

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028205.D
 Acq On : 10 Oct 2023 19:52
 Operator : MA/JU
 Sample : 04704-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 02:33:54 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	3993	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	12518	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	9569	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	13392	0.400	ng	# 0.00
29) Chrysene-d12	21.524	240	9009m	0.400	ng	0.00
35) Perylene-d12	23.990	264	17326m	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2767	0.232	ng	0.00
5) Phenol-d6	7.084	99	3301	0.220	ng	0.00
8) Nitrobenzene-d5	9.112	82	3111	0.292	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	4316	0.233	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	690	0.157	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	6205	0.180	ng	0.00
27) Fluoranthene-d10	19.360	212	7565	0.225	ng	0.00
31) Terphenyl-d14	19.941	244	10022	0.477	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.789	128	2161818	66.838	ng	98
12) 2-Methylnaphthalene	12.392	142	556771	24.608	ng	99
16) Acenaphthylene	14.298	152	1627641	38.397	ng	99
17) Acenaphthene	14.630	154	249038	9.216	ng	98
18) Fluorene	15.606	166	830462	23.663	ng	97
25) Phenanthrene	17.368	178	5060377	140.159	ng	99
26) Anthracene	17.455	178	2207146	64.676	ng	# 96
28) Fluoranthene	19.393	202	5729447	137.504	ng	97
30) Pyrene	19.765	202	6075154	183.900	ng	96
32) Benzo(a)anthracene	21.506	228	3665140	119.557	ng	95
33) Chrysene	21.560	228	2802411	94.858	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	8185	0.406	ng	# 81
36) Indeno(1,2,3-cd)pyrene	26.598	276	2071105	35.538	ng	97
37) Benzo(b)fluoranthene	23.236	252	3769711	67.368	ng	# 90
38) Benzo(k)fluoranthene	23.274	252	1378072m	24.281	ng	
39) Benzo(a)pyrene	23.890	252	3365000m	63.597	ng	
40) Dibenzo(a,h)anthracene	26.601	278	583959	12.249	ng	97
41) Benzo(g,h,i)perylene	27.419	276	2048575	41.863	ng	95

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

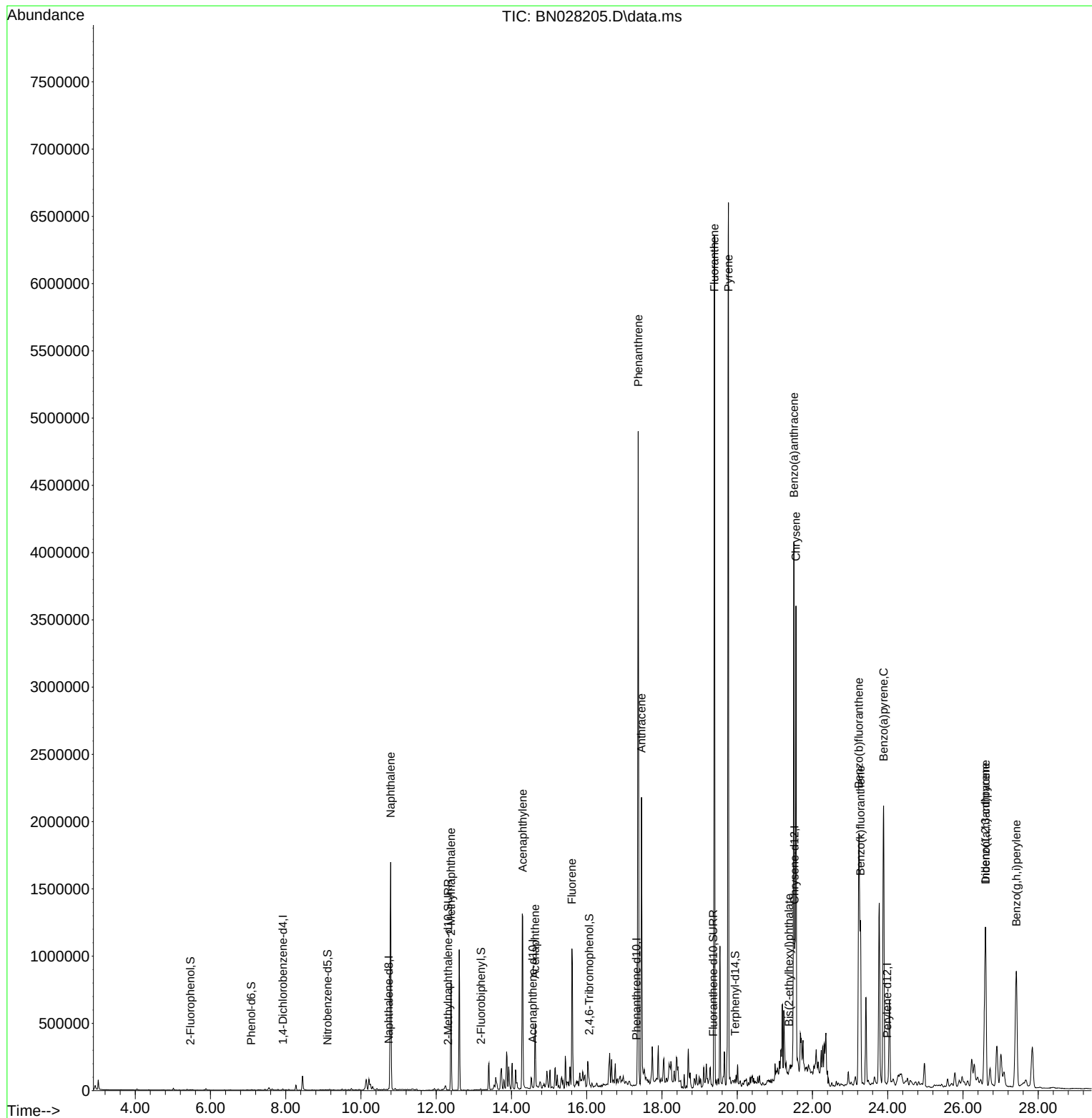
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028205.D
Acq On : 10 Oct 2023 19:52
Operator : MA/JU
Sample : 04704-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

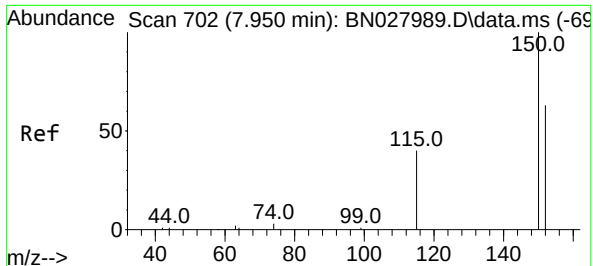
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)

Quant Time: Oct 11 02:33:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
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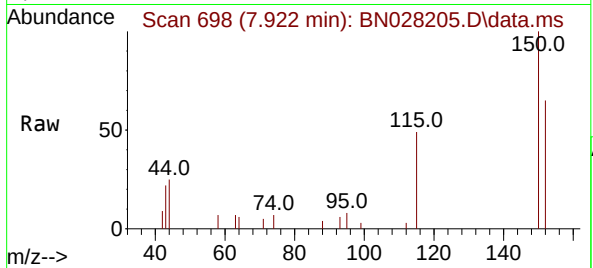
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

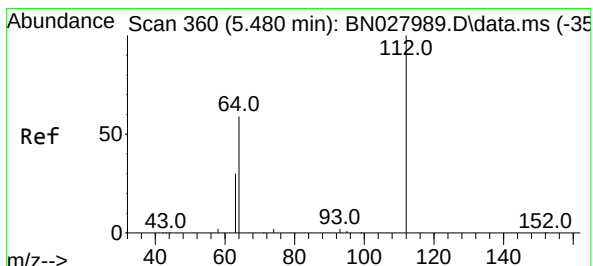
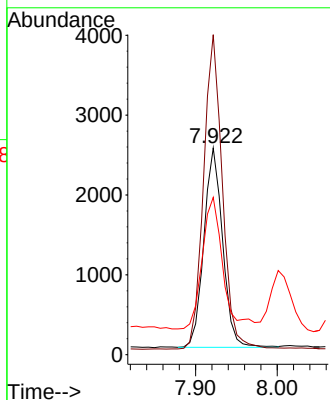
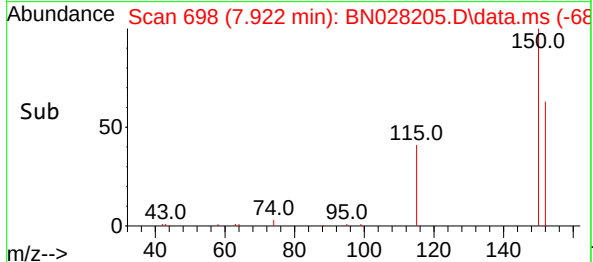
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:152 Resp: 399
Ion Ratio Lower Upper
152 100
150 154.8 125.6 188.4
115 76.1 54.8 82.2

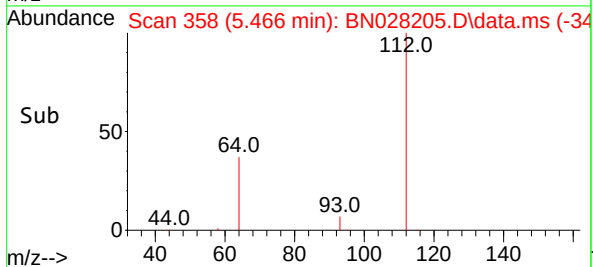
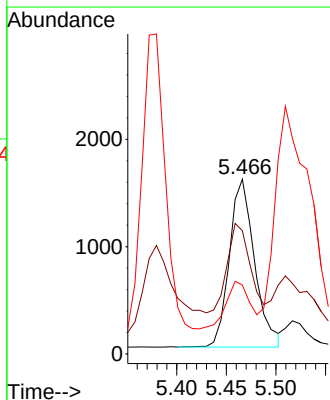
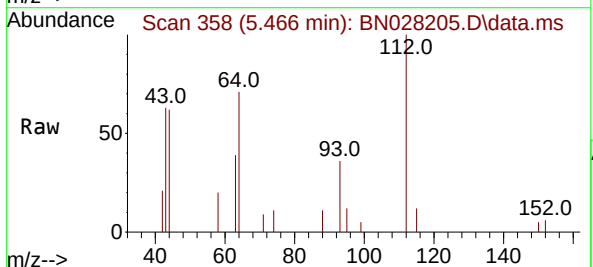
Manual Integrations
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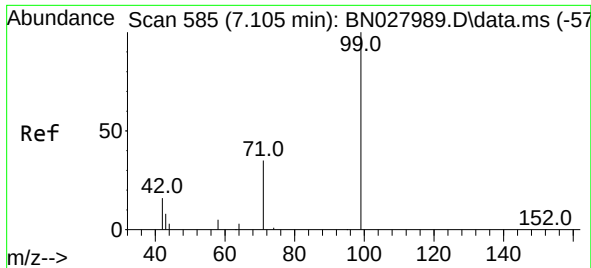
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.232 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

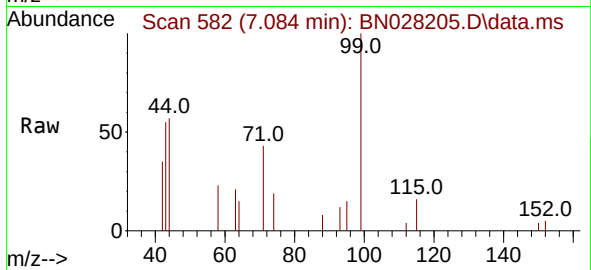
Tgt Ion:112 Resp: 2767
Ion Ratio Lower Upper
112 100
64 50.1 45.0 67.6
63 26.8 23.4 35.0





#5
Phenol-d6
Concen: 0.220 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

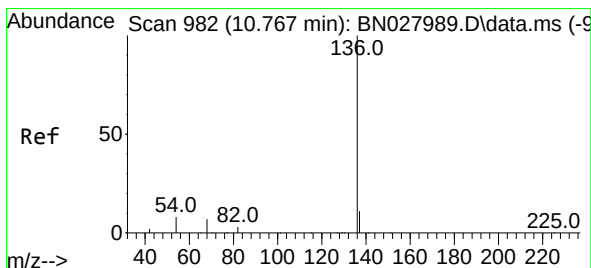
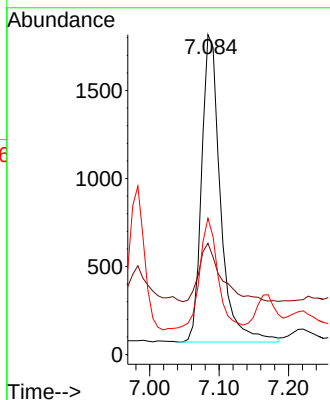
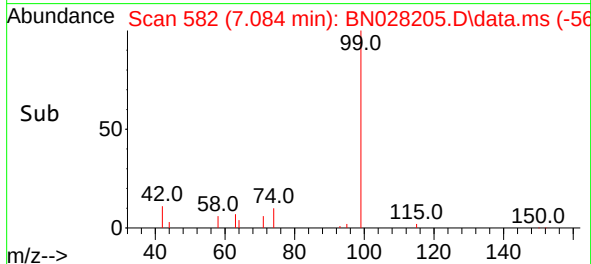
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



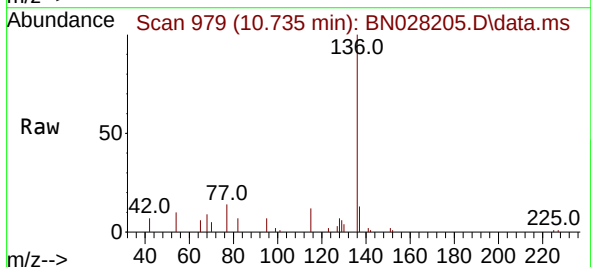
Tgt Ion: 99 Resp: 330
Ion Ratio Lower Upper
99 100
42 22.7 14.6 22.0
71 36.0 28.3 42.5

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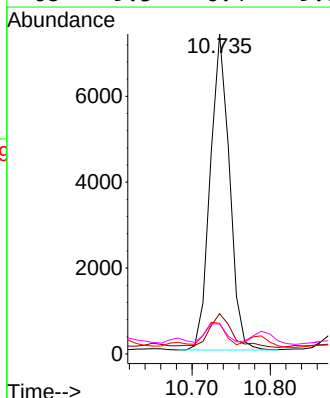
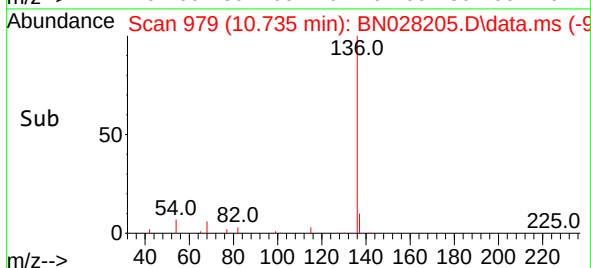
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

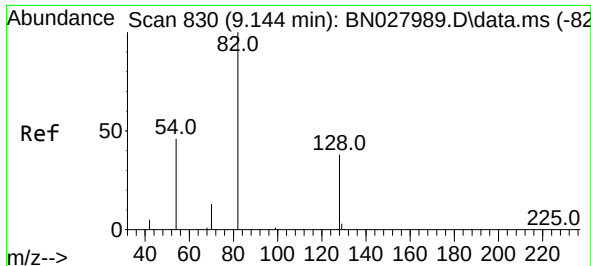


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52



Tgt Ion:136 Resp: 12518
Ion Ratio Lower Upper
136 100
137 12.6 9.4 14.0
54 9.5 7.0 10.6
68 9.3 6.4 9.6





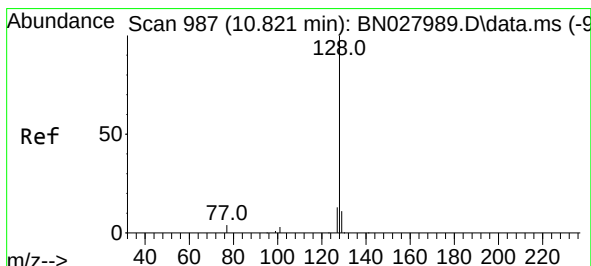
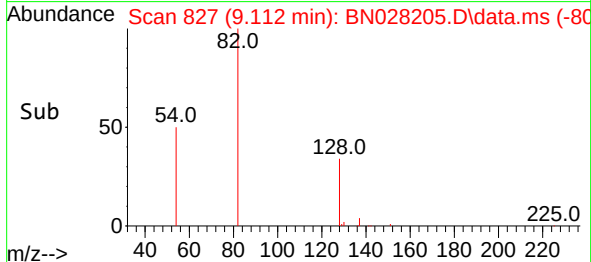
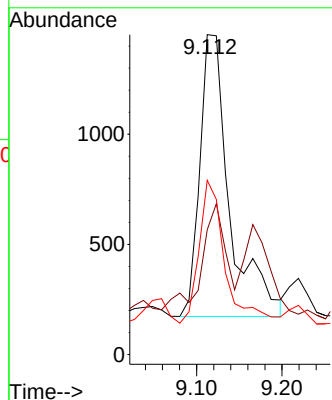
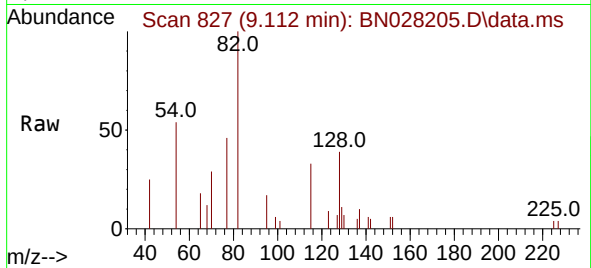
#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 9.112 min Scan# 811
Delta R.T. -0.011 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

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

Tgt Ion: 82 Resp: 311
Ion Ratio Lower Upper
82 100
128 39.0 32.7 49.1
54 54.5 38.7 58.1

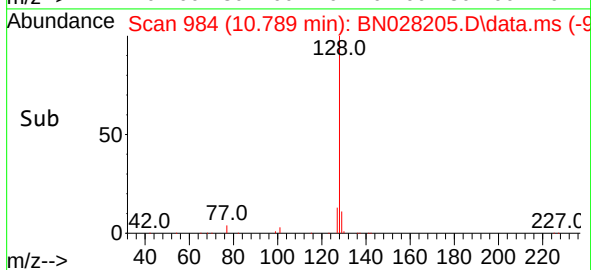
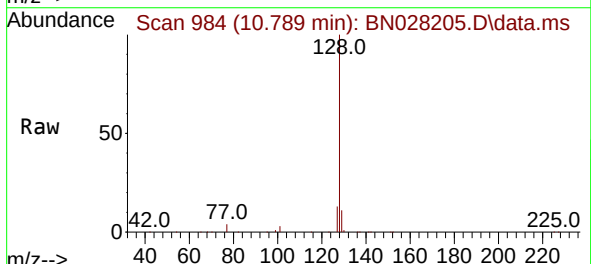
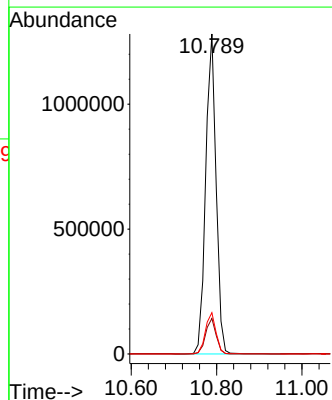
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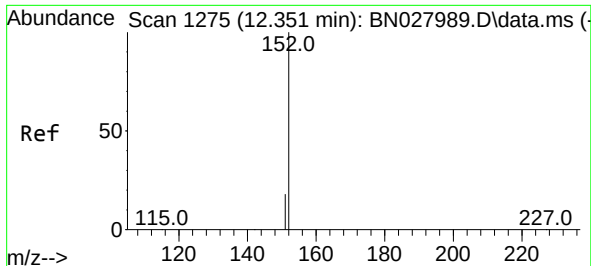
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 66.838 ng
RT: 10.789 min Scan# 984
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

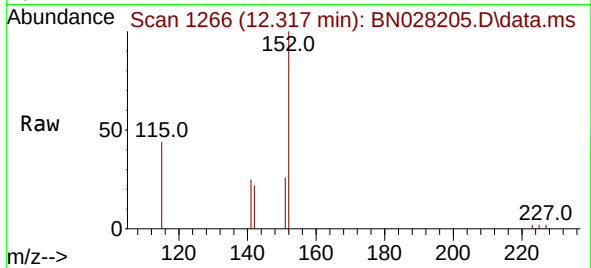
Tgt Ion:128 Resp: 2161818
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.2
127 12.9 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.233 ng
RT: 12.317 min Scan# 1266
Delta R.T. -0.008 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

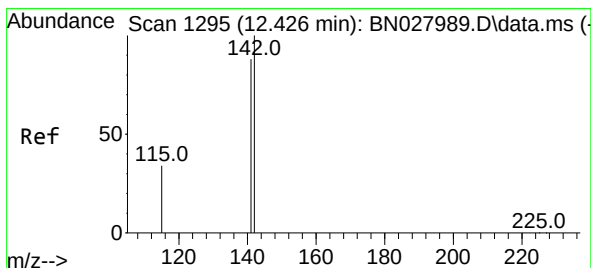
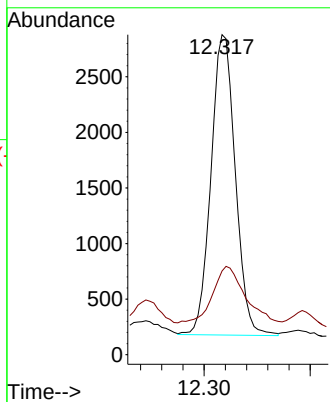
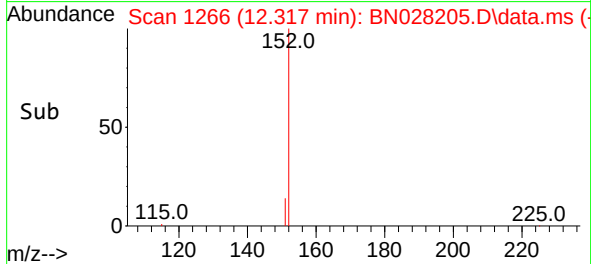
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:152 Resp: 4310
Ion Ratio Lower Upper
152 100
151 28.3 16.5 24.7

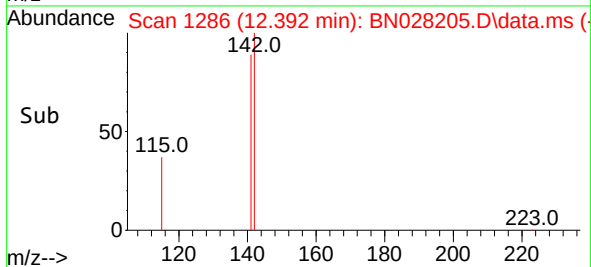
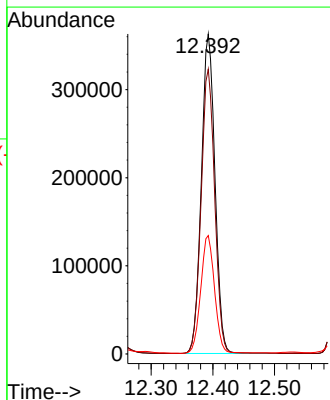
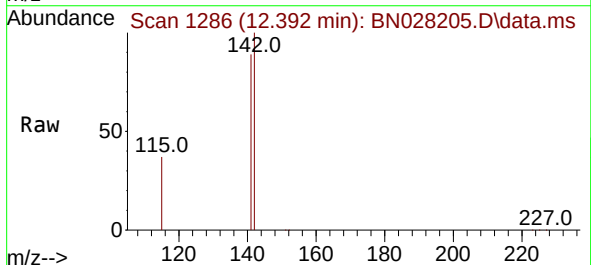
Manual Integrations
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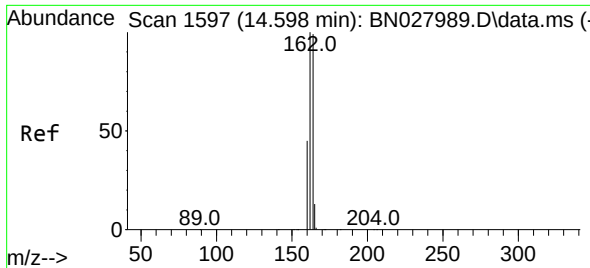
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 24.608 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

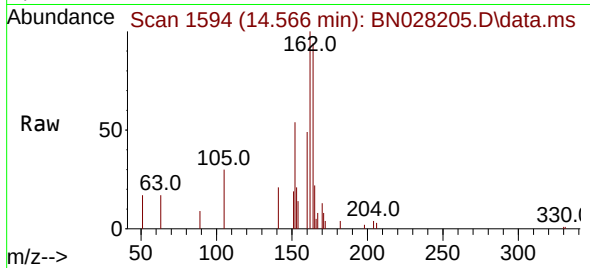
Tgt Ion:142 Resp: 556771
Ion Ratio Lower Upper
142 100
141 89.0 70.7 106.1
115 37.0 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

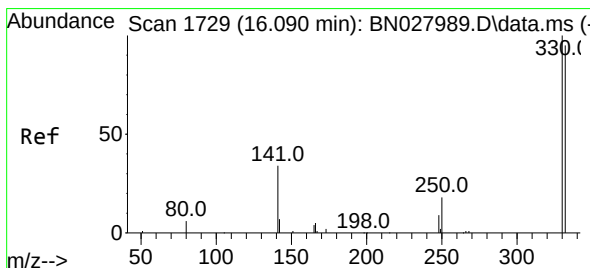
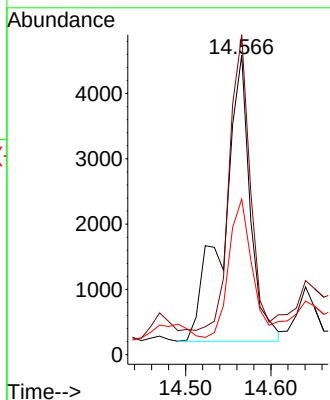
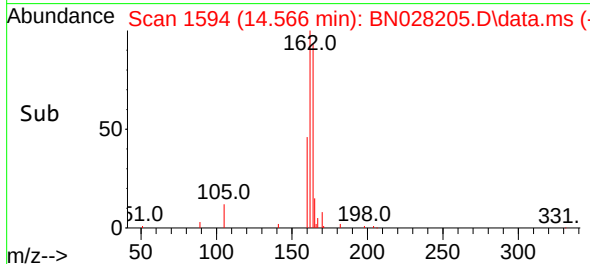
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



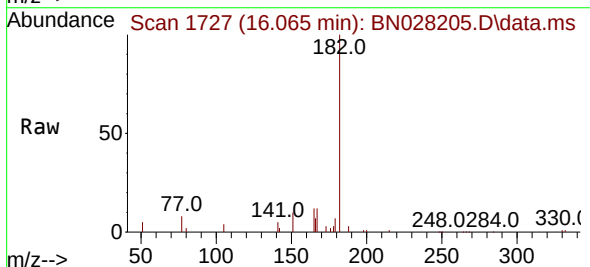
Tgt Ion:164 Resp: 956
Ion Ratio Lower Upper
164 100
162 106.8 80.8 121.2
160 51.9 36.4 54.6

Manual Integrations
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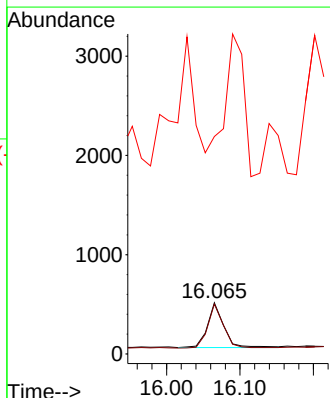
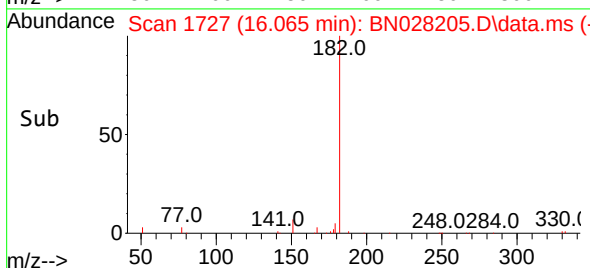
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Supervised By :mohammad ahmed 10/12/2023

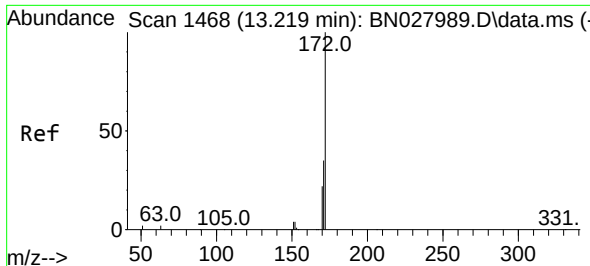


#14
2,4,6-Tribromophenol
Concen: 0.157 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52



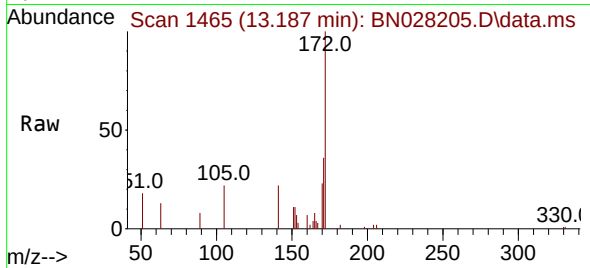
Tgt Ion:330 Resp: 690
Ion Ratio Lower Upper
330 100
332 95.4 78.1 117.1
141 0.0 33.4 50.2#





#15
2-Fluorobiphenyl
Concen: 0.180 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

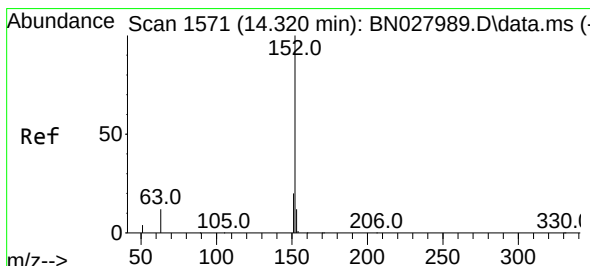
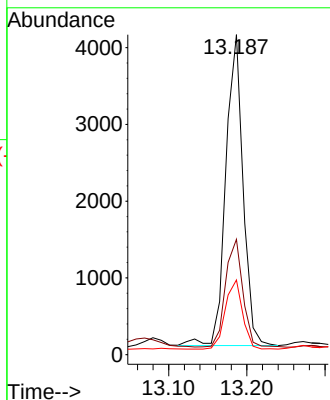
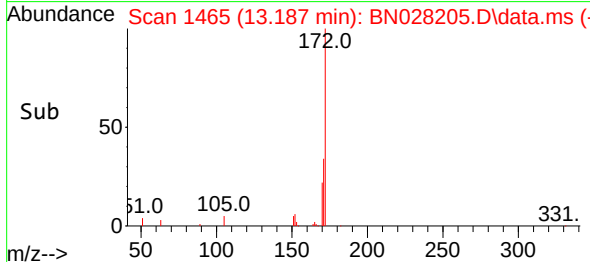
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:172 Resp: 6205
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 23.4 18.4 27.6

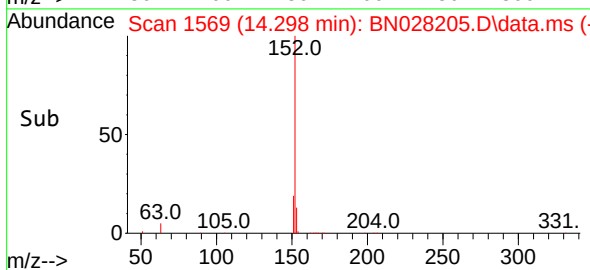
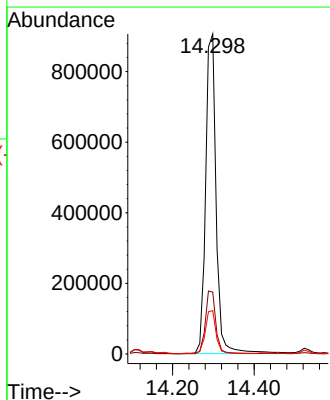
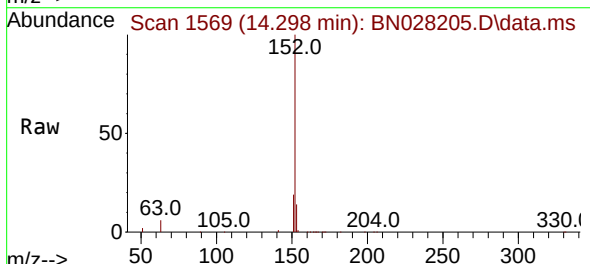
Manual Integrations
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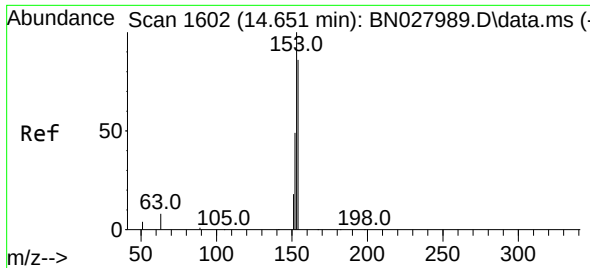
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 38.397 ng
RT: 14.298 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

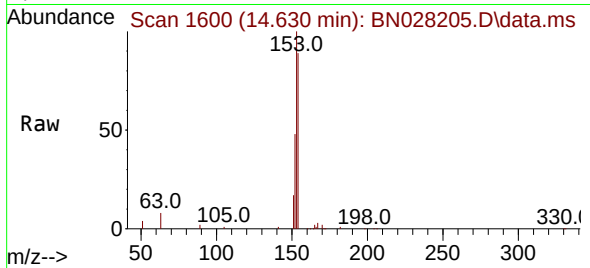
Tgt Ion:152 Resp: 1627641
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.8 10.2 15.4





#17
Acenaphthene
Concen: 9.216 ng
RT: 14.630 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

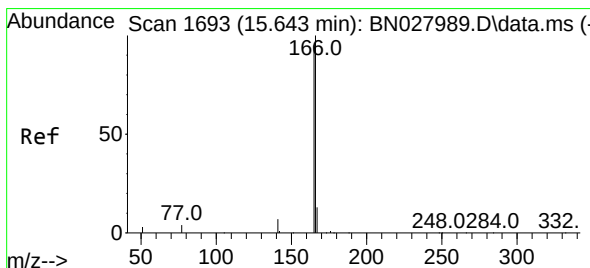
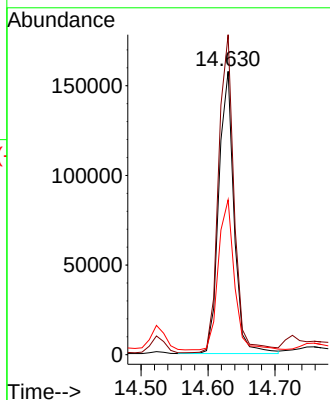
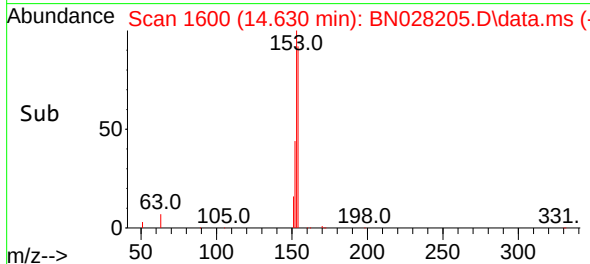
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:154 Resp: 249038
Ion Ratio Lower Upper
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153 116.0 90.8 136.2
152 55.8 43.9 65.9

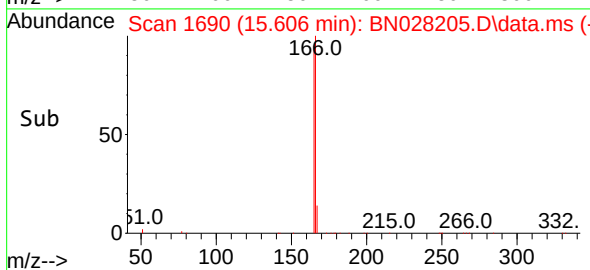
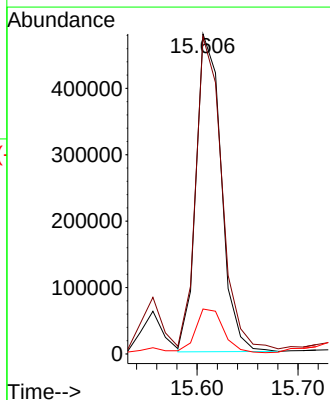
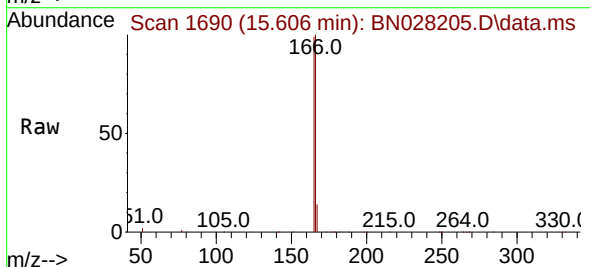
Manual Integrations
APPROVED

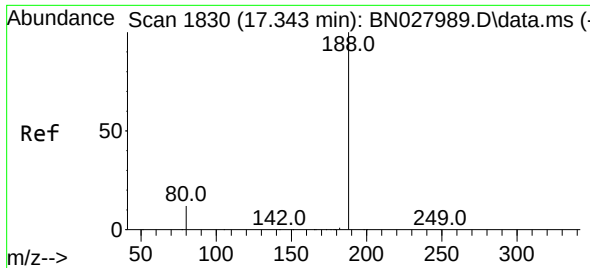
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#18
Fluorene
Concen: 23.663 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

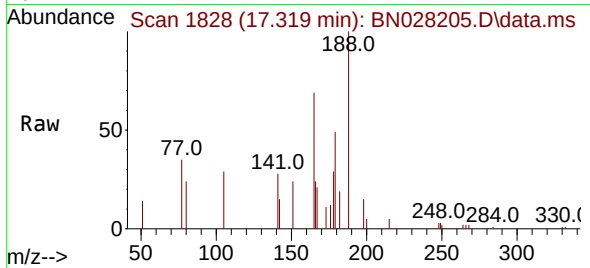
Tgt Ion:166 Resp: 830462
Ion Ratio Lower Upper
166 100
165 100.4 77.8 116.8
167 15.3 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

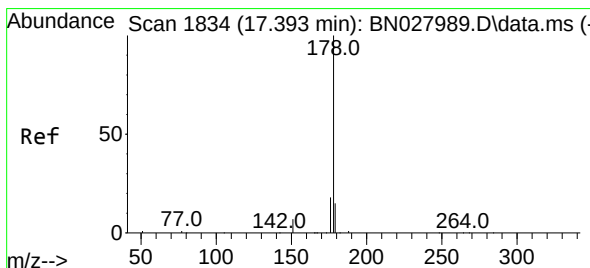
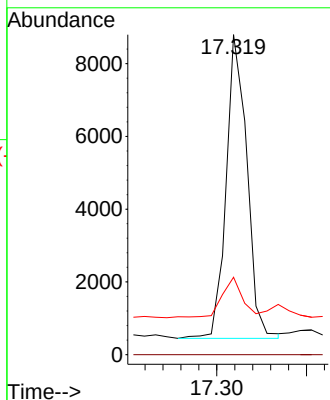
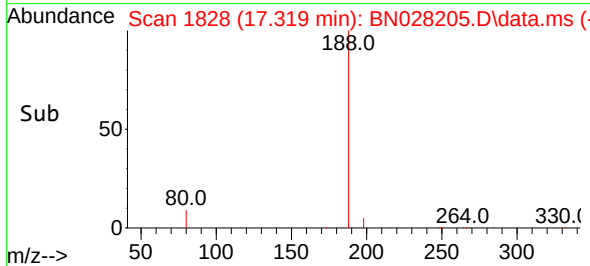
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



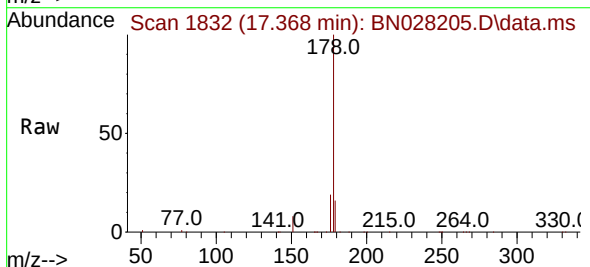
Tgt Ion:188 Resp: 13392
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 24.2 10.2 15.4

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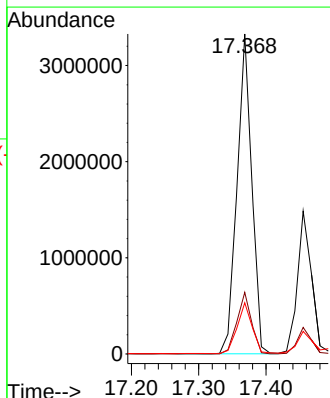
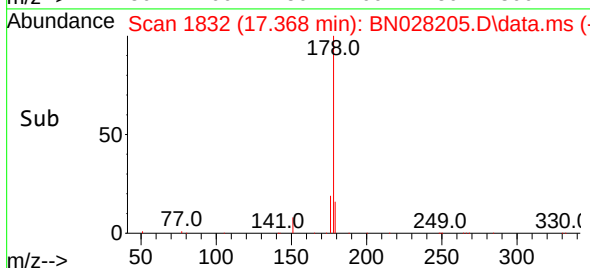
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

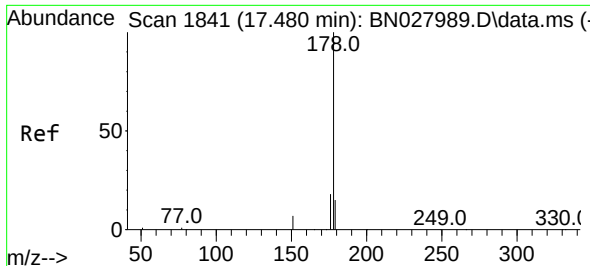


#25
Phenanthrene
Concen: 140.159 ng
RT: 17.368 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52



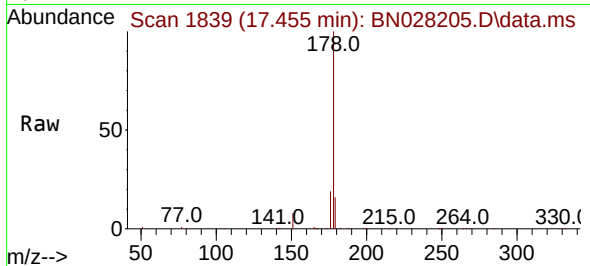
Tgt Ion:178 Resp: 5060377
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 16.1 12.4 18.6





#26
 Anthracene
 Concen: 64.676 ng
 RT: 17.455 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN028205.D
 Acq: 10 Oct 2023 19:52

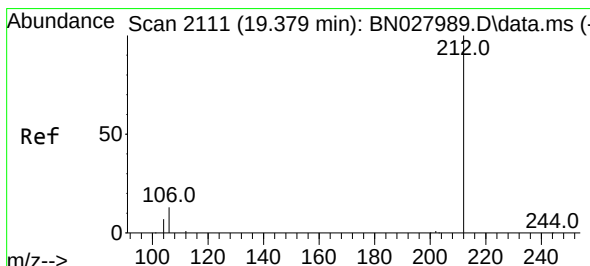
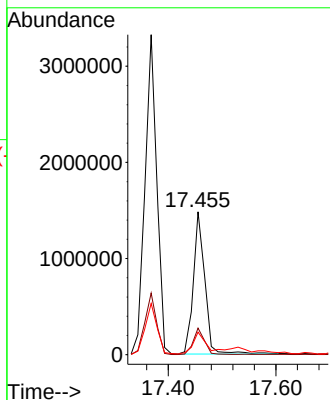
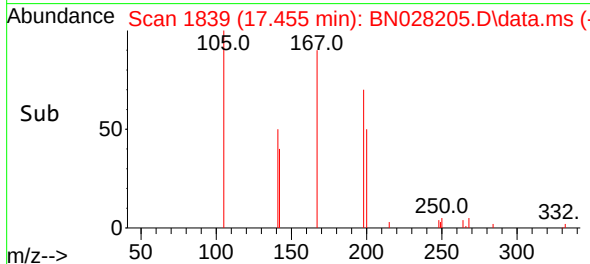
Instrument :
 BNA_N
 ClientSampleId :
 R-2(5-10)



Tgt Ion:178 Resp: 2207140
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.7 22.1
 179 18.7 12.2 18.2

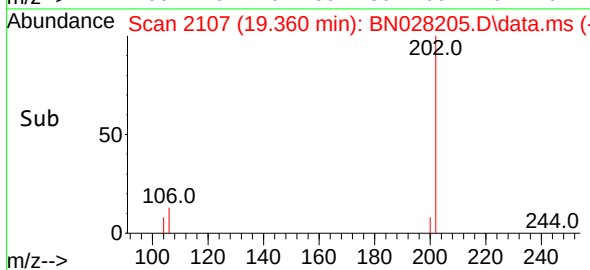
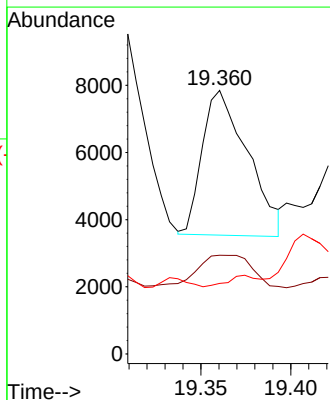
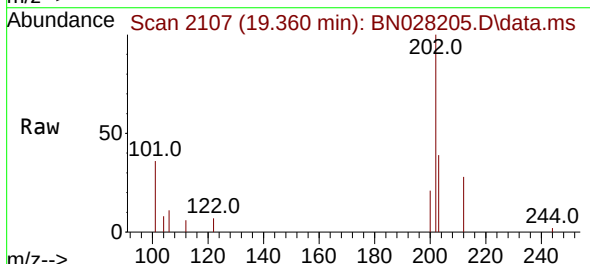
Manual Integrations
 APPROVED

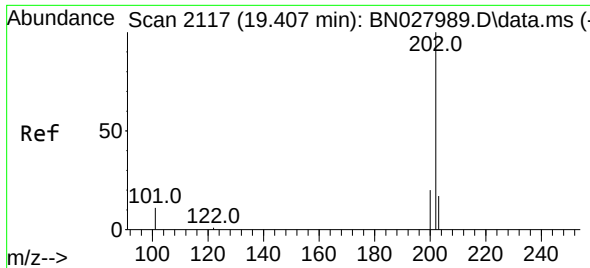
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 0.225 ng
 RT: 19.360 min Scan# 2107
 Delta R.T. 0.005 min
 Lab File: BN028205.D
 Acq: 10 Oct 2023 19:52

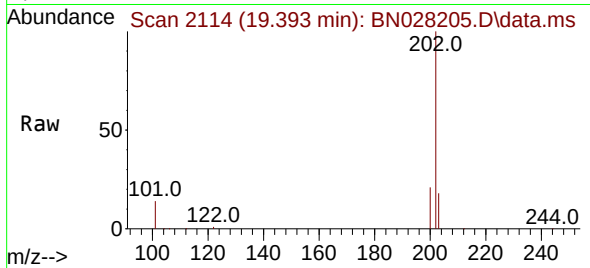
Tgt Ion:212 Resp: 7565
 Ion Ratio Lower Upper
 212 100
 106 27.1 11.3 16.9#
 104 4.1 6.4 9.6#





#28
Fluoranthene
Concen: 137.504 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

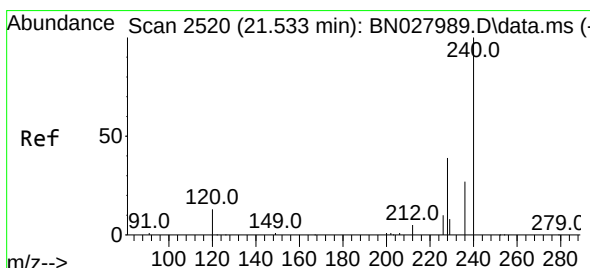
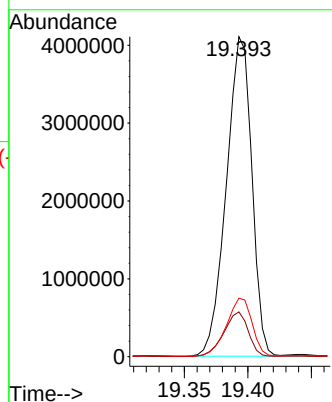
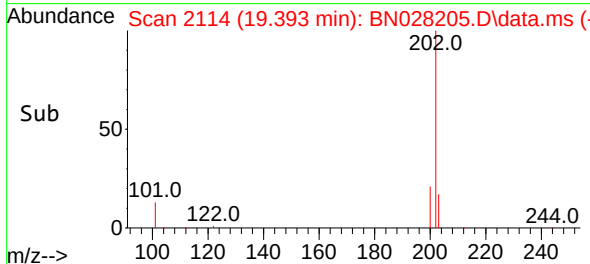
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:202 Resp: 572944
Ion Ratio Lower Upper
202 100
101 13.4 9.8 14.6
203 18.2 13.8 20.8

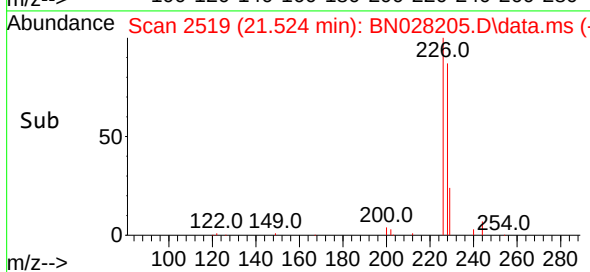
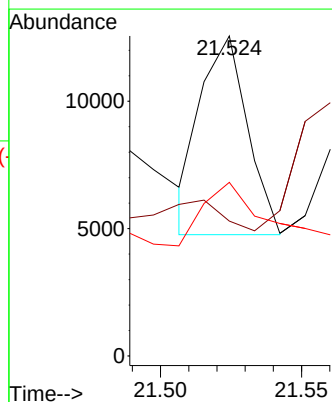
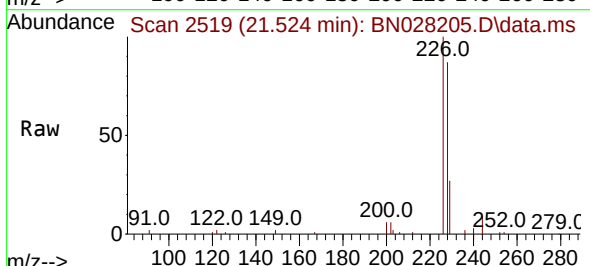
Manual Integrations
APPROVED

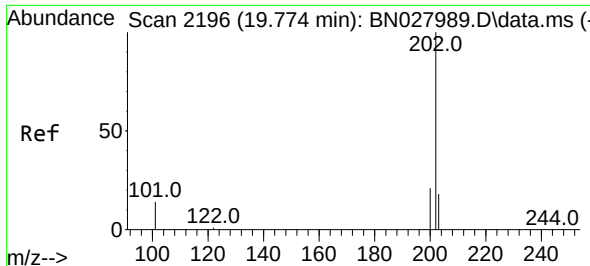
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.524 min Scan# 2519
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

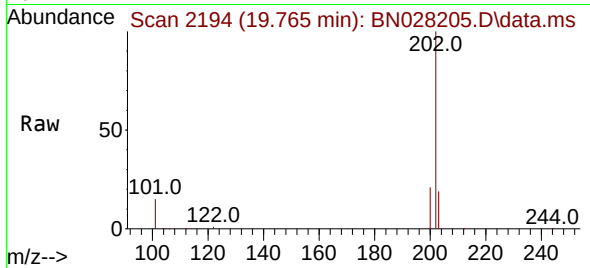
Tgt Ion:240 Resp: 9009
Ion Ratio Lower Upper
240 100
120 42.2 13.8 20.6#
236 54.3 22.6 33.8#





#30
Pyrene
Concen: 183.900 ng
RT: 19.765 min Scan# 2196
Delta R.T. 0.014 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

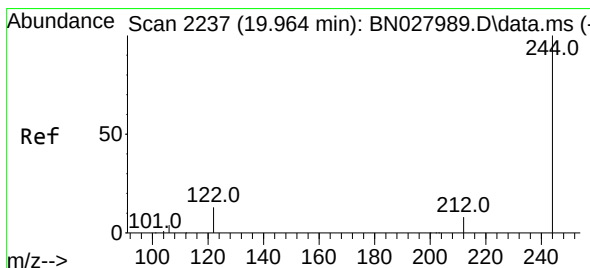
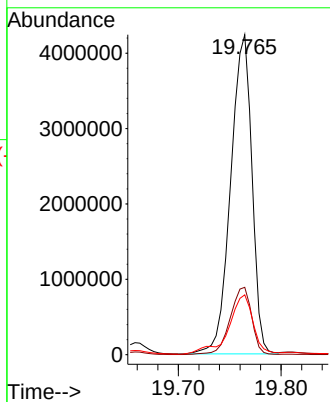
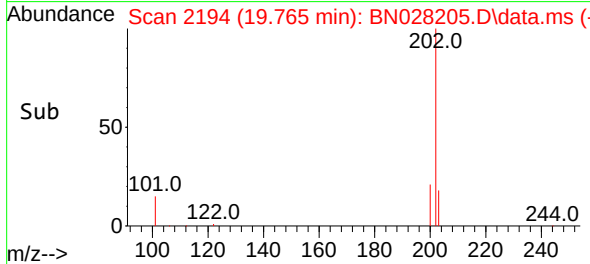
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:202 Resp: 6075154
Ion Ratio Lower Upper
202 100
200 21.2 16.5 24.7
203 21.1 14.7 22.1

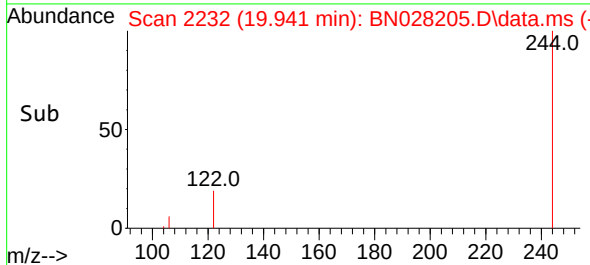
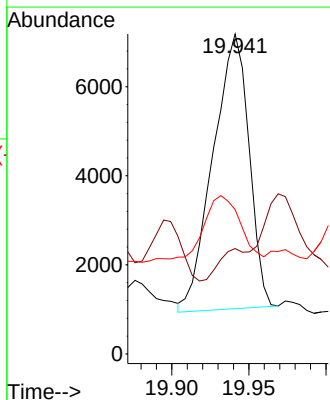
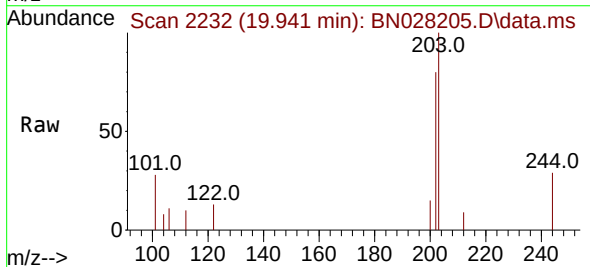
Manual Integrations
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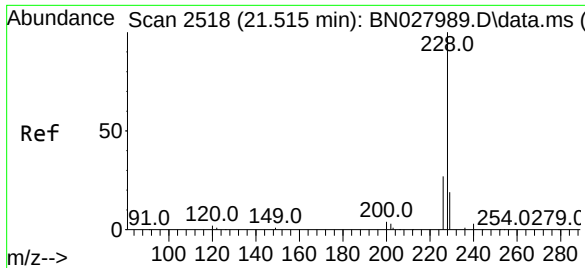
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.477 ng
RT: 19.941 min Scan# 2232
Delta R.T. 0.000 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

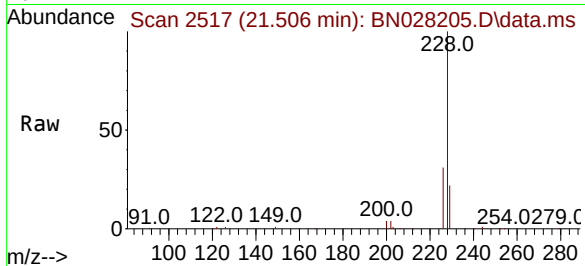
Tgt Ion:244 Resp: 10022
Ion Ratio Lower Upper
244 100
212 32.9 6.6 9.8#
122 45.1 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 119.557 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

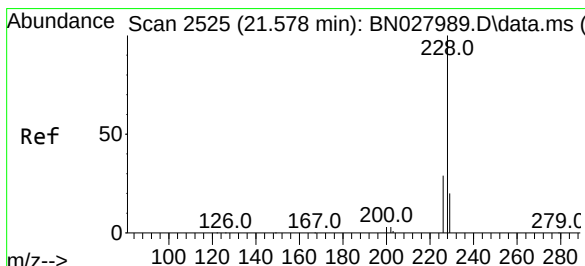
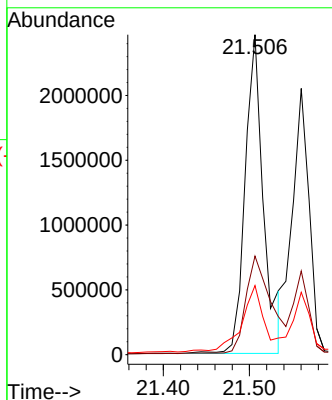
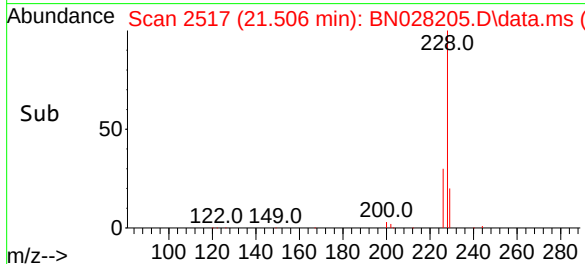
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



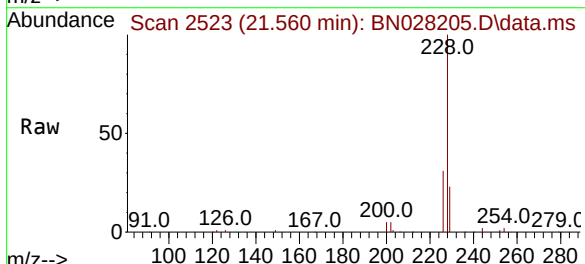
Tgt Ion:228 Resp: 3665140
Ion Ratio Lower Upper
228 100
226 30.8 22.0 33.0
229 21.6 16.0 24.0

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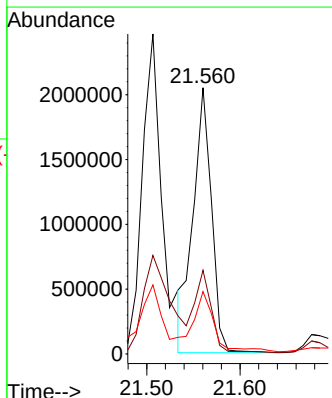
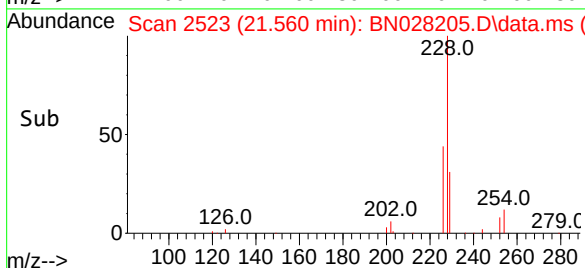
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

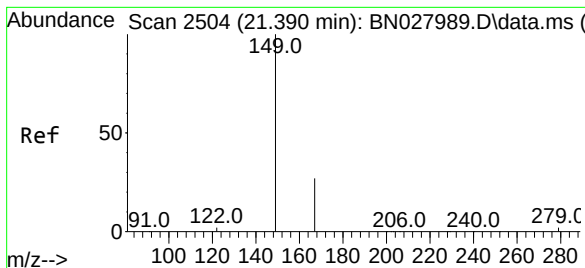


#33
Chrysene
Concen: 94.858 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52



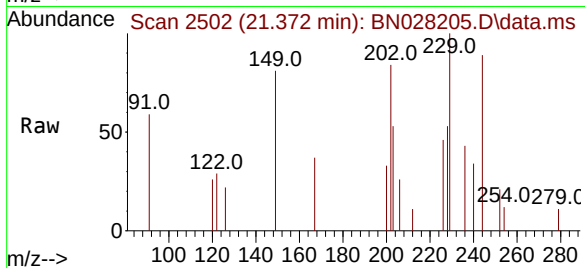
Tgt Ion:228 Resp: 2802411
Ion Ratio Lower Upper
228 100
226 31.4 23.8 35.8
229 23.4 16.6 25.0





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.406 ng
RT: 21.372 min Scan# 2138
Delta R.T. 0.009 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

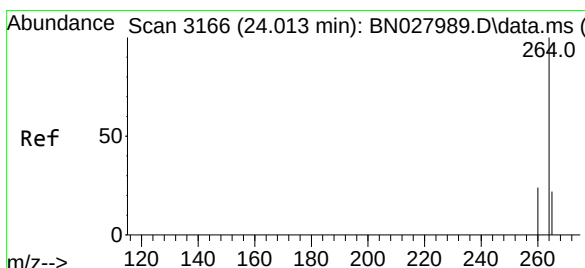
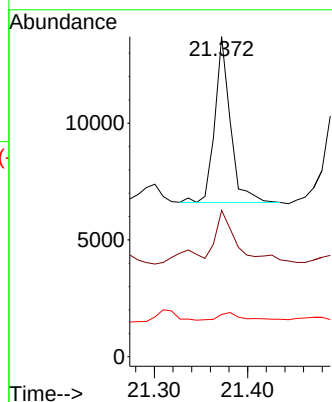
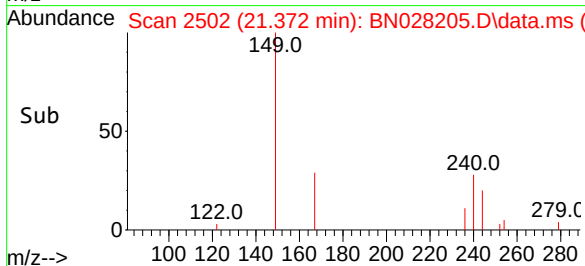
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:149 Resp: 818
Ion Ratio Lower Upper
149 100
167 38.4 22.1 33.1
279 7.0 3.4 5.0

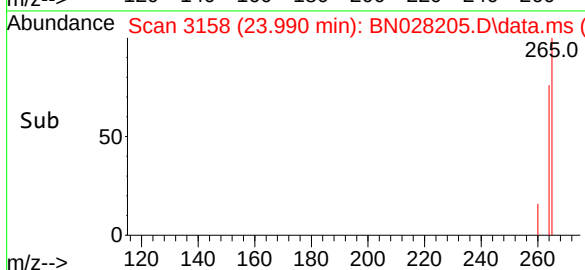
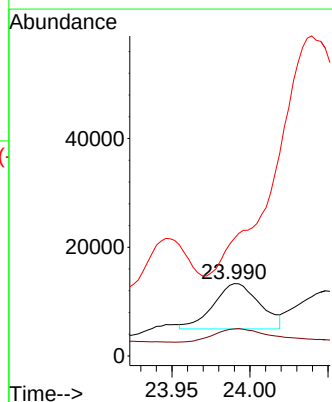
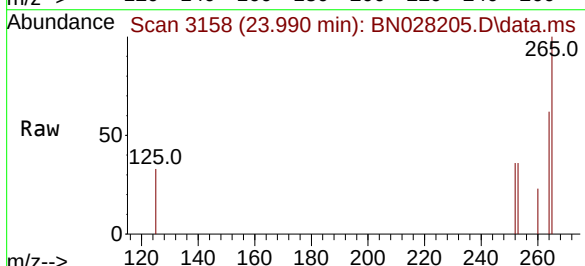
Manual Integrations
APPROVED

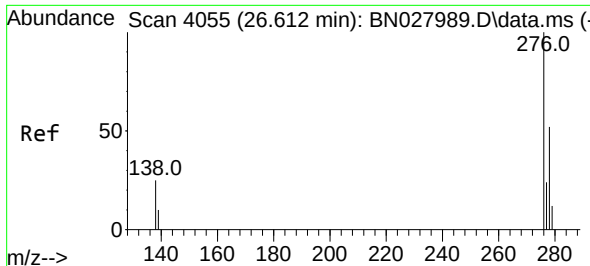
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#35
Perylene-d12
Concen: 0.400 ng m
RT: 23.990 min Scan# 3158
Delta R.T. 0.015 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

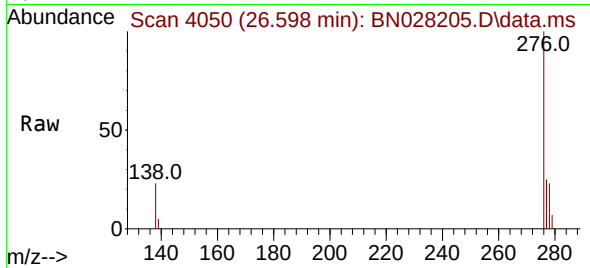
Tgt Ion:264 Resp: 17326
Ion Ratio Lower Upper
264 100
260 37.4 20.2 30.4#
265 161.9 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 35.538 ng
RT: 26.598 min Scan# 4055
Delta R.T. 0.041 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

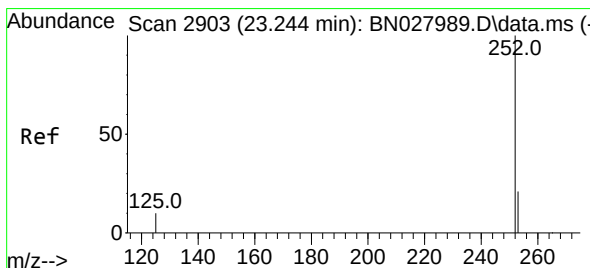
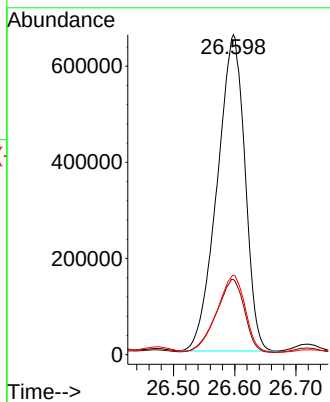
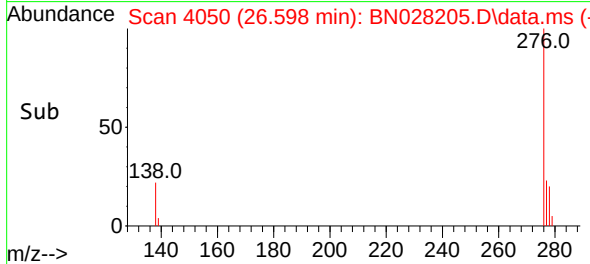
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



Tgt Ion:276 Resp: 207110
Ion Ratio Lower Upper
276 100
138 23.6 20.9 31.3
277 24.7 19.8 29.6

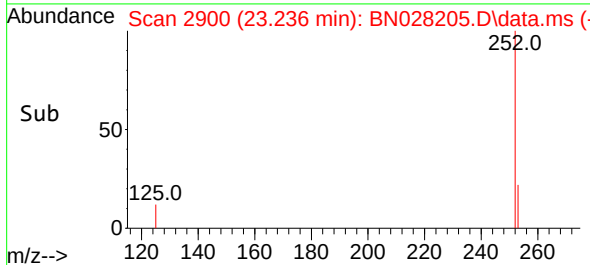
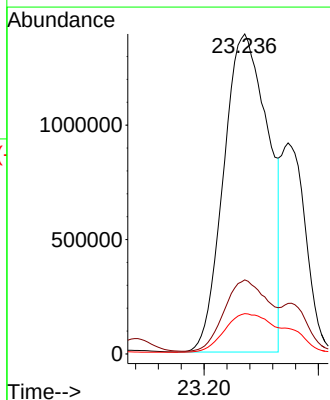
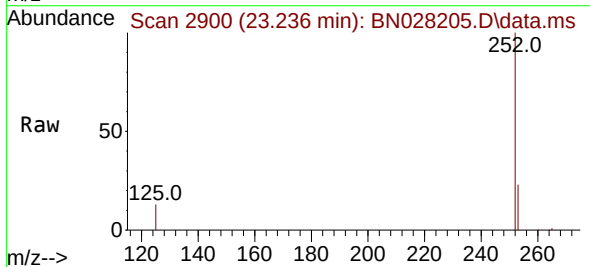
Manual Integrations
APPROVED

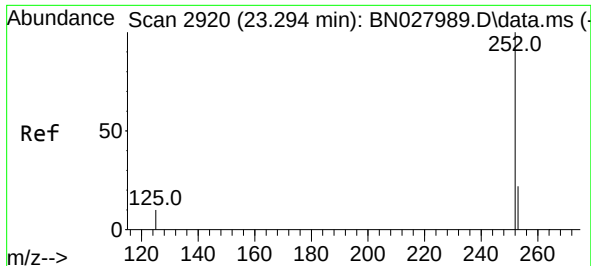
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 67.368 ng
RT: 23.236 min Scan# 2900
Delta R.T. 0.023 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

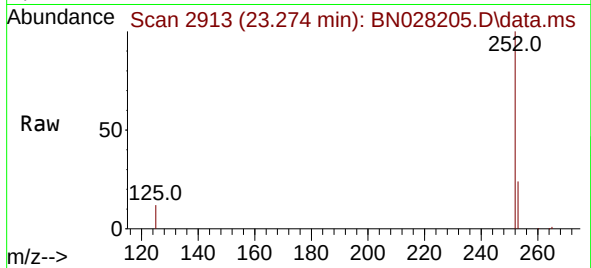
Tgt Ion:252 Resp: 3769711
Ion Ratio Lower Upper
252 100
253 23.2 22.9 34.3
125 12.6 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 24.281 ng m
RT: 23.274 min Scan# 2913
Delta R.T. 0.012 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

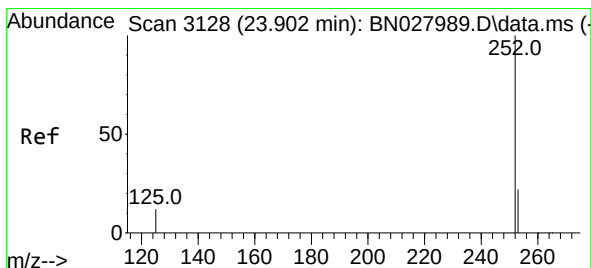
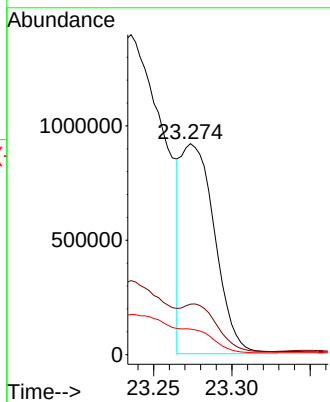
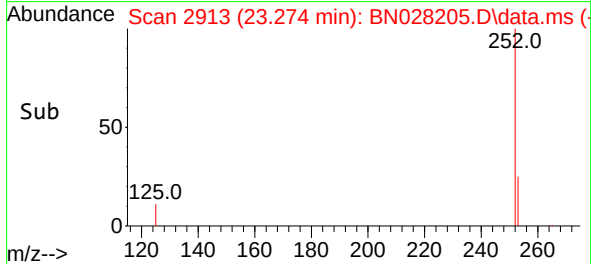
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



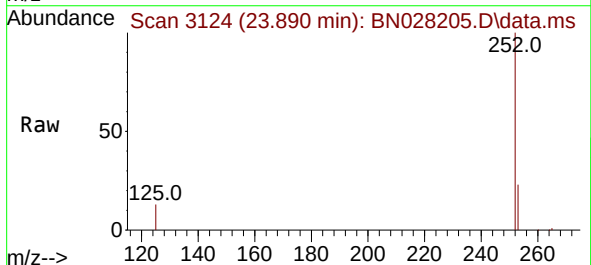
Tgt Ion:252 Resp: 1378072
Ion Ratio Lower Upper
252 100
253 24.0 23.1 34.7
125 12.1 13.8 20.8

Manual Integrations
APPROVED

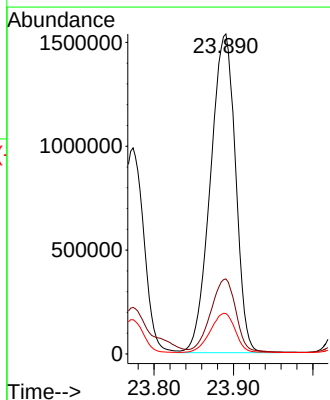
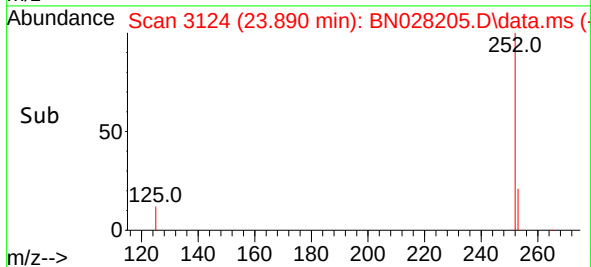
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

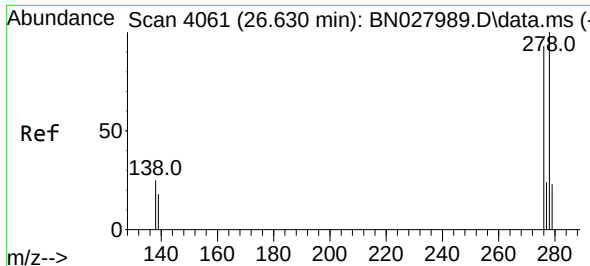


#39
Benzo(a)pyrene
Concen: 63.597 ng m
RT: 23.890 min Scan# 3124
Delta R.T. 0.026 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52



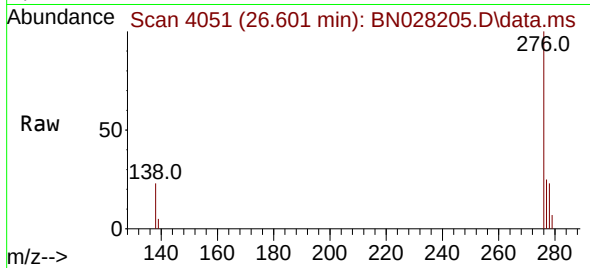
Tgt Ion:252 Resp: 3365000
Ion Ratio Lower Upper
252 100
253 23.5 25.0 37.4#
125 12.7 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 12.249 ng
RT: 26.601 min Scan# 4061
Delta R.T. 0.023 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52

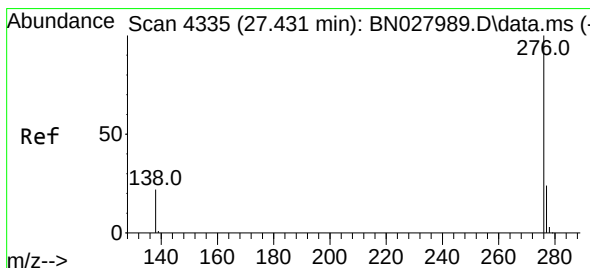
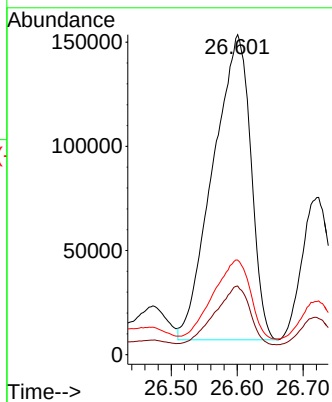
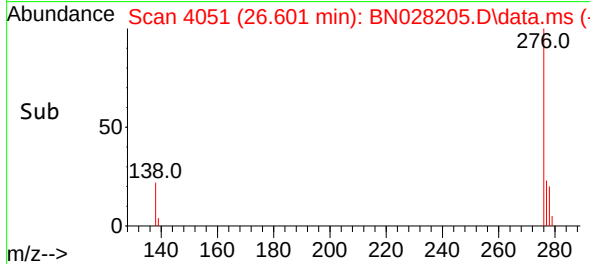
Instrument :
BNA_N
ClientSampleId :
R-2(5-10)



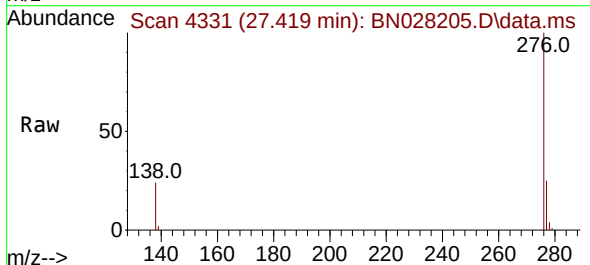
Tgt Ion:278 Resp: 58395
Ion Ratio Lower Upper
278 100
139 21.4 17.7 26.5
279 29.5 25.2 37.8

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 41.863 ng
RT: 27.419 min Scan# 4331
Delta R.T. 0.053 min
Lab File: BN028205.D
Acq: 10 Oct 2023 19:52



Tgt Ion:276 Resp: 2048575
Ion Ratio Lower Upper
276 100
277 24.6 22.1 33.1
138 23.6 20.8 31.2

