788	0.234	ng	0.00
31) Terphenyl-d14	19.941	244	9161	0.150	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.778	128	1211912	53.783	ng	98
12) 2-Methylnaphthalene	12.385	142	403463	25.596	ng	100
16) Acenaphthylene	14.288	152	978422	28.411	ng	99
17) Acenaphthene	14.619	154	282445	12.866	ng	98
18) Fluorene	15.606	166	988395	34.666	ng	98
25) Phenanthrene	17.368	178	6089263	170.426	ng	99
26) Anthracene	17.455	178	1485555	43.988	ng	# 93
28) Fluoranthene	19.388	202	4410098	106.951	ng	98
30) Pyrene	19.760	202	5270483	55.084	ng	96
32) Benzo(a)anthracene	21.497	228	2584576	29.109	ng	97
33) Chrysene	21.560	228	2320955	27.124	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	8361	0.143	ng	98
36) Indeno(1,2,3-cd)pyrene	26.586	276	1142047	13.346	ng	98
37) Benzo(b)fluoranthene	23.230	252	2447442	29.788	ng	# 89
38) Benzo(k)fluoranthene	23.271	252	837724m	10.052	ng	
39) Benzo(a)pyrene	23.882	252	2315245m	29.801	ng	
40) Dibenzo(a,h)anthracene	26.589	278	343610	4.909	ng	97
41) Benzo(g,h,i)perylene	27.399	276	1170647	16.292	ng	95

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

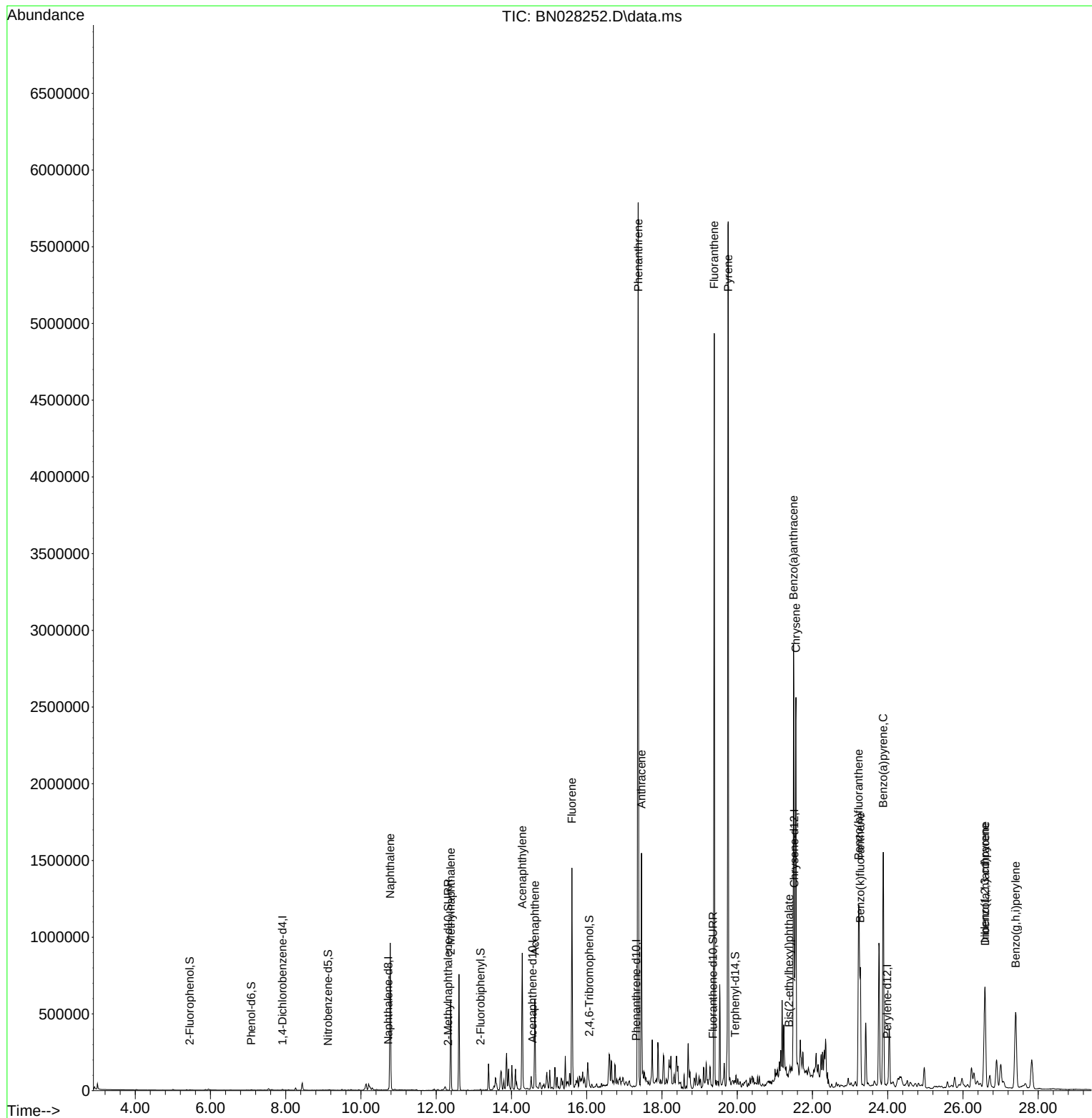
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
Data File : BN028252.D
Acq On : 12 Oct 2023 03:27
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ALS Vial : 22 Sample Multiplier: 1

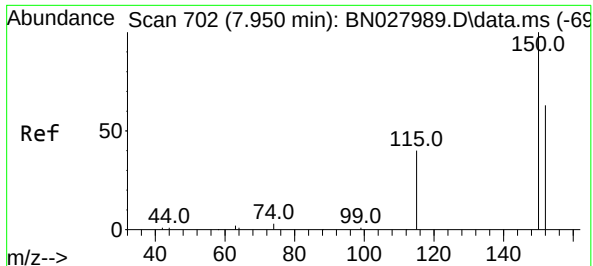
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)

Quant Time: Oct 12 04:09:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 04:03:12 2023
Response via : Initial Calibration

Manual Integrations
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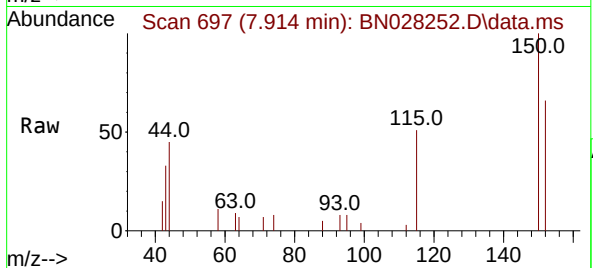
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

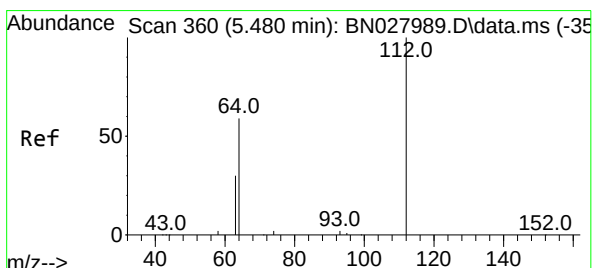
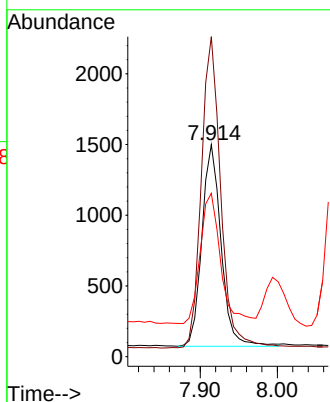
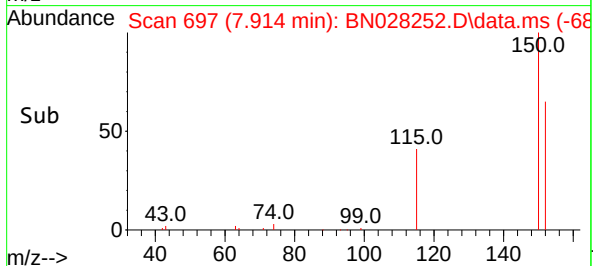
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion:152 Resp: 246
Ion Ratio Lower Upper
152 100
150 151.0 125.6 188.4
115 77.1 54.8 82.2

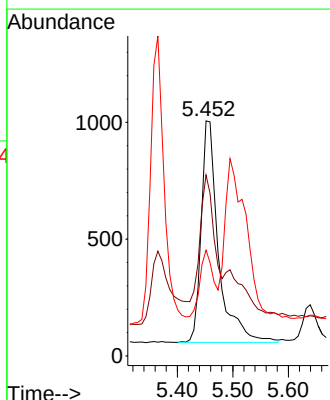
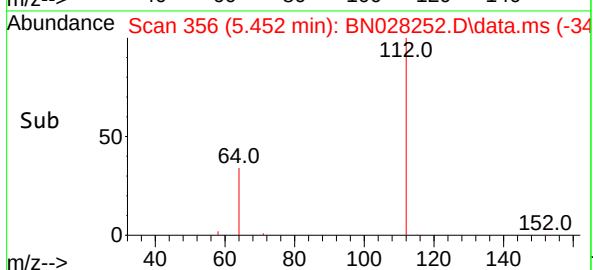
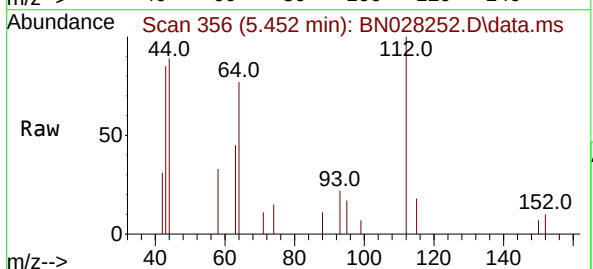
Manual Integrations
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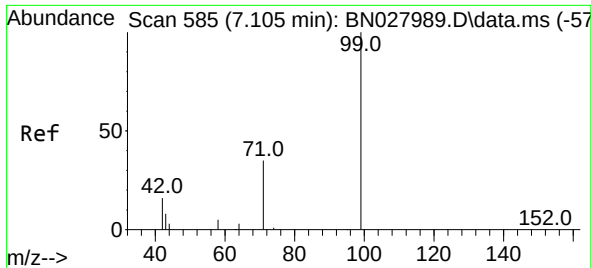
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#4
2-Fluorophenol
Concen: 0.281 ng
RT: 5.452 min Scan# 356
Delta R.T. -0.015 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

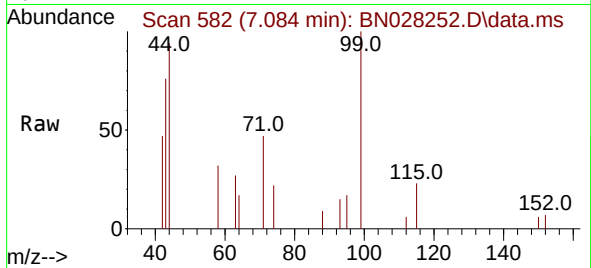
Tgt Ion:112 Resp: 2063
Ion Ratio Lower Upper
112 100
64 44.9 45.0 67.6#
63 23.8 23.4 35.0





#5
Phenol-d6
Concen: 0.265 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

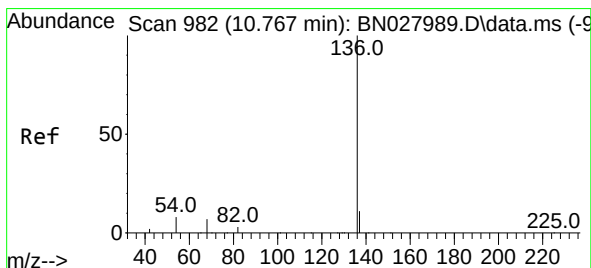
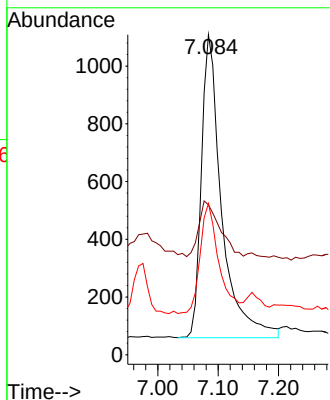
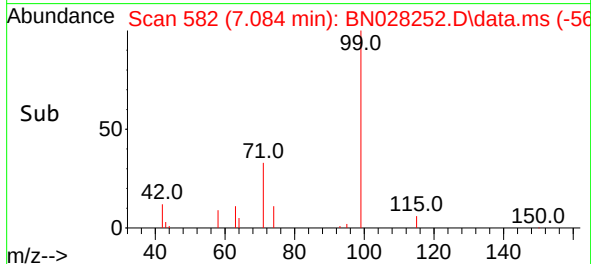
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



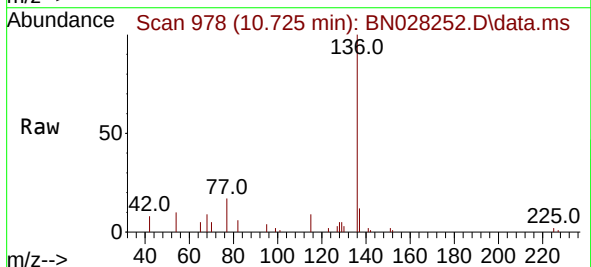
Tgt Ion: 99 Resp: 245
Ion Ratio Lower Upper
99 100
42 18.6 14.6 22.0
71 33.4 28.3 42.5

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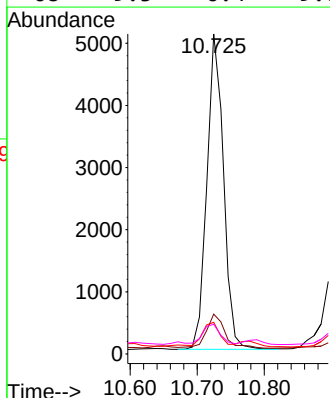
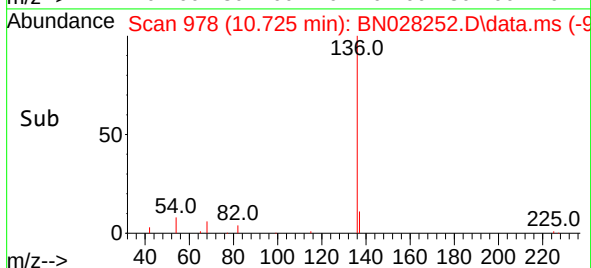
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

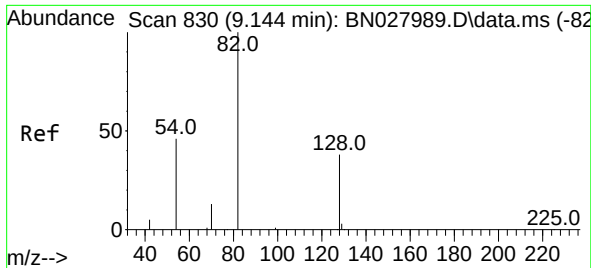


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.725 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27



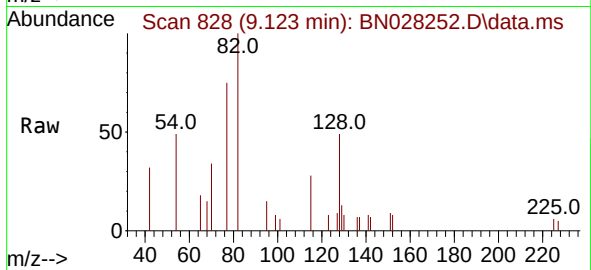
Tgt Ion:136 Resp: 8721
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.0
54 9.9 7.0 10.6
68 9.3 6.4 9.6





#8
Nitrobenzene-d5
Concen: 0.259 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

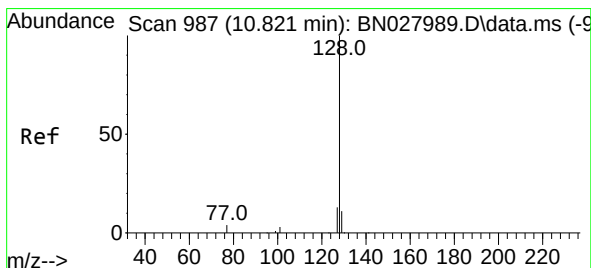
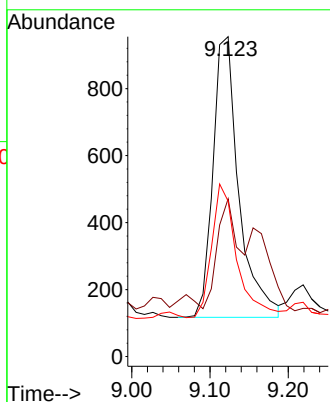
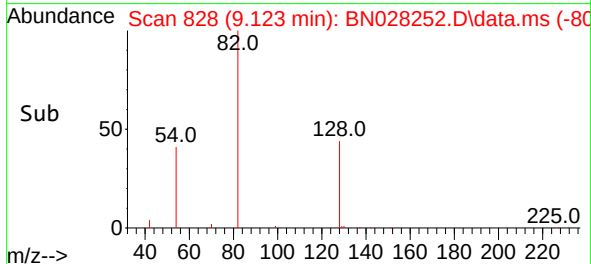
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion: 82 Resp: 192
Ion Ratio Lower Upper
82 100
128 49.3 32.7 49.1
54 48.6 38.7 58.1

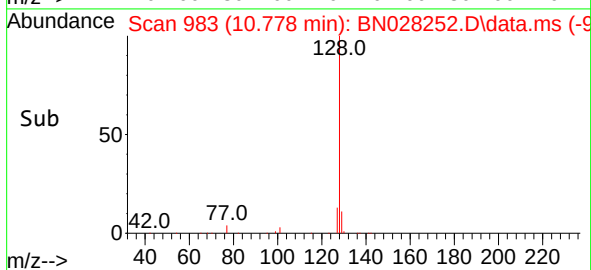
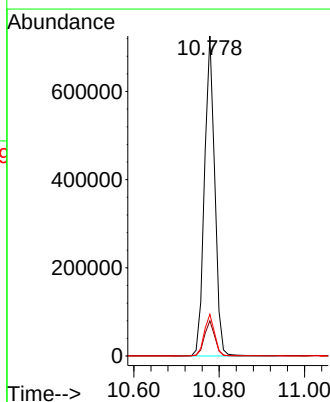
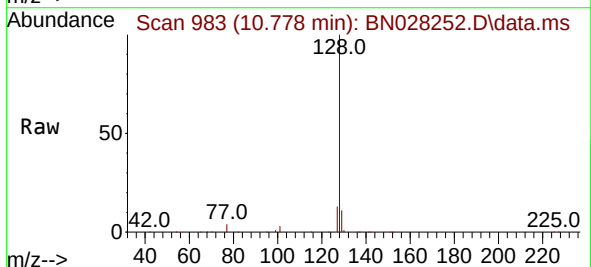
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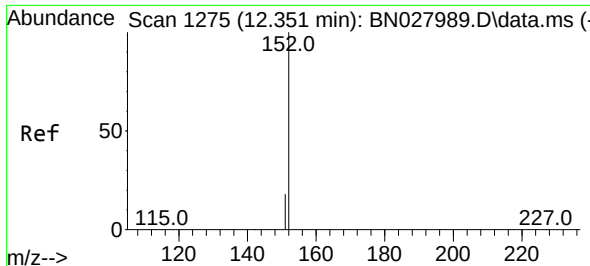
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#9
Naphthalene
Concen: 53.783 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

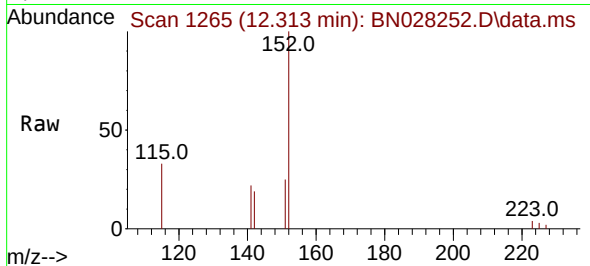
Tgt Ion:128 Resp: 1211912
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.2
127 13.0 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.244 ng
RT: 12.313 min Scan# 1275
Delta R.T. -0.011 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

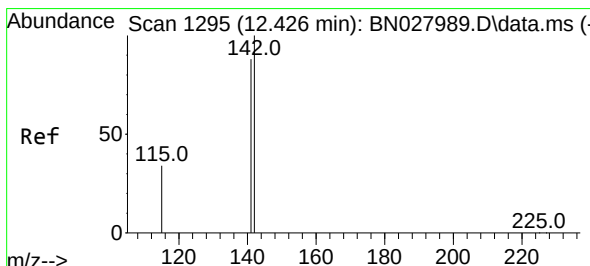
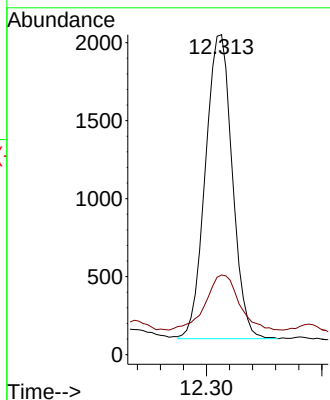
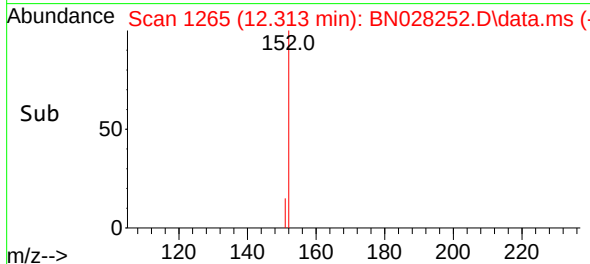
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion:152 Resp: 315
Ion Ratio Lower Upper
152 100
151 25.7 16.5 24.7

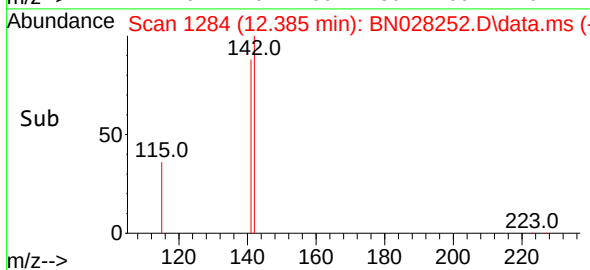
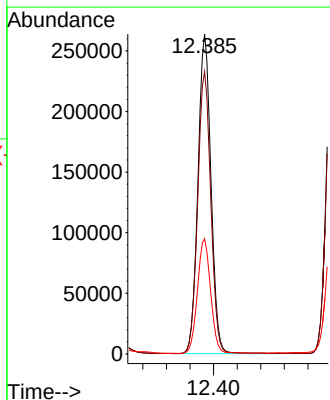
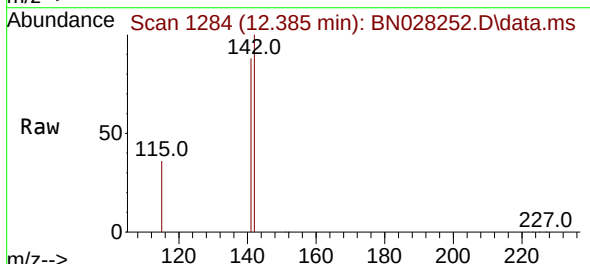
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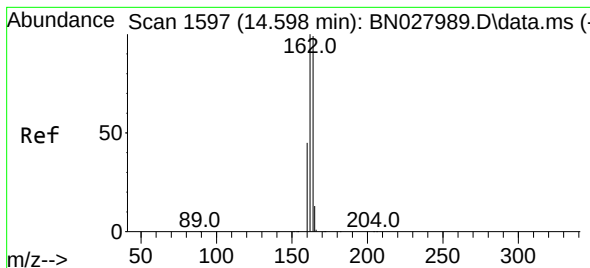
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#12
2-Methylnaphthalene
Concen: 25.596 ng
RT: 12.385 min Scan# 1284
Delta R.T. -0.015 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

Tgt Ion:142 Resp: 403463
Ion Ratio Lower Upper
142 100
141 88.2 70.7 106.1
115 36.0 28.6 42.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.555 min Scan# 1593

Delta R.T. -0.011 min

Lab File: BN028252.D

Acq: 12 Oct 2023 03:27

Instrument :

BNA_N

ClientSampleId :

R-1(10-15)

Tgt Ion:164 Resp: 7774

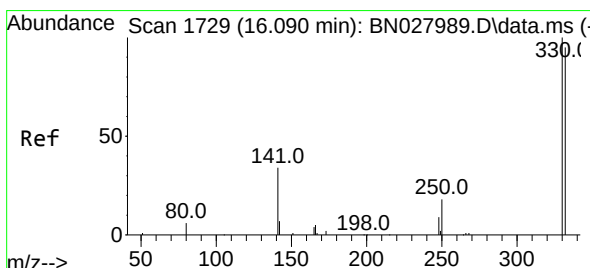
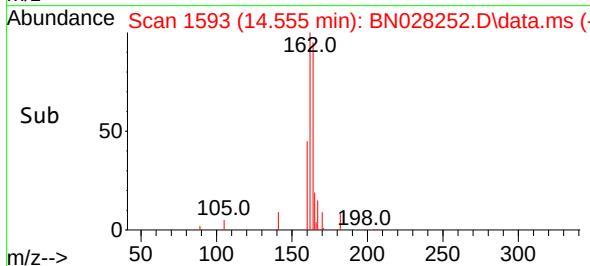
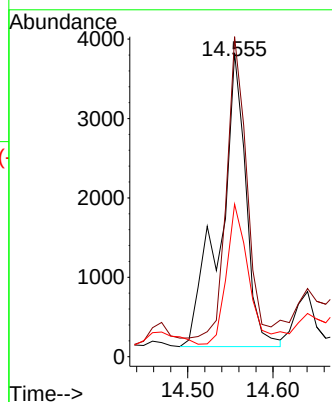
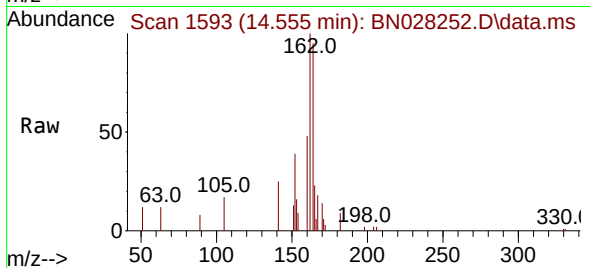
Ion	Ratio	Lower	Upper
164	100		
162	105.3	80.8	121.2
160	50.2	36.4	54.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/12/2023

Supervised By :mohammad ahmed 10/13/2023



#14

2,4,6-Tribromophenol

Concen: 0.194 ng

RT: 16.065 min Scan# 1727

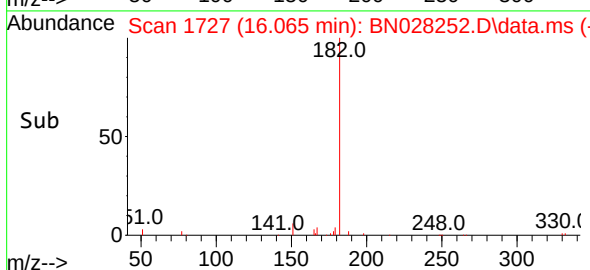
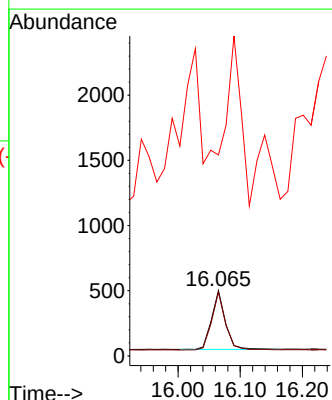
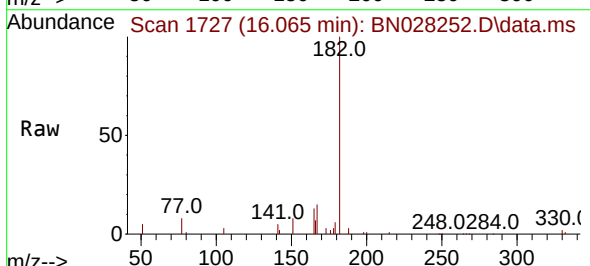
Delta R.T. -0.012 min

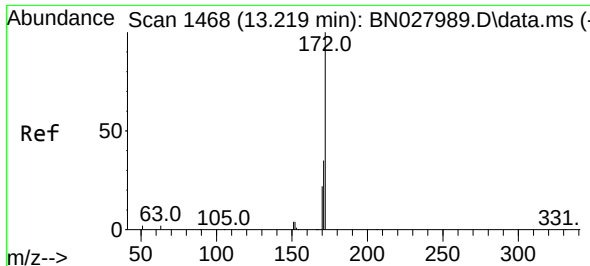
Lab File: BN028252.D

Acq: 12 Oct 2023 03:27

Tgt Ion:330 Resp: 689

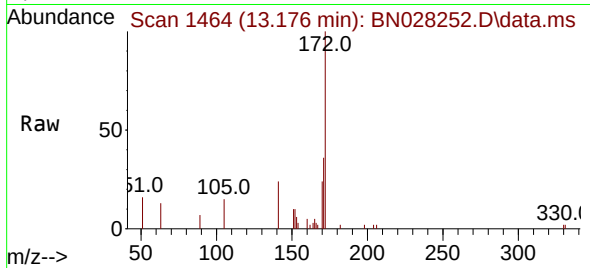
Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.1	117.1
141	0.0	33.4	50.2





#15
2-Fluorobiphenyl
Concen: 0.170 ng
RT: 13.176 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

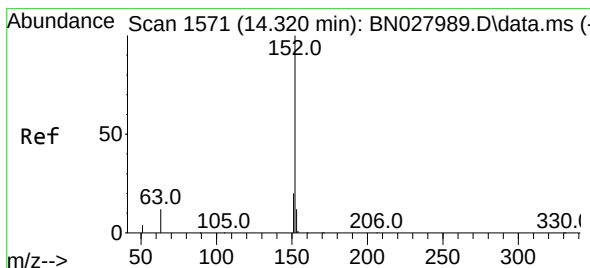
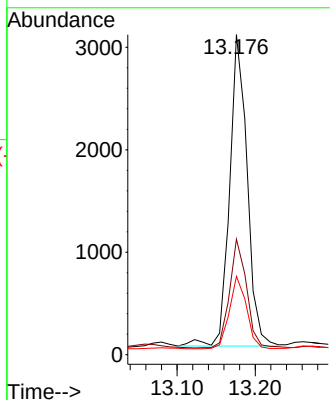
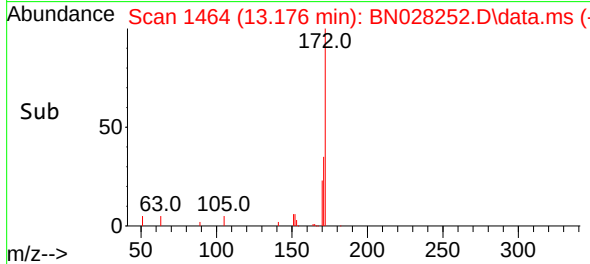
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion:172 Resp: 4764
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 24.5 18.4 27.6

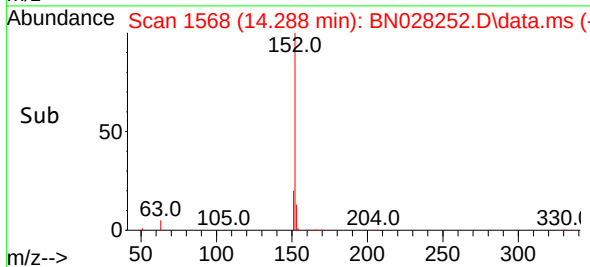
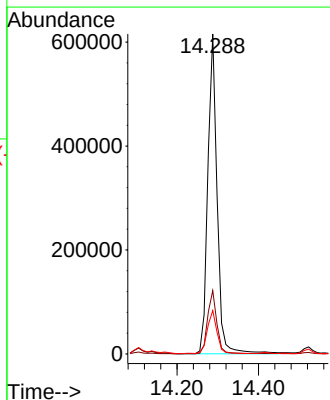
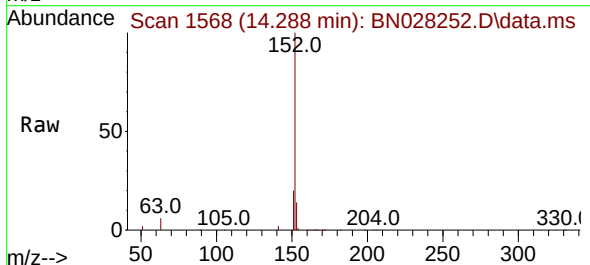
Manual Integrations
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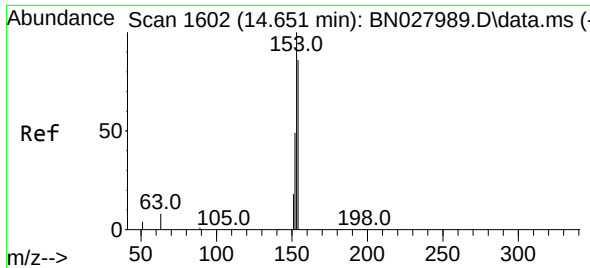
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#16
Acenaphthylene
Concen: 28.411 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

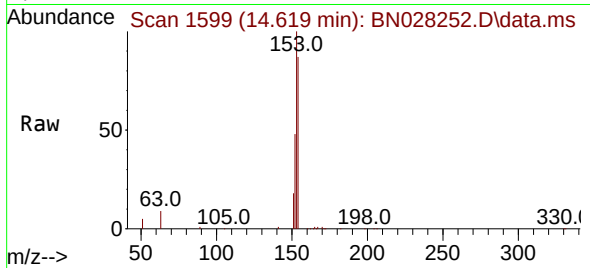
Tgt Ion:152 Resp: 978422
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 14.0 10.2 15.4





#17
Acenaphthene
Concen: 12.866 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

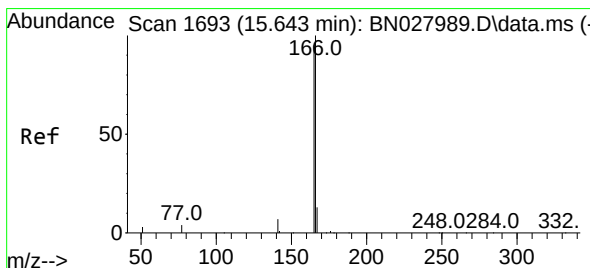
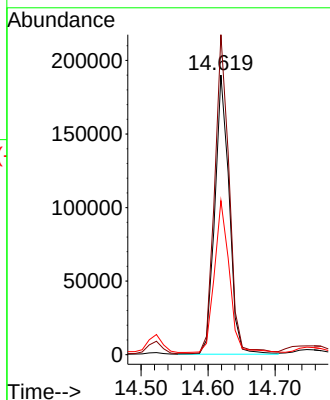
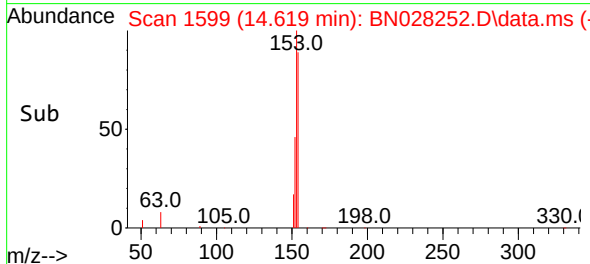
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



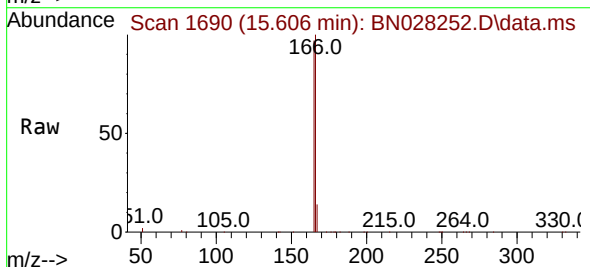
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Ion Ratio Lower Upper
154 100
153 115.9 90.8 136.2
152 55.9 43.9 65.9

Manual Integrations
APPROVED

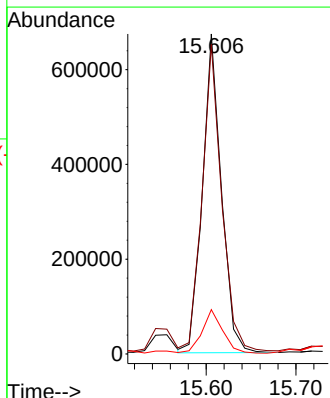
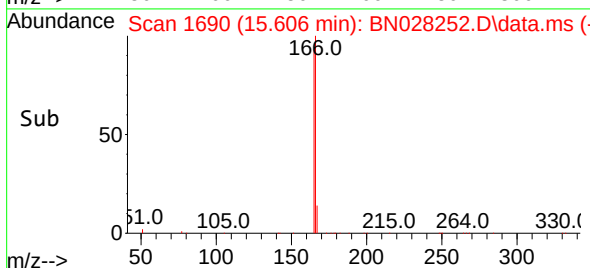
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

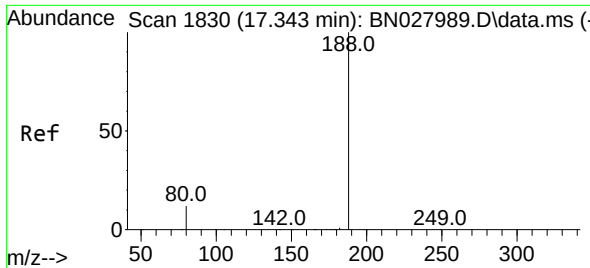


#18
Fluorene
Concen: 34.666 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27



Tgt Ion:166 Resp: 988395
Ion Ratio Lower Upper
166 100
165 98.7 77.8 116.8
167 15.6 10.7 16.1





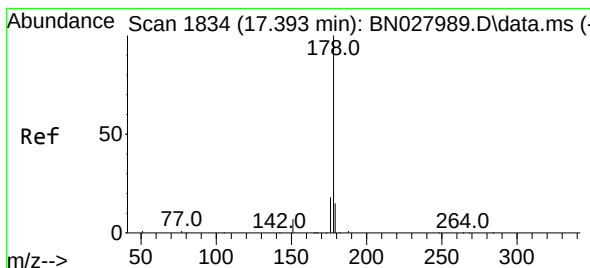
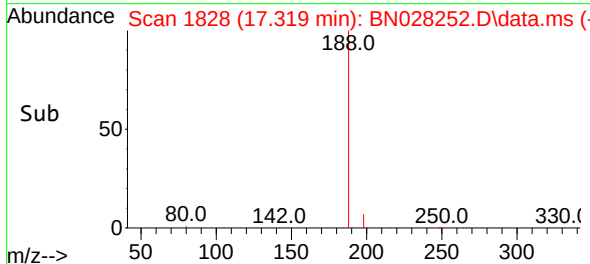
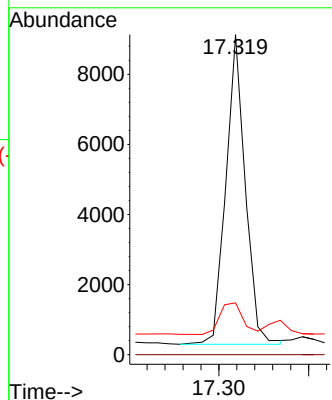
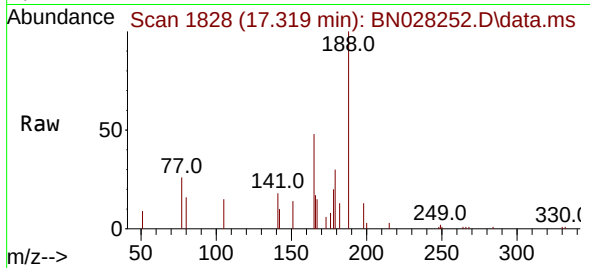
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

Instrument :
BNA_N
ClientSampleId :
R-1(10-15)

Tgt Ion:188 Resp: 1325
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.2 10.2 15.4

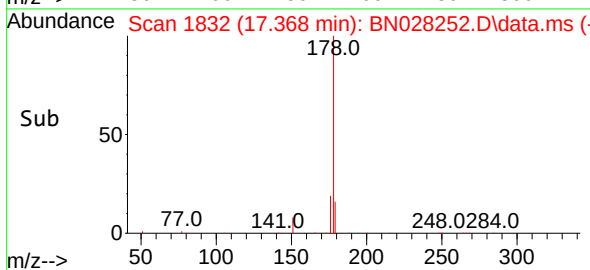
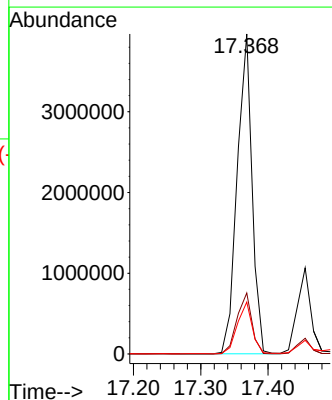
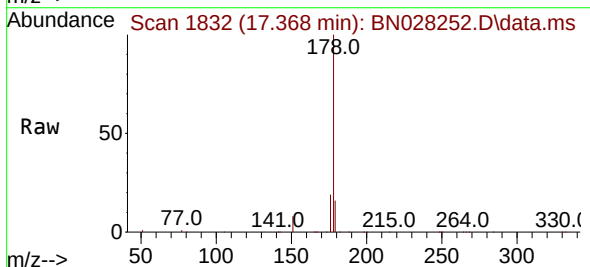
Manual Integrations
APPROVED

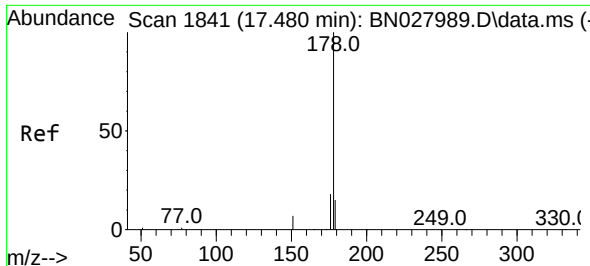
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#25
Phenanthrene
Concen: 170.426 ng
RT: 17.368 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

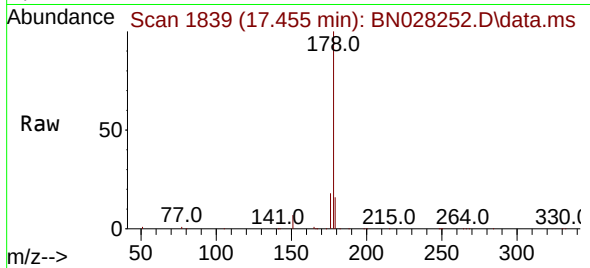
Tgt Ion:178 Resp: 6089263
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.3 12.4 18.6





#26
 Anthracene
 Concen: 43.988 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028252.D
 Acq: 12 Oct 2023 03:27

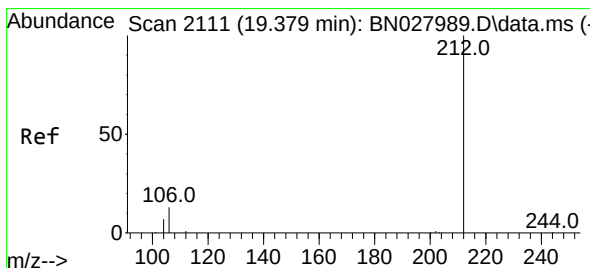
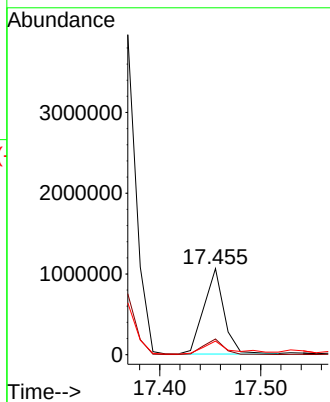
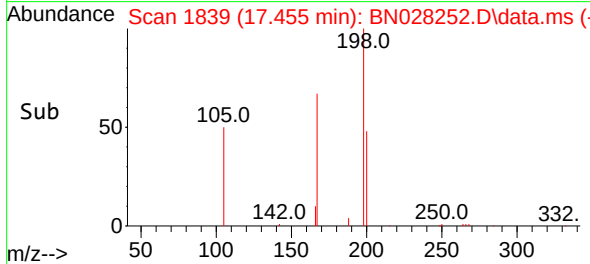
Instrument :
 BNA_N
 ClientSampleId :
 R-1(10-15)



Tgt Ion:178 Resp: 148555
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 21.5 12.2 18.2

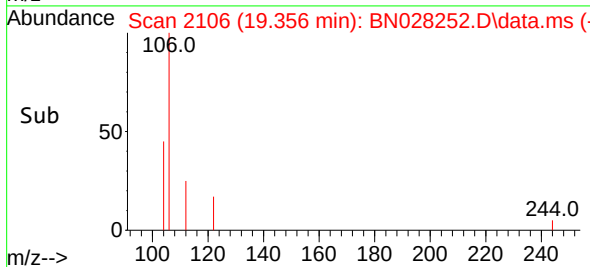
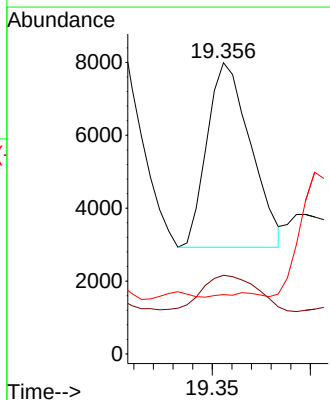
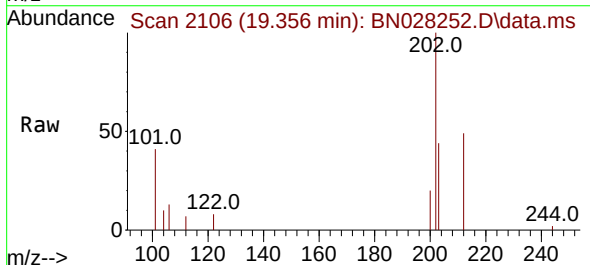
Manual Integrations
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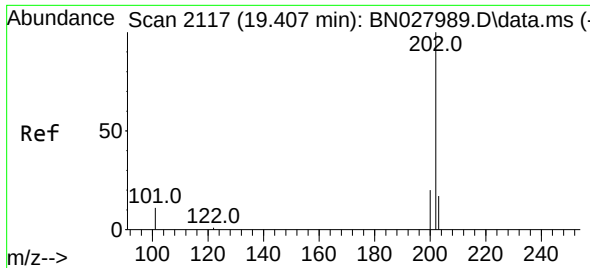
Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023



#27
 Fluoranthene-d10
 Concen: 0.234 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028252.D
 Acq: 12 Oct 2023 03:27

Tgt Ion:212 Resp: 7788
 Ion Ratio Lower Upper
 212 100
 106 25.1 11.3 16.9#
 104 0.0 6.4 9.6#





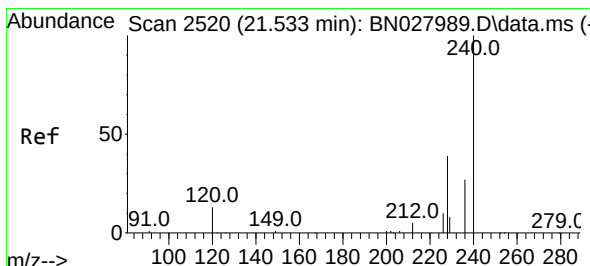
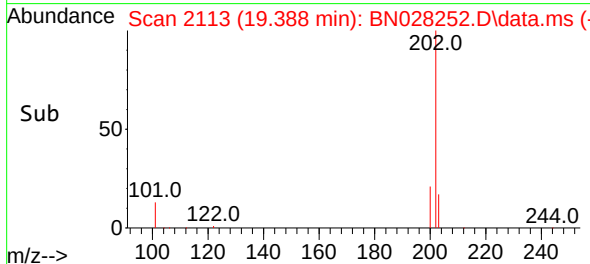
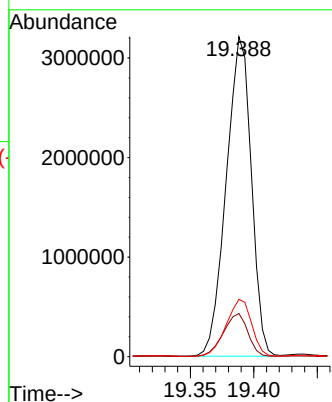
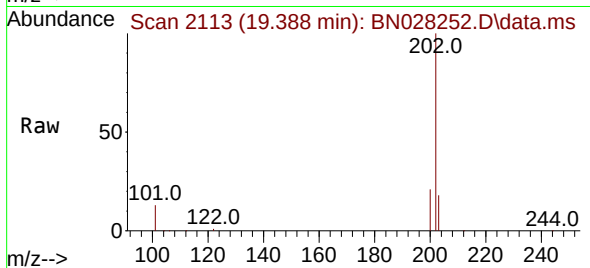
#28
Fluoranthene
Concen: 106.951 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

Instrument :
BNA_N
ClientSampleId :
R-1(10-15)

Tgt Ion:202 Resp: 4410098
Ion Ratio Lower Upper
202 100
101 13.2 9.8 14.6
203 18.0 13.8 20.8

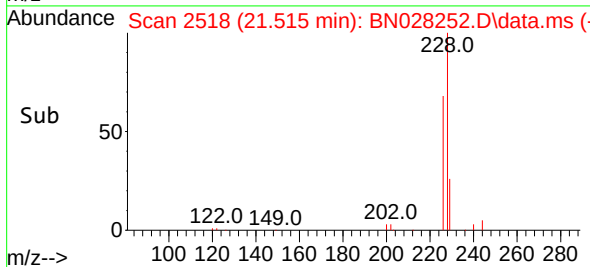
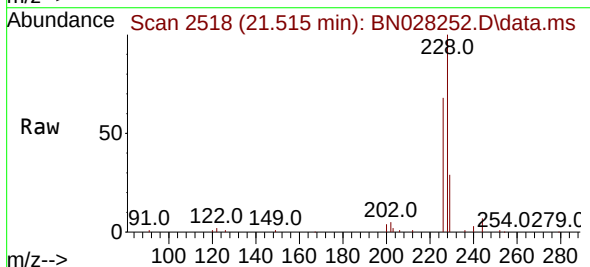
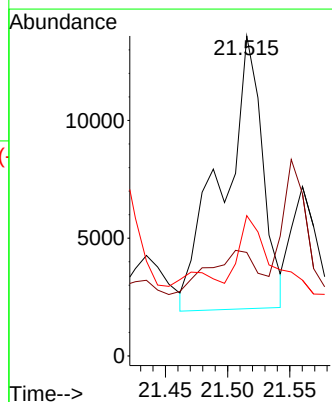
Manual Integrations
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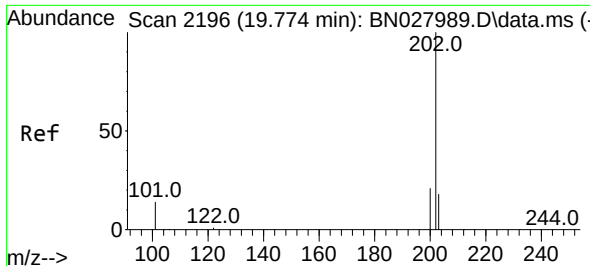
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

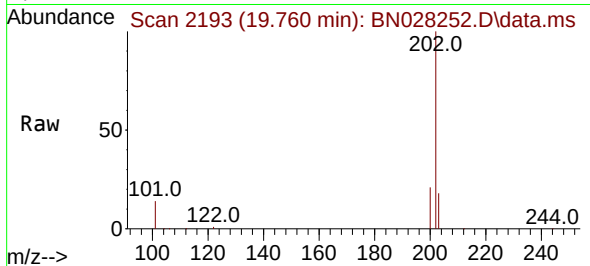
Tgt Ion:240 Resp: 26093
Ion Ratio Lower Upper
240 100
120 32.3 13.8 20.6#
236 43.9 22.6 33.8#





#30
Pyrene
Concen: 55.084 ng
RT: 19.760 min Scan# 2196
Delta R.T. 0.009 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

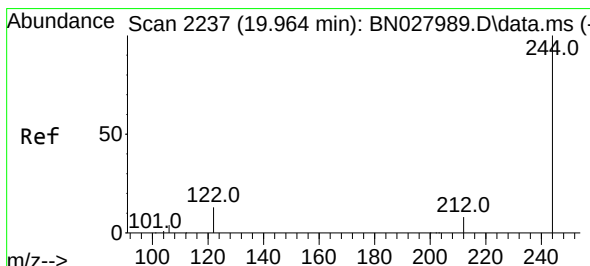
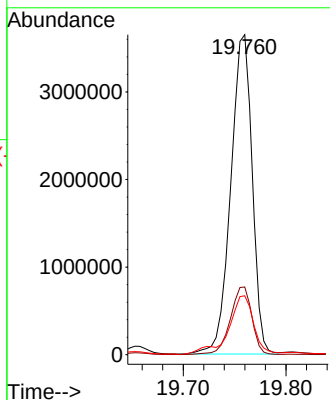
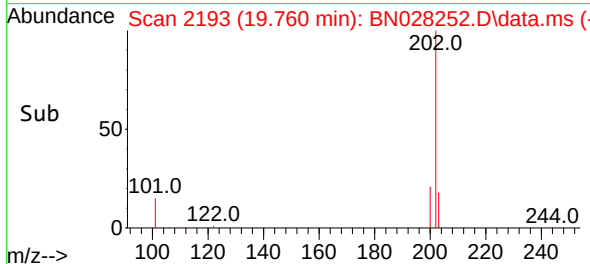
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion:202 Resp: 527048
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 21.2 14.7 22.1

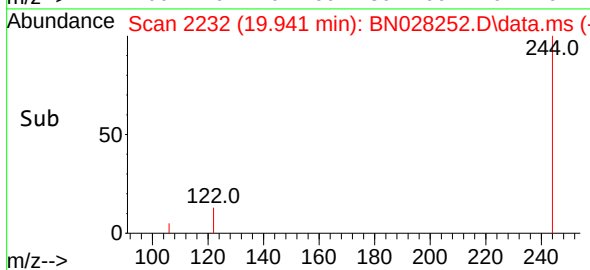
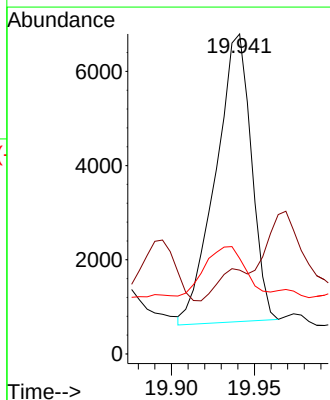
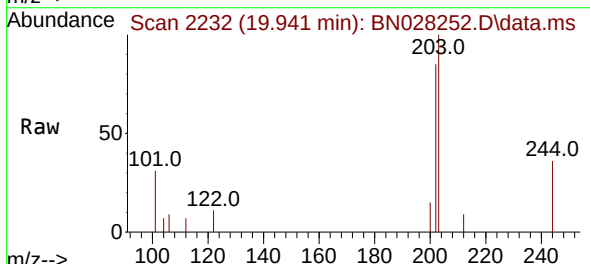
Manual Integrations
APPROVED

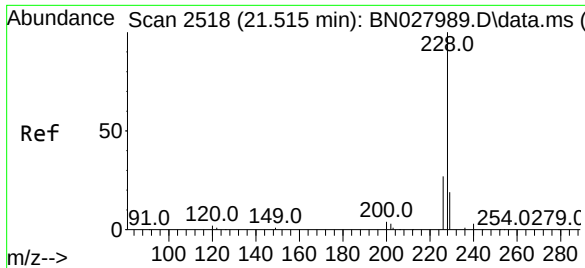
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#31
Terphenyl-d14
Concen: 0.150 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

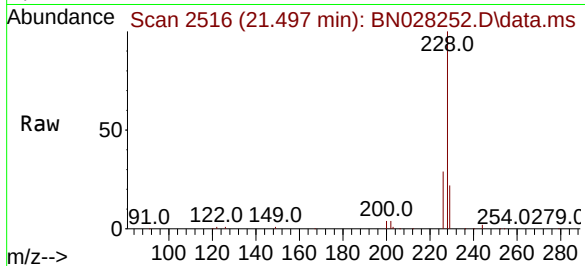
Tgt Ion:244 Resp: 9161
Ion Ratio Lower Upper
244 100
212 26.2 6.6 9.8#
122 29.9 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 29.109 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

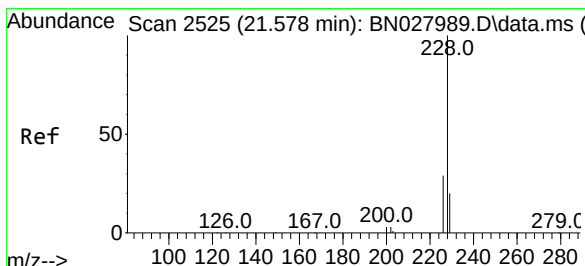
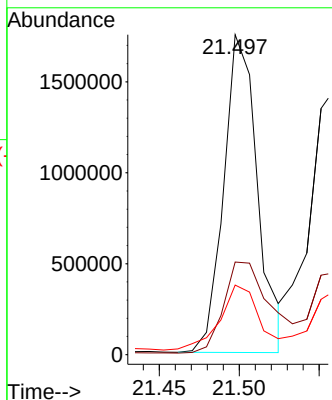
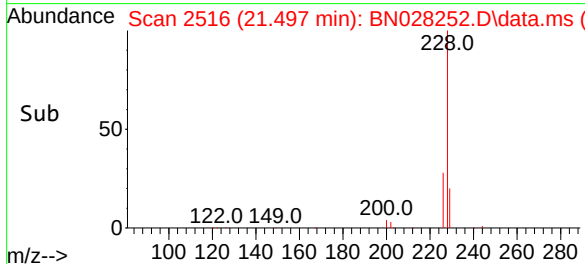
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



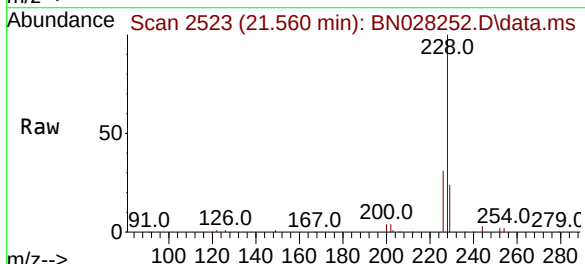
Tgt Ion:228 Resp: 2584570
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 21.7 16.0 24.0

Manual Integrations
APPROVED

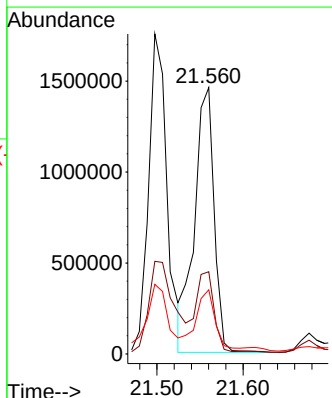
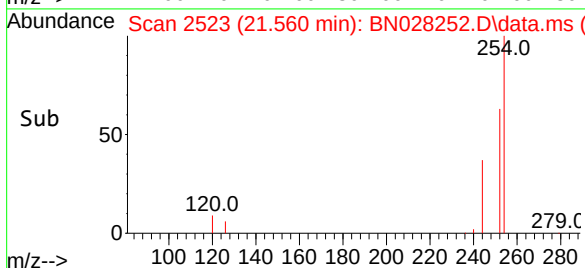
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

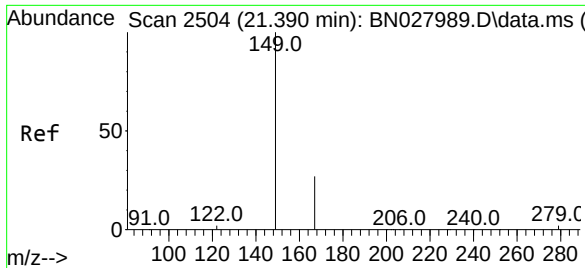


#33
Chrysene
Concen: 27.124 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27



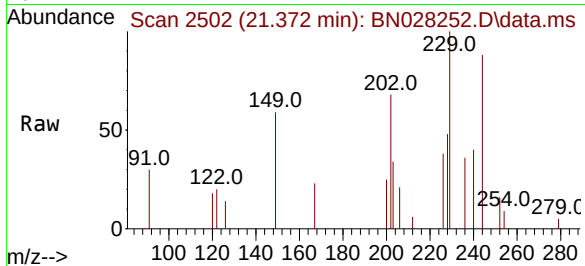
Tgt Ion:228 Resp: 2320955
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 24.1 16.6 25.0





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.143 ng
 RT: 21.372 min Scan# 2136
 Delta R.T. 0.009 min
 Lab File: BN028252.D
 Acq: 12 Oct 2023 03:27

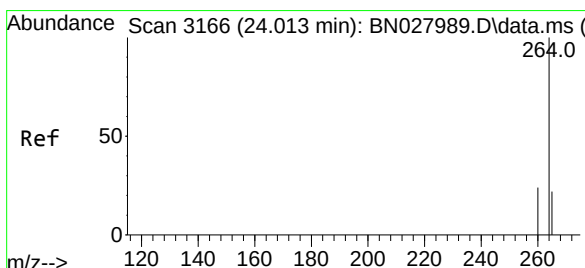
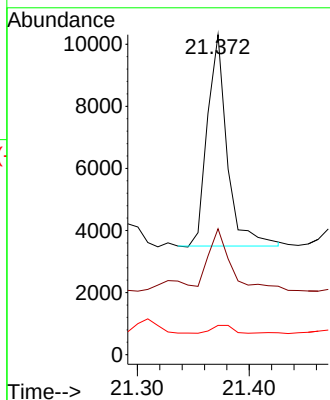
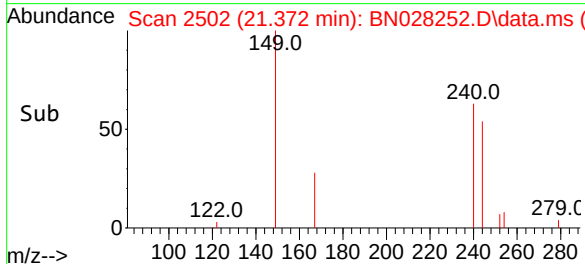
Instrument :
 BNA_N
 ClientSampleId :
 R-1(10-15)



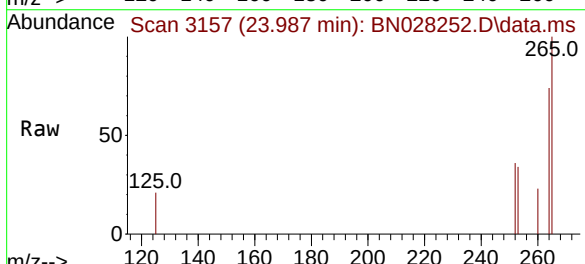
Tgt Ion:149 Resp: 836
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.1 33.1
 279 3.9 3.4 5.0

Manual Integrations
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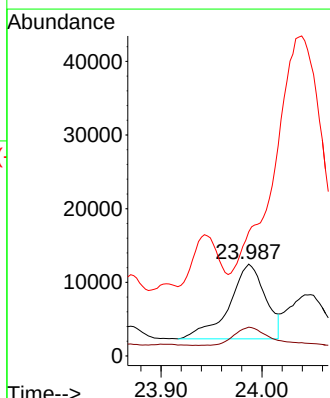
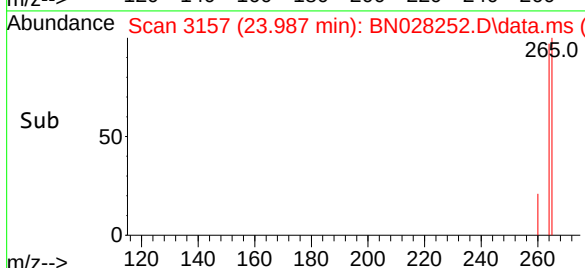
Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :mohammad ahmed 10/13/2023

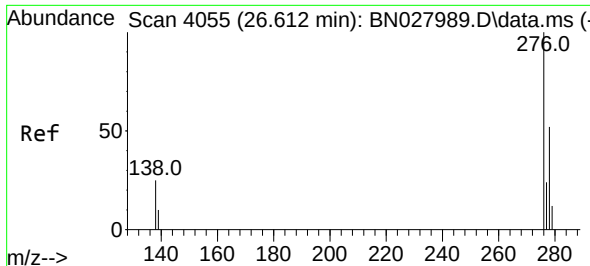


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.987 min Scan# 3157
 Delta R.T. 0.012 min
 Lab File: BN028252.D
 Acq: 12 Oct 2023 03:27



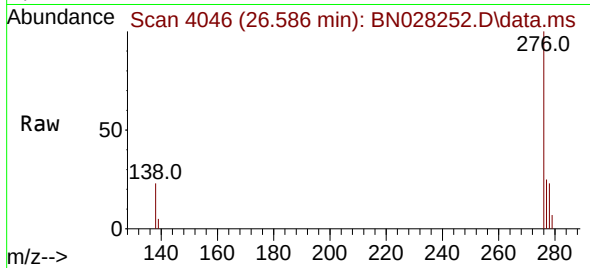
Tgt Ion:264 Resp: 25440
 Ion Ratio Lower Upper
 264 100
 260 31.3 20.2 30.4#
 265 135.0 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 13.346 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

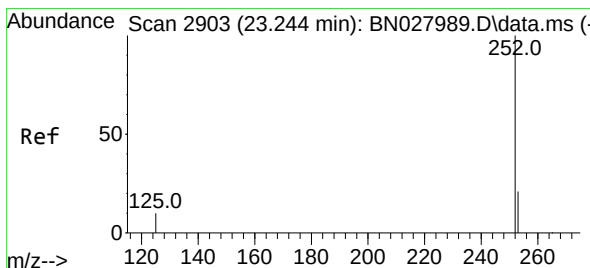
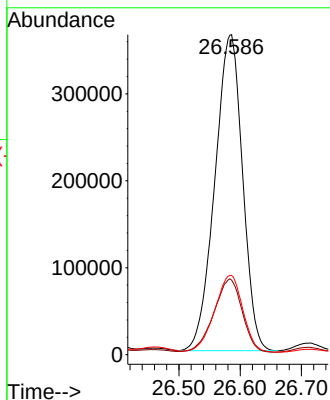
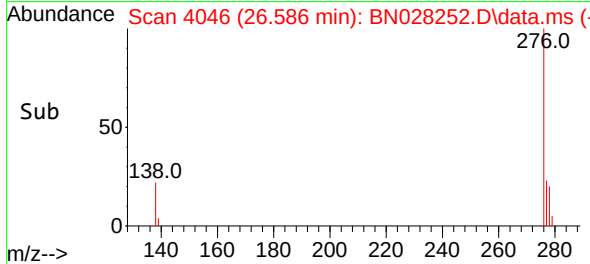
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion:276 Resp: 114204
Ion Ratio Lower Upper
276 100
138 23.7 20.9 31.3
277 24.8 19.8 29.6

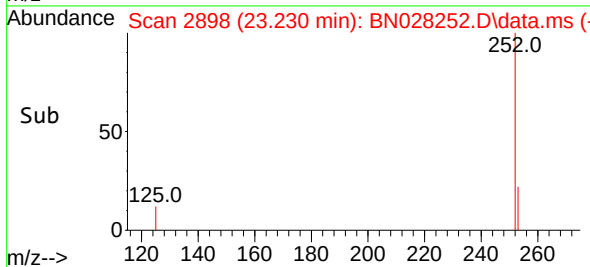
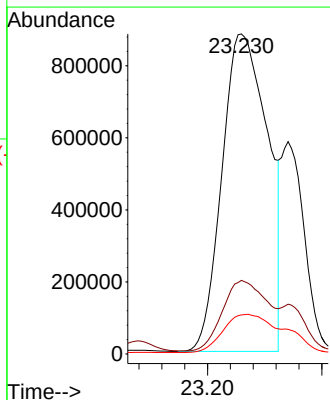
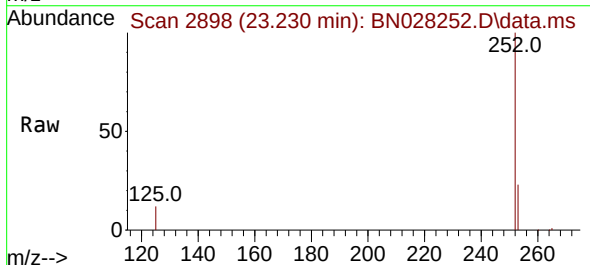
Manual Integrations
APPROVED

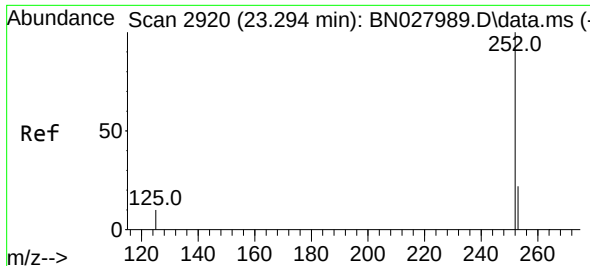
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#37
Benzo(b)fluoranthene
Concen: 29.788 ng
RT: 23.230 min Scan# 2898
Delta R.T. 0.017 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

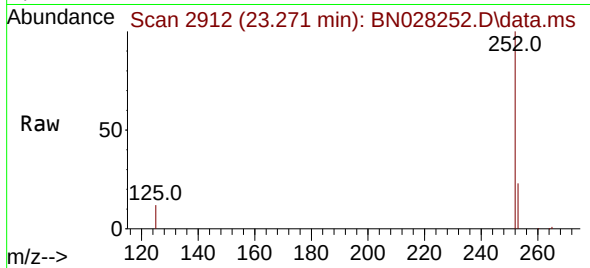
Tgt Ion:252 Resp: 2447442
Ion Ratio Lower Upper
252 100
253 23.0 22.9 34.3
125 12.2 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 10.052 ng m
RT: 23.271 min Scan# 2912
Delta R.T. 0.009 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

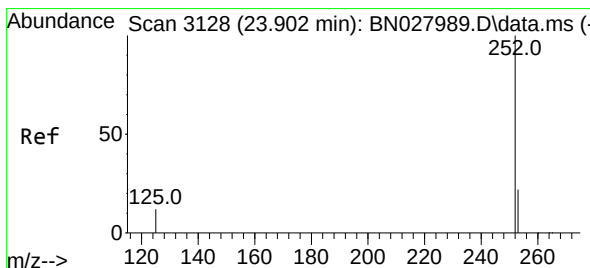
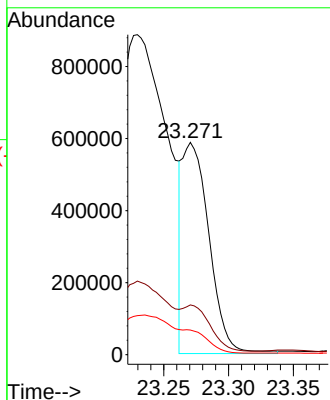
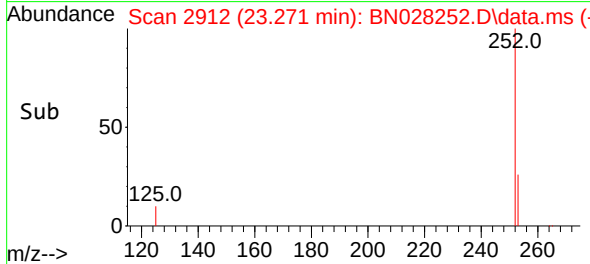
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



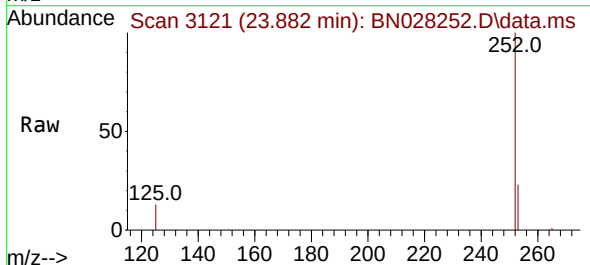
Tgt Ion:252 Resp: 837724
Ion Ratio Lower Upper
252 100
253 23.5 23.1 34.7
125 11.6 13.8 20.8

Manual Integrations
APPROVED

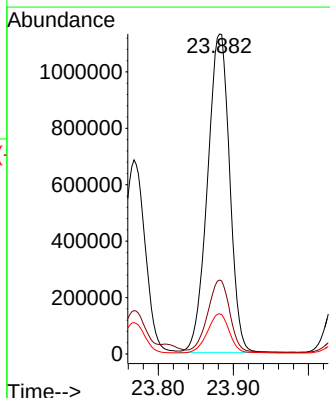
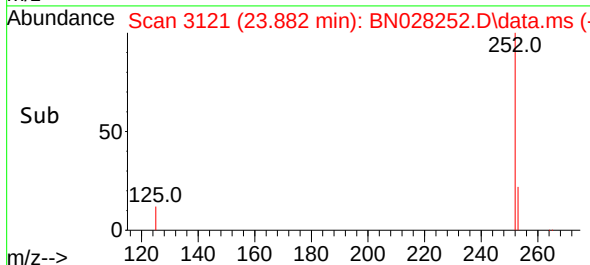
Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023

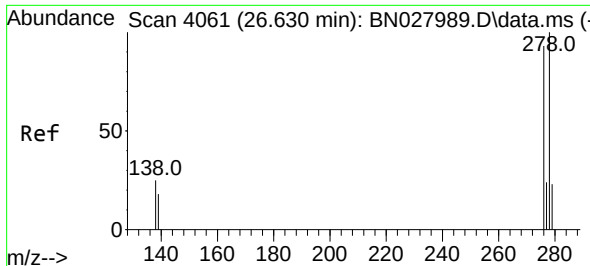


#39
Benzo(a)pyrene
Concen: 29.801 ng m
RT: 23.882 min Scan# 3121
Delta R.T. 0.017 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27



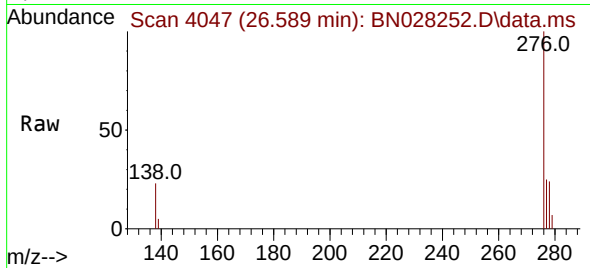
Tgt Ion:252 Resp: 2315245
Ion Ratio Lower Upper
252 100
253 23.1 25.0 37.4#
125 12.6 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 4.909 ng
RT: 26.589 min Scan# 4061
Delta R.T. 0.012 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

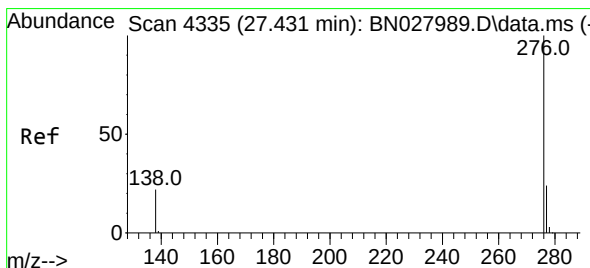
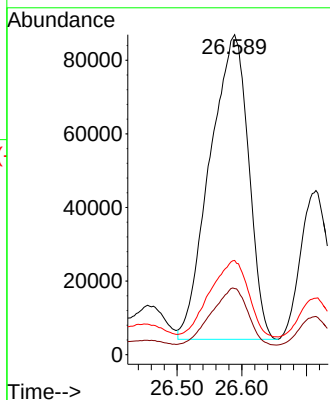
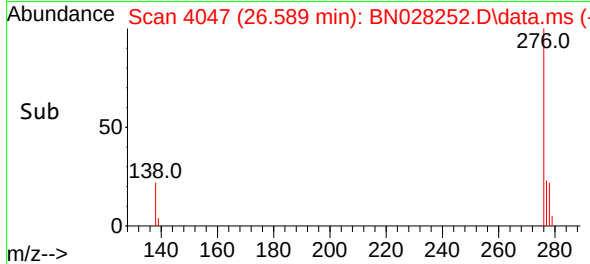
Instrument :
BNA_N
ClientSampleId :
R-1(10-15)



Tgt Ion:278 Resp: 343610
Ion Ratio Lower Upper
278 100
139 20.6 17.7 26.5
279 29.4 25.2 37.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/12/2023
Supervised By :mohammad ahmed 10/13/2023



#41
Benzo(g,h,i)perylene
Concen: 16.292 ng
RT: 27.399 min Scan# 4324
Delta R.T. 0.032 min
Lab File: BN028252.D
Acq: 12 Oct 2023 03:27

Tgt Ion:276 Resp: 1170647
Ion Ratio Lower Upper
276 100
277 24.3 22.1 33.1
138 23.8 20.8 31.2

