

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028224.D
 Acq On : 11 Oct 2023 08:22
 Operator : MA/JU
 Sample : 04767-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-2(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 08:55:09 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	7.922	152	3583	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11381	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6817	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12270	0.400	ng	0.00
29) Chrysene-d12	21.515	240	10760	0.400	ng	# 0.00
35) Perylene-d12	23.978	264	12808	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2656	0.249	ng	0.00
5) Phenol-d6	7.084	99	3899	0.289	ng	0.00
8) Nitrobenzene-d5	9.112	82	2744	0.283	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	4612	0.274	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	526	0.168	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	6237	0.254	ng	0.00
27) Fluoranthene-d10	19.356	212	8429	0.274	ng	0.00
31) Terphenyl-d14	19.941	244	7238	0.288	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	92273	3.138	ng	99
12) 2-Methylnaphthalene	12.392	142	27378	1.331	ng	99
16) Acenaphthylene	14.288	152	90737	3.005	ng	99
17) Acenaphthene	14.630	154	7490	0.389	ng	93
18) Fluorene	15.606	166	18096	0.724	ng	# 89
25) Phenanthrene	17.356	178	192288	5.813	ng	99
26) Anthracene	17.455	178	68411	2.188	ng	97
28) Fluoranthene	19.384	202	296400	7.764	ng	100
30) Pyrene	19.751	202	258582	6.554	ng	100
32) Benzo(a)anthracene	21.497	228	154876	4.230	ng	97
33) Chrysene	21.551	228	125236	3.549	ng	95
34) Bis(2-ethylhexyl)phtha...	21.372	149	4088	0.170	ng	# 78
36) Indeno(1,2,3-cd)pyrene	26.568	276	145055	3.367	ng	96
37) Benzo(b)fluoranthene	23.218	252	203922	4.930	ng	92
38) Benzo(k)fluoranthene	23.265	252	72239m	1.722	ng	
39) Benzo(a)pyrene	23.870	252	153332	3.920	ng	# 89
40) Dibenzo(a,h)anthracene	26.580	278	33143	0.940	ng	# 82
41) Benzo(g,h,i)perylene	27.384	276	170530	4.714	ng	97

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

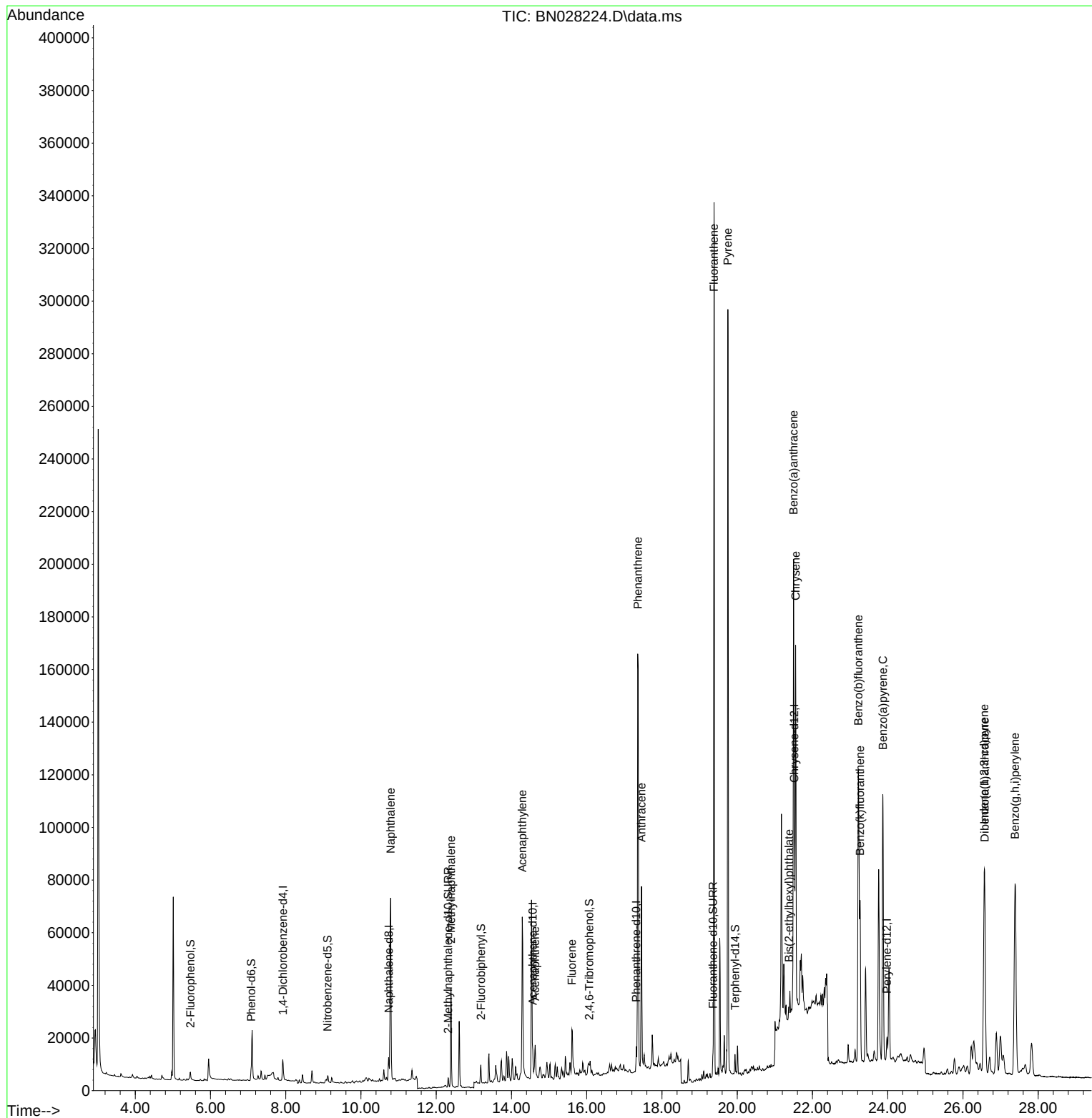
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028224.D
Acq On : 11 Oct 2023 08:22
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ALS Vial : 32 Sample Multiplier: 1

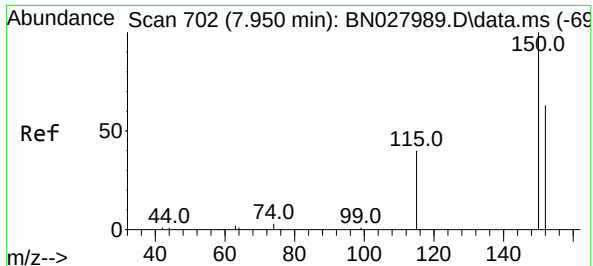
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

Quant Time: Oct 11 08:55:09 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
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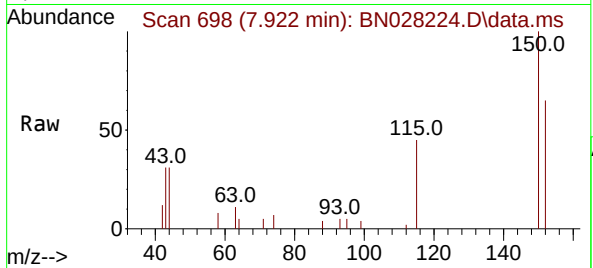
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

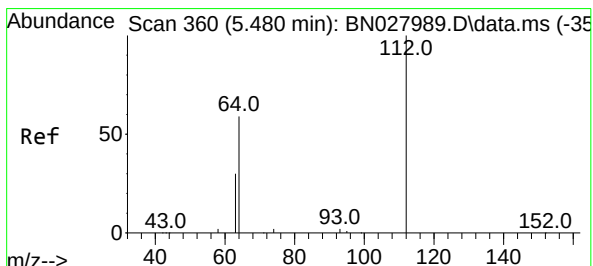
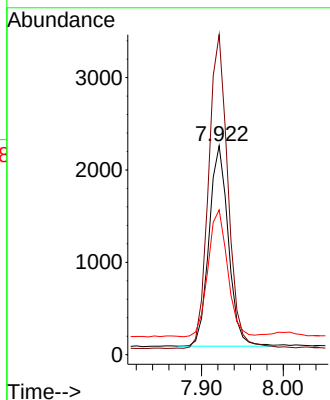
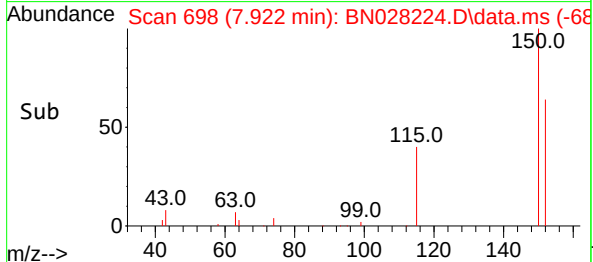
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:152 Resp: 358
Ion Ratio Lower Upper
152 100
150 153.2 125.6 188.4
115 69.3 54.8 82.2

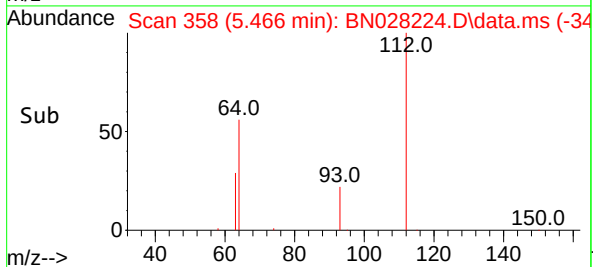
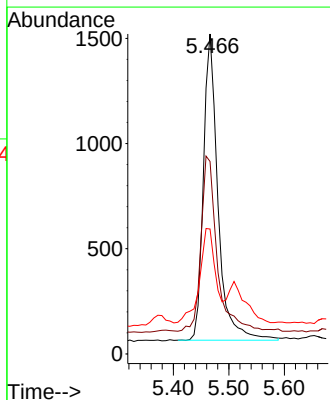
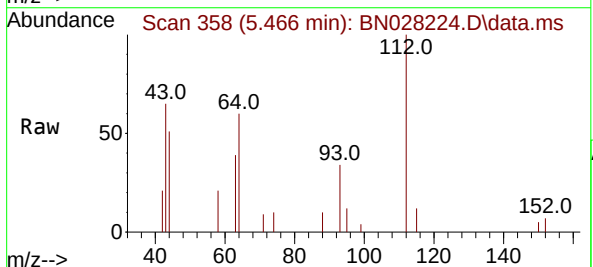
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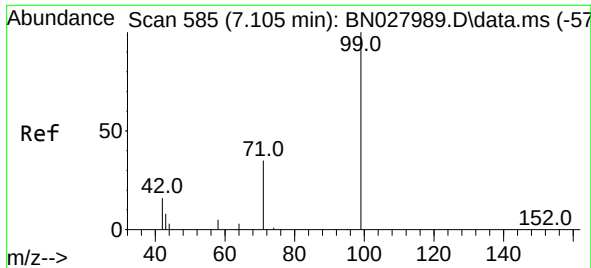
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.249 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

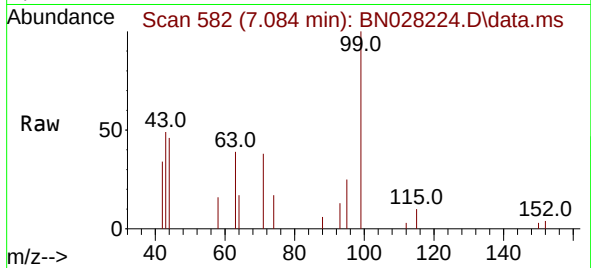
Tgt Ion:112 Resp: 2656
Ion Ratio Lower Upper
112 100
64 63.0 45.0 67.6
63 33.8 23.4 35.0





#5
Phenol-d6
Concen: 0.289 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

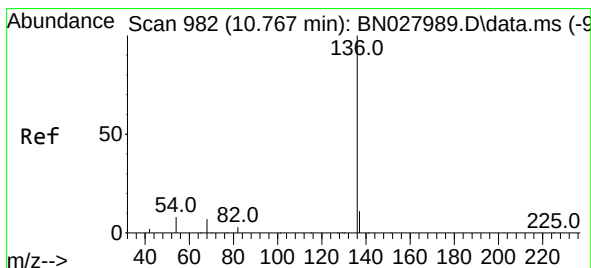
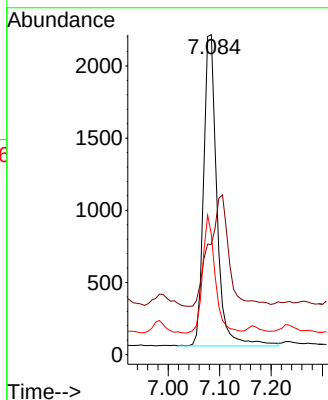
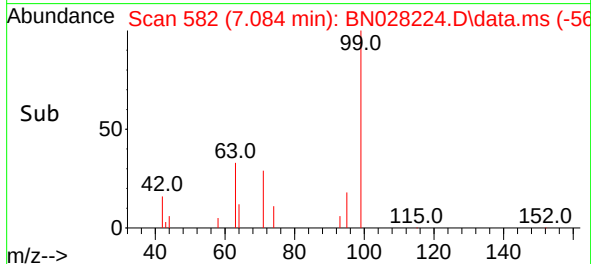
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion: 99 Resp: 389
Ion Ratio Lower Upper
99 100
42 0.0 14.6 22.0
71 35.4 28.3 42.5

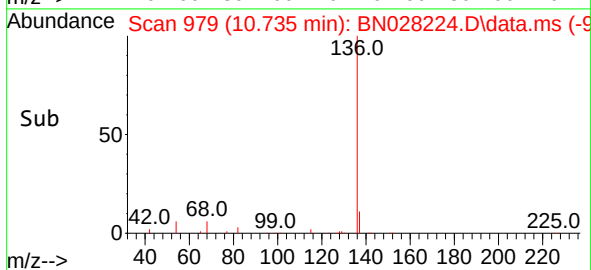
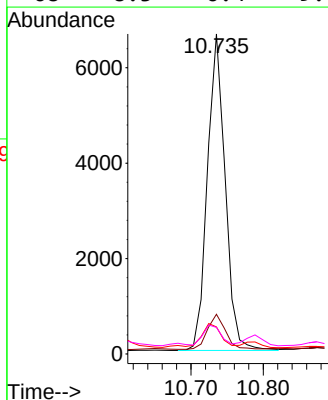
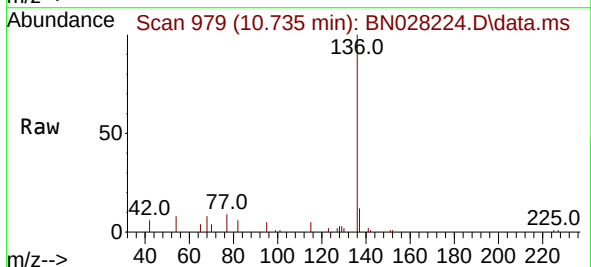
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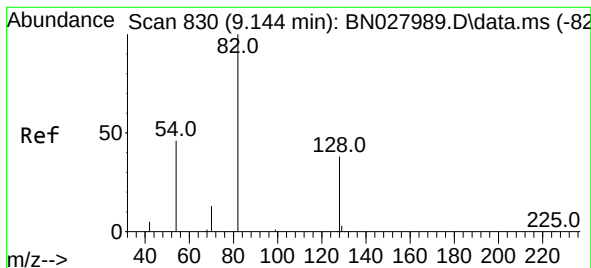
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:136 Resp: 11381
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.0
54 8.4 7.0 10.6
68 8.3 6.4 9.6





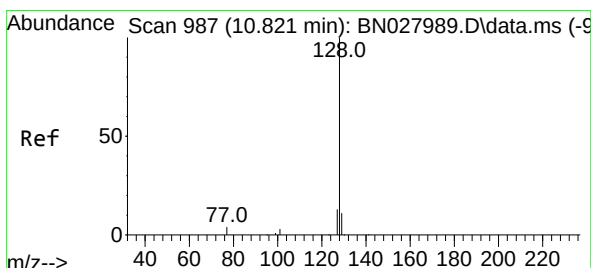
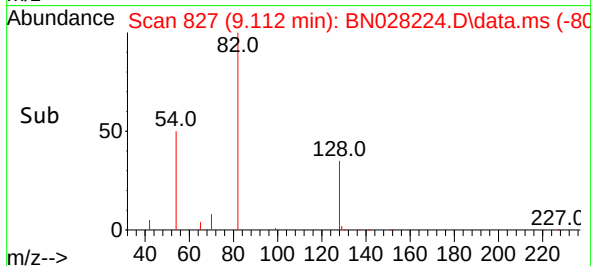
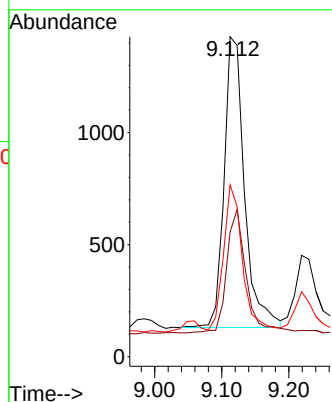
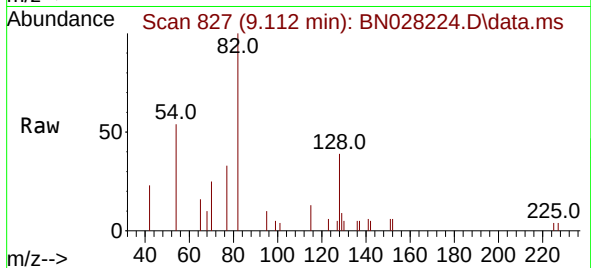
#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 9.112 min Scan# 811
Delta R.T. -0.011 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

Tgt Ion: 82 Resp: 2744
Ion Ratio Lower Upper
82 100
128 39.0 32.7 49.1
54 53.7 38.7 58.1

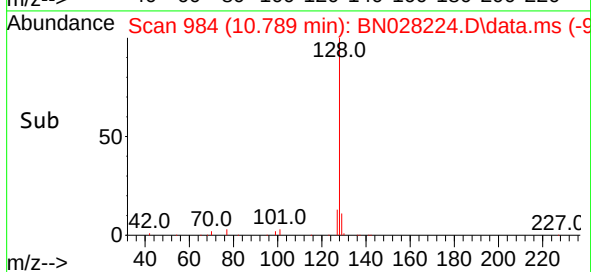
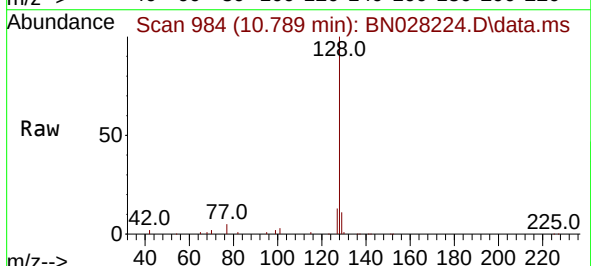
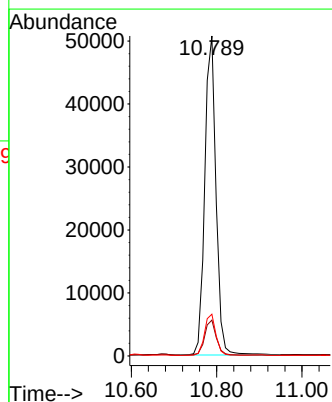
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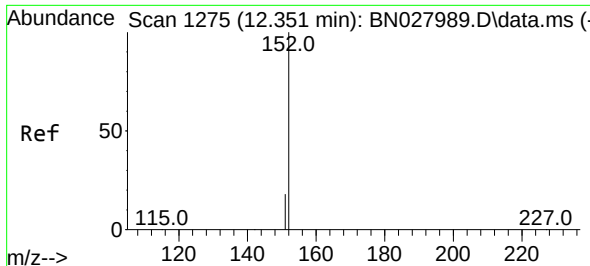
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 3.138 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

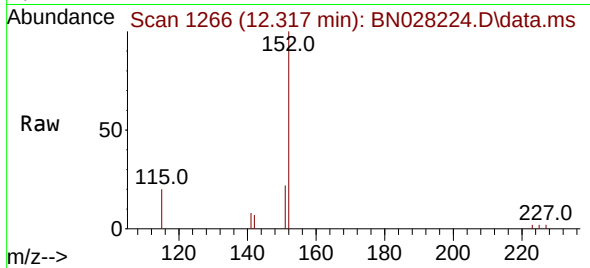
Tgt Ion:128 Resp: 92273
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.0 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

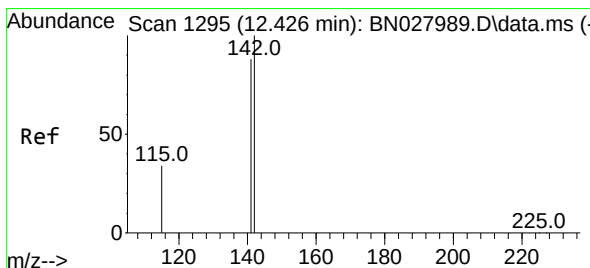
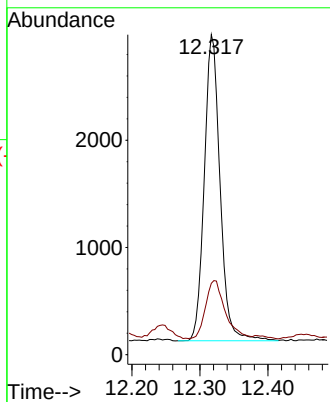
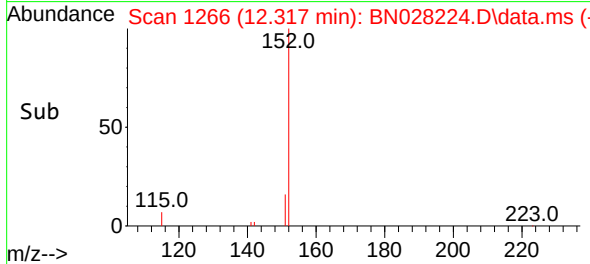
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



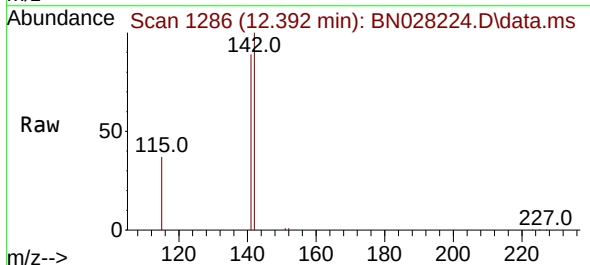
Tgt Ion:152 Resp: 4612
Ion Ratio Lower Upper
152 100
151 23.4 16.5 24.7

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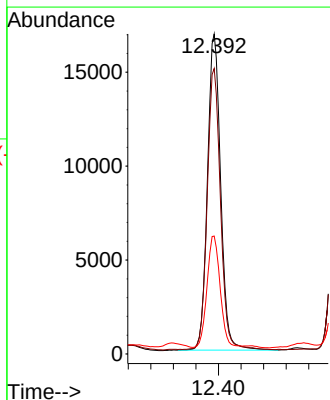
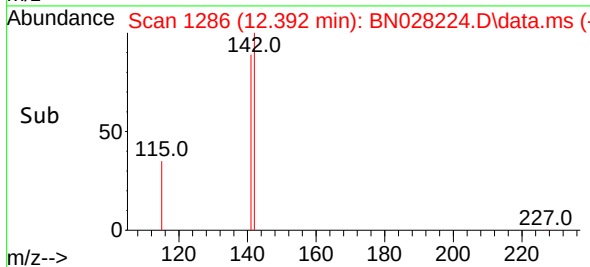
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

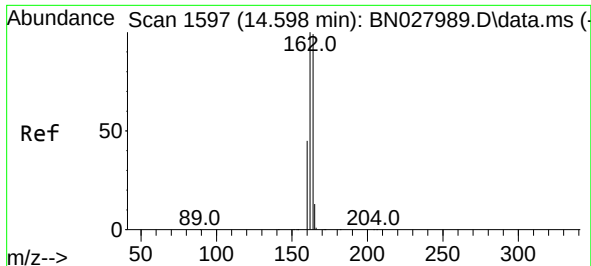


#12
2-Methylnaphthalene
Concen: 1.331 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22



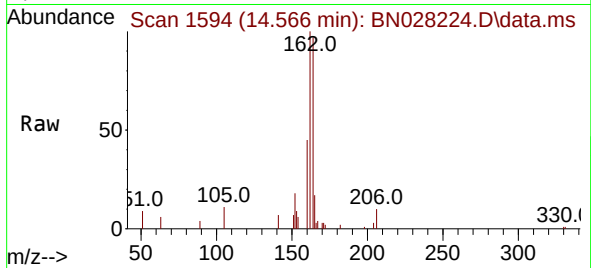
Tgt Ion:142 Resp: 27378
Ion Ratio Lower Upper
142 100
141 89.2 70.7 106.1
115 36.9 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

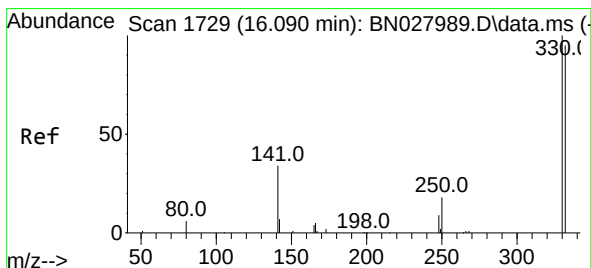
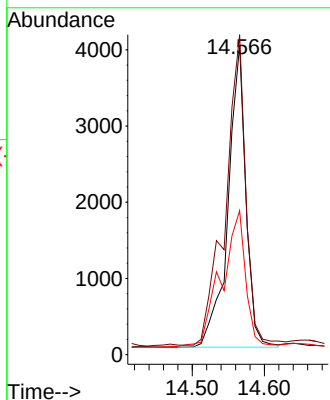
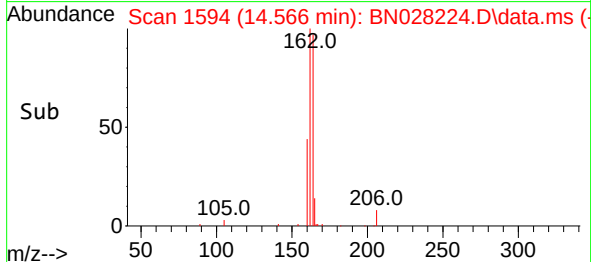
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



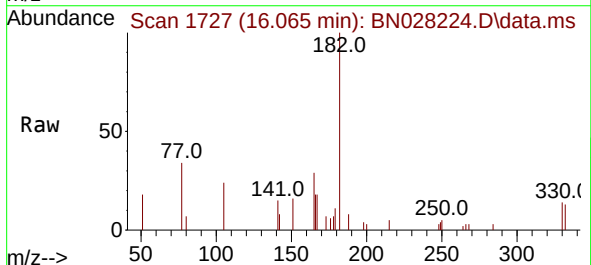
Tgt Ion:164 Resp: 681
Ion Ratio Lower Upper
164 100
162 103.4 80.8 121.2
160 46.5 36.4 54.6

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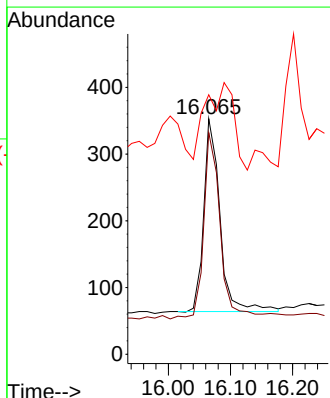
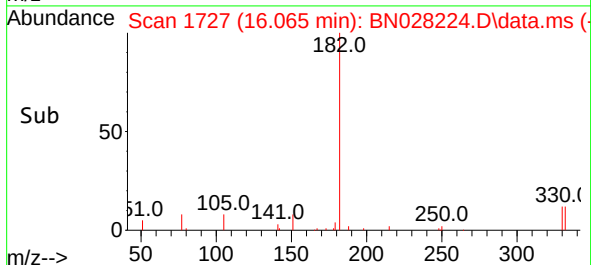
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

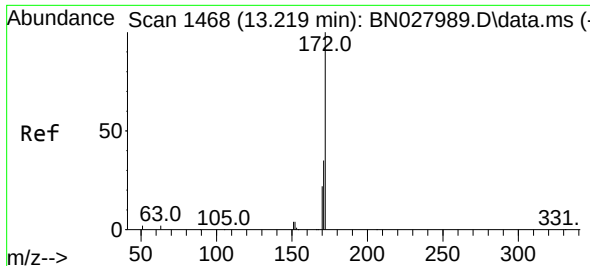


#14
2,4,6-Tribromophenol
Concen: 0.168 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22



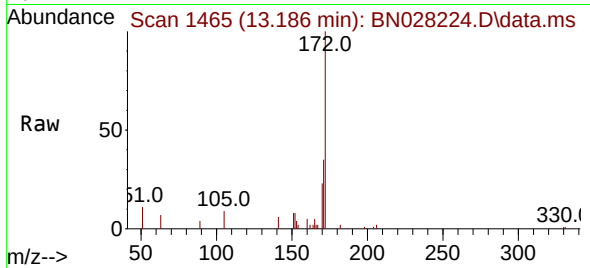
Tgt Ion:330 Resp: 526
Ion Ratio Lower Upper
330 100
332 98.5 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

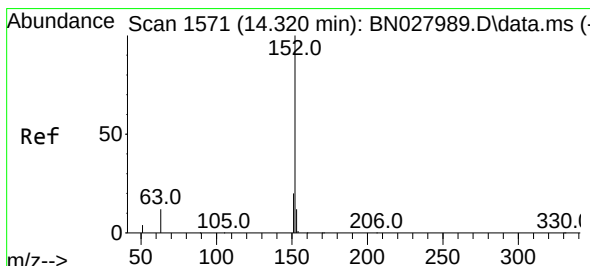
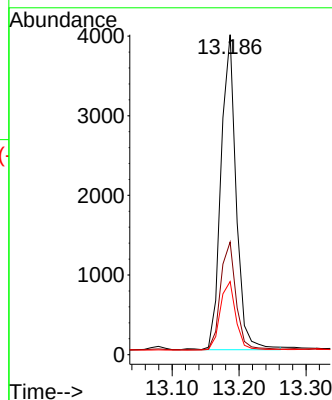
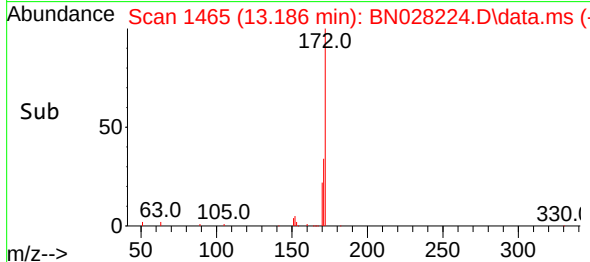
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:172 Resp: 623
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 22.8 18.4 27.6

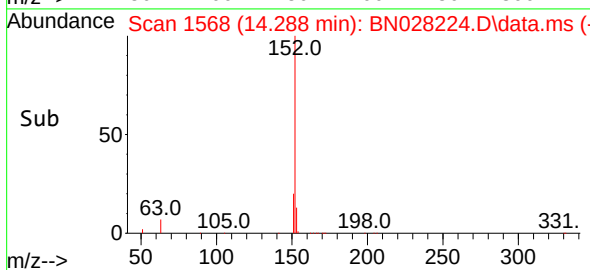
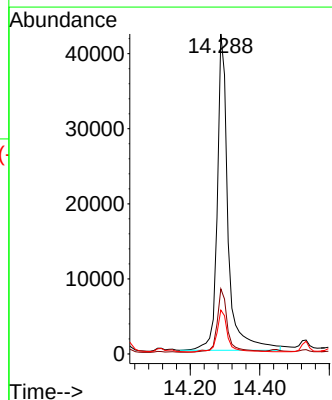
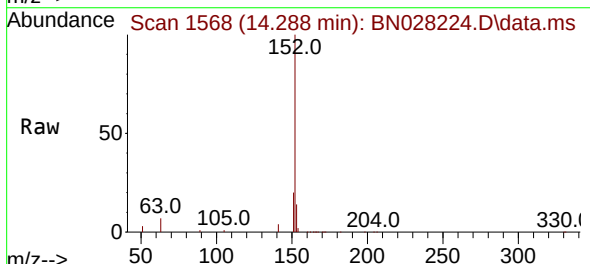
Manual Integrations
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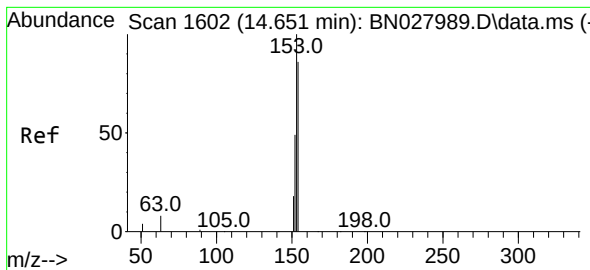
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 3.005 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:152 Resp: 90737
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.2 10.2 15.4





#17

Acenaphthene

Concen: 0.389 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

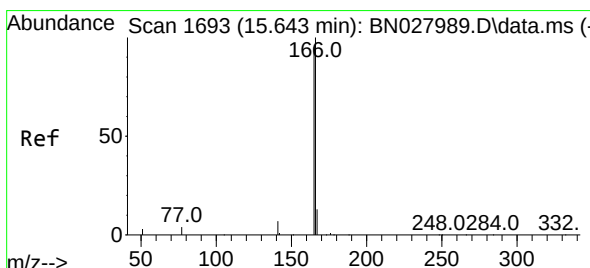
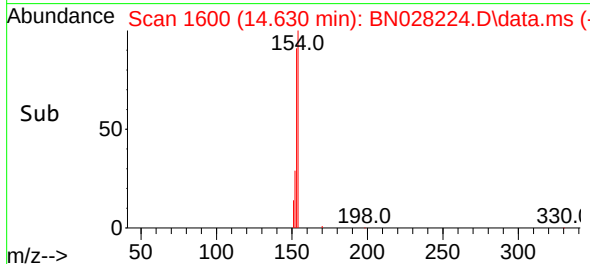
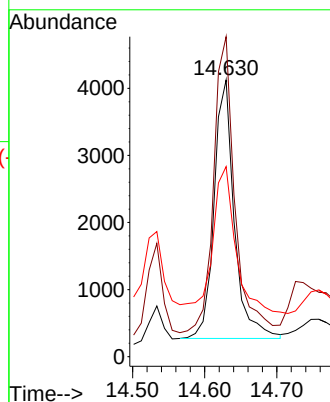
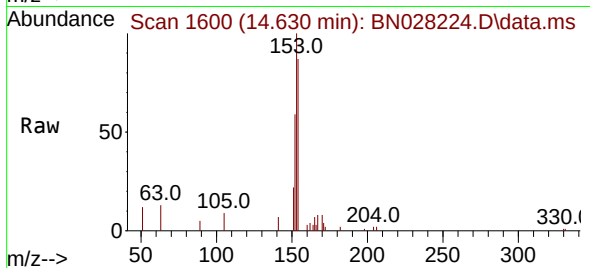
Tgt Ion:	154	Resp:	7490
Ion Ratio	Lower	Upper	
154	100		
153	119.1	90.8	136.2
152	63.6	43.9	65.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#18

Fluorene

Concen: 0.724 ng

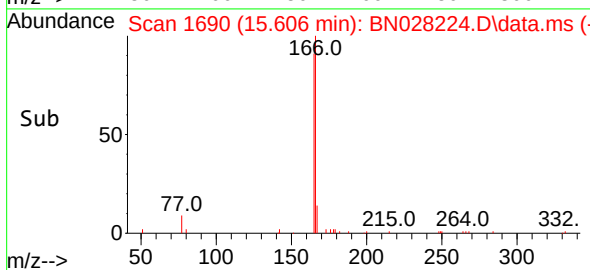
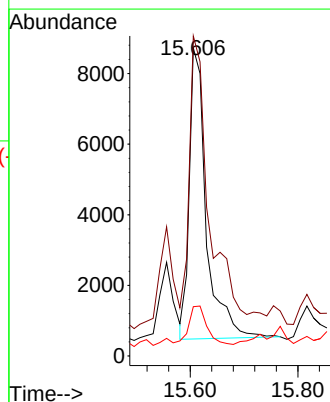
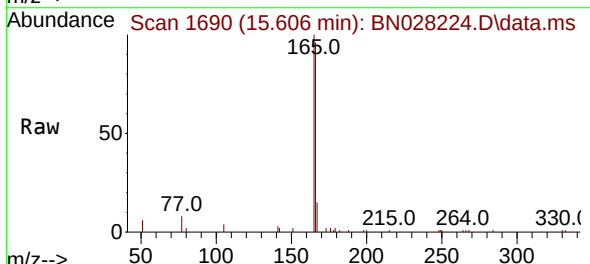
RT: 15.606 min Scan# 1690

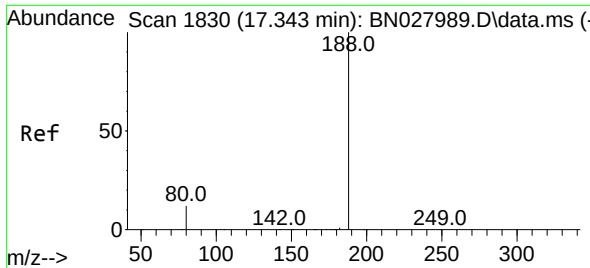
Delta R.T. -0.013 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Tgt Ion:	166	Resp:	18096
Ion Ratio	Lower	Upper	
166	100		
165	109.0	77.8	116.8
167	16.6	10.7	16.1





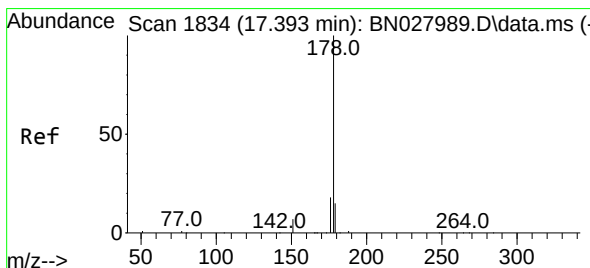
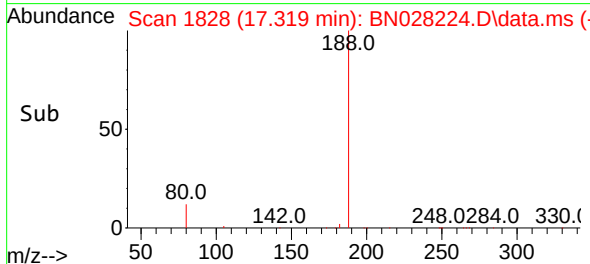
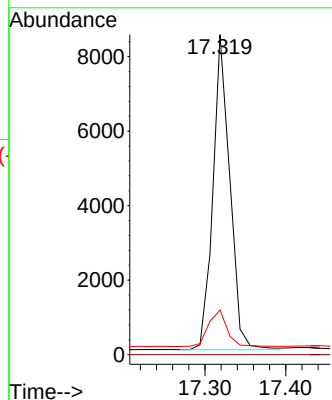
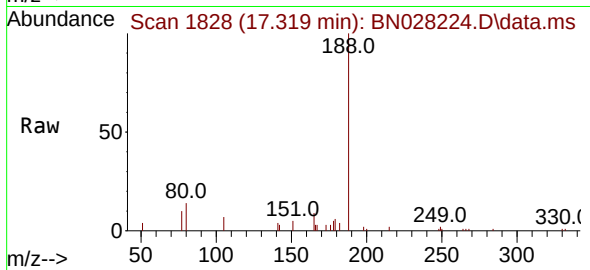
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

Tgt Ion:188 Resp: 12270
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 10.2 15.4

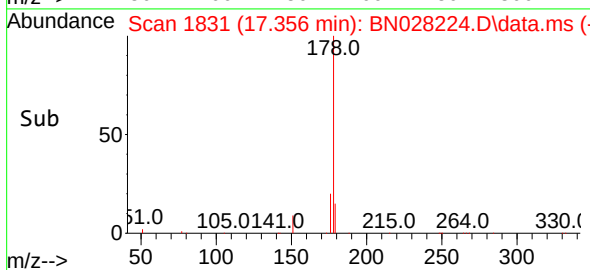
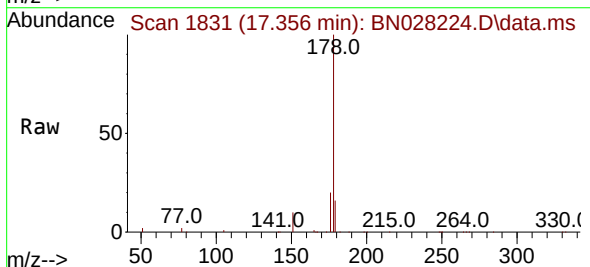
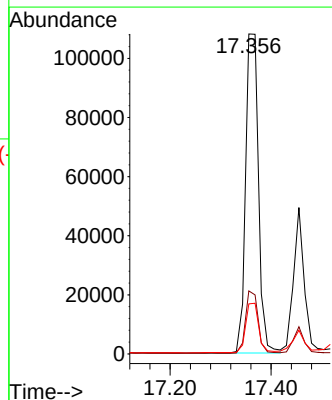
Manual Integrations
APPROVED

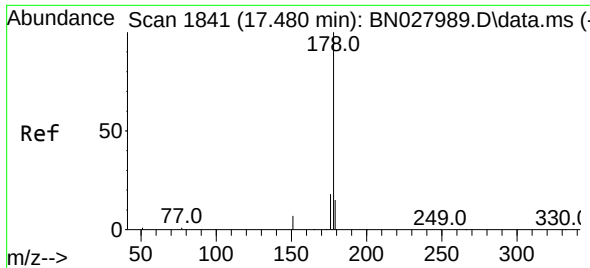
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 5.813 ng
RT: 17.356 min Scan# 1831
Delta R.T. -0.013 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

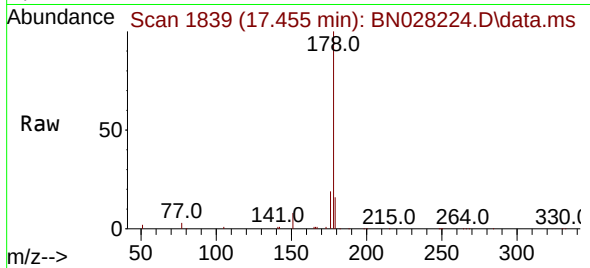
Tgt Ion:178 Resp: 192288
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.9 12.4 18.6





#26
 Anthracene
 Concen: 2.188 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028224.D
 Acq: 11 Oct 2023 08:22

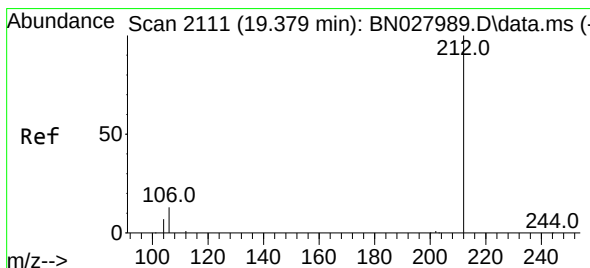
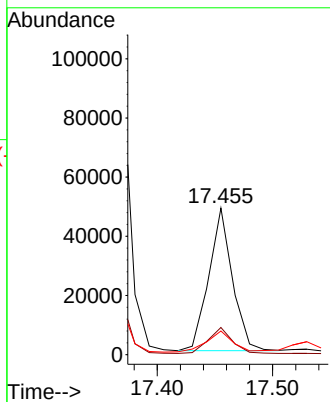
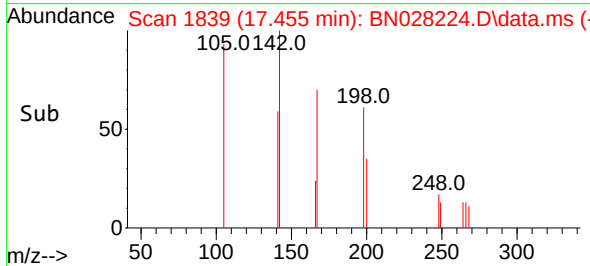
Instrument :
 BNA_N
 ClientSampleId :
 Q-2(5-10)



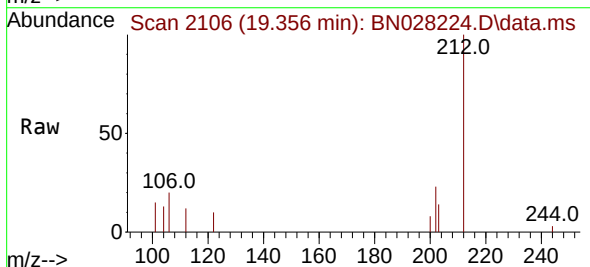
Tgt Ion:178 Resp: 6841
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.7 22.1
 179 16.8 12.2 18.2

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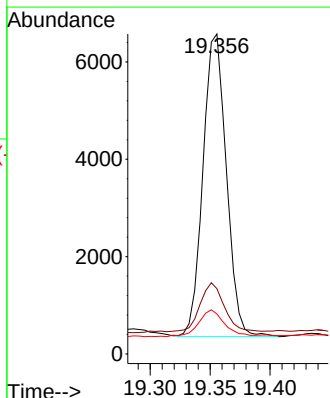
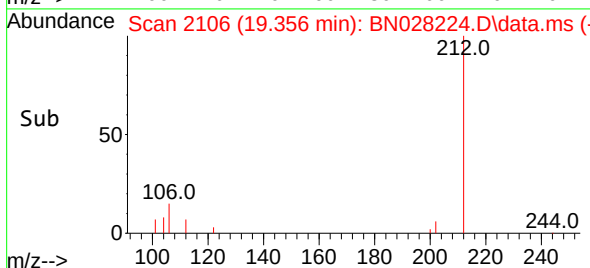
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

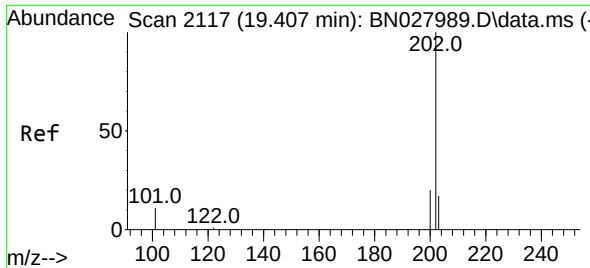


#27
 Fluoranthene-d10
 Concen: 0.274 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028224.D
 Acq: 11 Oct 2023 08:22



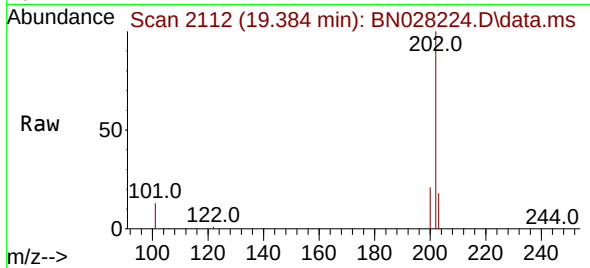
Tgt Ion:212 Resp: 8429
 Ion Ratio Lower Upper
 212 100
 106 17.1 11.3 16.9#
 104 9.8 6.4 9.6#





#28
Fluoranthene
Concen: 7.764 ng
RT: 19.384 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

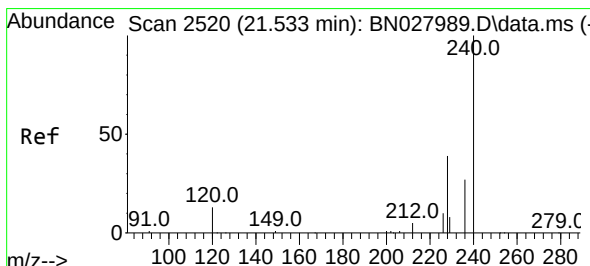
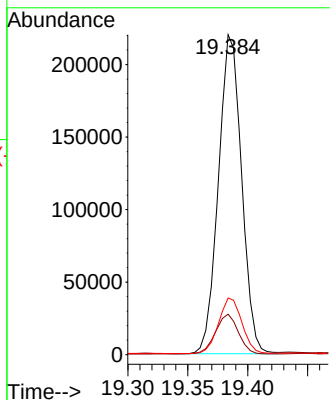
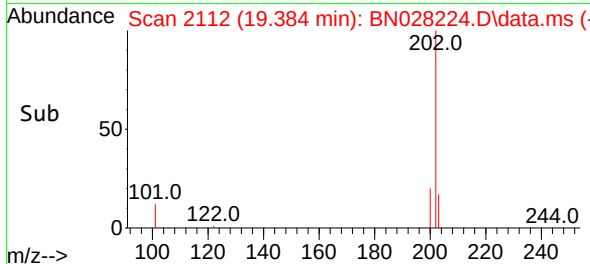
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:202 Resp: 296400
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.6
203 17.5 13.8 20.8

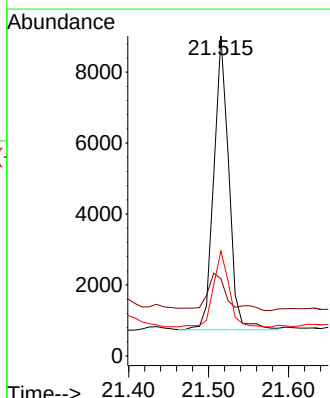
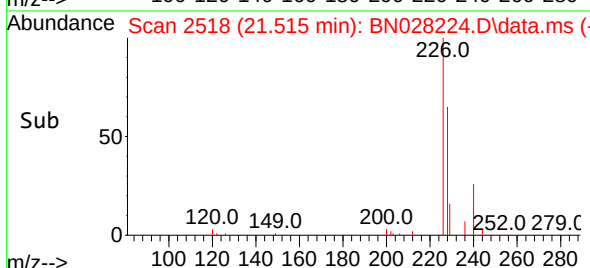
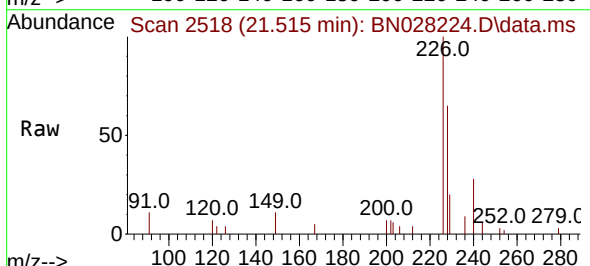
Manual Integrations
APPROVED

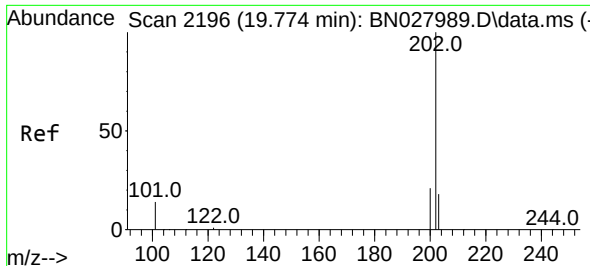
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

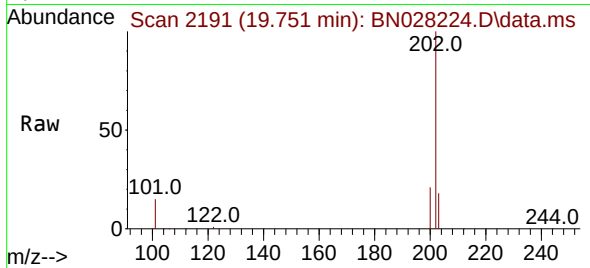
Tgt Ion:240 Resp: 10760
Ion Ratio Lower Upper
240 100
120 24.1 13.8 20.6#
236 32.8 22.6 33.8





#30
Pyrene
Concen: 6.554 ng
RT: 19.751 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

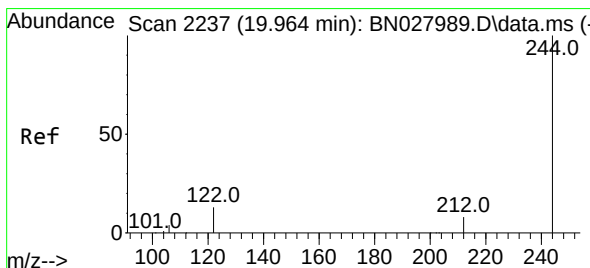
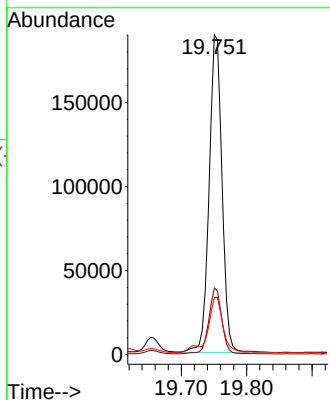
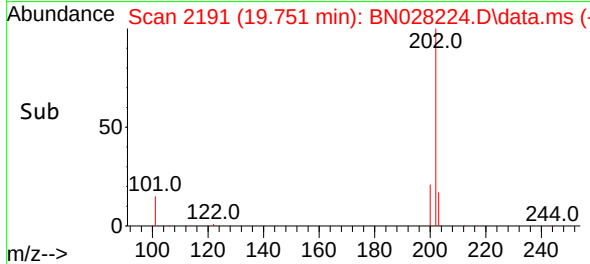
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:202 Resp: 25858
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 18.6 14.7 22.1

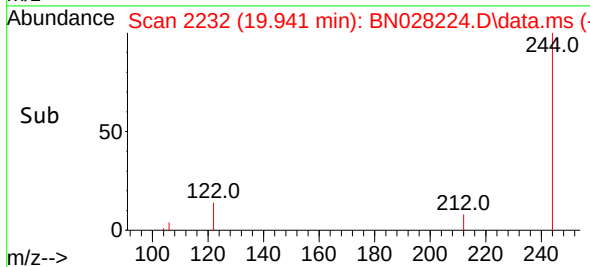
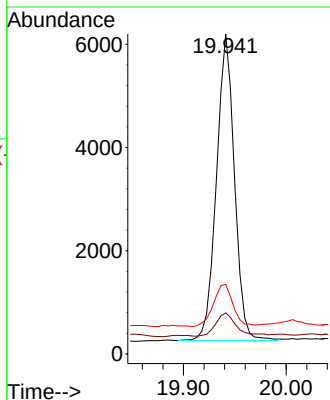
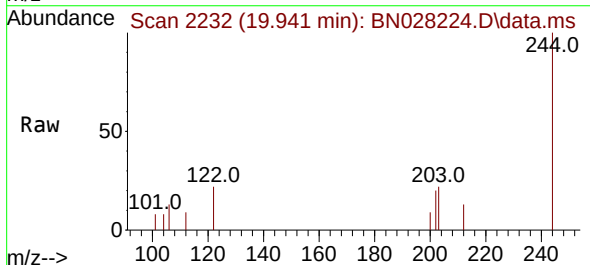
Manual Integrations
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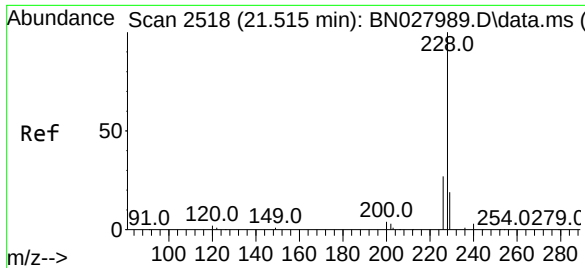
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.288 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

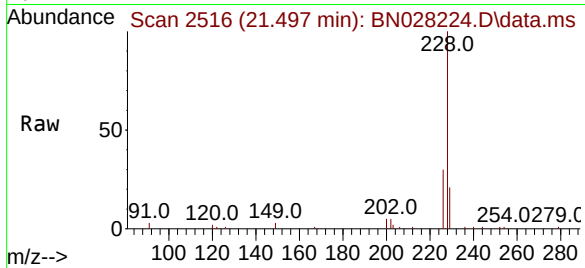
Tgt Ion:244 Resp: 7238
Ion Ratio Lower Upper
244 100
212 12.9 6.6 9.8#
122 21.8 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 4.230 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

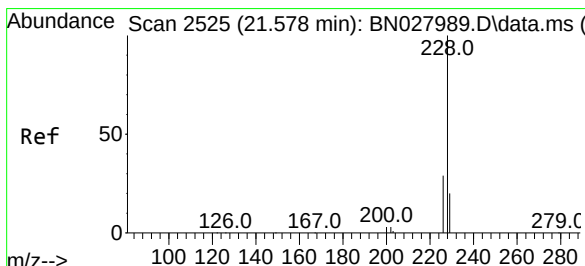
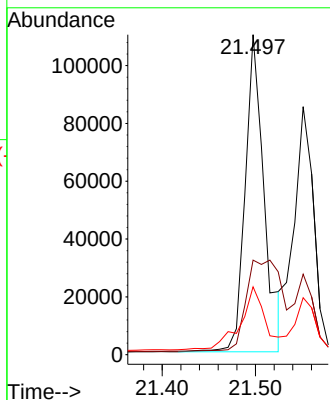
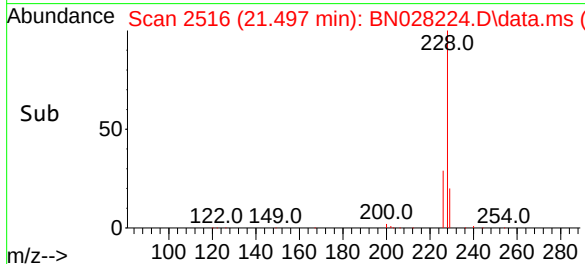
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



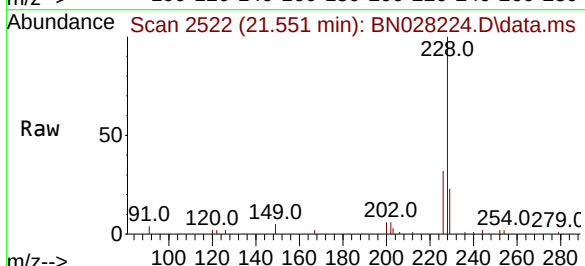
Tgt Ion:228 Resp: 154870
Ion Ratio Lower Upper
228 100
226 29.6 22.0 33.0
229 21.2 16.0 24.0

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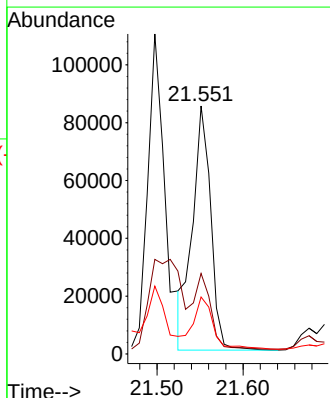
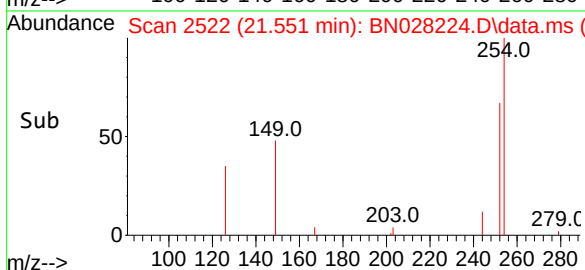
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

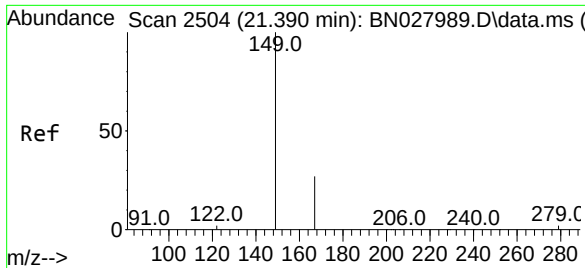


#33
Chrysene
Concen: 3.549 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22



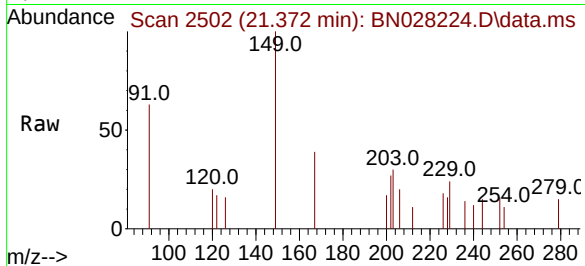
Tgt Ion:228 Resp: 125236
Ion Ratio Lower Upper
228 100
226 32.4 23.8 35.8
229 23.0 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.170 ng
RT: 21.372 min Scan# 21372
Delta R.T. 0.009 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

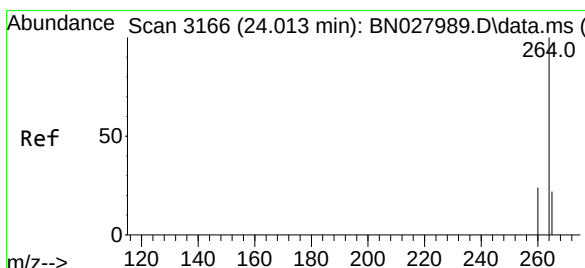
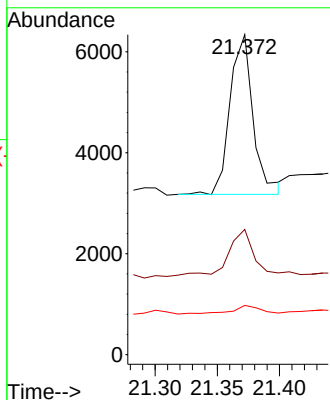
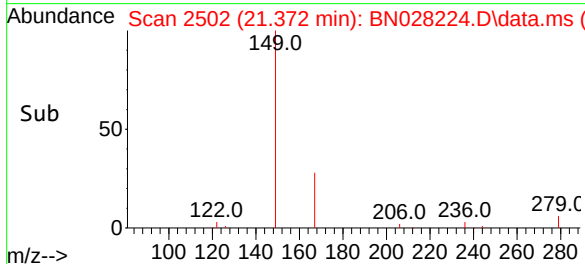
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:149 Resp: 4088
Ion Ratio Lower Upper
149 100
167 40.4 22.1 33.1
279 5.5 3.4 5.0

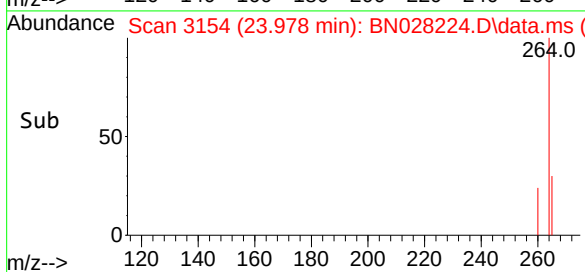
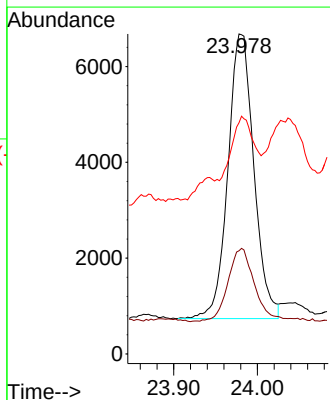
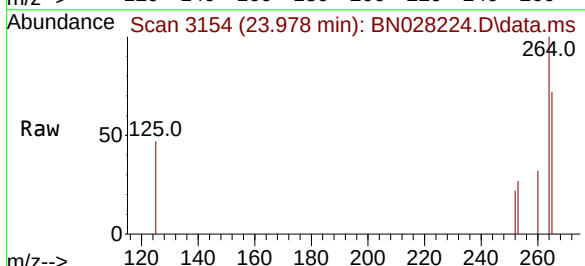
Manual Integrations
APPROVED

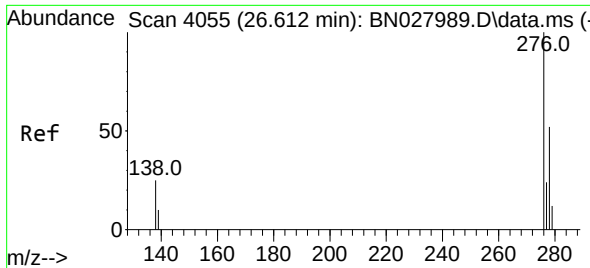
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.978 min Scan# 3154
Delta R.T. 0.003 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

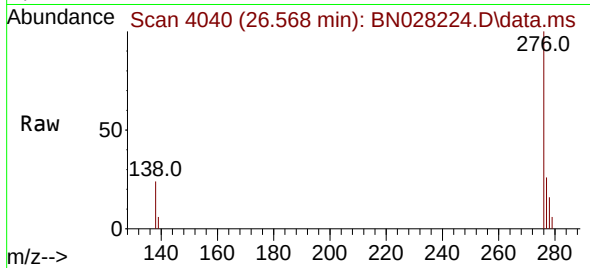
Tgt Ion:264 Resp: 12808
Ion Ratio Lower Upper
264 100
260 32.3 20.2 30.4
265 72.2 54.8 82.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 3.367 ng
RT: 26.568 min Scan# 4055
Delta R.T. 0.012 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

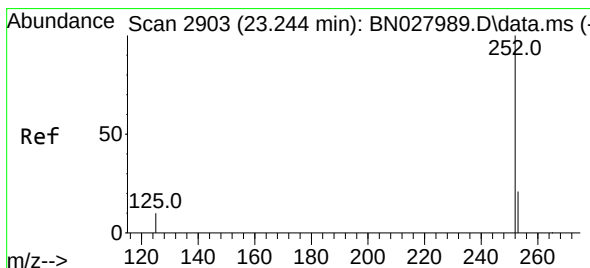
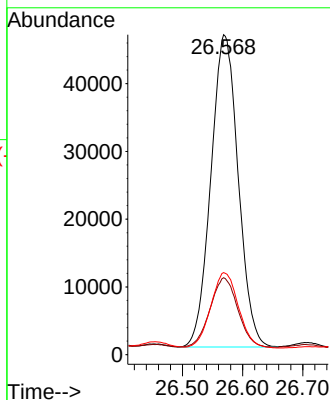
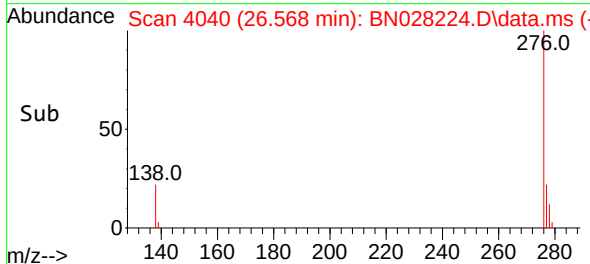
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



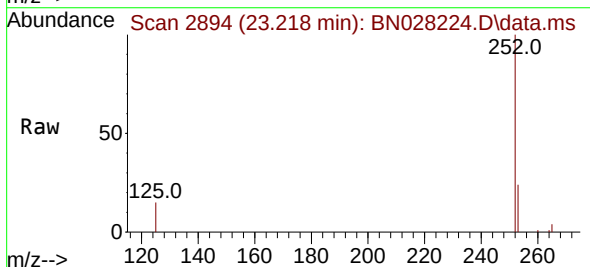
Tgt Ion:276 Resp: 145058
Ion Ratio Lower Upper
276 100
138 22.5 20.9 31.3
277 24.6 19.8 29.6

Manual Integrations
APPROVED

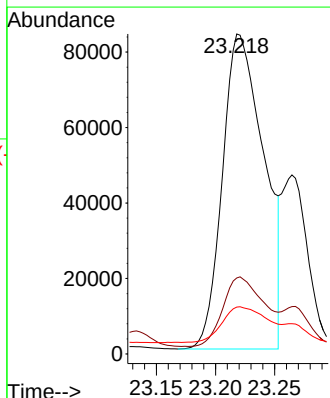
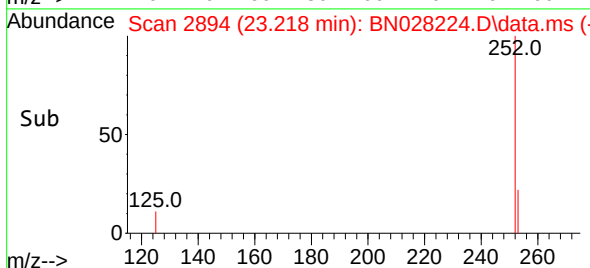
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

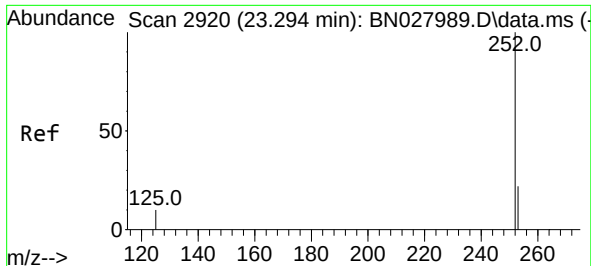


#37
Benzo(b)fluoranthene
Concen: 4.930 ng
RT: 23.218 min Scan# 2894
Delta R.T. 0.006 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22



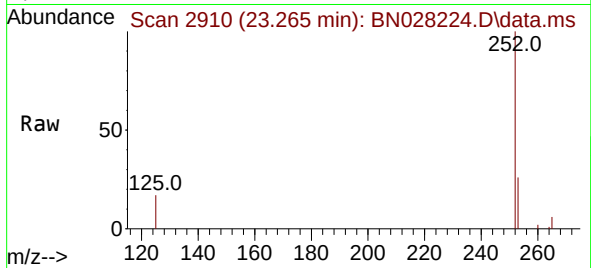
Tgt Ion:252 Resp: 203922
Ion Ratio Lower Upper
252 100
253 23.8 22.9 34.3
125 14.6 13.8 20.8





#38
Benzo(k)fluoranthene
Concen: 1.722 ng m
RT: 23.265 min Scan# 2910
Delta R.T. 0.003 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

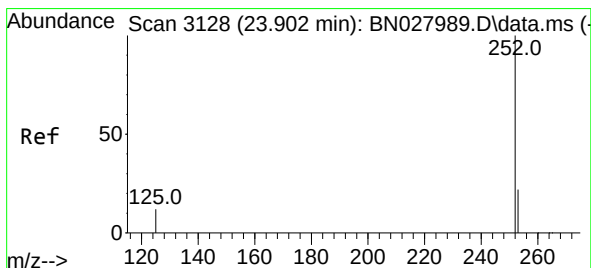
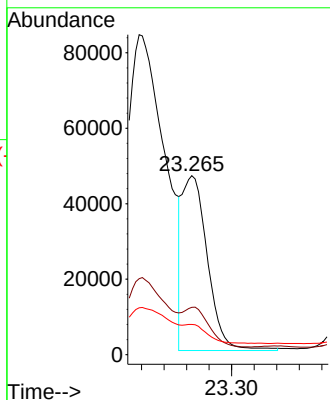
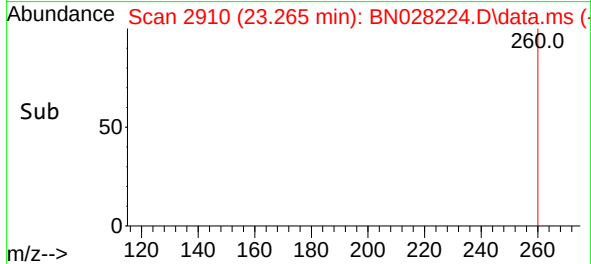
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:252 Resp: 72239
Ion Ratio Lower Upper
252 100
253 26.4 23.1 34.7
125 16.9 13.8 20.8

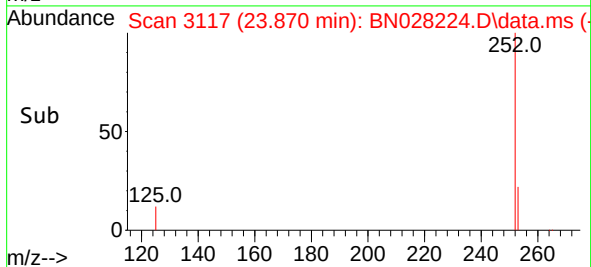
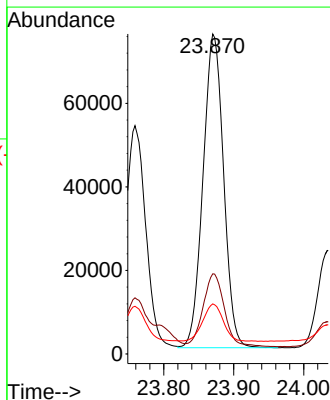
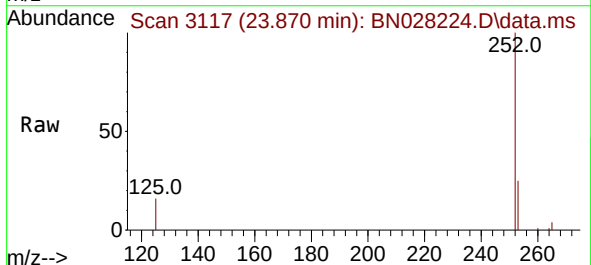
Manual Integrations
APPROVED

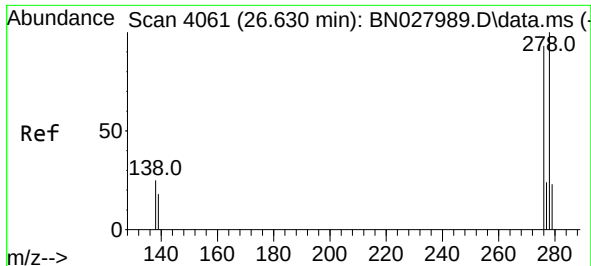
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 3.920 ng
RT: 23.870 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

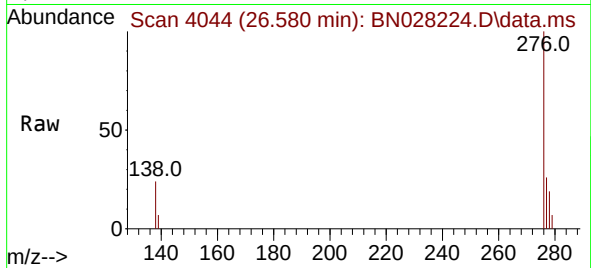
Tgt Ion:252 Resp: 153332
Ion Ratio Lower Upper
252 100
253 25.1 25.0 37.4
125 15.6 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.940 ng
RT: 26.580 min Scan# 4061
Delta R.T. 0.003 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

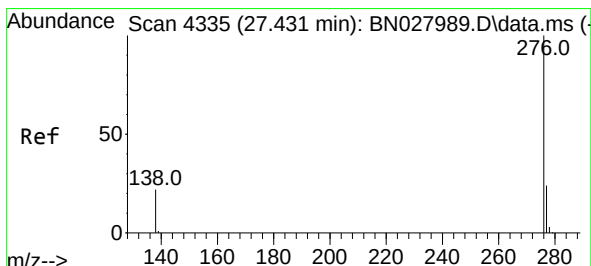
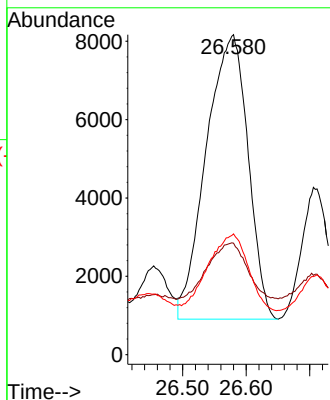
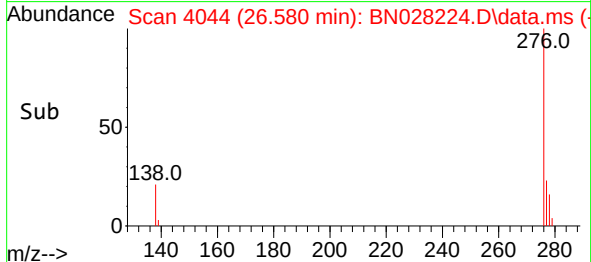
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)



Tgt Ion:278 Resp: 3314
Ion Ratio Lower Upper
278 100
139 34.8 17.7 26.5
279 37.7 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: 4.714 ng
RT: 27.384 min Scan# 4319
Delta R.T. 0.017 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:276 Resp: 170530
Ion Ratio Lower Upper
276 100
277 25.5 22.1 33.1
138 24.7 20.8 31.2

