

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028227.D
 Acq On : 11 Oct 2023 10:10
 Operator : MA/JU
 Sample : 04767-06 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-4(0-5)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 10:58:28 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	3713	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11830	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6360	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12668	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11321	0.400	ng	# 0.00
35) Perylene-d12	23.984	264	13719	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	552	0.050	ng	0.00
5) Phenol-d6	7.091	99	635	0.045	ng	0.00
8) Nitrobenzene-d5	9.123	82	553	0.055	ng	0.00
11) 2-Methylnaphthalene-d10	12.321	152	803	0.046	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	135	0.046	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	1144	0.050	ng	0.00
27) Fluoranthene-d10	19.356	212	1481	0.047	ng	0.00
31) Terphenyl-d14	19.941	244	1491	0.056	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	94554	3.093	ng	98
12) 2-Methylnaphthalene	12.392	142	30713	1.436	ng	98
16) Acenaphthylene	14.298	152	77867	2.764	ng	100
17) Acenaphthene	14.630	154	15260	0.850	ng	99
18) Fluorene	15.606	166	29159	1.250	ng	95
25) Phenanthrene	17.368	178	210186	6.154	ng	99
26) Anthracene	17.455	178	76881	2.382	ng	97
28) Fluoranthene	19.388	202	313204m	7.946	ng	
30) Pyrene	19.755	202	310753	7.486	ng	100
32) Benzo(a)anthracene	21.498	228	167012	4.335	ng	95
33) Chrysene	21.560	228	147096	3.962	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.372	149	2529	0.100	ng	# 56
36) Indeno(1,2,3-cd)pyrene	26.577	276	89106	1.931	ng	97
37) Benzo(b)fluoranthene	23.227	252	181923	4.106	ng	96
38) Benzo(k)fluoranthene	23.268	252	62501m	1.391	ng	
39) Benzo(a)pyrene	23.876	252	148192	3.537	ng	91
40) Dibenzo(a,h)anthracene	26.589	278	25119	0.665	ng	# 54
41) Benzo(g,h,i)perylene	27.399	276	89782	2.317	ng	97

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

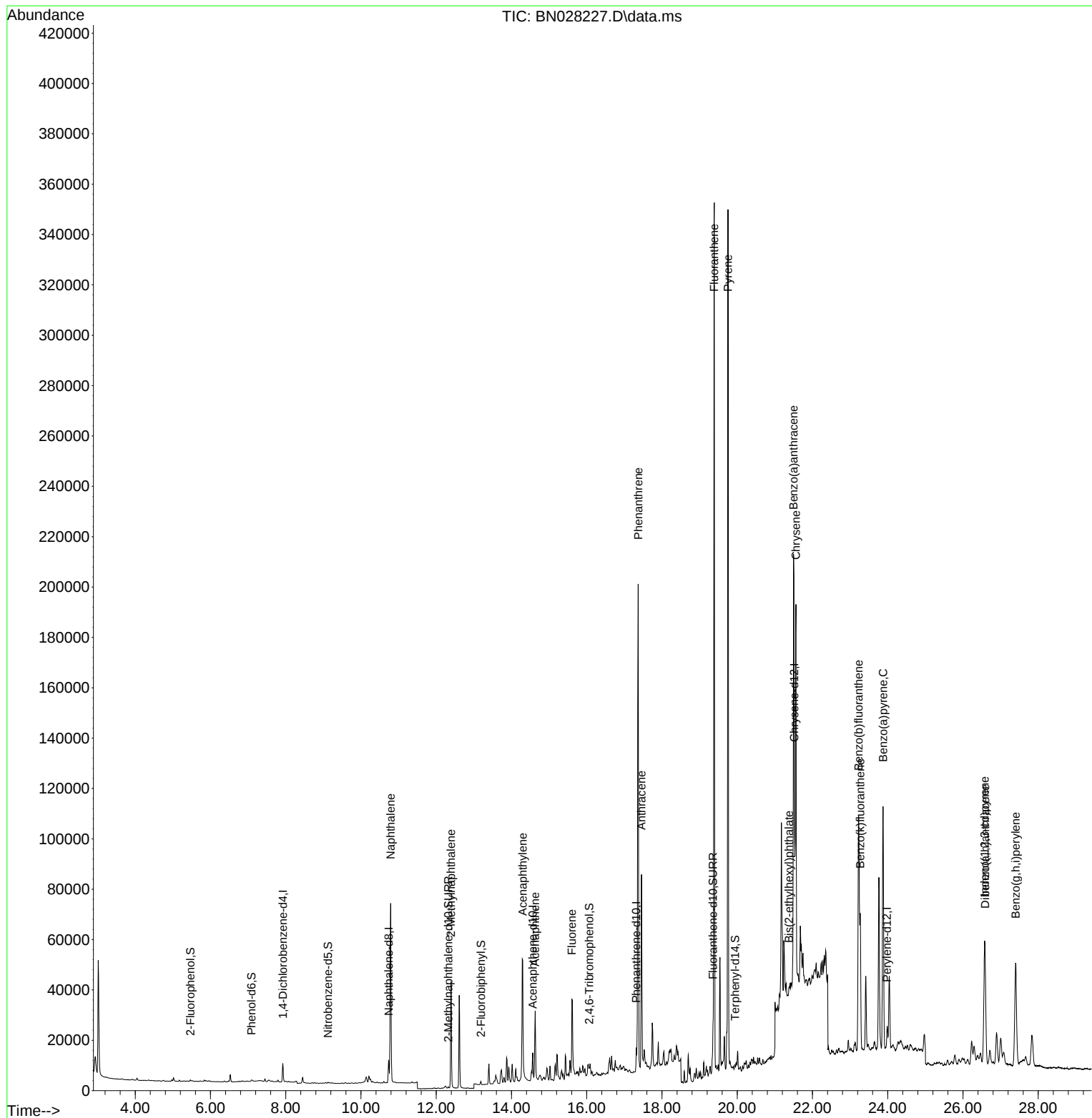
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028227.D
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Misc :
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Instrument :
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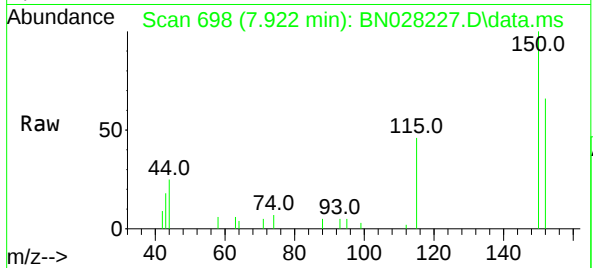
Quant Time: Oct 11 10:58:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

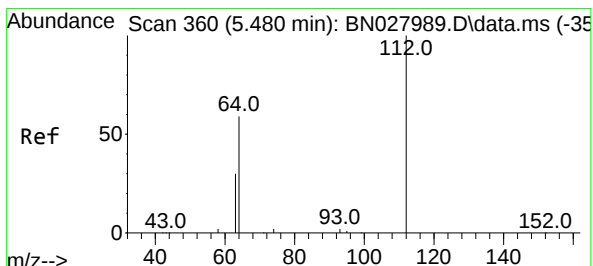
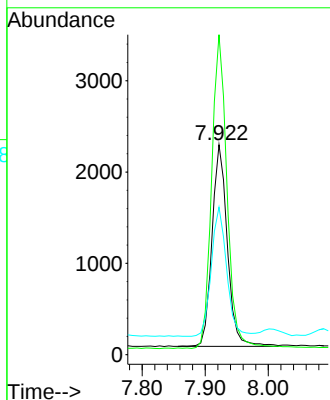
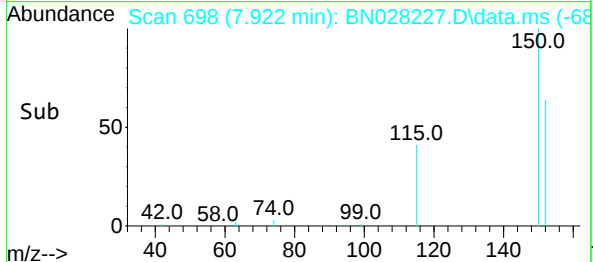
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



Tgt Ion:152 Resp: 371
Ion Ratio Lower Upper
152 100
150 152.5 125.6 188.4
115 70.3 54.8 82.2

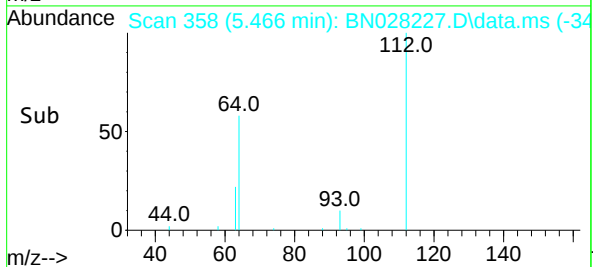
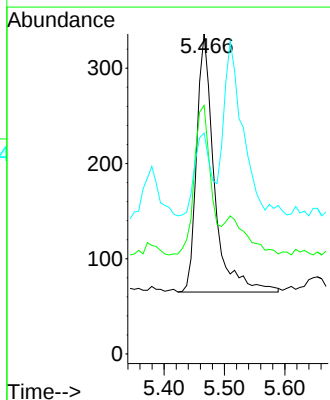
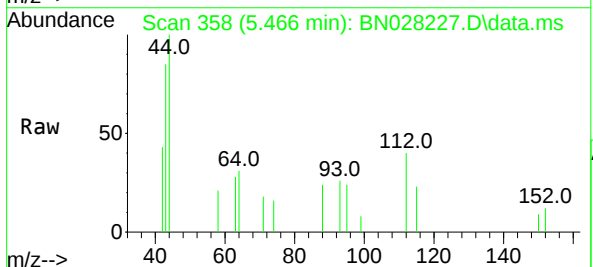
Manual Integrations
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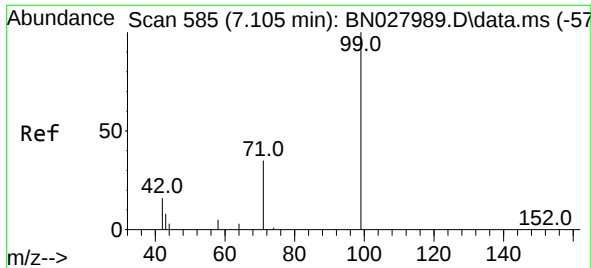
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.050 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

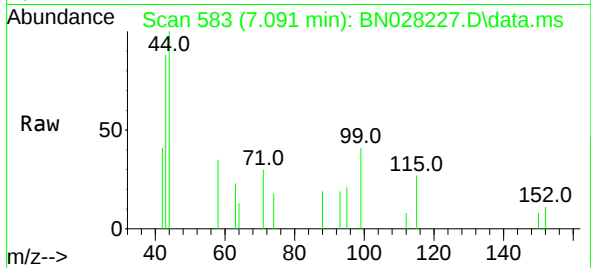
Tgt Ion:112 Resp: 552
Ion Ratio Lower Upper
112 100
64 55.1 45.0 67.6
63 30.3 23.4 35.0





#5
Phenol-d6
Concen: 0.045 ng
RT: 7.091 min Scan# 585
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

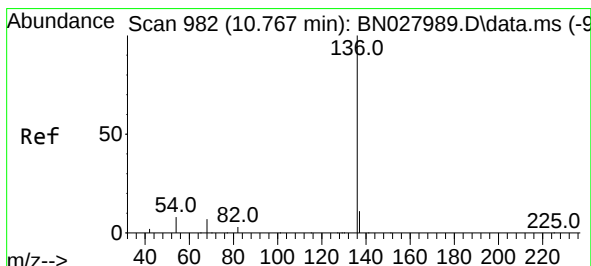
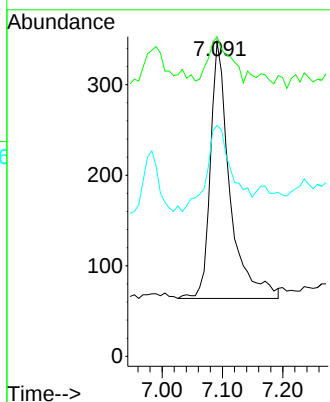
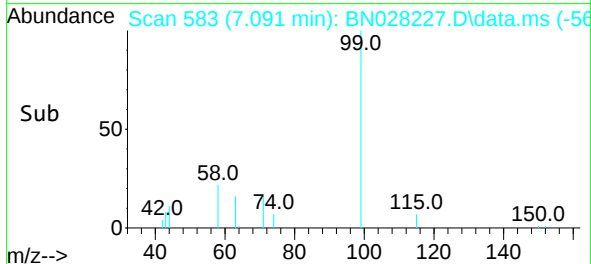
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



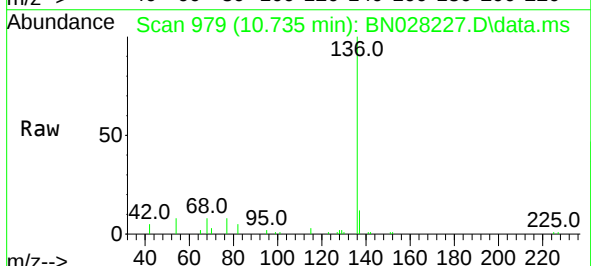
Tgt Ion: 99 Resp: 63
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 44.3 28.3 42.5

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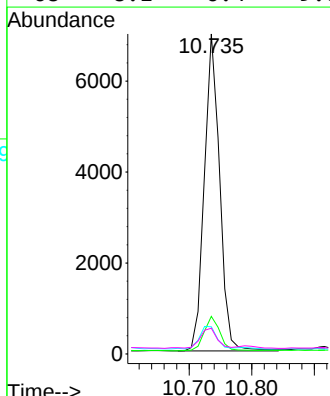
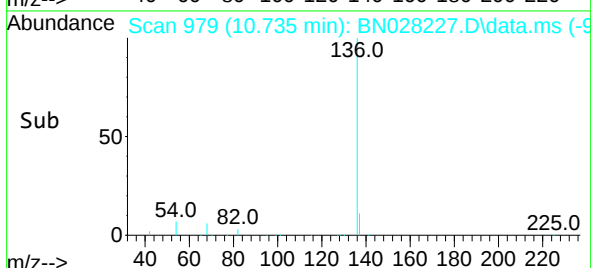
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

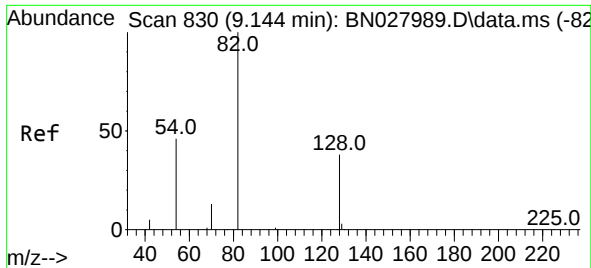


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10



Tgt Ion:136 Resp: 11830
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 8.5 7.0 10.6
68 8.1 6.4 9.6





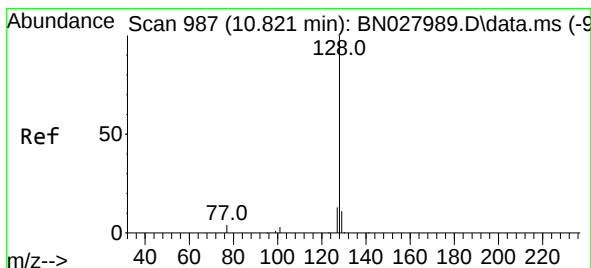
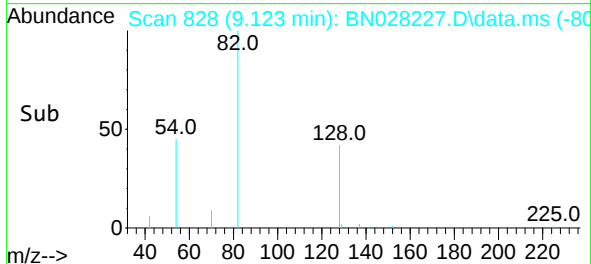
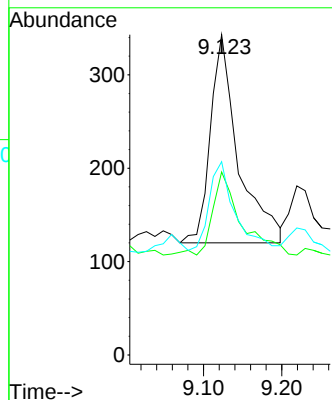
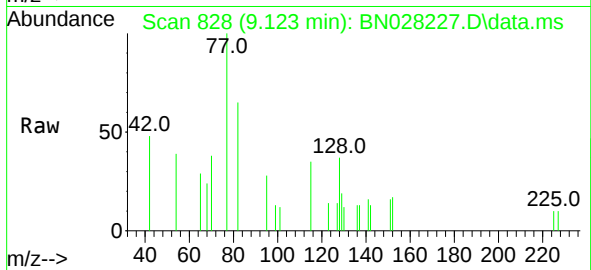
#8
Nitrobenzene-d5
Concen: 0.055 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)

Tgt Ion: 82 Resp: 55
Ion Ratio Lower Upper
82 100
128 57.1 32.7 49.1
54 60.3 38.7 58.1

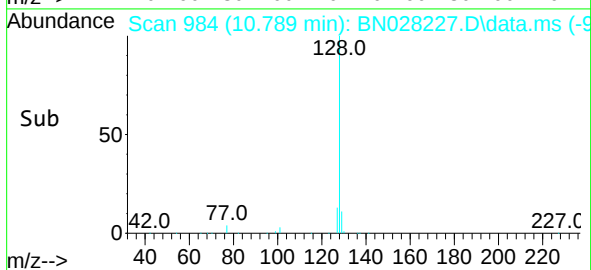
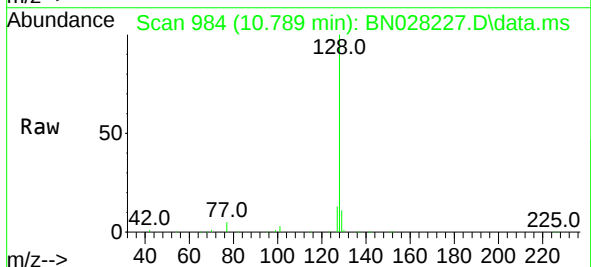
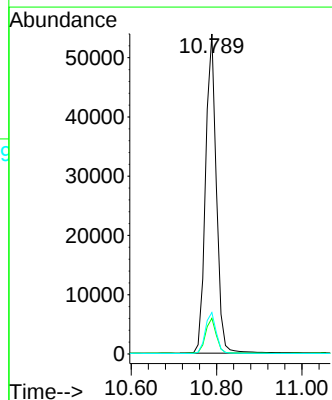
Manual Integrations
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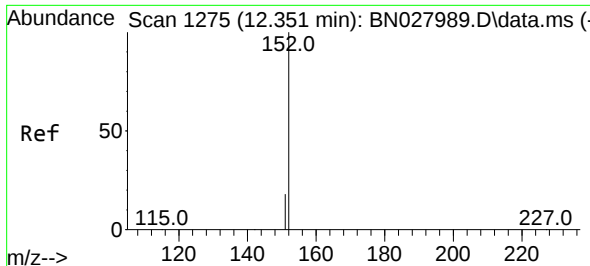
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 3.093 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

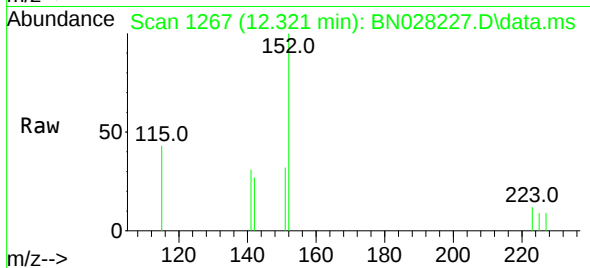
Tgt Ion:128 Resp: 94554
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 13.0 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.046 ng
RT: 12.321 min Scan# 1267
Delta R.T. -0.004 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

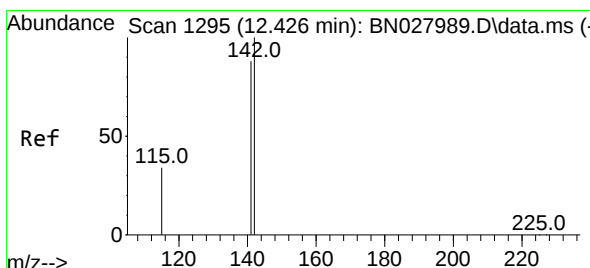
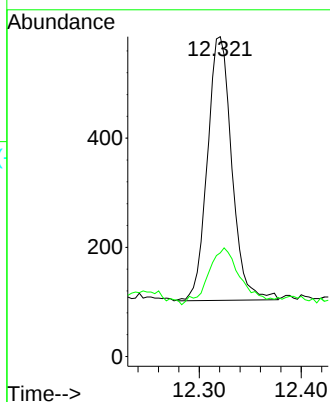
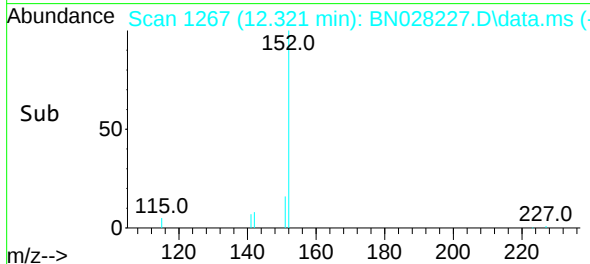
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



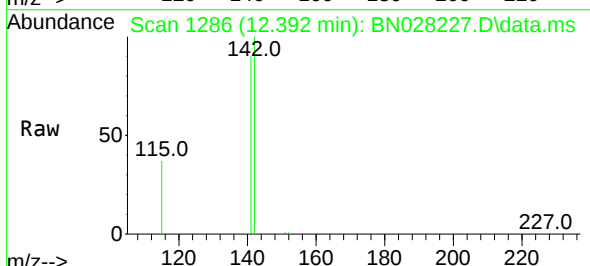
Tgt Ion:152 Resp: 800
Ion Ratio Lower Upper
152 100
151 28.6 16.5 24.7

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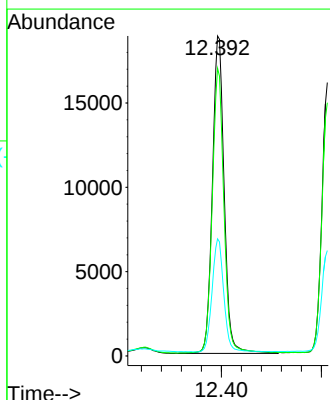
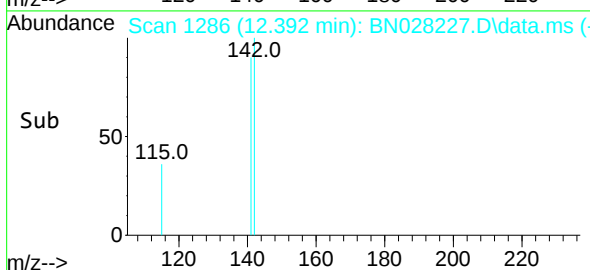
Reviewed By :Yogesh Patel 10/11/2023
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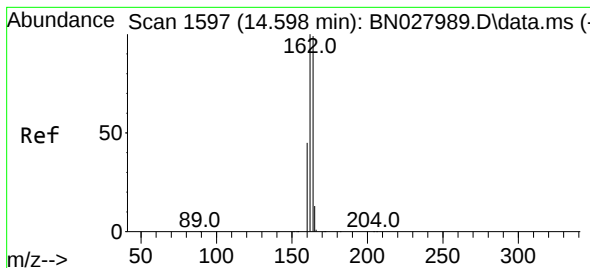


#12
2-Methylnaphthalene
Concen: 1.436 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10



Tgt Ion:142 Resp: 30713
Ion Ratio Lower Upper
142 100
141 89.9 70.7 106.1
115 36.6 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: BN028227.D

Acq: 11 Oct 2023 10:10

Instrument :

BNA_N

ClientSampleId :

Q-4(0-5)

Tgt Ion:164 Resp: 6360

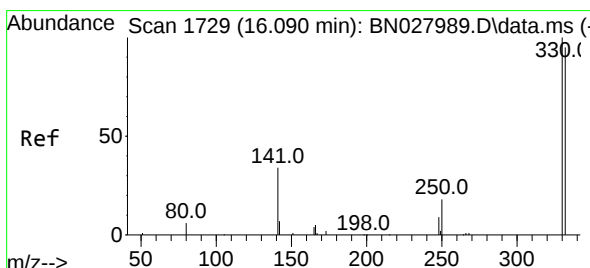
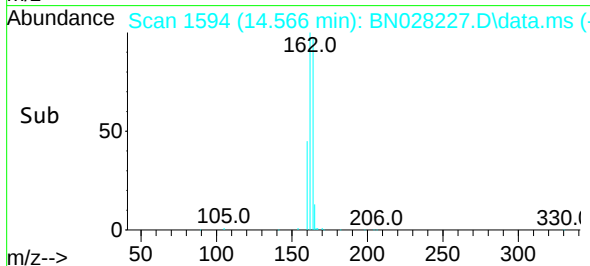
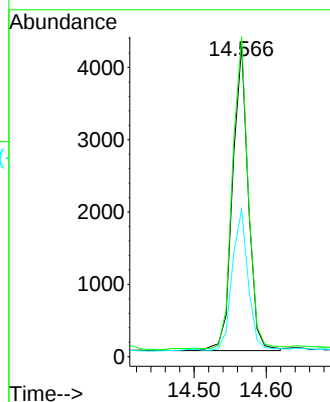
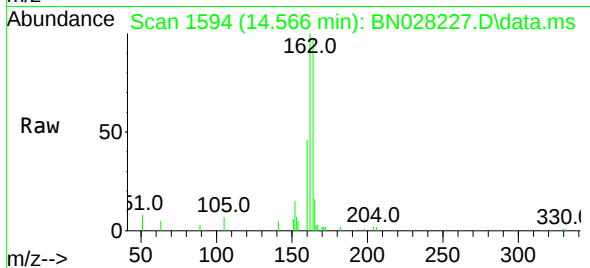
Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.8	121.2
160	47.2	36.4	54.6

Manual Integrations

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#14

2,4,6-Tribromophenol

Concen: 0.046 ng

RT: 16.065 min Scan# 1727

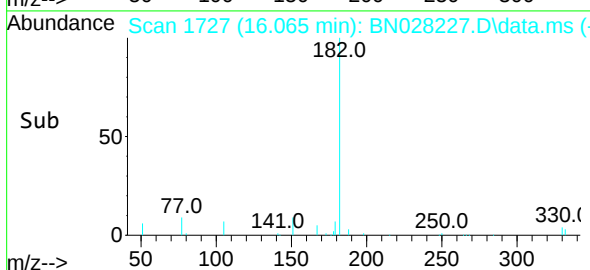
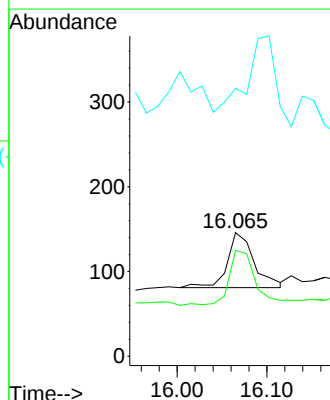
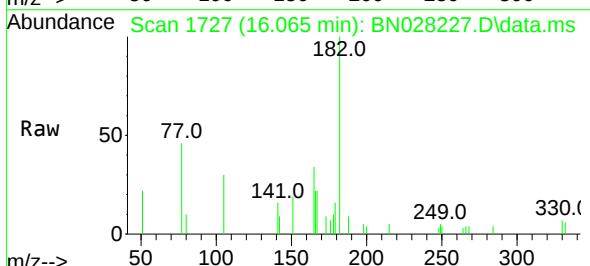
Delta R.T. -0.012 min

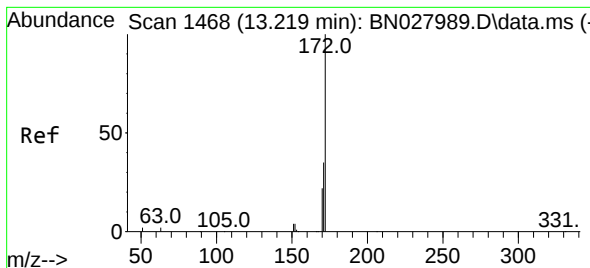
Lab File: BN028227.D

Acq: 11 Oct 2023 10:10

Tgt Ion:330 Resp: 135

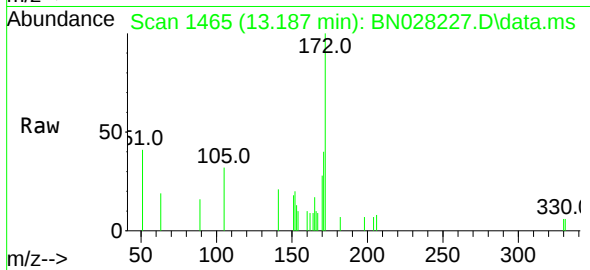
Ion	Ratio	Lower	Upper
330	100		
332	94.1	78.1	117.1
141	0.0	33.4	50.2#





#15
2-Fluorobiphenyl
Concen: 0.050 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

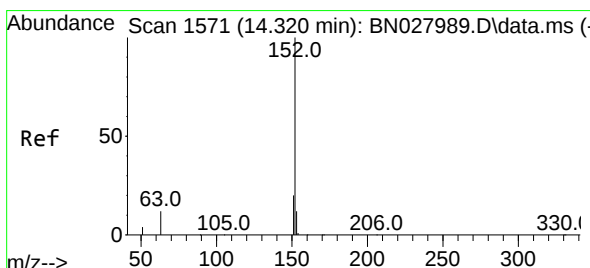
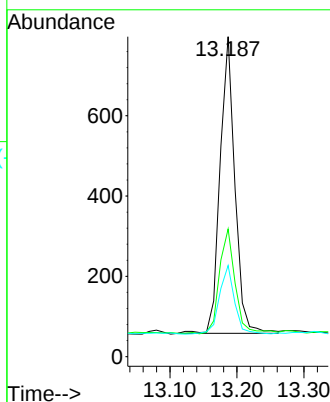
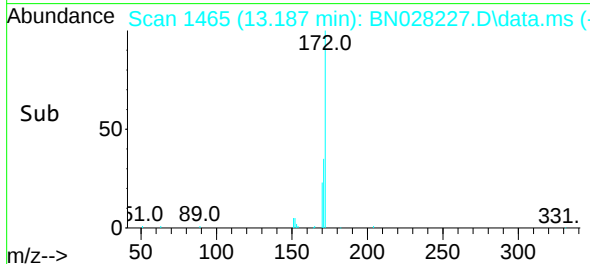
Instrument :
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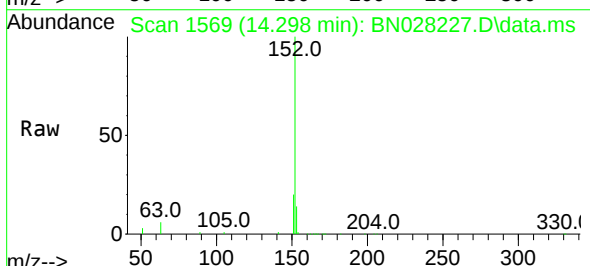
Tgt Ion:172 Resp: 1144
Ion Ratio Lower Upper
172 100
171 39.9 28.1 42.1
170 28.5 18.4 27.6

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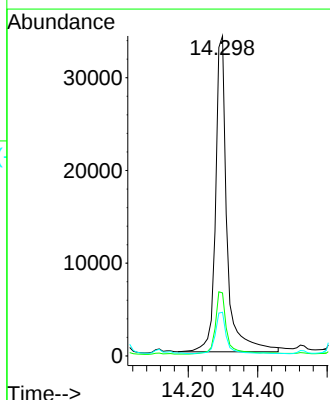
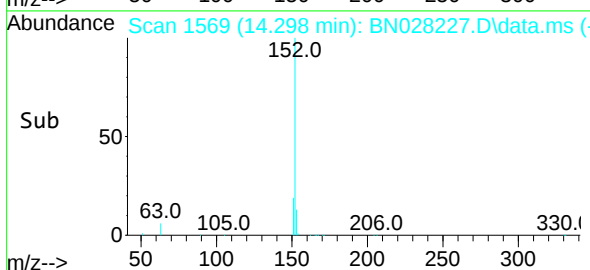
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

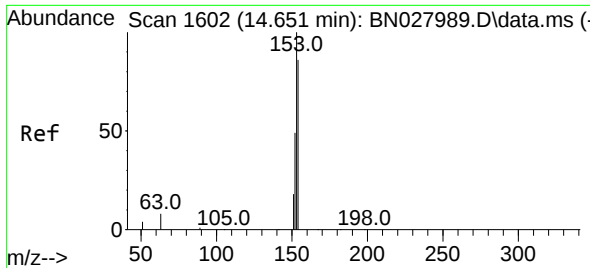


#16
Acenaphthylene
Concen: 2.764 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10



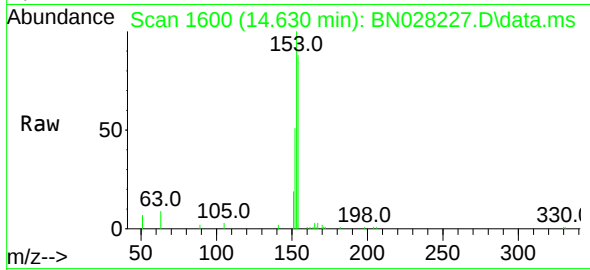
Tgt Ion:152 Resp: 77867
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 12.8 10.2 15.4





#17
Acenaphthene
Concen: 0.850 ng
RT: 14.630 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

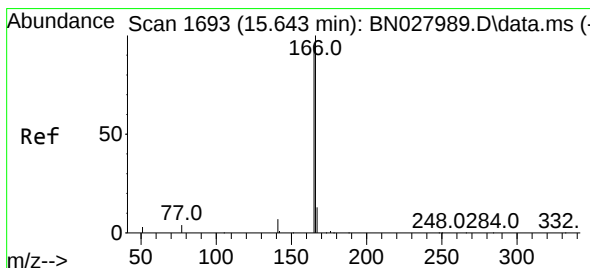
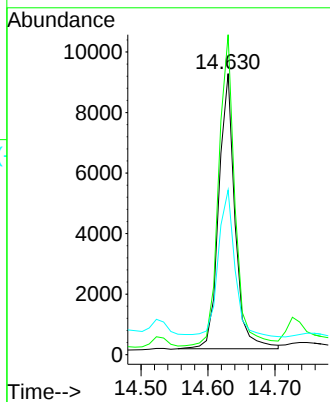
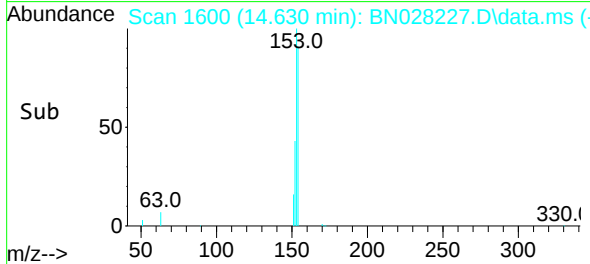
Instrument :
BNA_N
Client Sample Id :
Q-4(0-5)



Tgt Ion:154 Resp: 15260
Ion Ratio Lower Upper
154 100
153 114.4 90.8 136.2
152 55.3 43.9 65.9

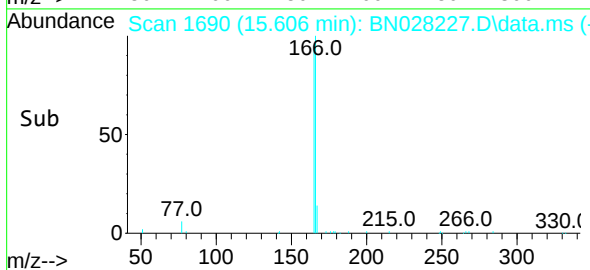
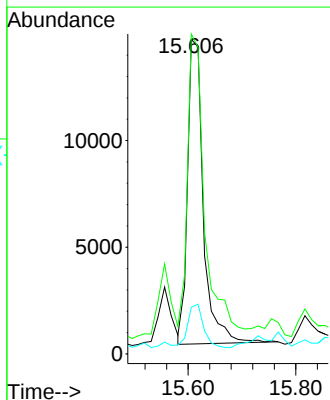
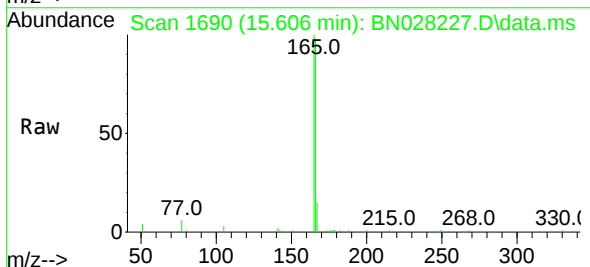
Manual Integrations
APPROVED

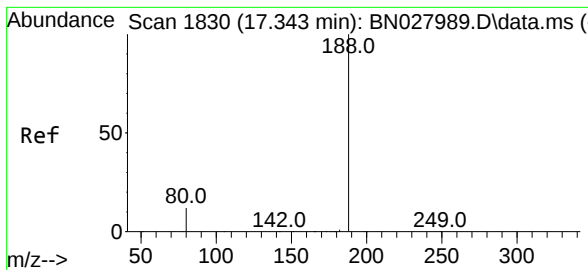
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 1.250 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

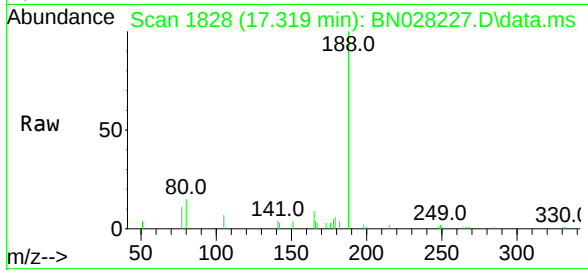
Tgt Ion:166 Resp: 29159
Ion Ratio Lower Upper
166 100
165 102.6 77.8 116.8
167 15.3 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

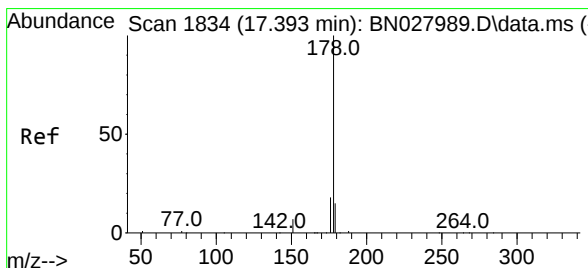
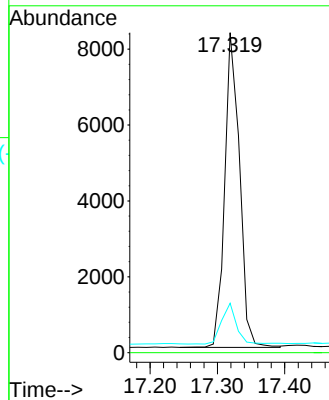
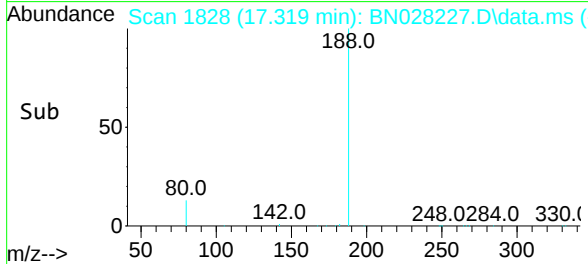
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



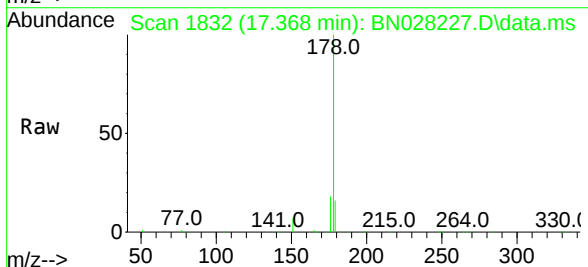
Tgt Ion:188 Resp: 1266
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.5 10.2 15.4

Manual Integrations
APPROVED

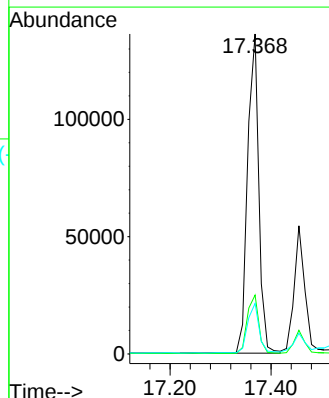
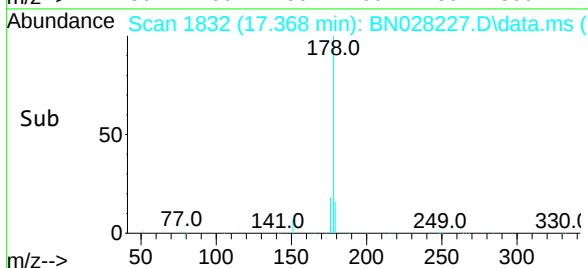
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

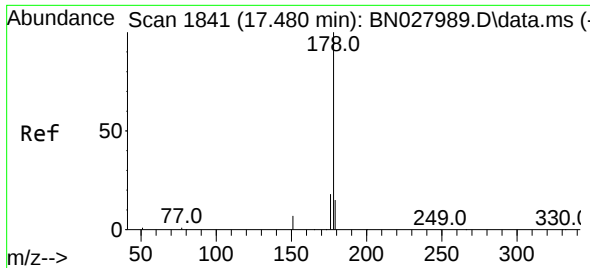


#25
Phenanthrene
Concen: 6.154 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10



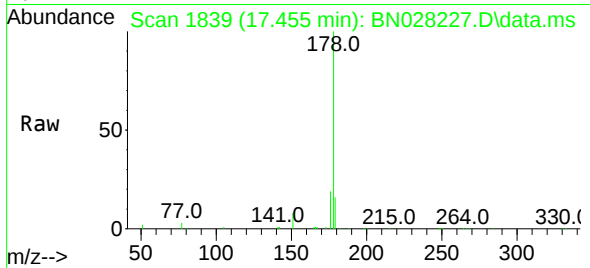
Tgt Ion:178 Resp: 210186
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 16.0 12.4 18.6





#26
 Anthracene
 Concen: 2.382 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028227.D
 Acq: 11 Oct 2023 10:10

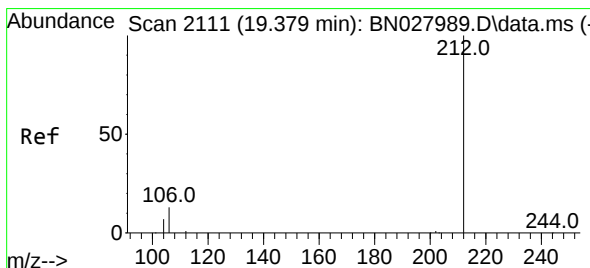
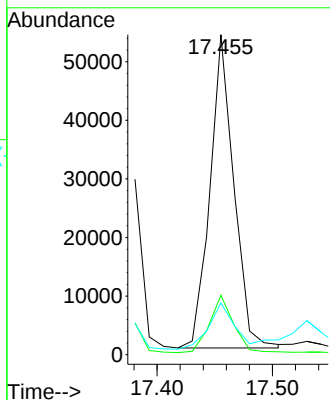
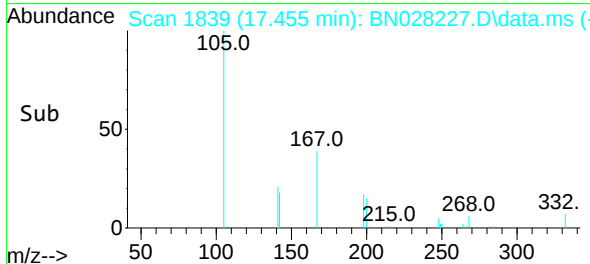
Instrument :
 BNA_N
 ClientSampleId :
 Q-4(0-5)



Tgt Ion:178 Resp: 7688
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.7 22.1
 179 17.5 12.2 18.2

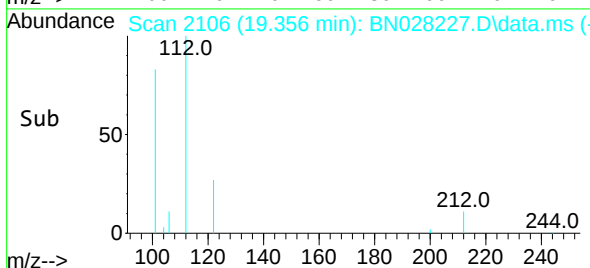
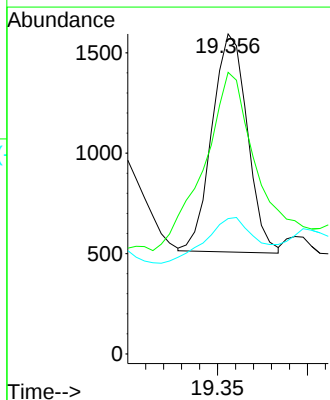
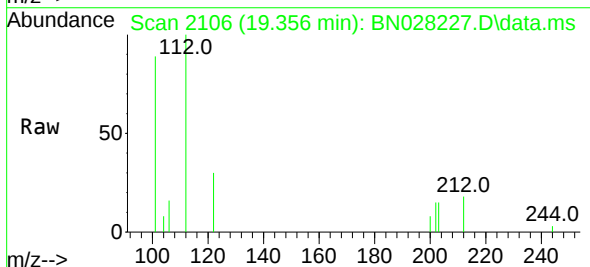
Manual Integrations
 APPROVED

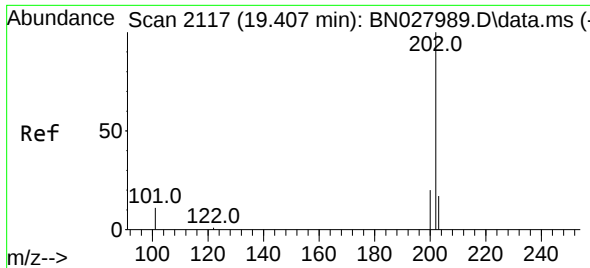
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.047 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: BN028227.D
 Acq: 11 Oct 2023 10:10

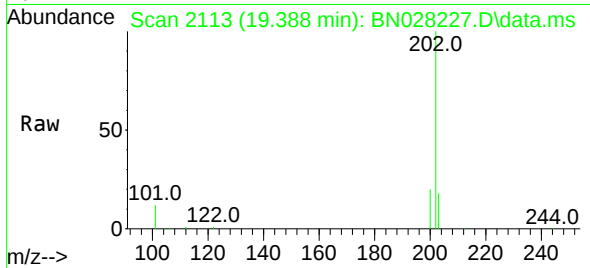
Tgt Ion:212 Resp: 1481
 Ion Ratio Lower Upper
 212 100
 106 124.9 11.3 16.9#
 104 29.3 6.4 9.6#





#28
Fluoranthene
Concen: 7.946 ng m
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

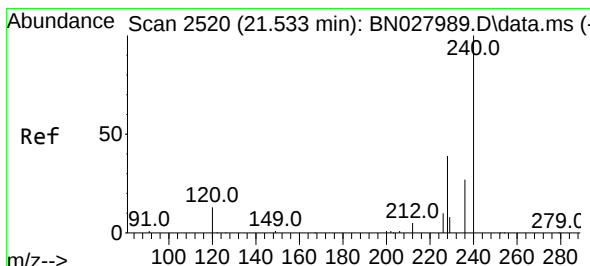
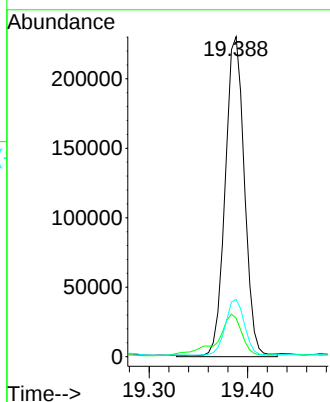
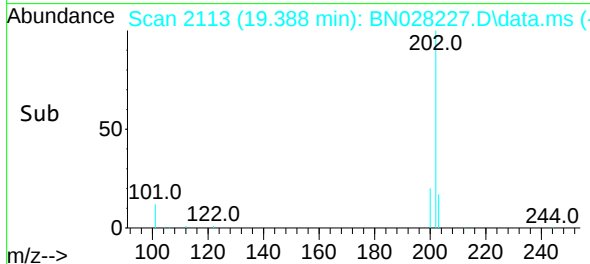
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



Tgt Ion:202 Resp: 313204
Ion Ratio Lower Upper
202 100
101 1.4 9.8 14.6#
203 2.4 13.8 20.8#

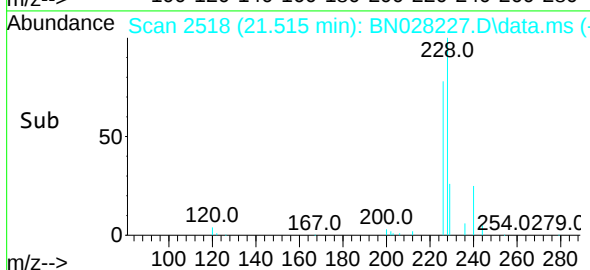
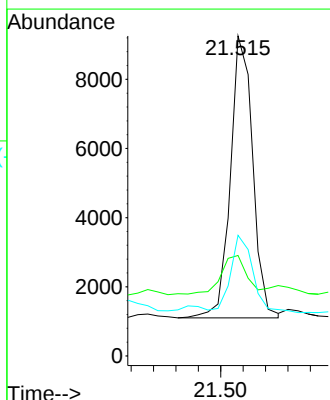
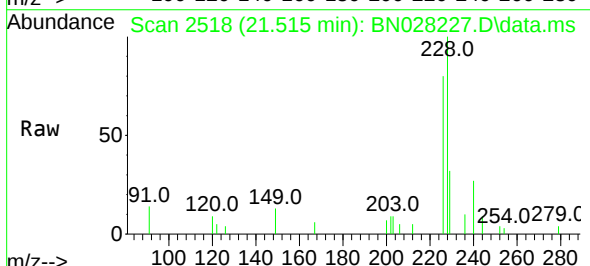
Manual Integrations
APPROVED

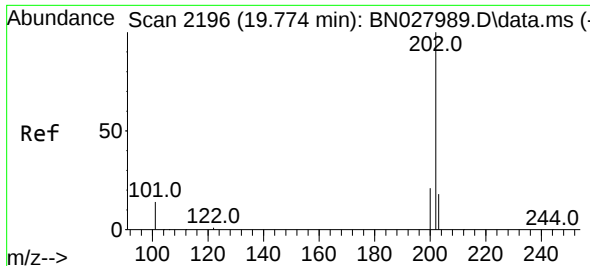
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

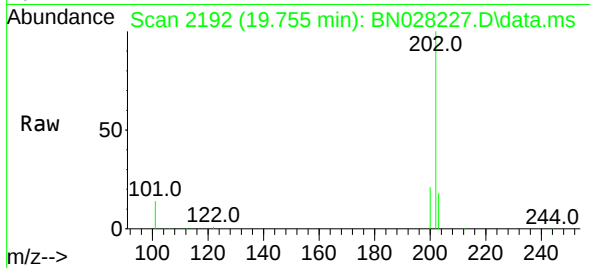
Tgt Ion:240 Resp: 11321
Ion Ratio Lower Upper
240 100
120 31.4 13.8 20.6#
236 37.7 22.6 33.8#





#30
Pyrene
Concen: 7.486 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.005 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

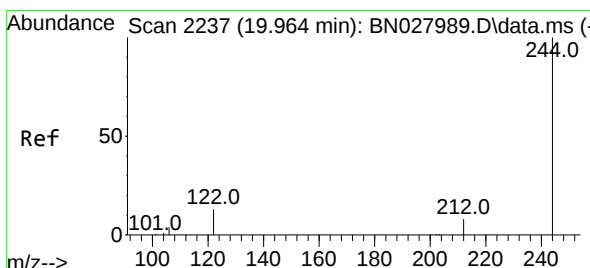
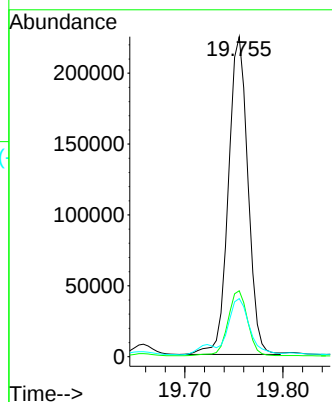
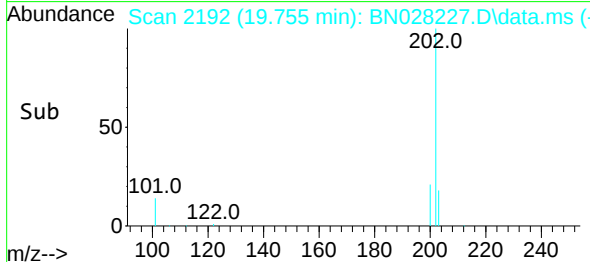
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



Tgt Ion:202 Resp: 31075
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 18.5 14.7 22.1

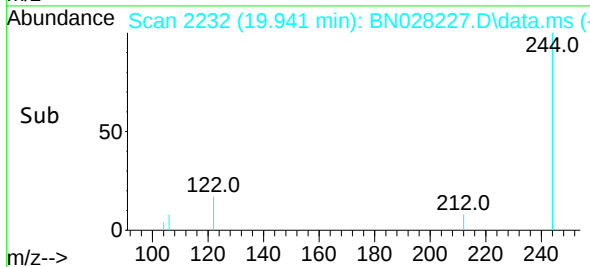
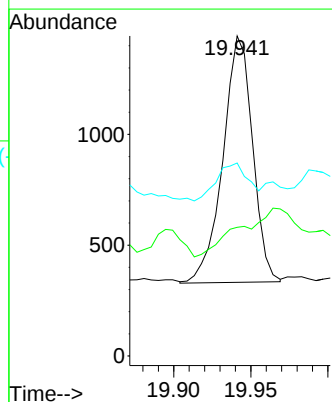
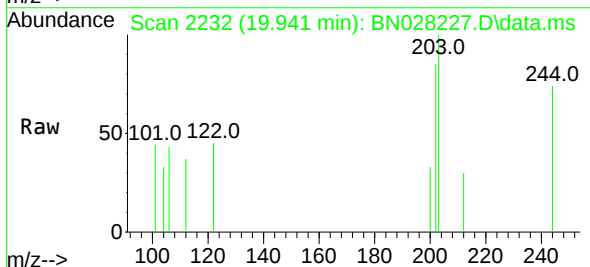
Manual Integrations
APPROVED

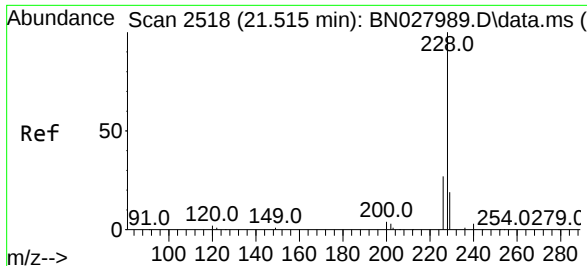
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.056 ng
RT: 19.941 min Scan# 2232
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

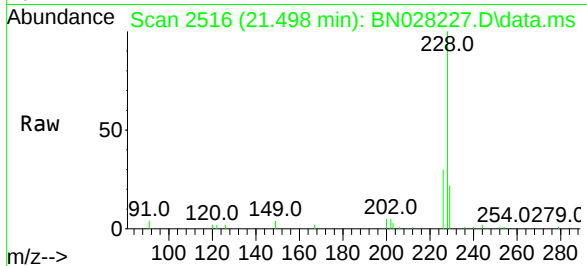
Tgt Ion:244 Resp: 1491
Ion Ratio Lower Upper
244 100
212 40.2 6.6 9.8#
122 60.3 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 4.335 ng
RT: 21.498 min Scan# 21498
Delta R.T. 0.000 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

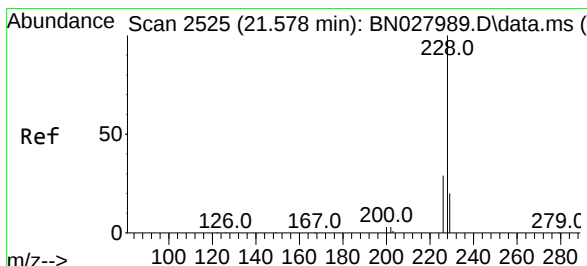
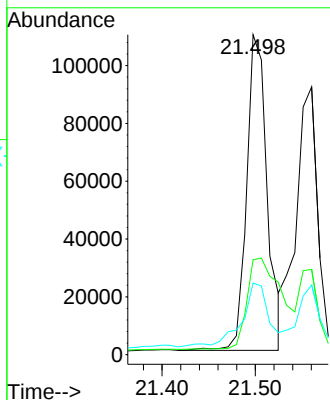
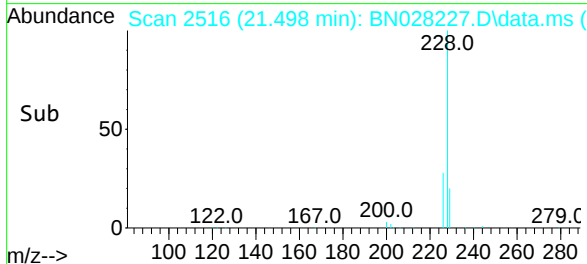
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



Tgt Ion:228 Resp: 167012
Ion Ratio Lower Upper
228 100
226 29.7 22.0 33.0
229 22.4 16.0 24.0

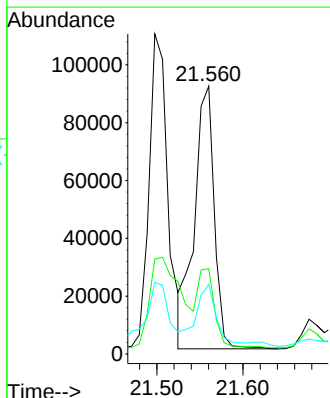
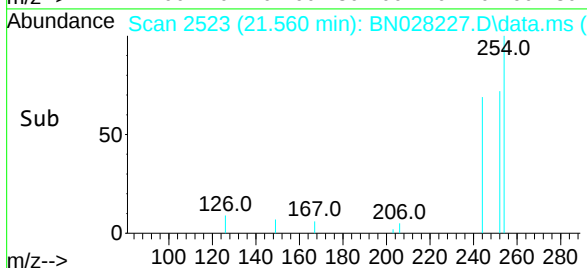
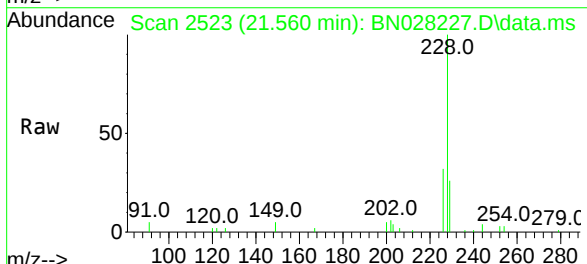
Manual Integrations
APPROVED

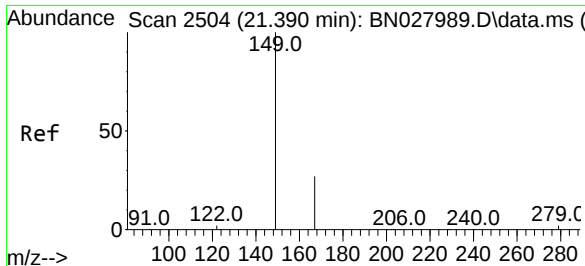
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#33
Chrysene
Concen: 3.962 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

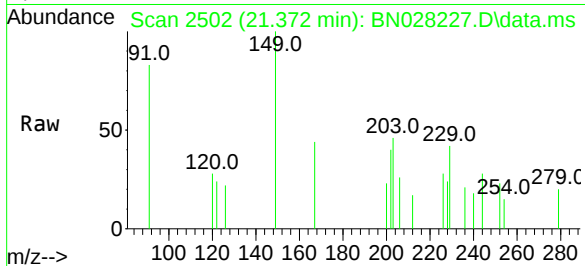
Tgt Ion:228 Resp: 147096
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.8
229 26.0 16.6 25.0#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 21.372 min Scan# 2135
Delta R.T. 0.009 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

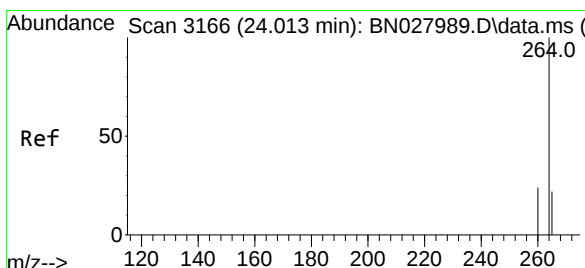
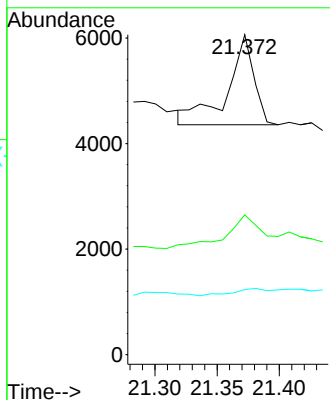
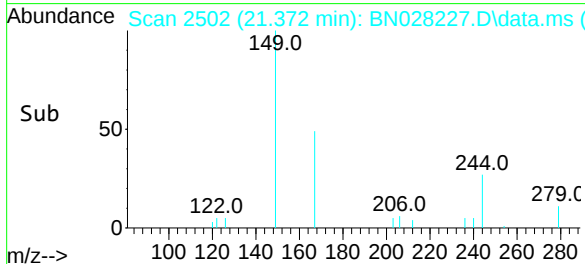
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



Tgt Ion:149 Resp: 2529
Ion Ratio Lower Upper
149 100
167 52.5 22.1 33.1
279 10.0 3.4 5.0

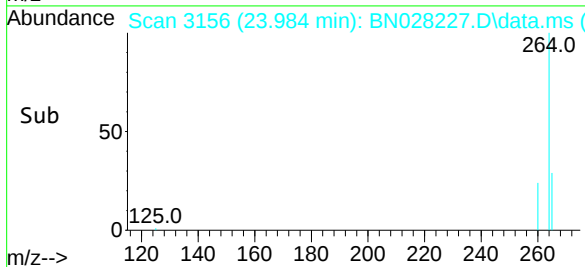
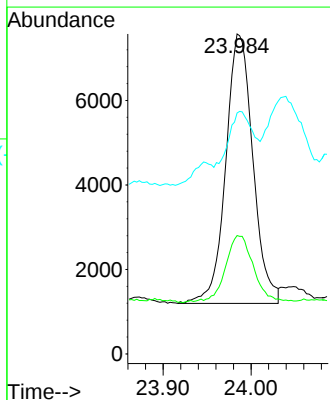
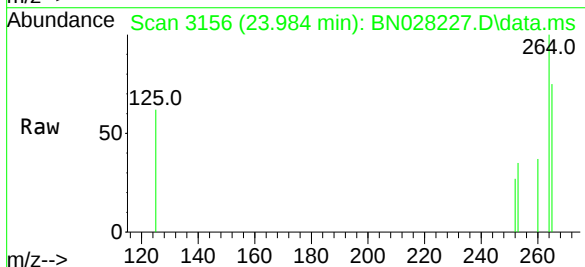
Manual Integrations
APPROVED

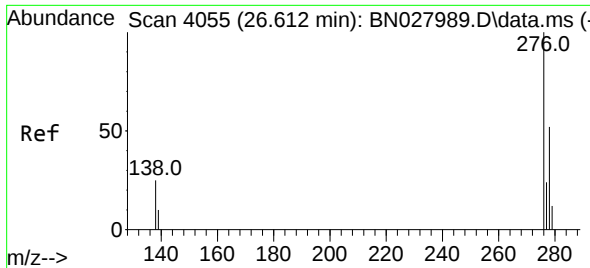
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.984 min Scan# 3156
Delta R.T. 0.009 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

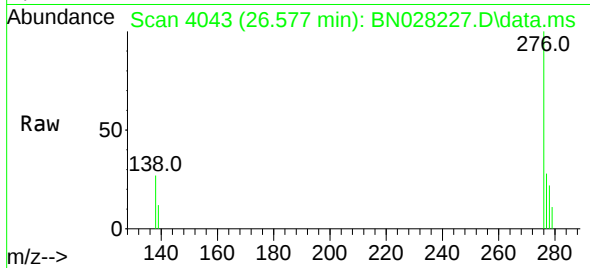
Tgt Ion:264 Resp: 13719
Ion Ratio Lower Upper
264 100
260 37.0 20.2 30.4
265 75.3 54.8 82.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.931 ng
RT: 26.577 min Scan# 4055
Delta R.T. 0.021 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

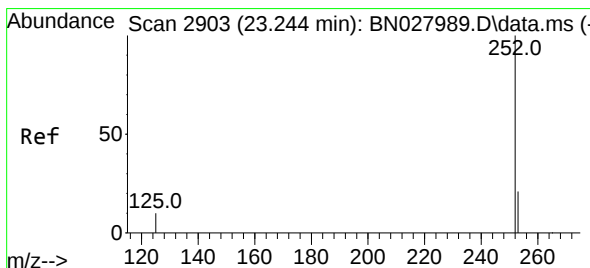
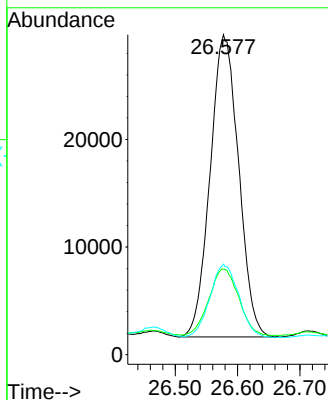
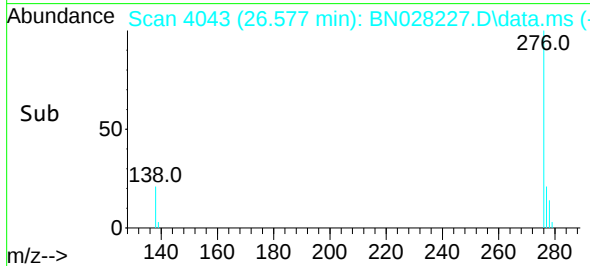
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



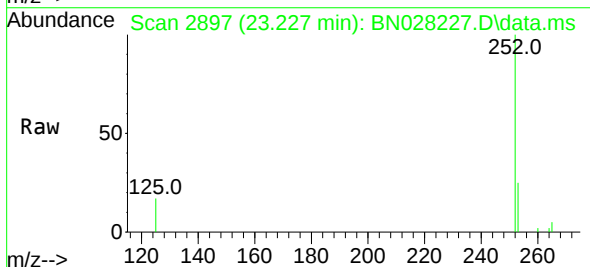
Tgt Ion:276 Resp: 89100
Ion Ratio Lower Upper
276 100
138 22.9 20.9 31.3
277 24.6 19.8 29.6

Manual Integrations
APPROVED

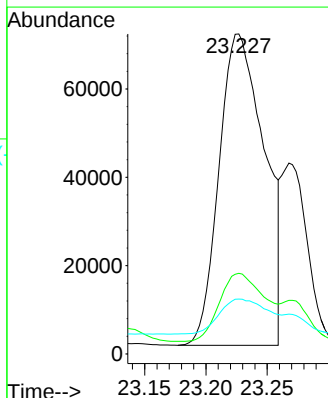
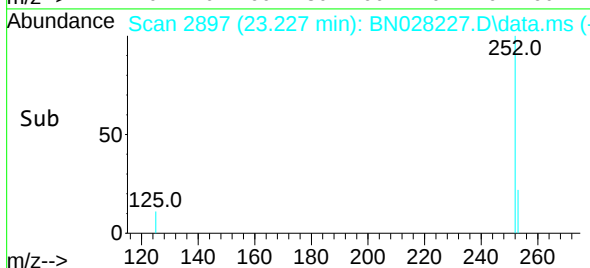
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

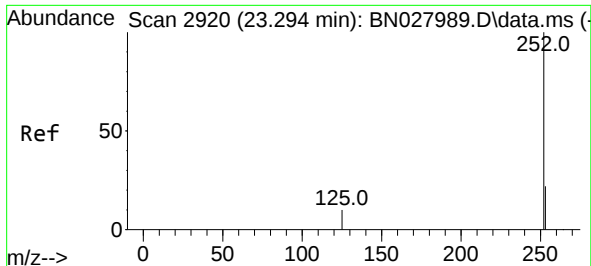


#37
Benzo(b)fluoranthene
Concen: 4.106 ng
RT: 23.227 min Scan# 2897
Delta R.T. 0.015 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10



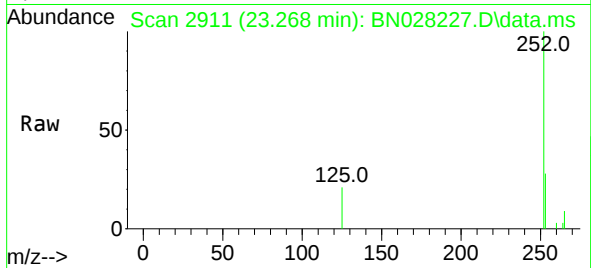
Tgt Ion:252 Resp: 181923
Ion Ratio Lower Upper
252 100
253 25.2 22.9 34.3
125 17.2 13.8 20.8





#38
Benzo(k)fluoranthene
Concen: 1.391 ng m
RT: 23.268 min Scan# 2911
Delta R.T. 0.006 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

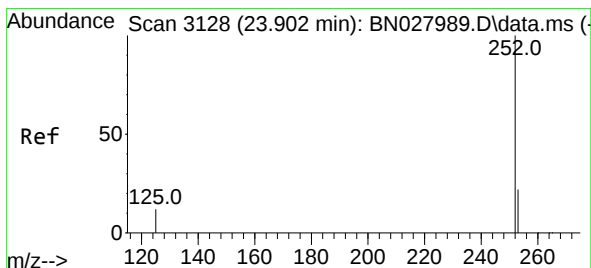
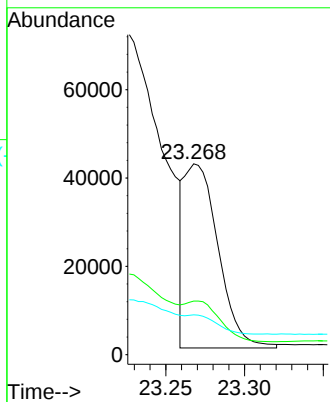
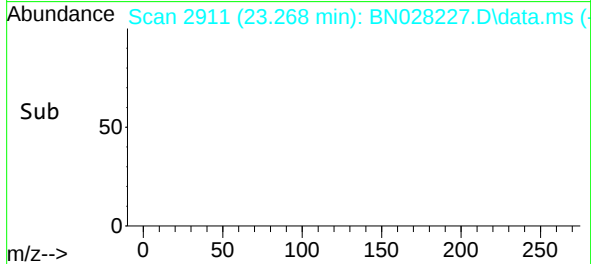
Instrument :
BNA_N
ClientSampleId :
Q-4(0-5)



Tgt Ion:252 Resp: 6250
Ion Ratio Lower Upper
252 100
253 28.1 23.1 34.7
125 20.8 13.8 20.8

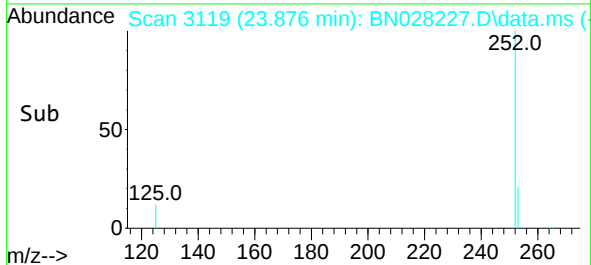
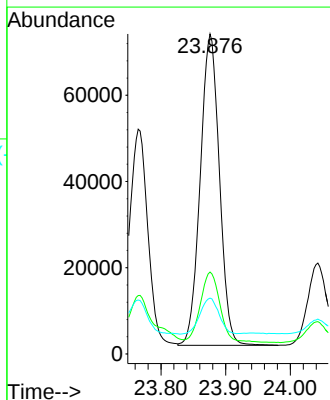
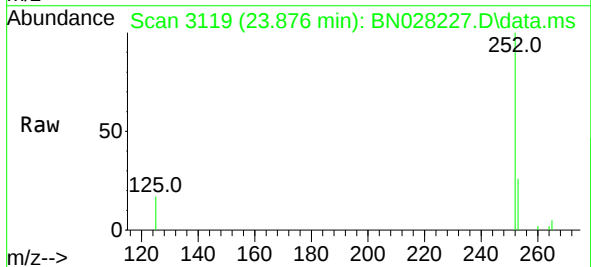
Manual Integrations
APPROVED

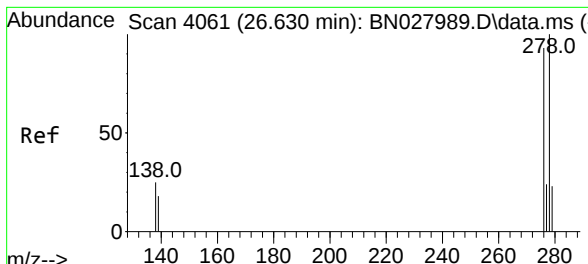
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 3.537 ng
RT: 23.876 min Scan# 3119
Delta R.T. 0.012 min
Lab File: BN028227.D
Acq: 11 Oct 2023 10:10

Tgt Ion:252 Resp: 148192
Ion Ratio Lower Upper
252 100
253 25.6 25.0 37.4
125 17.5 16.6 24.8





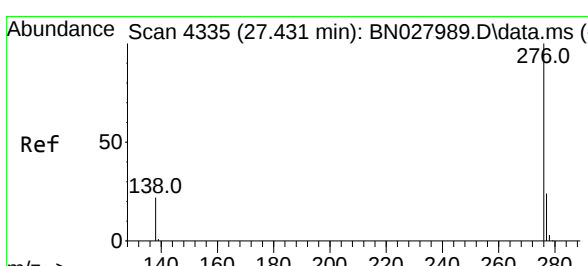
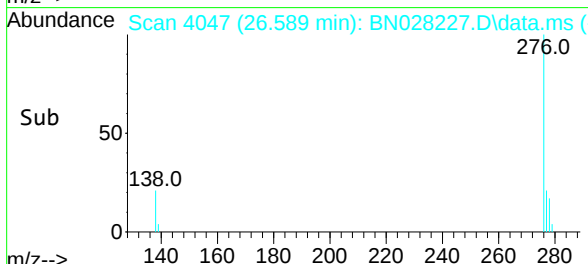
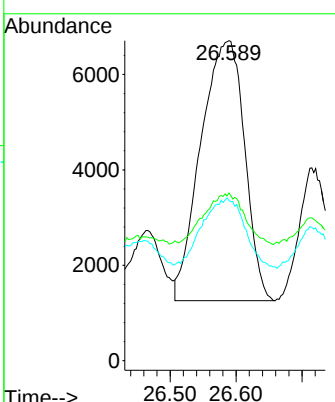
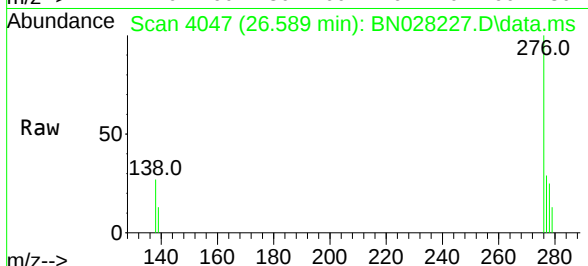
#40
 Dibenzo(a,h)anthracene
 Concen: 0.665 ng
 RT: 26.589 min Scan# 4061
 Delta R.T. 0.012 min
 Lab File: BN028227.D
 Acq: 11 Oct 2023 10:10

Instrument : BNA_N
 ClientSampleId : Q-4(0-5)

Tgt Ion: 278 Resp: 25119

Ion	Ratio	Lower	Upper
278	100		
139	52.4	17.7	26.5
279	50.0	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: 2.317 ng
 RT: 27.399 min Scan# 4324
 Delta R.T. 0.032 min
 Lab File: BN028227.D
 Acq: 11 Oct 2023 10:10

Tgt Ion: 276 Resp: 89782

Ion	Ratio	Lower	Upper
276	100		
277	28.7	22.1	33.1
138	28.2	20.8	31.2

