

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022724\
 Data File : BN030089.D
 Acq On : 27 Feb 2024 12:16
 Operator : MA/JU
 Sample : P1578-05DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20240222DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024

Quant Time: Feb 28 00:18:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 02:39:45 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	2959	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	7680	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	3440	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	7226	0.400	ng	# 0.00
29) Chrysene-d12	21.456	240	5501	0.400	ng	0.00
35) Perylene-d12	23.818	264	5264	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	557	0.078	ng	0.00
5) Phenol-d6	7.038	99	275	0.034	ng	0.01
8) Nitrobenzene-d5	9.035	82	1248	0.195	ng	0.02
11) 2-Methylnaphthalene-d10	12.253	152	1868	0.179	ng	0.00
14) 2,4,6-Tribromophenol	16.014	330	222	0.201	ng	0.01
15) 2-Fluorobiphenyl	13.132	172	2679	0.181	ng	0.01
27) Fluoranthene-d10	19.290	212	4311	0.246	ng	0.00
31) Terphenyl-d14	19.898	244	3183	0.233	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.348	88	10845	2.603	ng	# 93
25) Phenanthrene	17.293	178	1555	0.073	ng	99
26) Anthracene	17.392	178	1157	0.064	ng	98
28) Fluoranthene	19.317	202	4433	0.184	ng	99
30) Pyrene	19.680	202	4347	0.172	ng	99
32) Benzo(a)anthracene	21.438	228	3034	0.161	ng	95
33) Chrysene	21.492	228	5348	0.250	ng	99
34) Bis(2-ethylhexyl)phtha...	21.376	149	636	0.050	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.297	276	4807m	0.227	ng	
37) Benzo(b)fluoranthene	23.101	252	3983	0.212	ng	# 82
38) Benzo(k)fluoranthene	23.151	252	4423	0.224	ng	# 80
39) Benzo(a)pyrene	23.721	252	2773	0.169	ng	# 52
40) Dibenzo(a,h)anthracene	26.317	278	3833m	0.227	ng	
41) Benzo(g,h,i)perylene	27.013	276	4177	0.204	ng	91

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

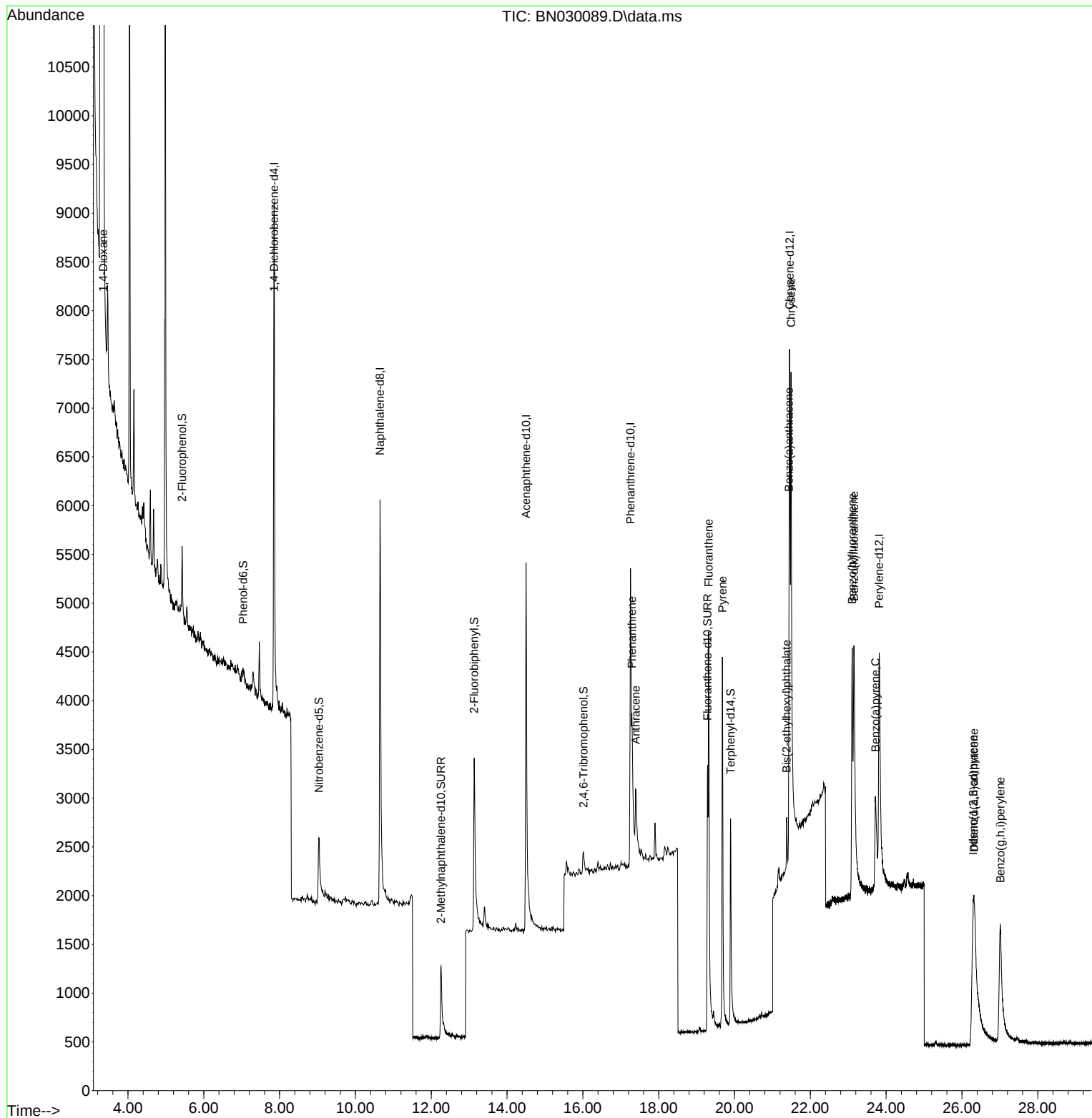
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022724\
Data File : BN030089.D
Acq On : 27 Feb 2024 12:16
Operator : MA/JU
Sample : P1578-05DL 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

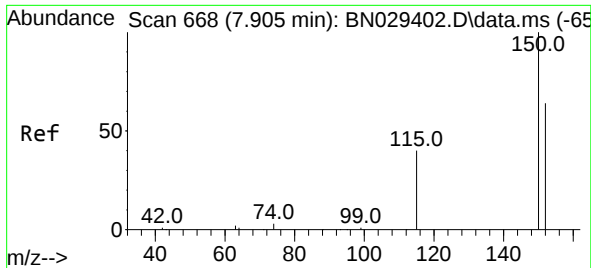
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL

Quant Time: Feb 28 00:18:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 02:39:45 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

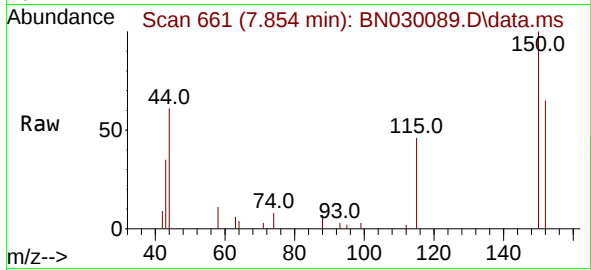
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 60
 Delta R.T. 0.000 min
 Lab File: BN030089.D
 Acq: 27 Feb 2024 12:16

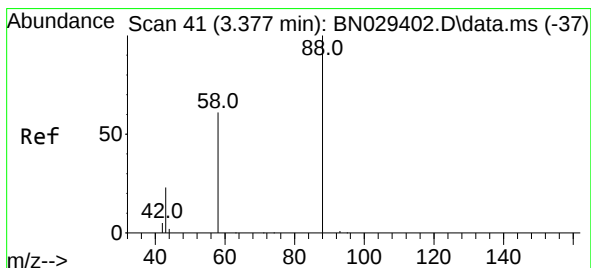
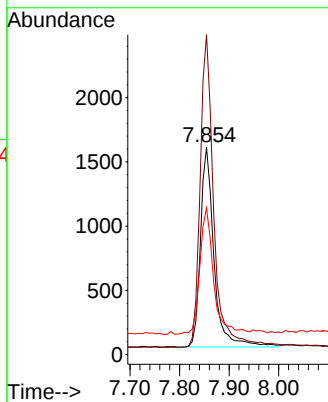
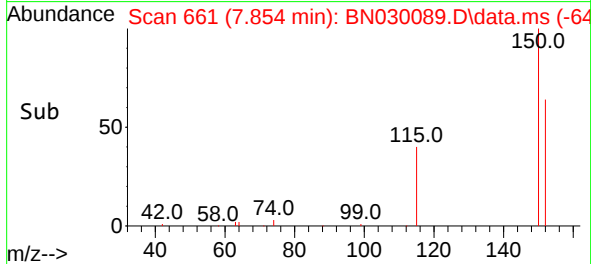
Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20240222DL



Tgt Ion: 152 Resp: 295
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.0 184.4
 115 70.7 51.4 77.0

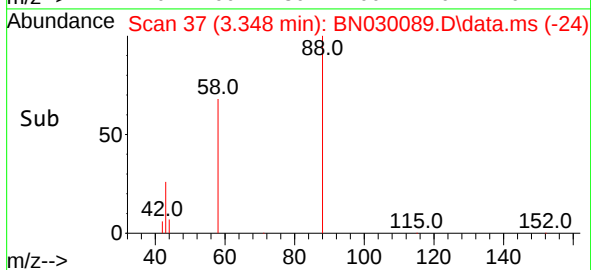
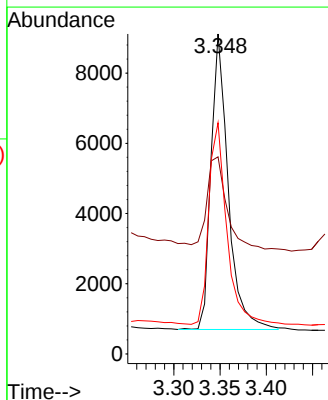
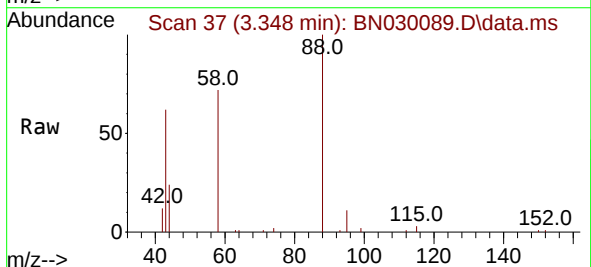
Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024



#2
 1,4-Dioxane
 Concen: 2.603 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030089.D
 Acq: 27 Feb 2024 12:16

Tgt Ion: 88 Resp: 10845
 Ion Ratio Lower Upper
 88 100
 43 35.6 23.3 34.9#
 58 71.4 53.8 80.6





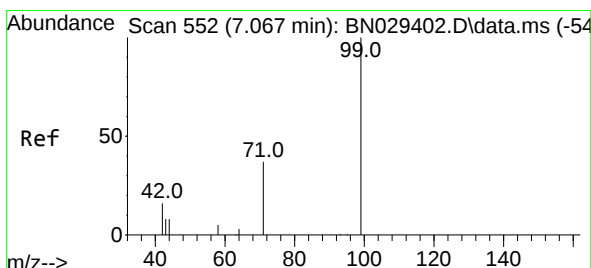
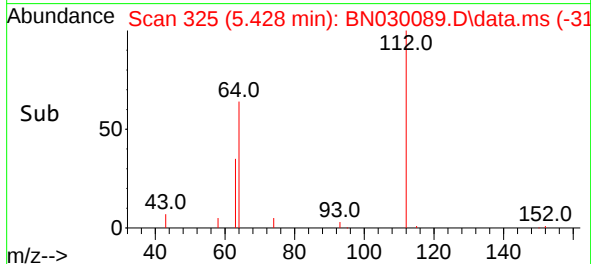
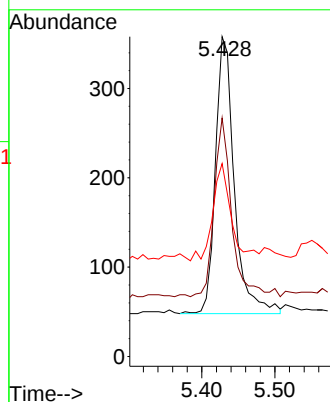
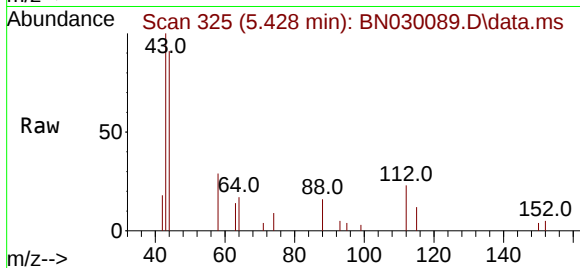
#4
2-Fluorophenol
Concen: 0.078 ng
RT: 5.428 min Scan# 311
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL

Tgt Ion:112 Resp: 55
Ion Ratio Lower Upper
112 100
64 60.1 47.2 70.8
63 32.9 25.8 38.6

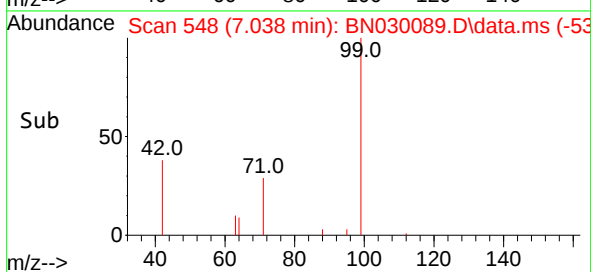
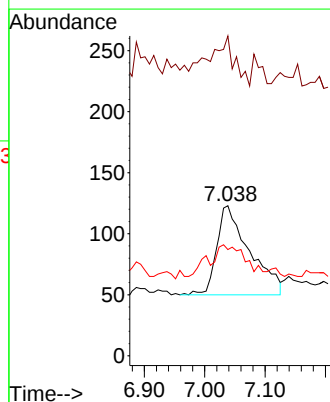
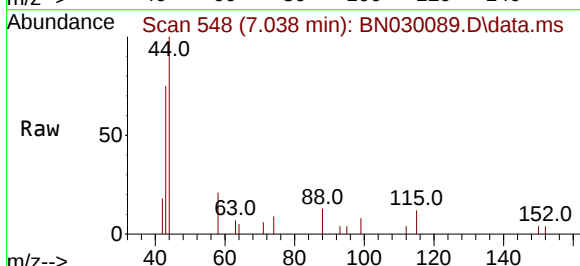
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#5
Phenol-d6
Concen: 0.034 ng
RT: 7.038 min Scan# 548
Delta R.T. 0.015 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

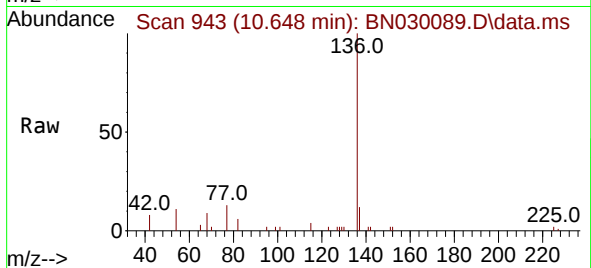
Tgt Ion: 99 Resp: 275
Ion Ratio Lower Upper
99 100
42 45.8 16.9 25.3#
71 32.0 30.0 45.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

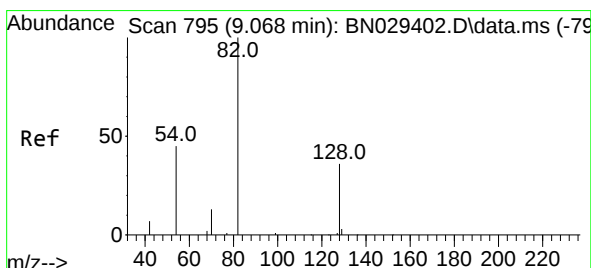
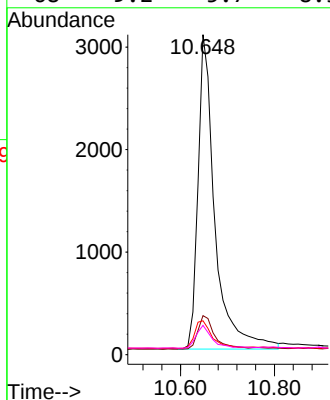
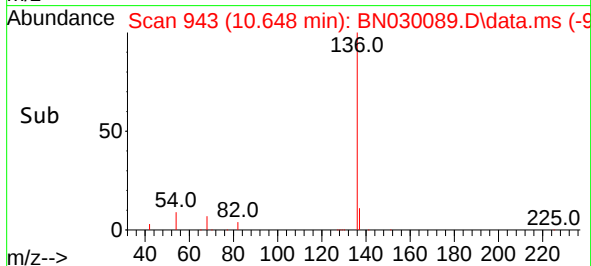
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



Tgt Ion:	136	Resp:	7680
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	10.6	6.6	10.0
68	9.2	5.7	8.5

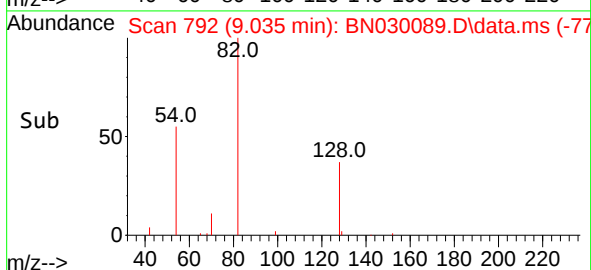
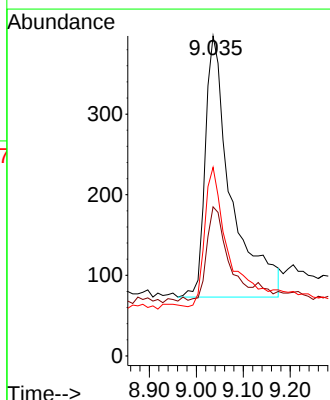
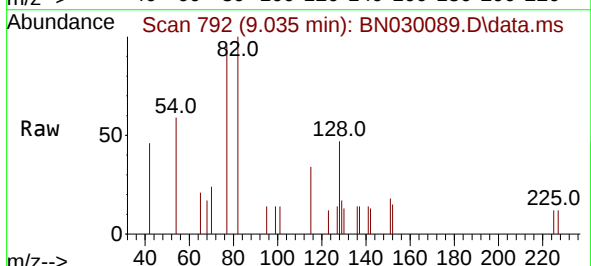
Manual Integrations
APPROVED

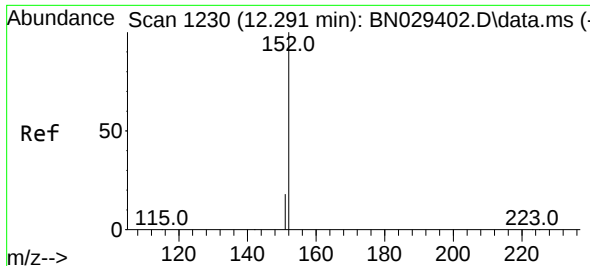
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#8
Nitrobenzene-d5
Concen: 0.195 ng
RT: 9.035 min Scan# 792
Delta R.T. 0.022 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

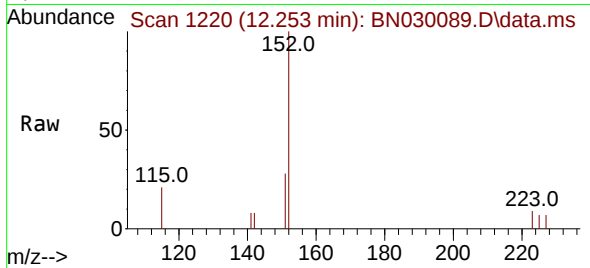
Tgt Ion:	82	Resp:	1248
Ion	Ratio	Lower	Upper
82	100		
128	46.6	31.6	47.4
54	58.9	38.2	57.4





#11
2-Methylnaphthalene-d10
Concen: 0.179 ng
RT: 12.253 min Scan# 11
Delta R.T. 0.008 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

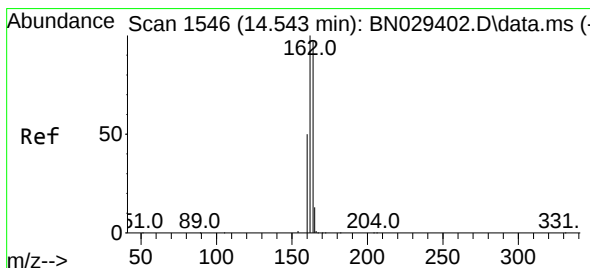
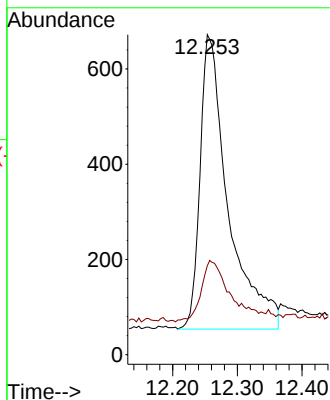
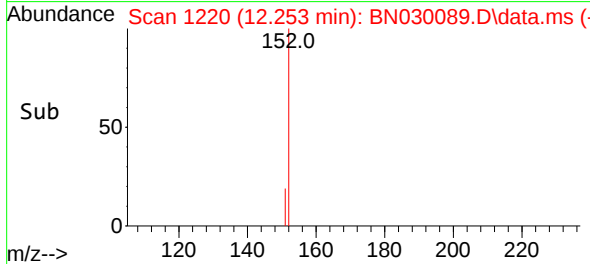
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



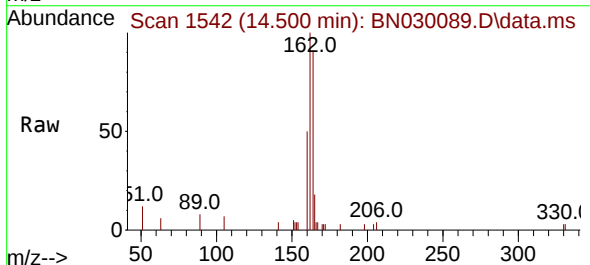
Tgt Ion:152 Resp: 186
Ion Ratio Lower Upper
152 100
151 21.7 17.1 25.7

Manual Integrations
APPROVED

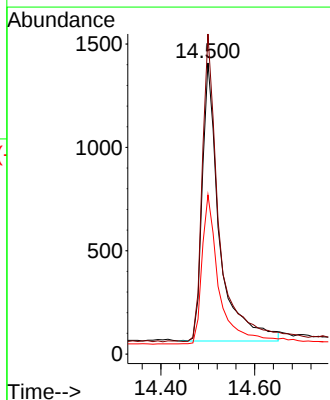
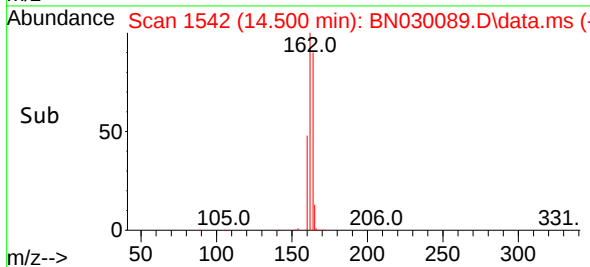
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024

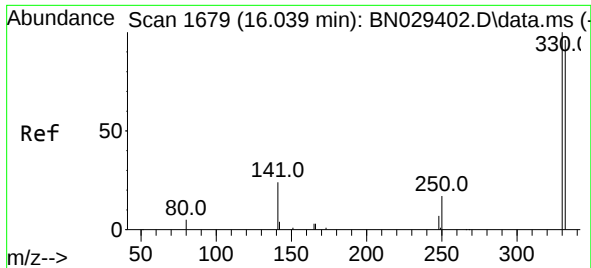


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16



Tgt Ion:164 Resp: 3440
Ion Ratio Lower Upper
164 100
162 109.9 82.6 123.8
160 54.6 41.5 62.3





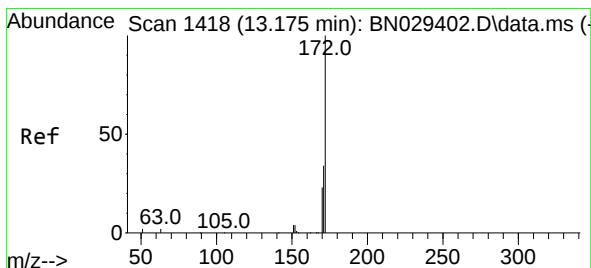
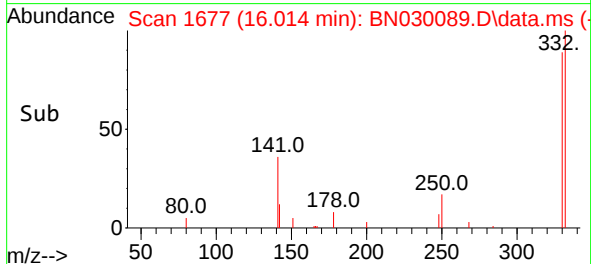
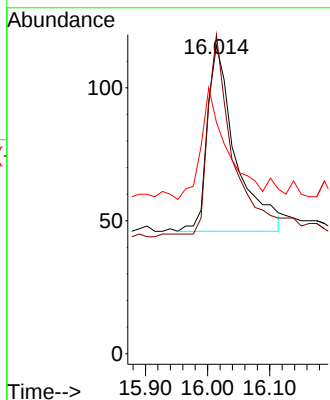
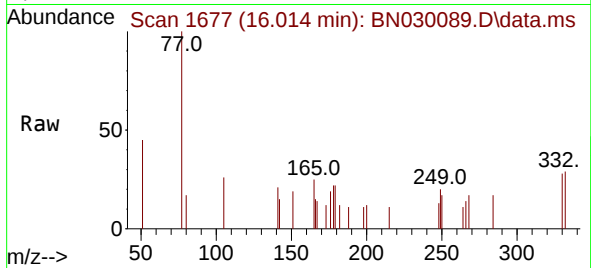
#14
2,4,6-Tribromophenol
Concen: 0.201 ng
RT: 16.014 min Scan# 1677
Delta R.T. 0.013 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL

Tgt Ion:330 Resp: 222
Ion Ratio Lower Upper
330 100
332 92.8 76.0 114.0
141 55.4 43.4 65.2

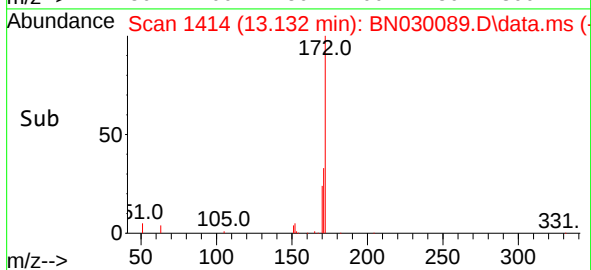
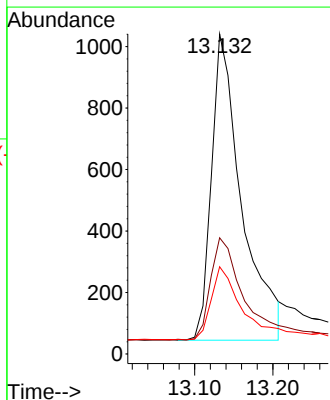
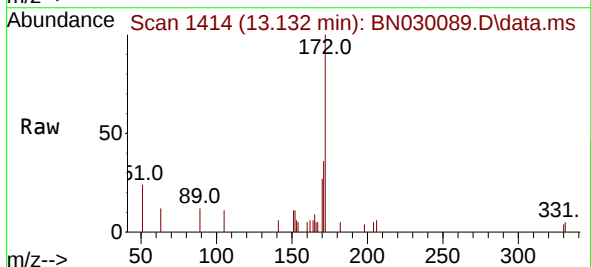
Manual Integrations
APPROVED

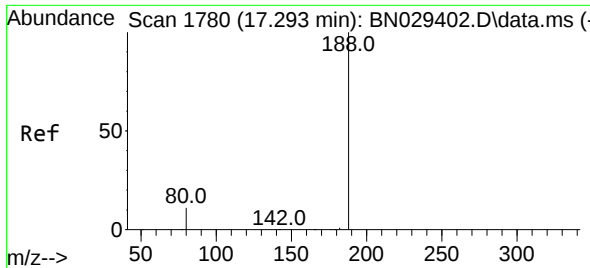
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.132 min Scan# 1414
Delta R.T. 0.011 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

Tgt Ion:172 Resp: 2679
Ion Ratio Lower Upper
172 100
171 36.3 28.0 42.0
170 27.3 18.7 28.1





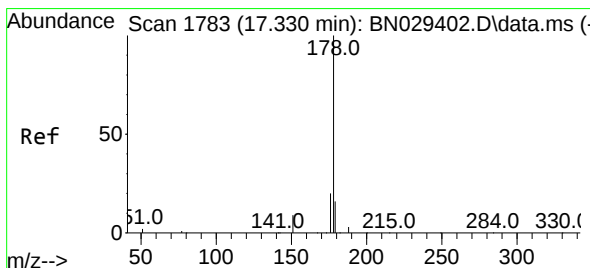
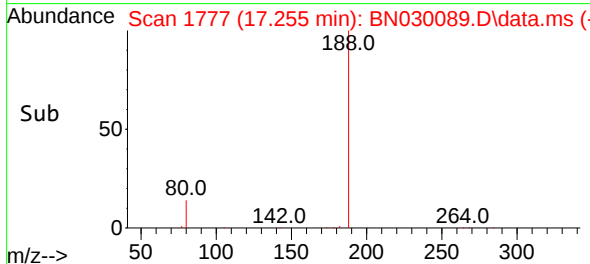
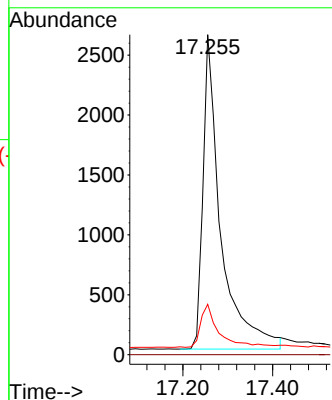
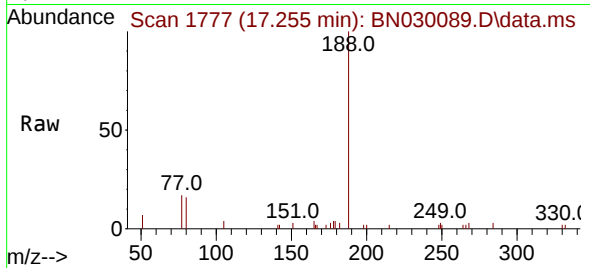
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.255 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL

Tgt Ion:188 Resp: 7220
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.8 10.0 15.0

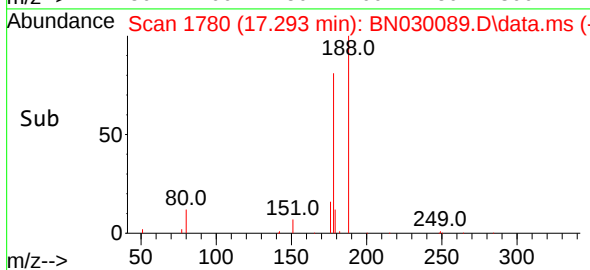
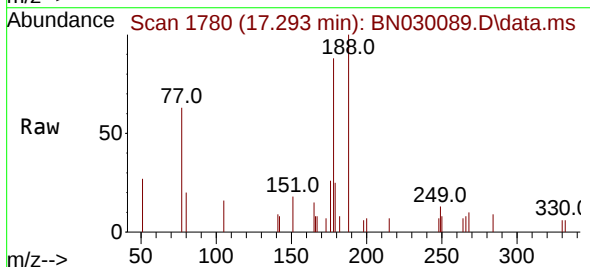
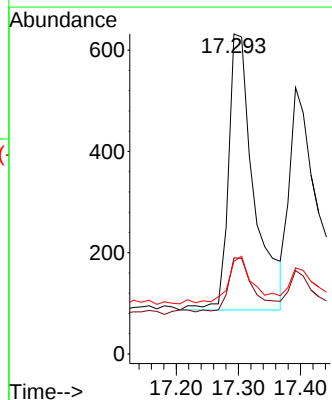
Manual Integrations
APPROVED

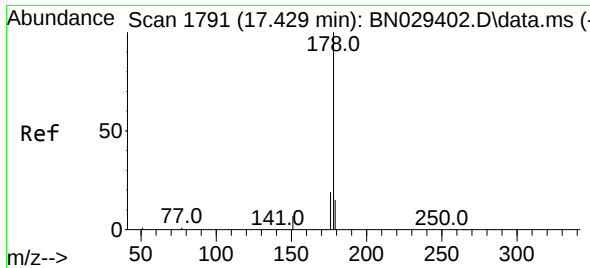
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#25
Phenanthrene
Concen: 0.073 ng
RT: 17.293 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

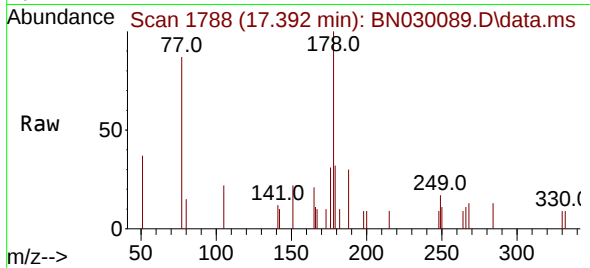
Tgt Ion:178 Resp: 1555
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 16.3 12.6 19.0





#26
 Anthracene
 Concen: 0.064 ng
 RT: 17.392 min Scan# 115
 Delta R.T. 0.000 min
 Lab File: BN030089.D
 Acq: 27 Feb 2024 12:16

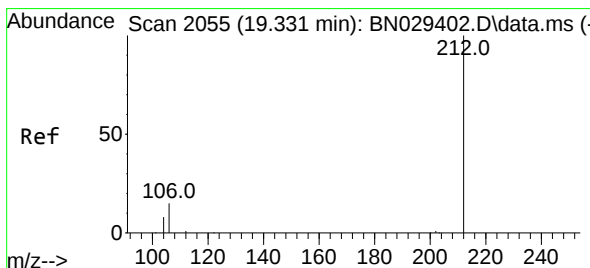
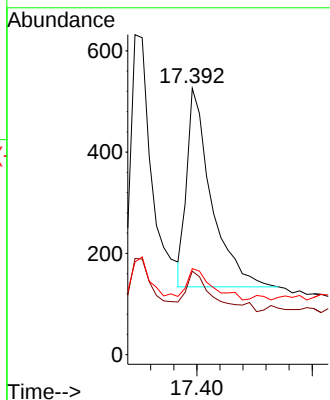
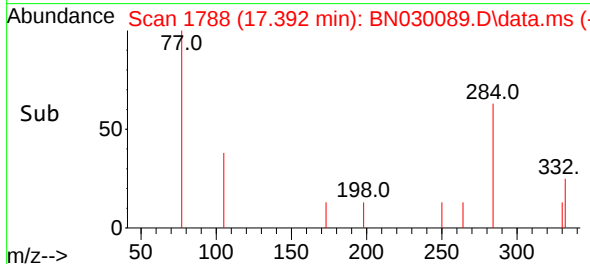
Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20240222DL



Tgt Ion:178 Resp: 115
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.4
 179 14.5 12.3 18.5

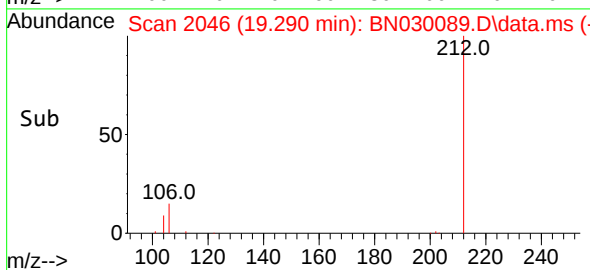
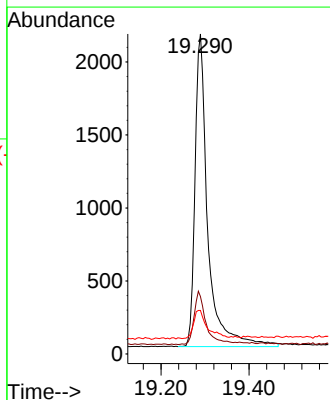
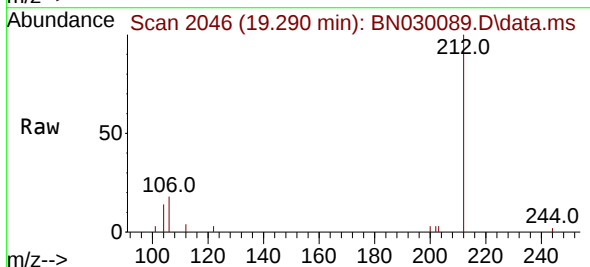
Manual Integrations
 APPROVED

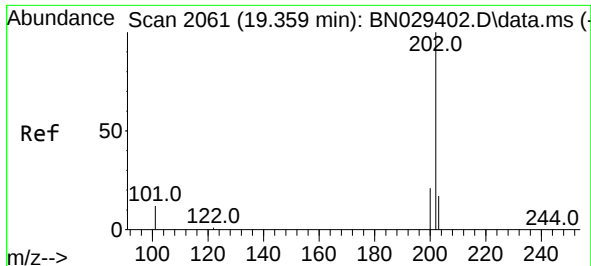
Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024



#27
 Fluoranthene-d10
 Concen: 0.246 ng
 RT: 19.290 min Scan# 2046
 Delta R.T. 0.000 min
 Lab File: BN030089.D
 Acq: 27 Feb 2024 12:16

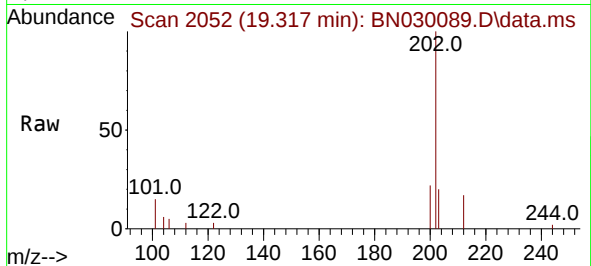
Tgt Ion:212 Resp: 4311
 Ion Ratio Lower Upper
 212 100
 106 15.8 13.2 19.8
 104 9.8 7.7 11.5





#28
Fluoranthene
Concen: 0.184 ng
RT: 19.317 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

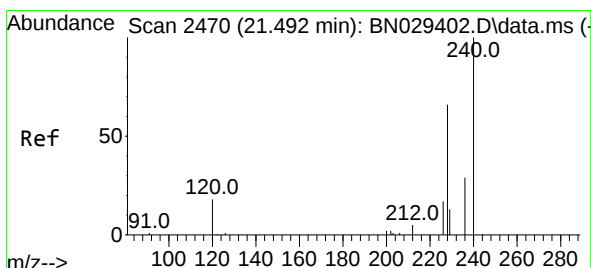
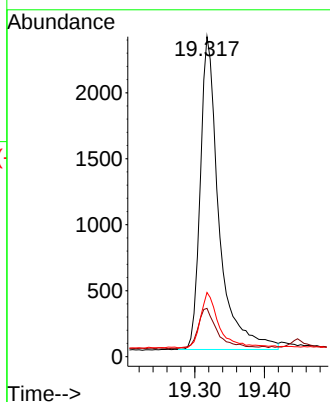
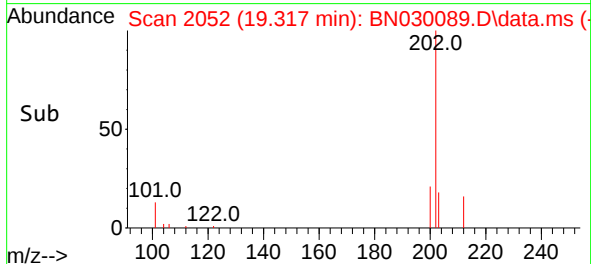
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



Tgt Ion:202 Resp: 443
Ion Ratio Lower Upper
202 100
101 13.2 10.5 15.7
203 17.3 13.5 20.3

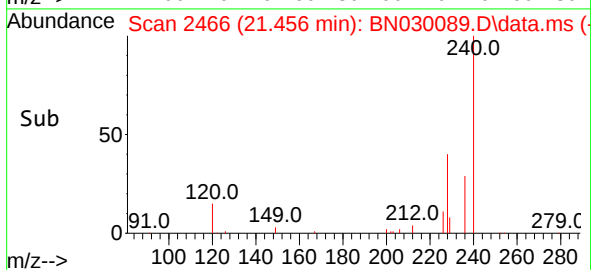
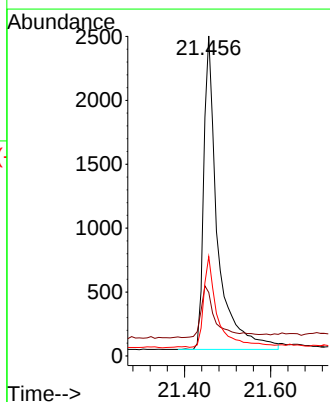
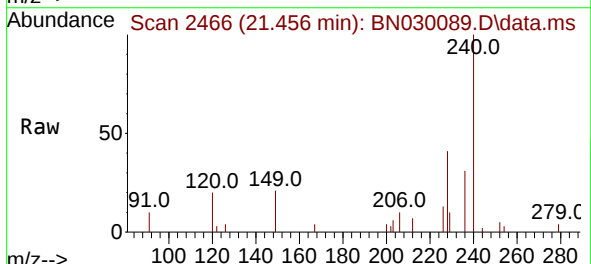
Manual Integrations
APPROVED

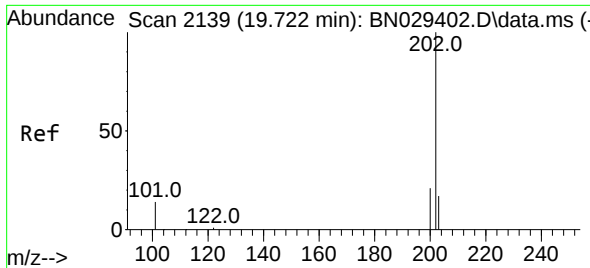
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.456 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

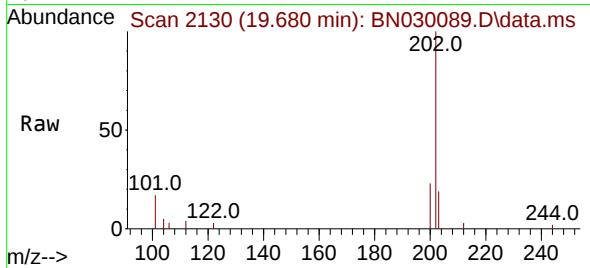
Tgt Ion:240 Resp: 5501
Ion Ratio Lower Upper
240 100
120 19.8 16.7 25.1
236 31.1 23.9 35.9





#30
Pyrene
Concen: 0.172 ng
RT: 19.680 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

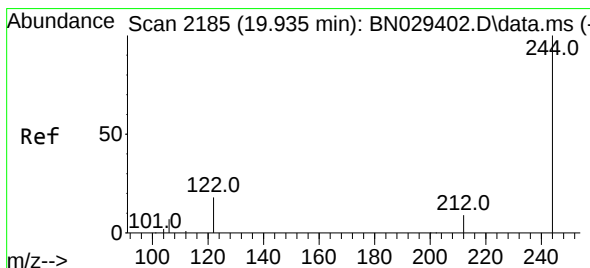
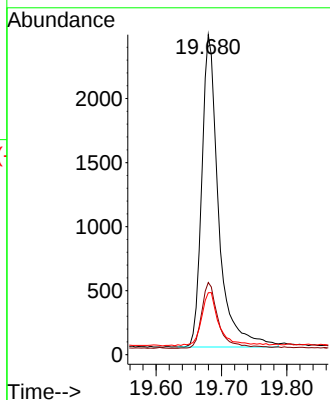
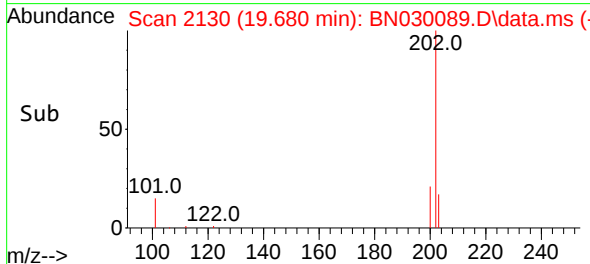
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



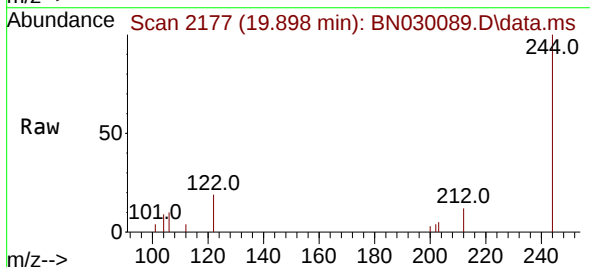
Tgt Ion:202 Resp: 434
Ion Ratio Lower Upper
202 100
200 20.5 16.6 25.0
203 17.3 14.2 21.4

Manual Integrations
APPROVED

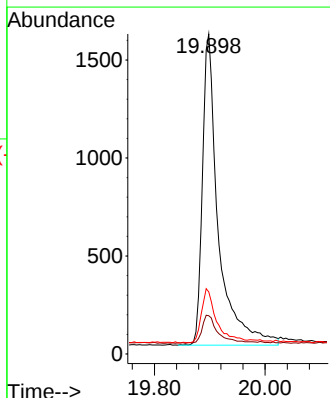
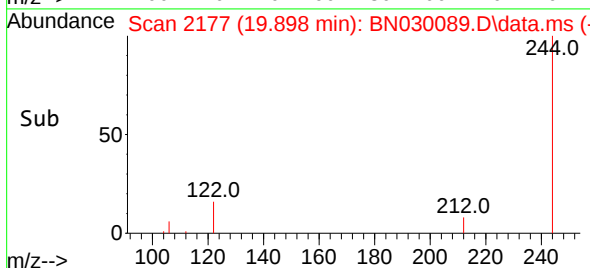
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024

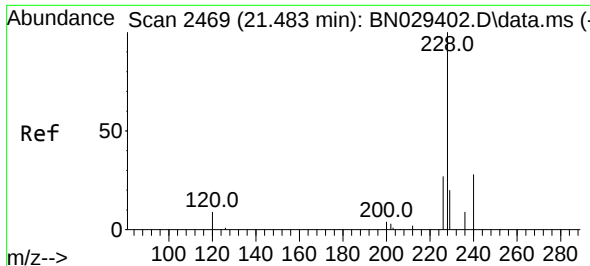


#31
Terphenyl-d14
Concen: 0.233 ng
RT: 19.898 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16



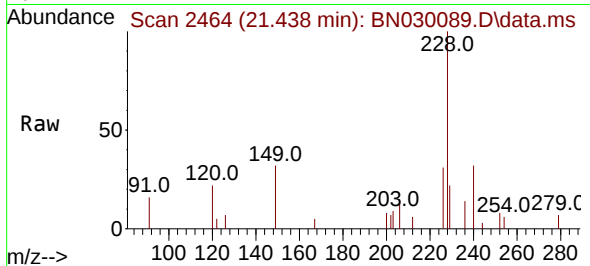
Tgt Ion:244 Resp: 3183
Ion Ratio Lower Upper
244 100
212 11.9 8.2 12.4
122 19.4 15.6 23.4





#32
Benzo(a)anthracene
Concen: 0.161 ng
RT: 21.438 min Scan# 2464
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

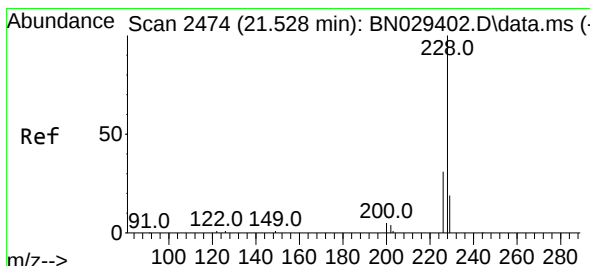
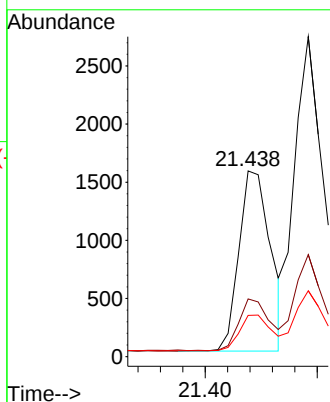
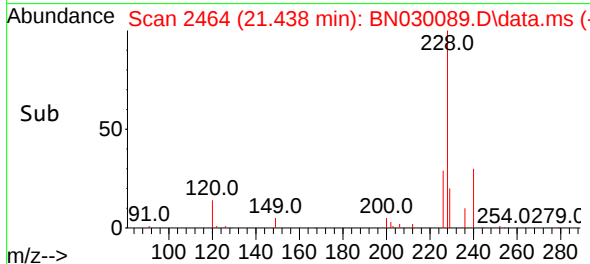
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



Tgt Ion:228 Resp: 3034
Ion Ratio Lower Upper
228 100
226 31.1 22.2 33.4
229 22.2 16.5 24.7

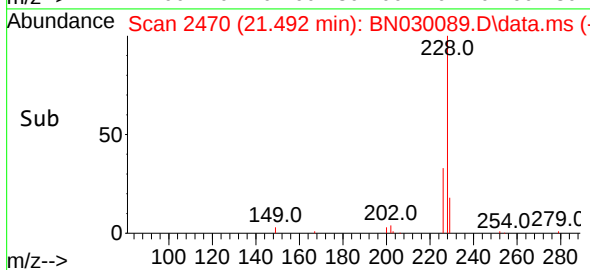
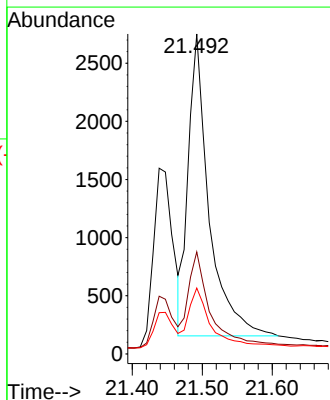
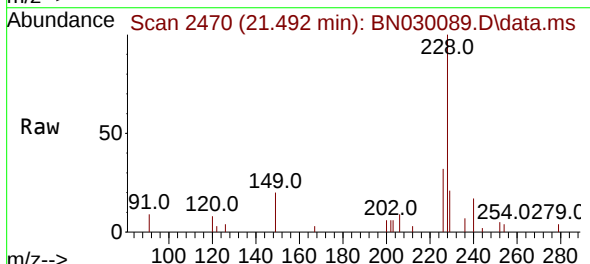
Manual Integrations
APPROVED

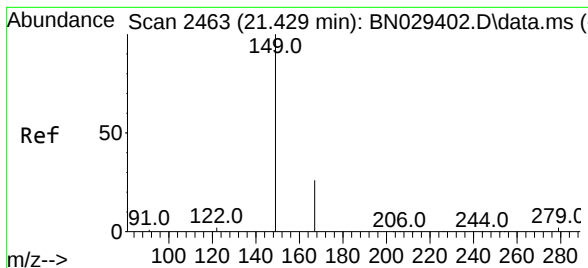
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#33
Chrysene
Concen: 0.250 ng
RT: 21.492 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

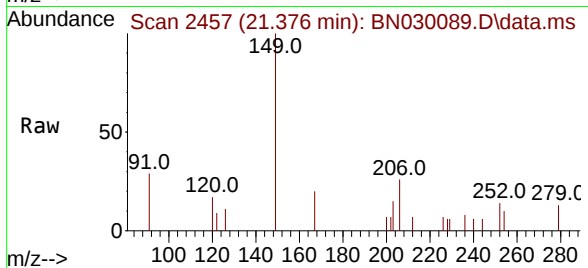
Tgt Ion:228 Resp: 5348
Ion Ratio Lower Upper
228 100
226 31.9 24.9 37.3
229 20.6 15.9 23.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.050 ng
 RT: 21.376 min Scan# 2463
 Delta R.T. -0.009 min
 Lab File: BN030089.D
 Acq: 27 Feb 2024 12:16

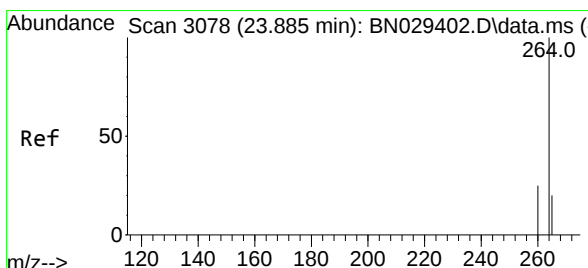
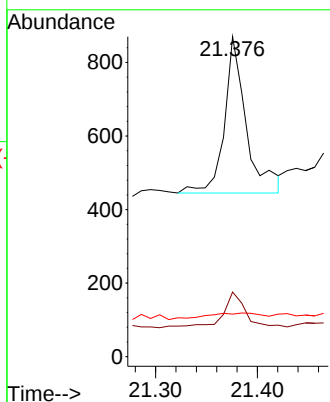
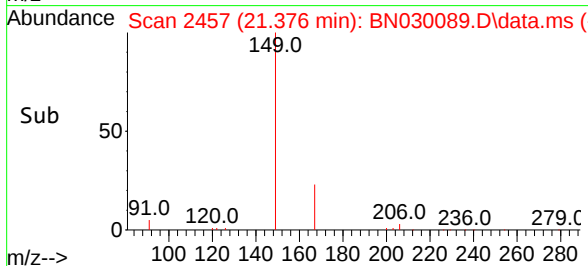
Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20240222DL



Tgt Ion:149 Resp: 630
 Ion Ratio Lower Upper
 149 100
 167 23.7 20.1 30.1
 279 7.1 2.5 3.7

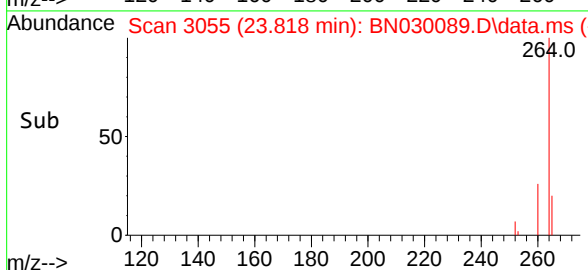
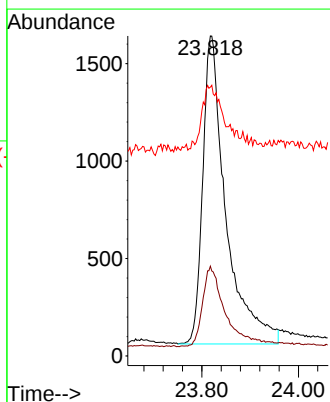
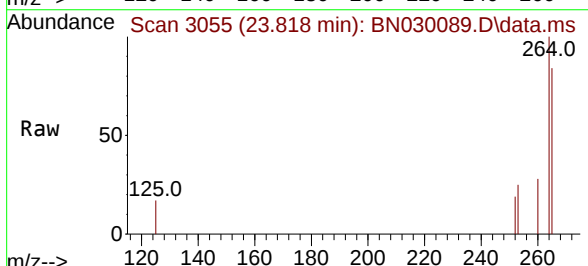
Manual Integrations
 APPROVED

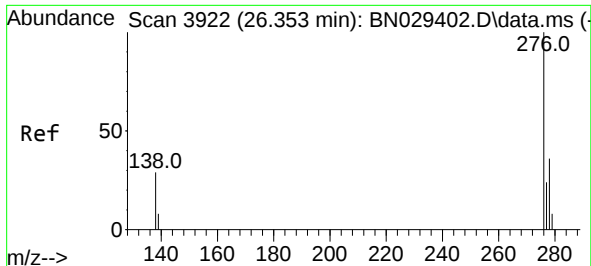
Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.818 min Scan# 3055
 Delta R.T. -0.003 min
 Lab File: BN030089.D
 Acq: 27 Feb 2024 12:16

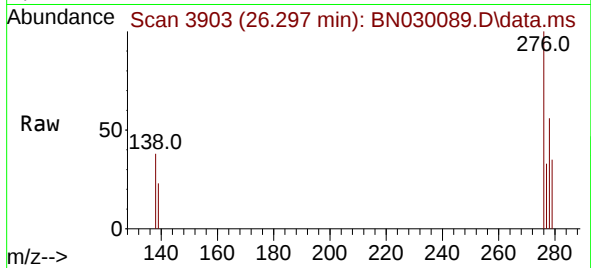
Tgt Ion:264 Resp: 5264
 Ion Ratio Lower Upper
 264 100
 260 28.1 21.2 31.8
 265 84.0 41.5 62.3





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.227 ng m
RT: 26.297 min Scan# 3922
Delta R.T. 0.029 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

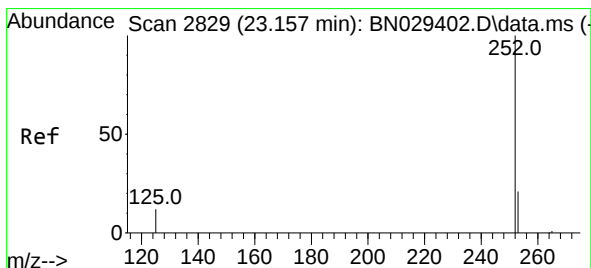
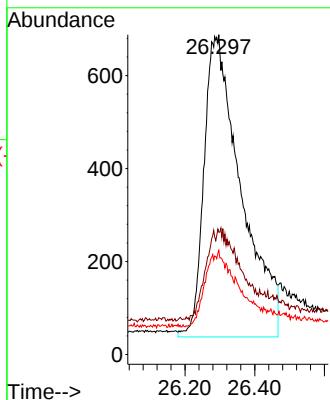
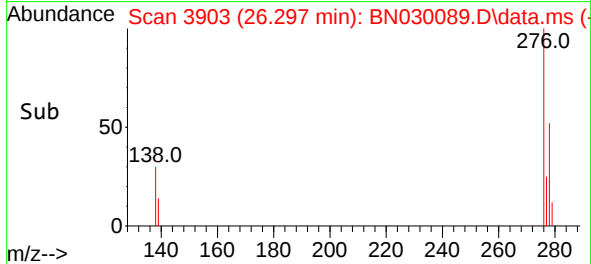
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



Tgt Ion:276 Resp: 480
Ion Ratio Lower Upper
276 100
138 8.6 20.5 30.7
277 6.4 17.0 25.4

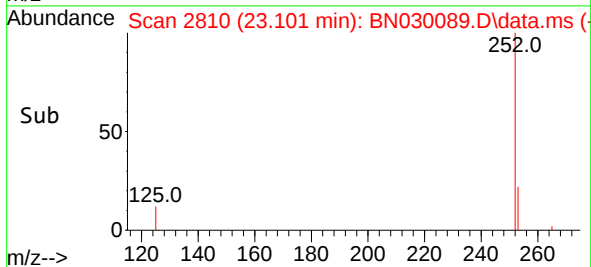
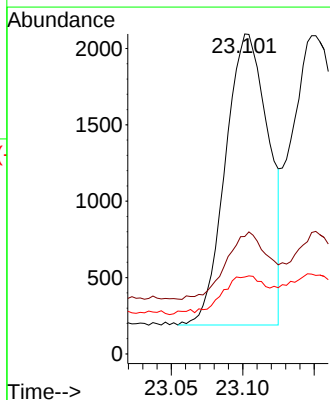
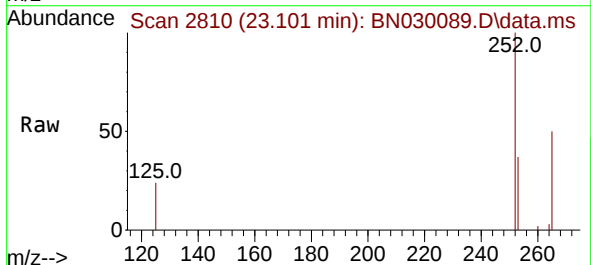
Manual Integrations
APPROVED

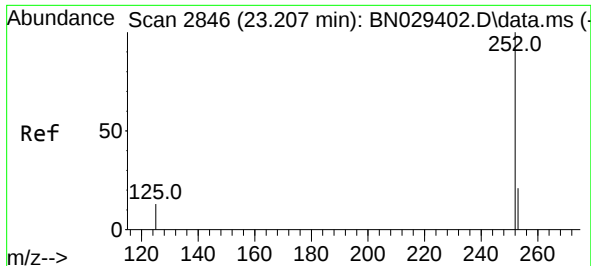
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#37
Benzo(b)fluoranthene
Concen: 0.212 ng
RT: 23.101 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

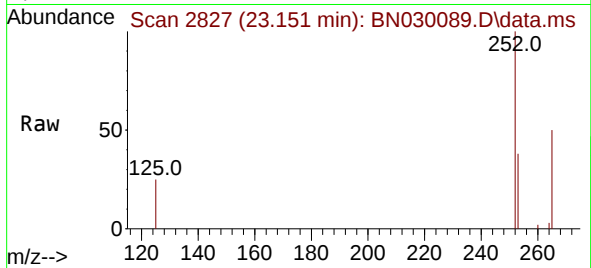
Tgt Ion:252 Resp: 3983
Ion Ratio Lower Upper
252 100
253 36.7 21.7 32.5#
125 24.1 13.3 19.9#





#38
Benzo(k)fluoranthene
Concen: 0.224 ng
RT: 23.151 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

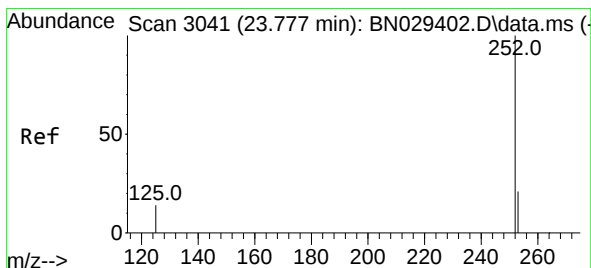
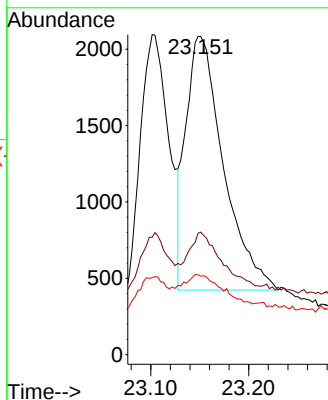
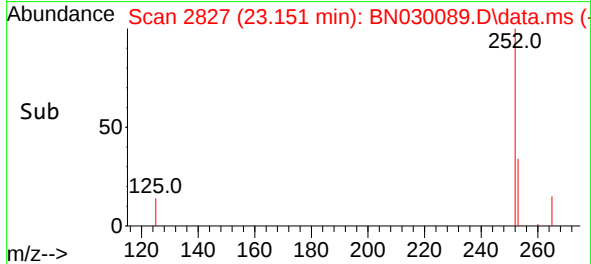
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



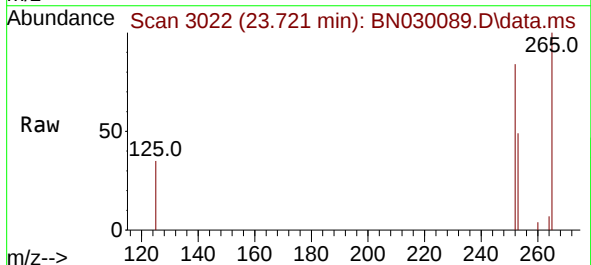
Tgt Ion:252 Resp: 442
Ion Ratio Lower Upper
252 100
253 38.5 21.8 32.8#
125 24.7 13.9 20.9#

Manual Integrations
APPROVED

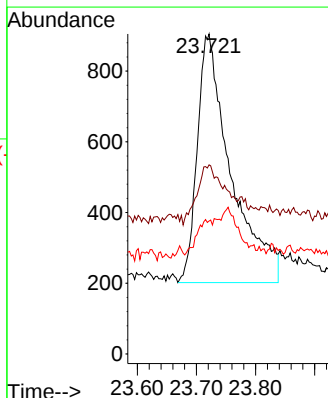
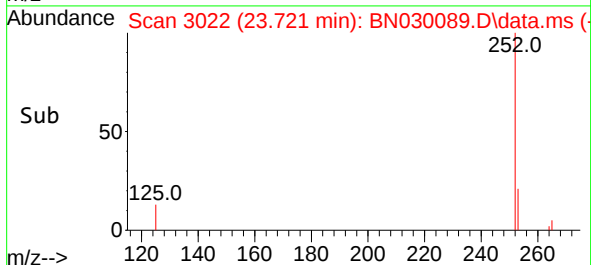
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024

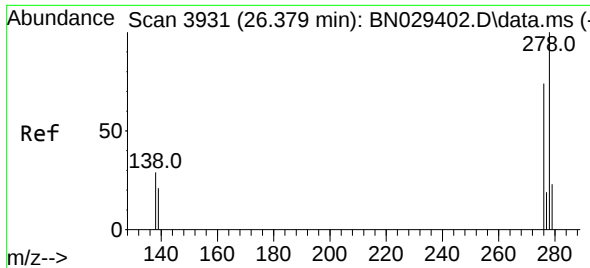


#39
Benzo(a)pyrene
Concen: 0.169 ng
RT: 23.721 min Scan# 3022
Delta R.T. 0.006 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16



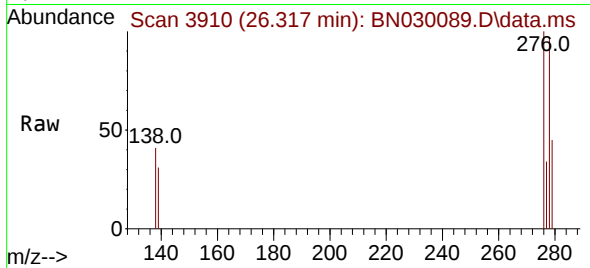
Tgt Ion:252 Resp: 2773
Ion Ratio Lower Upper
252 100
253 59.1 24.9 37.3#
125 41.5 16.6 25.0#





#40
Dibenzo(a,h)anthracene
Concen: 0.227 ng m
RT: 26.317 min Scan# 3931
Delta R.T. 0.015 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

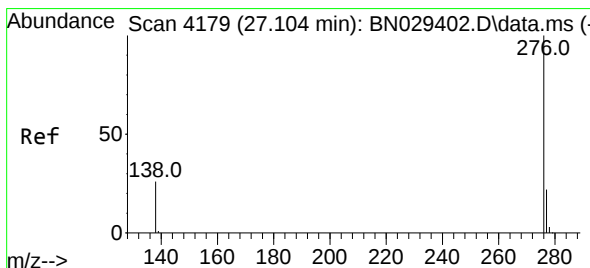
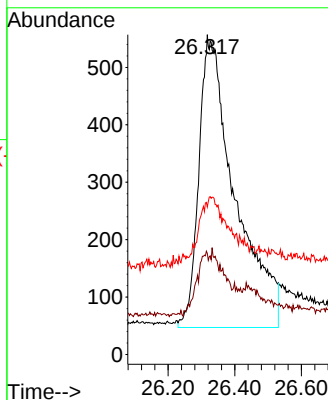
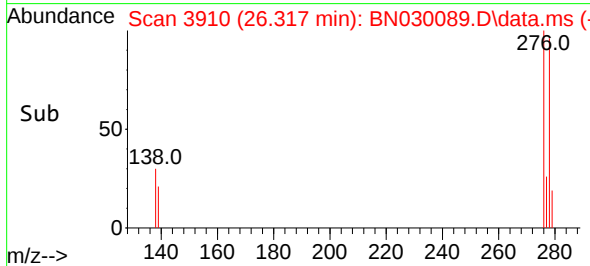
Instrument :
BNA_N
ClientSampleId :
RE115D1-20240222DL



Tgt Ion:278 Resp: 383
Ion Ratio Lower Upper
278 100
139 31.6 20.4 30.6
279 46.1 25.0 37.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#41
Benzo(g,h,i)perylene
Concen: 0.204 ng
RT: 27.013 min Scan# 4148
Delta R.T. 0.006 min
Lab File: BN030089.D
Acq: 27 Feb 2024 12:16

Tgt Ion:276 Resp: 4177
Ion Ratio Lower Upper
276 100
277 29.0 19.4 29.2
138 33.6 23.5 35.3

