

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028219.D
 Acq On : 11 Oct 2023 05:22
 Operator : MA/JU
 Sample : 04767-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 05:50:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	4010	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12761	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7917	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	13676	0.400	ng	0.00
29) Chrysene-d12	21.515	240	11005m	0.400	ng	0.00
35) Perylene-d12	23.987	264	19317	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	4575	0.383	ng	0.00
5) Phenol-d6	7.084	99	5624	0.373	ng	0.00
8) Nitrobenzene-d5	9.123	82	4053	0.373	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	6669	0.353	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1269	0.350	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	9057	0.317	ng	0.00
27) Fluoranthene-d10	19.356	212	12499	0.364	ng	0.00
31) Terphenyl-d14	19.941	244	11565	0.450	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	107913	3.273	ng	98
12) 2-Methylnaphthalene	12.392	142	57285	2.484	ng	99
16) Acenaphthylene	14.288	152	524605	14.958	ng	100
17) Acenaphthene	14.630	154	71783	3.211	ng	99
18) Fluorene	15.606	166	121647	4.189	ng	90
25) Phenanthrene	17.368	178	1433309	38.875	ng	99
26) Anthracene	17.455	178	604642	17.350	ng	# 95
28) Fluoranthene	19.388	202	2084838	48.996	ng	99
30) Pyrene	19.755	202	2456905	60.883	ng	100
32) Benzo(a)anthracene	21.497	228	1395046	37.253	ng	98
33) Chrysene	21.560	228	1216903	33.720	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	7160	0.291	ng	# 64
36) Indeno(1,2,3-cd)pyrene	26.586	276	686801	10.570	ng	97
37) Benzo(b)fluoranthene	23.227	252	1376392	22.062	ng	# 89
38) Benzo(k)fluoranthene	23.268	252	485286m	7.669	ng	
39) Benzo(a)pyrene	23.879	252	1175369m	19.924	ng	
40) Dibenzo(a,h)anthracene	26.589	278	210102	3.953	ng	99
41) Benzo(g,h,i)perylene	27.399	276	697622	12.787	ng	96

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

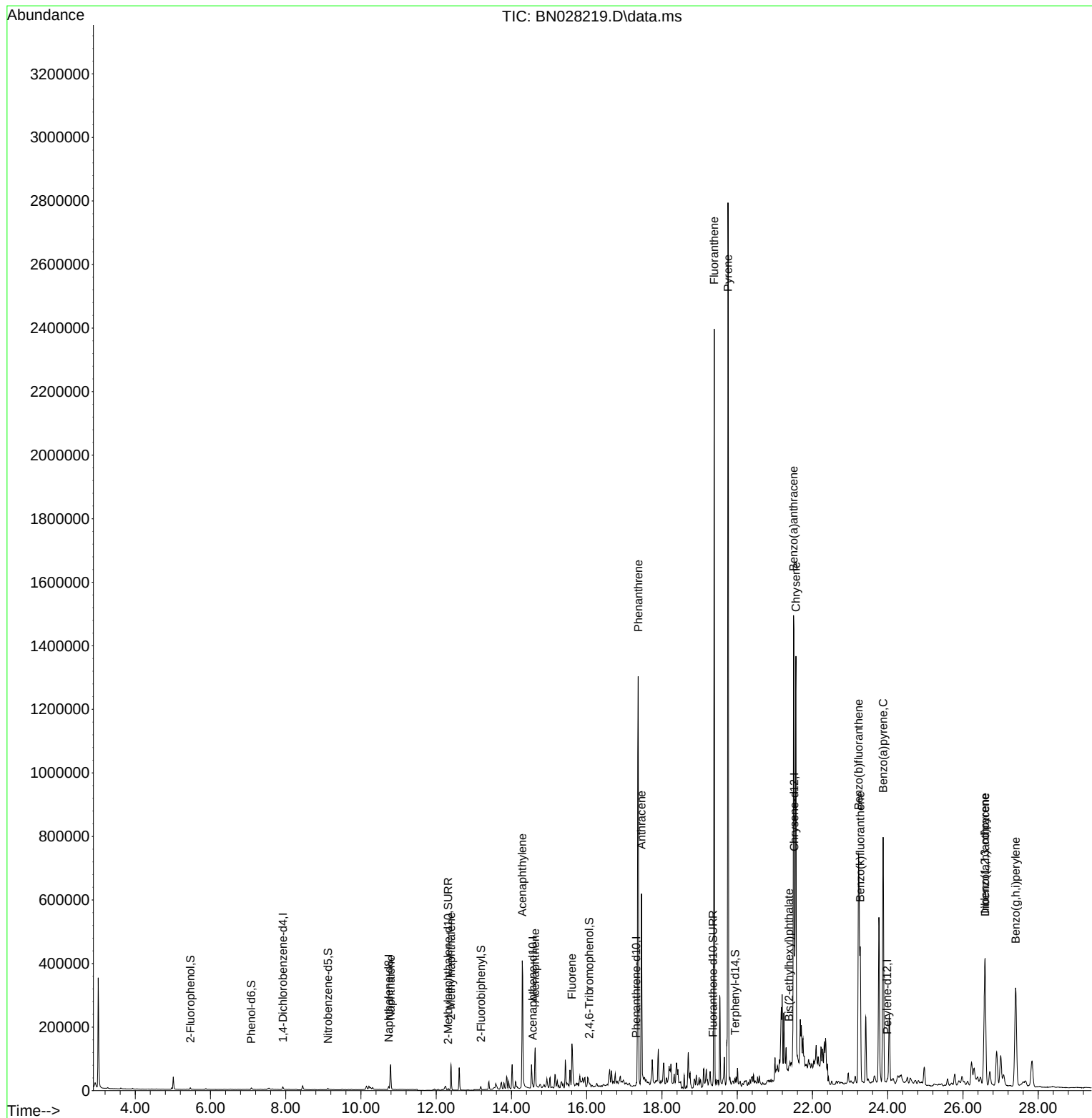
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028219.D
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ALS Vial : 27 Sample Multiplier: 1

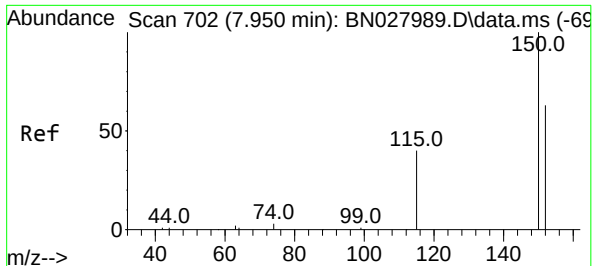
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)

Quant Time: Oct 11 05:50:51 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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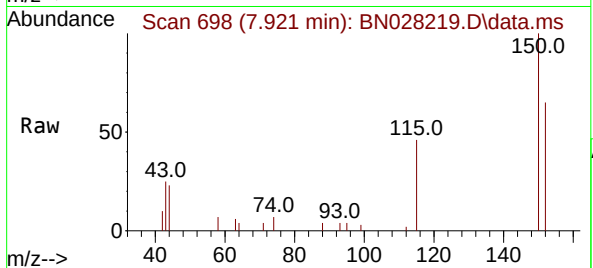
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.921 min Scan# 698
Delta R.T. -0.001 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

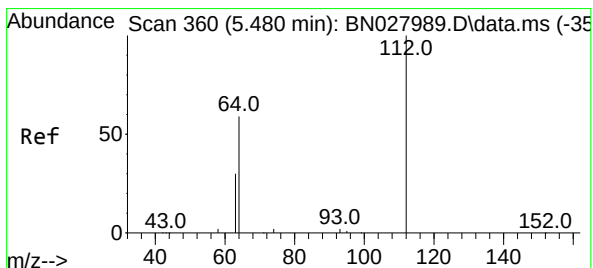
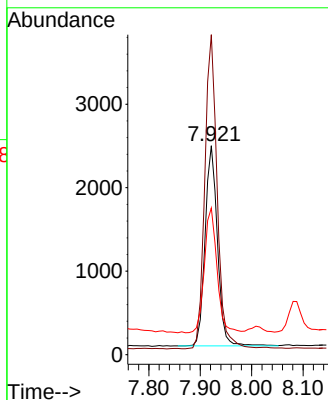
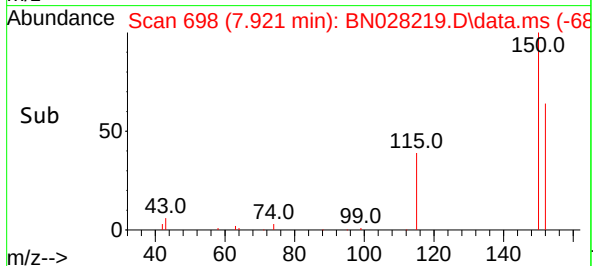
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



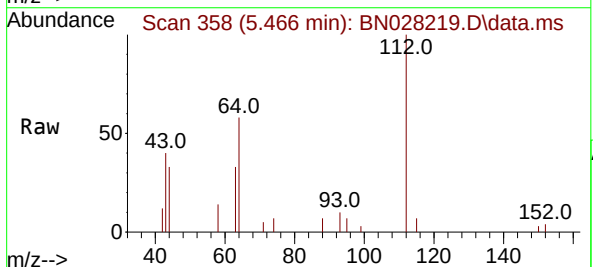
Tgt Ion:152 Resp: 4010
Ion Ratio Lower Upper
152 100
150 153.1 125.6 188.4
115 70.2 54.8 82.2

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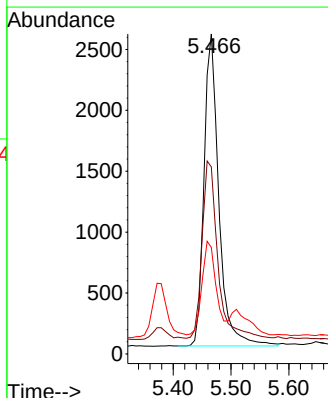
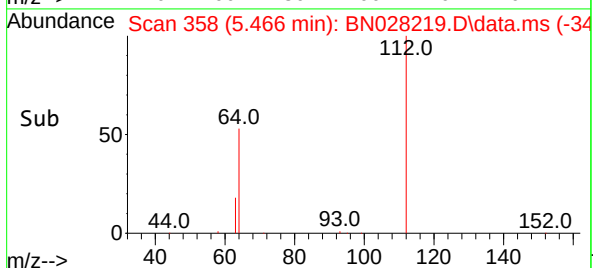
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

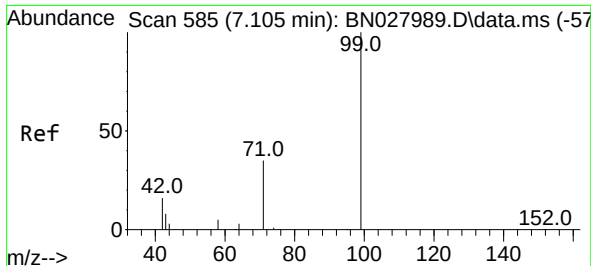


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22



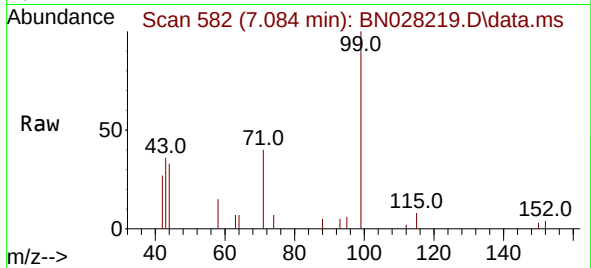
Tgt Ion:112 Resp: 4575
Ion Ratio Lower Upper
112 100
64 60.1 45.0 67.6
63 29.2 23.4 35.0





#5
Phenol-d6
Concen: 0.373 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

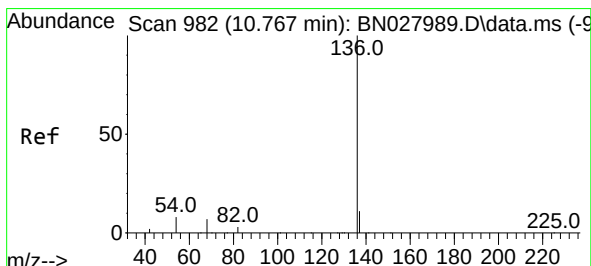
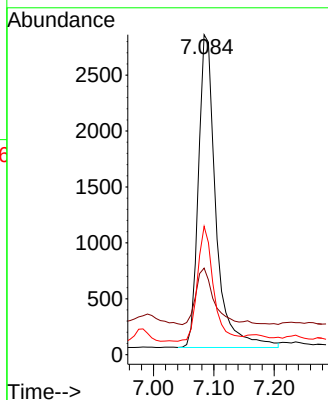
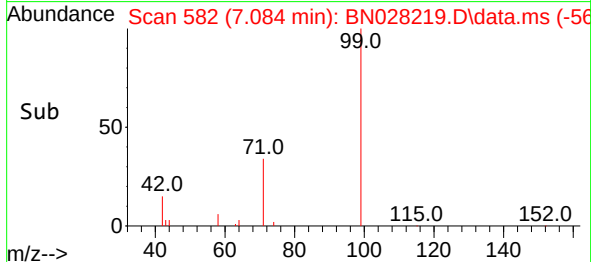
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion: 99 Resp: 5624
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 34.0 28.3 42.5

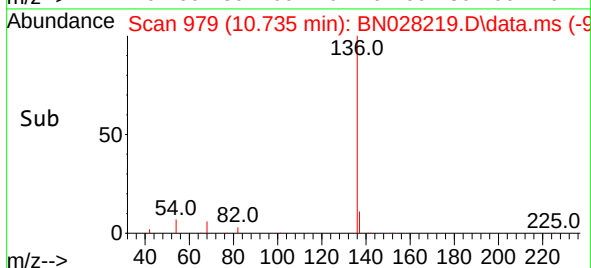
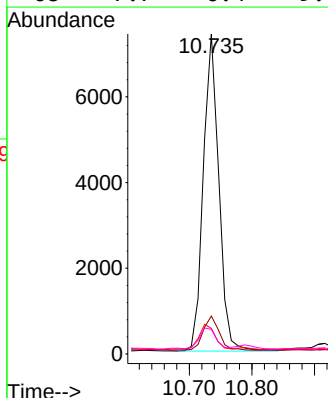
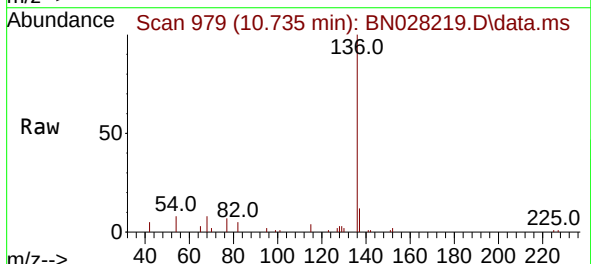
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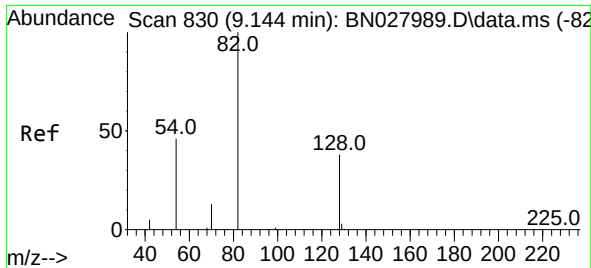
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:136 Resp: 12761
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 8.0 7.0 10.6
68 7.7 6.4 9.6





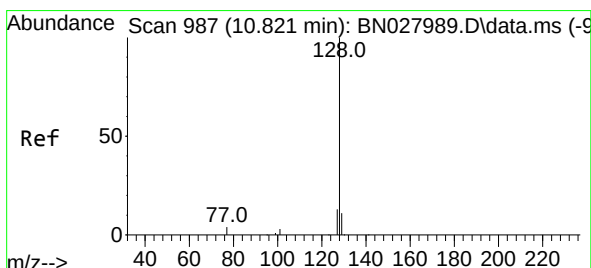
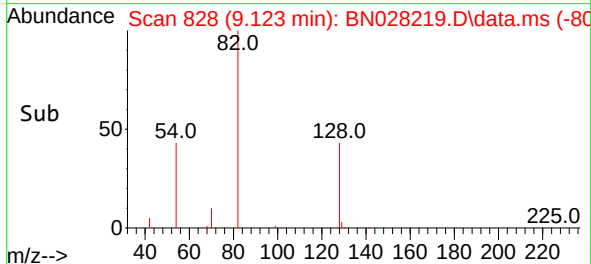
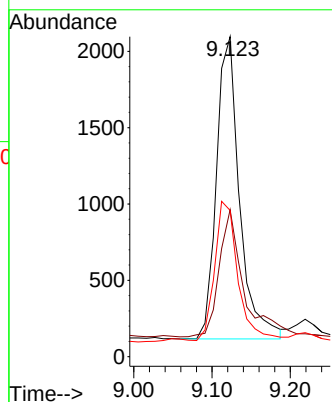
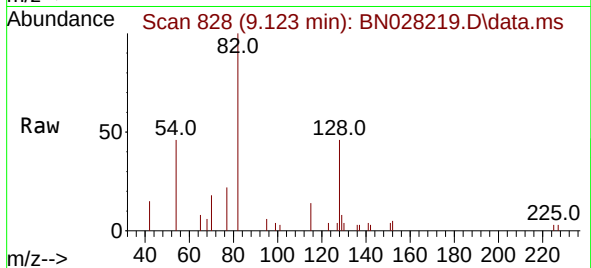
#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

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

Tgt Ion: 82 Resp: 405
Ion Ratio Lower Upper
82 100
128 45.9 32.7 49.1
54 45.7 38.7 58.1

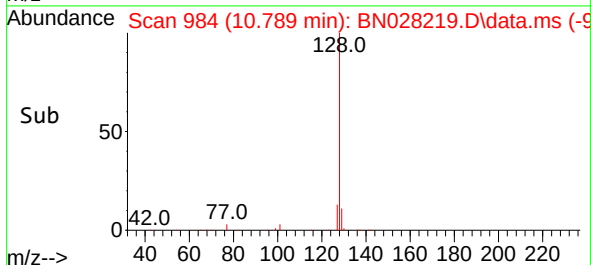
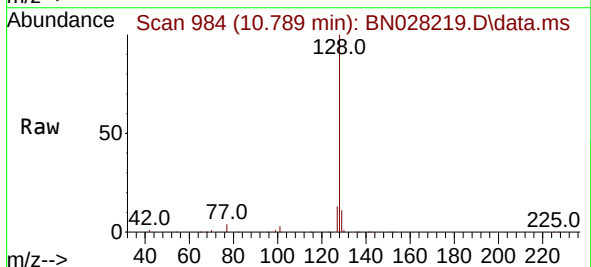
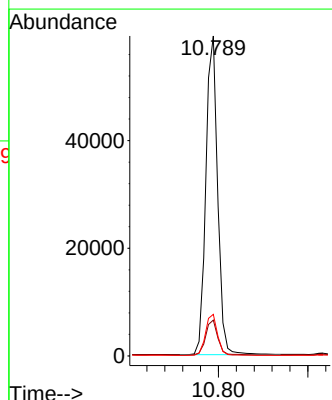
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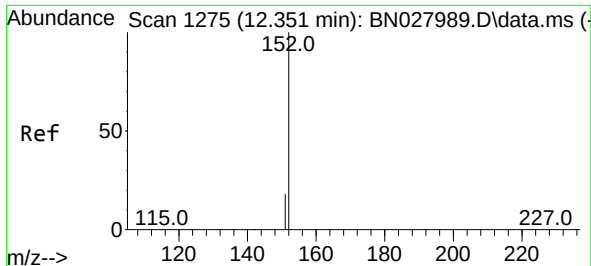
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 3.273 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

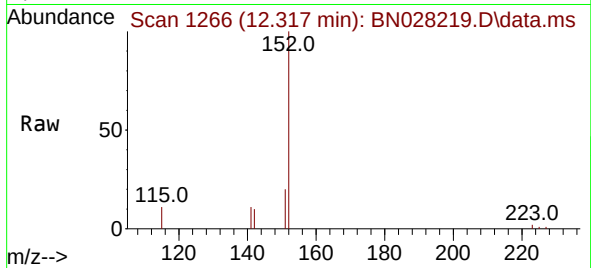
Tgt Ion:128 Resp: 107913
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.0 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

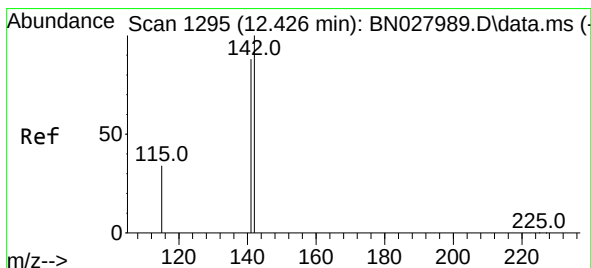
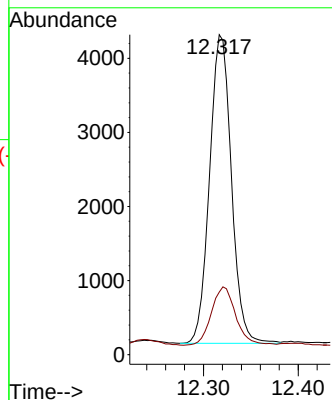
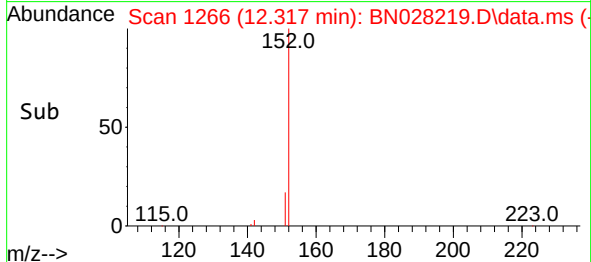
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



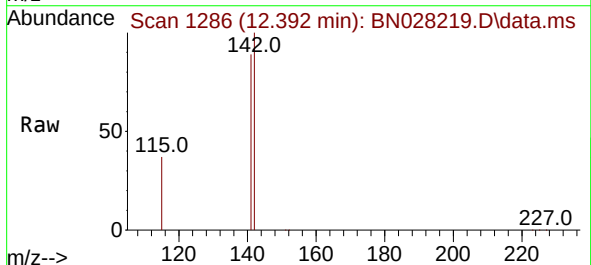
Tgt Ion:152 Resp: 6669
Ion Ratio Lower Upper
152 100
151 21.4 16.5 24.7

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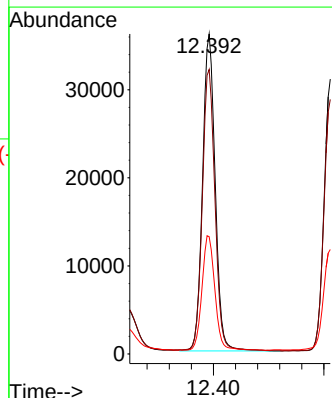
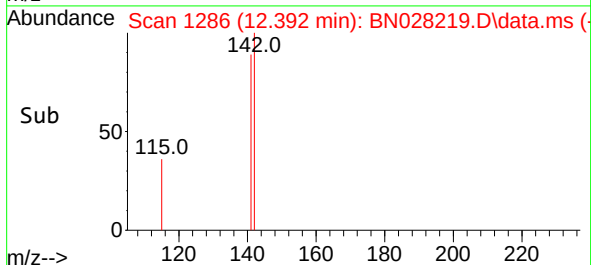
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

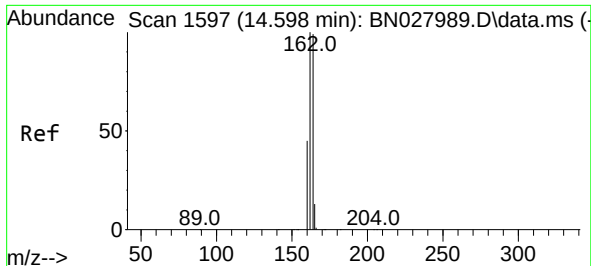


#12
2-Methylnaphthalene
Concen: 2.484 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22



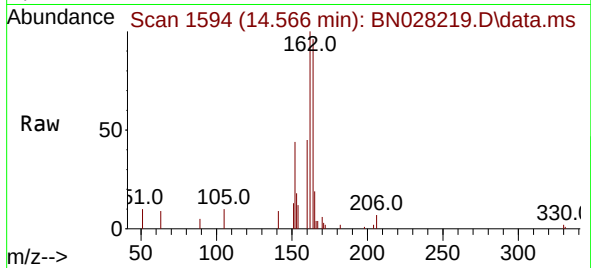
Tgt Ion:142 Resp: 57285
Ion Ratio Lower Upper
142 100
141 88.9 70.7 106.1
115 36.7 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

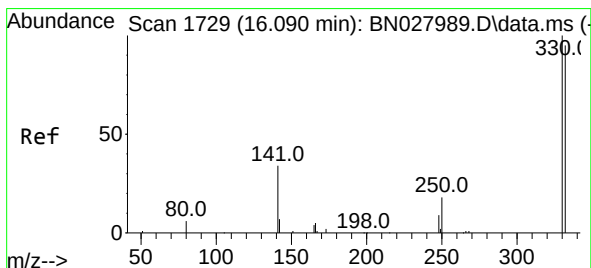
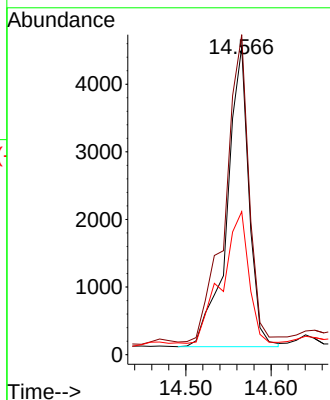
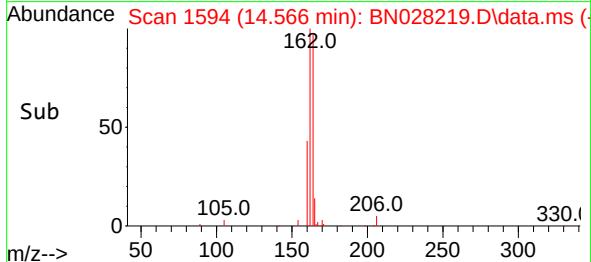
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion:164 Resp: 791
Ion Ratio Lower Upper
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162 104.0 80.8 121.2
160 46.5 36.4 54.6

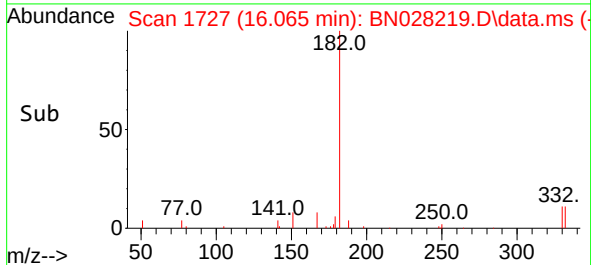
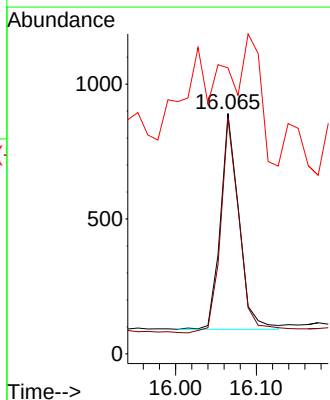
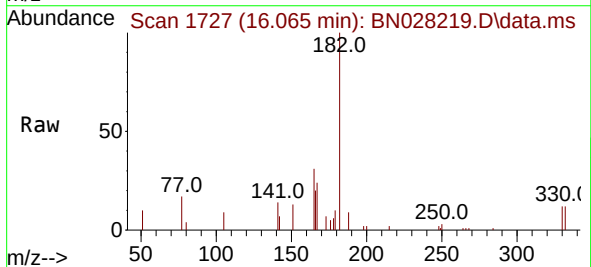
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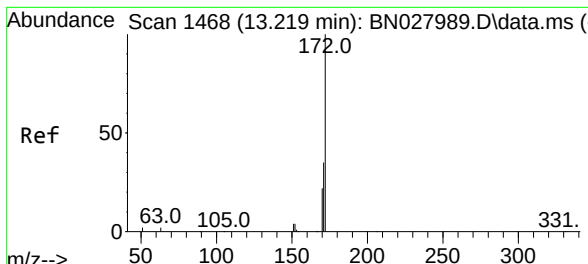
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:330 Resp: 1269
Ion Ratio Lower Upper
330 100
332 102.0 78.1 117.1
141 0.0 33.4 50.2#





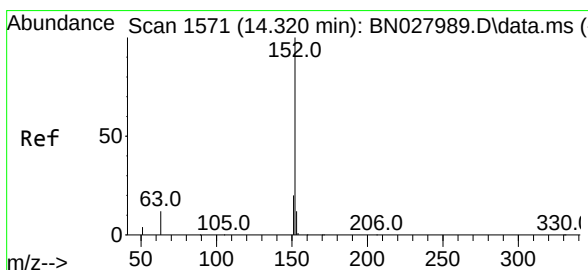
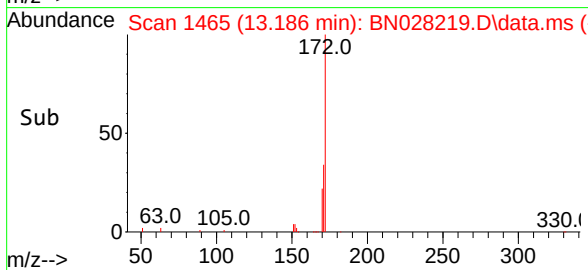
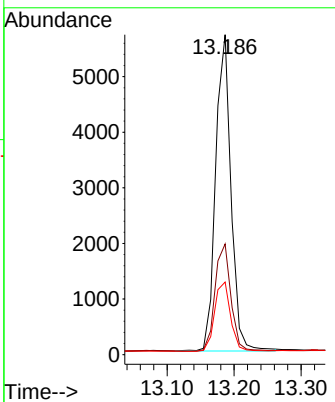
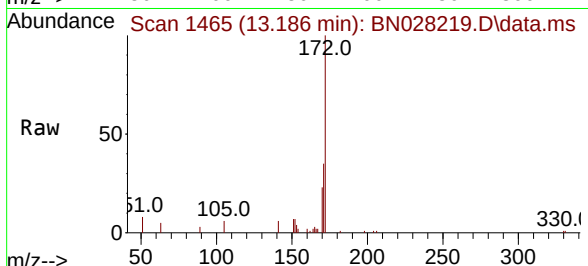
#15
 2-Fluorobiphenyl
 Concen: 0.317 ng
 RT: 13.186 min Scan# 1465
 Delta R.T. -0.000 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

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

Tgt Ion:	172	Resp:	905
Ion Ratio	Lower	Upper	
172	100		
171	34.6	28.1	42.1
170	22.7	18.4	27.6

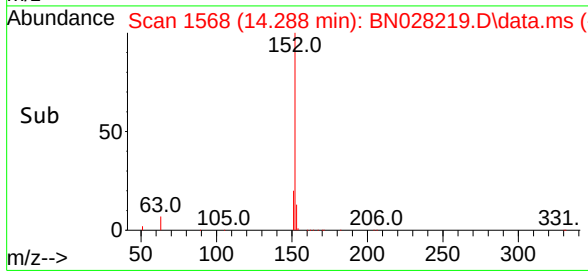
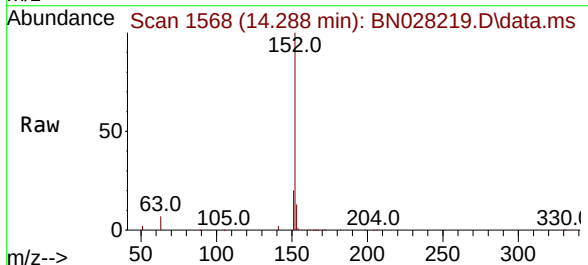
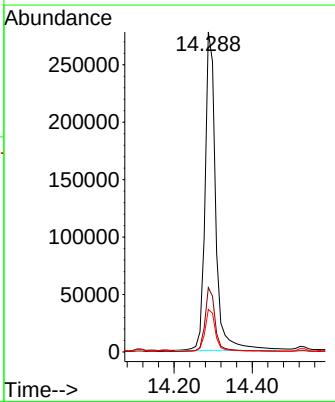
Manual Integrations
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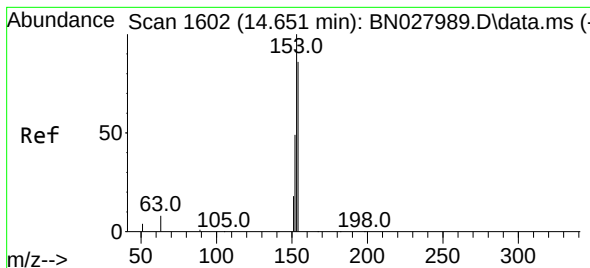
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#16
 Acenaphthylene
 Concen: 14.958 ng
 RT: 14.288 min Scan# 1568
 Delta R.T. -0.011 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

Tgt Ion:	152	Resp:	524605
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.8	23.6
153	13.0	10.2	15.4





#17

Acenaphthene

Concen: 3.211 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

Tgt Ion:154 Resp: 7178

Ion Ratio Lower Upper

154 100

153 114.4 90.8 136.2

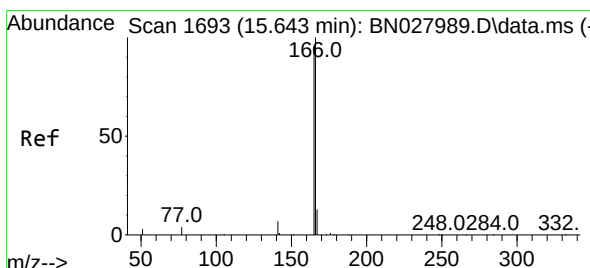
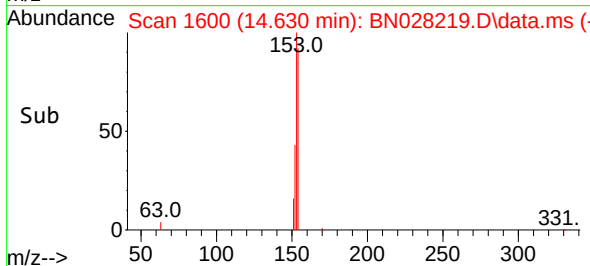
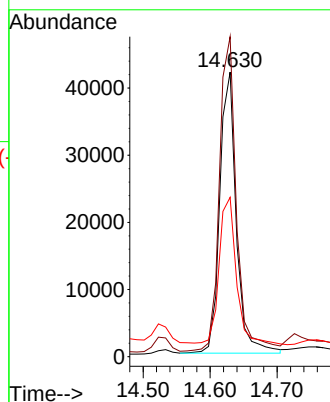
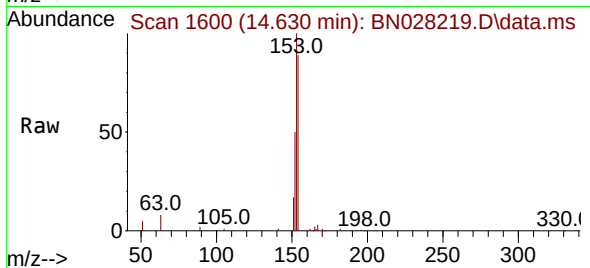
152 54.9 43.9 65.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#18

Fluorene

Concen: 4.189 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.013 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

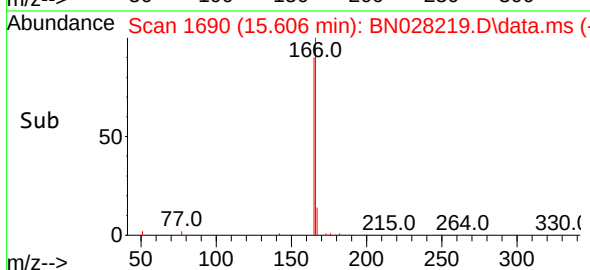
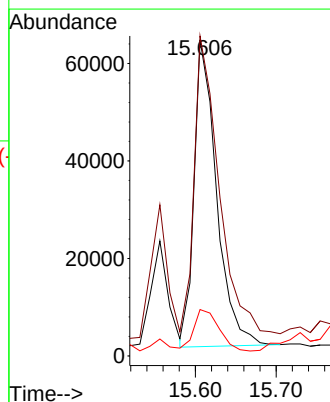
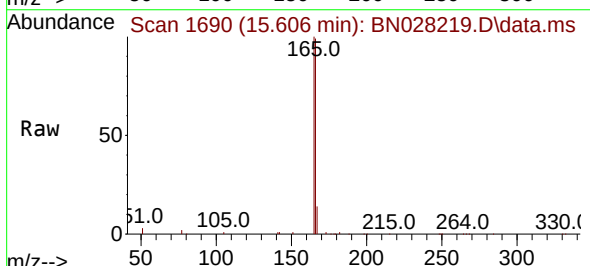
Tgt Ion:166 Resp: 121647

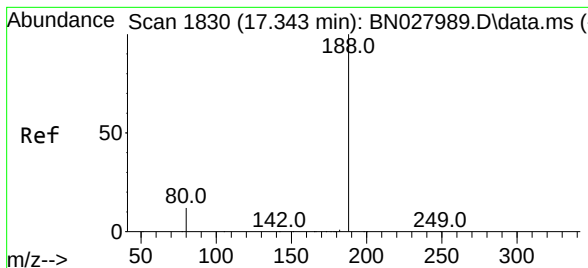
Ion Ratio Lower Upper

166 100

165 108.2 77.8 116.8

167 15.0 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: BN028219.D

Acq: 11 Oct 2023 05:22

Instrument :

BNA_N

ClientSampleId :

D-1(0-5)

Tgt Ion:188 Resp: 13670

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

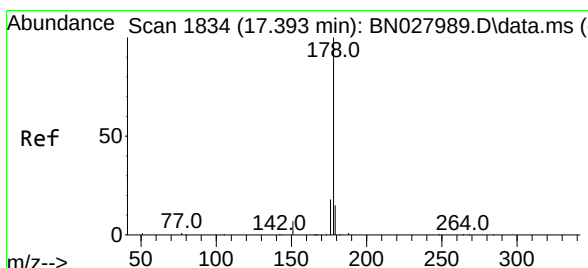
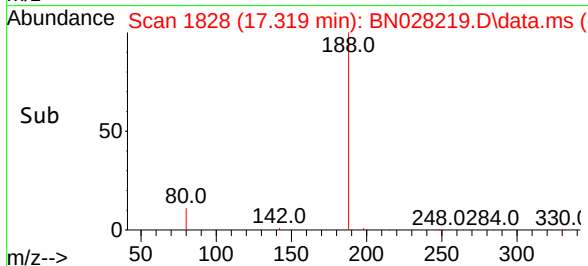
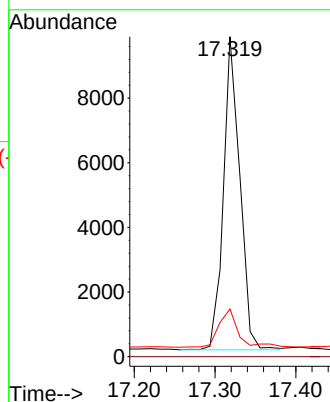
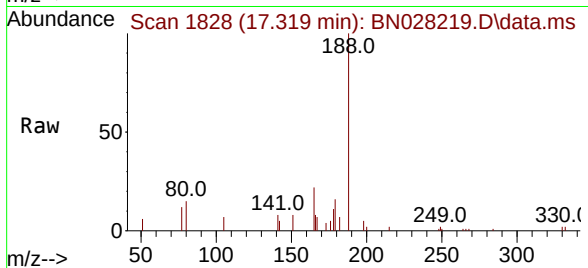
80 14.9 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#25

Phenanthrene

Concen: 38.875 ng

RT: 17.368 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BN028219.D

Acq: 11 Oct 2023 05:22

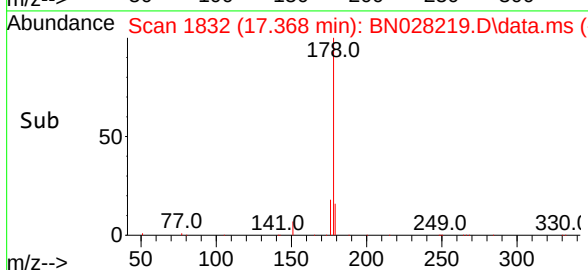
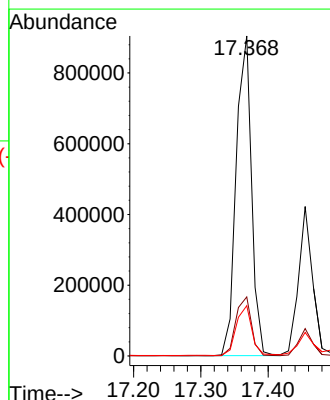
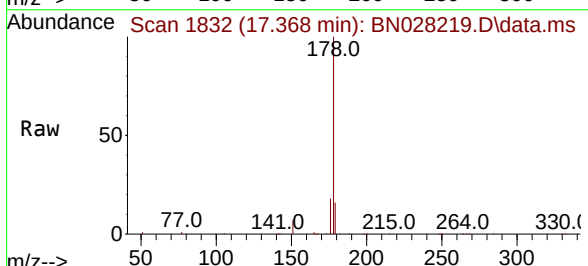
Tgt Ion:178 Resp: 1433309

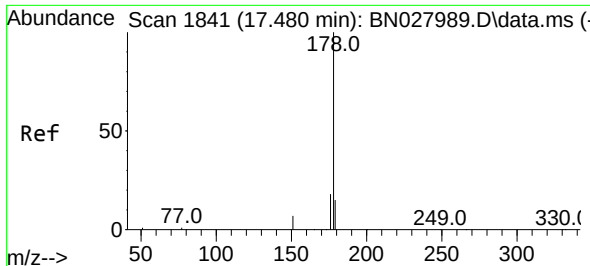
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

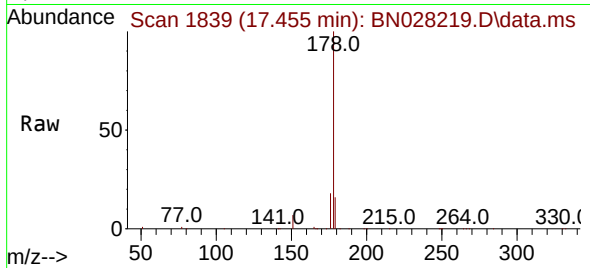
179 15.8 12.4 18.6





#26
 Anthracene
 Concen: 17.350 ng
 RT: 17.455 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

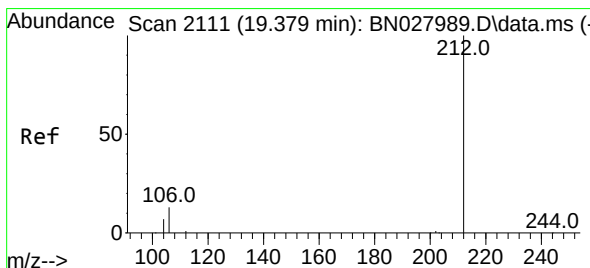
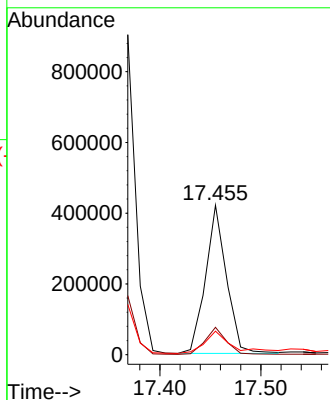
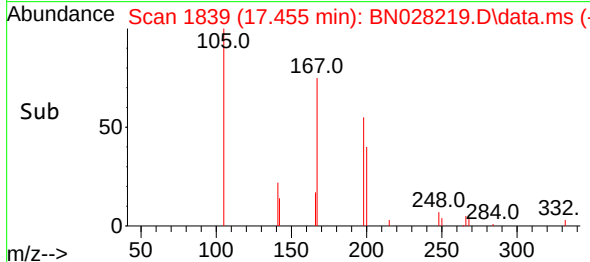
Instrument :
 BNA_N
 ClientSampleId :
 D-1(0-5)



Tgt Ion:178 Resp: 60464
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 19.8 12.2 18.2

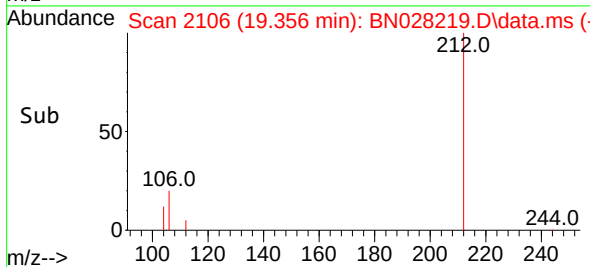
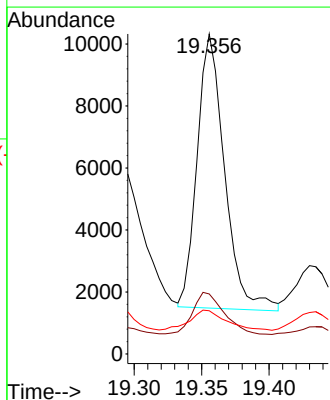
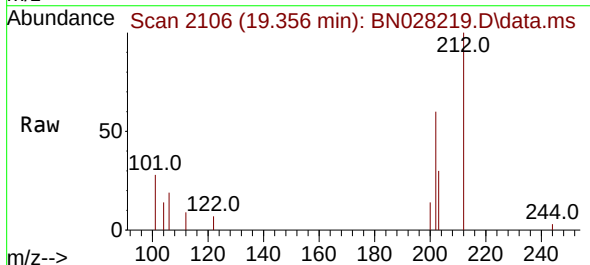
Manual Integrations
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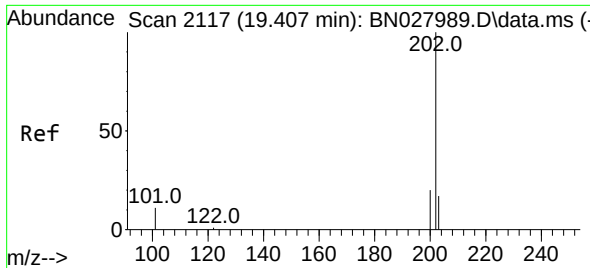
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.364 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. -0.000 min
 Lab File: BN028219.D
 Acq: 11 Oct 2023 05:22

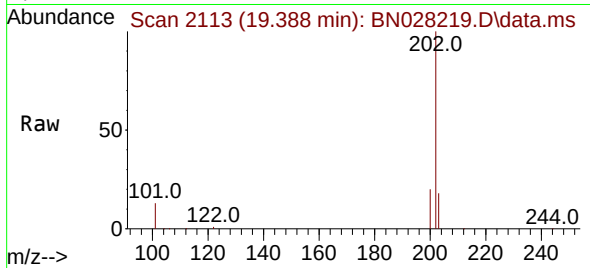
Tgt Ion:212 Resp: 12499
 Ion Ratio Lower Upper
 212 100
 106 17.4 11.3 16.9#
 104 9.7 6.4 9.6#





#28
Fluoranthene
Concen: 48.996 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

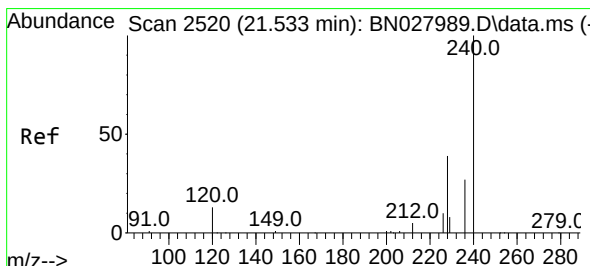
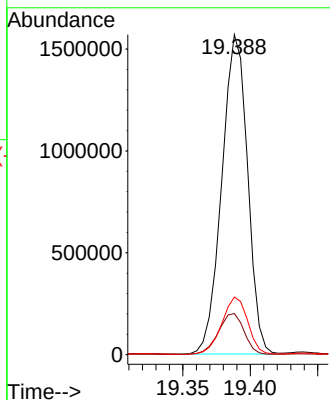
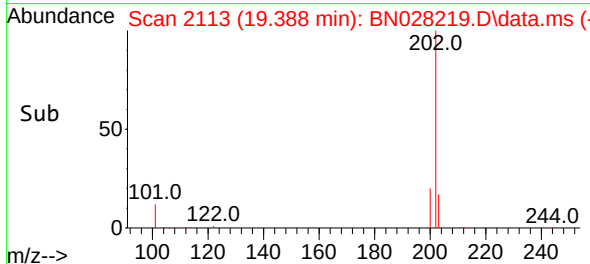
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion:202 Resp: 2084838
Ion Ratio Lower Upper
202 100
101 12.8 9.8 14.6
203 17.9 13.8 20.8

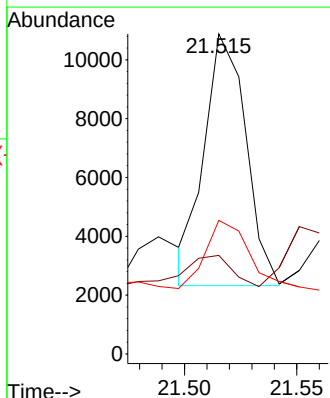
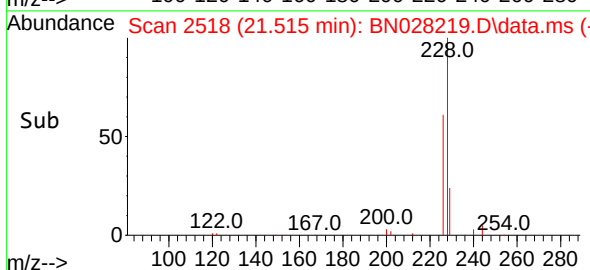
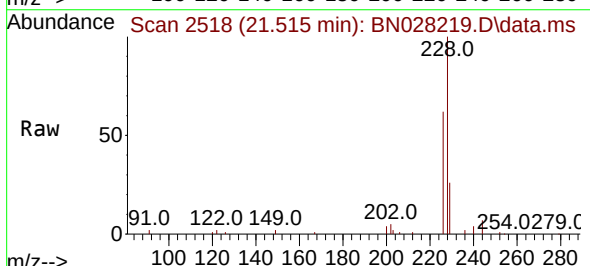
Manual Integrations
APPROVED

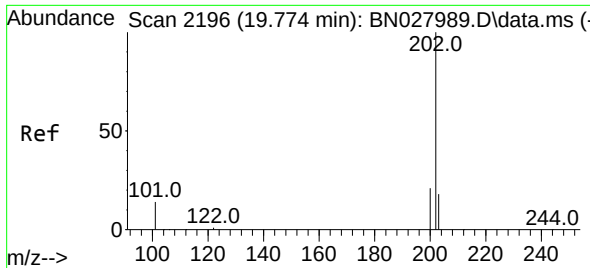
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.515 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

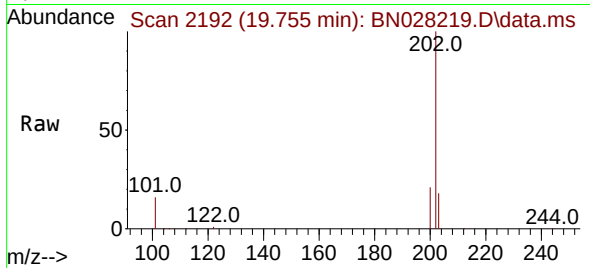
Tgt Ion:240 Resp: 11005
Ion Ratio Lower Upper
240 100
120 30.8 13.8 20.6#
236 41.8 22.6 33.8#





#30
Pyrene
Concen: 60.883 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.004 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

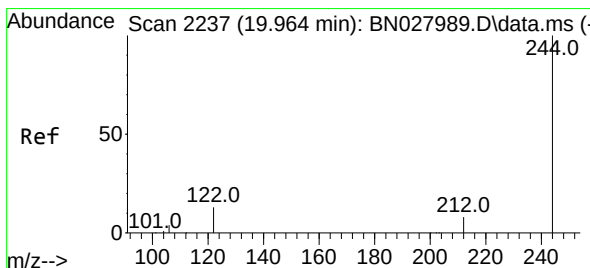
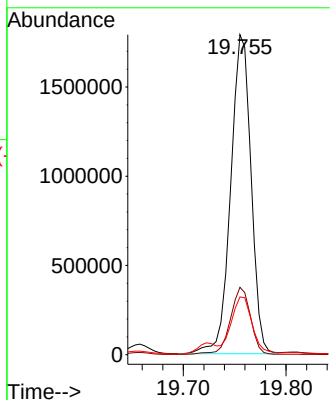
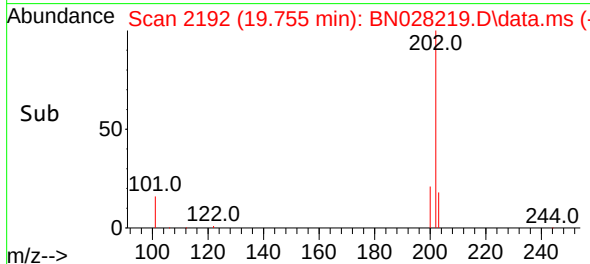
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion:202 Resp: 245690
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 18.5 14.7 22.1

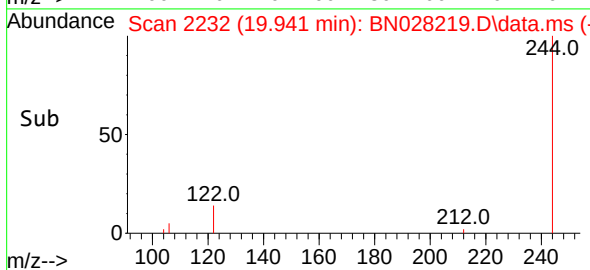
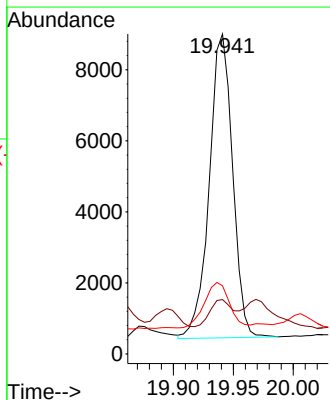
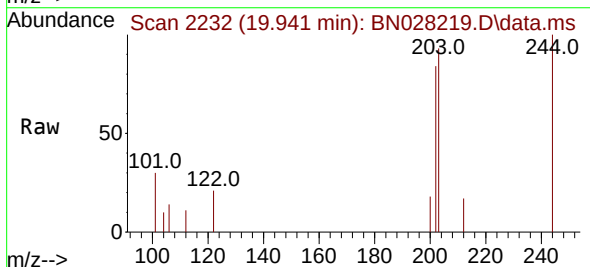
Manual Integrations
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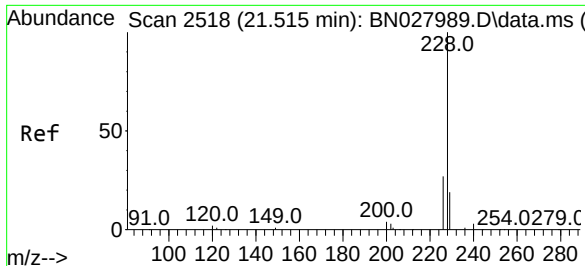
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.450 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

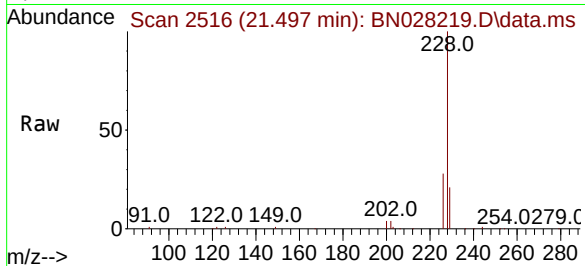
Tgt Ion:244 Resp: 11565
Ion Ratio Lower Upper
244 100
212 17.0 6.6 9.8#
122 21.3 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 37.253 ng
RT: 21.497 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

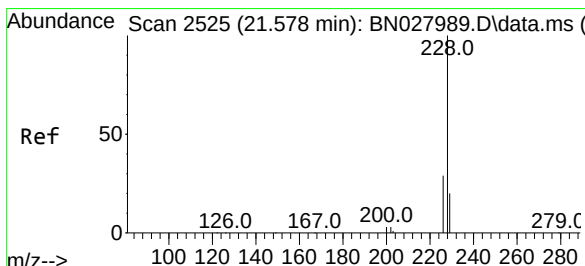
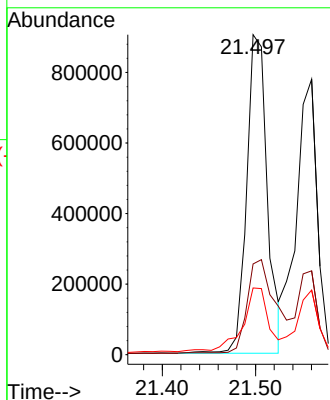
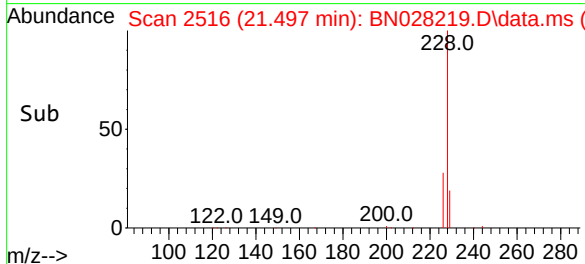
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



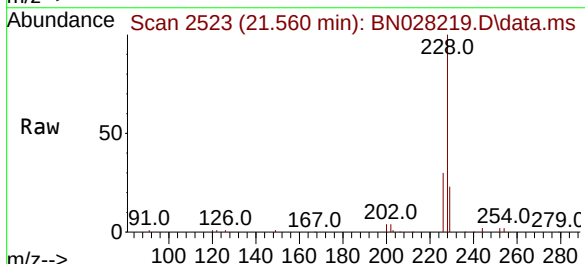
Tgt Ion:228 Resp: 1395040
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 20.9 16.0 24.0

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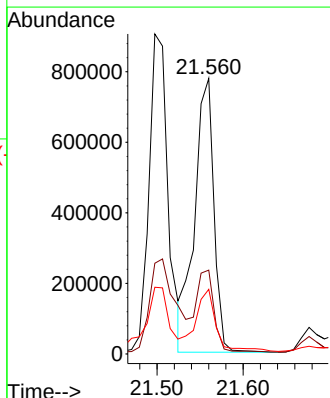
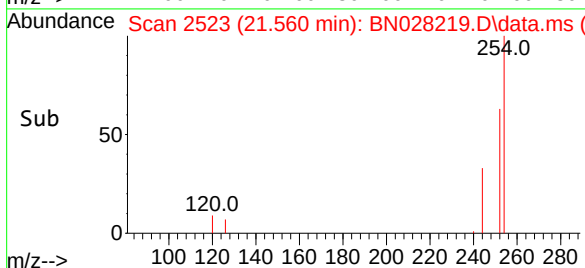
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

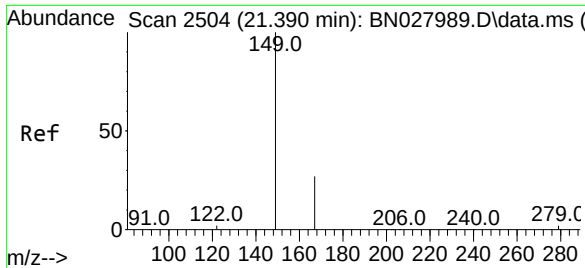


#33
Chrysene
Concen: 33.720 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22



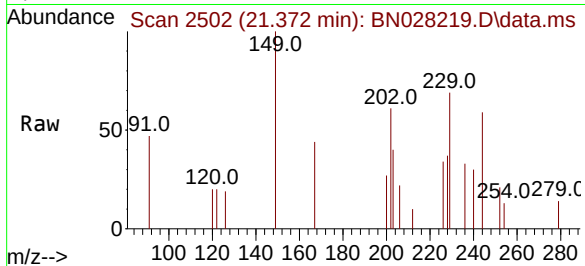
Tgt Ion:228 Resp: 1216903
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.8
229 23.5 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.291 ng
RT: 21.372 min Scan# 2160
Delta R.T. 0.009 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

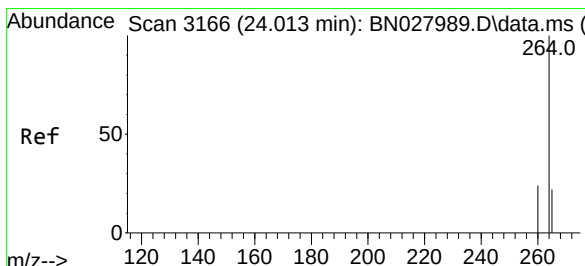
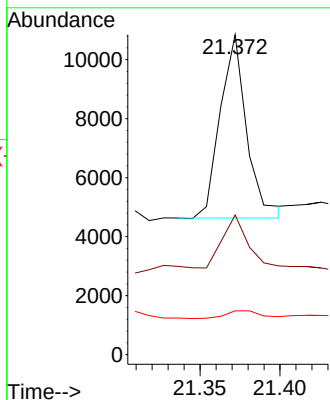
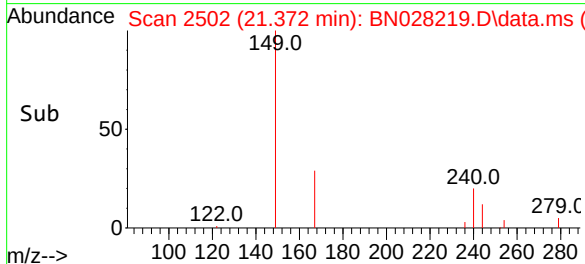
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion:149 Resp: 7160
Ion Ratio Lower Upper
149 100
167 49.2 22.1 33.1#
279 5.7 3.4 5.0#

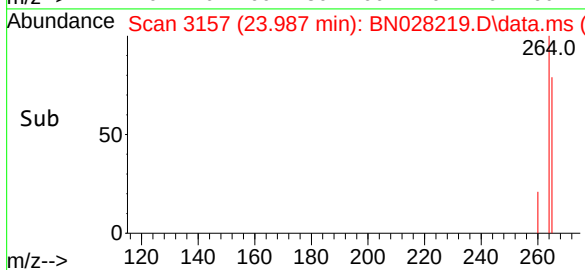
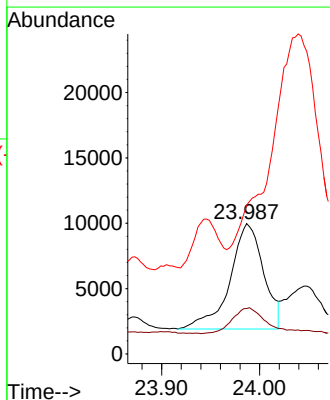
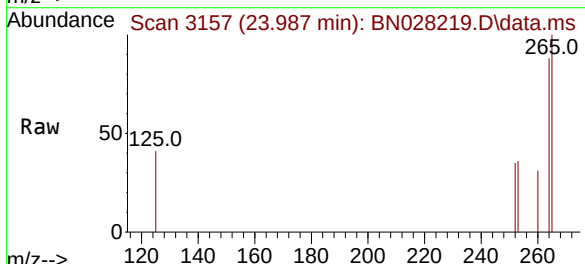
Manual Integrations
APPROVED

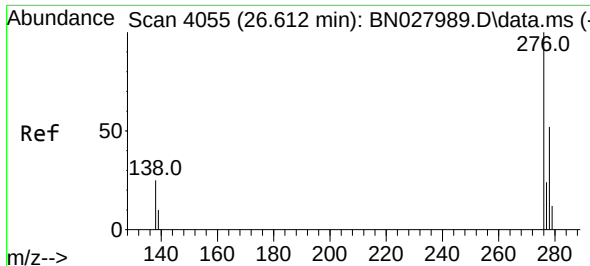
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.987 min Scan# 3157
Delta R.T. 0.012 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

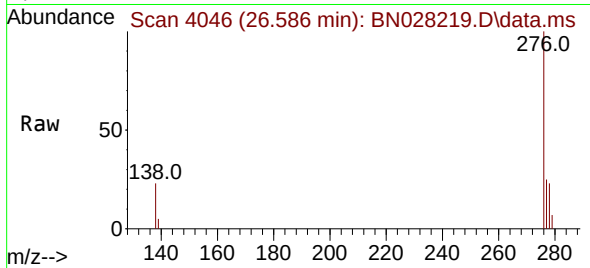
Tgt Ion:264 Resp: 19317
Ion Ratio Lower Upper
264 100
260 34.9 20.2 30.4#
265 114.1 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 10.570 ng
RT: 26.586 min Scan# 4055
Delta R.T. 0.029 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

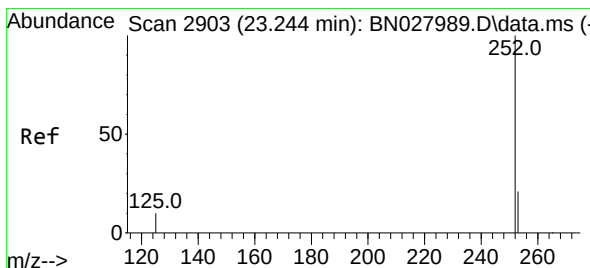
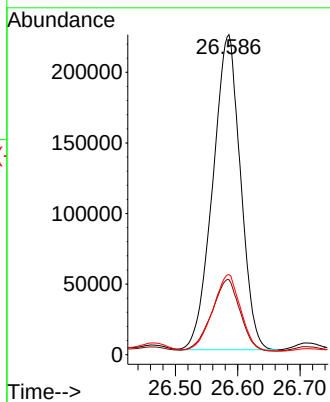
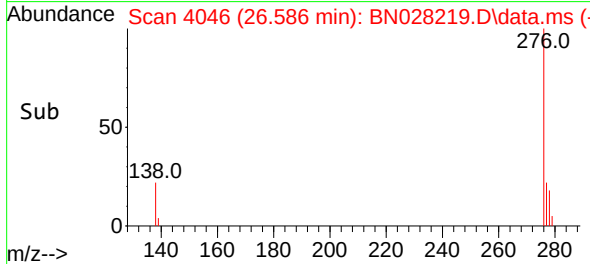
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion:276 Resp: 68680
Ion Ratio Lower Upper
276 100
138 23.3 20.9 31.3
277 24.6 19.8 29.6

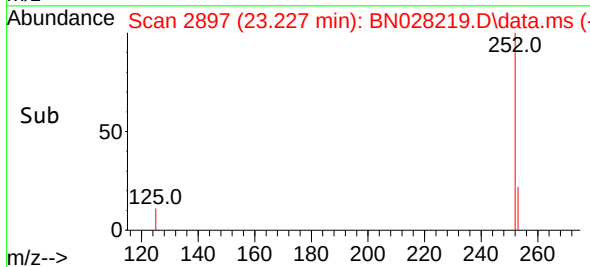
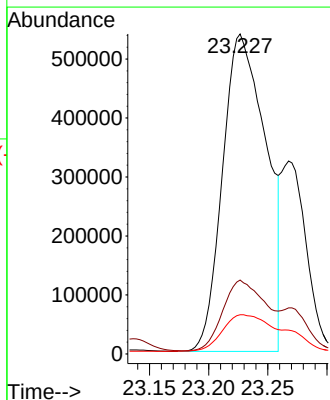
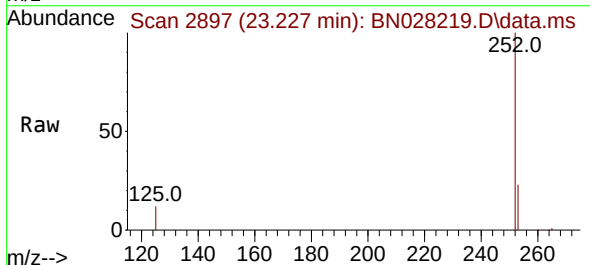
Manual Integrations
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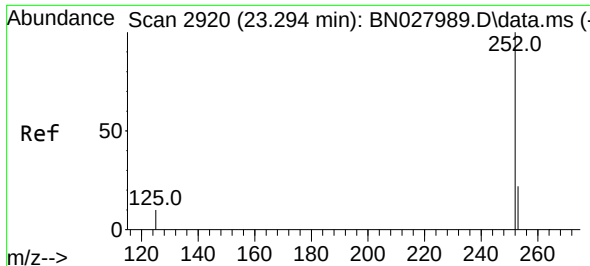
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 22.062 ng
RT: 23.227 min Scan# 2897
Delta R.T. 0.014 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

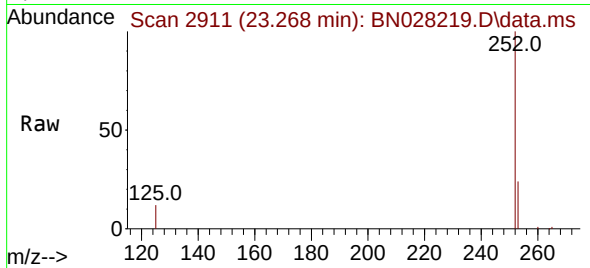
Tgt Ion:252 Resp: 1376392
Ion Ratio Lower Upper
252 100
253 23.1 22.9 34.3
125 12.2 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 7.669 ng m
RT: 23.268 min Scan# 2911
Delta R.T. 0.006 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

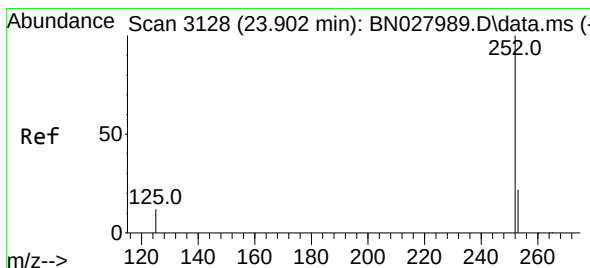
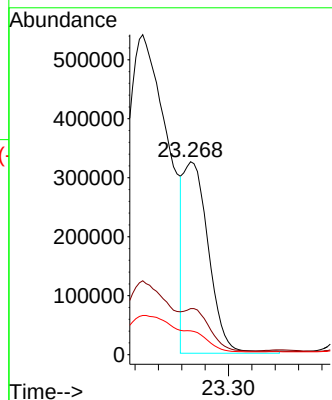
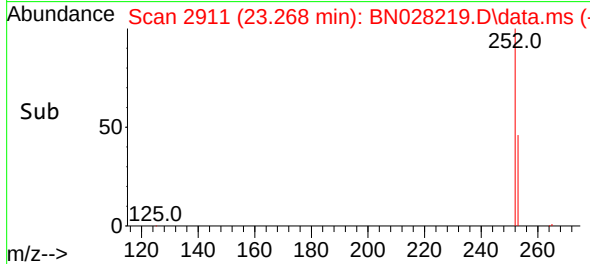
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



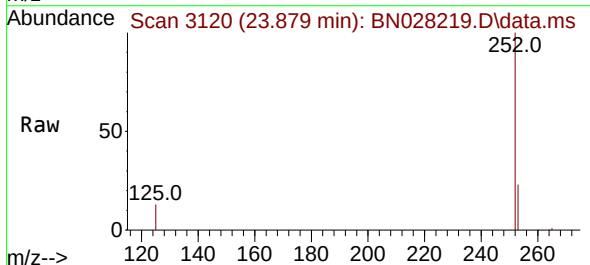
Tgt Ion:252 Resp: 485280
Ion Ratio Lower Upper
252 100
253 23.9 23.1 34.7
125 12.4 13.8 20.8

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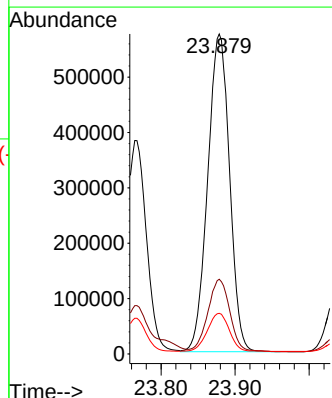
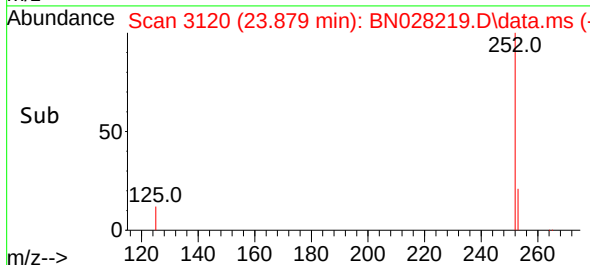
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

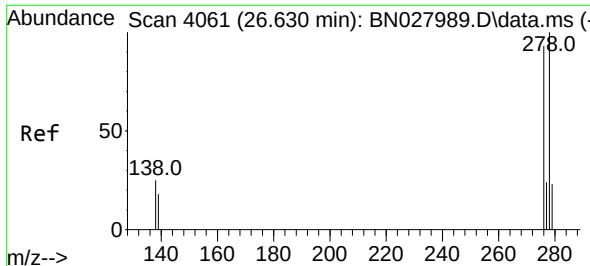


#39
Benzo(a)pyrene
Concen: 19.924 ng m
RT: 23.879 min Scan# 3120
Delta R.T. 0.014 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22



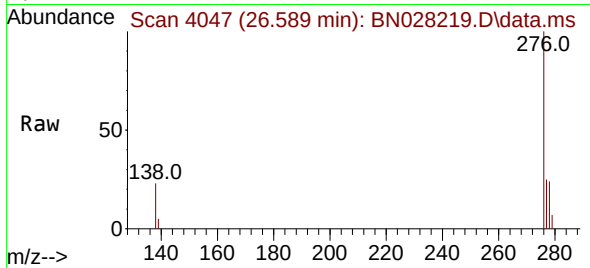
Tgt Ion:252 Resp: 1175369
Ion Ratio Lower Upper
252 100
253 23.4 25.0 37.4#
125 12.7 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 3.953 ng
RT: 26.589 min Scan# 4061
Delta R.T. 0.012 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

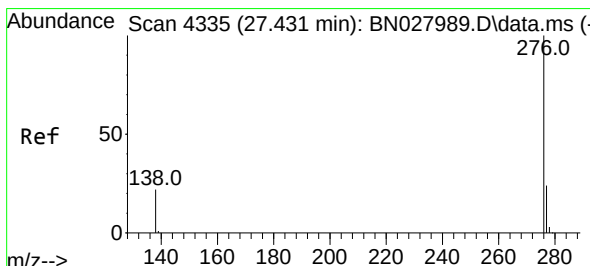
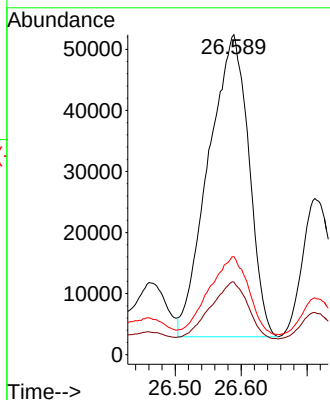
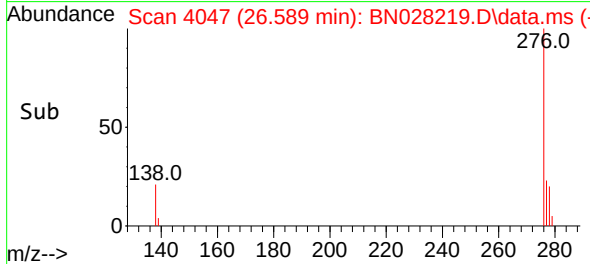
Instrument :
BNA_N
ClientSampleId :
D-1(0-5)



Tgt Ion:278 Resp: 21010
Ion Ratio Lower Upper
278 100
139 22.7 17.7 26.5
279 30.7 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: 12.787 ng
RT: 27.399 min Scan# 4324
Delta R.T. 0.032 min
Lab File: BN028219.D
Acq: 11 Oct 2023 05:22

Tgt Ion:276 Resp: 697622
Ion Ratio Lower Upper
276 100
277 25.0 22.1 33.1
138 24.0 20.8 31.2

