

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028198.D
 Acq On : 10 Oct 2023 15:37
 Operator : MA/JU
 Sample : 04657-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 V-2(0-2IN)

Quant Time: Oct 10 17:07:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	4311	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	13263	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	7608	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	14749	0.400	ng	0.00
29) Chrysene-d12	21.524	240	13436m	0.400	ng	0.00
35) Perylene-d12	23.993	264	15494	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	4573	0.356	ng	0.00
5) Phenol-d6	7.084	99	5725	0.353	ng	0.00
8) Nitrobenzene-d5	9.123	82	4642	0.411	ng	0.00
11) 2-Methylnaphthalene-d10	12.317	152	6571	0.334	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1155	0.331	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	9208	0.336	ng	0.00
27) Fluoranthene-d10	19.356	212	11113	0.300	ng	0.00
31) Terphenyl-d14	19.937	244	14815	0.473	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	176421	5.148	ng	98
12) 2-Methylnaphthalene	12.389	142	52950	2.209	ng	98
16) Acenaphthylene	14.288	152	467014	13.857	ng	100
17) Acenaphthene	14.619	154	344332	16.027	ng	99
18) Fluorene	15.606	166	417066	14.947	ng	96
25) Phenanthrene	17.368	178	7300961	183.612	ng	99
26) Anthracene	17.455	178	1780593	47.376	ng	# 93
28) Fluoranthene	19.398	202	12461428	271.553	ng	96
30) Pyrene	19.765	202	11538358	234.193	ng	98
32) Benzo(a)anthracene	21.507	228	6244414	136.579	ng	97
33) Chrysene	21.560	228	5368576	121.845	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	35563	1.183	ng	98
36) Indeno(1,2,3-cd)pyrene	26.610	276	4550646	87.317	ng	97
37) Benzo(b)fluoranthene	23.244	252	7918984	158.252	ng	# 90
38) Benzo(k)fluoranthene	23.282	252	3288394m	64.790	ng	
39) Benzo(a)pyrene	23.896	252	6166242m	130.319	ng	
40) Dibenzo(a,h)anthracene	26.610	278	1086192	25.477	ng	94
41) Benzo(g,h,i)perylene	27.428	276	4493382	102.680	ng	96

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

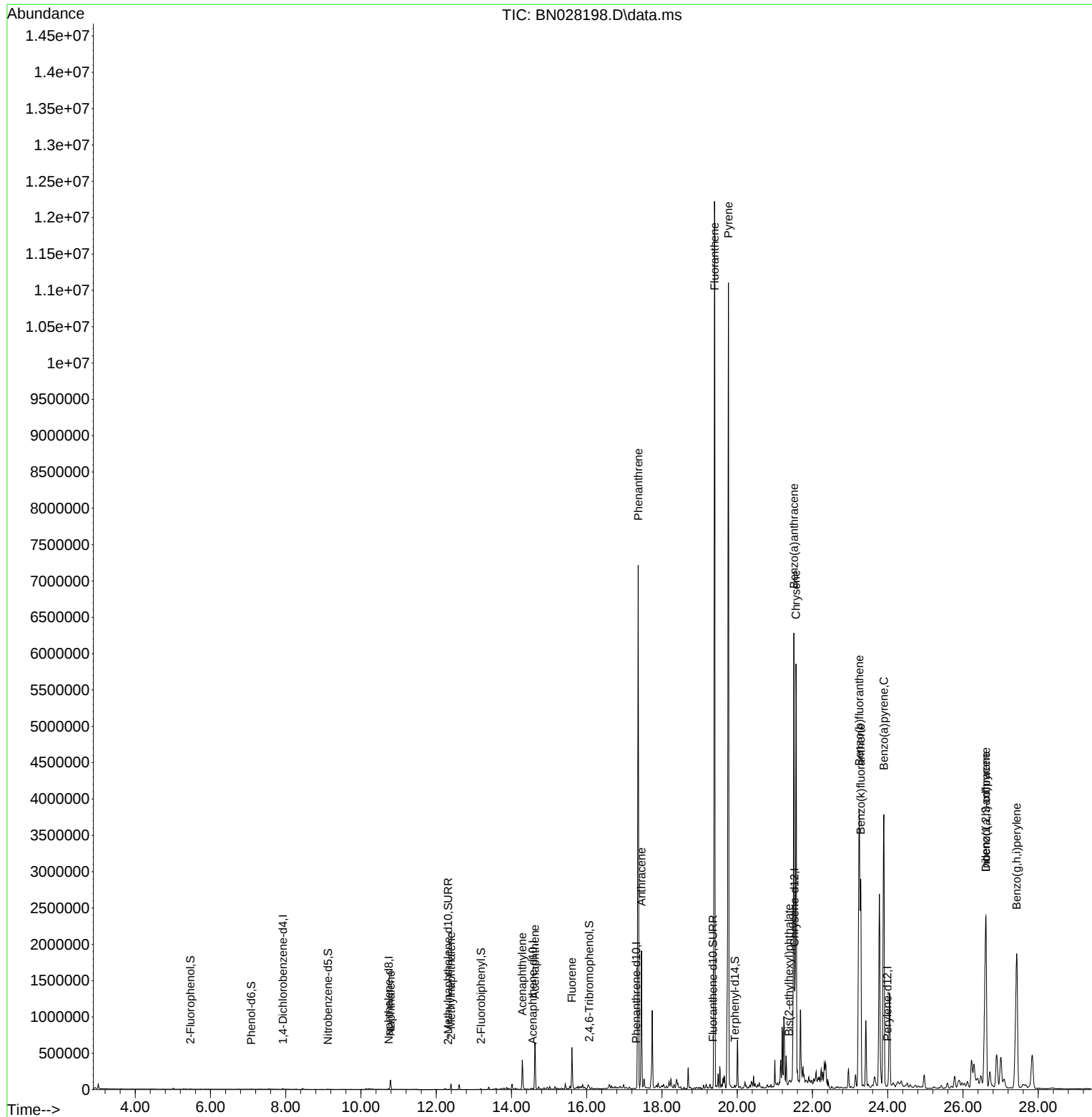
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
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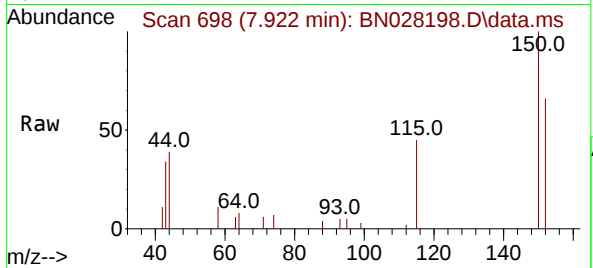
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 698
Delta R.T. -0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

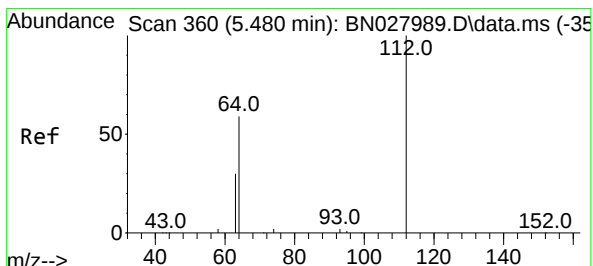
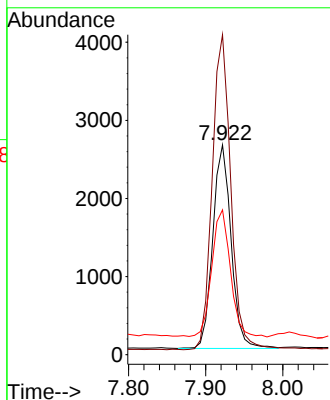
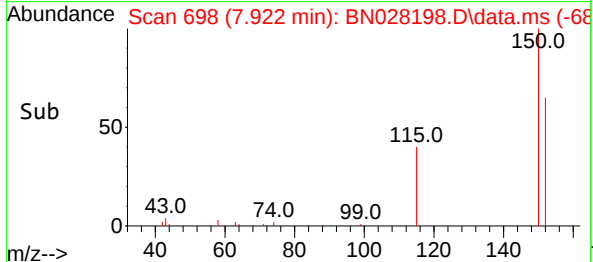
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:152 Resp: 431
Ion Ratio Lower Upper
152 100
150 152.5 125.6 188.4
115 69.0 54.8 82.2

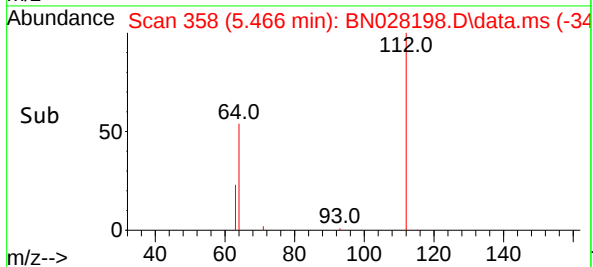
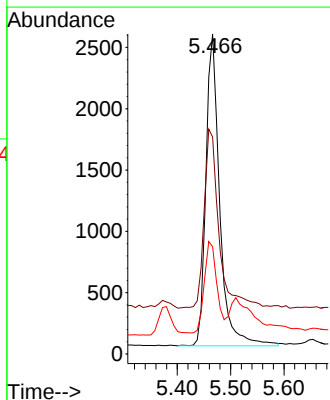
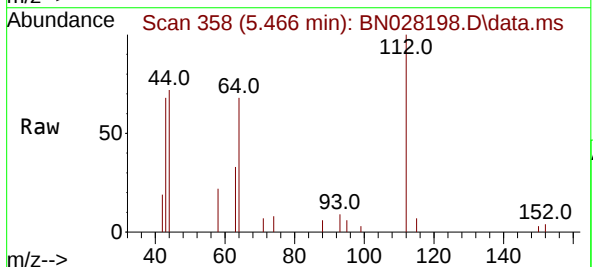
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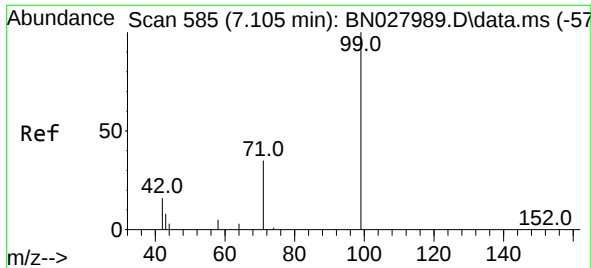
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.356 ng
RT: 5.466 min Scan# 358
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

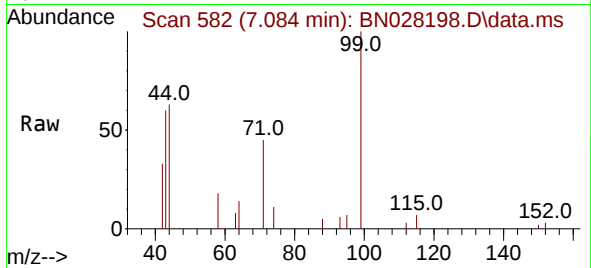
Tgt Ion:112 Resp: 4573
Ion Ratio Lower Upper
112 100
64 61.1 45.0 67.6
63 26.7 23.4 35.0





#5
Phenol-d6
Concen: 0.353 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

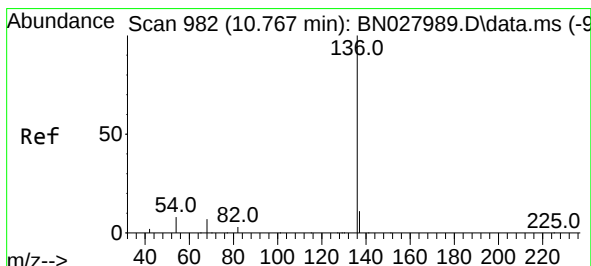
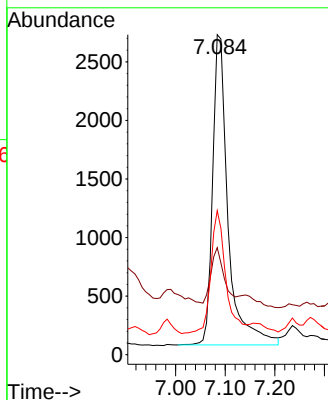
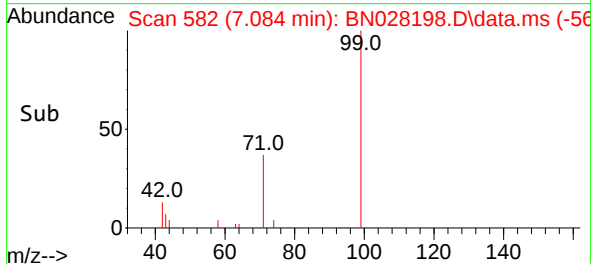
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion: 99 Resp: 572
Ion Ratio Lower Upper
99 100
42 14.7 14.6 22.0
71 37.5 28.3 42.5

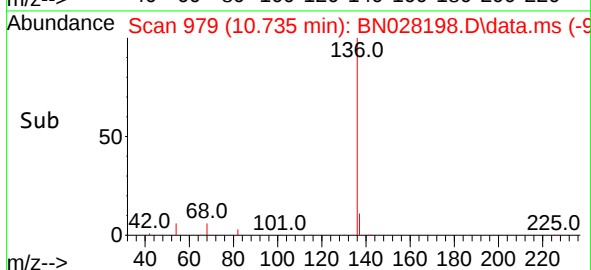
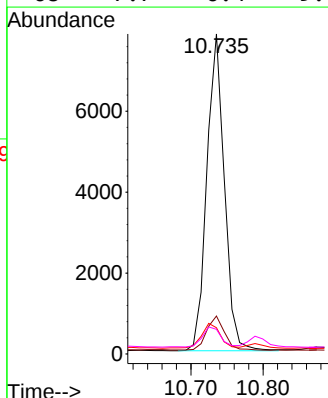
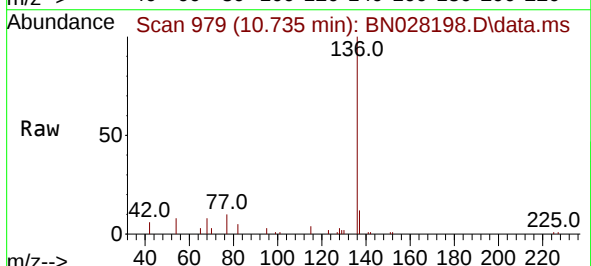
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

Tgt Ion:136 Resp: 13263
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 8.2 7.0 10.6
68 7.7 6.4 9.6





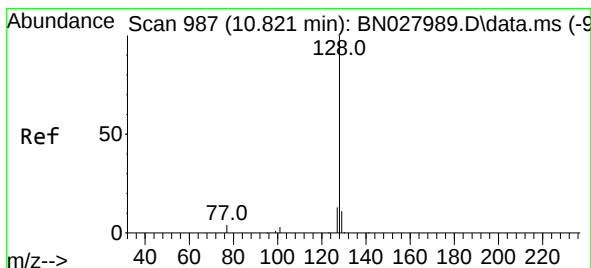
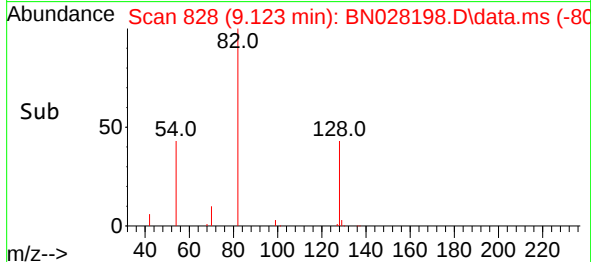
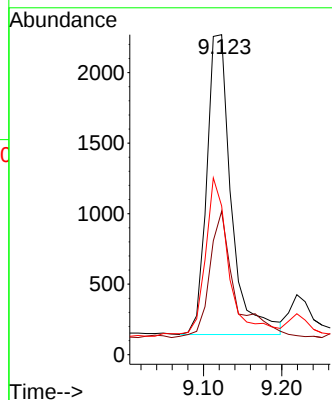
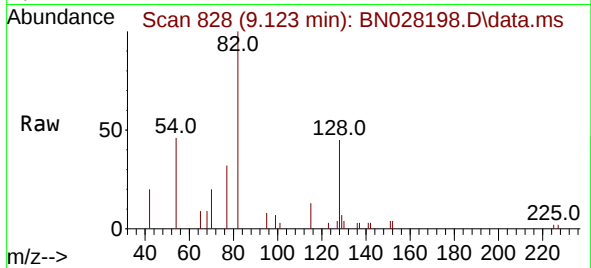
#8
Nitrobenzene-d5
Concen: 0.411 ng
RT: 9.123 min Scan# 81
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)

Tgt Ion: 82 Resp: 464
Ion Ratio Lower Upper
82 100
128 44.8 32.7 49.1
54 46.5 38.7 58.1

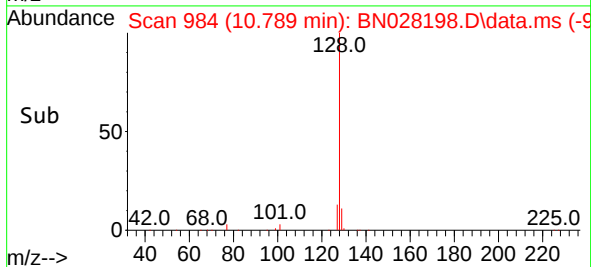
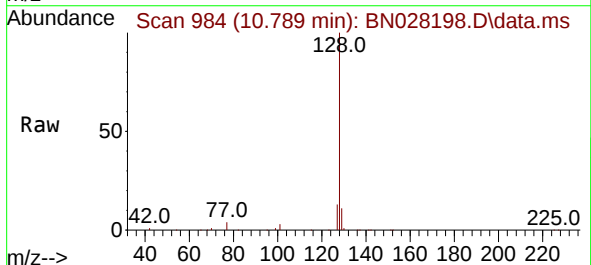
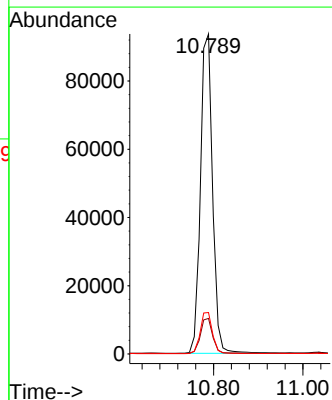
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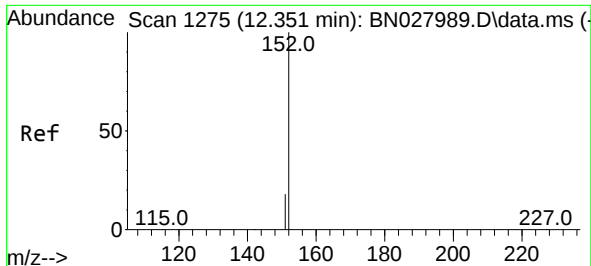
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 5.148 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

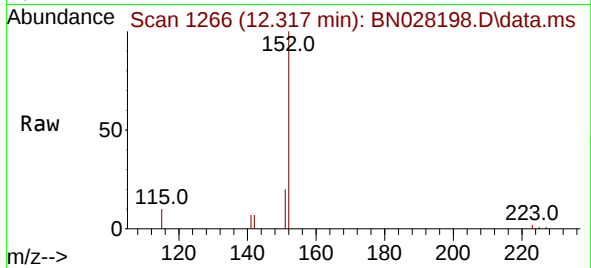
Tgt Ion:128 Resp: 176421
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.334 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

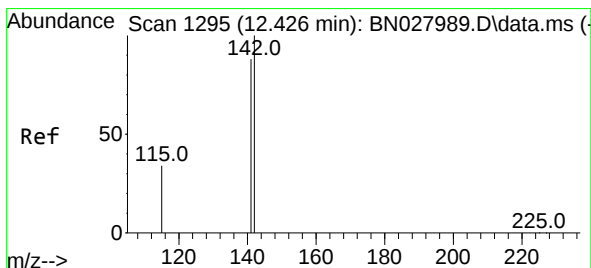
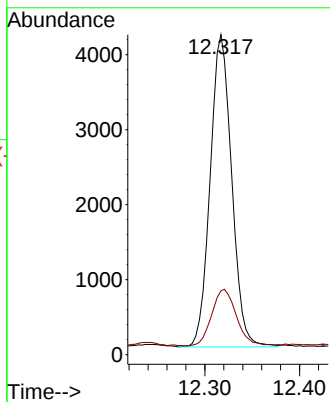
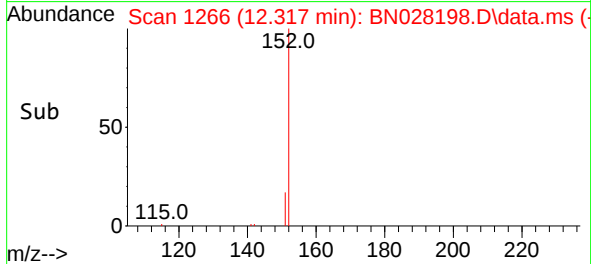
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



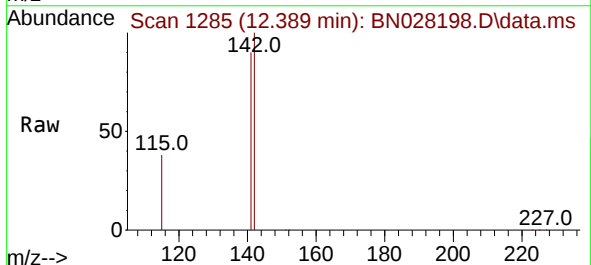
Tgt Ion:152 Resp: 657
Ion Ratio Lower Upper
152 100
151 20.6 16.5 24.7

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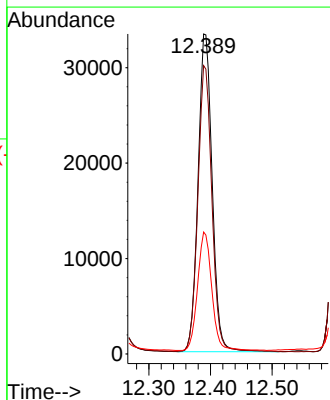
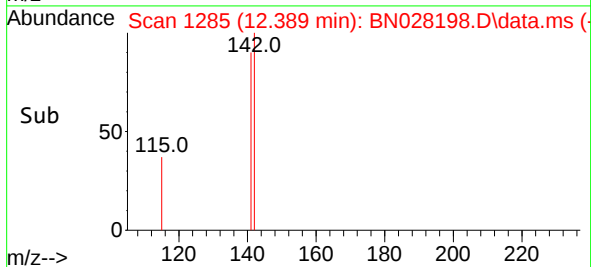
Reviewed By :Yogesh Patel 10/11/2023
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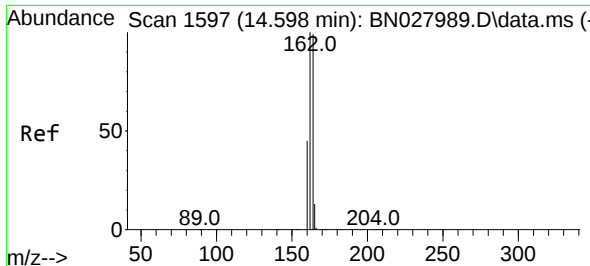


#12
2-Methylnaphthalene
Concen: 2.209 ng
RT: 12.389 min Scan# 1285
Delta R.T. -0.011 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37



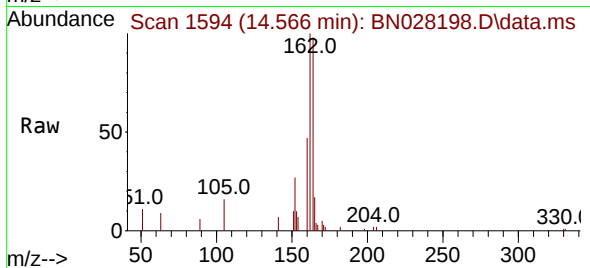
Tgt Ion:142 Resp: 52950
Ion Ratio Lower Upper
142 100
141 90.1 70.7 106.1
115 38.1 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

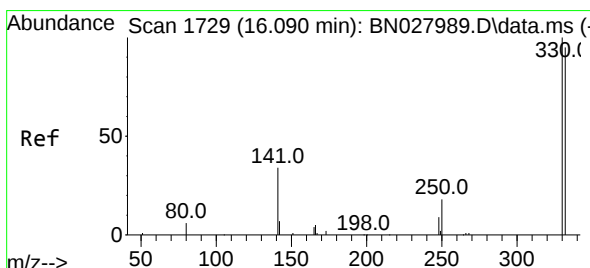
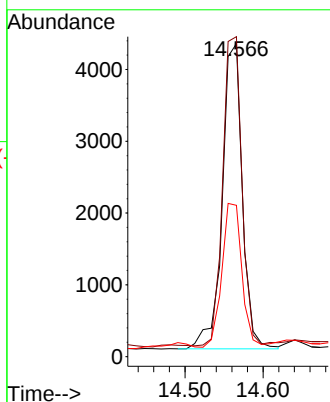
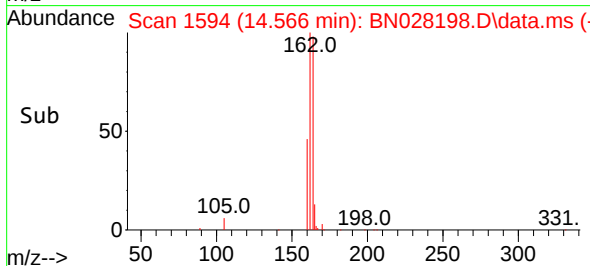
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:164 Resp: 7608
Ion Ratio Lower Upper
164 100
162 102.2 80.8 121.2
160 48.4 36.4 54.6

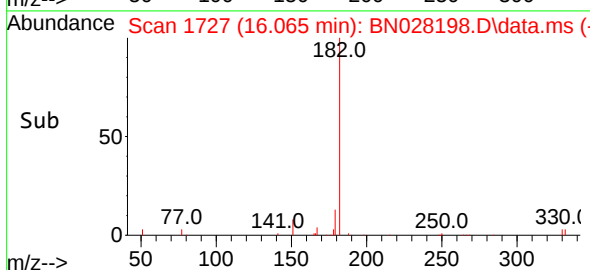
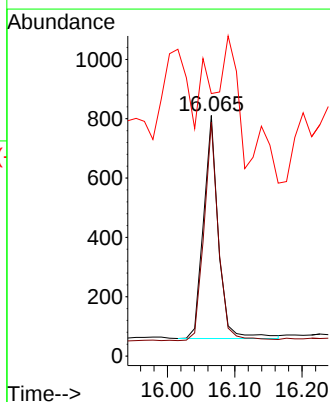
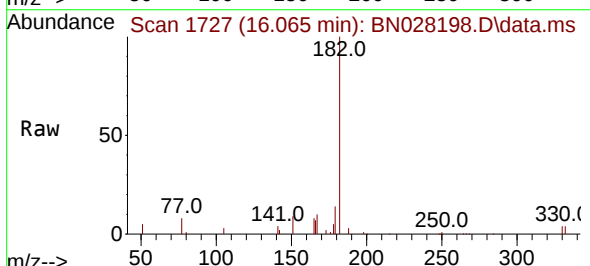
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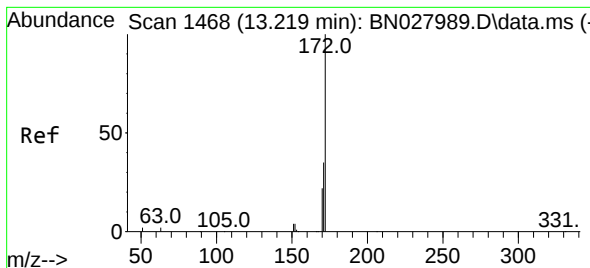
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

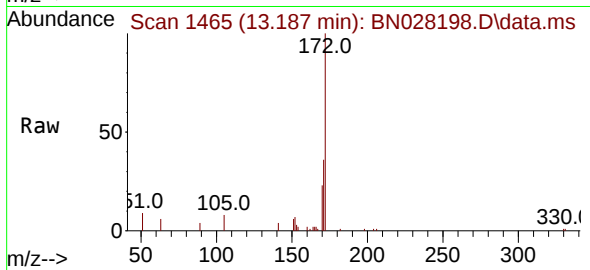
Tgt Ion:330 Resp: 1155
Ion Ratio Lower Upper
330 100
332 95.0 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

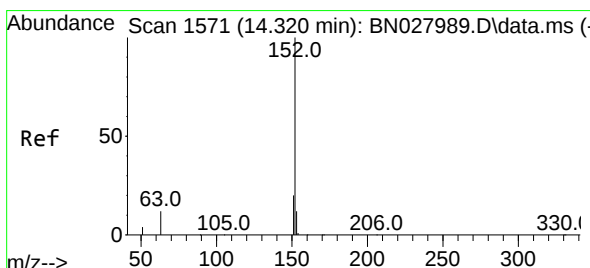
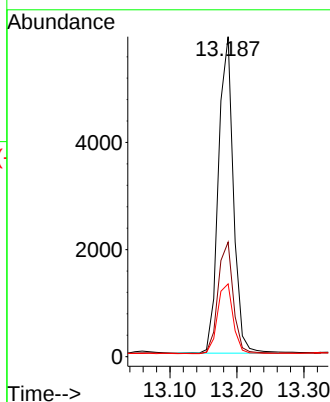
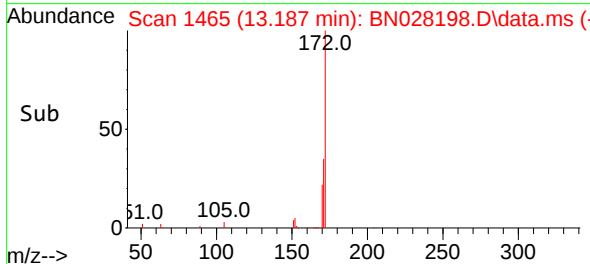
Instrument :
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V-2(0-2IN)



Tgt Ion:172 Resp: 9208
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 22.8 18.4 27.6

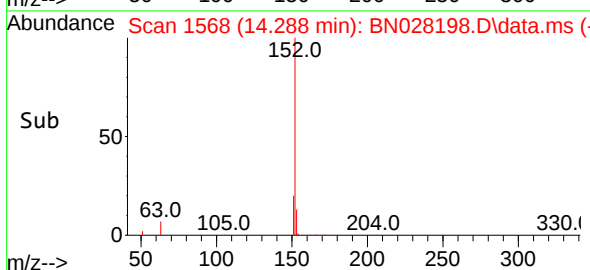
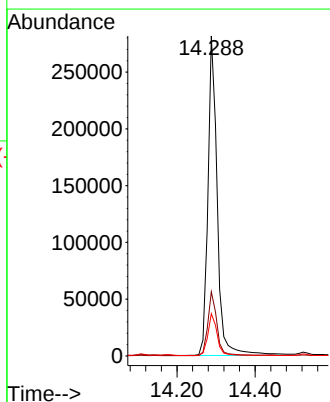
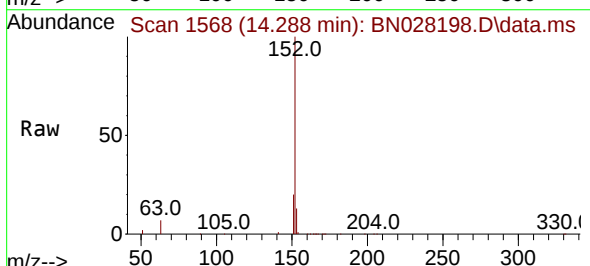
Manual Integrations
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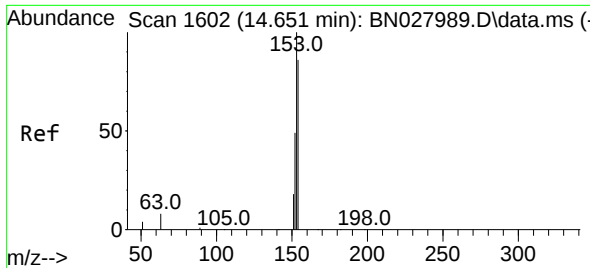
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 13.857 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

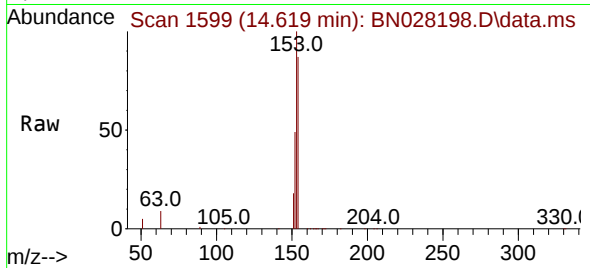
Tgt Ion:152 Resp: 467014
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.2 15.4





#17
Acenaphthene
Concen: 16.027 ng
RT: 14.619 min Scan# 1599
Delta R.T. -0.011 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

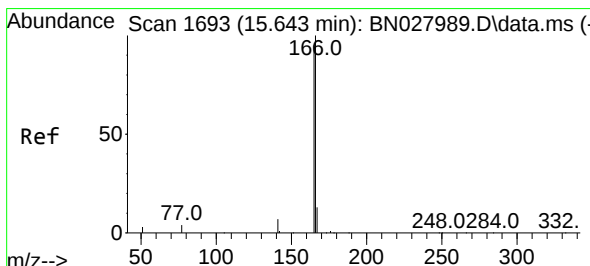
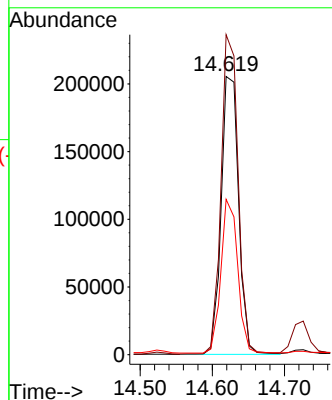
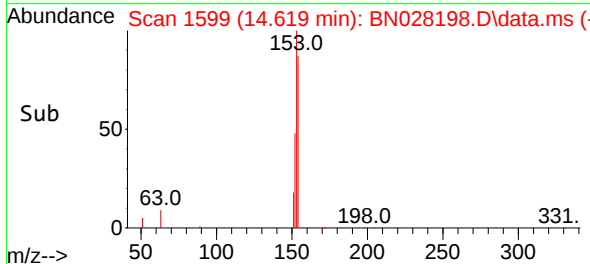
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:154 Resp: 344332
Ion Ratio Lower Upper
154 100
153 112.6 90.8 136.2
152 53.2 43.9 65.9

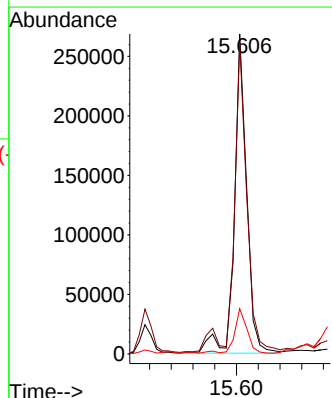
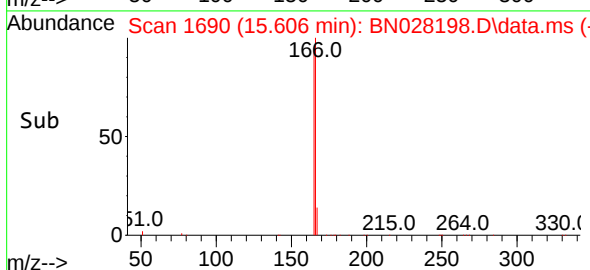
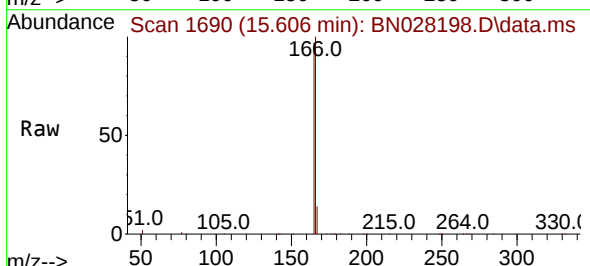
Manual Integrations
APPROVED

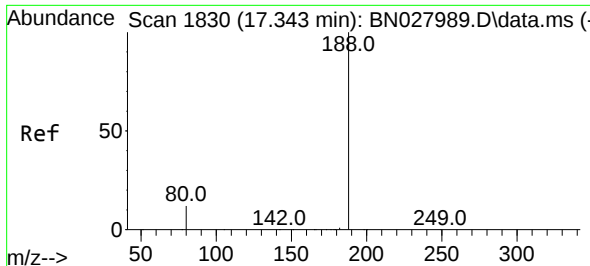
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 14.947 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

Tgt Ion:166 Resp: 417066
Ion Ratio Lower Upper
166 100
165 101.8 77.8 116.8
167 14.3 10.7 16.1





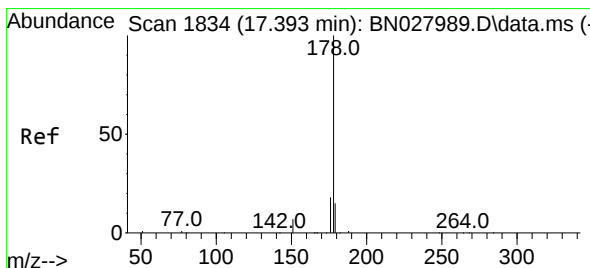
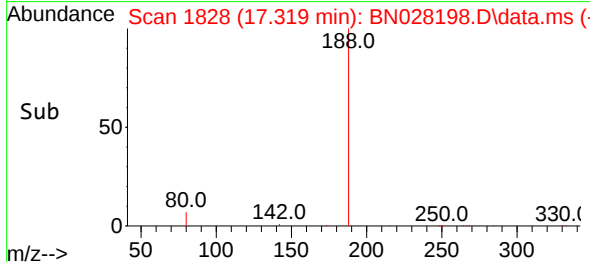
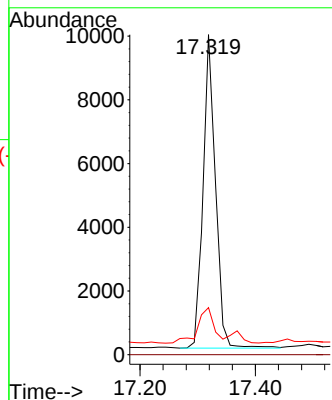
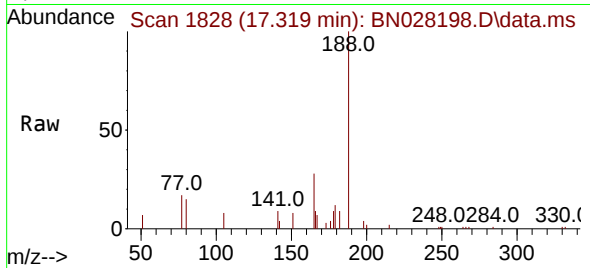
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)

Tgt Ion:188 Resp: 14749
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.7 10.2 15.4

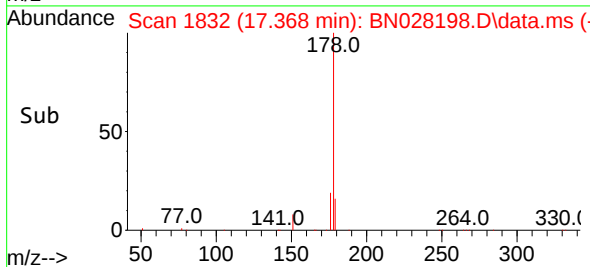
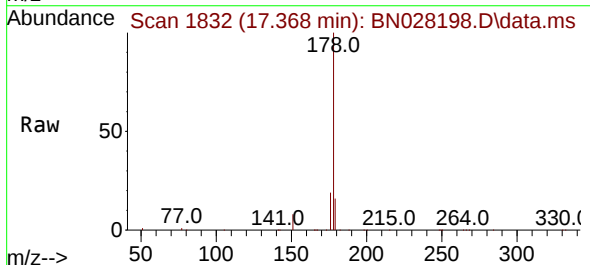
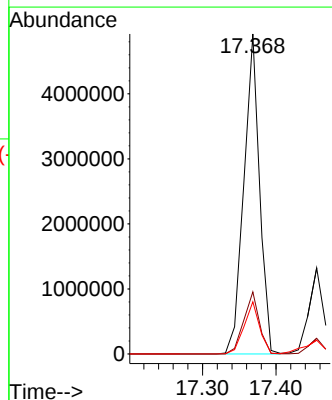
Manual Integrations
APPROVED

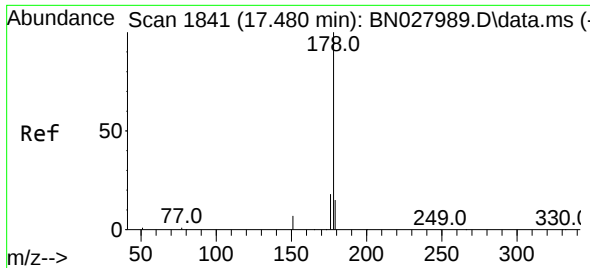
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 183.612 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

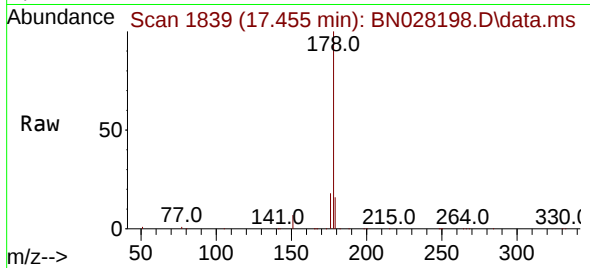
Tgt Ion:178 Resp: 7300961
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 16.2 12.4 18.6





#26
 Anthracene
 Concen: 47.376 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028198.D
 Acq: 10 Oct 2023 15:37

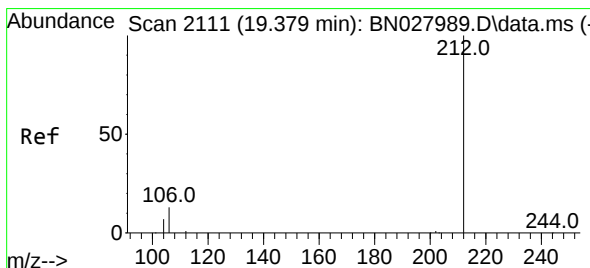
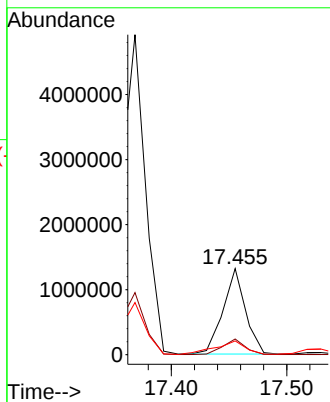
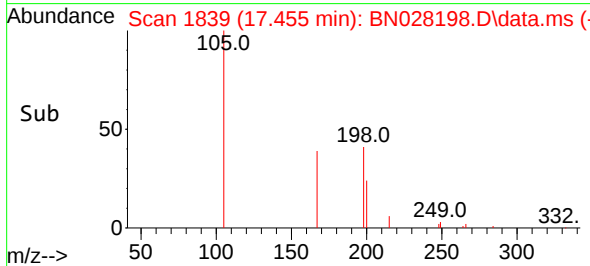
Instrument :
 BNA_N
 ClientSampleId :
 V-2(0-2IN)



Tgt Ion:178 Resp: 178059
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.7 22.1
 179 21.0 12.2 18.2

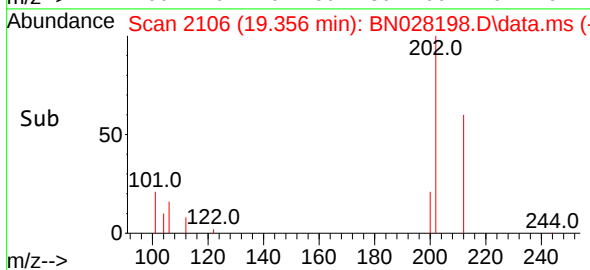
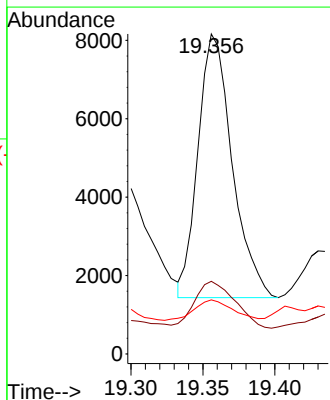
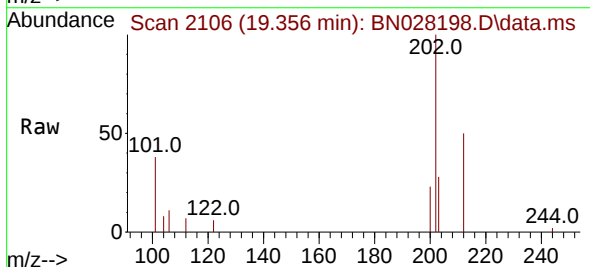
Manual Integrations
 APPROVED

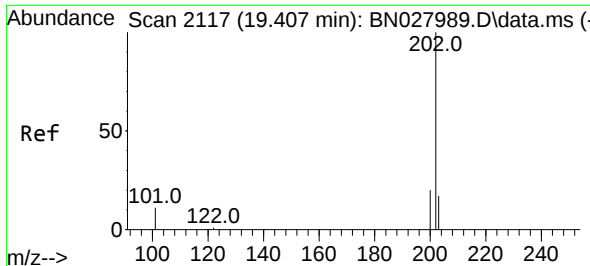
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.300 ng
 RT: 19.356 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: BN028198.D
 Acq: 10 Oct 2023 15:37

Tgt Ion:212 Resp: 11113
 Ion Ratio Lower Upper
 212 100
 106 20.9 11.3 16.9#
 104 8.7 6.4 9.6





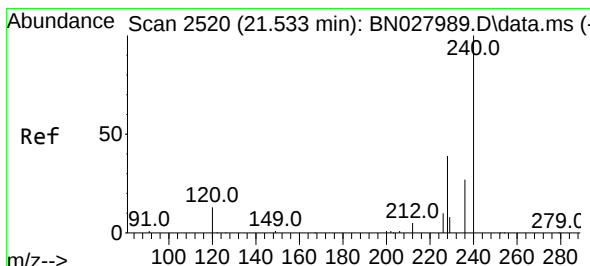
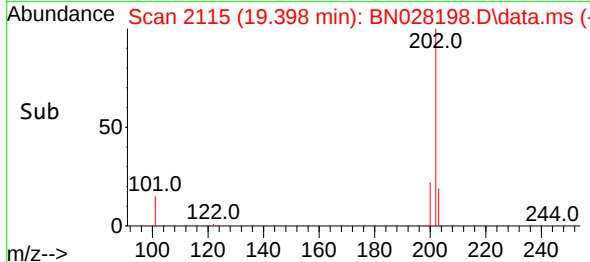
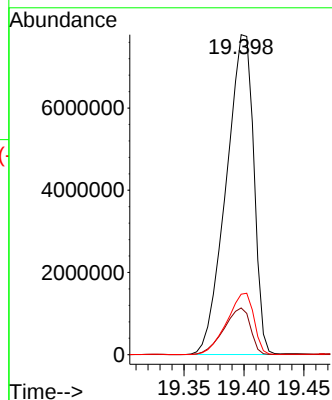
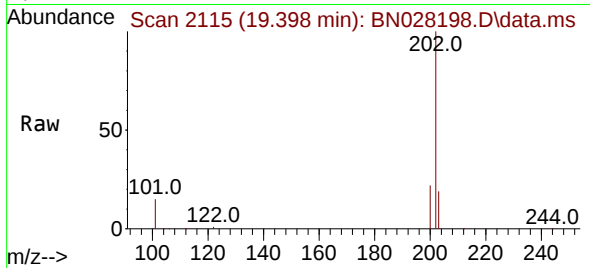
#28
Fluoranthene
Concen: 271.553 ng
RT: 19.398 min Scan# 2115
Delta R.T. 0.014 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)

Tgt Ion:202 Resp:12461428
Ion Ratio Lower Upper
202 100
101 14.1 9.8 14.6
203 18.8 13.8 20.8

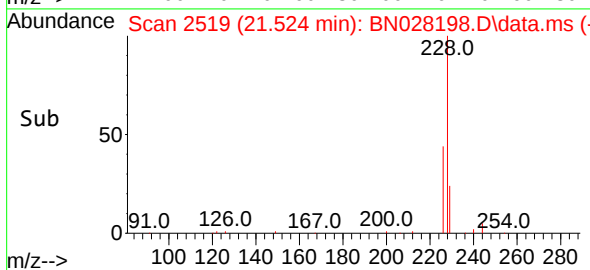
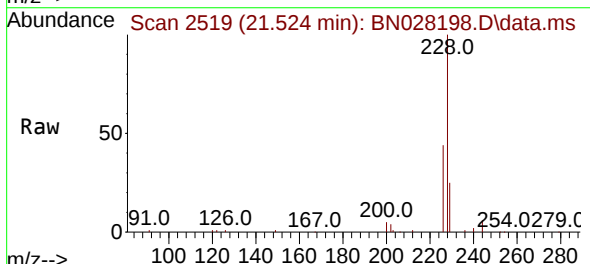
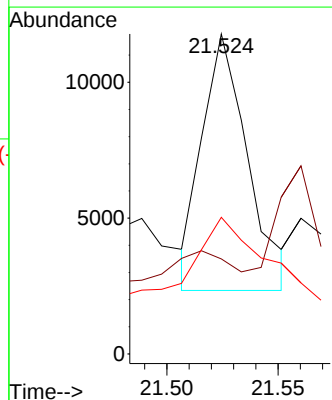
Manual Integrations
APPROVED

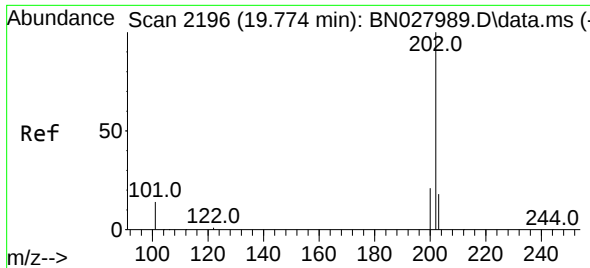
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.524 min Scan# 2519
Delta R.T. 0.009 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

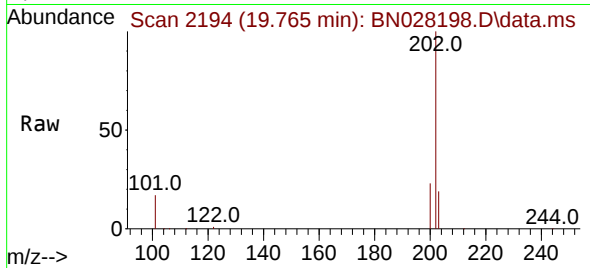
Tgt Ion:240 Resp: 13436
Ion Ratio Lower Upper
240 100
120 29.7 13.8 20.6#
236 42.7 22.6 33.8#





#30
Pyrene
Concen: 234.193 ng
RT: 19.765 min Scan# 2196
Delta R.T. 0.014 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

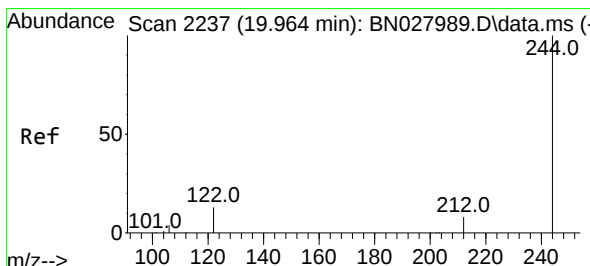
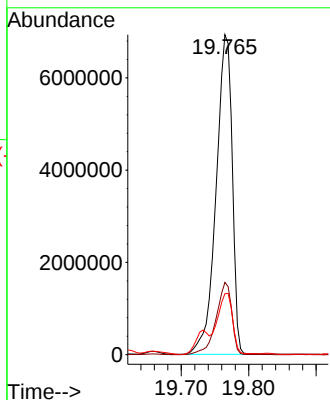
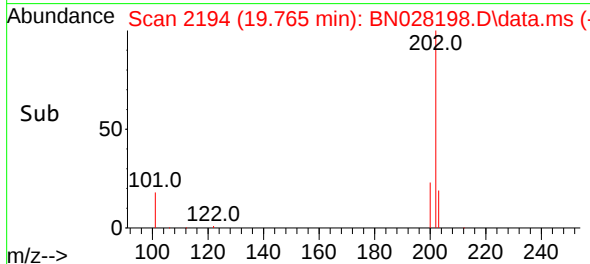
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:202 Resp:1153835
Ion Ratio Lower Upper
202 100
200 21.8 16.5 24.7
203 17.6 14.7 22.1

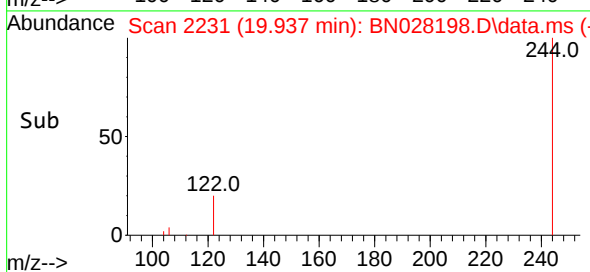
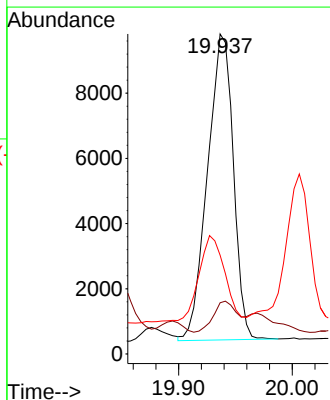
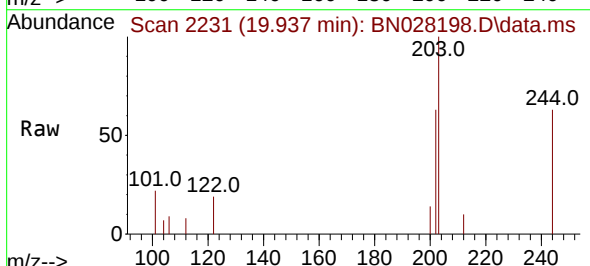
Manual Integrations
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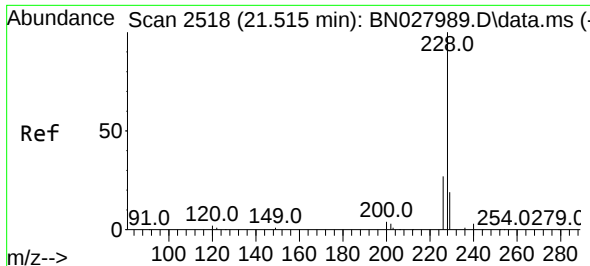
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.473 ng
RT: 19.937 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

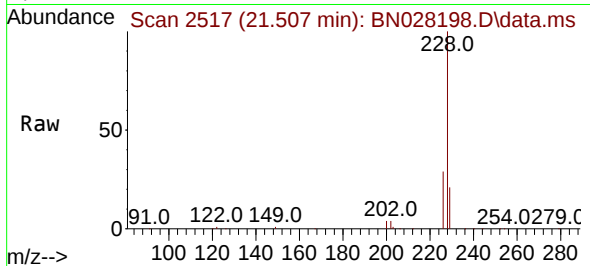
Tgt Ion:244 Resp: 14815
Ion Ratio Lower Upper
244 100
212 16.0 6.6 9.8#
122 30.9 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 136.579 ng
RT: 21.507 min Scan# 21507
Delta R.T. 0.009 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

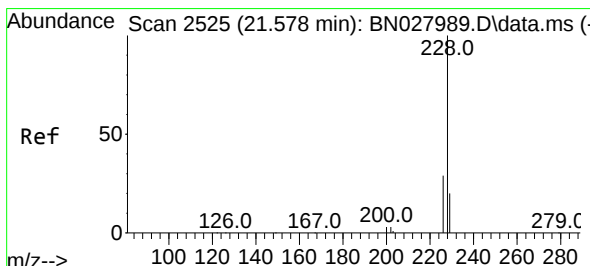
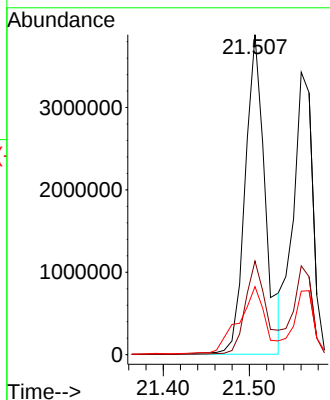
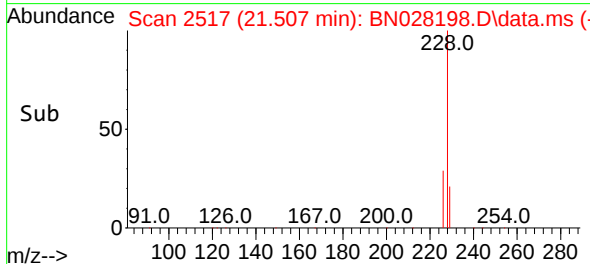
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



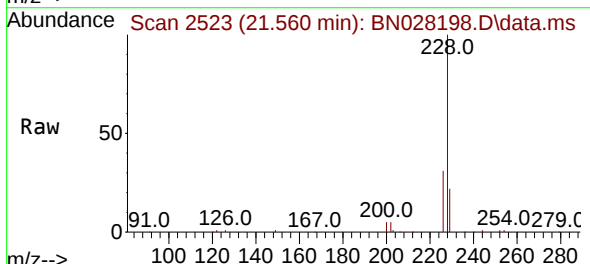
Tgt Ion:228 Resp: 6244414
Ion Ratio Lower Upper
228 100
226 29.3 22.0 33.0
229 21.2 16.0 24.0

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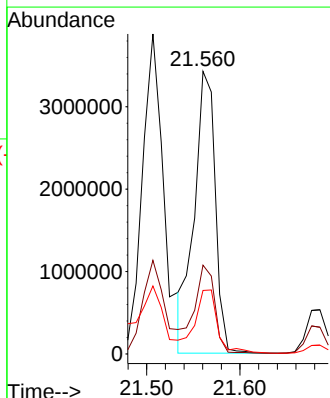
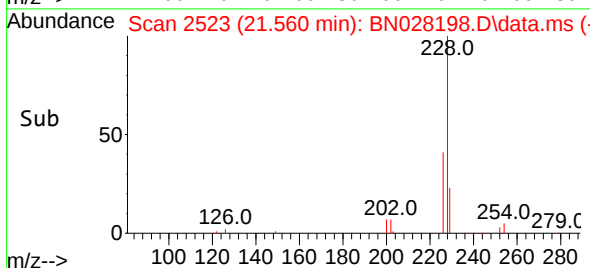
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

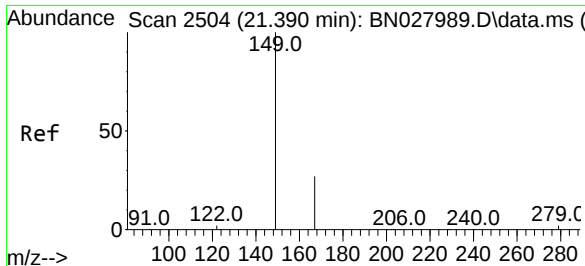


#33
Chrysene
Concen: 121.845 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37



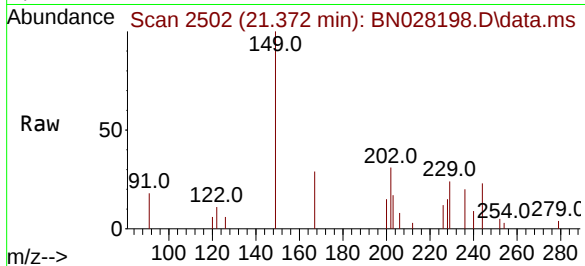
Tgt Ion:228 Resp: 5368576
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.8
229 22.5 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.183 ng
RT: 21.372 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

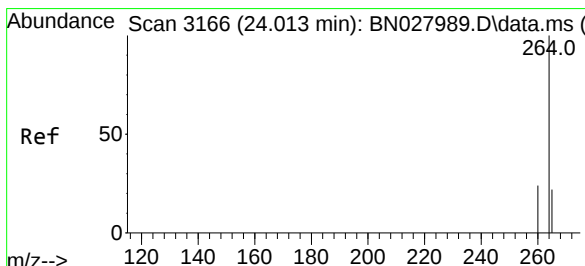
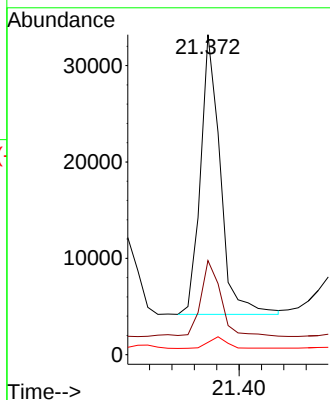
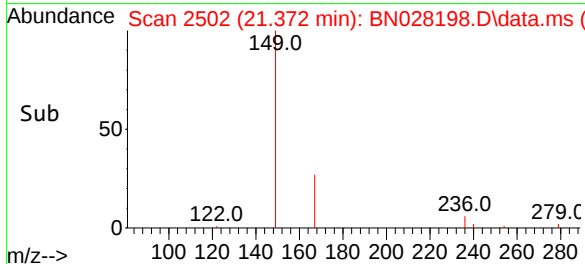
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



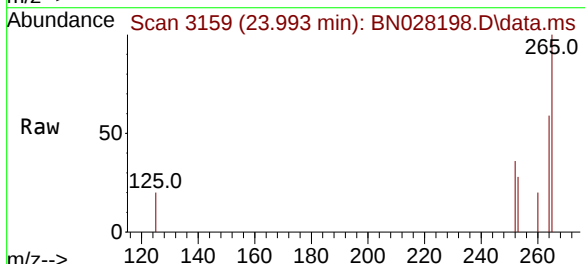
Tgt Ion:149 Resp: 3556
Ion Ratio Lower Upper
149 100
167 28.5 22.1 33.1
279 3.9 3.4 5.0

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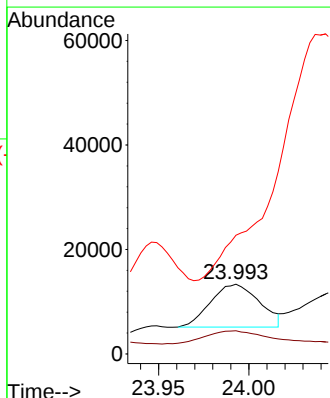
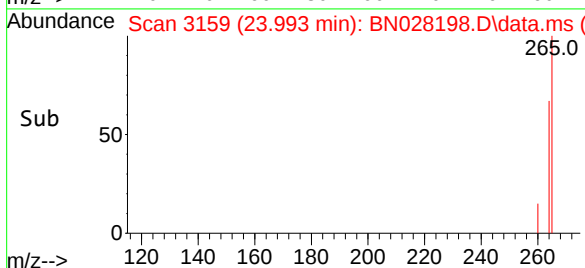
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

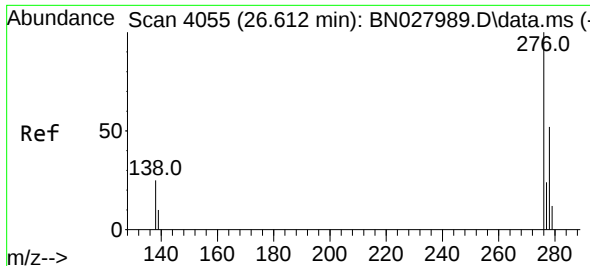


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.993 min Scan# 3159
Delta R.T. 0.018 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37



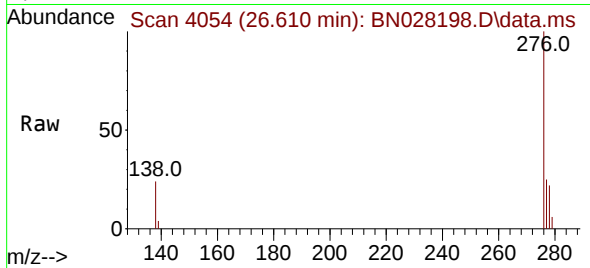
Tgt Ion:264 Resp: 15494
Ion Ratio Lower Upper
264 100
260 33.3 20.2 30.4#
265 170.2 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 87.317 ng
RT: 26.610 min Scan# 4055
Delta R.T. 0.053 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

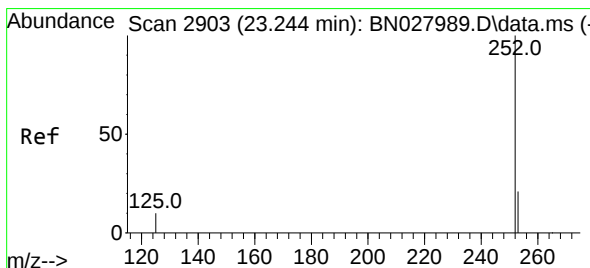
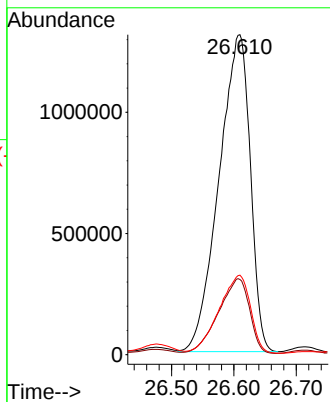
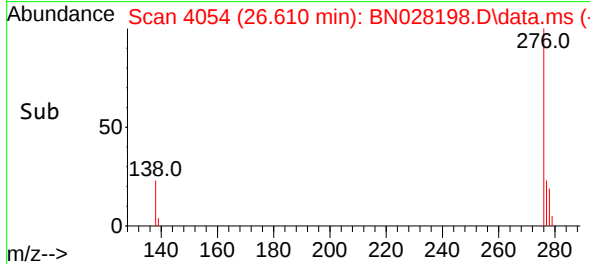
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:276 Resp: 4550640
Ion Ratio Lower Upper
276 100
138 23.4 20.9 31.3
277 24.9 19.8 29.6

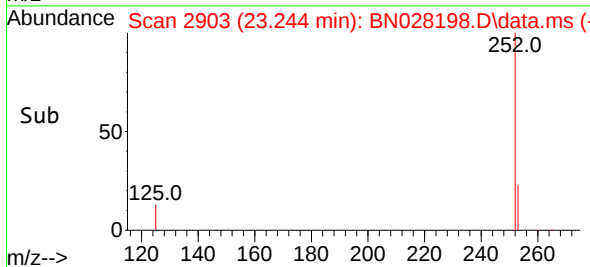
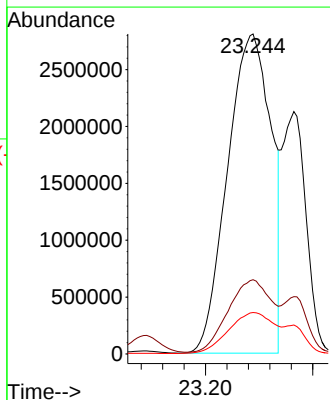
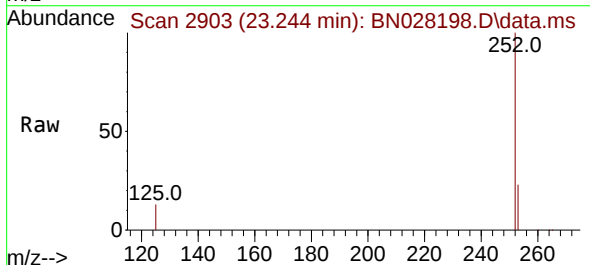
Manual Integrations
APPROVED

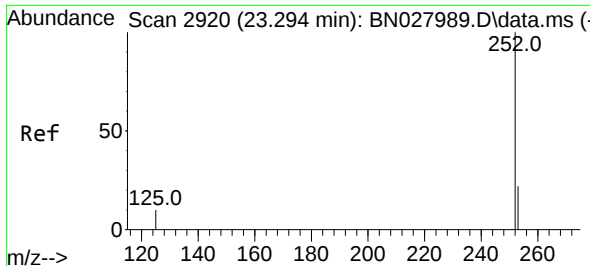
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 158.252 ng
RT: 23.244 min Scan# 2903
Delta R.T. 0.032 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

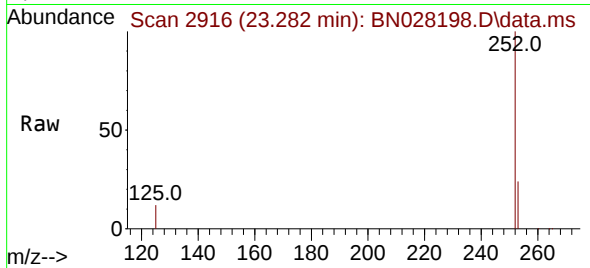
Tgt Ion:252 Resp: 7918984
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 12.9 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 64.790 ng m
RT: 23.282 min Scan# 2916
Delta R.T. 0.021 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

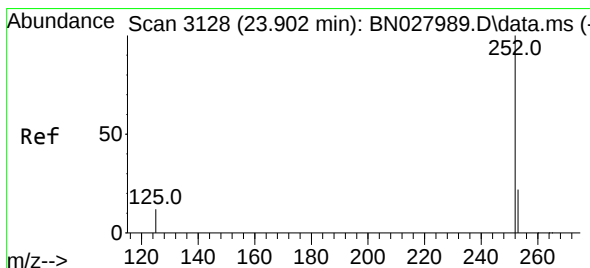
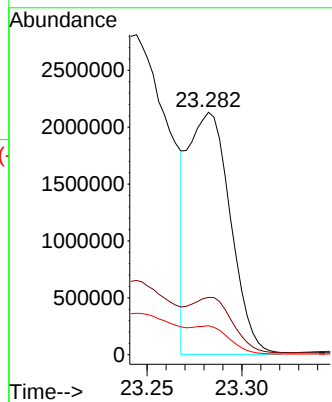
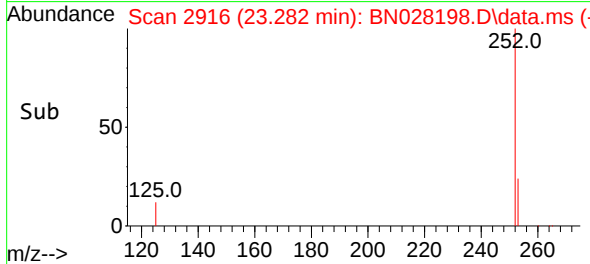
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:252 Resp: 3288394
Ion Ratio Lower Upper
252 100
253 23.6 23.1 34.7
125 12.0 13.8 20.8

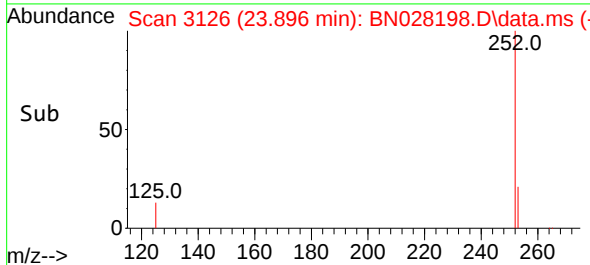
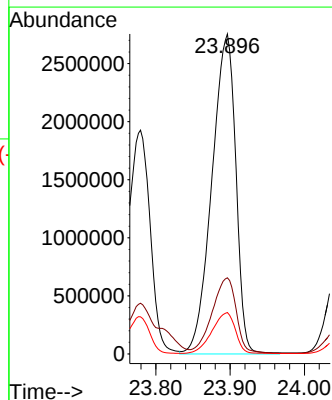
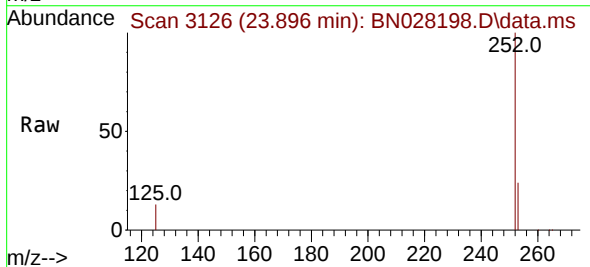
Manual Integrations
APPROVED

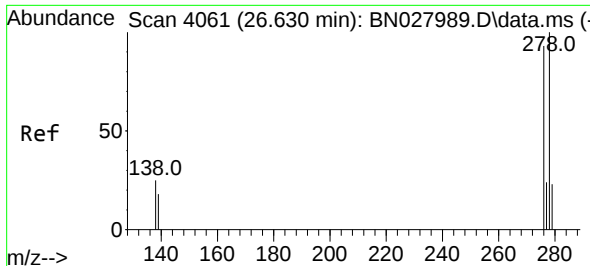
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 130.319 ng m
RT: 23.896 min Scan# 3126
Delta R.T. 0.032 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

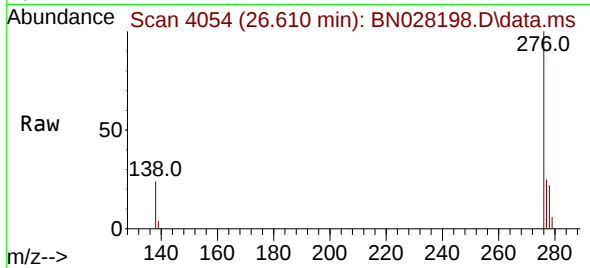
Tgt Ion:252 Resp: 6166242
Ion Ratio Lower Upper
252 100
253 23.8 25.0 37.4#
125 13.0 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 25.477 ng
RT: 26.610 min Scan# 4061
Delta R.T. 0.032 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

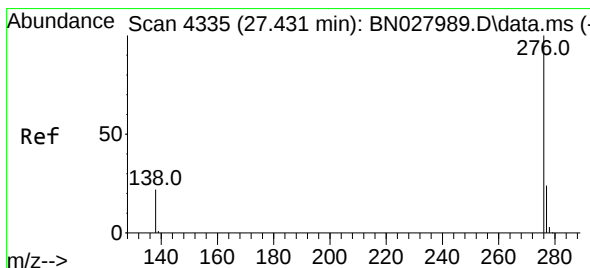
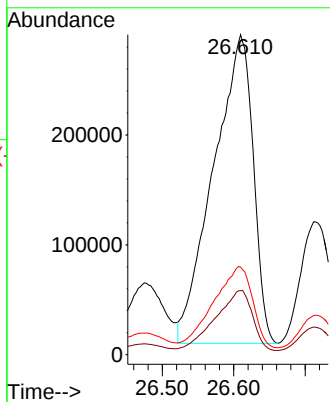
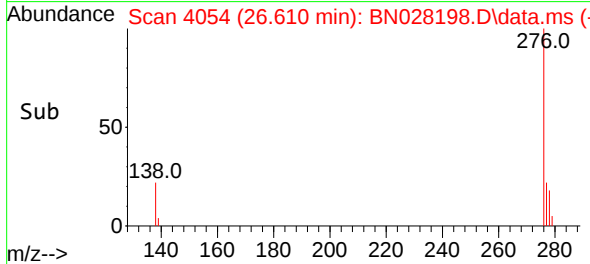
Instrument :
BNA_N
ClientSampleId :
V-2(0-2IN)



Tgt Ion:278 Resp: 1086192
Ion Ratio Lower Upper
278 100
139 20.0 17.7 26.5
279 27.4 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: 102.680 ng
RT: 27.428 min Scan# 4334
Delta R.T. 0.061 min
Lab File: BN028198.D
Acq: 10 Oct 2023 15:37

Tgt Ion:276 Resp: 4493382
Ion Ratio Lower Upper
276 100
277 24.9 22.1 33.1
138 24.5 20.8 31.2

