

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
 Data File : BN035089.D
 Acq On : 14 Nov 2024 15:58
 Operator : RC/JU
 Sample : P3845-21DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

Quant Time: Nov 14 16:42:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 17:18:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	2693	0.400	ng	0.00
7) Naphthalene-d8	10.308	136	7409	0.400	ng	#-0.01
13) Acenaphthene-d10	14.190	164	5720	0.400	ng	0.00
19) Phenanthrene-d10	16.933	188	13630	0.400	ng	# 0.00
29) Chrysene-d12	21.134	240	13954	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	14576	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	258	0.038	ng	0.00
5) Phenol-d6	6.737	99	338	0.039	ng	0.00
8) Nitrobenzene-d5	8.685	82	268	0.042	ng	-0.01
11) 2-Methylnaphthalene-d10	11.912	152	552	0.042	ng	0.00
14) 2,4,6-Tribromophenol	15.691	330	71	0.017	ng	0.00
15) 2-Fluorobiphenyl	12.800	172	946	0.041	ng	0.00
27) Fluoranthene-d10	18.973	212	1669	0.040	ng	0.00
31) Terphenyl-d14	19.587	244	1542	0.053	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.362	128	14392	0.744	ng	98
12) 2-Methylnaphthalene	11.984	142	3780	0.265	ng	98
16) Acenaphthylene	13.901	152	28587	1.169	ng	100
17) Acenaphthene	14.244	154	11790	0.736	ng	99
18) Fluorene	15.238	166	14034	0.596	ng	99
25) Phenanthrene	16.982	178	15712	0.438	ng	100
26) Anthracene	17.069	178	12661	0.384	ng	100
28) Fluoranthene	19.006	202	20332	0.412	ng	100
30) Pyrene	19.368	202	12127	0.261	ng	100
32) Benzo(a)anthracene	21.125	228	3504	0.072	ng	97
33) Chrysene	21.169	228	4895	0.102	ng	97
36) Indeno(1,2,3-cd)pyrene	25.458	276	21029	0.362	ng	99
37) Benzo(b)fluoranthene	22.660	252	18620	0.380	ng	99
38) Benzo(k)fluoranthene	22.701	252	10787m	0.220	ng	
39) Benzo(a)pyrene	23.209	252	8902	0.206	ng	# 91
40) Dibenzo(a,h)anthracene	25.469	278	16288	0.354	ng	98
41) Benzo(g,h,i)perylene	26.107	276	5368	0.110	ng	# 94

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

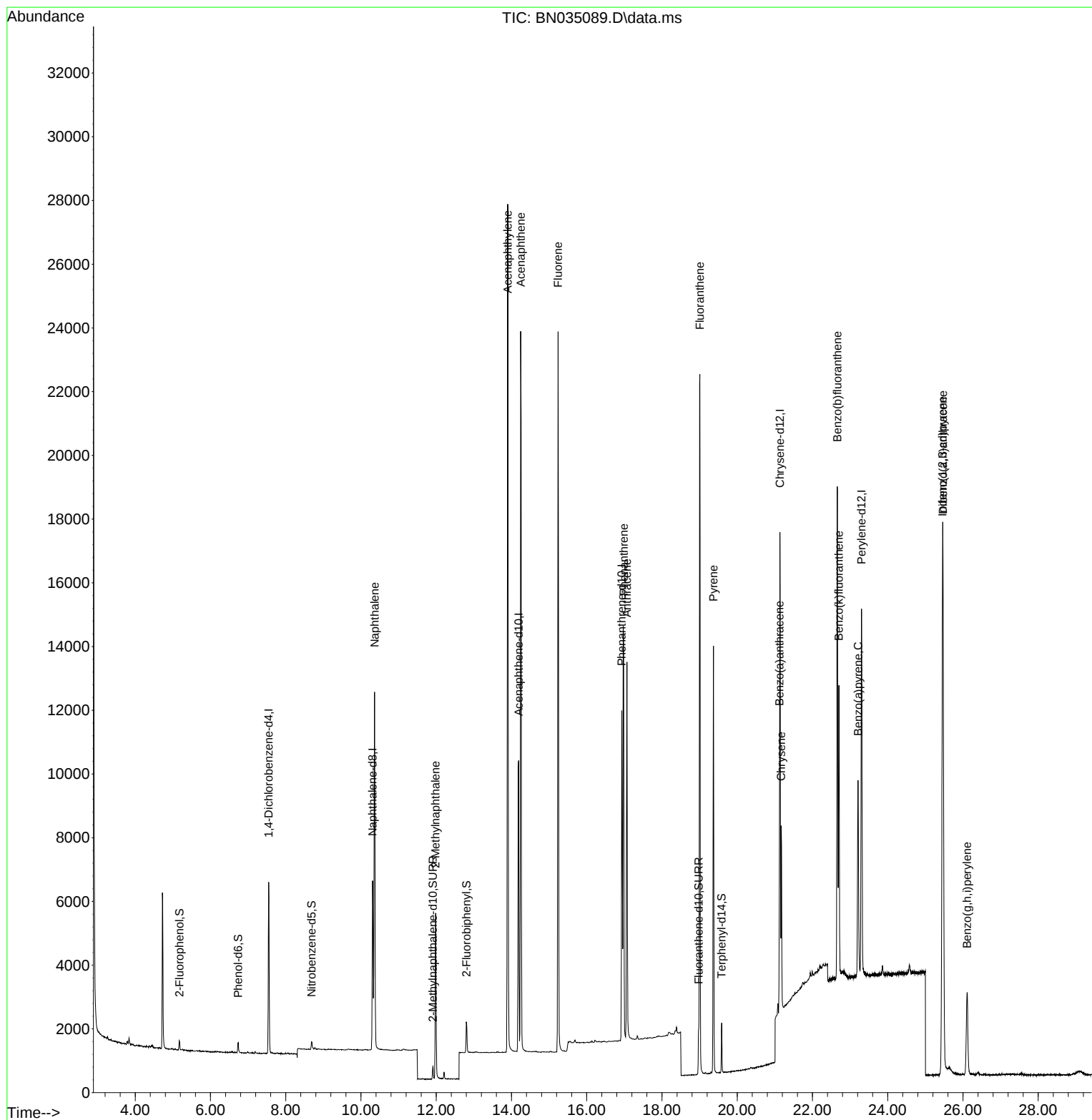
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
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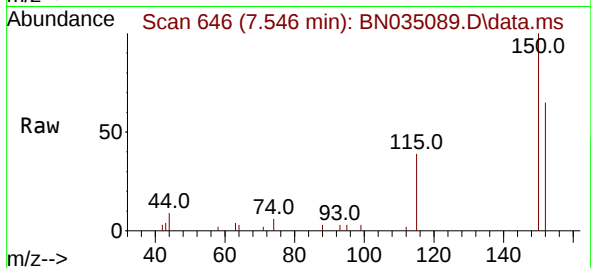
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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.546 min Scan# 647
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL



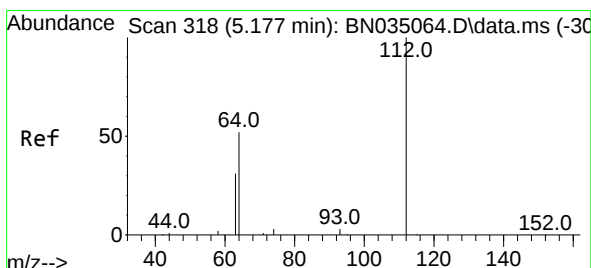
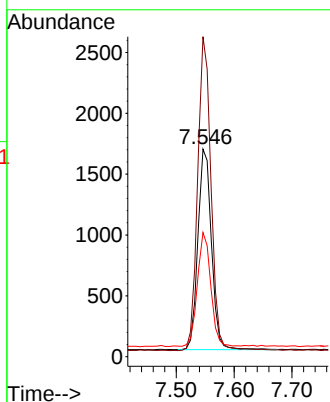
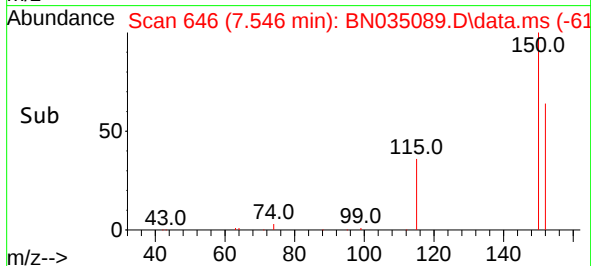
Tgt Ion:152 Resp: 269
Ion Ratio Lower Upper
152 100
150 154.3 124.5 186.7
115 59.9 47.8 71.6

Manual Integrations

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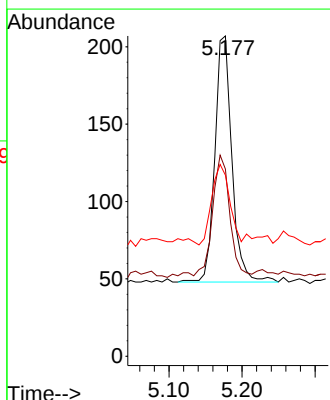
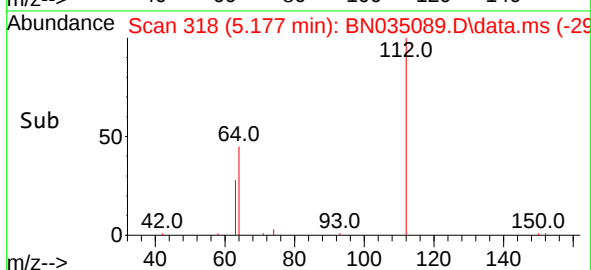
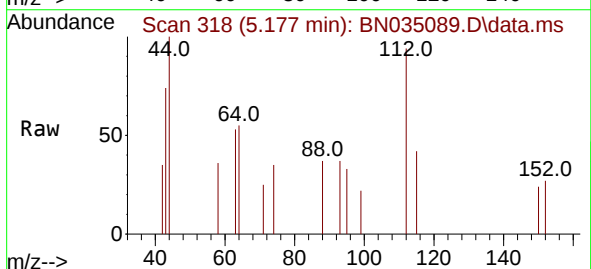
Reviewed By :Yogesh Patel 11/15/2024

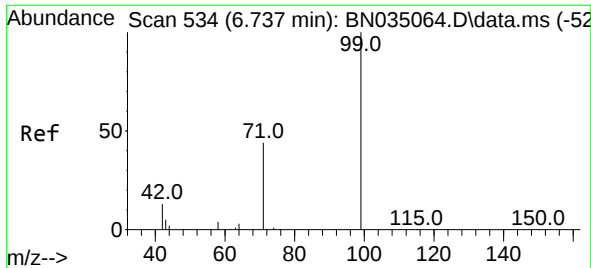
Supervised By :mohammad ahmed 11/15/2024



#4
2-Fluorophenol
Concen: 0.038 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

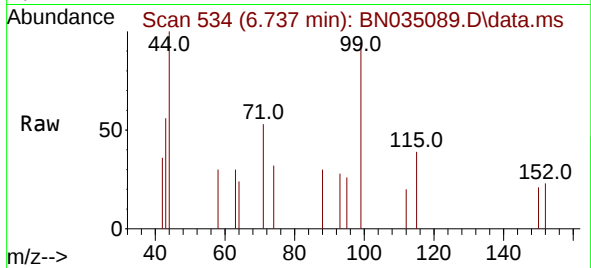
Tgt Ion:112 Resp: 258
Ion Ratio Lower Upper
112 100
64 51.9 39.7 59.5
63 41.1 23.0 34.4#





#5
Phenol-d6
Concen: 0.039 ng
RT: 6.737 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

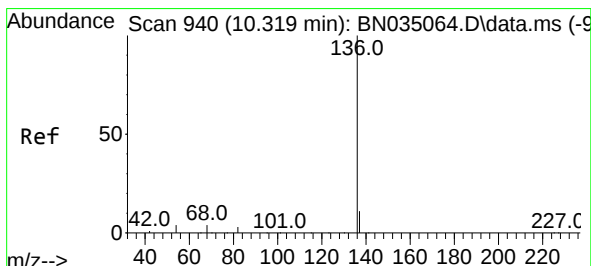
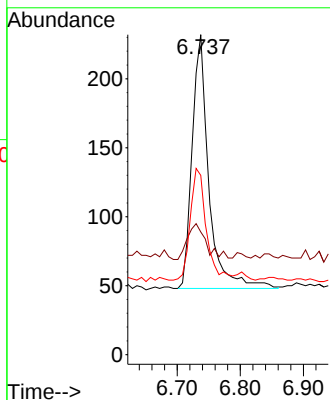
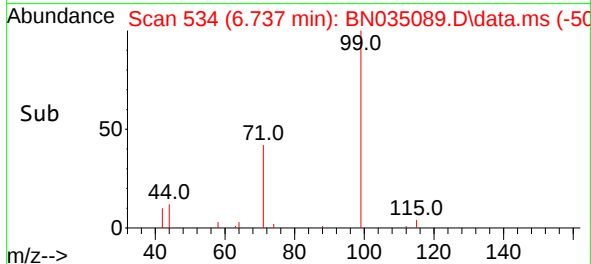
Instrument :
BNA_N
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RR-PAH-WPDL



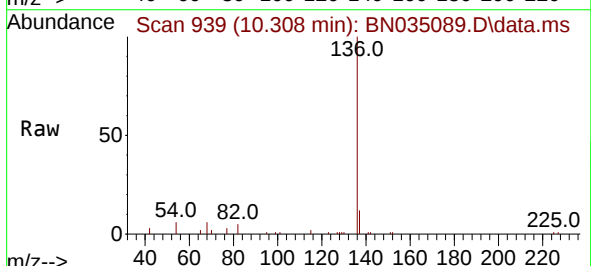
Tgt Ion: 99 Resp: 338
Ion Ratio Lower Upper
99 100
42 16.0 11.4 17.0
71 42.0 34.6 51.8

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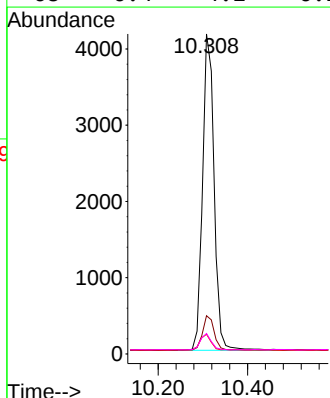
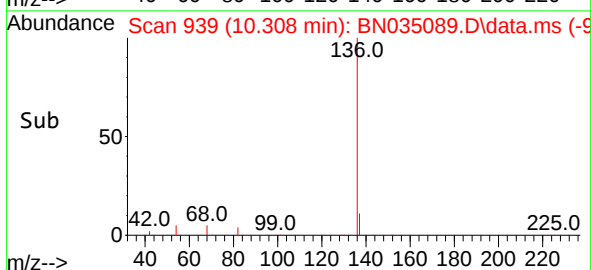
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

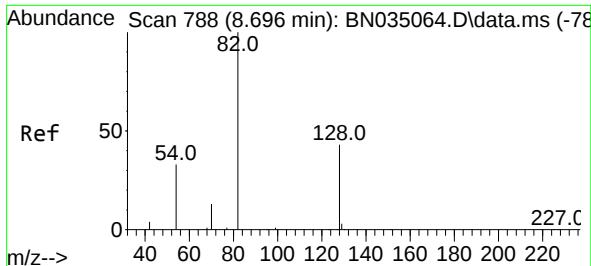


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.308 min Scan# 939
Delta R.T. -0.011 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58



Tgt Ion:136 Resp: 7409
Ion Ratio Lower Upper
136 100
137 12.0 9.8 14.8
54 6.2 4.0 6.0#
68 6.4 4.2 6.2#





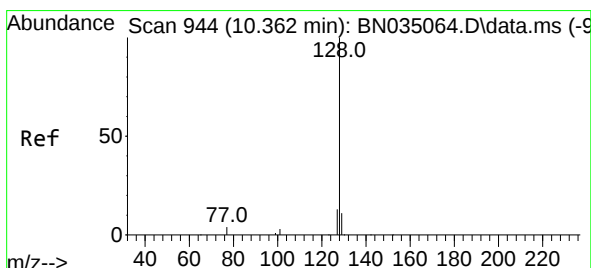
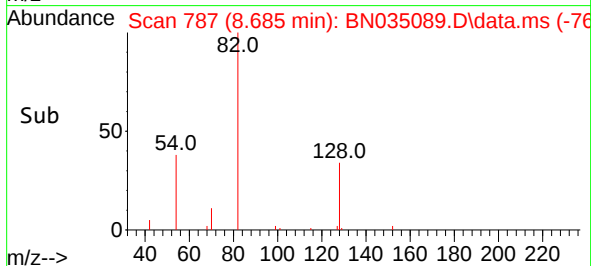
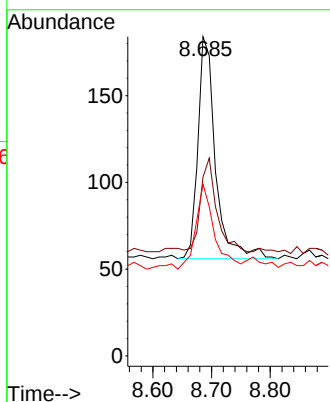
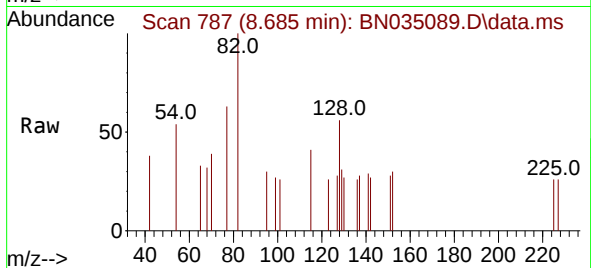
#8
Nitrobenzene-d5
Concen: 0.042 ng
RT: 8.685 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 82 Resp: 268
Ion Ratio Lower Upper
82 100
128 56.0 36.5 54.7
54 53.8 28.7 43.1

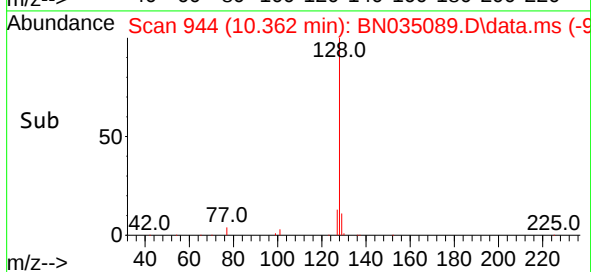
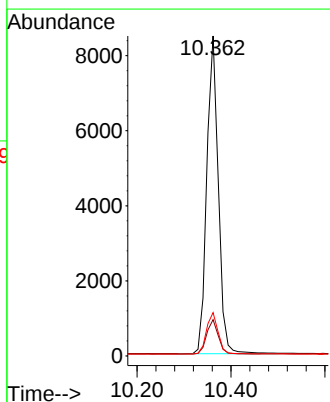
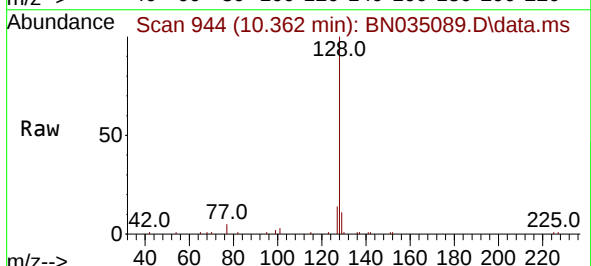
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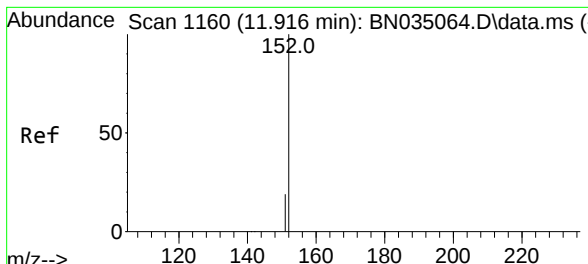
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#9
Naphthalene
Concen: 0.744 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:128 Resp: 14392
Ion Ratio Lower Upper
128 100
129 11.4 9.6 14.4
127 13.5 11.6 17.4





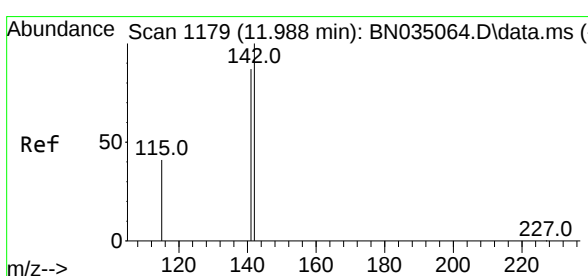
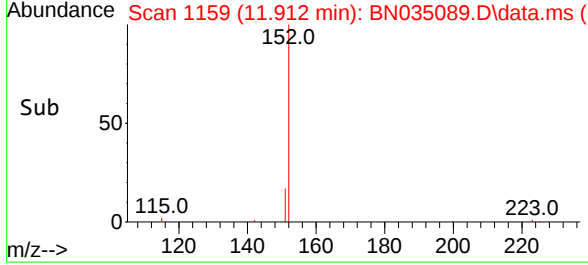
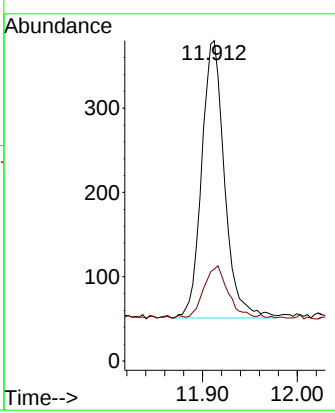
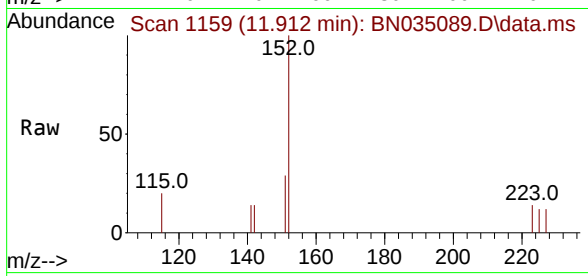
#11
 2-Methylnaphthalene-d10
 Concen: 0.042 ng
 RT: 11.912 min Scan# 1159
 Delta R.T. -0.004 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

Instrument : BNA_N
 ClientSampleId : RR-PAH-WPDL

Tgt Ion:152 Resp: 552

Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.4

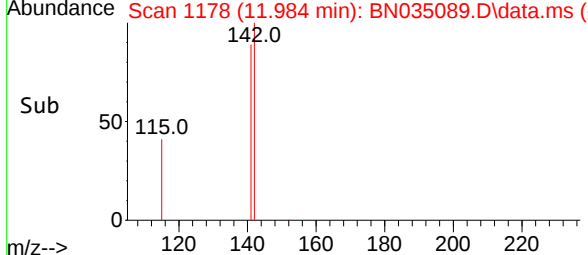
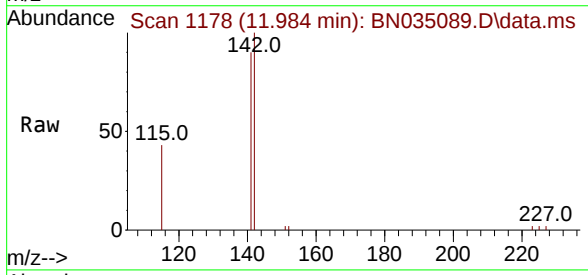
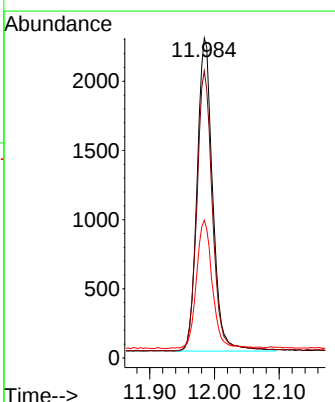
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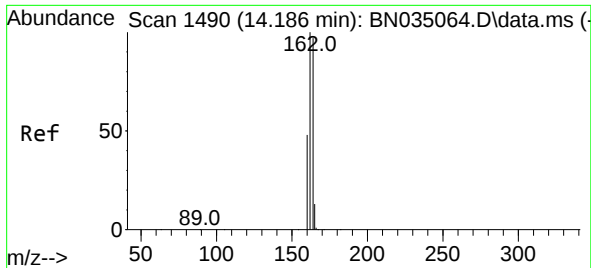


#12
 2-Methylnaphthalene
 Concen: 0.265 ng
 RT: 11.984 min Scan# 1178
 Delta R.T. -0.004 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

Tgt Ion:142 Resp: 3780

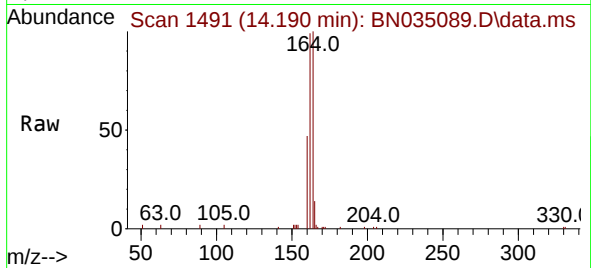
Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.1	105.1
115	43.1	34.4	51.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 1490
Delta R.T. 0.004 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

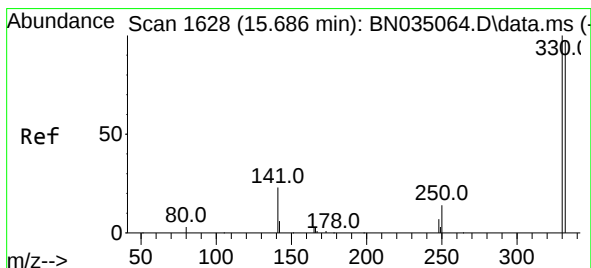
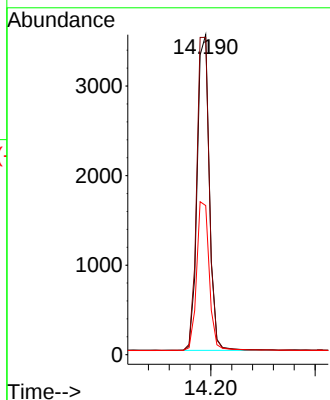
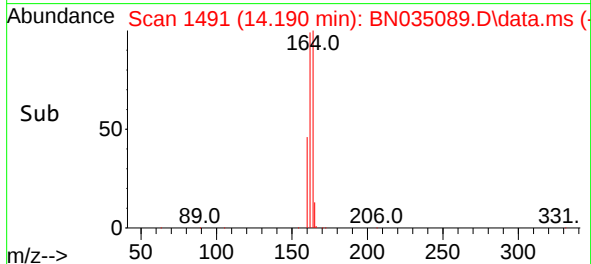
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



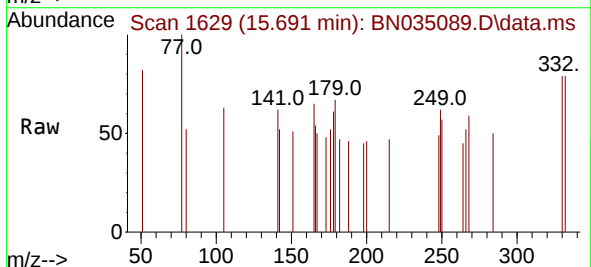
Tgt Ion:164 Resp: 5720
Ion Ratio Lower Upper
164 100
162 99.1 82.2 123.2
160 46.6 40.2 60.4

Manual Integrations
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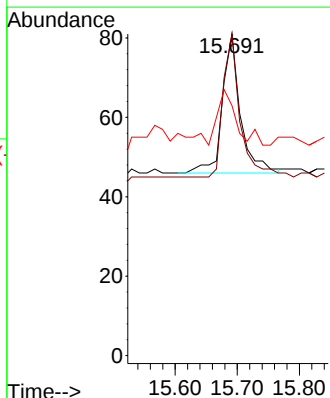
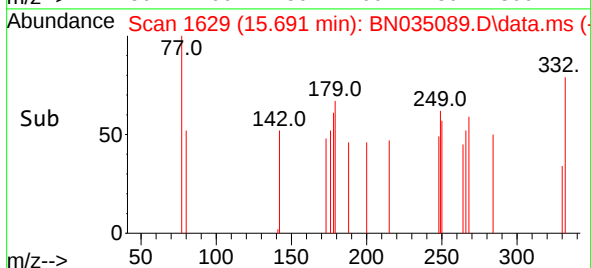
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

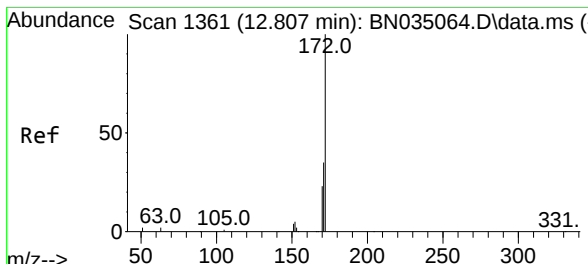


#14
2,4,6-Tribromophenol
Concen: 0.017 ng
RT: 15.691 min Scan# 1629
Delta R.T. 0.005 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58



Tgt Ion:330 Resp: 71
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 43.7 29.6 44.4





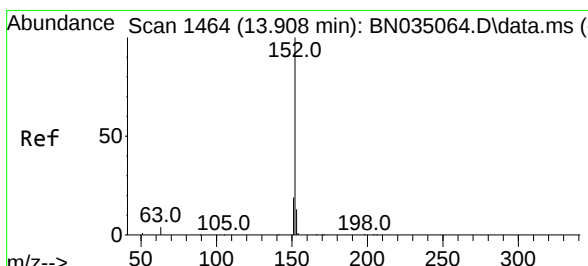
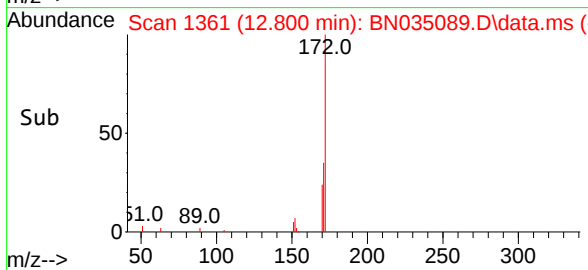
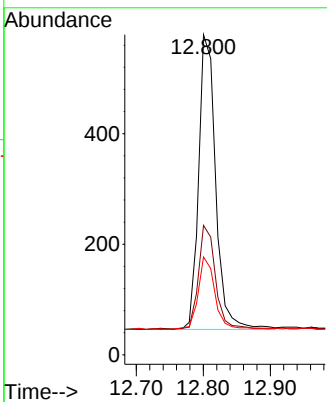
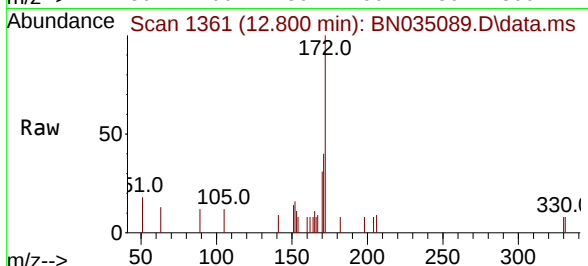
#15
 2-Fluorobiphenyl
 Concen: 0.041 ng
 RT: 12.800 min Scan# 1361
 Delta R.T. -0.007 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

Instrument : BNA_N
 ClientSampleId : RR-PAH-WPDL

Tgt Ion:	172	Resp:	940
Ion Ratio	Lower	Upper	
172	100		
171	40.4	28.2	42.4
170	30.6	19.0	28.6

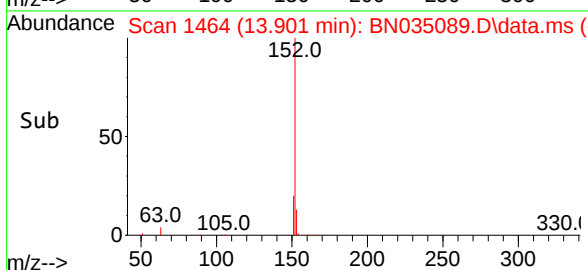
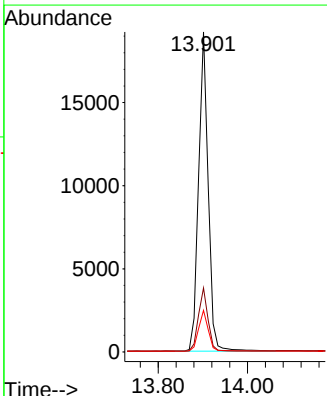
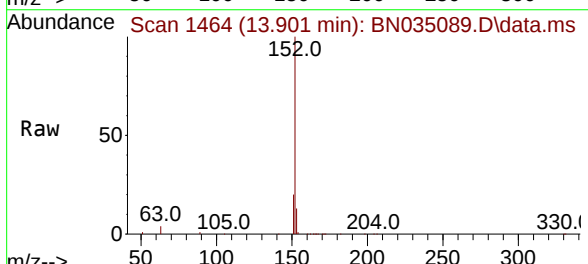
Manual Integrations
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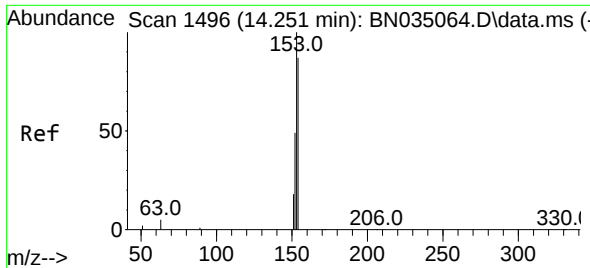
Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024



#16
 Acenaphthylene
 Concen: 1.169 ng
 RT: 13.901 min Scan# 1464
 Delta R.T. -0.007 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

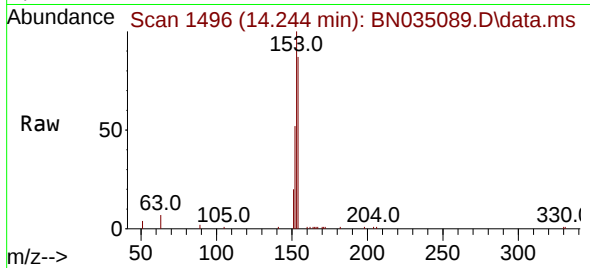
Tgt Ion:	152	Resp:	28587
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	13.0	10.2	15.4





#17
Acenaphthene
Concen: 0.736 ng
RT: 14.244 min Scan# 1496
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

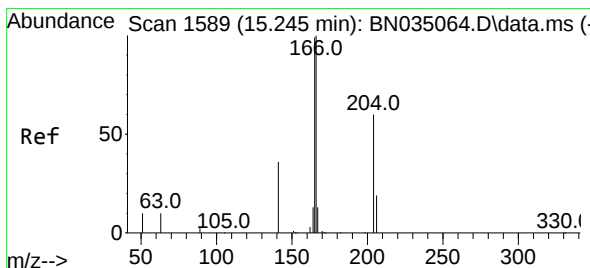
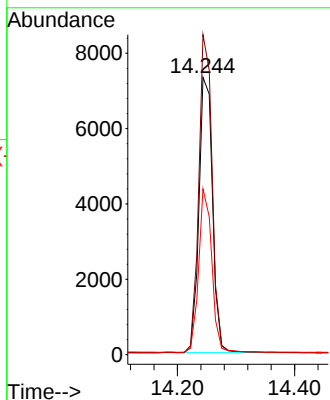
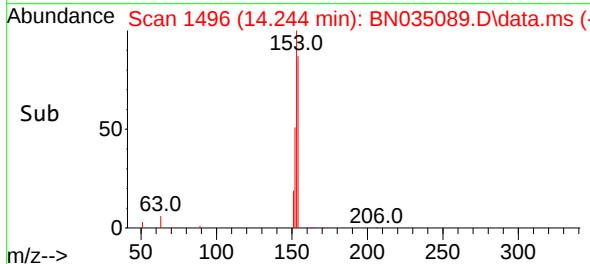
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



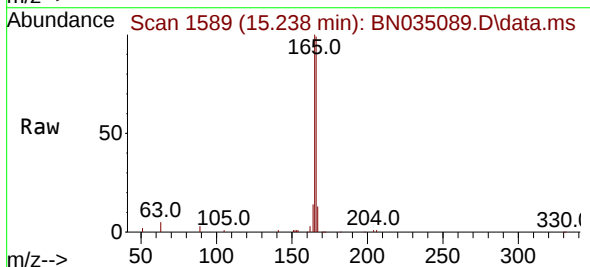
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Ion Ratio Lower Upper
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153 113.8 91.6 137.4
152 57.4 45.8 68.6

Manual Integrations
APPROVED

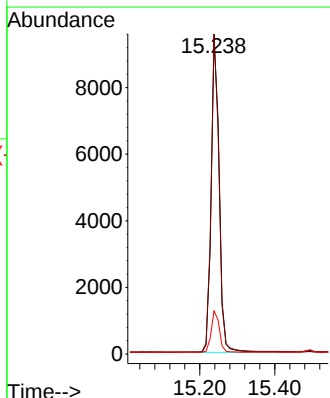
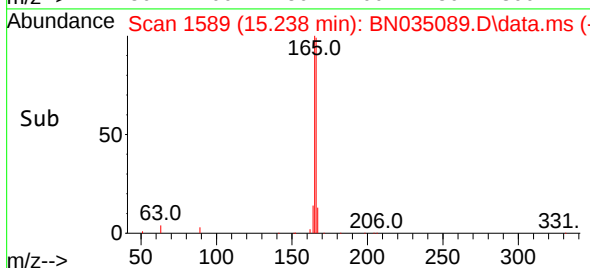
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

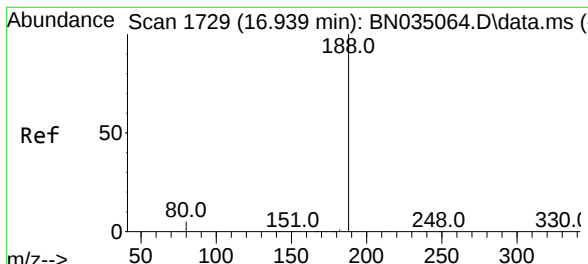


#18
Fluorene
Concen: 0.596 ng
RT: 15.238 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58



Tgt Ion:166 Resp: 14034
Ion Ratio Lower Upper
166 100
165 99.6 79.1 118.7
167 13.5 10.6 16.0





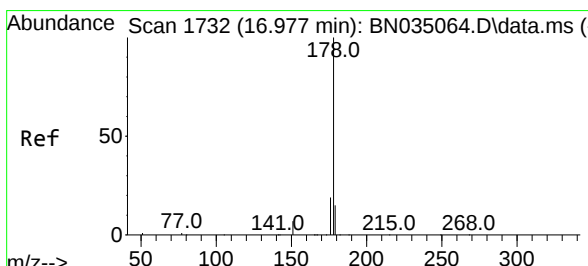
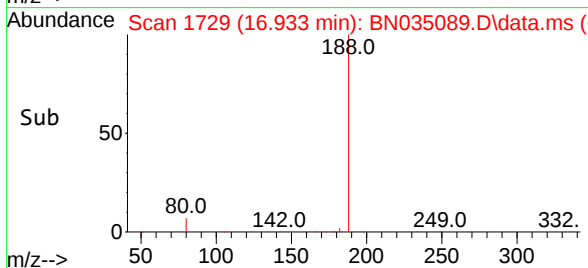
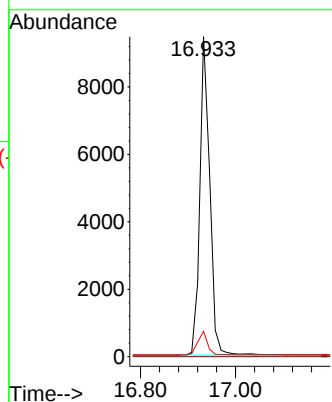
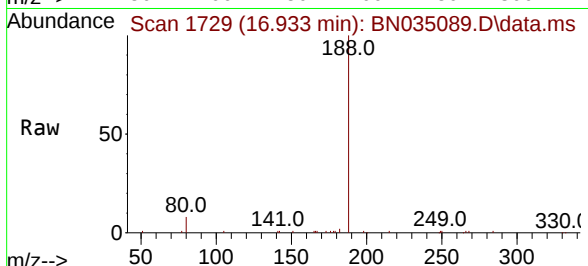
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.933 min Scan# 1729
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:188 Resp: 13630
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 4.3 6.5

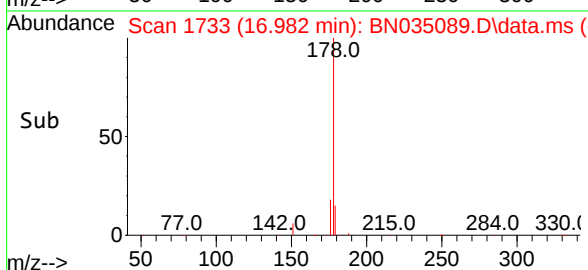
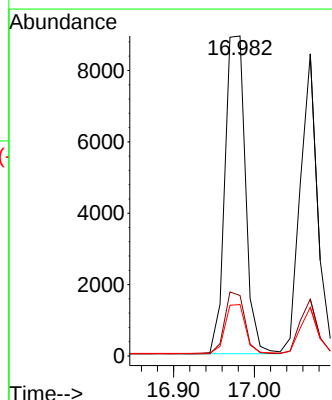
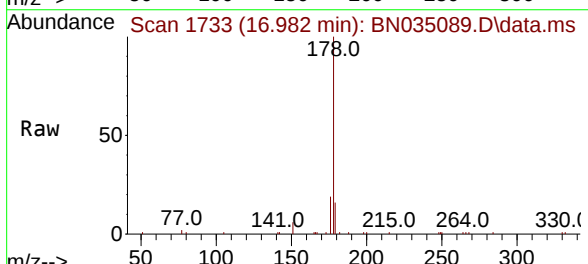
Manual Integrations
APPROVED

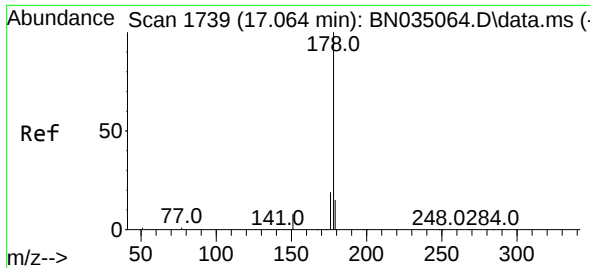
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#25
Phenanthrene
Concen: 0.438 ng
RT: 16.982 min Scan# 1733
Delta R.T. 0.006 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

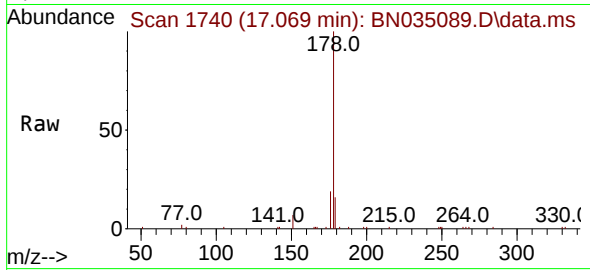
Tgt Ion:178 Resp: 15712
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.4 12.6 18.8





#26
 Anthracene
 Concen: 0.384 ng
 RT: 17.069 min Scan# 1739
 Delta R.T. 0.005 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

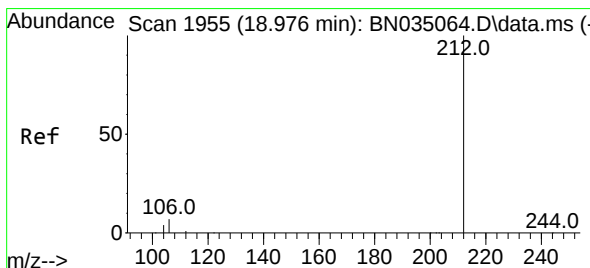
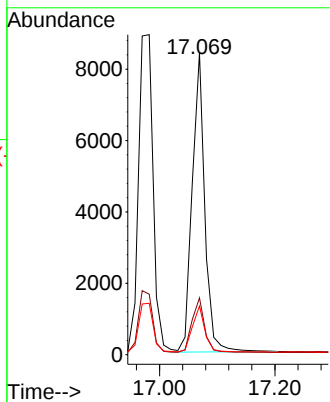
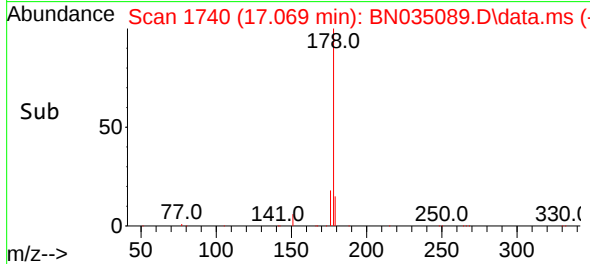
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL



Tgt Ion:178 Resp: 1266
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.0 12.2 18.2

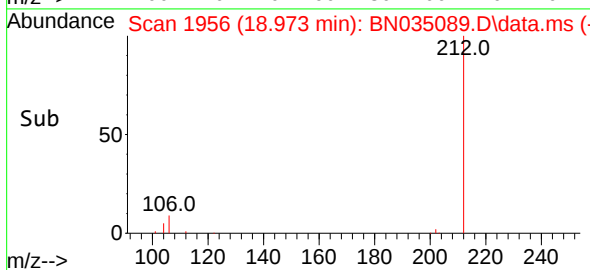
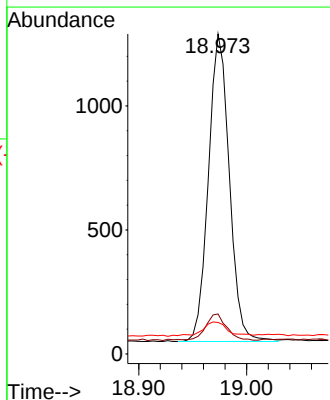
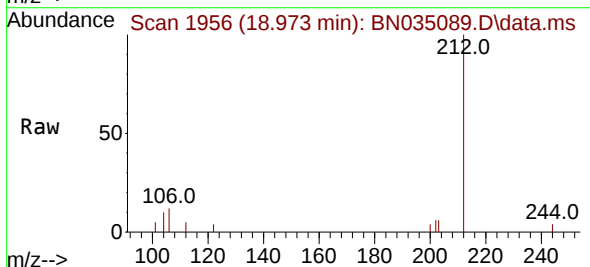
Manual Integrations
 APPROVED

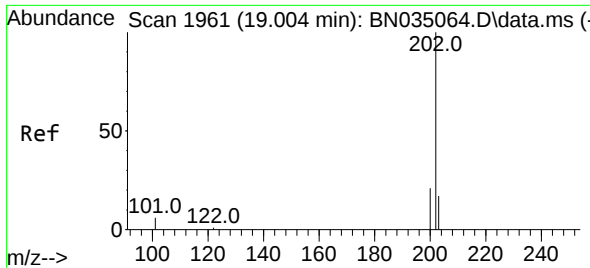
Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024



#27
 Fluoranthene-d10
 Concen: 0.040 ng
 RT: 18.973 min Scan# 1956
 Delta R.T. -0.002 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

Tgt Ion:212 Resp: 1669
 Ion Ratio Lower Upper
 212 100
 106 8.4 6.0 9.0
 104 5.6 3.5 5.3#





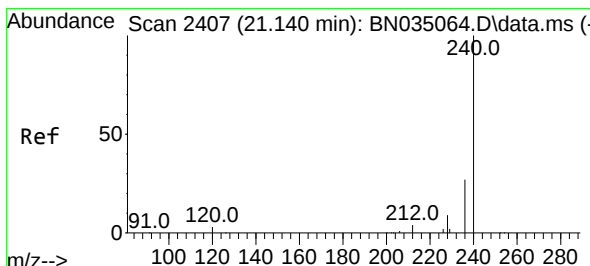
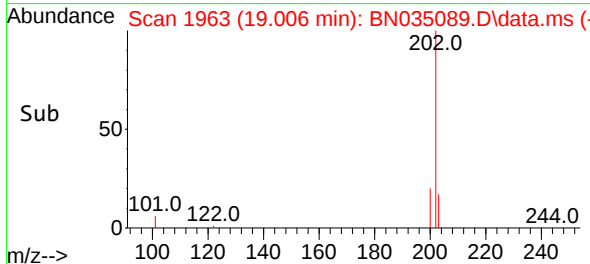
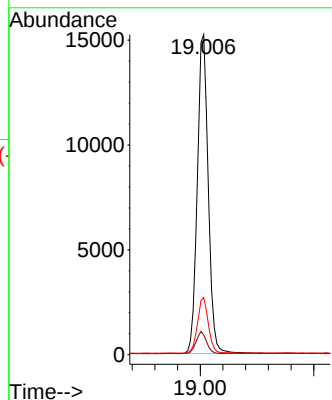
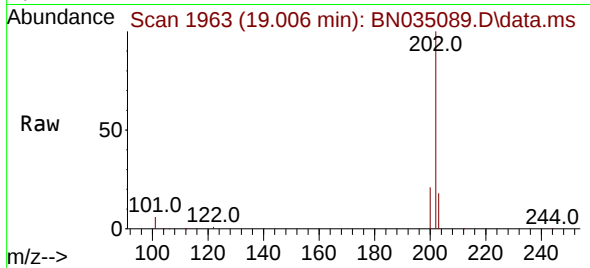
#28
Fluoranthene
Concen: 0.412 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:202 Resp: 2033
Ion Ratio Lower Upper
202 100
101 6.5 5.2 7.8
203 17.1 13.8 20.8

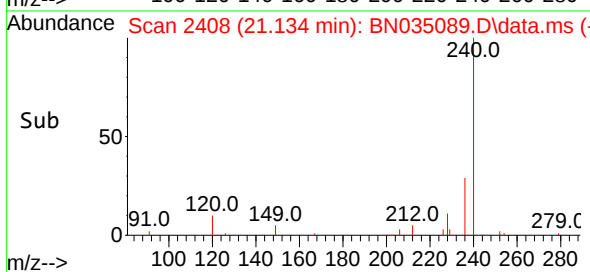
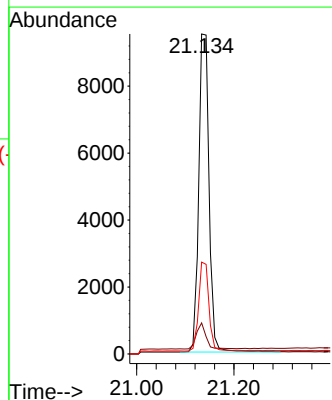
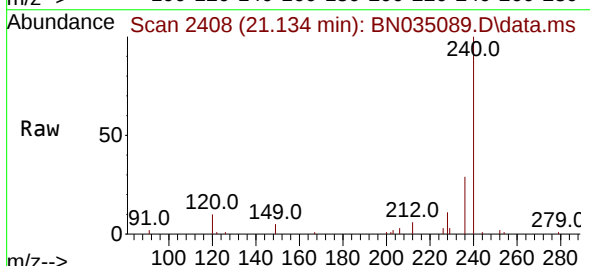
Manual Integrations
APPROVED

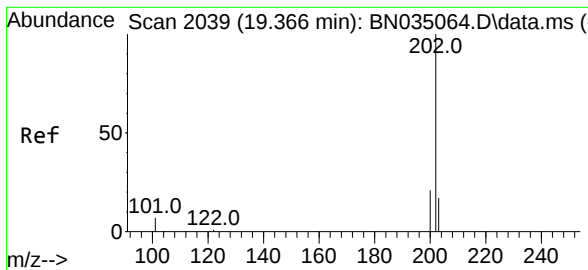
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.134 min Scan# 2408
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Tgt Ion:240 Resp: 13954
Ion Ratio Lower Upper
240 100
120 9.7 3.8 5.6#
236 28.7 22.2 33.2





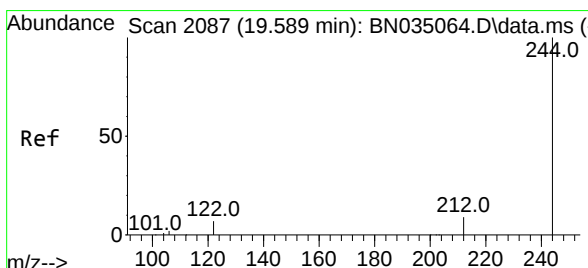
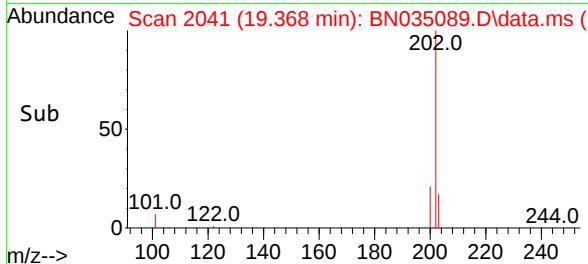
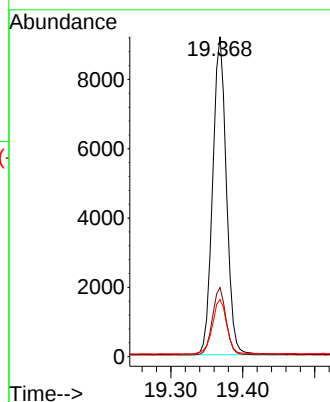
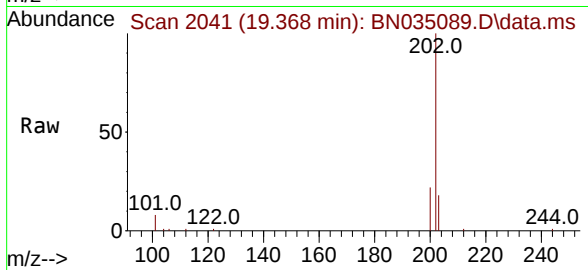
#30
Pyrene
Concen: 0.261 ng
RT: 19.368 min Scan# 2039
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:202 Resp: 1212
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.9 14.2 21.4

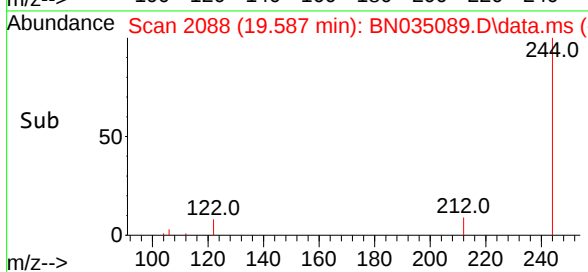
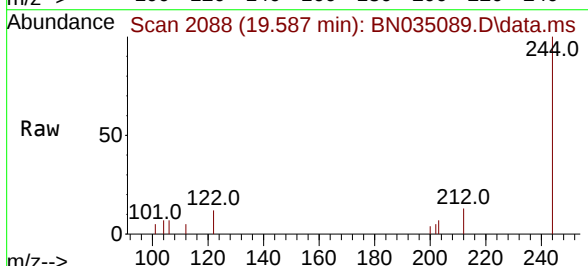
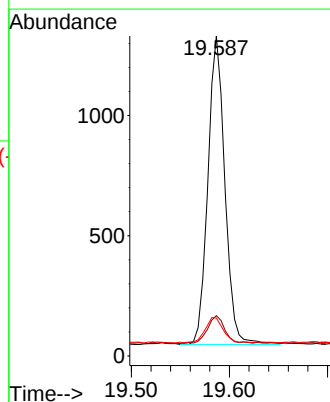
Manual Integrations
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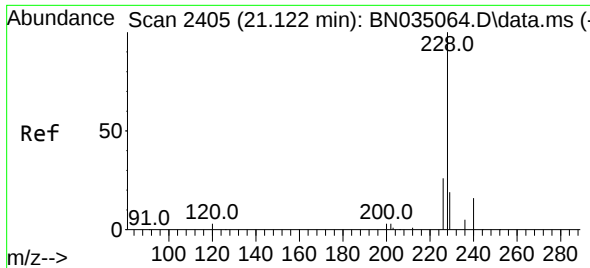
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#31
Terphenyl-d14
Concen: 0.053 ng
RT: 19.587 min Scan# 2088
Delta R.T. -0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

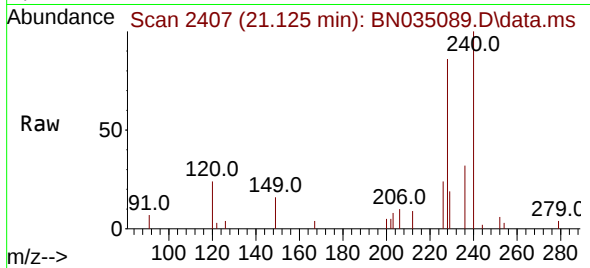
Tgt Ion:244 Resp: 1542
Ion Ratio Lower Upper
244 100
212 12.6 7.6 11.4#
122 11.9 6.1 9.1#





#32
Benzo(a)anthracene
Concen: 0.072 ng
RT: 21.125 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

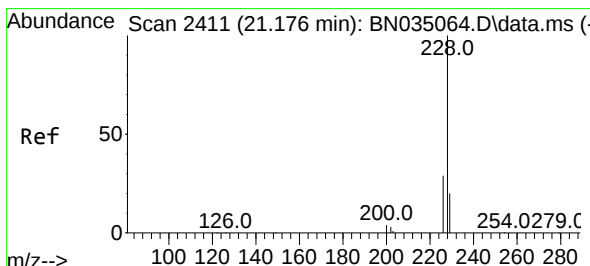
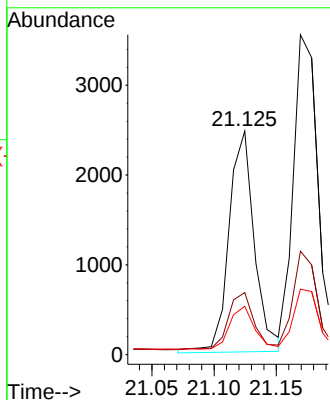
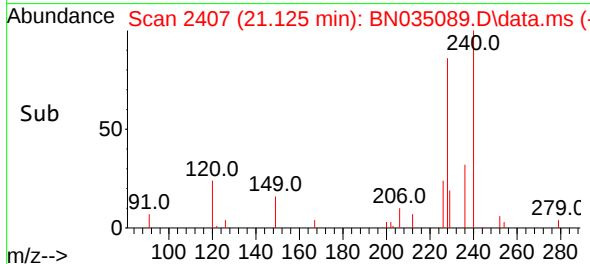
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



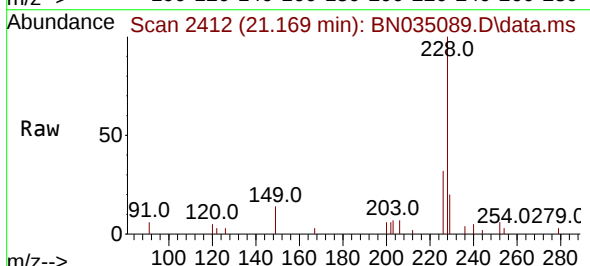
Tgt Ion:228 Resp: 3504
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 21.6 15.7 23.5

Manual Integrations
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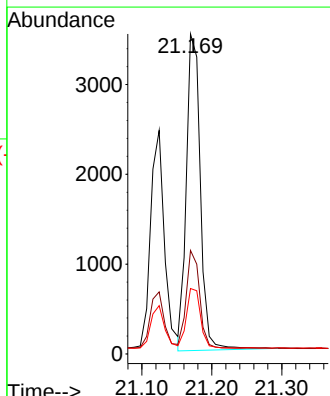
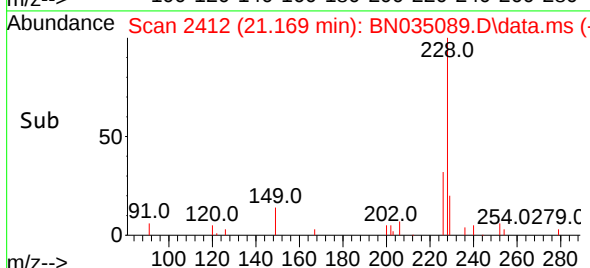
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

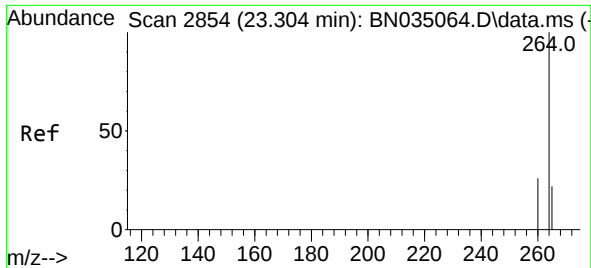


#33
Chrysene
Concen: 0.102 ng
RT: 21.169 min Scan# 2412
Delta R.T. -0.007 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58



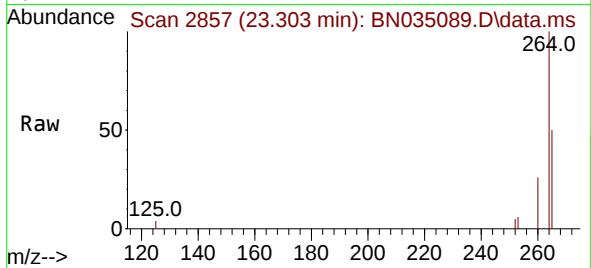
Tgt Ion:228 Resp: 4895
Ion Ratio Lower Upper
228 100
226 32.3 23.7 35.5
229 20.5 16.2 24.4





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.303 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58

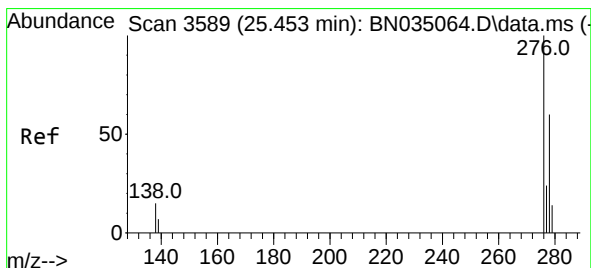
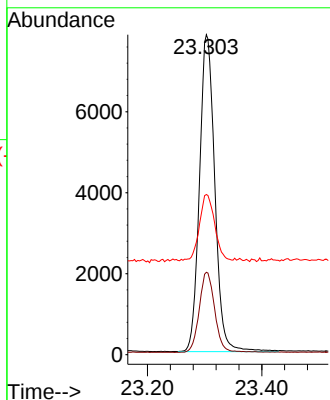
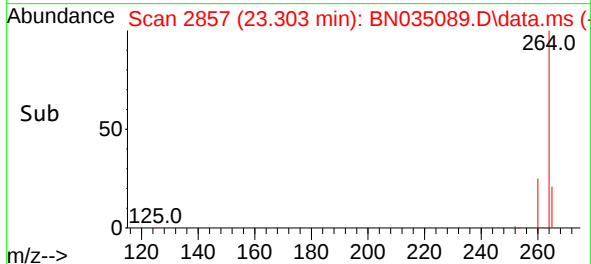
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL



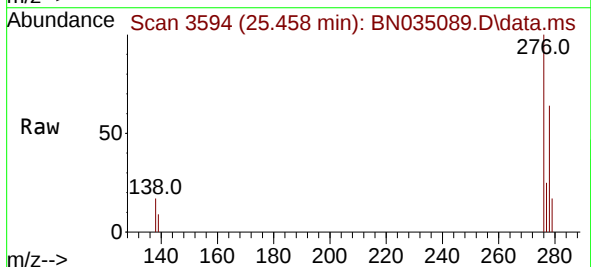
Tgt Ion:264 Resp: 14570
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.9 31.3
 265 50.1 35.4 53.2

Manual Integrations
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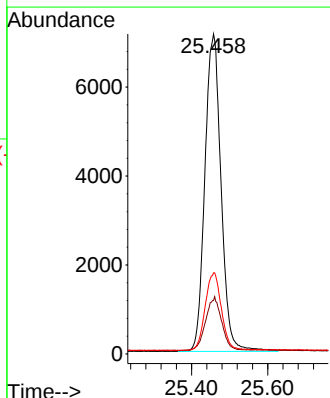
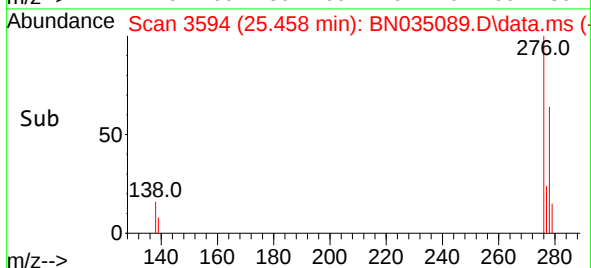
Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

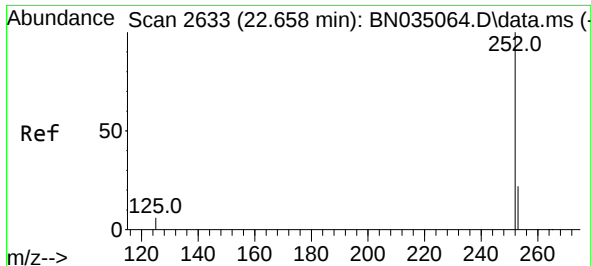


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.362 ng
 RT: 25.458 min Scan# 3594
 Delta R.T. 0.005 min
 Lab File: BN035089.D
 Acq: 14 Nov 2024 15:58



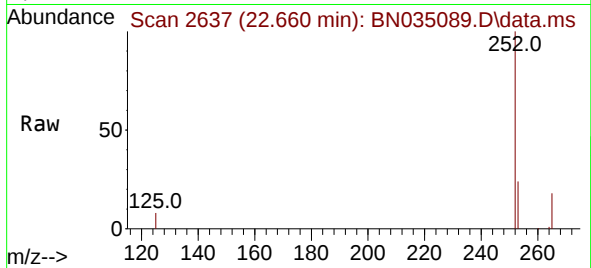
Tgt Ion:276 Resp: 21029
 Ion Ratio Lower Upper
 276 100
 138 16.8 13.0 19.4
 277 24.5 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 22.660 min Scan# 2633
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

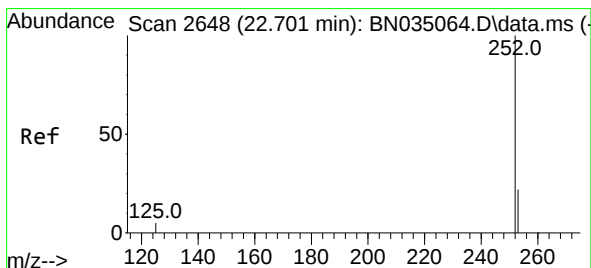
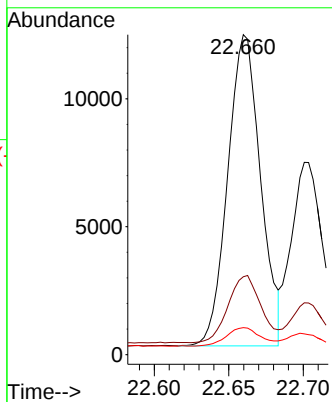
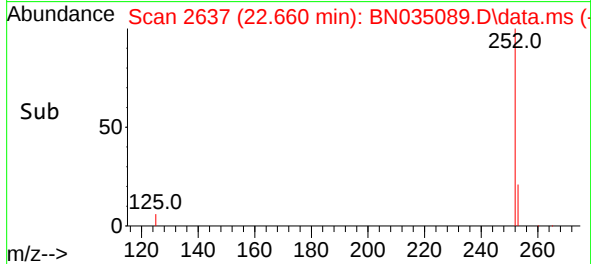
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



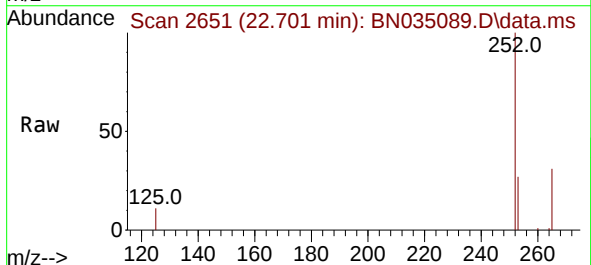
Tgt Ion:252 Resp: 18620
Ion Ratio Lower Upper
252 100
253 24.3 19.3 28.9
125 8.5 6.2 9.2

Manual Integrations
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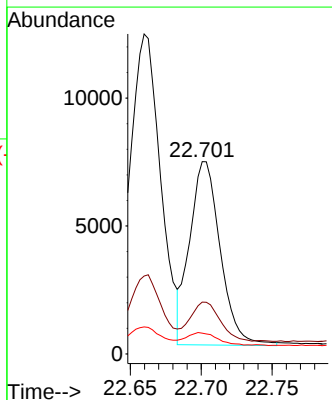
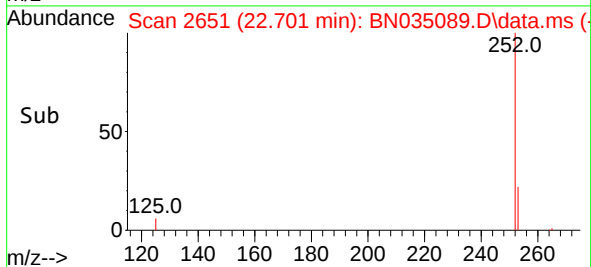
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

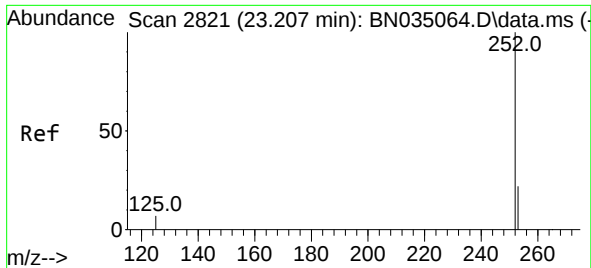


#38
Benzo(k)fluoranthene
Concen: 0.220 ng m
RT: 22.701 min Scan# 2651
Delta R.T. -0.001 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58



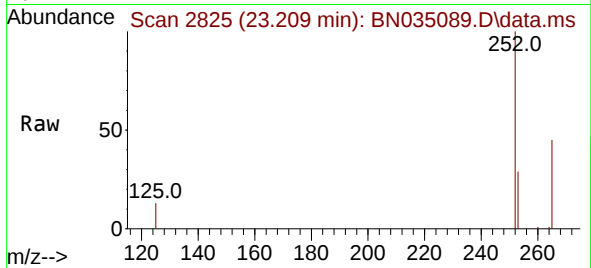
Tgt Ion:252 Resp: 10787
Ion Ratio Lower Upper
252 100
253 26.9 19.5 29.3
125 10.8 6.5 9.7#





#39
Benzo(a)pyrene
Concen: 0.206 ng
RT: 23.209 min Scan# 2825
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

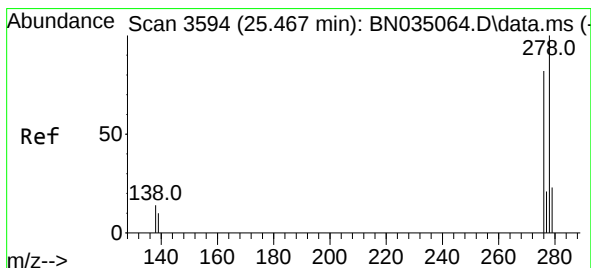
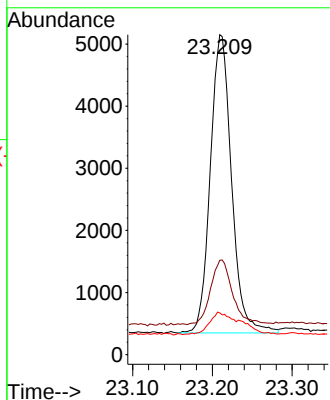
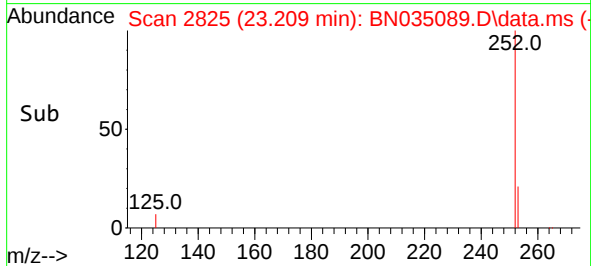
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



Tgt Ion:252 Resp: 8902
Ion Ratio Lower Upper
252 100
253 29.5 20.1 30.1
125 13.0 7.5 11.3

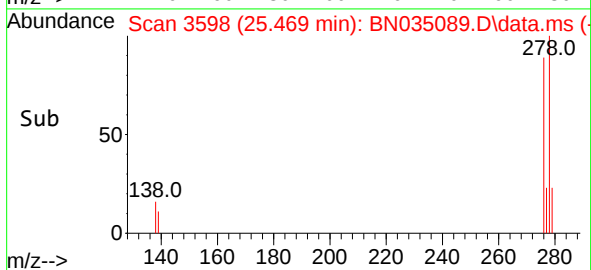
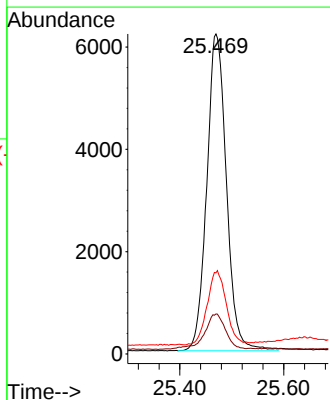
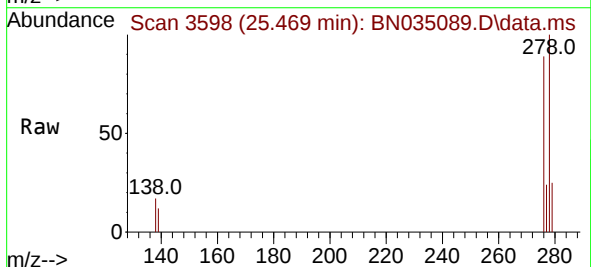
Manual Integrations
APPROVED

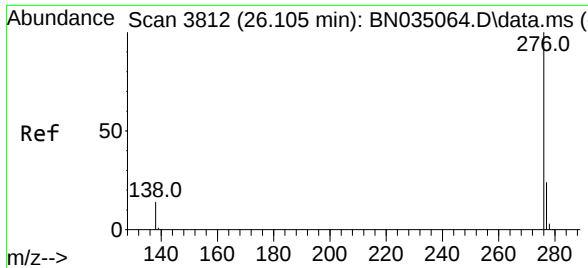
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 25.469 min Scan# 3598
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

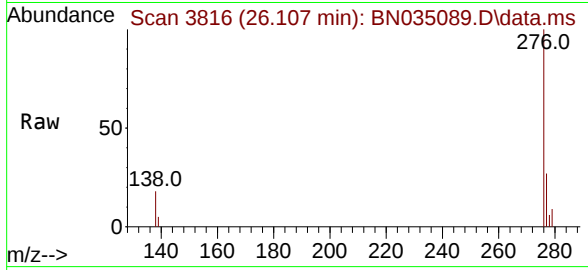
Tgt Ion:278 Resp: 16288
Ion Ratio Lower Upper
278 100
139 12.5 9.3 13.9
279 25.3 19.7 29.5





#41
Benzo(g,h,i)perylene
Concen: 0.110 ng
RT: 26.107 min Scan# 3816
Delta R.T. 0.002 min
Lab File: BN035089.D
Acq: 14 Nov 2024 15:58

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL



Tgt Ion:	276	Resp:	536
Ion Ratio	Lower	Upper	
276	100		
277	27.0	19.9	29.9
138	18.0	11.6	17.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

