

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028216.D
 Acq On : 11 Oct 2023 03:34
 Operator : MA/JU
 Sample : 04704-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 R-3(10-15)

Manual Integrations
 APPROVED

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

Quant Time: Oct 11 04:42:29 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	4050	0.400	ng	# 0.00
7) Naphthalene-d8	10.735	136	12760	0.400	ng	# 0.00
13) Acenaphthene-d10	14.566	164	5762m	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	13703	0.400	ng	# 0.01
29) Chrysene-d12	21.497	240	50831m	0.400	ng	-0.02
35) Perylene-d12	23.972	264	11127	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3235	0.268	ng	0.00
5) Phenol-d6	7.084	99	3217	0.211	ng	0.00
8) Nitrobenzene-d5	9.112	82	3072	0.283	ng	-0.01
11) 2-Methylnaphthalene-d10	12.321	152	4394	0.232	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	691	0.262	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	6896	0.332	ng	0.00
27) Fluoranthene-d10	19.393	212	35442	1.030	ng	0.04
31) Terphenyl-d14	19.932	244	16637	0.140	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	9341694	283.345	ng	Qvalue 100
12) 2-Methylnaphthalene	12.400	142	3669650	159.112	ng	99
16) Acenaphthylene	14.298	152	7062951	276.705	ng	# 97
17) Acenaphthene	14.630	154	1443394	88.708	ng	95
18) Fluorene	15.618	166	5465810m	258.642	ng	
25) Phenanthrene	17.393	178	19741319	534.374	ng	95
26) Anthracene	17.468	178	8432876	241.501	ng	# 88
28) Fluoranthene	19.411	202	13469205	315.919	ng	96
30) Pyrene	19.778	202	19194296m	102.978	ng	
32) Benzo(a)anthracene	21.515	228	9845679	56.922	ng	# 90
33) Chrysene	21.578	228	8982138m	53.885	ng	
34) Bis(2-ethylhexyl)phtha...	21.372	149	14360	0.126	ng	# 86
36) Indeno(1,2,3-cd)pyrene	26.644	276	4695842	125.465	ng	97
37) Benzo(b)fluoranthene	23.259	252	8722291	242.715	ng	# 91
38) Benzo(k)fluoranthene	23.297	252	2798490m	76.777	ng	
39) Benzo(a)pyrene	23.923	252	9584812	282.069	ng	# 85
40) Dibenzo(a,h)anthracene	26.642	278	1495300	48.838	ng	99
41) Benzo(g,h,i)perylene	27.481	276	5290765	168.351	ng	96

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

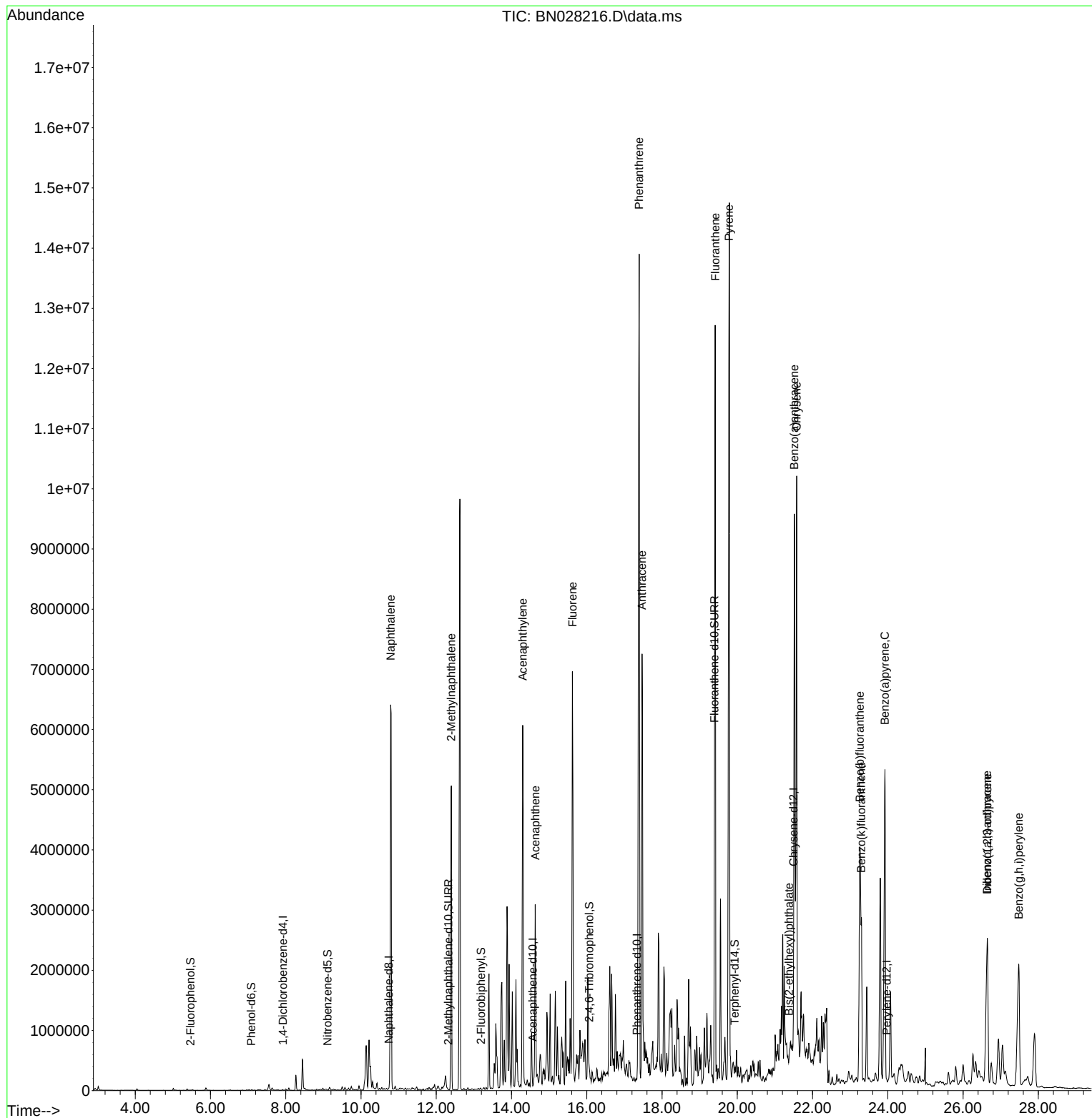
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
Data File : BN028216.D
Acq On : 11 Oct 2023 03:34
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ALS Vial : 24 Sample Multiplier: 1

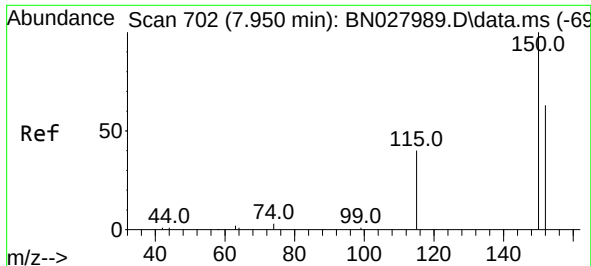
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)

Quant Time: Oct 11 04:42:29 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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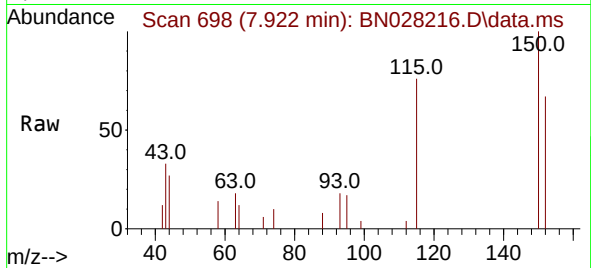
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

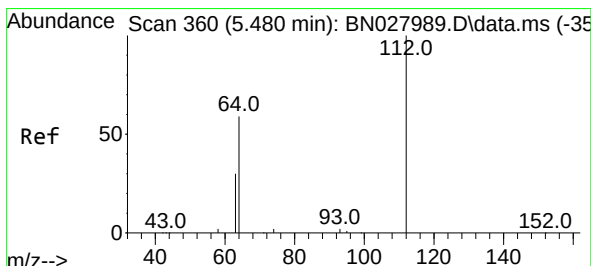
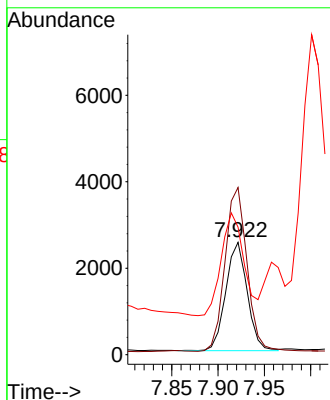
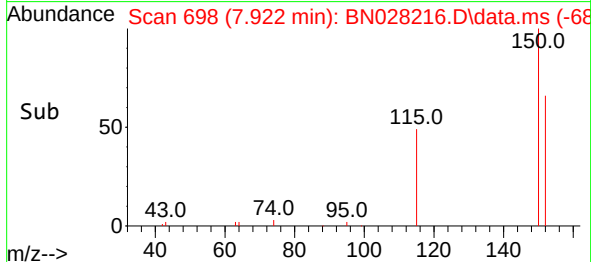
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:152 Resp: 4050
Ion Ratio Lower Upper
152 100
150 148.8 125.6 188.4
115 113.5 54.8 82.2

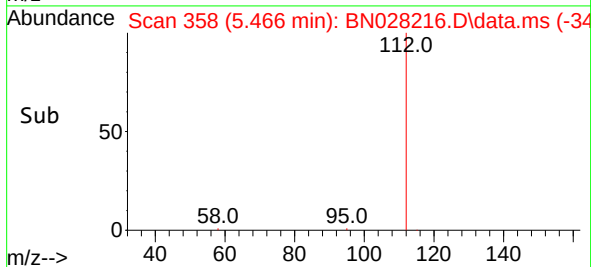
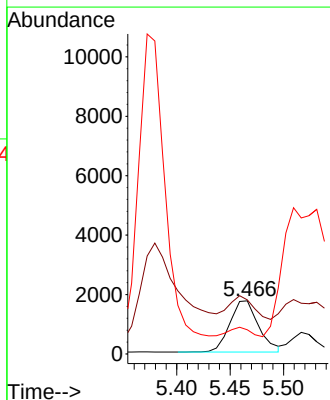
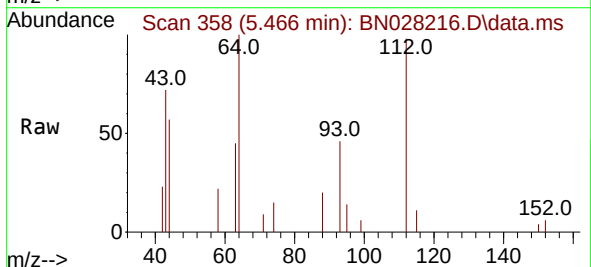
Manual Integrations
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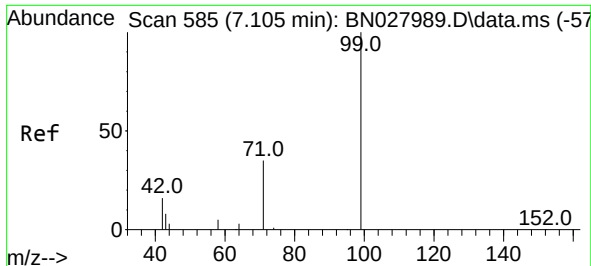
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#4
2-Fluorophenol
Concen: 0.268 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

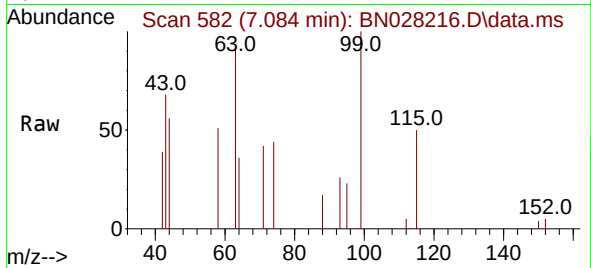
Tgt Ion:112 Resp: 3235
Ion Ratio Lower Upper
112 100
64 38.1 45.0 67.6#
63 15.9 23.4 35.0#





#5
Phenol-d6
Concen: 0.211 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

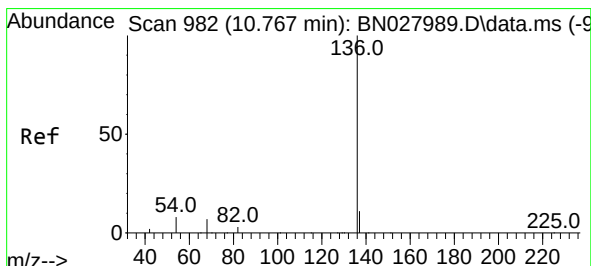
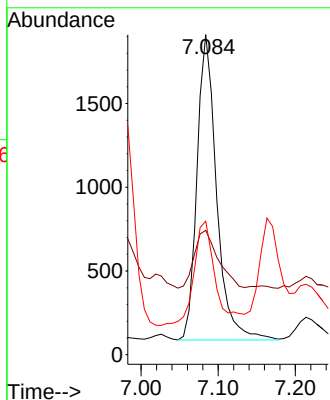
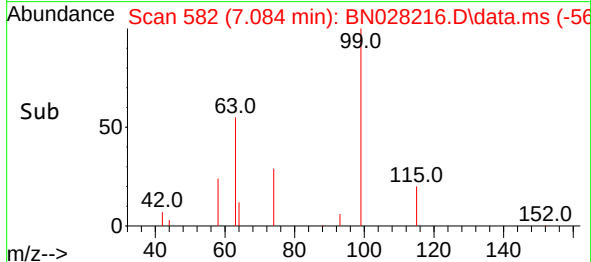
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion: 99 Resp: 321
Ion Ratio Lower Upper
99 100
42 22.9 14.6 22.0#
71 38.0 28.3 42.5#

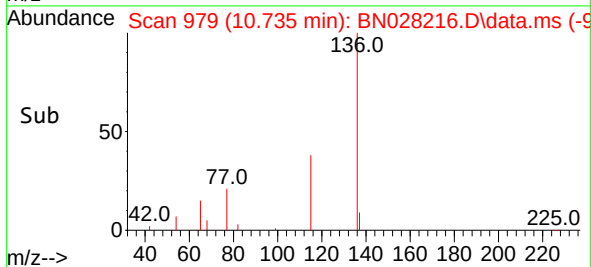
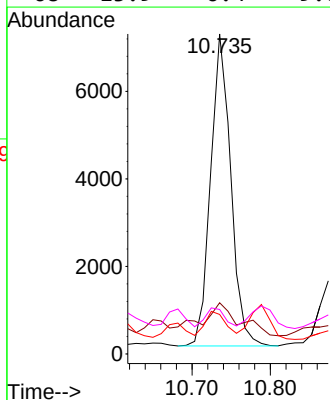
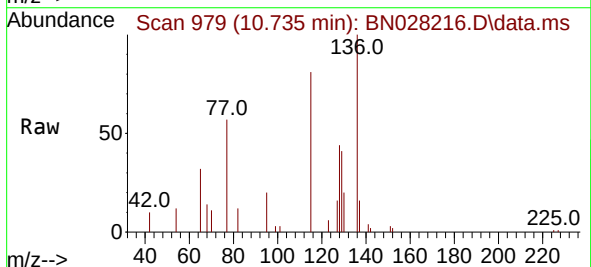
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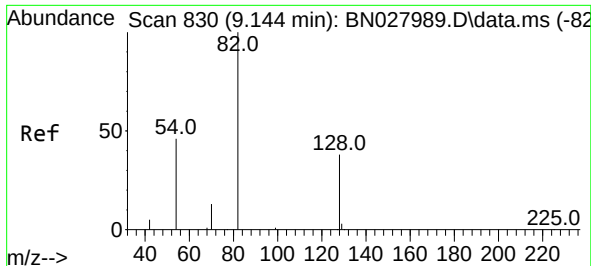
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

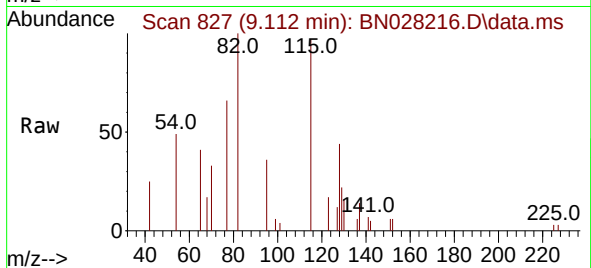
Tgt Ion:136 Resp: 12760
Ion Ratio Lower Upper
136 100
137 16.0 9.4 14.0#
54 12.3 7.0 10.6#
68 13.9 6.4 9.6#





#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

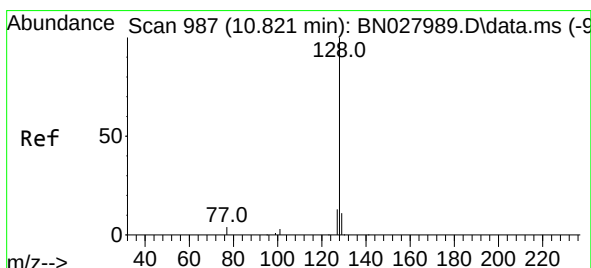
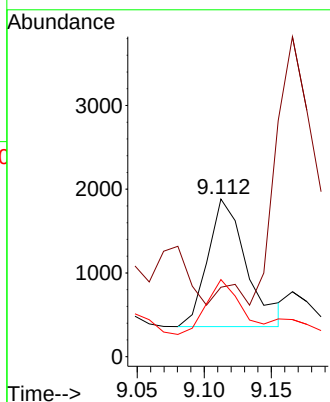
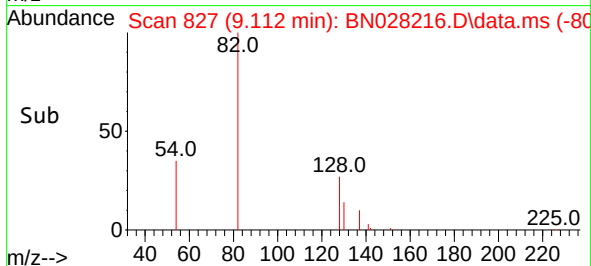
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion: 82 Resp: 3072
Ion Ratio Lower Upper
82 100
128 44.0 32.7 49.1
54 48.9 38.7 58.1

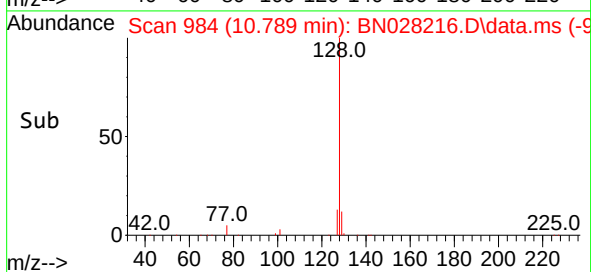
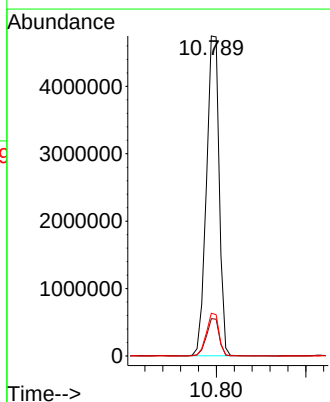
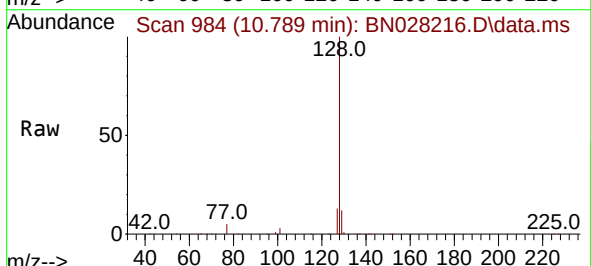
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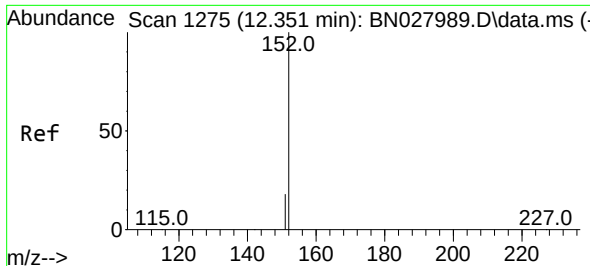
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#9
Naphthalene
Concen: 283.345 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

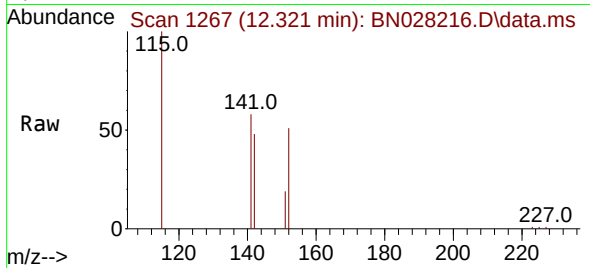
Tgt Ion:128 Resp: 9341694
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.2
127 13.4 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.232 ng
RT: 12.321 min Scan# 1267
Delta R.T. -0.004 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

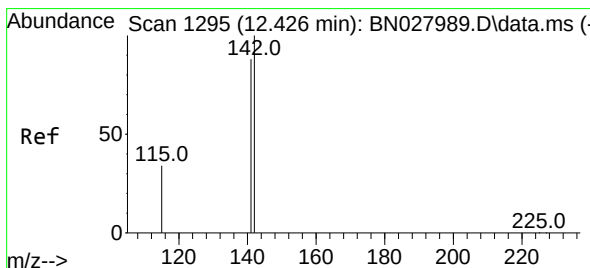
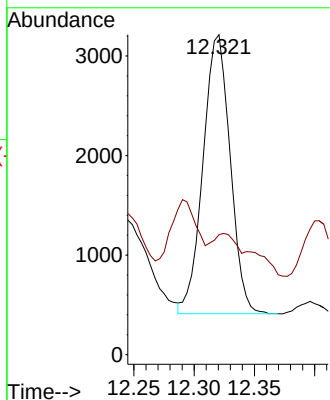
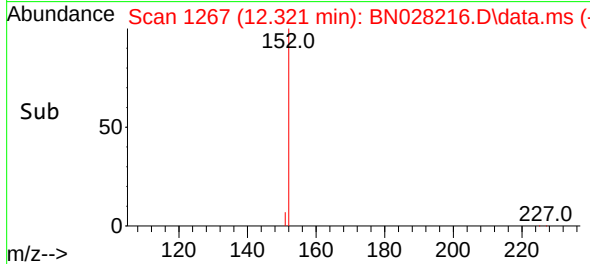
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:152 Resp: 4394
Ion Ratio Lower Upper
152 100
151 0.0 16.5 24.7

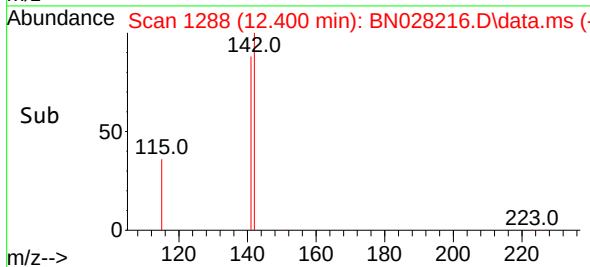
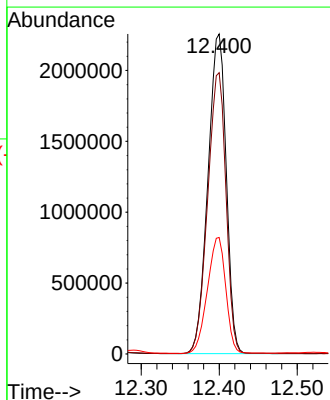
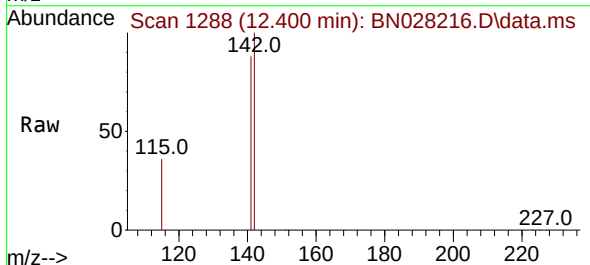
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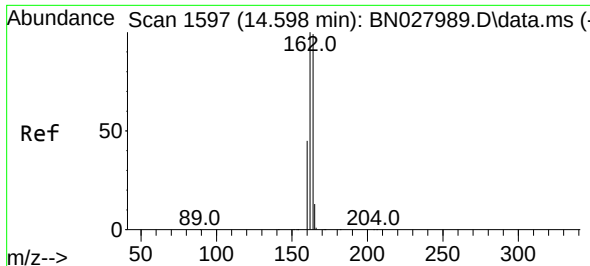
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#12
2-Methylnaphthalene
Concen: 159.112 ng
RT: 12.400 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

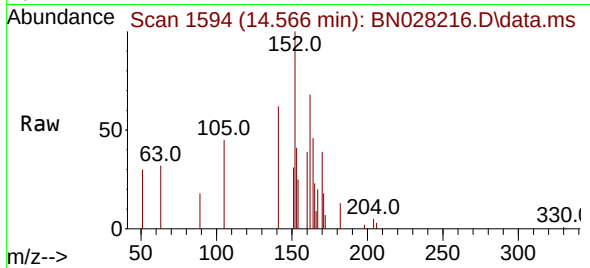
Tgt Ion:142 Resp: 3669650
Ion Ratio Lower Upper
142 100
141 87.9 70.7 106.1
115 36.4 28.6 42.8





#13
Acenaphthene-d10
Concen: 0.400 ng m
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

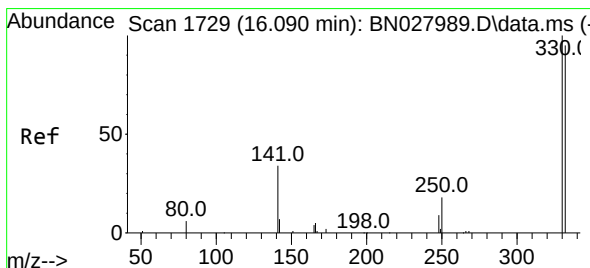
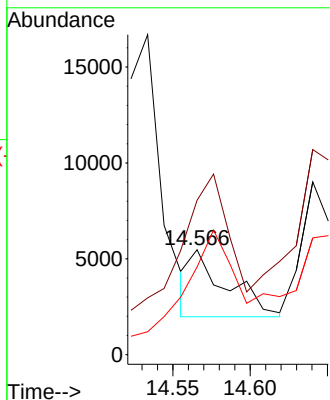
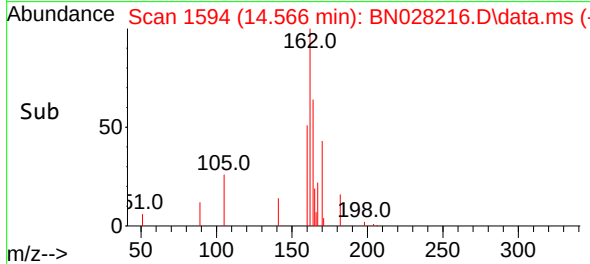
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:164 Resp: 576
Ion Ratio Lower Upper
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162 147.1 80.8 121.2
160 83.5 36.4 54.6

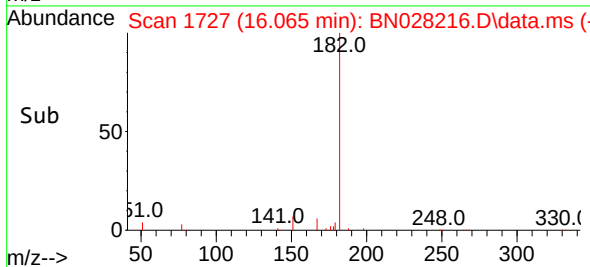
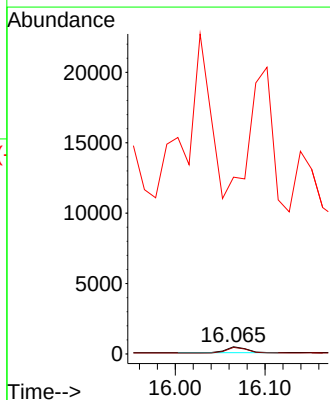
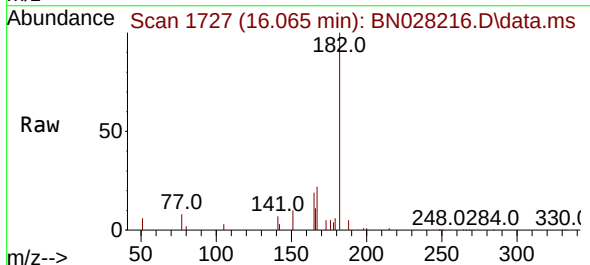
Manual Integrations
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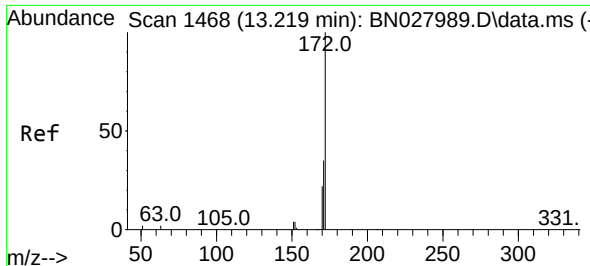
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#14
2,4,6-Tribromophenol
Concen: 0.262 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

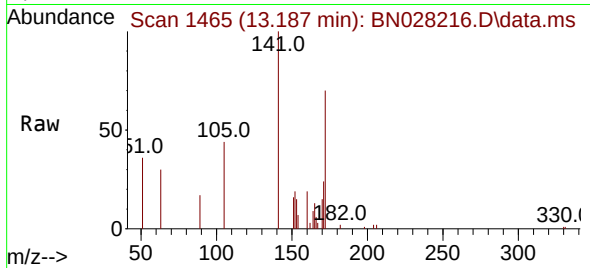
Tgt Ion:330 Resp: 691
Ion Ratio Lower Upper
330 100
332 94.2 78.1 117.1
141 0.0 33.4 50.2





#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 13.187 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

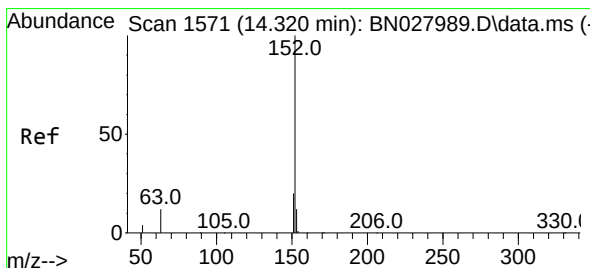
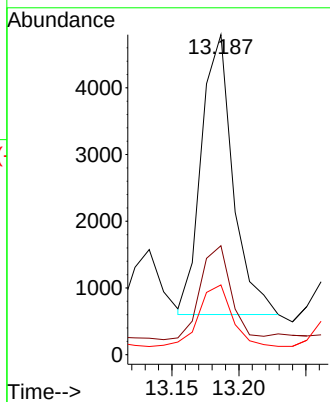
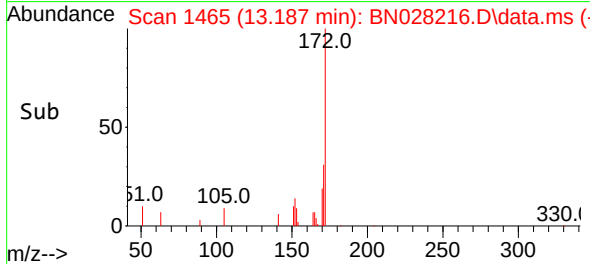
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:172 Resp: 6890
Ion Ratio Lower Upper
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171 34.1 28.1 42.1
170 21.8 18.4 27.6

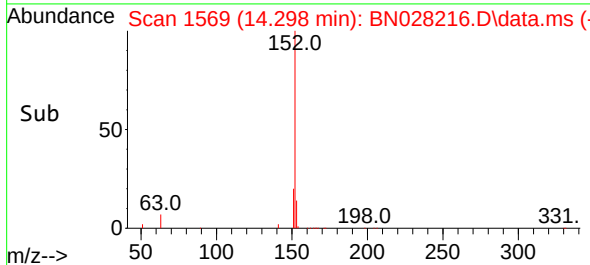
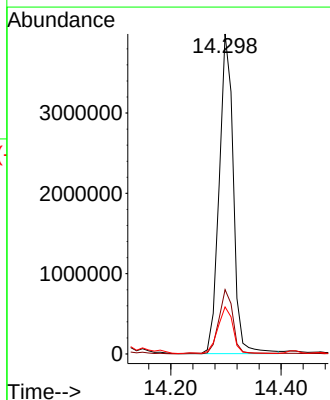
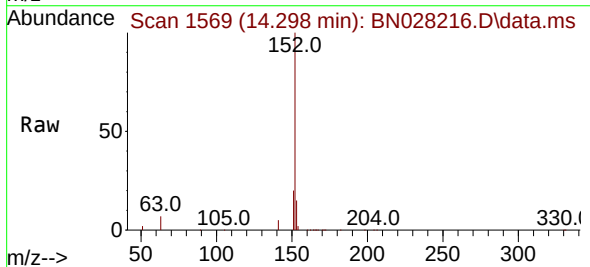
Manual Integrations
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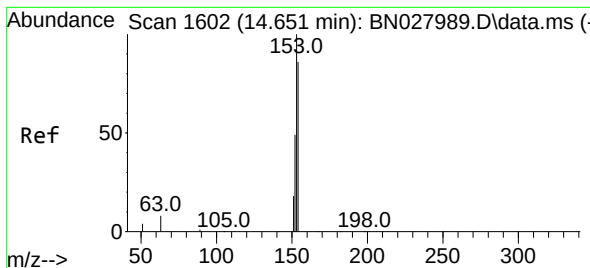
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#16
Acenaphthylene
Concen: 276.705 ng
RT: 14.298 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

Tgt Ion:152 Resp: 7062951
Ion Ratio Lower Upper
152 100
151 20.1 15.8 23.6
153 15.7 10.2 15.4#





#17

Acenaphthene

Concen: 88.708 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028216.D

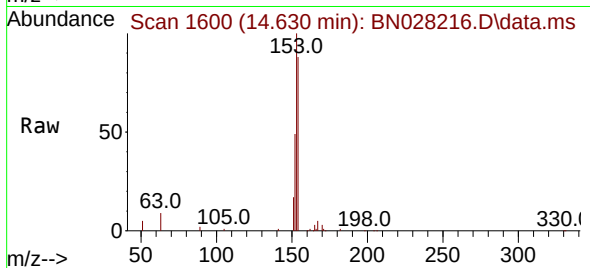
Acq: 11 Oct 2023 03:34

Instrument :

BNA_N

ClientSampleId :

R-3(10-15)



Tgt Ion:154 Resp: 1443394

Ion Ratio Lower Upper

154 100

153 117.9 90.8 136.2

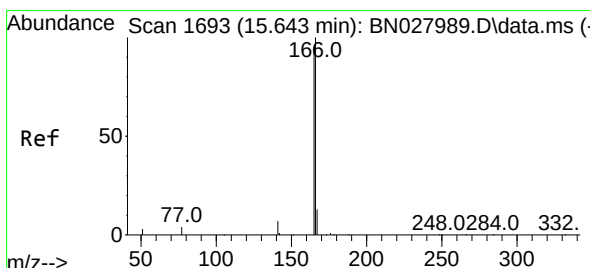
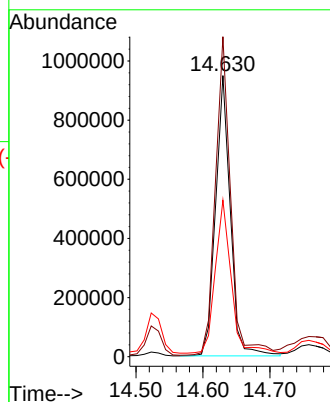
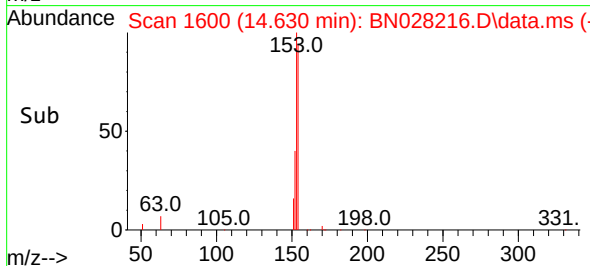
152 58.7 43.9 65.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/12/2023



#18

Fluorene

Concen: 258.642 ng m

RT: 15.618 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BN028216.D

Acq: 11 Oct 2023 03:34

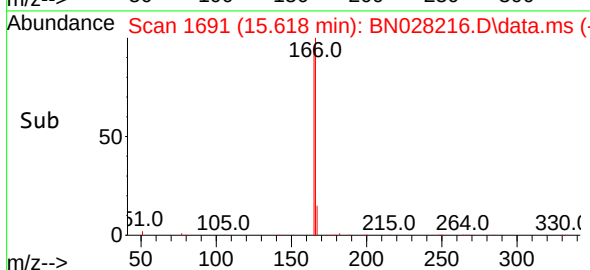
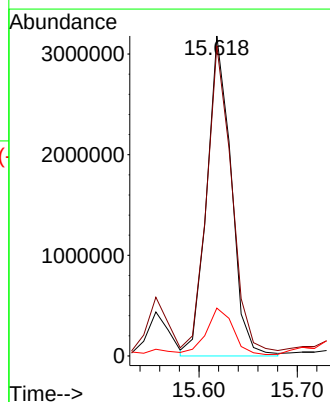
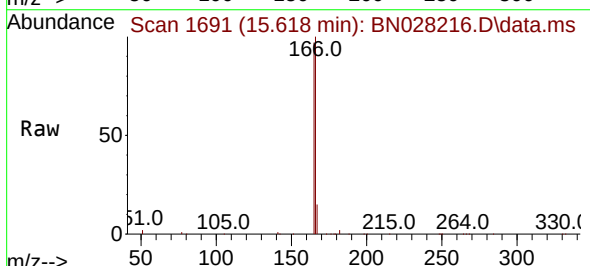
Tgt Ion:166 Resp: 5465810

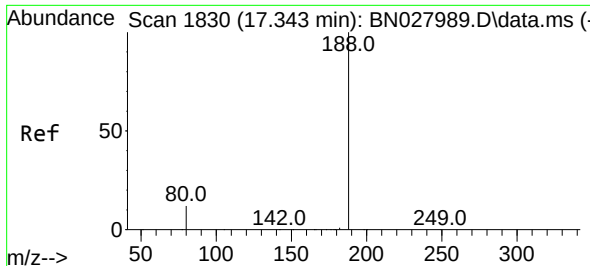
Ion Ratio Lower Upper

166 100

165 15.4 77.8 116.8#

167 1.5 10.7 16.1#





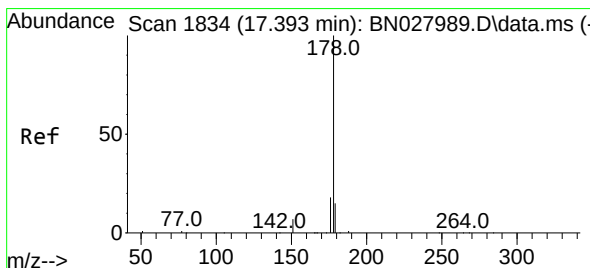
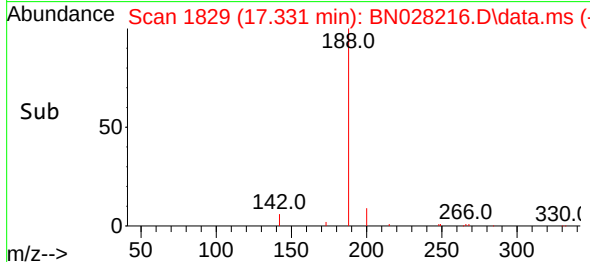
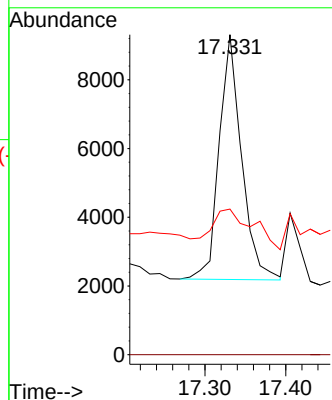
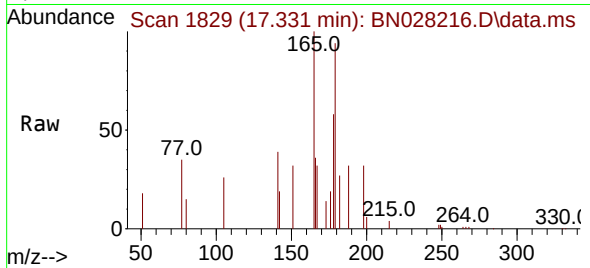
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

Instrument :
BNA_N
ClientSampleId :
R-3(10-15)

Tgt Ion:188 Resp: 1370
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 45.5 10.2 15.4

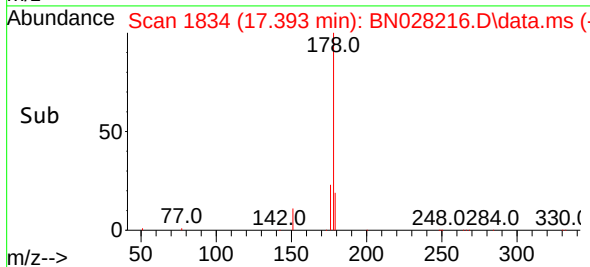
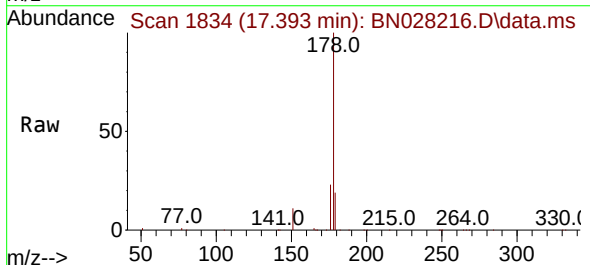
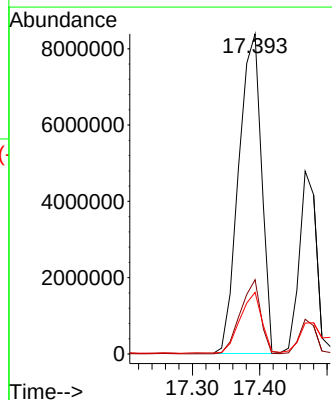
Manual Integrations
APPROVED

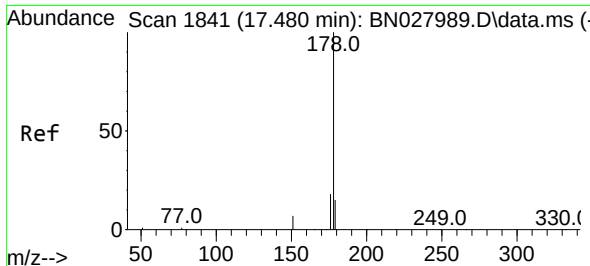
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#25
Phenanthrene
Concen: 534.374 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.025 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

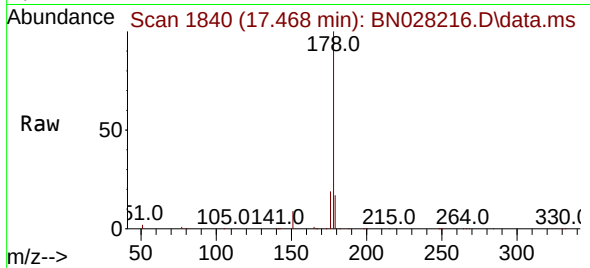
Tgt Ion:178 Resp:19741319
Ion Ratio Lower Upper
178 100
176 20.6 15.3 22.9
179 18.3 12.4 18.6





#26
 Anthracene
 Concen: 241.501 ng
 RT: 17.468 min Scan# 1840
 Delta R.T. 0.012 min
 Lab File: BN028216.D
 Acq: 11 Oct 2023 03:34

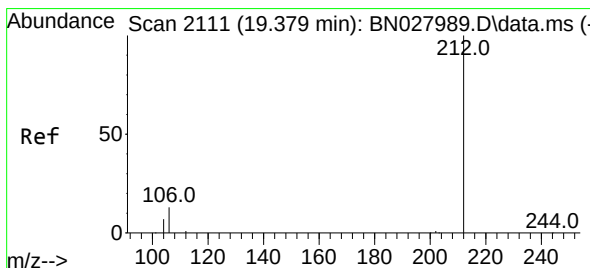
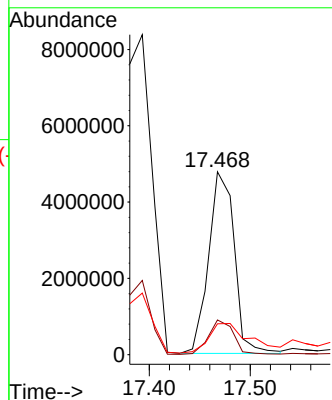
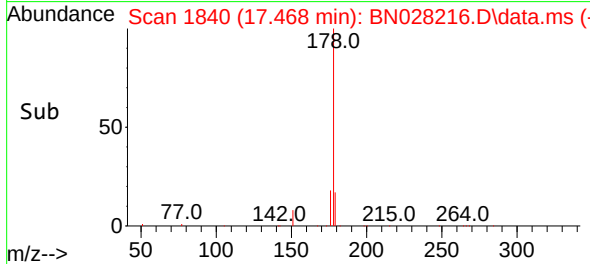
Instrument :
 BNA_N
 ClientSampleId :
 R-3(10-15)



Tgt Ion:178 Resp: 8432870
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.7 22.1
 179 26.0 12.2 18.2

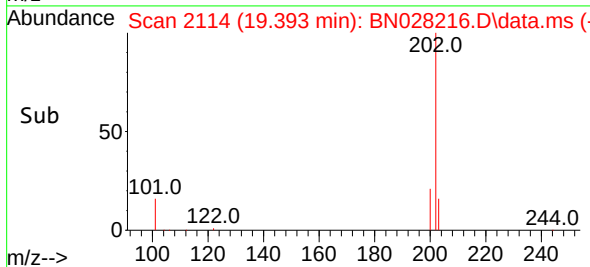
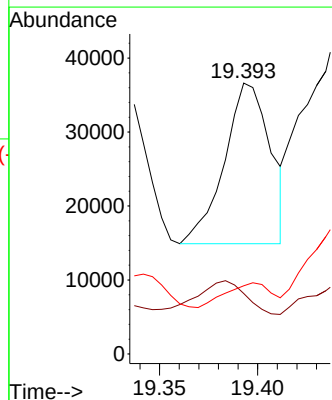
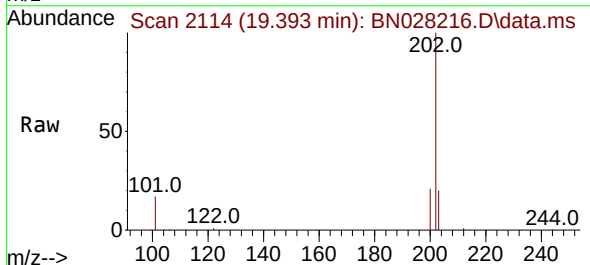
Manual Integrations
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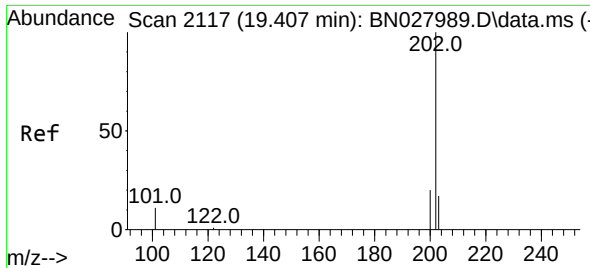
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023



#27
 Fluoranthene-d10
 Concen: 1.030 ng
 RT: 19.393 min Scan# 2114
 Delta R.T. 0.037 min
 Lab File: BN028216.D
 Acq: 11 Oct 2023 03:34

Tgt Ion:212 Resp: 35442
 Ion Ratio Lower Upper
 212 100
 106 22.7 11.3 16.9#
 104 15.1 6.4 9.6#





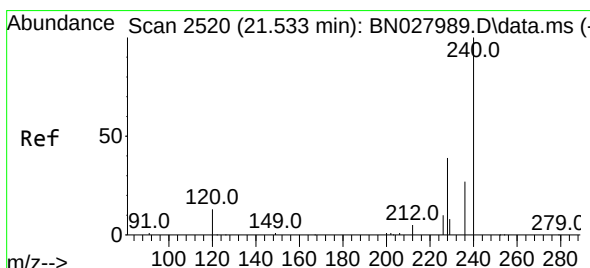
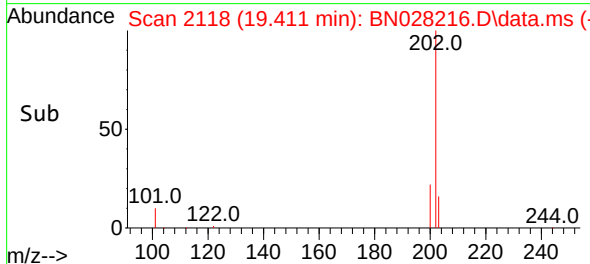
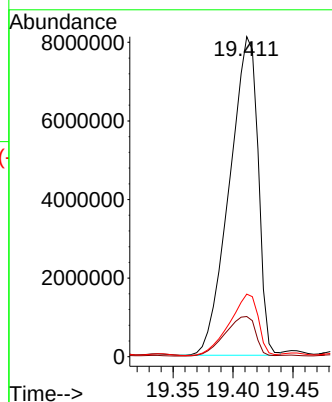
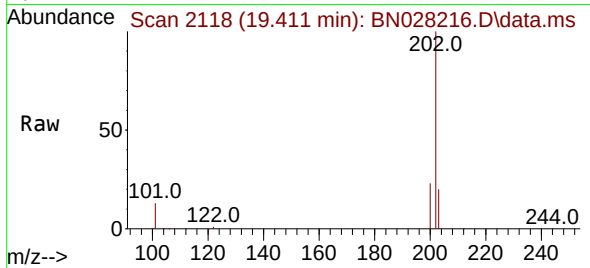
#28
Fluoranthene
Concen: 315.919 ng
RT: 19.411 min Scan# 2117
Delta R.T. 0.028 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

Instrument :
BNA_N
ClientSampleId :
R-3(10-15)

Tgt Ion:202 Resp:1346920
Ion Ratio Lower Upper
202 100
101 13.3 9.8 14.6
203 19.3 13.8 20.8

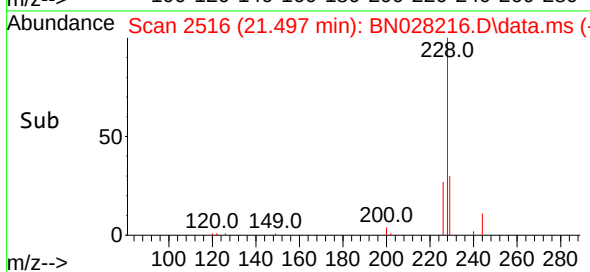
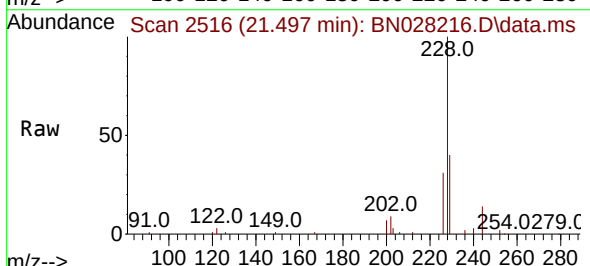
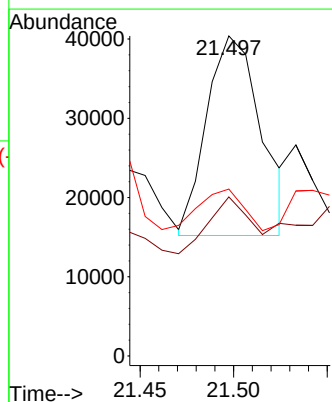
Manual Integrations
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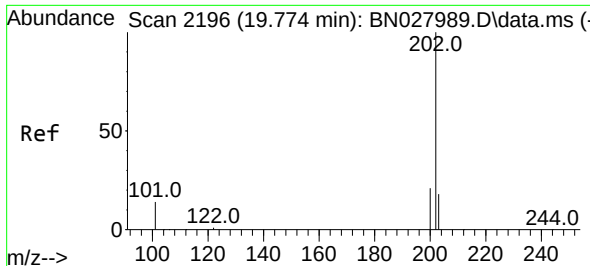
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#29
Chrysene-d12
Concen: 0.400 ng m
RT: 21.497 min Scan# 2516
Delta R.T. -0.018 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

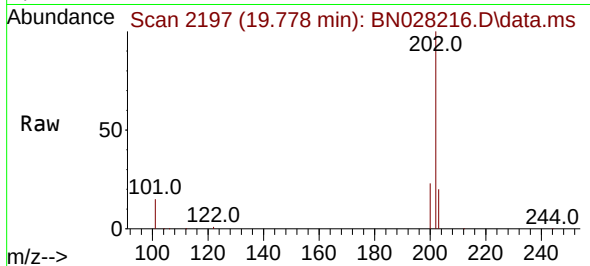
Tgt Ion:240 Resp: 50831
Ion Ratio Lower Upper
240 100
120 49.7 13.8 20.6#
236 52.2 22.6 33.8#





#30
Pyrene
Concen: 102.978 ng m
RT: 19.778 min Scan# 2196
Delta R.T. 0.028 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

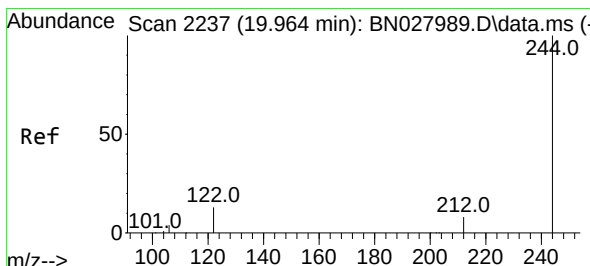
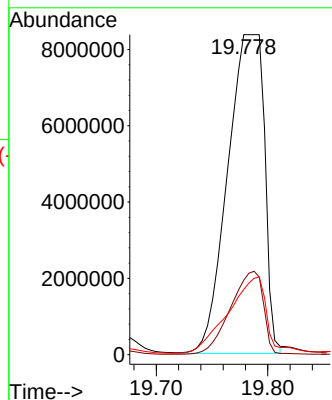
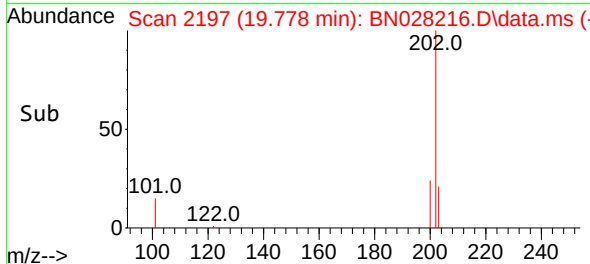
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:202 Resp:19194290
Ion Ratio Lower Upper
202 100
200 2.6 16.5 24.7#
203 2.3 14.7 22.1#

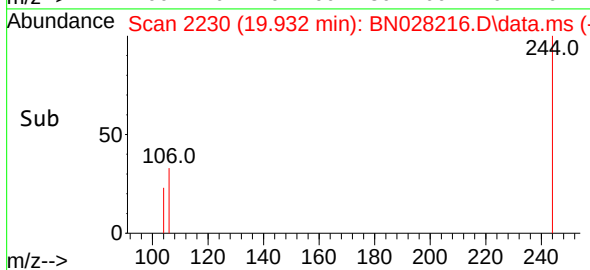
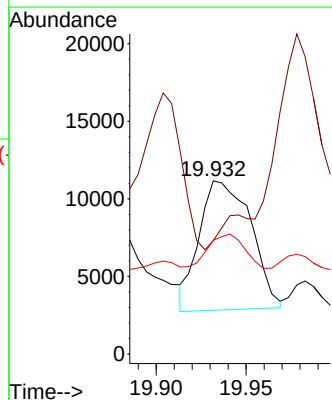
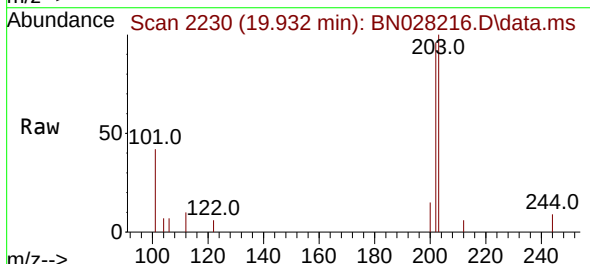
Manual Integrations
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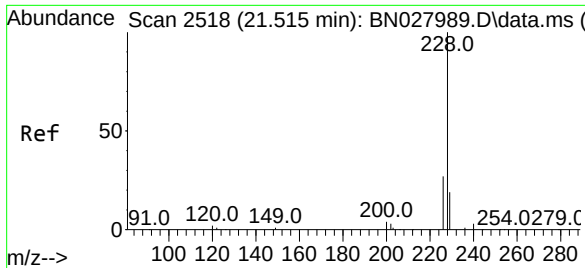
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#31
Terphenyl-d14
Concen: 0.140 ng
RT: 19.932 min Scan# 2230
Delta R.T. -0.009 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

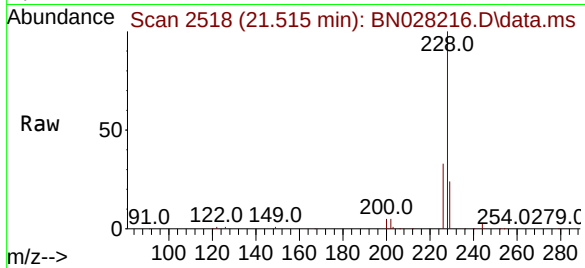
Tgt Ion:244 Resp: 16637
Ion Ratio Lower Upper
244 100
212 65.6 6.6 9.8#
122 65.7 11.4 17.0#





#32
Benzo(a)anthracene
Concen: 56.922 ng
RT: 21.515 min Scan# 2518
Delta R.T. 0.018 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

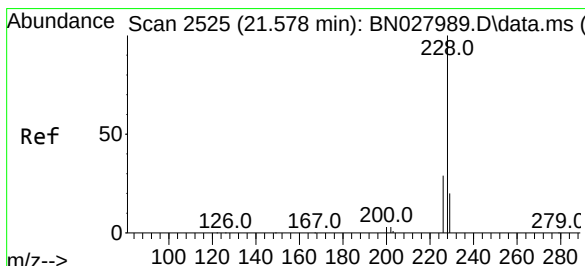
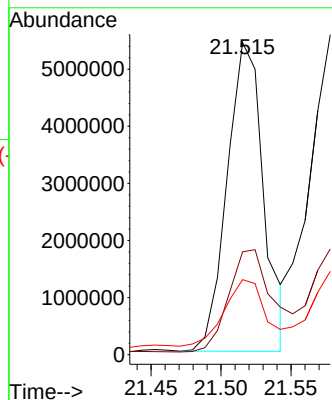
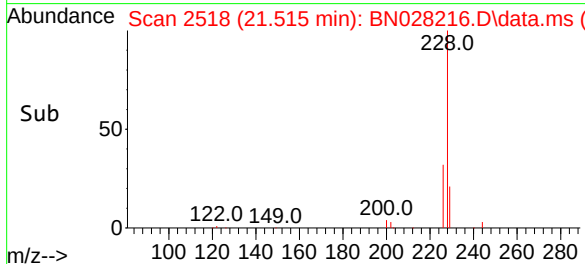
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



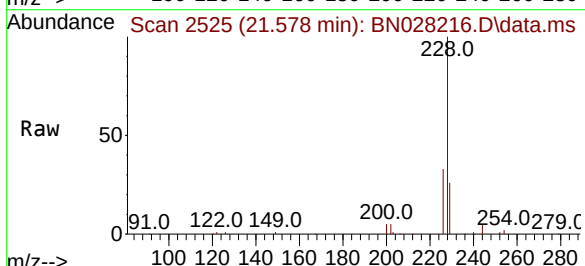
Tgt Ion:228 Resp: 9845679
Ion Ratio Lower Upper
228 100
226 33.0 22.0 33.0
229 24.0 16.0 24.0

Manual Integrations
APPROVED

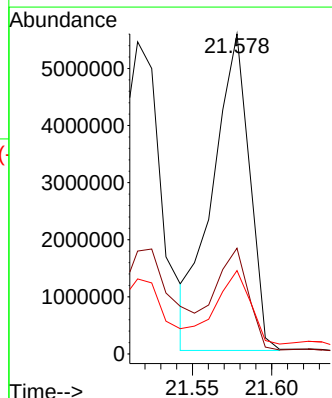
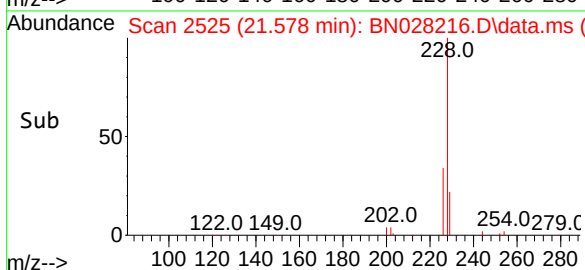
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023

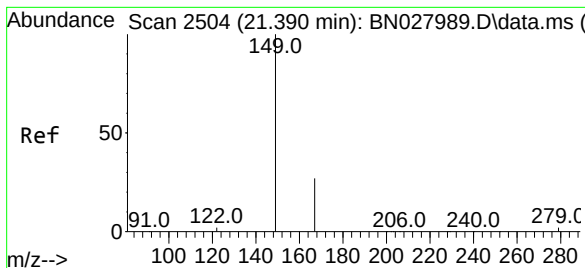


#33
Chrysene
Concen: 53.885 ng m
RT: 21.578 min Scan# 2525
Delta R.T. 0.027 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34



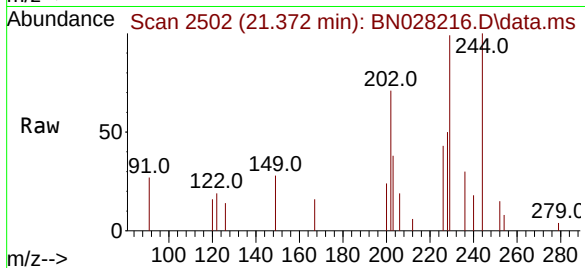
Tgt Ion:228 Resp: 8982138
Ion Ratio Lower Upper
228 100
226 33.1 23.8 35.8
229 26.1 16.6 25.0





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.126 ng
 RT: 21.372 min Scan# 2136
 Delta R.T. 0.009 min
 Lab File: BN028216.D
 Acq: 11 Oct 2023 03:34

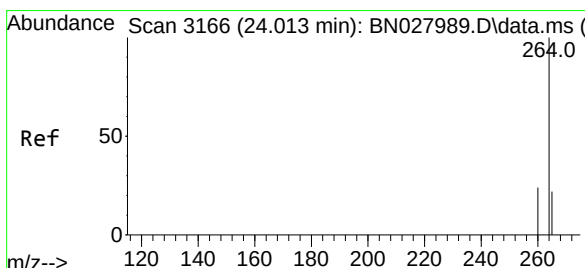
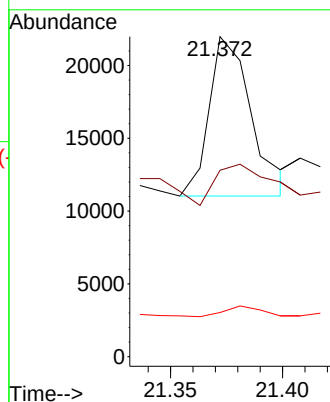
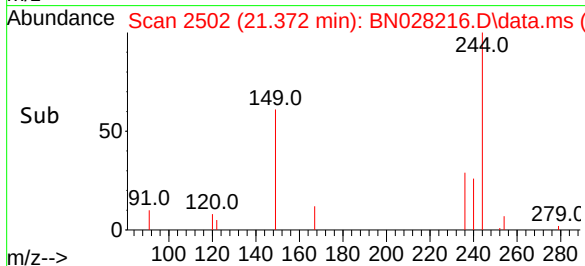
Instrument :
 BNA_N
 ClientSampleId :
 R-3(10-15)



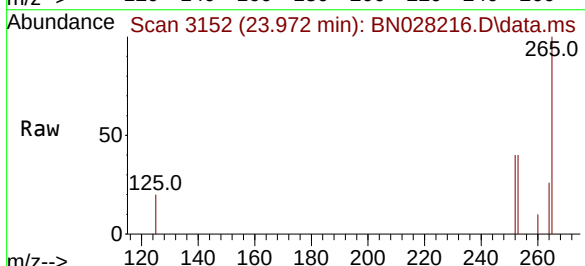
Tgt Ion:149 Resp: 14360
 Ion Ratio Lower Upper
 149 100
 167 35.8 22.1 33.1#
 279 5.7 3.4 5.0#

Manual Integrations
 APPROVED

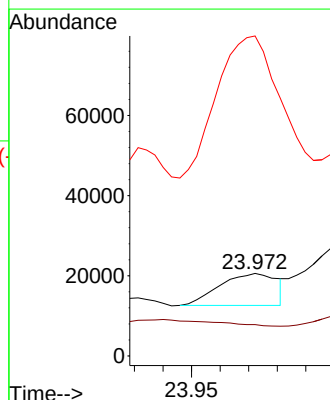
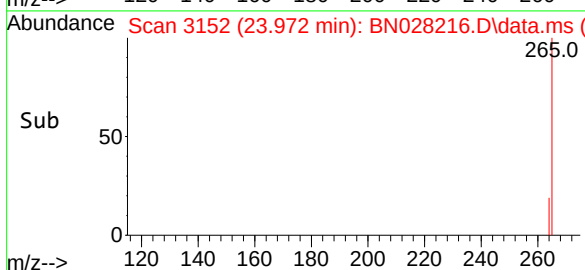
Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/12/2023

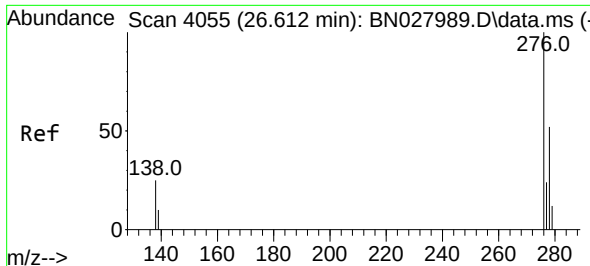


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.972 min Scan# 3152
 Delta R.T. -0.003 min
 Lab File: BN028216.D
 Acq: 11 Oct 2023 03:34



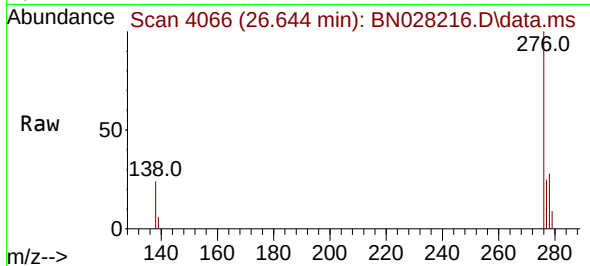
Tgt Ion:264 Resp: 11127
 Ion Ratio Lower Upper
 264 100
 260 38.0 20.2 30.4#
 265 387.6 54.8 82.2#





#36
Indeno(1,2,3-cd)pyrene
Concen: 125.465 ng
RT: 26.644 min Scan# 4055
Delta R.T. 0.088 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

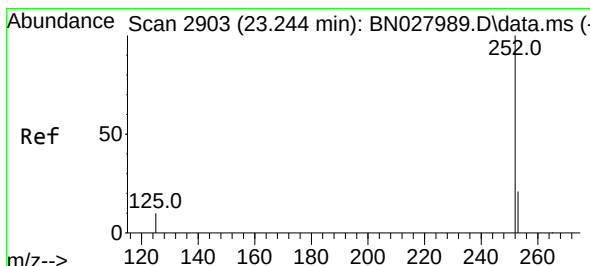
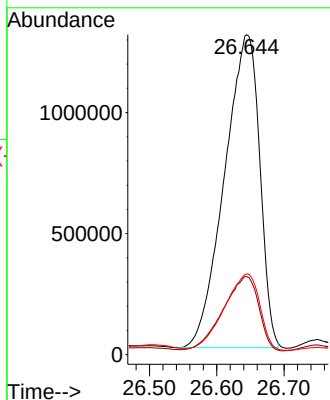
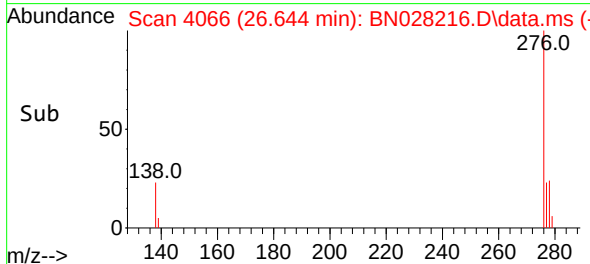
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:276 Resp: 469584
Ion Ratio Lower Upper
276 100
138 23.7 20.9 31.3
277 23.9 19.8 29.6

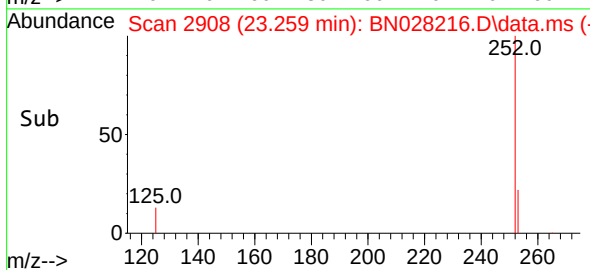
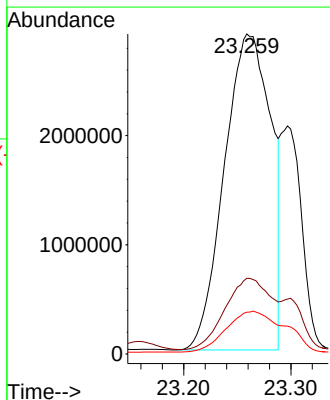
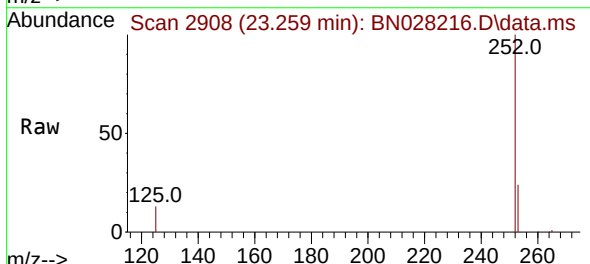
Manual Integrations
APPROVED

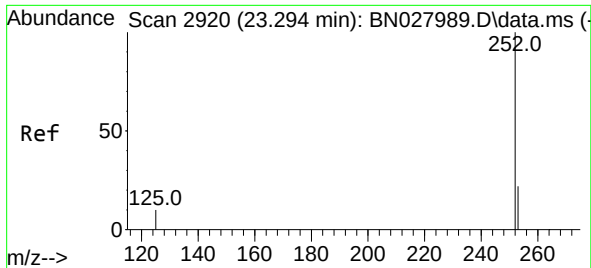
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#37
Benzo(b)fluoranthene
Concen: 242.715 ng
RT: 23.259 min Scan# 2908
Delta R.T. 0.047 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

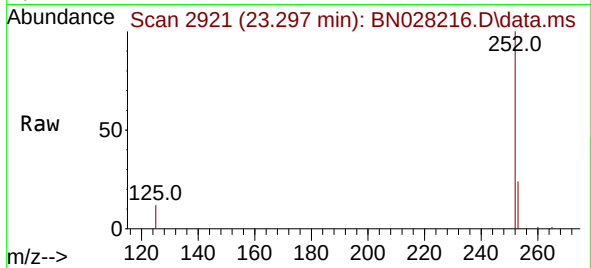
Tgt Ion:252 Resp: 8722291
Ion Ratio Lower Upper
252 100
253 23.6 22.9 34.3
125 13.1 13.8 20.8#





#38
Benzo(k)fluoranthene
Concen: 76.777 ng m
RT: 23.297 min Scan# 2920
Delta R.T. 0.035 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

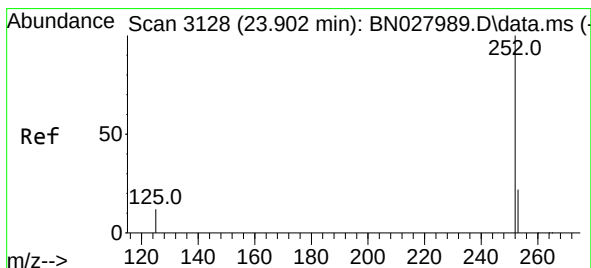
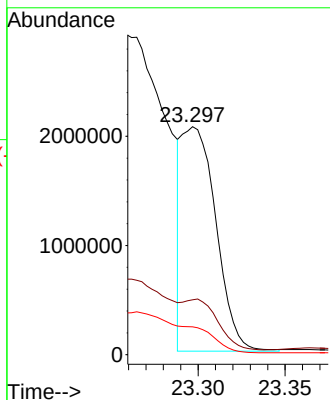
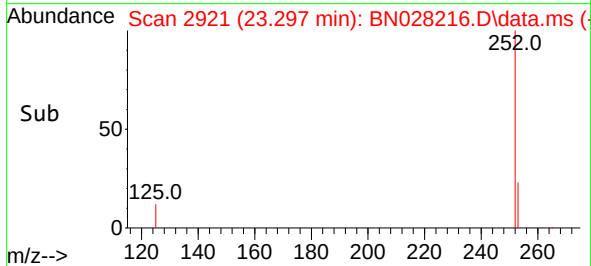
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:252 Resp: 2798490
Ion Ratio Lower Upper
252 100
253 24.1 23.1 34.7
125 12.2 13.8 20.8

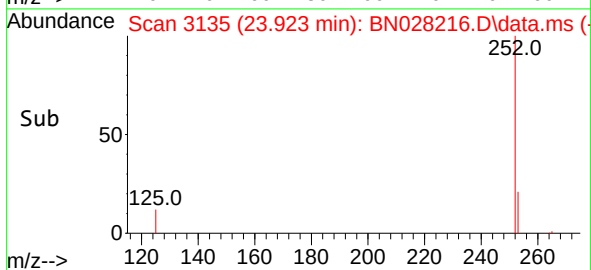
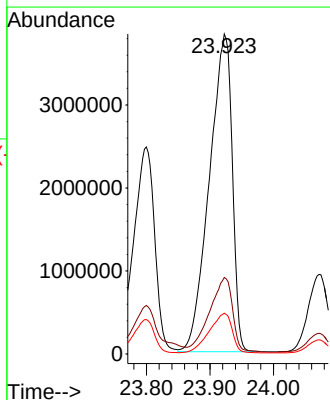
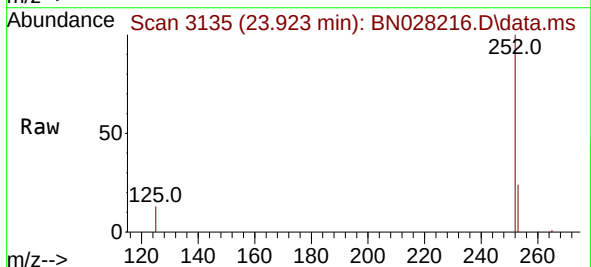
Manual Integrations
APPROVED

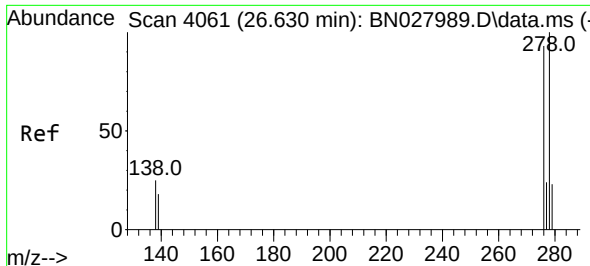
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/12/2023



#39
Benzo(a)pyrene
Concen: 282.069 ng
RT: 23.923 min Scan# 3135
Delta R.T. 0.058 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

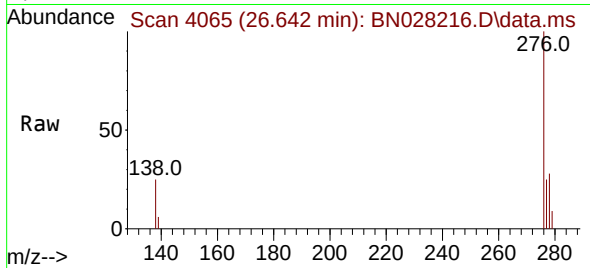
Tgt Ion:252 Resp: 9584812
Ion Ratio Lower Upper
252 100
253 23.9 25.0 37.4#
125 12.7 16.6 24.8#





#40
Dibenzo(a,h)anthracene
Concen: 48.838 ng
RT: 26.642 min Scan# 4065
Delta R.T. 0.064 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

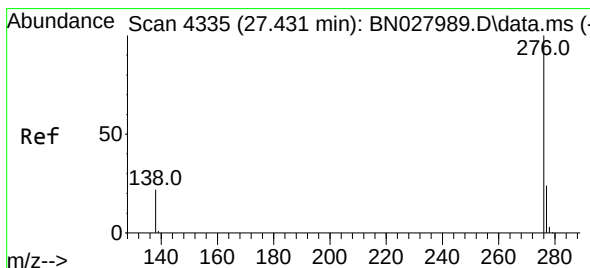
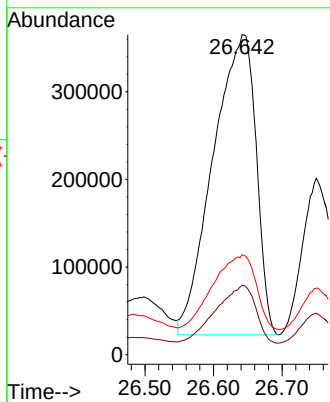
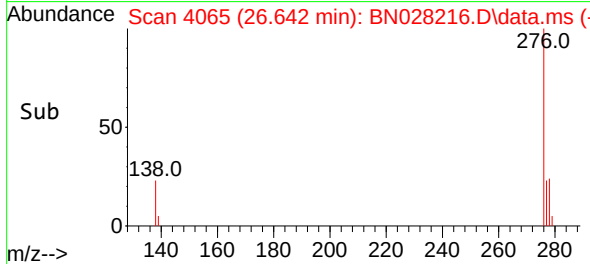
Instrument :
BNA_N
ClientSampleId :
R-3(10-15)



Tgt Ion:278 Resp: 1495300
Ion Ratio Lower Upper
278 100
139 21.6 17.7 26.5
279 31.2 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: 168.351 ng
RT: 27.481 min Scan# 4352
Delta R.T. 0.114 min
Lab File: BN028216.D
Acq: 11 Oct 2023 03:34

Tgt Ion:276 Resp: 5290765
Ion Ratio Lower Upper
276 100
277 25.2 22.1 33.1
138 24.6 20.8 31.2

