

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022724\
 Data File : BN030090.D
 Acq On : 27 Feb 2024 14:08
 Operator : MA/JU
 Sample : P1578-06DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 28 00:18:55 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	7.847	152	2932	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	7458	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	3433	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	7905	0.400	ng	0.00
29) Chrysene-d12	21.456	240	6759	0.400	ng	0.00
35) Perylene-d12	23.821	264	6288	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.428	112	551	0.078	ng	0.00
5) Phenol-d6	7.024	99	272	0.033	ng	0.00
8) Nitrobenzene-d5	9.035	82	1155	0.186	ng	0.02
11) 2-Methylnaphthalene-d10	12.250	152	1826	0.180	ng	0.00
14) 2,4,6-Tribromophenol	16.014	330	257	0.233	ng	0.01
15) 2-Fluorobiphenyl	13.132	172	2589	0.176	ng	0.01
27) Fluoranthene-d10	19.289	212	5064	0.264	ng	0.00
31) Terphenyl-d14	19.898	244	4113	0.245	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.348	88	16654	4.035	ng	95
25) Phenanthrene	17.293	178	1383	0.059	ng	# 95
26) Anthracene	17.392	178	1020	0.051	ng	96
28) Fluoranthene	19.317	202	3933	0.150	ng	99
30) Pyrene	19.680	202	4003	0.129	ng	99
32) Benzo(a)anthracene	21.438	228	2929	0.127	ng	95
33) Chrysene	21.492	228	4979	0.190	ng	98
34) Bis(2-ethylhexyl)phtha...	21.376	149	495	0.031	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.285	276	4578m	0.181	ng	
37) Benzo(b)fluoranthene	23.101	252	3856	0.172	ng	# 80
38) Benzo(k)fluoranthene	23.151	252	4045	0.172	ng	# 78
39) Benzo(a)pyrene	23.721	252	2482m	0.127	ng	
40) Dibenzo(a,h)anthracene	26.323	278	3695m	0.184	ng	
41) Benzo(g,h,i)perylene	27.013	276	3904	0.159	ng	# 90

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

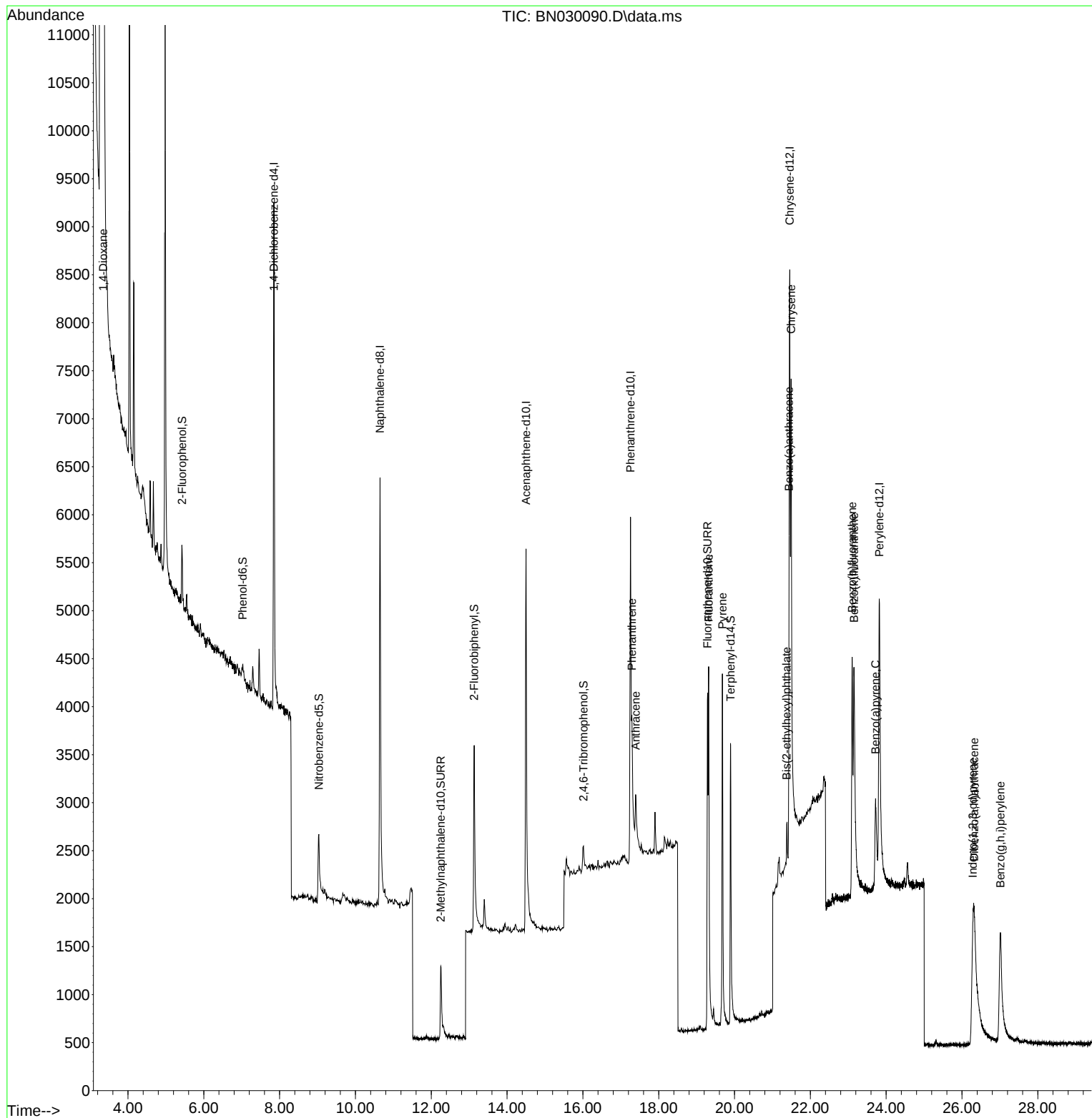
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022724\
Data File : BN030090.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 02:39:45 2024
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APPROVED

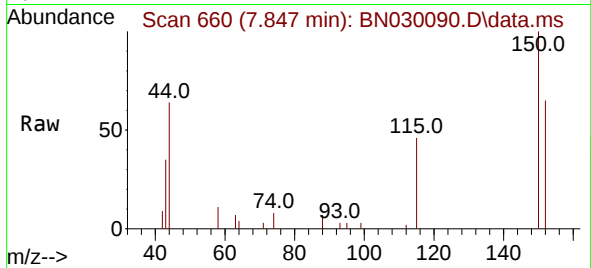
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.847 min Scan# 60
 Delta R.T. -0.007 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

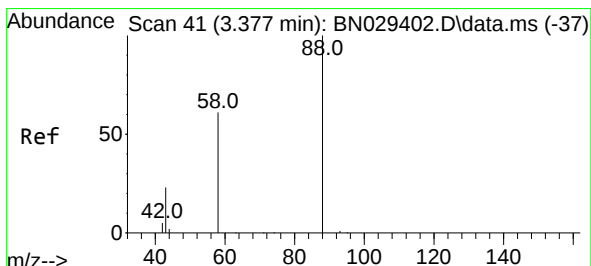
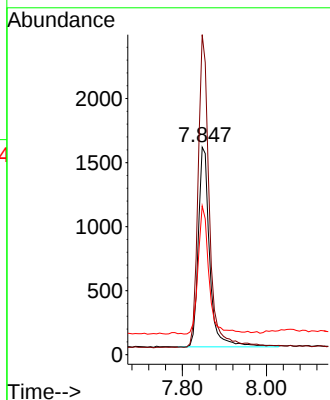
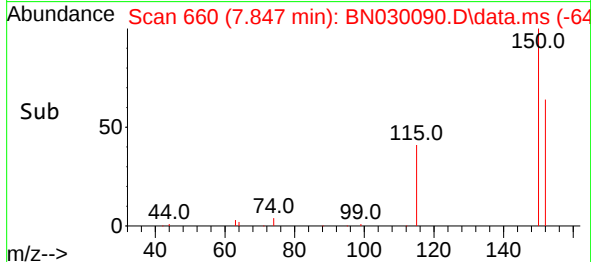
Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222DL



Tgt Ion:152 Resp: 2932
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.0 184.4
 115 71.7 51.4 77.0

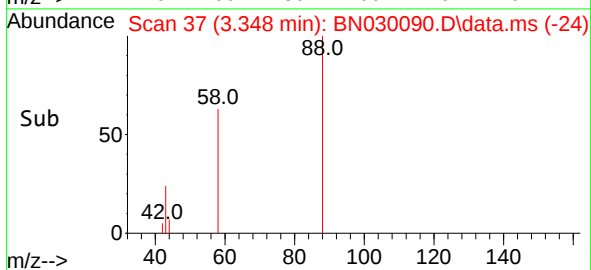
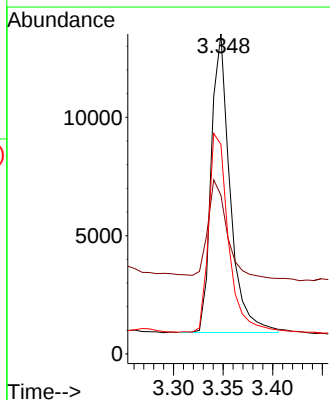
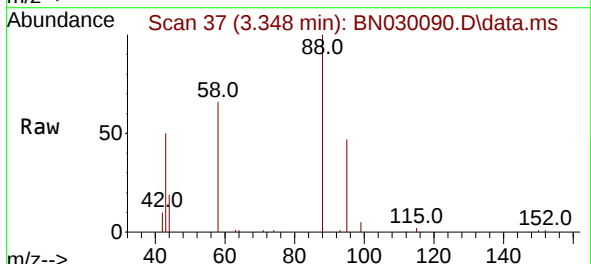
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 Supervised By :mohammad ahmed 02/29/2024



#2
 1,4-Dioxane
 Concen: 4.035 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

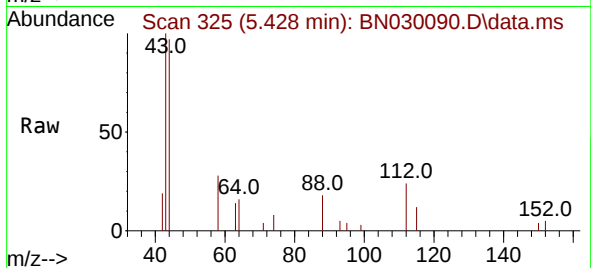
Tgt Ion: 88 Resp: 16654
 Ion Ratio Lower Upper
 88 100
 43 33.5 23.3 34.9
 58 70.3 53.8 80.6





#4
2-Fluorophenol
Concen: 0.078 ng
RT: 5.428 min Scan# 311
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

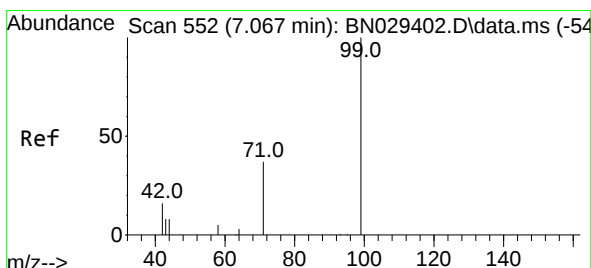
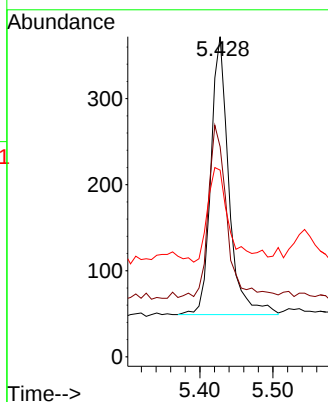
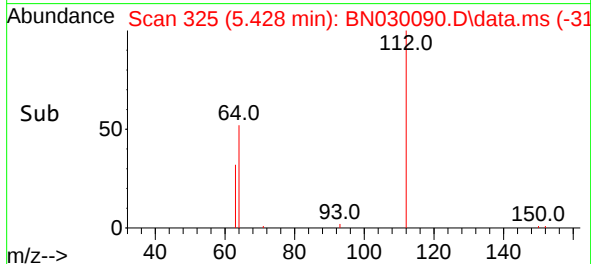
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion: 112 Resp: 55
Ion Ratio Lower Upper
112 100
64 60.8 47.2 70.8
63 40.8 25.8 38.6

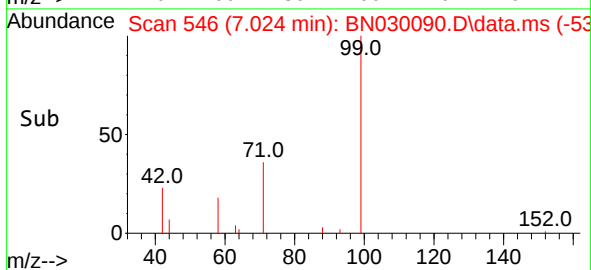
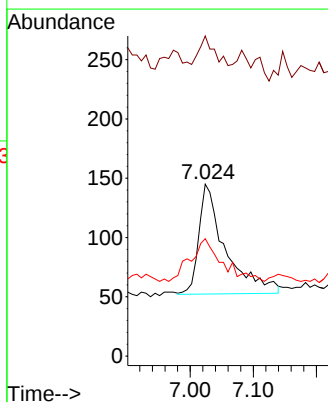
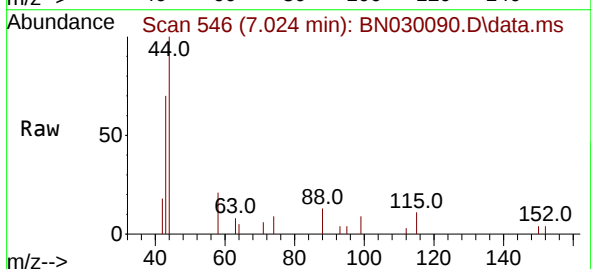
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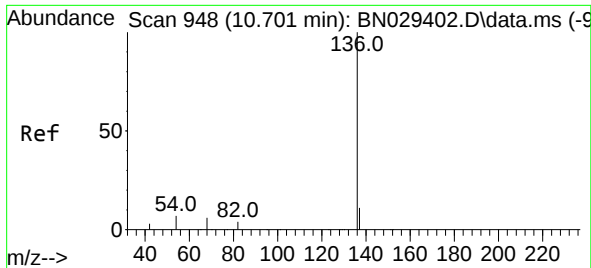
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#5
Phenol-d6
Concen: 0.033 ng
RT: 7.024 min Scan# 546
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

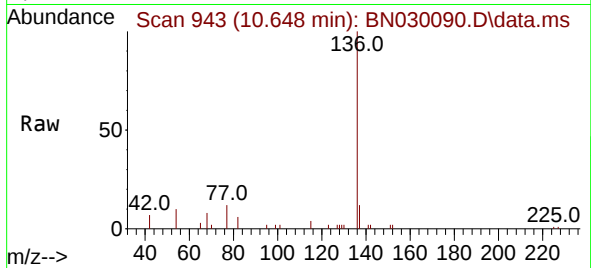
Tgt Ion: 99 Resp: 272
Ion Ratio Lower Upper
99 100
42 17.3 16.9 25.3
71 43.0 30.0 45.0





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

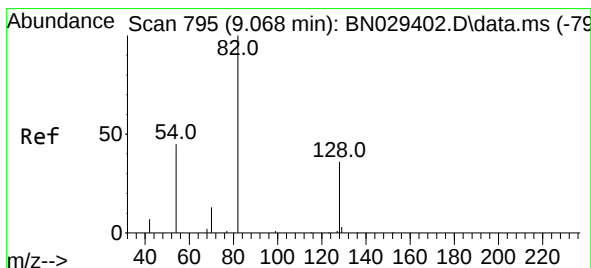
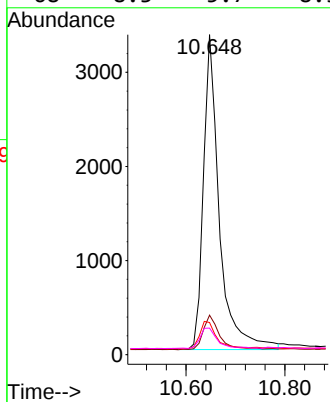
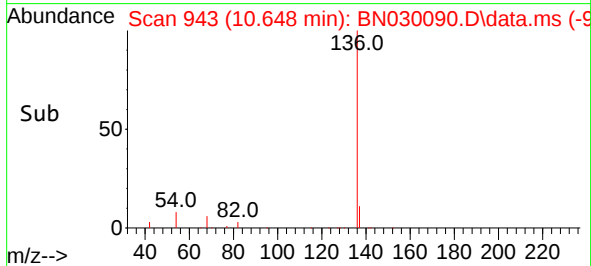
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:136 Resp: 7458
Ion Ratio Lower Upper
136 100
137 12.4 9.7 14.5
54 10.0 6.6 10.0
68 8.3 5.7 8.5

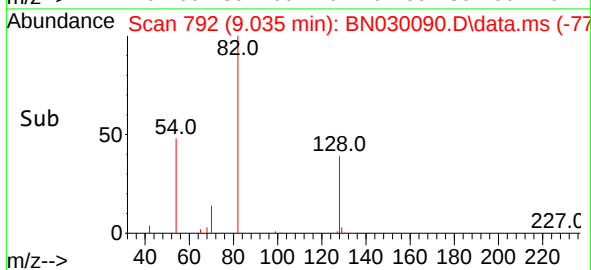
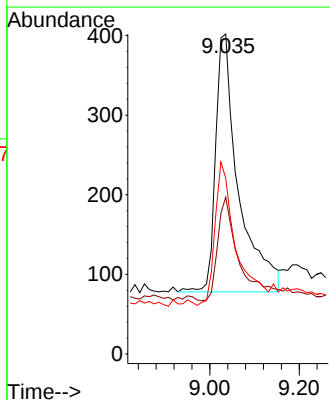
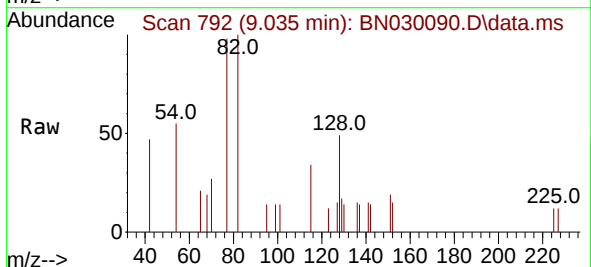
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#8
Nitrobenzene-d5
Concen: 0.186 ng
RT: 9.035 min Scan# 792
Delta R.T. 0.021 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

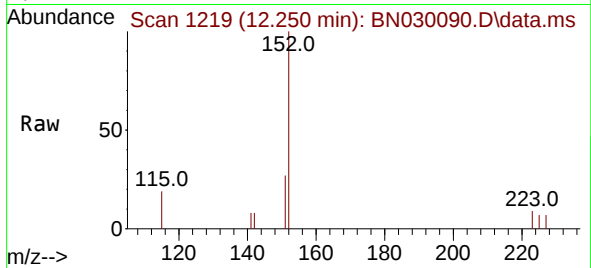
Tgt Ion: 82 Resp: 1155
Ion Ratio Lower Upper
82 100
128 49.0 31.6 47.4#
54 55.0 38.2 57.4





#11
2-Methylnaphthalene-d10
Concen: 0.180 ng
RT: 12.250 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

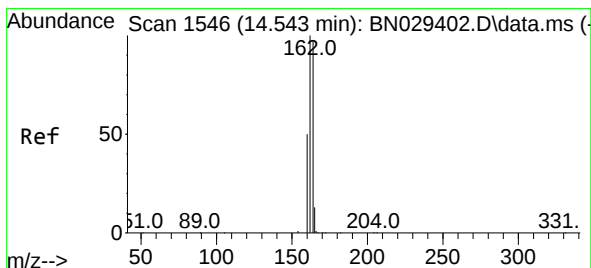
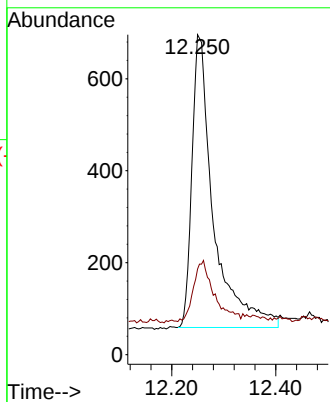
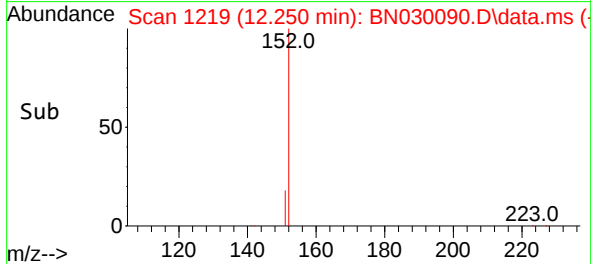
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:152 Resp: 1820
Ion Ratio Lower Upper
152 100
151 19.9 17.1 25.7

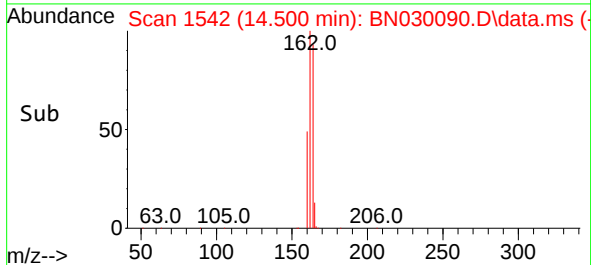
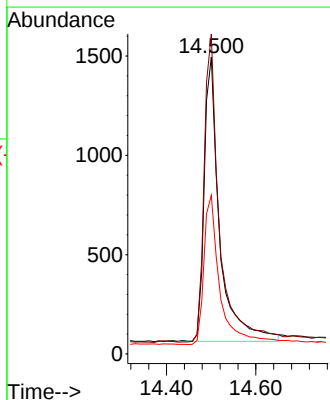
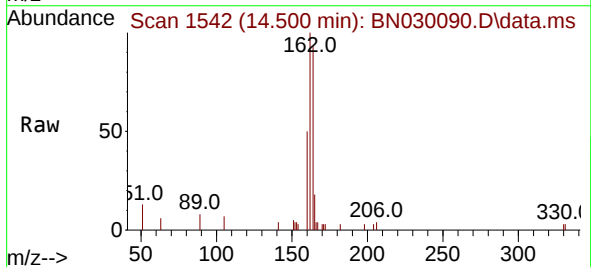
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Supervised By :mohammad ahmed 02/29/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.500 min Scan# 1542
Delta R.T. 0.011 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

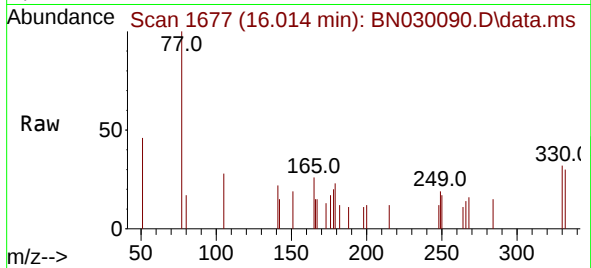
Tgt Ion:164 Resp: 3433
Ion Ratio Lower Upper
164 100
162 107.8 82.6 123.8
160 53.4 41.5 62.3





#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 16.014 min Scan# 1679
Delta R.T. 0.012 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

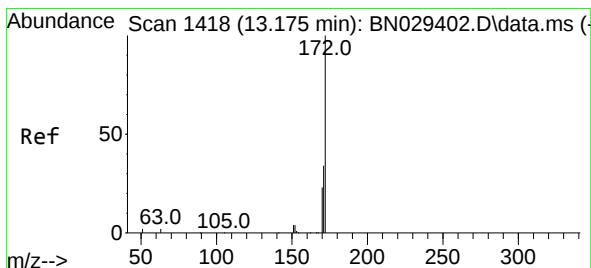
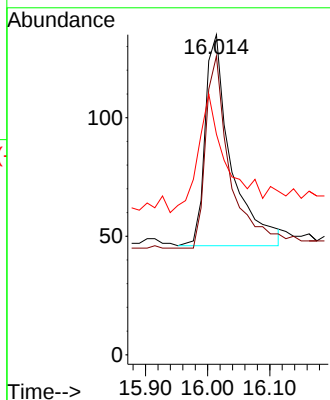
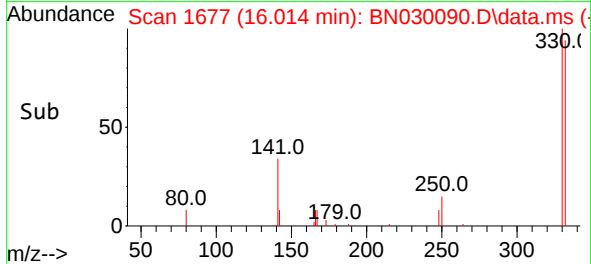
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion: 330 Resp: 2589
Ion Ratio Lower Upper
330 100
332 84.4 76.0 114.0
141 69.3 43.4 65.2

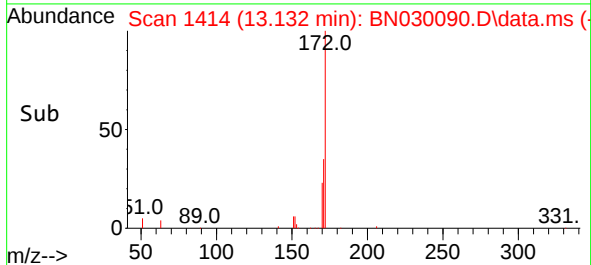
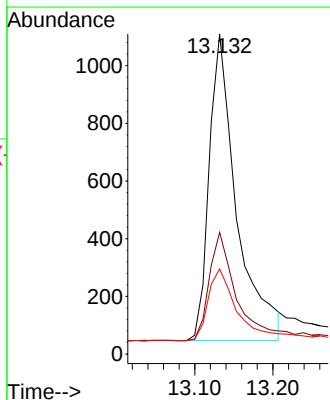
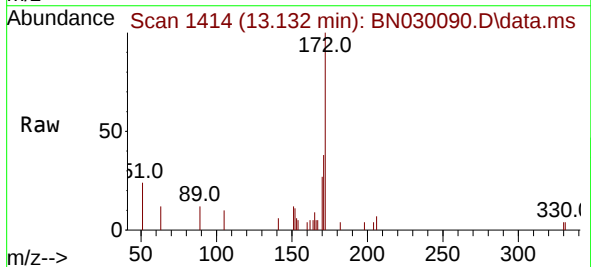
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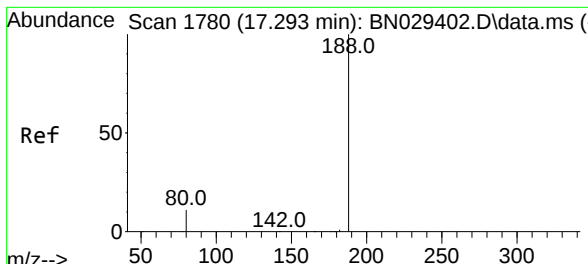
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#15
2-Fluorobiphenyl
Concen: 0.176 ng
RT: 13.132 min Scan# 1414
Delta R.T. 0.011 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion: 172 Resp: 2589
Ion Ratio Lower Upper
172 100
171 38.0 28.0 42.0
170 26.6 18.7 28.1





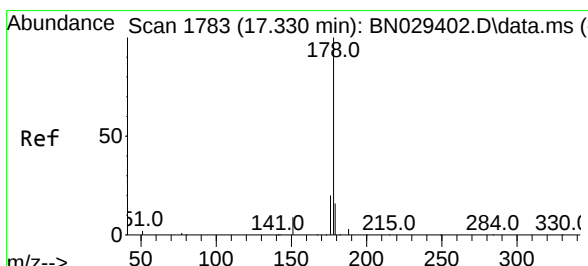
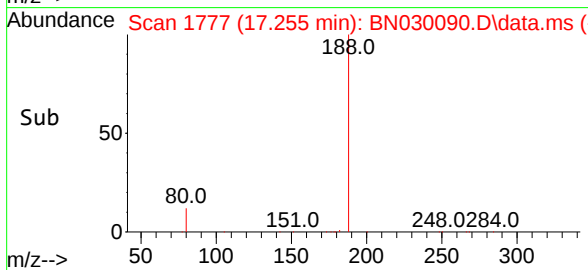
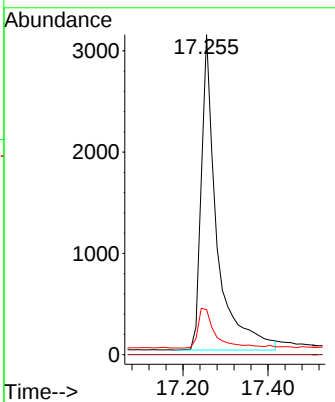
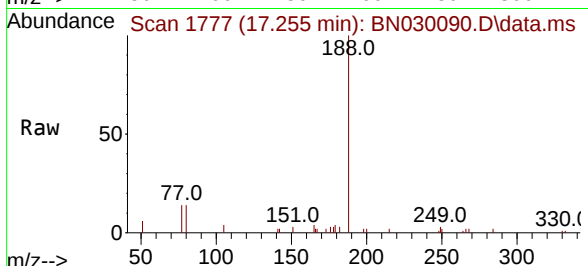
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.255 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

Instrument : BNA_N
 ClientSampleId : RE115D2-20240222DL

Tgt Ion:	188	Resp:	790
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	14.1	10.0	15.0

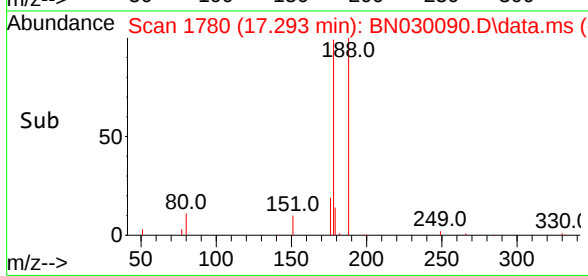
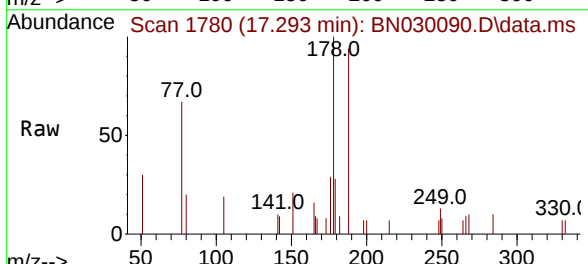
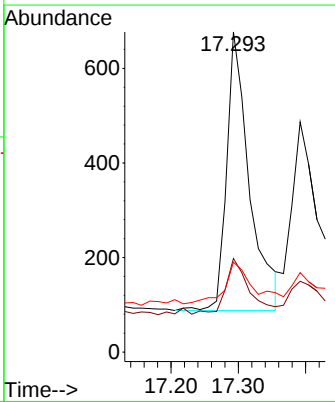
Manual Integrations
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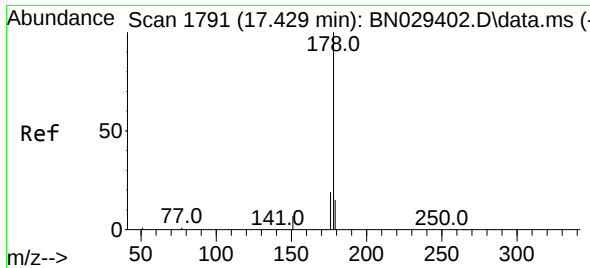
Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024



#25
 Phenanthrene
 Concen: 0.059 ng
 RT: 17.293 min Scan# 1780
 Delta R.T. 0.000 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

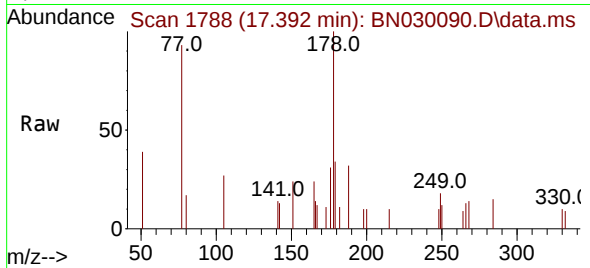
Tgt Ion:	178	Resp:	1383
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.6
179	19.0	12.6	19.0





#26
 Anthracene
 Concen: 0.051 ng
 RT: 17.392 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

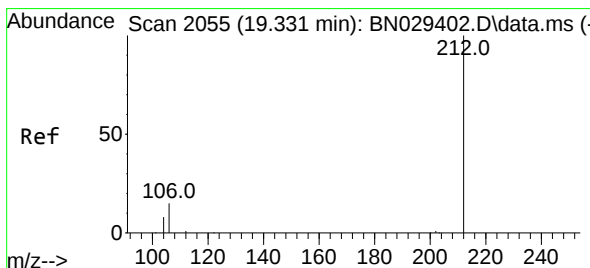
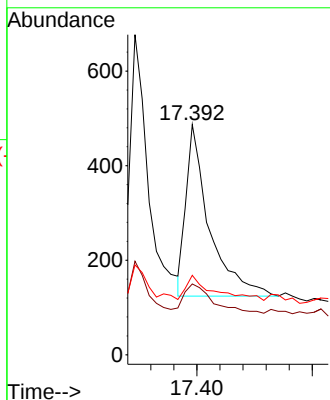
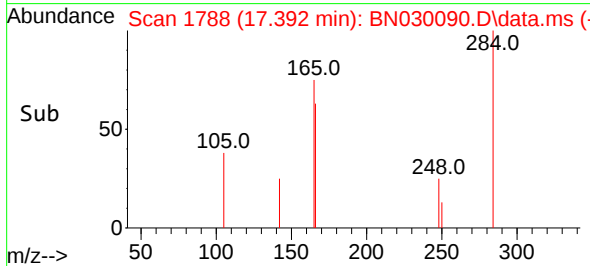
Instrument :
 BNA_N
 ClientSampleId :
 RE115D2-20240222DL



Tgt Ion:178 Resp: 1020
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.0 22.4
 179 16.6 12.3 18.5

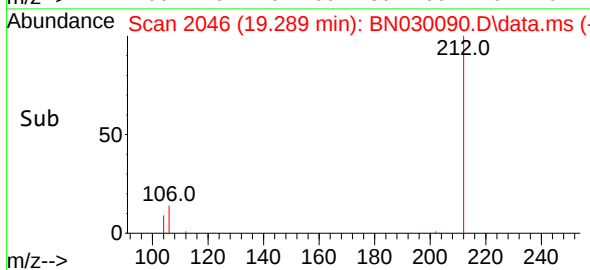
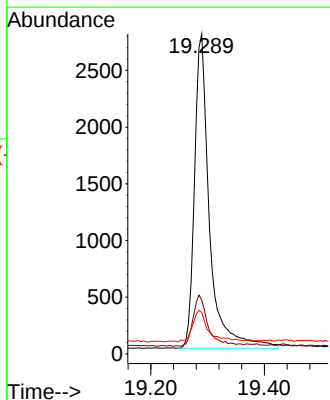
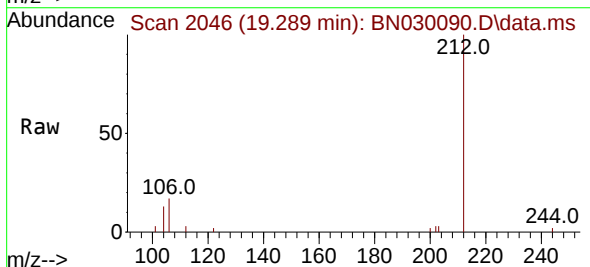
Manual Integrations
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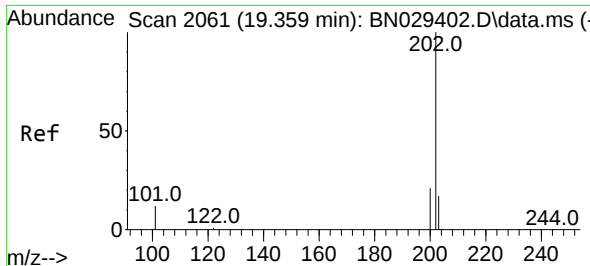
Reviewed By :Jagrut Upadhyay 02/28/2024
 Supervised By :mohammad ahmed 02/29/2024



#27
 Fluoranthene-d10
 Concen: 0.264 ng
 RT: 19.289 min Scan# 2046
 Delta R.T. 0.000 min
 Lab File: BN030090.D
 Acq: 27 Feb 2024 14:08

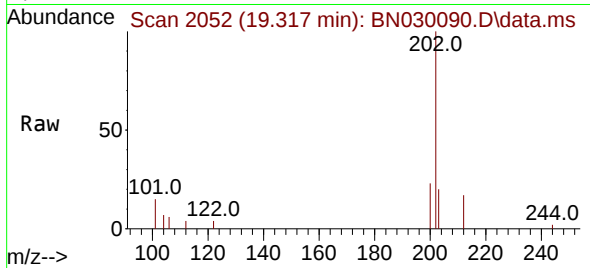
Tgt Ion:212 Resp: 5064
 Ion Ratio Lower Upper
 212 100
 106 15.8 13.2 19.8
 104 10.7 7.7 11.5





#28
Fluoranthene
Concen: 0.150 ng
RT: 19.317 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

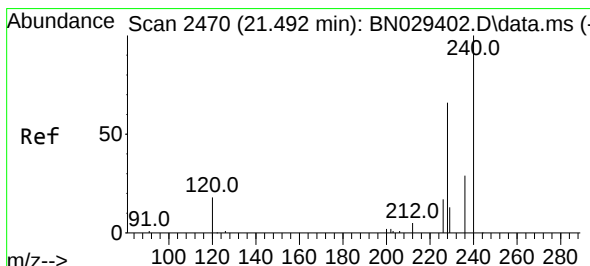
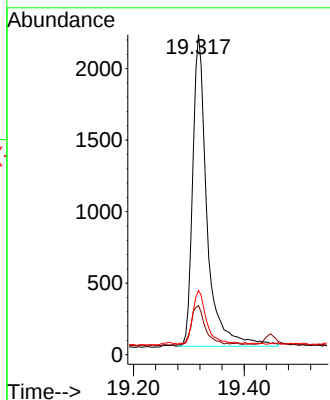
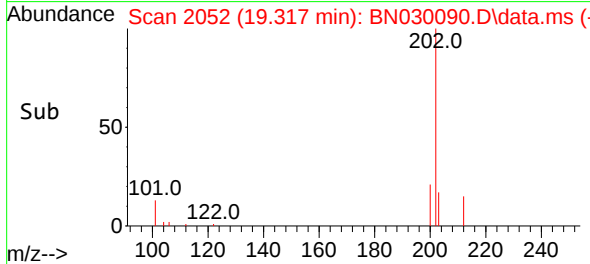
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:202 Resp: 393
Ion Ratio Lower Upper
202 100
101 12.4 10.5 15.7
203 16.7 13.5 20.3

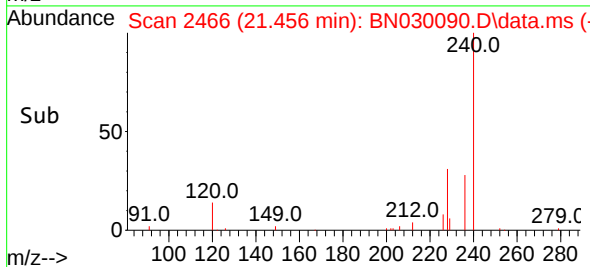
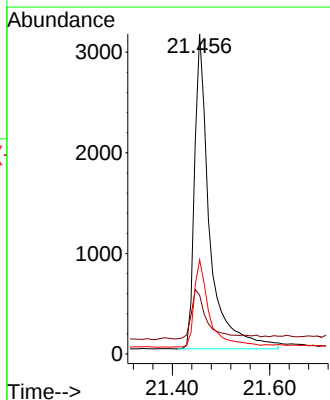
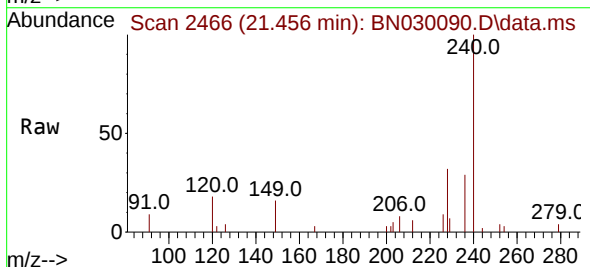
Manual Integrations
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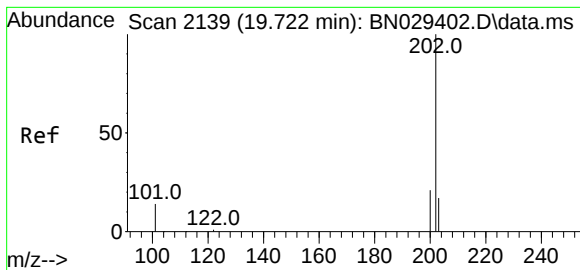
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.456 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:240 Resp: 6759
Ion Ratio Lower Upper
240 100
120 18.4 16.7 25.1
236 29.4 23.9 35.9





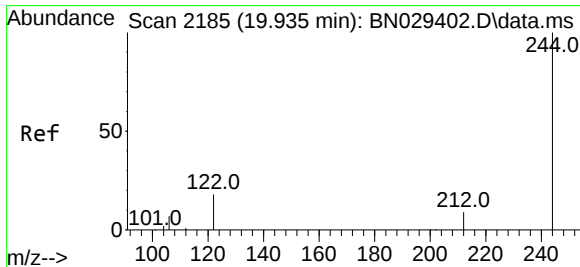
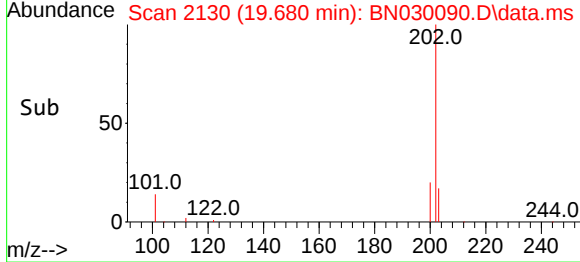
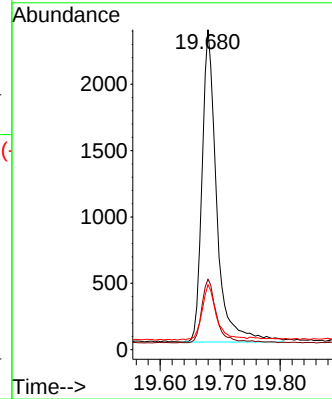
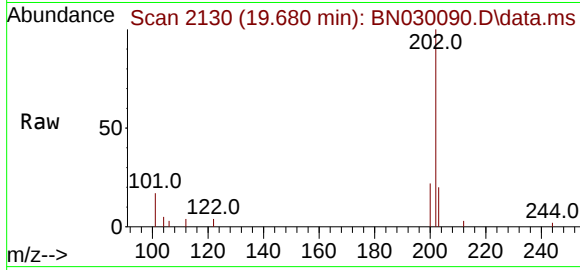
#30
Pyrene
Concen: 0.129 ng
RT: 19.680 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL

Tgt Ion:	202	Resp:	400
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.6	25.0
203	17.6	14.2	21.4

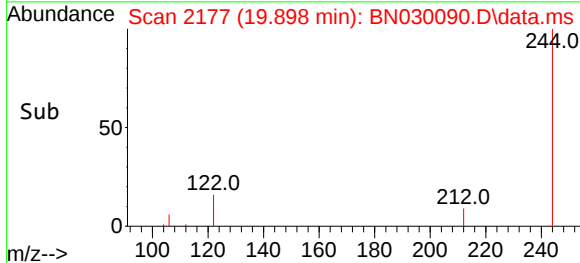
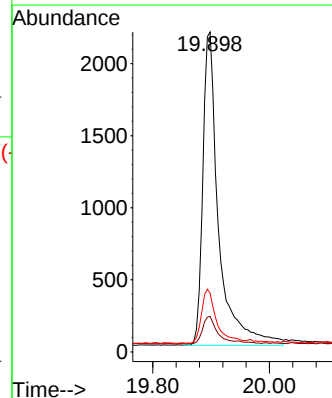
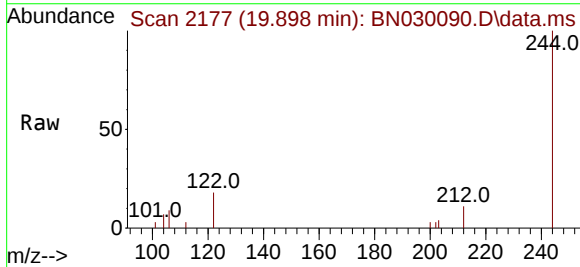
Manual Integrations
APPROVED

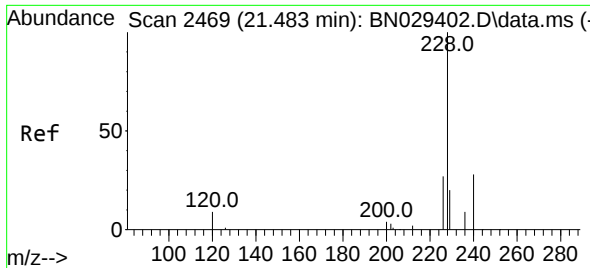
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#31
Terphenyl-d14
Concen: 0.245 ng
RT: 19.898 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

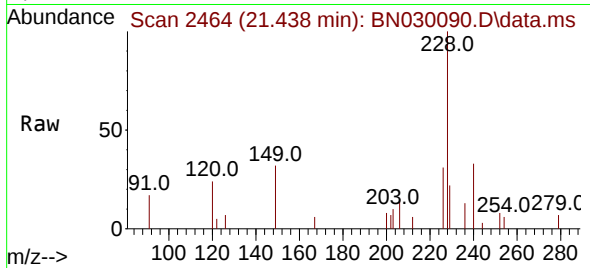
Tgt Ion:	244	Resp:	4113
Ion Ratio	Lower	Upper	
244	100		
212	11.1	8.2	12.4
122	18.3	15.6	23.4





#32
Benzo(a)anthracene
Concen: 0.127 ng
RT: 21.438 min Scan# 2469
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

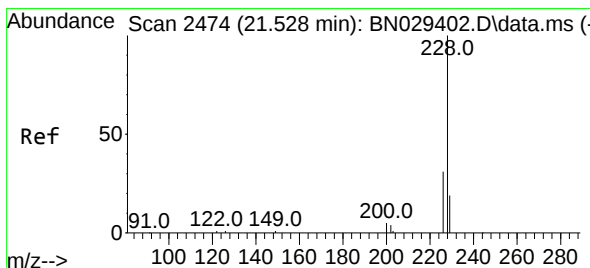
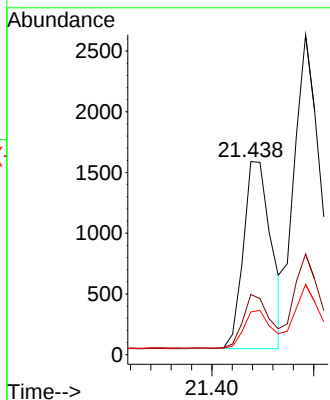
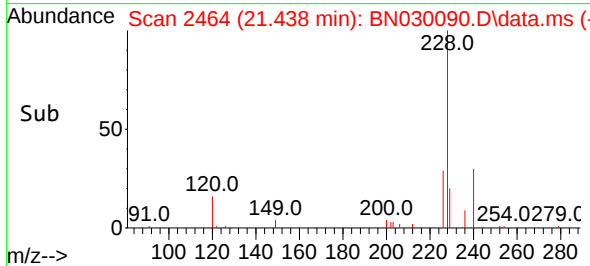
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:228 Resp: 2929
Ion Ratio Lower Upper
228 100
226 31.2 22.2 33.4
229 22.1 16.5 24.7

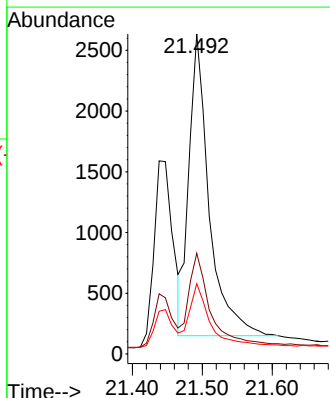
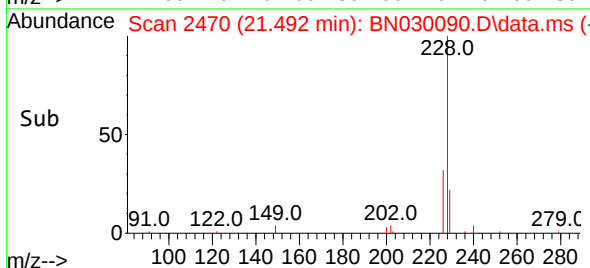
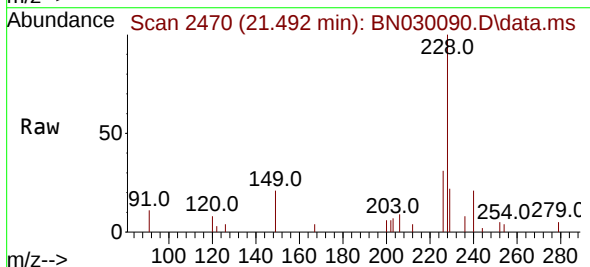
Manual Integrations
APPROVED

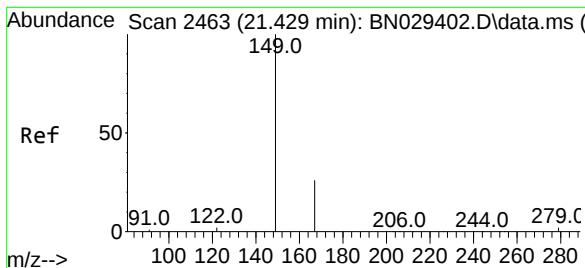
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#33
Chrysene
Concen: 0.190 ng
RT: 21.492 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

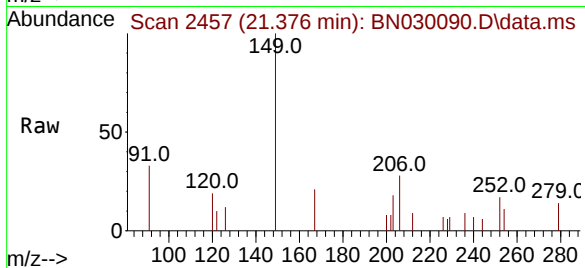
Tgt Ion:228 Resp: 4979
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 22.0 15.9 23.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.031 ng
RT: 21.376 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

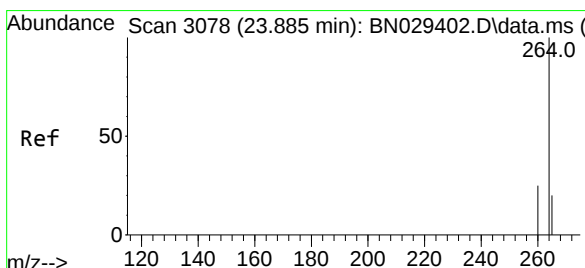
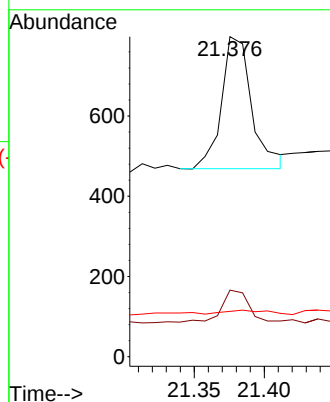
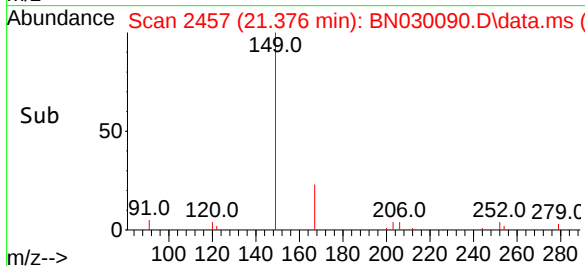
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:149 Resp: 495
Ion Ratio Lower Upper
149 100
167 22.6 20.1 30.1
279 4.6 2.5 3.7

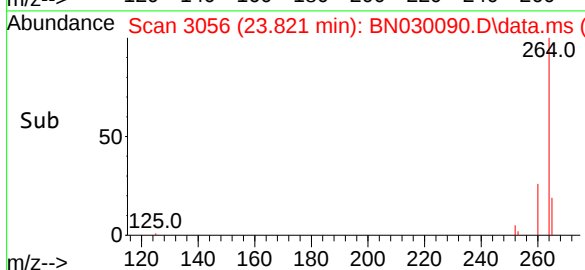
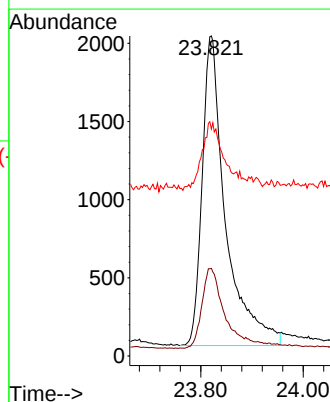
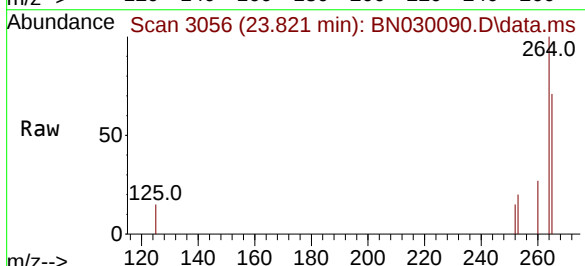
Manual Integrations
APPROVED

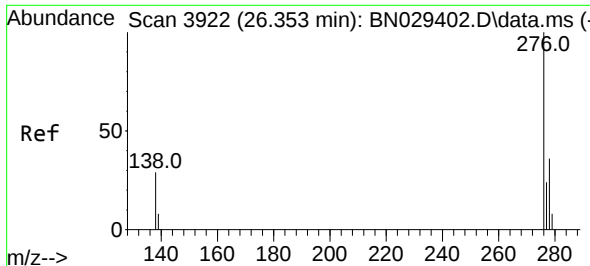
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.821 min Scan# 3056
Delta R.T. 0.000 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

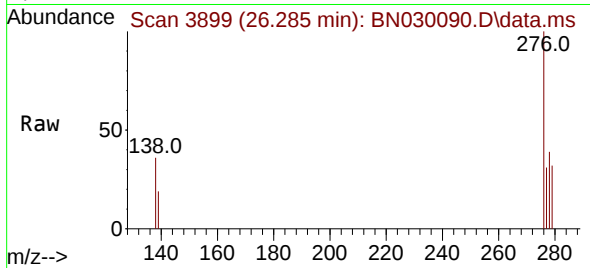
Tgt Ion:264 Resp: 6288
Ion Ratio Lower Upper
264 100
260 27.4 21.2 31.8
265 70.9 41.5 62.3





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.181 ng m
RT: 26.285 min Scan# 3899
Delta R.T. 0.018 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

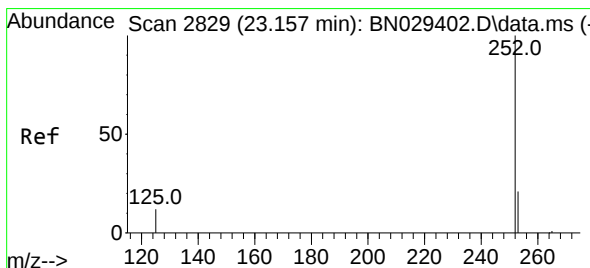
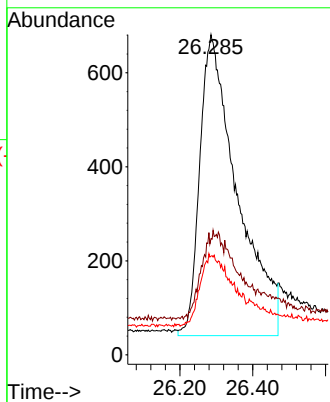
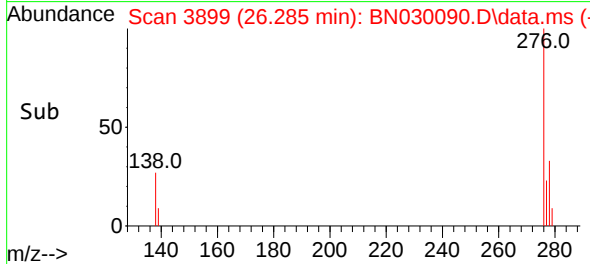
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:276 Resp: 4578
Ion Ratio Lower Upper
276 100
138 7.3 20.5 30.7
277 7.1 17.0 25.4

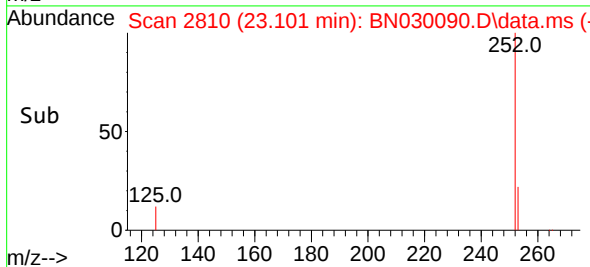
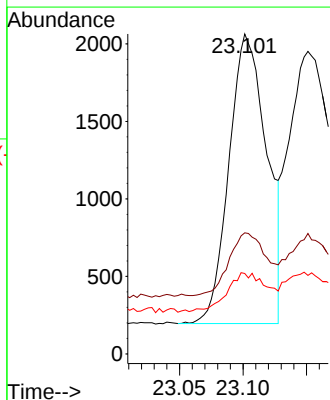
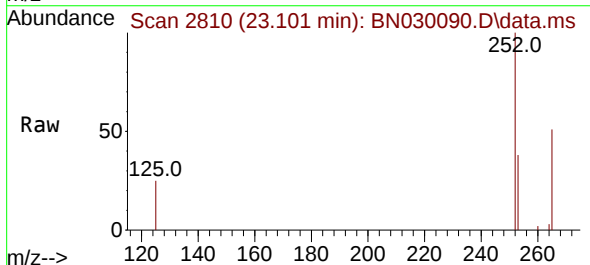
Manual Integrations
APPROVED

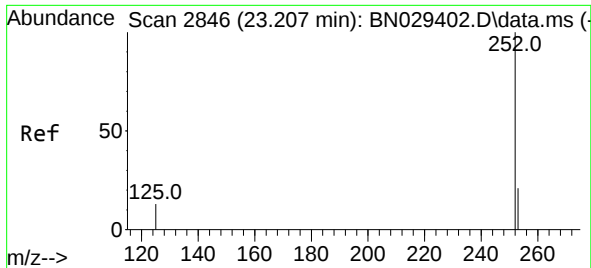
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#37
Benzo(b)fluoranthene
Concen: 0.172 ng
RT: 23.101 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

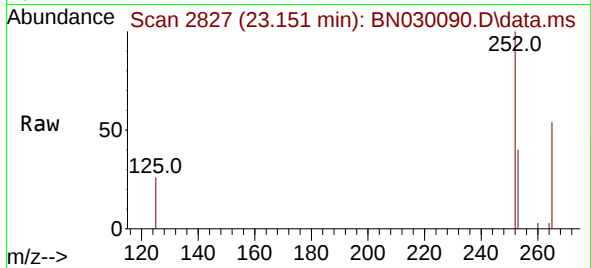
Tgt Ion:252 Resp: 3856
Ion Ratio Lower Upper
252 100
253 37.8 21.7 32.5#
125 25.1 13.3 19.9#





#38
Benzo(k)fluoranthene
Concen: 0.172 ng
RT: 23.151 min Scan# 21
Delta R.T. 0.003 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

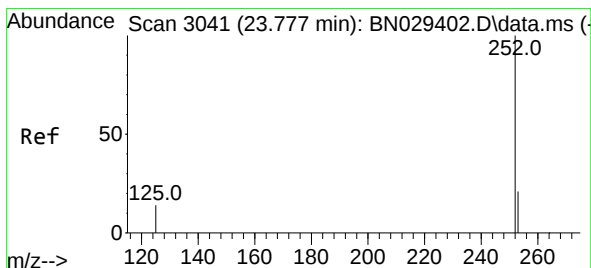
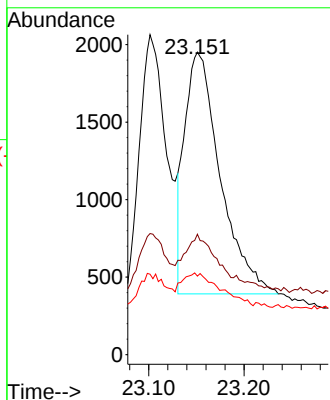
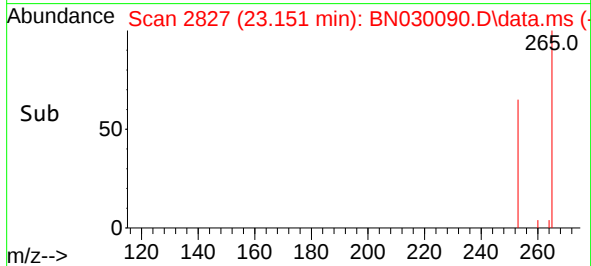
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:252 Resp: 404
Ion Ratio Lower Upper
252 100
253 39.8 21.8 32.8
125 26.0 13.9 20.9

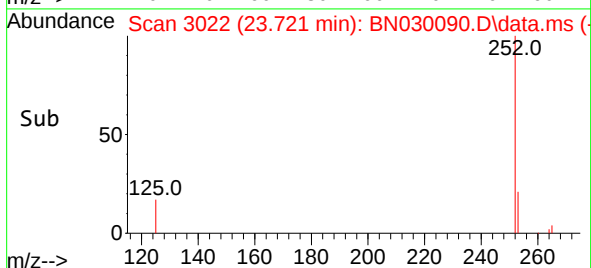
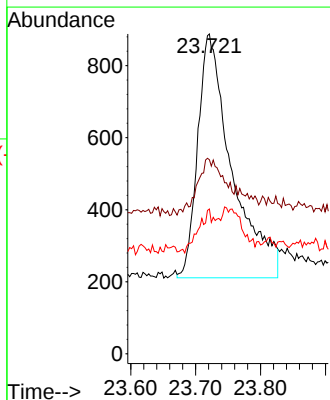
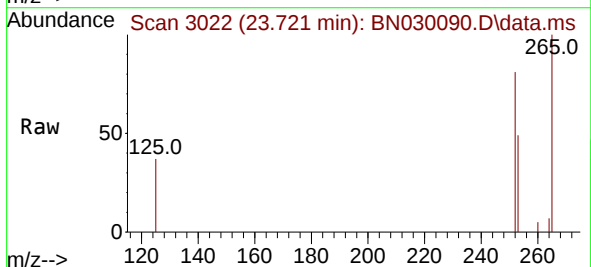
Manual Integrations
APPROVED

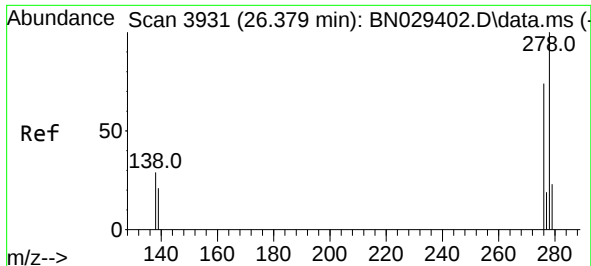
Reviewed By :Jagrut Upadhyay 02/28/2024
Supervised By :mohammad ahmed 02/29/2024



#39
Benzo(a)pyrene
Concen: 0.127 ng m
RT: 23.721 min Scan# 3022
Delta R.T. 0.006 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

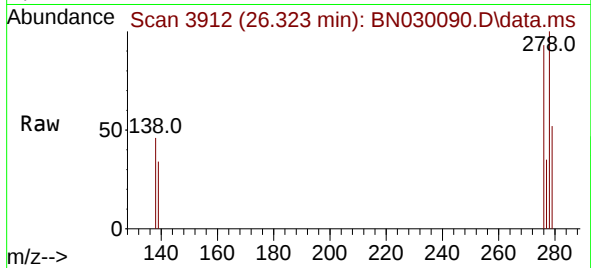
Tgt Ion:252 Resp: 2482
Ion Ratio Lower Upper
252 100
253 60.7 24.9 37.3#
125 45.3 16.6 25.0#





#40
Dibenzo(a,h)anthracene
Concen: 0.184 ng m
RT: 26.323 min Scan# 3931
Delta R.T. 0.021 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

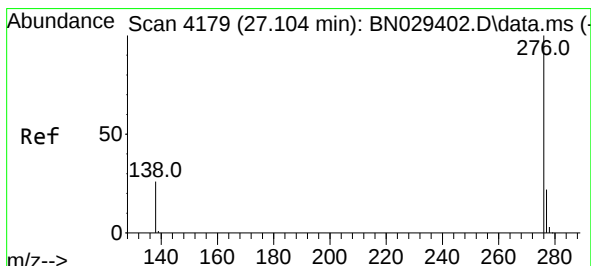
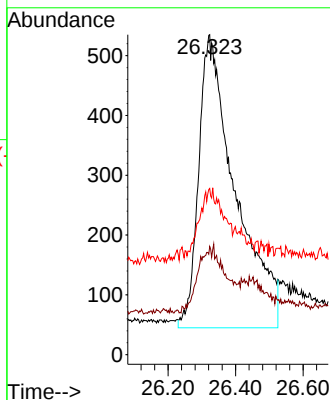
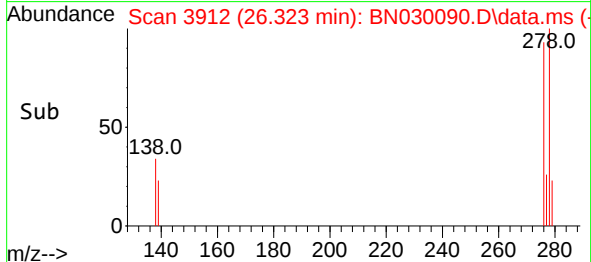
Instrument :
BNA_N
ClientSampleId :
RE115D2-20240222DL



Tgt Ion:278 Resp: 369
Ion Ratio Lower Upper
278 100
139 33.8 20.4 30.6
279 52.0 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: 0.159 ng
RT: 27.013 min Scan# 4148
Delta R.T. 0.006 min
Lab File: BN030090.D
Acq: 27 Feb 2024 14:08

Tgt Ion:276 Resp: 3904
Ion Ratio Lower Upper
276 100
277 28.5 19.4 29.2
138 35.8 23.5 35.3

