

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021624\
 Data File : BN029839.D
 Acq On : 16 Feb 2024 22:37
 Operator : MA/JU
 Sample : P1439-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-195-GW-765-767

Quant Time: Feb 16 23:59:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 23:52:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/17/2024
 Supervised By :mohammad ahmed 02/17/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	4833	0.400	ng	0.00
7) Naphthalene-d8	10.658	136	13275	0.400	ng	#-0.01
13) Acenaphthene-d10	14.511	164	4816	0.400	ng	0.00
19) Phenanthrene-d10	17.255	188	11278	0.400	ng	# 0.00
29) Chrysene-d12	21.465	240	8209	0.400	ng	# 0.00
35) Perylene-d12	23.832	264	3817	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	2835	0.244	ng	0.00
5) Phenol-d6	7.038	99	1946	0.145	ng	0.00
8) Nitrobenzene-d5	9.035	82	4233	0.383	ng	0.00
11) 2-Methylnaphthalene-d10	12.257	152	6217	0.344	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	1016	0.658	ng	0.00
15) 2-Fluorobiphenyl	13.132	172	11089	0.536	ng	0.00
27) Fluoranthene-d10	19.299	212	8523	0.312	ng	0.00
31) Terphenyl-d14	19.903	244	9155	0.449	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.362	88	1963	0.289	ng	# 65
18) Fluorene	15.555	166	604	0.031	ng	# 95
21) 4-Bromophenyl-phenylether	16.461	248	220	0.033	ng	95
22) Hexachlorobenzene	16.560	284	302	0.037	ng	97
25) Phenanthrene	17.305	178	1132m	0.034	ng	
26) Anthracene	17.392	178	711	0.025	ng	98
28) Fluoranthene	19.327	202	1129	0.030	ng	# 70
30) Pyrene	19.694	202	894	0.024	ng	# 90
32) Benzo(a)anthracene	21.447	228	1278	0.046	ng	# 87
33) Chrysene	21.501	228	1426	0.045	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.393	149	17435	0.912	ng	100
36) Indeno(1,2,3-cd)pyrene	26.279	276	1415	0.092	ng	# 68
37) Benzo(b)fluoranthene	23.116	252	1795	0.132	ng	# 33
38) Benzo(k)fluoranthene	23.163	252	1632	0.114	ng	# 1
39) Benzo(a)pyrene	23.730	252	781	0.066	ng	# 1
40) Dibenzo(a,h)anthracene	26.311	278	1144	0.094	ng	# 31
41) Benzo(g,h,i)perylene	27.022	276	1366	0.092	ng	# 67

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

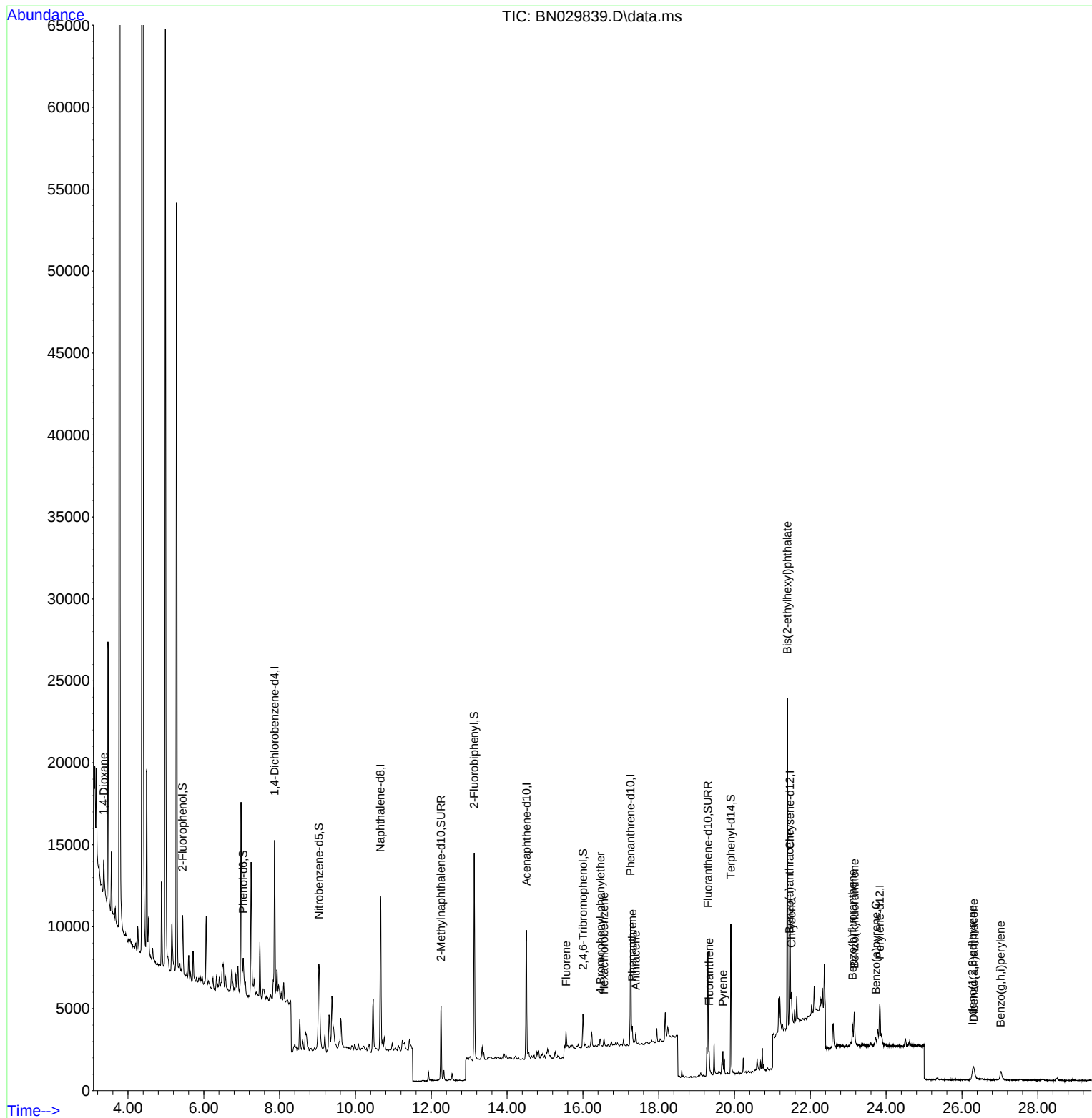
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021624\
Data File : BN029839.D
Acq On : 16 Feb 2024 22:37
Operator : MA/JU
Sample : P1439-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

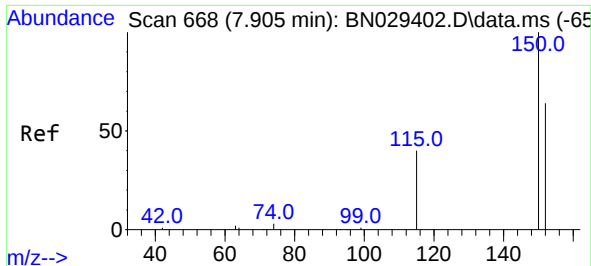
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767

Quant Time: Feb 16 23:59:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 23:52:05 2024
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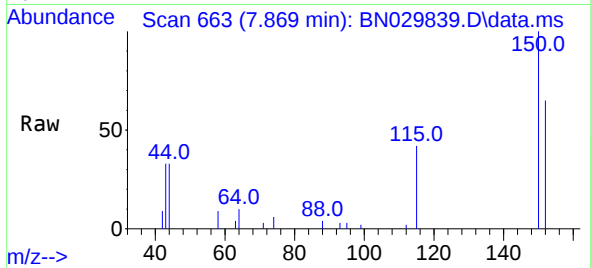
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.869 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

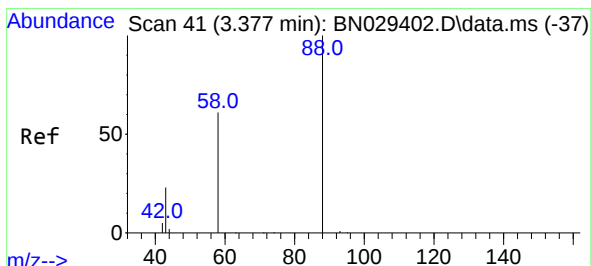
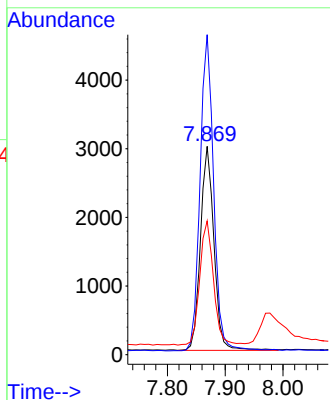
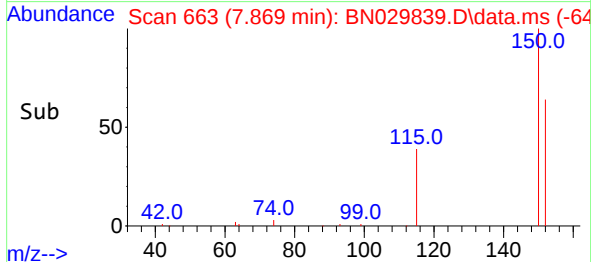
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



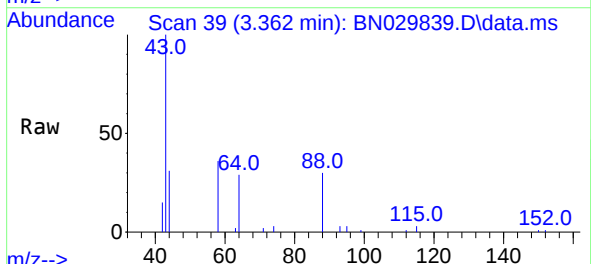
Tgt Ion: 152 Resp: 483
Ion Ratio Lower Upper
152 100
150 153.6 123.0 184.4
115 64.2 51.4 77.0

Manual Integrations
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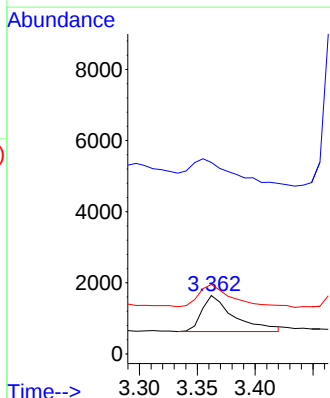
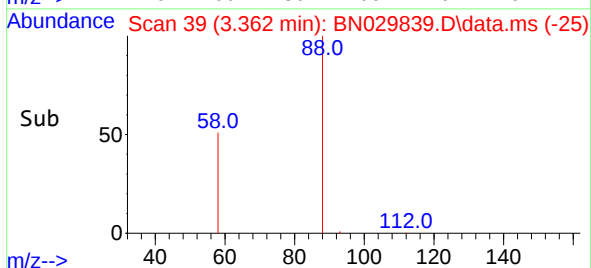
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024

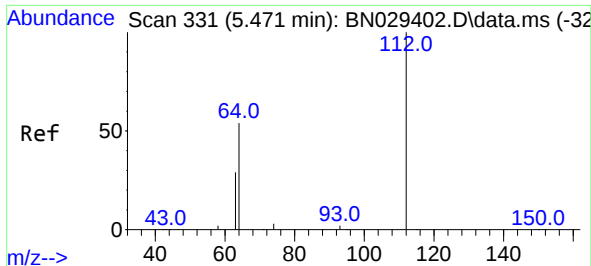


#2
1,4-Dioxane
Concen: 0.289 ng
RT: 3.362 min Scan# 39
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37



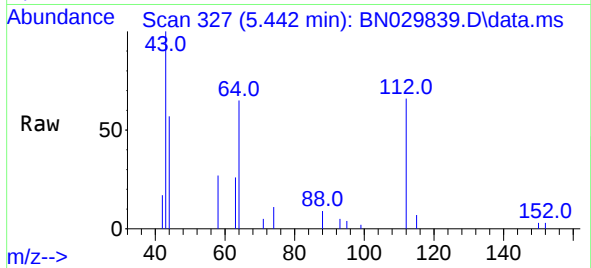
Tgt Ion: 88 Resp: 1963
Ion Ratio Lower Upper
88 100
43 79.6 23.3 34.9#
58 60.3 53.8 80.6





#4
2-Fluorophenol
Concen: 0.244 ng
RT: 5.442 min Scan# 311
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

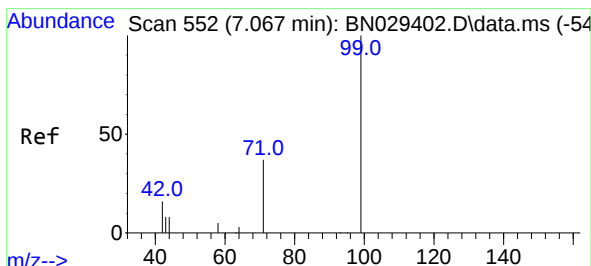
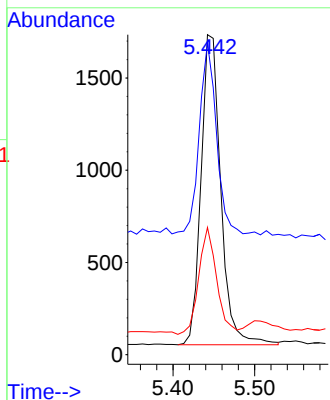
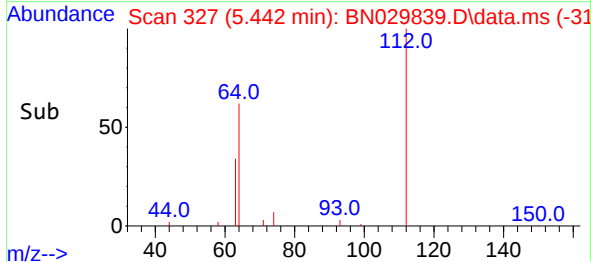
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion: 112 Resp: 283
Ion Ratio Lower Upper
112 100
64 53.2 47.2 70.8
63 31.3 25.8 38.6

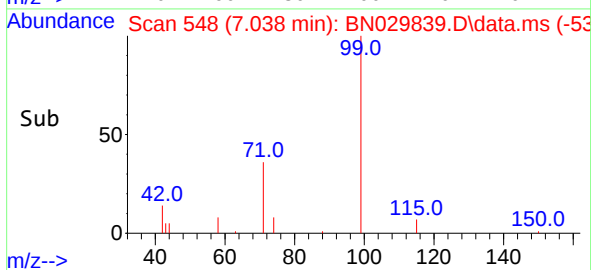
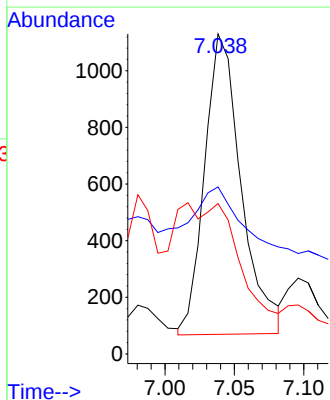
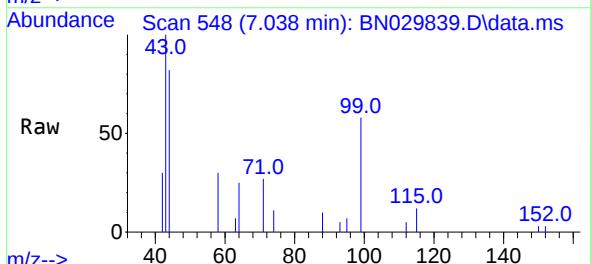
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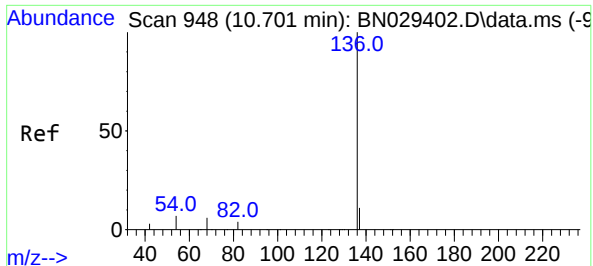
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#5
Phenol-d6
Concen: 0.145 ng
RT: 7.038 min Scan# 548
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

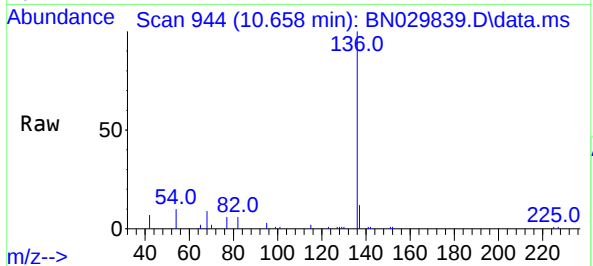
Tgt Ion: 99 Resp: 1946
Ion Ratio Lower Upper
99 100
42 36.1 16.9 25.3#
71 0.0 30.0 45.0#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.658 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

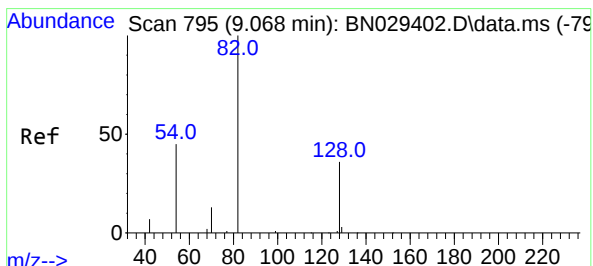
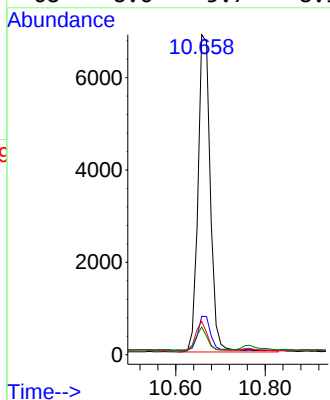
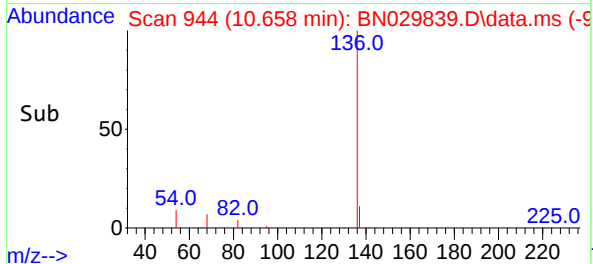
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:	136	Resp:	1327
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.7	14.5
54	10.4	6.6	10.0
68	8.6	5.7	8.5

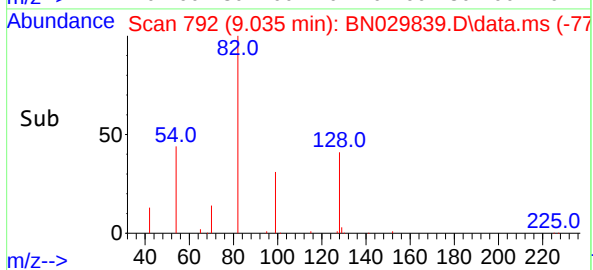
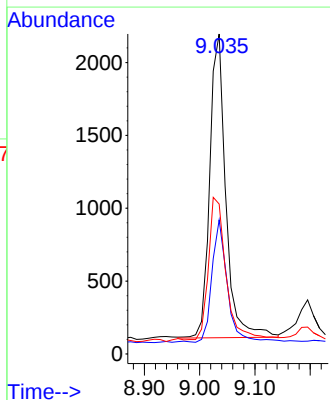
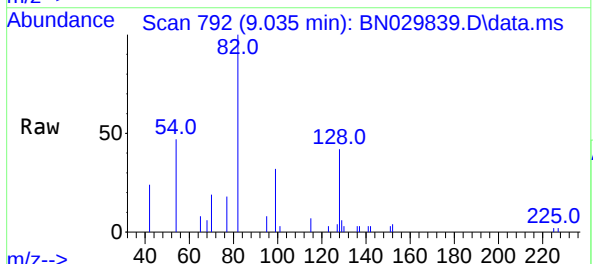
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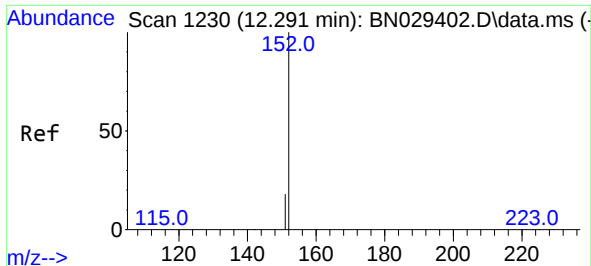
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 9.035 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

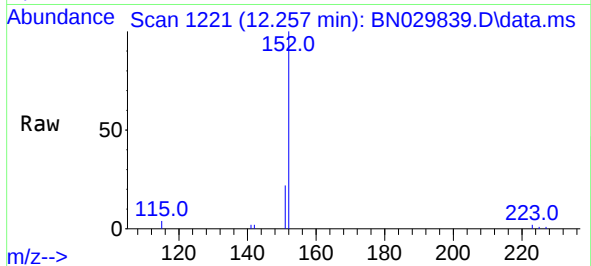
Tgt Ion:	82	Resp:	4233
Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.6	47.4
54	46.9	38.2	57.4





#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 12.257 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

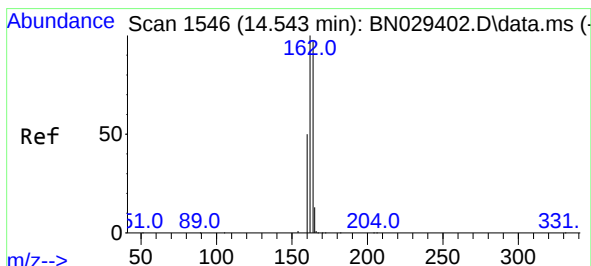
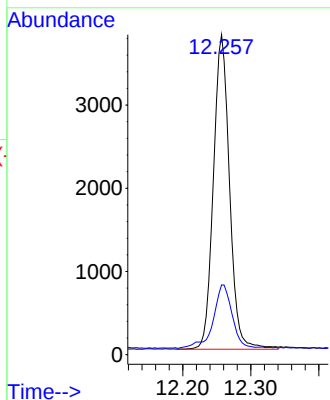
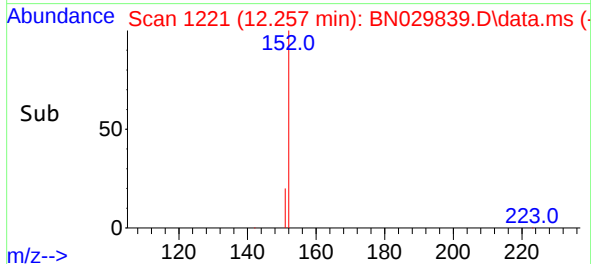
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:152 Resp: 621
Ion Ratio Lower Upper
152 100
151 23.2 17.1 25.7

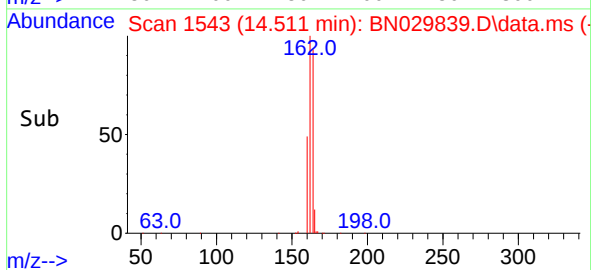
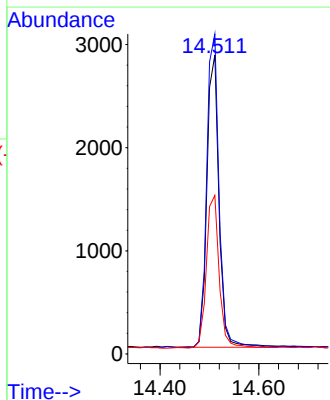
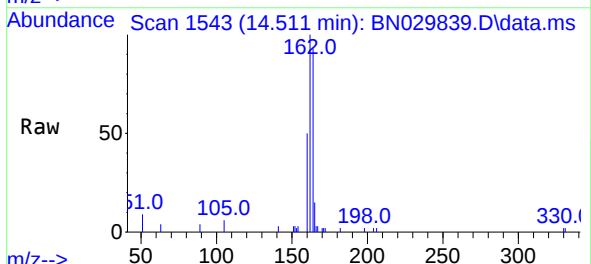
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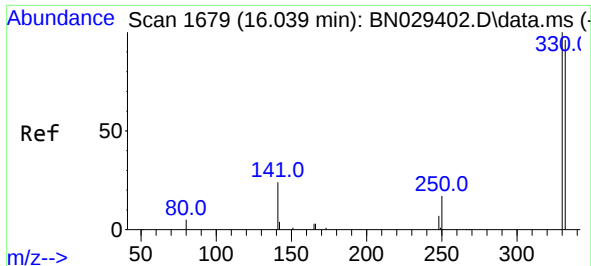
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.511 min Scan# 1543
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

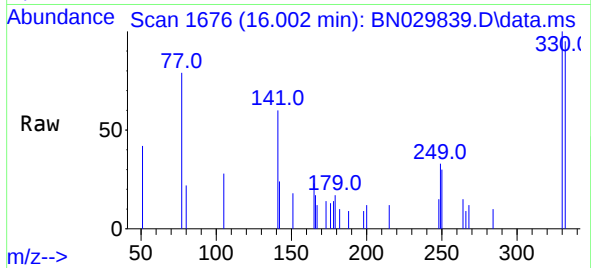
Tgt Ion:164 Resp: 4816
Ion Ratio Lower Upper
164 100
162 107.0 82.6 123.8
160 53.0 41.5 62.3





#14
2,4,6-Tribromophenol
Concen: 0.658 ng
RT: 16.002 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

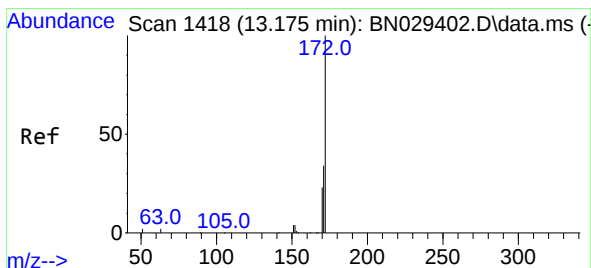
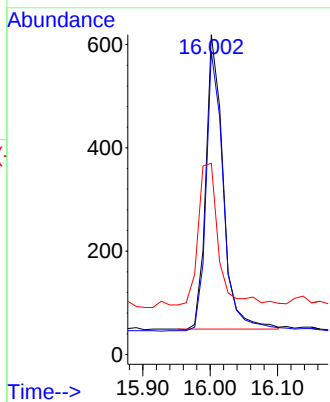
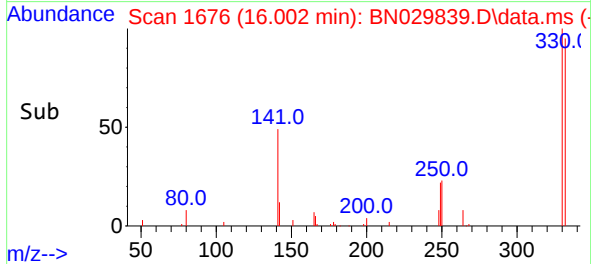
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:330 Resp: 1010
Ion Ratio Lower Upper
330 100
332 96.4 76.0 114.0
141 56.1 43.4 65.2

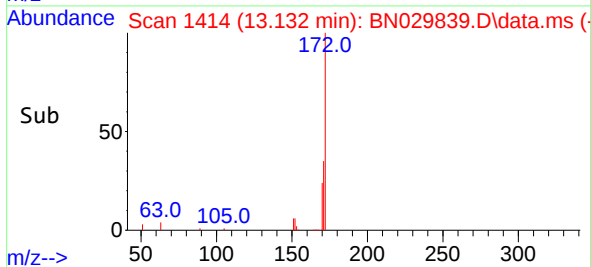
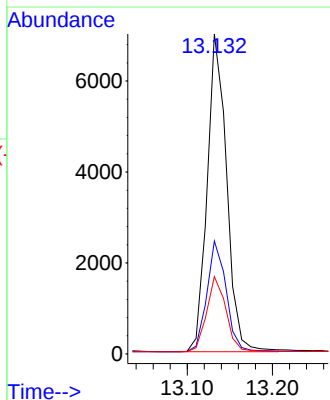
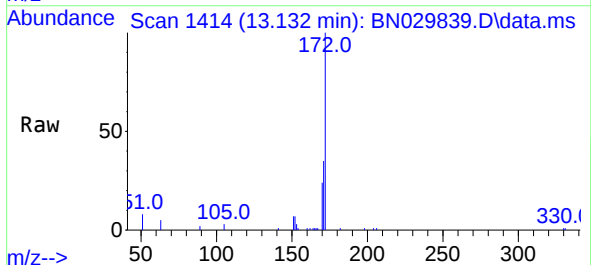
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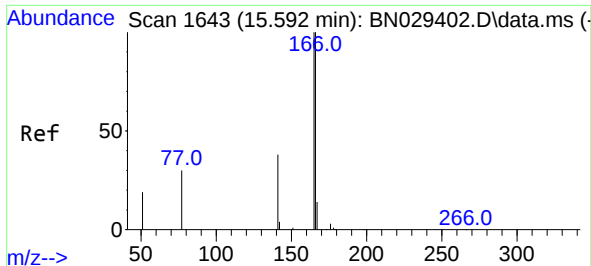
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#15
2-Fluorobiphenyl
Concen: 0.536 ng
RT: 13.132 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

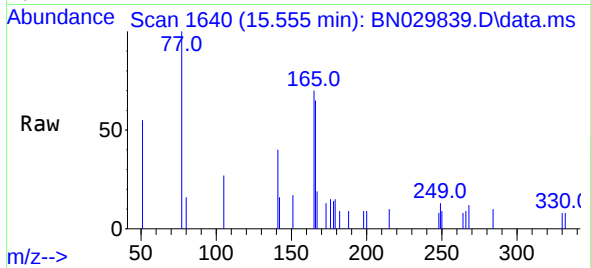
Tgt Ion:172 Resp: 11089
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 24.1 18.7 28.1





#18
Fluorene
Concen: 0.031 ng
RT: 15.555 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

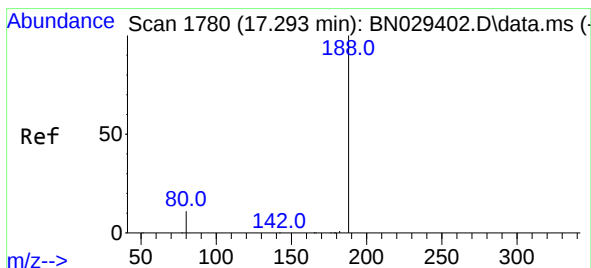
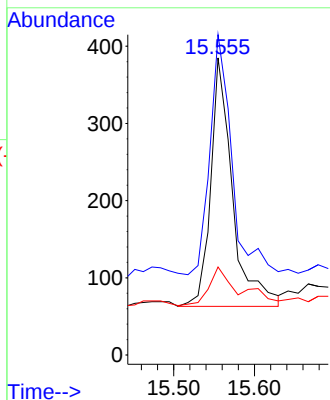
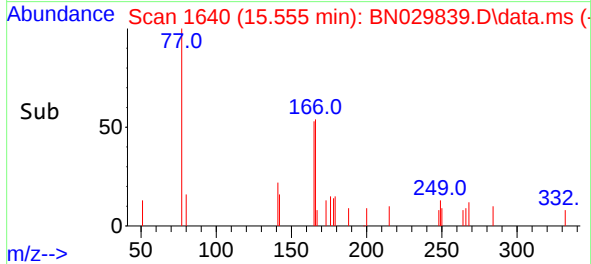
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:166 Resp: 604
Ion Ratio Lower Upper
166 100
165 97.5 79.9 119.9
167 22.2 11.3 16.9

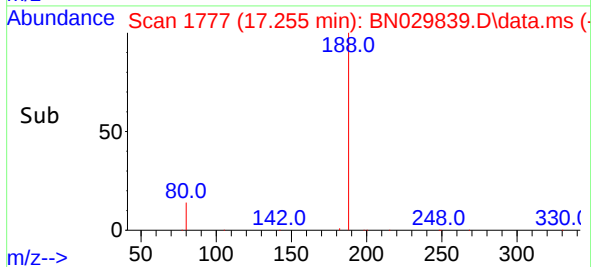
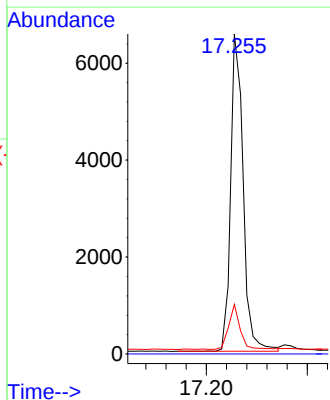
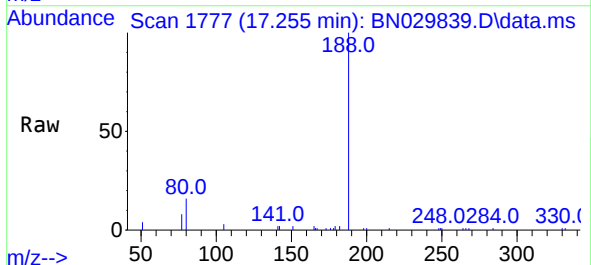
Manual Integrations
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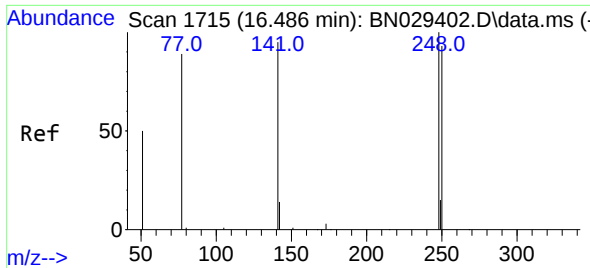
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.255 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

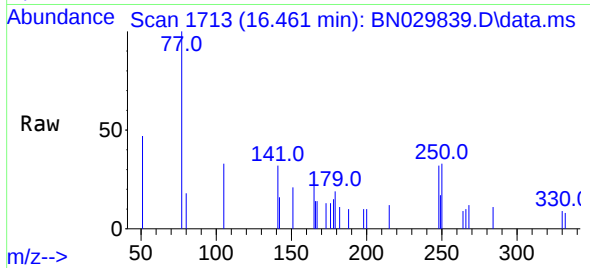
Tgt Ion:188 Resp: 11278
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.5 10.0 15.0





#21
4-Bromophenyl-phenylether
Concen: 0.033 ng
RT: 16.461 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

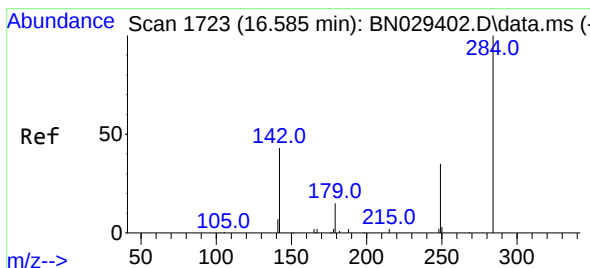
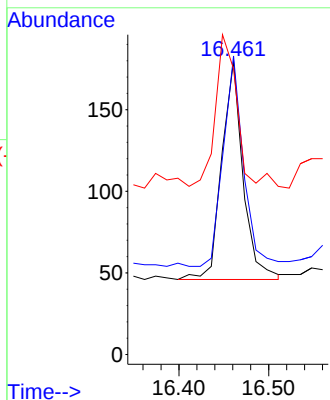
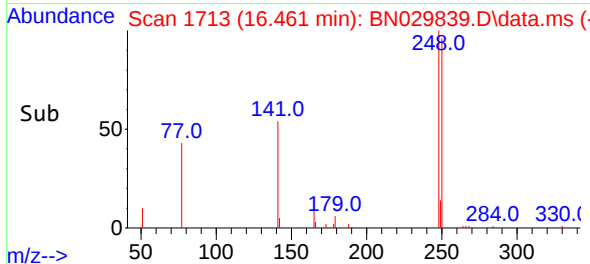
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:248 Resp: 220
Ion Ratio Lower Upper
248 100
250 101.7 75.0 112.4
141 97.2 77.0 115.6

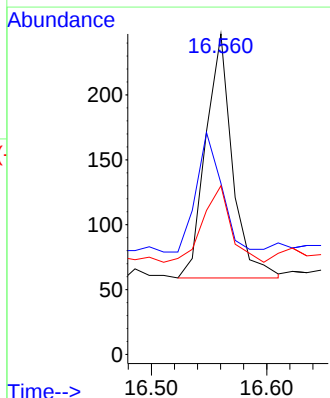
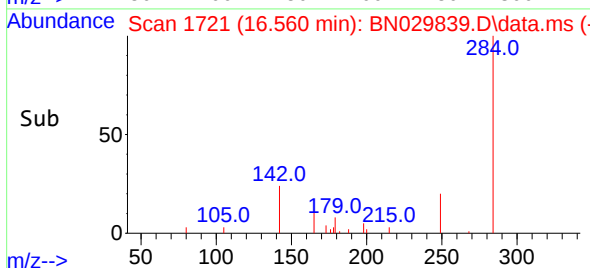
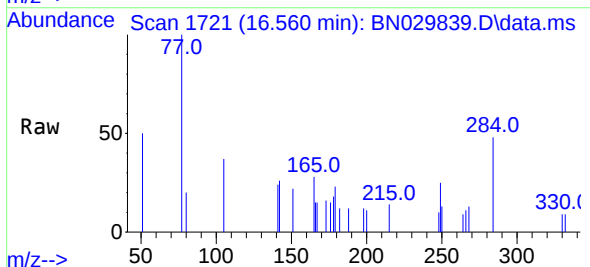
Manual Integrations
APPROVED

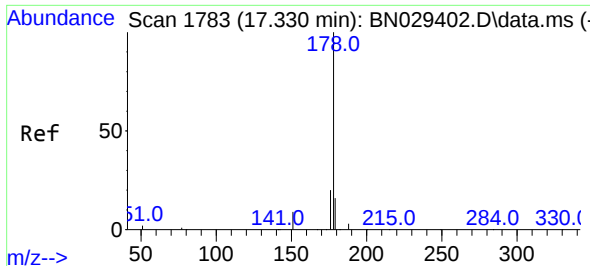
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#22
Hexachlorobenzene
Concen: 0.037 ng
RT: 16.560 min Scan# 1721
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

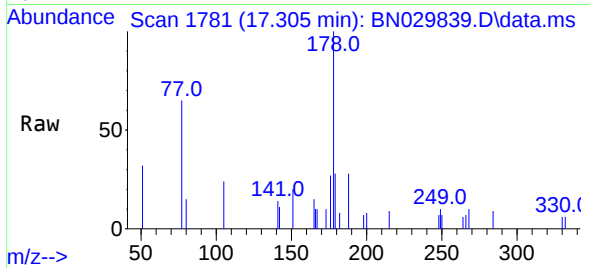
Tgt Ion:284 Resp: 302
Ion Ratio Lower Upper
284 100
142 46.7 39.4 59.2
249 32.8 26.9 40.3





#25
Phenanthrene
Concen: 0.034 ng m
RT: 17.305 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

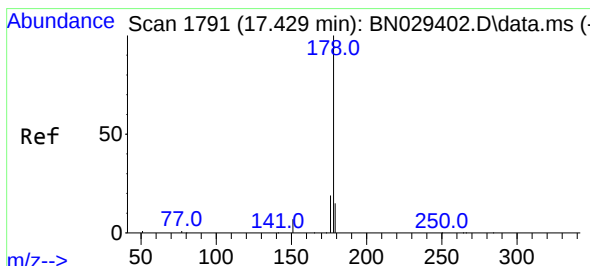
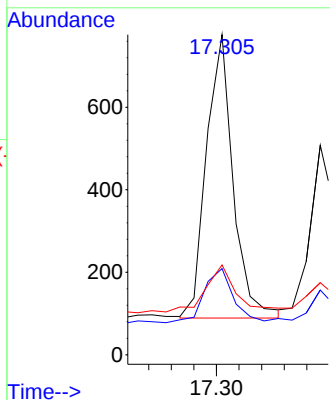
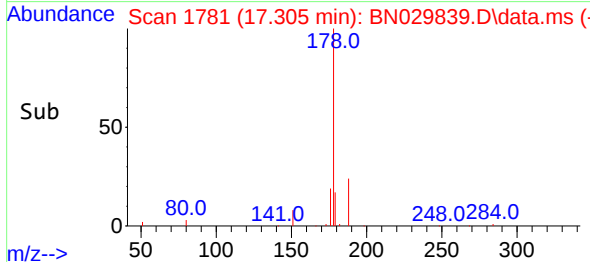
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



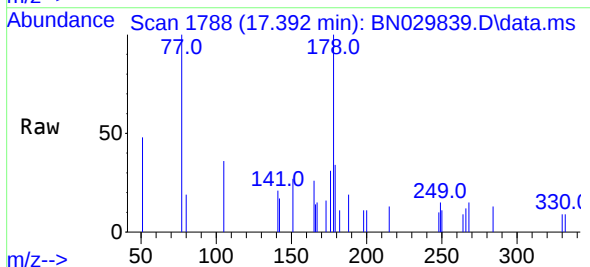
Tgt Ion:178 Resp: 1132
Ion Ratio Lower Upper
178 100
176 12.9 15.8 23.6
179 9.2 12.6 19.0

Manual Integrations
APPROVED

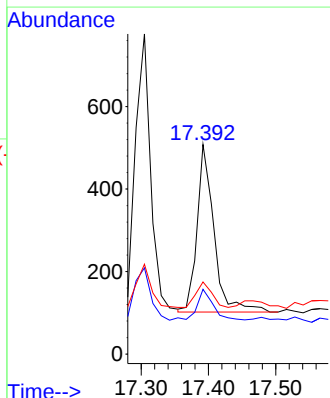
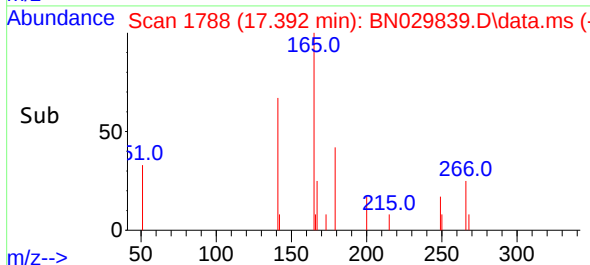
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024

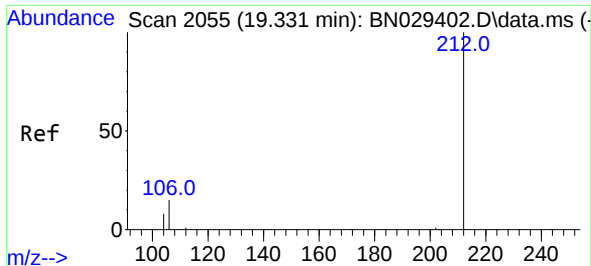


#26
Anthracene
Concen: 0.025 ng
RT: 17.392 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37



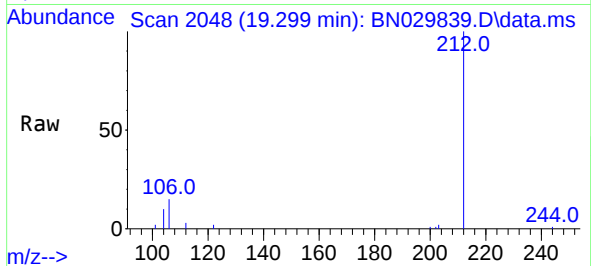
Tgt Ion:178 Resp: 711
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 14.3 12.3 18.5





#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.299 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

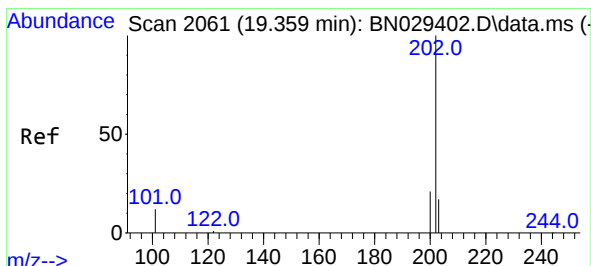
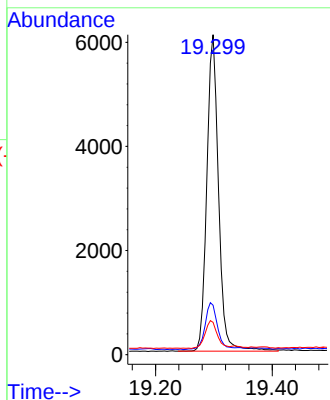
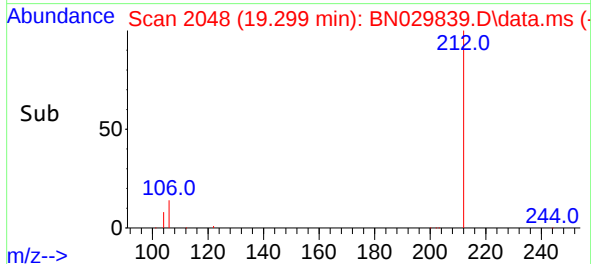
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:212 Resp: 852
Ion Ratio Lower Upper
212 100
106 15.9 13.2 19.8
104 9.1 7.7 11.5

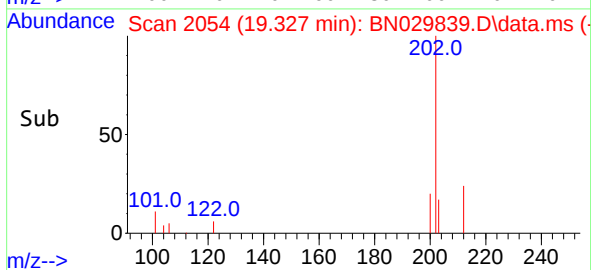
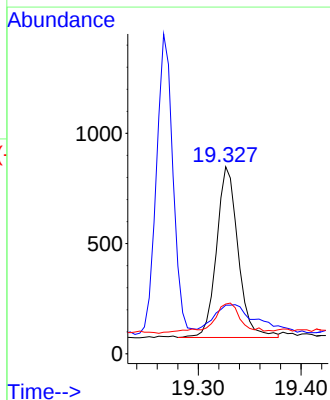
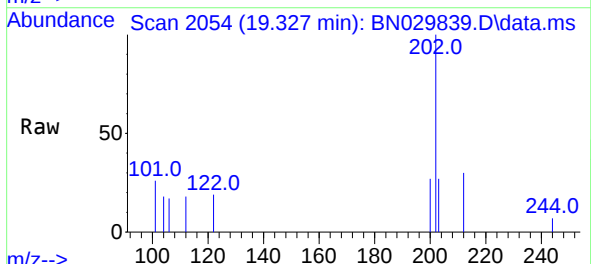
Manual Integrations
APPROVED

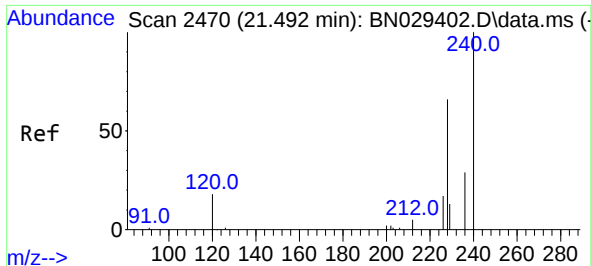
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#28
Fluoranthene
Concen: 0.030 ng
RT: 19.327 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

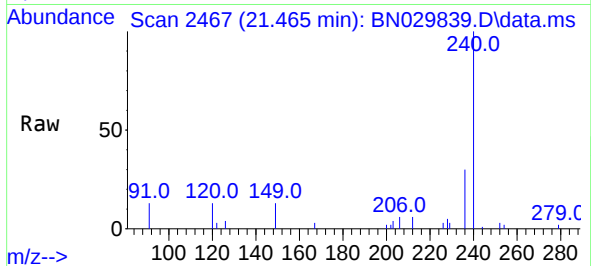
Tgt Ion:202 Resp: 1129
Ion Ratio Lower Upper
202 100
101 32.7 10.5 15.7#
203 23.7 13.5 20.3#





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.465 min Scan# 2470
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

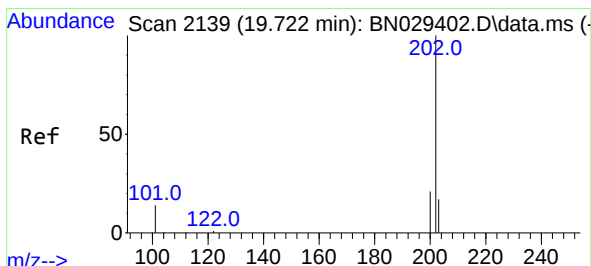
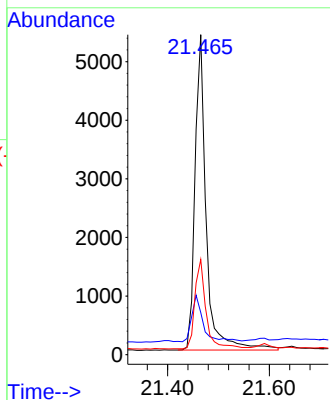
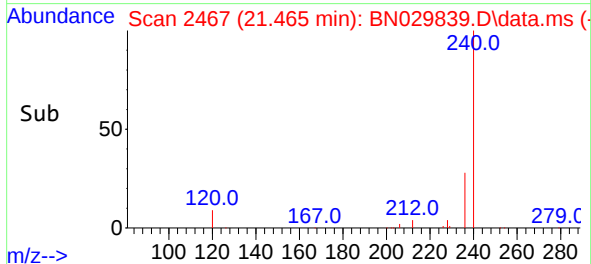
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:240 Resp: 8209
Ion Ratio Lower Upper
240 100
120 13.2 16.7 25.1
236 29.8 23.9 35.9

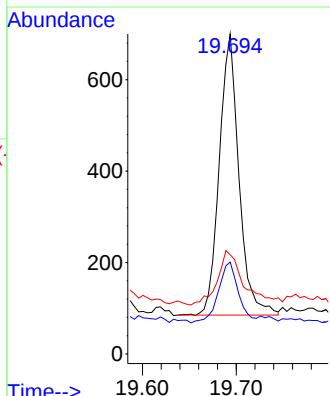
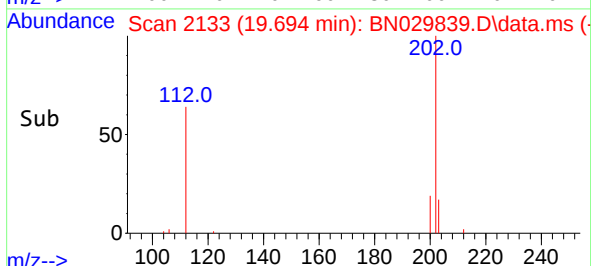
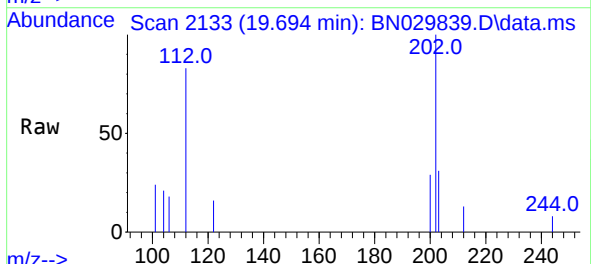
Manual Integrations
APPROVED

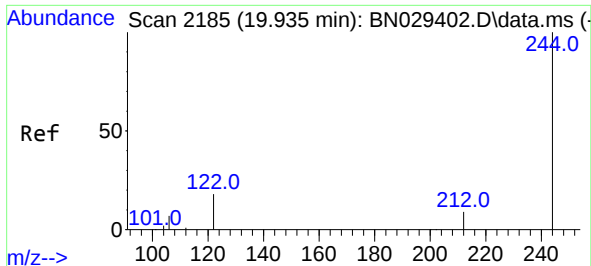
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#30
Pyrene
Concen: 0.024 ng
RT: 19.694 min Scan# 2133
Delta R.T. 0.005 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

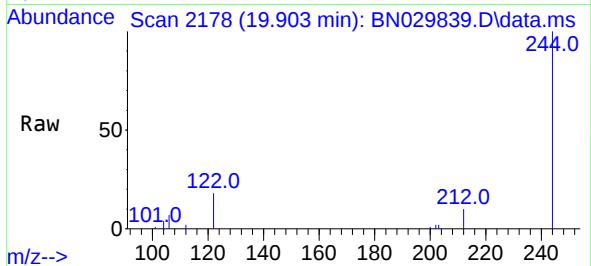
Tgt Ion:202 Resp: 894
Ion Ratio Lower Upper
202 100
200 22.1 16.6 25.0
203 26.0 14.2 21.4





#31
Terphenyl-d14
Concen: 0.449 ng
RT: 19.903 min Scan# 2185
Delta R.T. -0.005 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

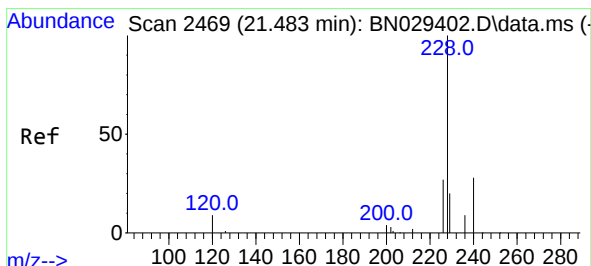
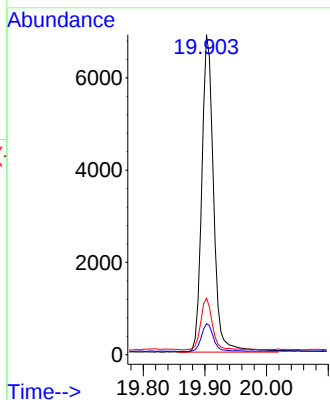
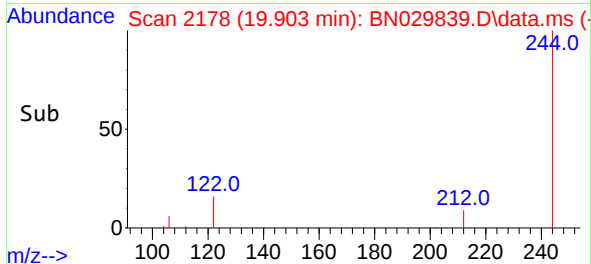
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:244 Resp: 915
Ion Ratio Lower Upper
244 100
212 9.7 8.2 12.4
122 17.6 15.6 23.4

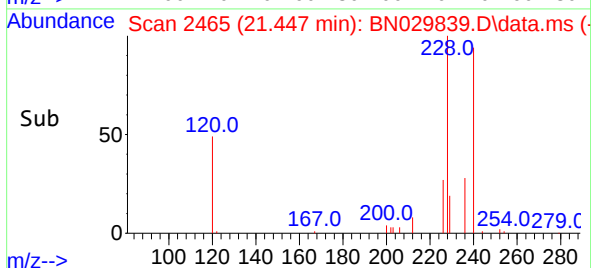
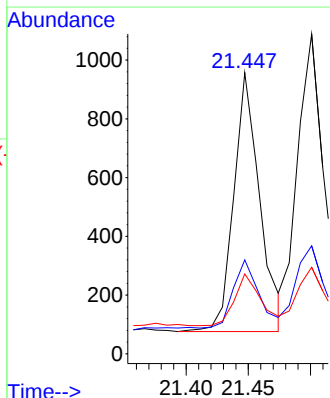
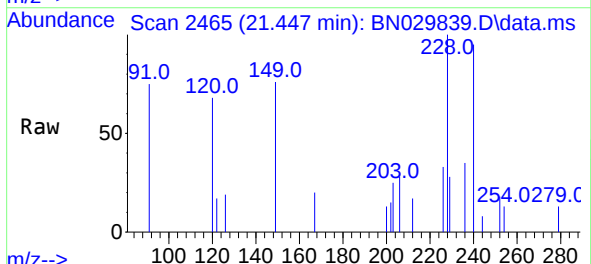
Manual Integrations
APPROVED

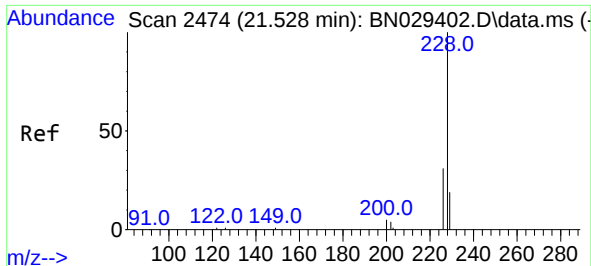
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#32
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.447 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

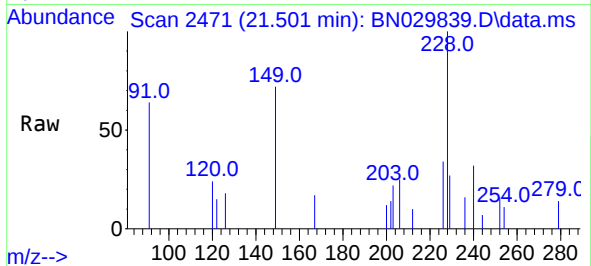
Tgt Ion:228 Resp: 1278
Ion Ratio Lower Upper
228 100
226 33.4 22.2 33.4#
229 28.4 16.5 24.7#





#33
Chrysene
Concen: 0.045 ng
RT: 21.501 min Scan# 2471
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

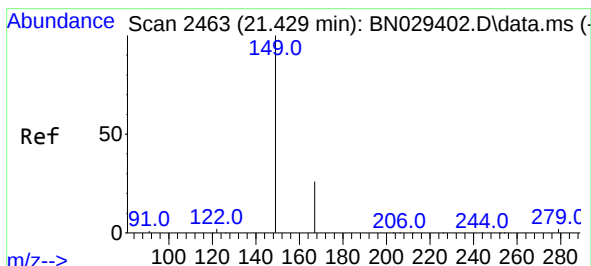
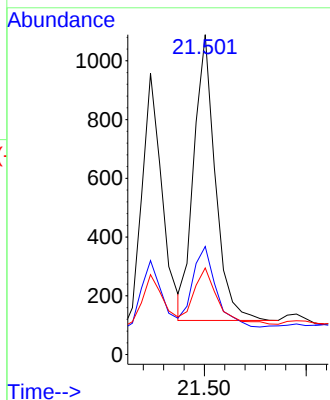
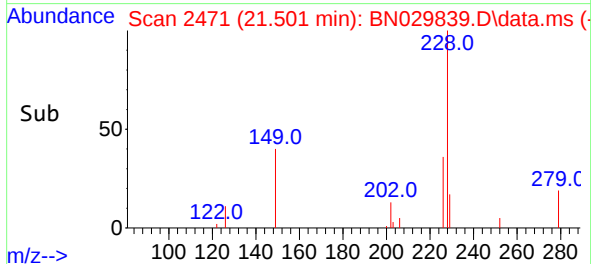
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



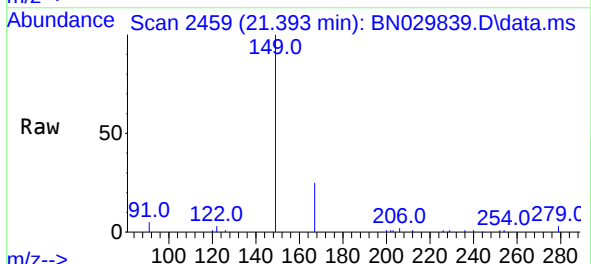
Tgt Ion:228 Resp: 1420
Ion Ratio Lower Upper
228 100
226 33.8 24.9 37.3
229 27.1 15.9 23.9

Manual Integrations
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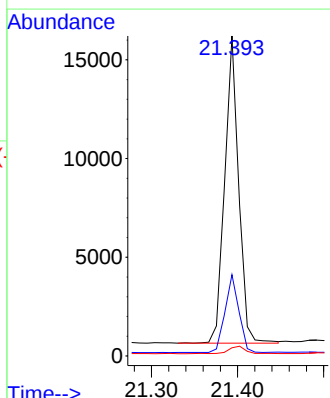
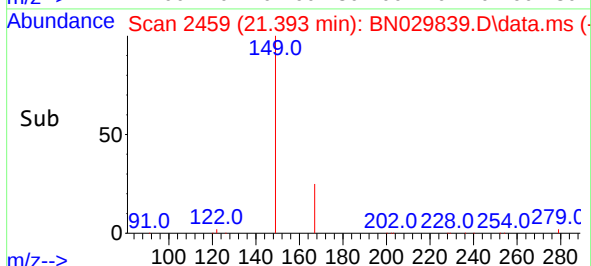
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024

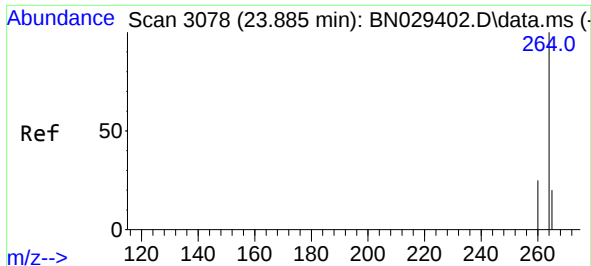


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.912 ng
RT: 21.393 min Scan# 2459
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37



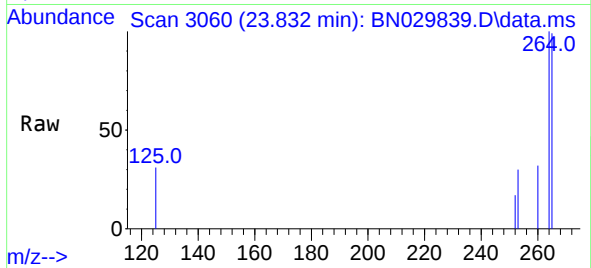
Tgt Ion:149 Resp: 17435
Ion Ratio Lower Upper
149 100
167 25.1 20.1 30.1
279 3.0 2.5 3.7





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.832 min Scan# 3060
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

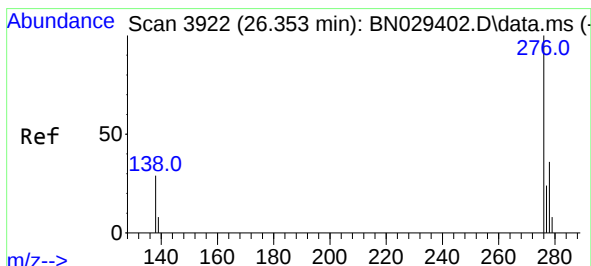
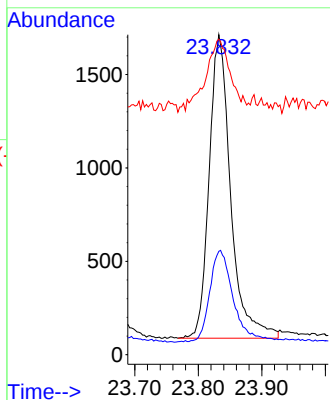
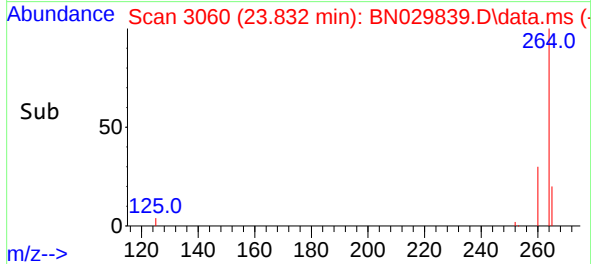
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:264 Resp: 381
Ion Ratio Lower Upper
264 100
260 32.3 21.2 31.8
265 98.6 41.5 62.3

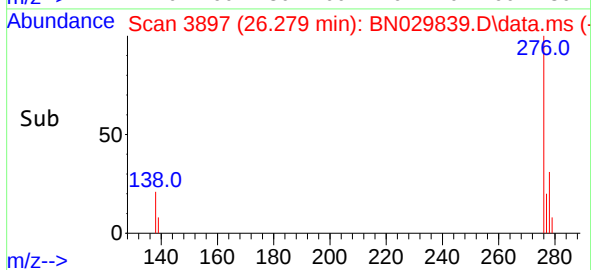
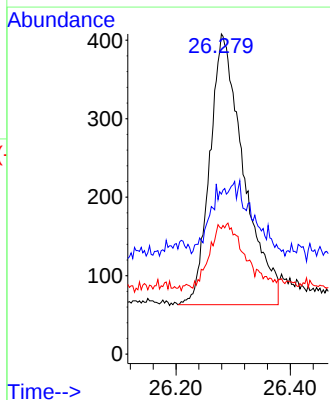
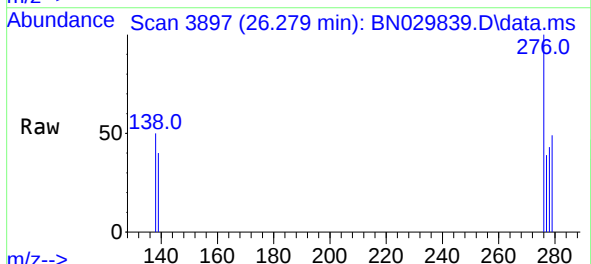
Manual Integrations
APPROVED

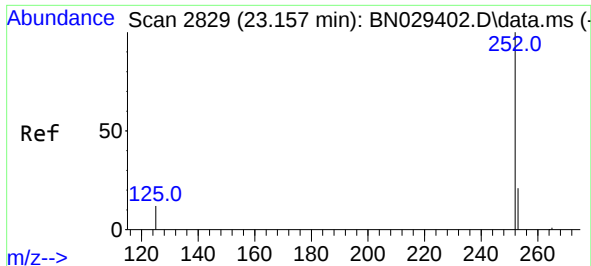
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.092 ng
RT: 26.279 min Scan# 3897
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

Tgt Ion:276 Resp: 1415
Ion Ratio Lower Upper
276 100
138 7.2 20.5 30.7#
277 8.6 17.0 25.4#





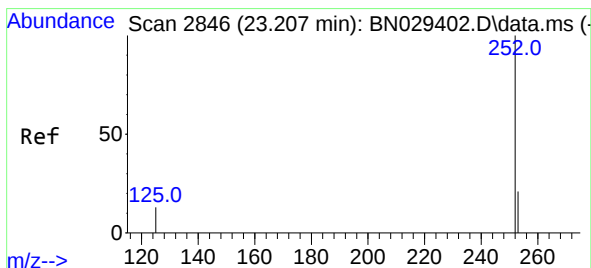
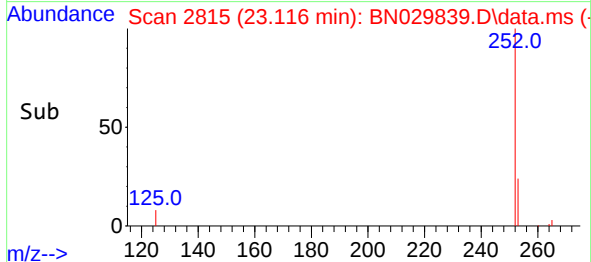
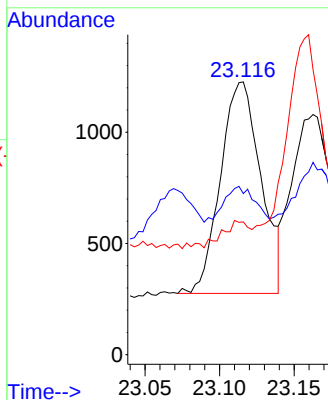
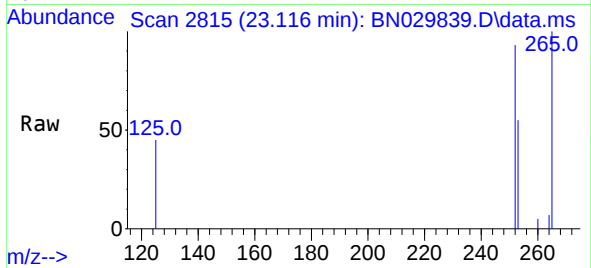
#37
Benzo(b)fluoranthene
Concen: 0.132 ng
RT: 23.116 min Scan# 2815
Delta R.T. 0.006 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767

Tgt Ion:252 Resp: 1798
Ion Ratio Lower Upper
252 100
253 59.1 21.7 32.5#
125 48.7 13.3 19.9#

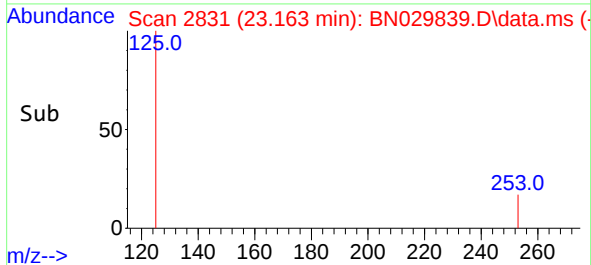
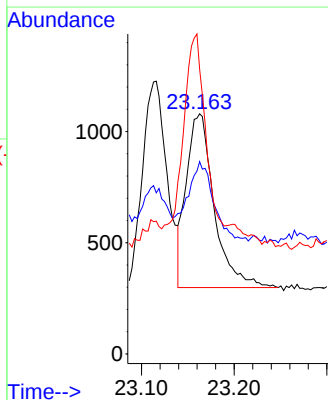
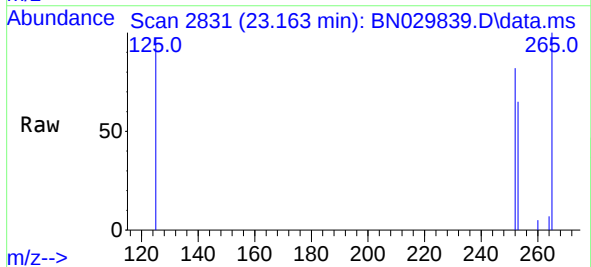
Manual Integrations
APPROVED

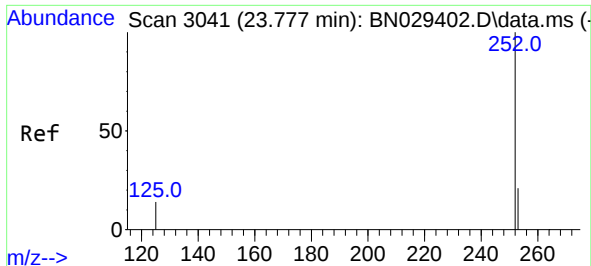
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#38
Benzo(k)fluoranthene
Concen: 0.114 ng
RT: 23.163 min Scan# 2831
Delta R.T. 0.003 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

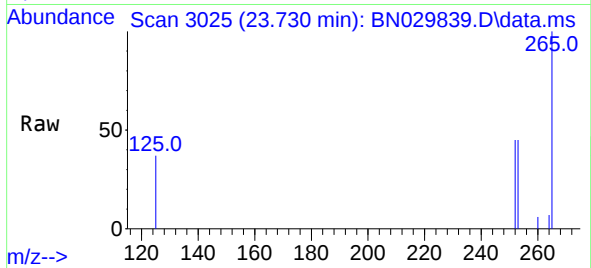
Tgt Ion:252 Resp: 1632
Ion Ratio Lower Upper
252 100
253 80.1 21.8 32.8#
125 118.6 13.9 20.9#





#39
Benzo(a)pyrene
Concen: 0.066 ng
RT: 23.730 min Scan# 3041
Delta R.T. 0.003 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

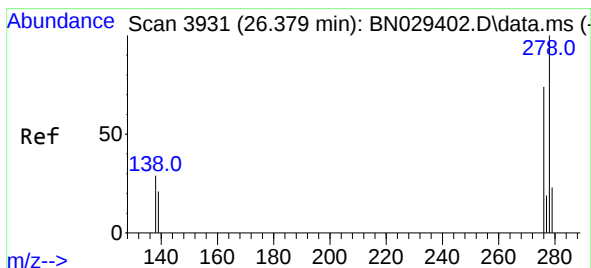
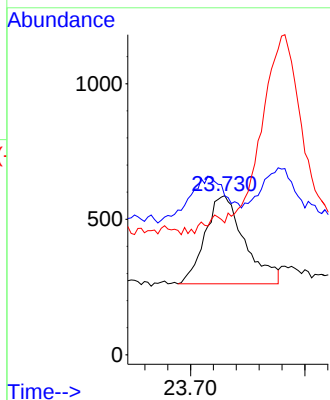
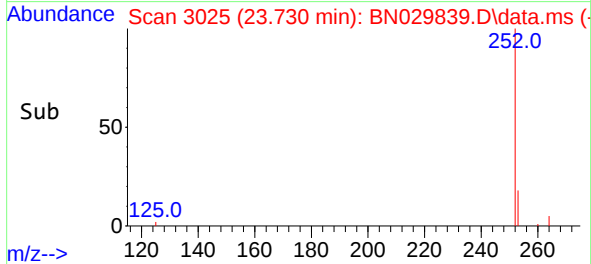
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:252 Resp: 78
Ion Ratio Lower Upper
252 100
253 99.8 24.9 37.3
125 83.0 16.6 25.0

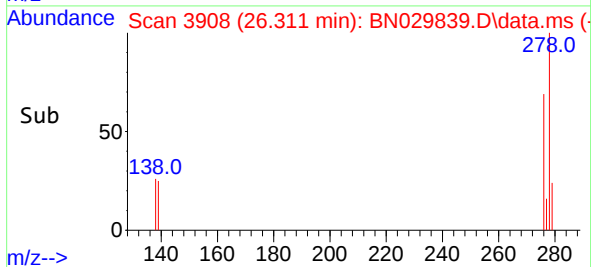
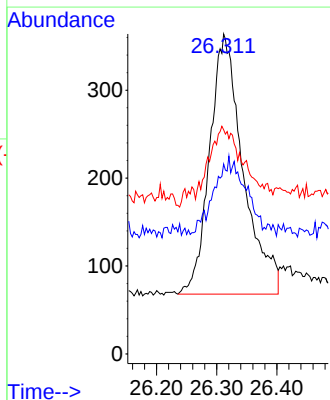
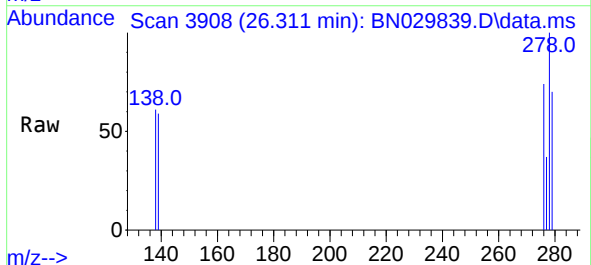
Manual Integrations
APPROVED

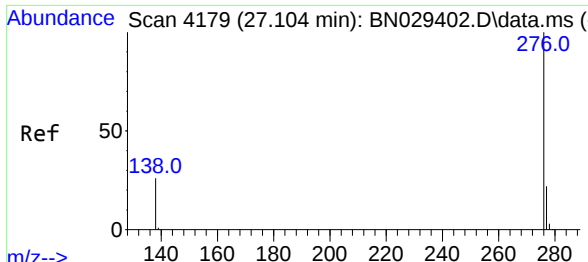
Reviewed By :Yogesh Patel 02/17/2024
Supervised By :mohammad ahmed 02/17/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.094 ng
RT: 26.311 min Scan# 3908
Delta R.T. -0.000 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

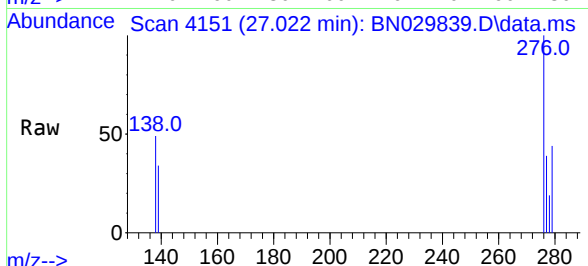
Tgt Ion:278 Resp: 1144
Ion Ratio Lower Upper
278 100
139 59.3 20.4 30.6#
279 70.1 25.0 37.6#





#41
Benzo(g,h,i)perylene
Concen: 0.092 ng
RT: 27.022 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN029839.D
Acq: 16 Feb 2024 22:37

Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-765-767



Tgt Ion:276 Resp: 1360
Ion Ratio Lower Upper
276 100
277 38.6 19.4 29.2
138 49.0 23.5 35.3

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