

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012925\
 Data File : BN036123.D
 Acq On : 30 Jan 2025 00:43
 Operator : RC/JU
 Sample : Q1173-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VPB192-HYD-20250122

Quant Time: Jan 30 01:51:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 00:34:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 01/31/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.803	152	2520	0.400	ng	-0.01
7) Naphthalene-d8	10.600	136	5602	0.400	ng	-0.01
13) Acenaphthene-d10	14.441	164	2998	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	5695	0.400	ng	# 0.00
29) Chrysene-d12	21.367	240	4766	0.400	ng	0.00
35) Perylene-d12	23.672	264	4937	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.412	112	151	0.023	ng	0.02
5) Phenol-d6	7.015	99	33m	0.004	ng	0.04
8) Nitrobenzene-d5	8.945	82	2126	0.402	ng	-0.01
11) 2-Methylnaphthalene-d10	12.187	152	264	0.035	ng	-0.01
14) 2,4,6-Tribromophenol	15.933	330	152	0.079	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	4742	0.354	ng	0.00
27) Fluoranthene-d10	19.216	212	5274	0.358	ng	0.00
31) Terphenyl-d14	19.815	244	5542	0.560	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.643	128	436	0.027	ng	# 66
17) Acenaphthene	14.506	154	300	0.031	ng	98
18) Fluorene	15.489	166	525	0.043	ng	98
25) Phenanthrene	17.223	178	2146	0.125	ng	98
28) Fluoranthene	19.248	202	785	0.039	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.286	149	1817	0.192	ng	98

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

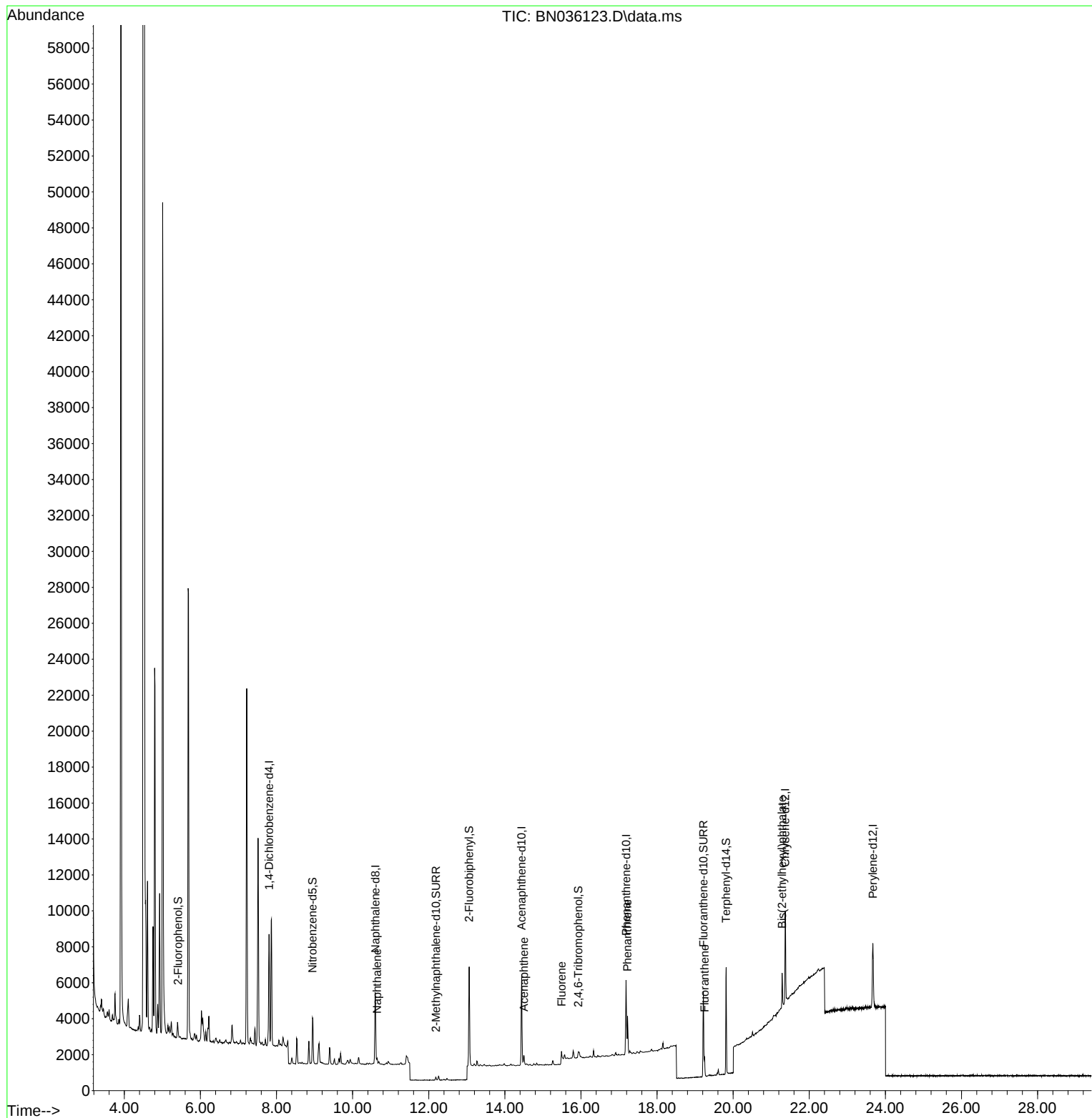
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012925\
Data File : BN036123.D
Acq On : 30 Jan 2025 00:43
Operator : RC/JU
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Misc :
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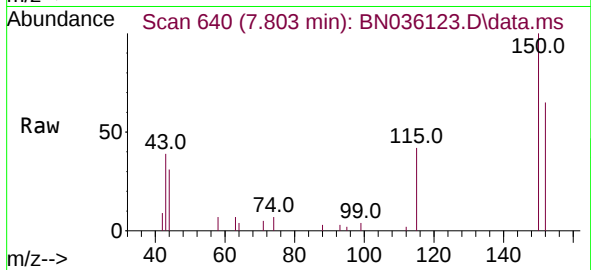
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.803 min Scan# 642
Delta R.T. -0.014 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

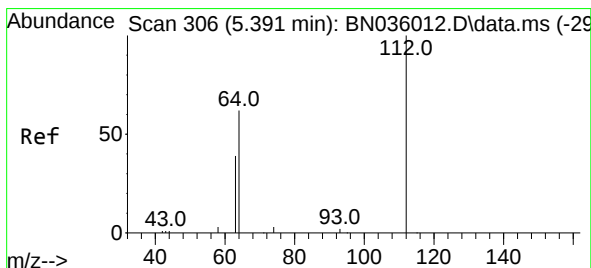
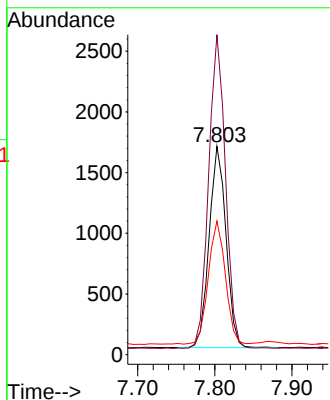
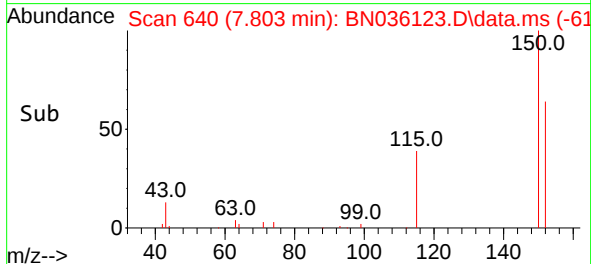
Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122



Tgt Ion:152 Resp: 2520
Ion Ratio Lower Upper
152 100
150 153.6 117.4 176.2
115 64.1 51.0 76.4

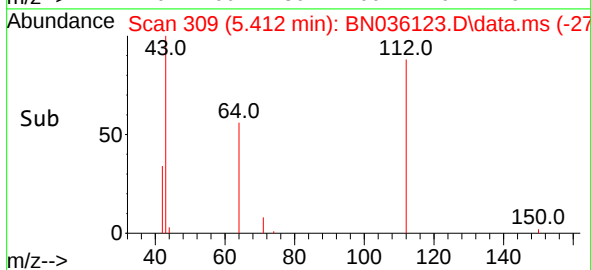
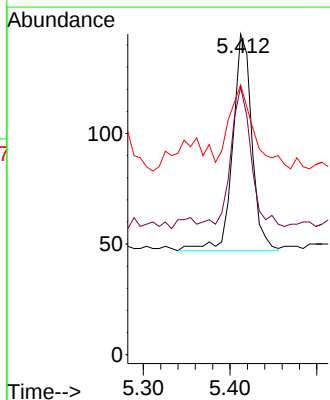
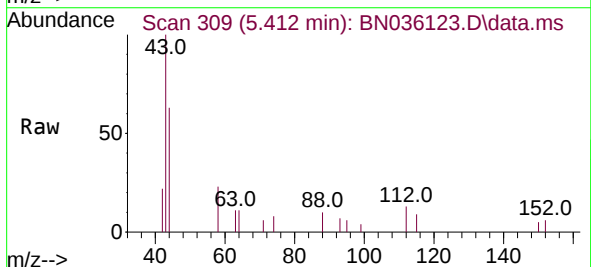
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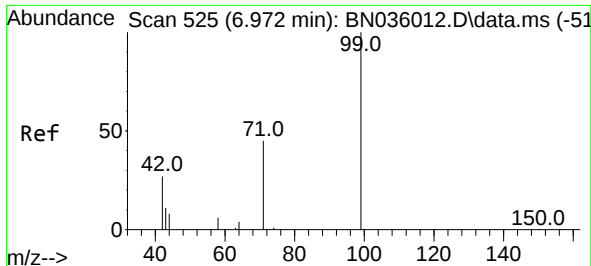
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#4
2-Fluorophenol
Concen: 0.023 ng
RT: 5.412 min Scan# 309
Delta R.T. 0.022 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

Tgt Ion:112 Resp: 151
Ion Ratio Lower Upper
112 100
64 66.9 50.0 75.0
63 51.0 30.7 46.1#





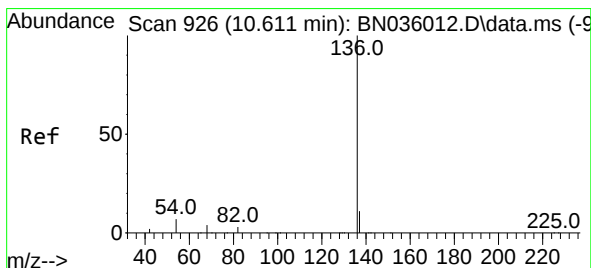
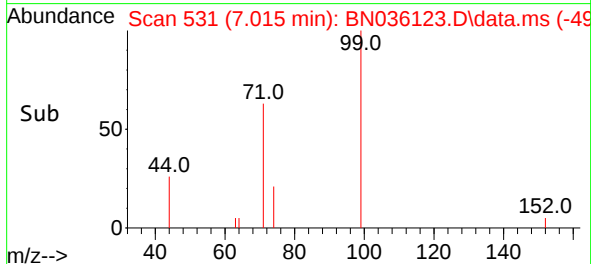
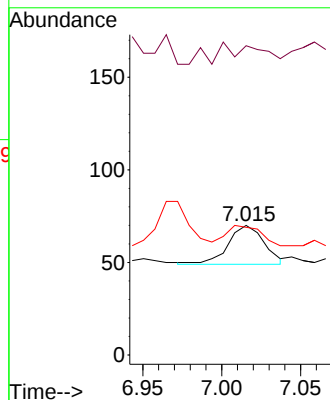
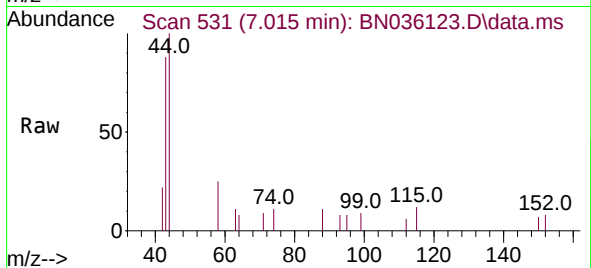
#5
Phenol-d6
Concen: 0.004 ng m
RT: 7.015 min Scan# 51
Delta R.T. 0.043 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion: 99 Resp: 31
Ion Ratio Lower Upper
99 100
42 0.0 26.8 40.2
71 109.1 36.6 55.0

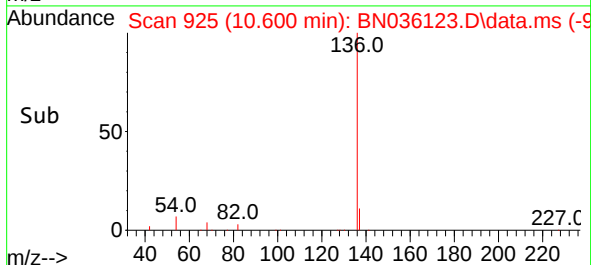
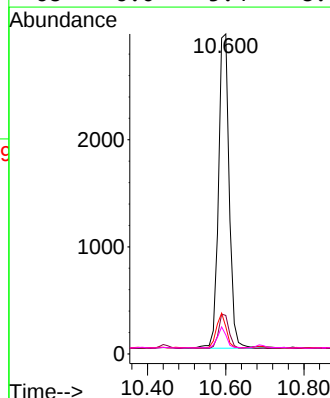
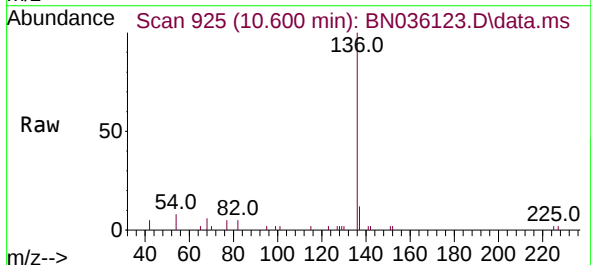
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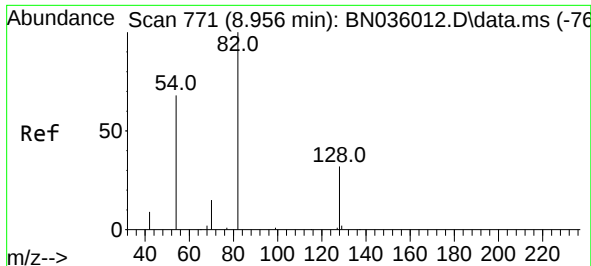
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.600 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

Tgt Ion:136 Resp: 5602
Ion Ratio Lower Upper
136 100
137 12.0 10.4 15.6
54 8.5 7.7 11.5
68 6.0 5.4 8.0





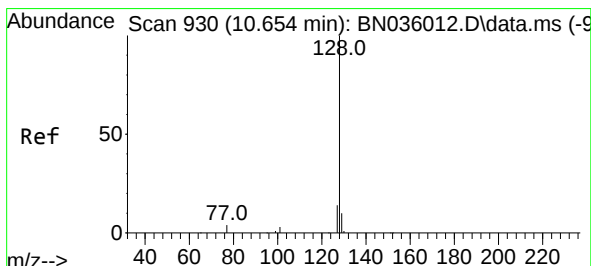
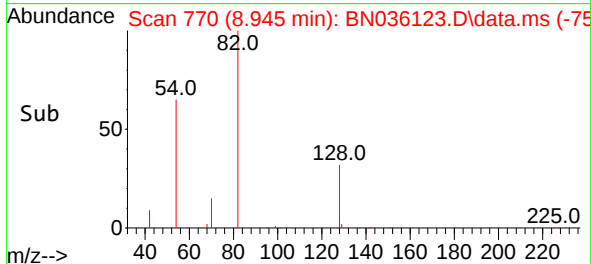
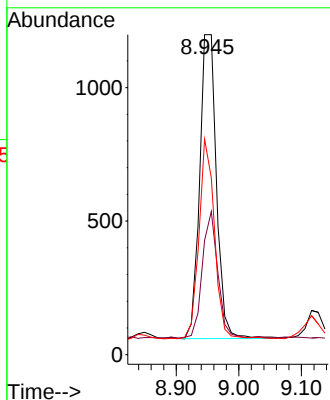
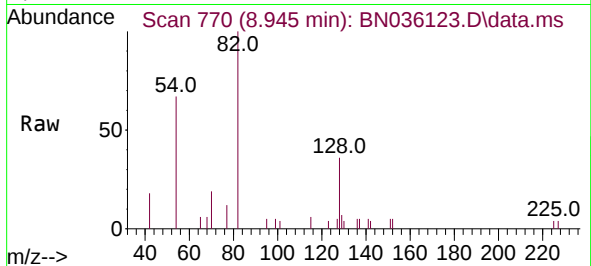
#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 8.945 min Scan# 712
Delta R.T. -0.011 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion: 82 Resp: 2120
Ion Ratio Lower Upper
82 100
128 35.7 28.8 43.2
54 67.4 55.8 83.8

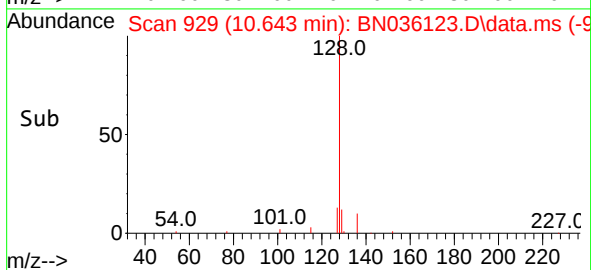
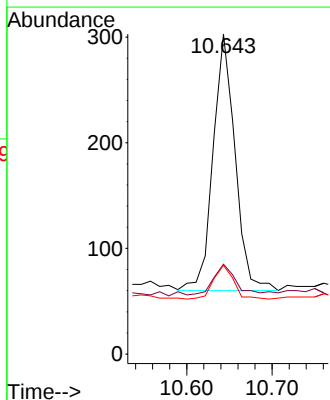
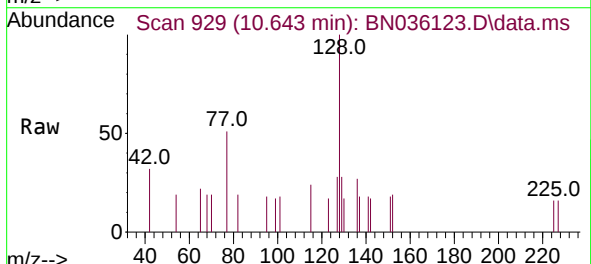
Manual Integrations
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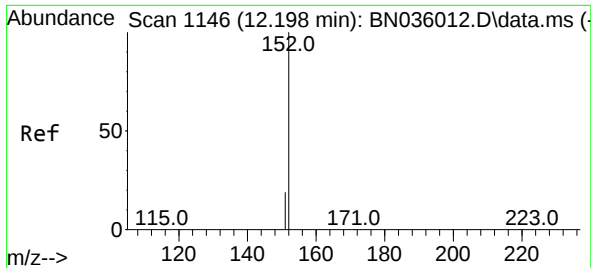
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#9
Naphthalene
Concen: 0.027 ng
RT: 10.643 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

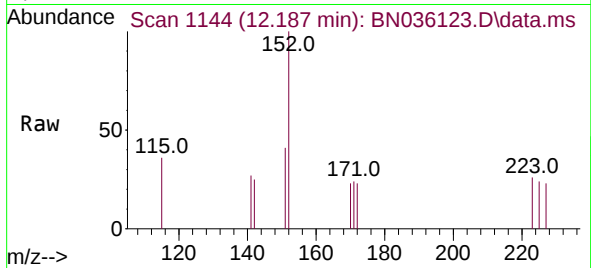
Tgt Ion:128 Resp: 436
Ion Ratio Lower Upper
128 100
129 28.1 9.4 14.2#
127 27.7 12.6 19.0#





#11
2-Methylnaphthalene-d10
Concen: 0.035 ng
RT: 12.187 min Scan# 1144
Delta R.T. -0.010 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

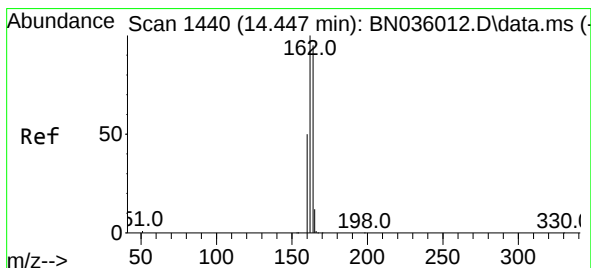
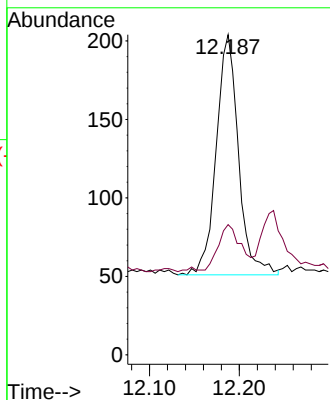
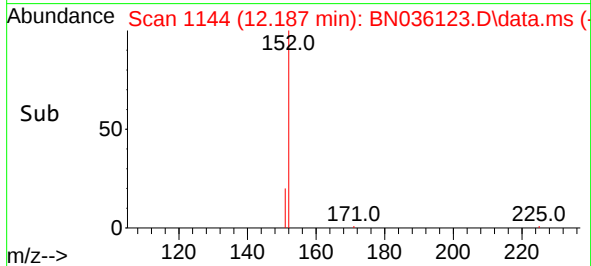
Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122



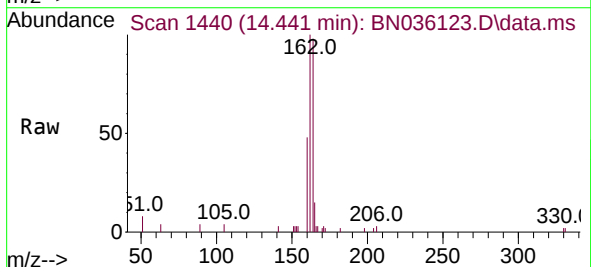
Tgt Ion:152 Resp: 264
Ion Ratio Lower Upper
152 100
151 19.7 16.6 25.0

Manual Integrations
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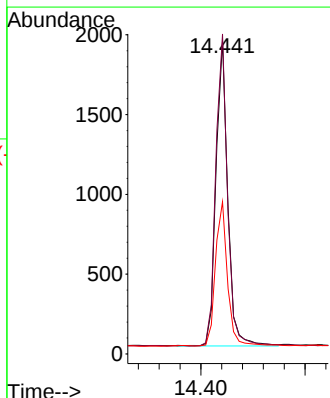
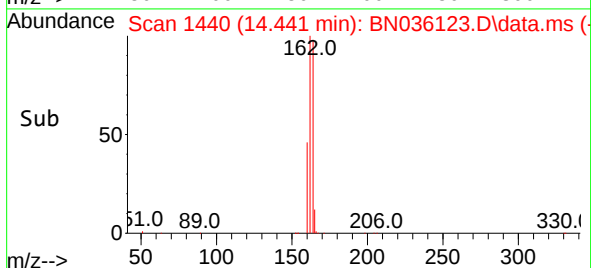
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

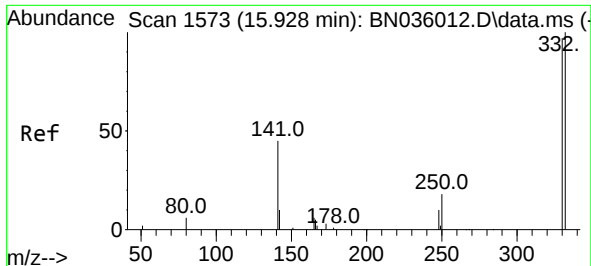


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43



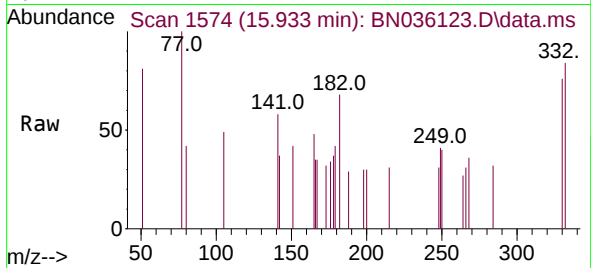
Tgt Ion:164 Resp: 2998
Ion Ratio Lower Upper
164 100
162 102.1 84.1 126.1
160 48.5 43.8 65.8





#14
2,4,6-Tribromophenol
Concen: 0.079 ng
RT: 15.933 min Scan# 1573
Delta R.T. 0.005 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

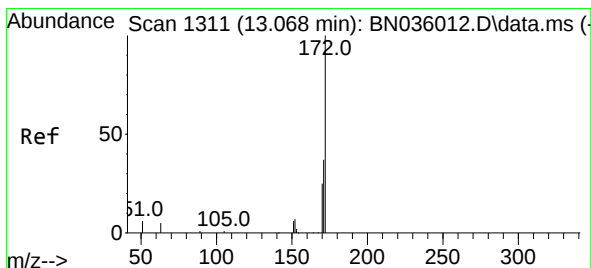
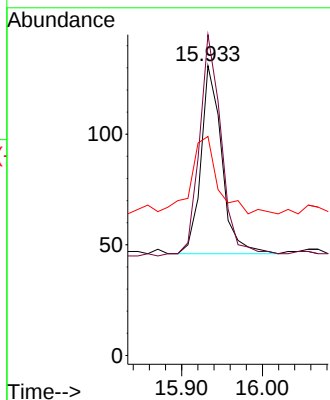
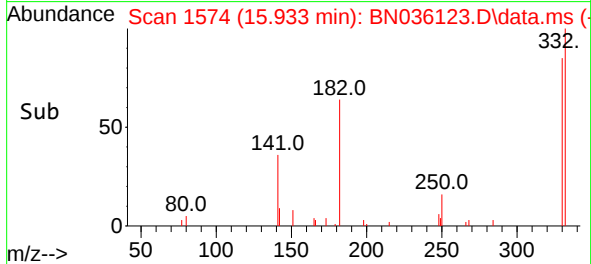
Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122



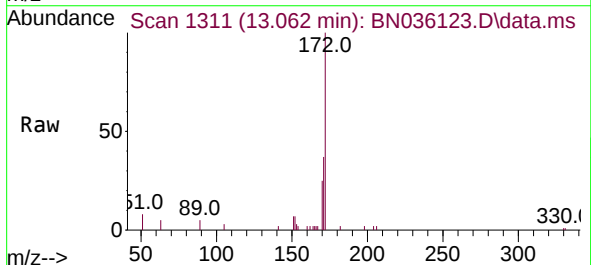
Tgt Ion:330 Resp: 152
Ion Ratio Lower Upper
330 100
332 126.3 81.0 121.4
141 52.6 36.7 55.1

Manual Integrations
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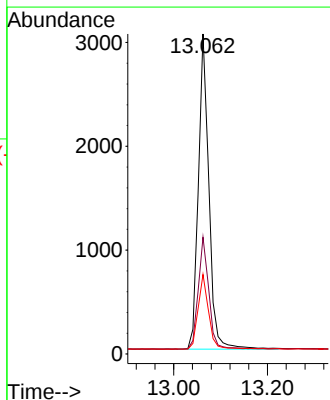
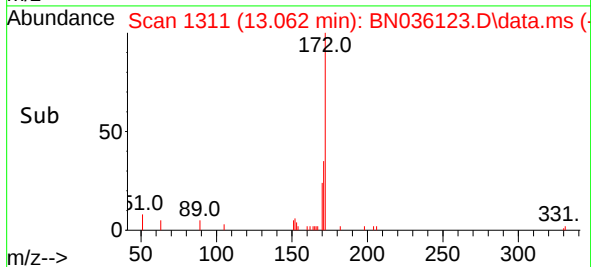
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

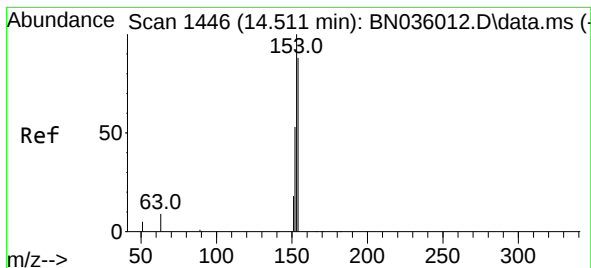


#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.062 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43



Tgt Ion:172 Resp: 4742
Ion Ratio Lower Upper
172 100
171 36.5 30.9 46.3
170 24.9 21.2 31.8





#17

Acenaphthene

Concen: 0.031 ng

RT: 14.506 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BN036123.D

Acq: 30 Jan 2025 00:43

Instrument :

BNA_N

ClientSampleId :

VPB192-HYD-20250122

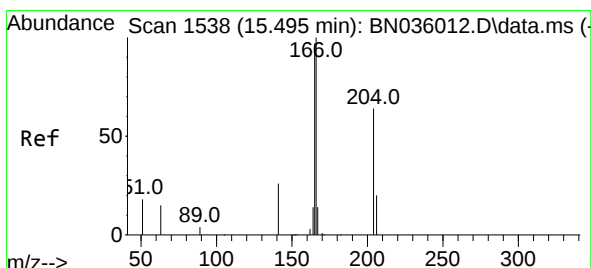
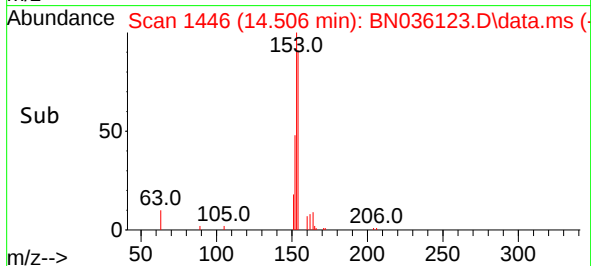
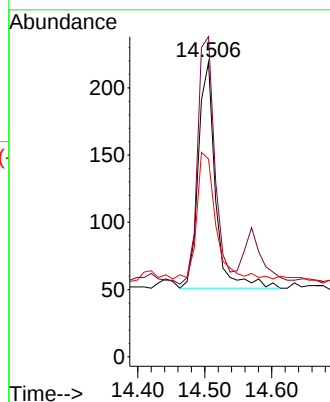
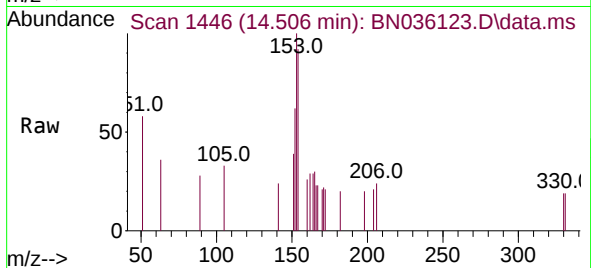
Tgt Ion:	154	Resp:	300
Ion	Ratio	Lower	Upper
154	100		
153	109.0	88.9	133.3
152	62.3	48.1	72.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 01/31/2025



#18

Fluorene

Concen: 0.043 ng

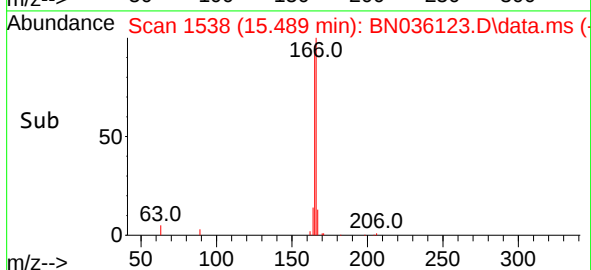
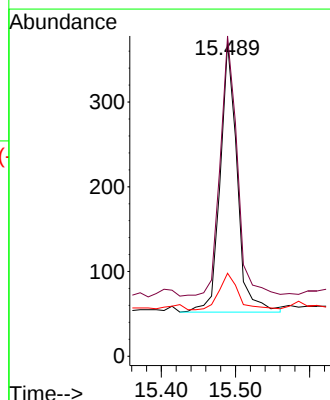
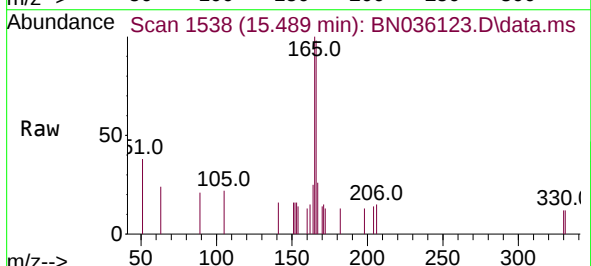
RT: 15.489 min Scan# 1538

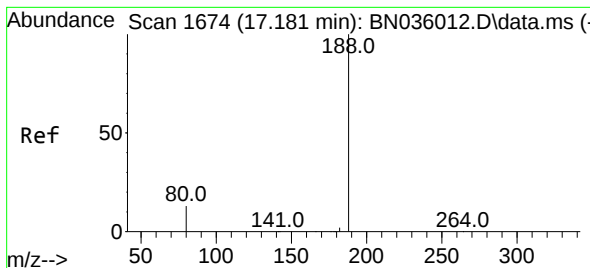
Delta R.T. -0.006 min

Lab File: BN036123.D

Acq: 30 Jan 2025 00:43

Tgt Ion:	166	Resp:	525
Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.5	117.7
167	15.4	10.7	16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1674

Delta R.T. 0.005 min

Lab File: BN036123.D

Acq: 30 Jan 2025 00:43

Instrument :

BNA_N

ClientSampleId :

VPB192-HYD-20250122

Tgt Ion:188 Resp: 569

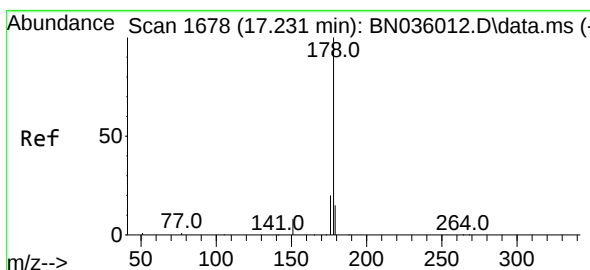
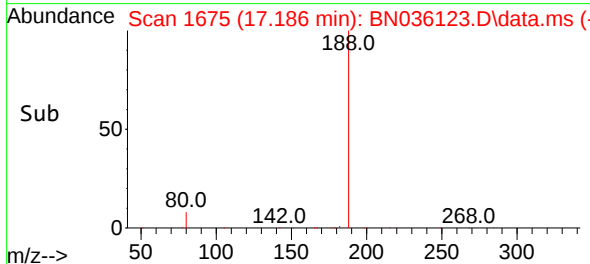
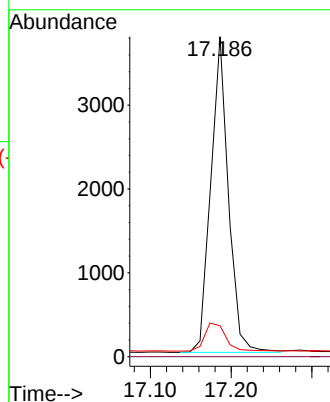
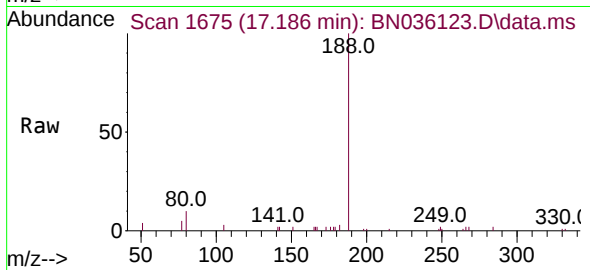
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	12.3	18.5

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 01/31/2025



#25

Phenanthrene

Concen: 0.125 ng

RT: 17.223 min Scan# 1678

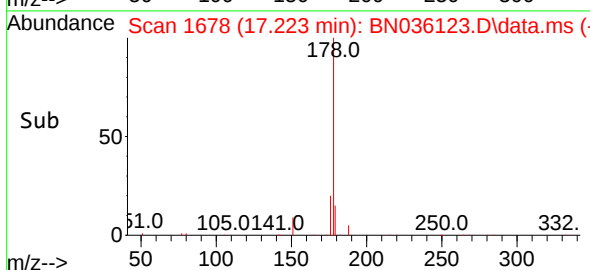
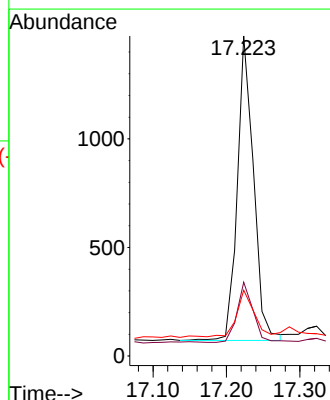
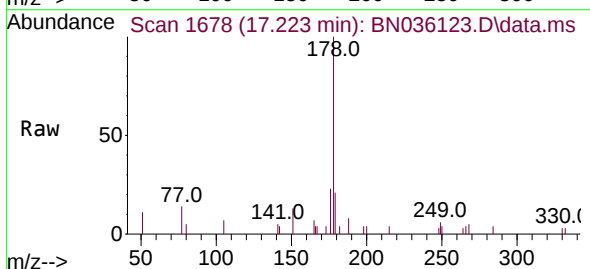
Delta R.T. -0.007 min

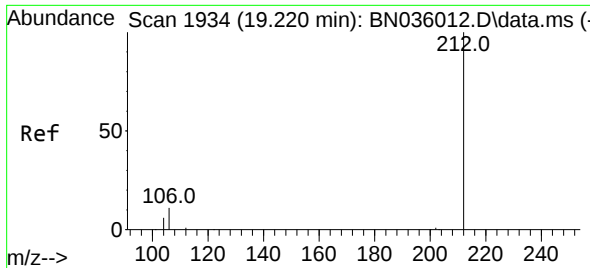
Lab File: BN036123.D

Acq: 30 Jan 2025 00:43

Tgt Ion:178 Resp: 2146

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	17.3	12.4	18.6





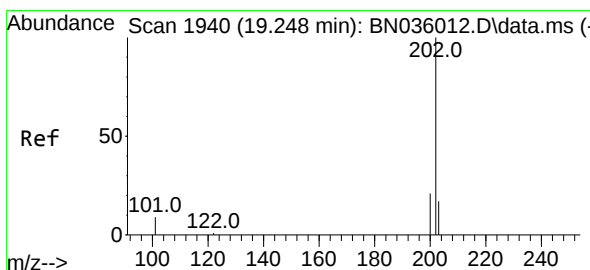
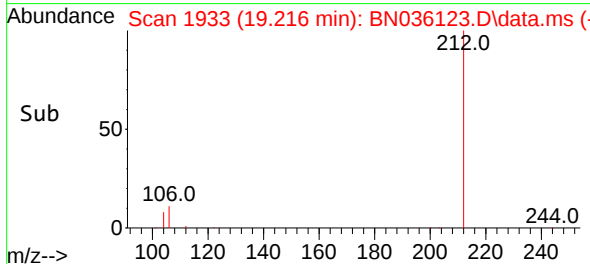
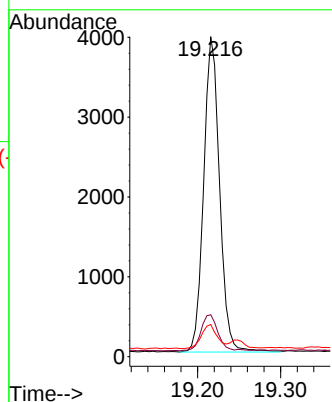
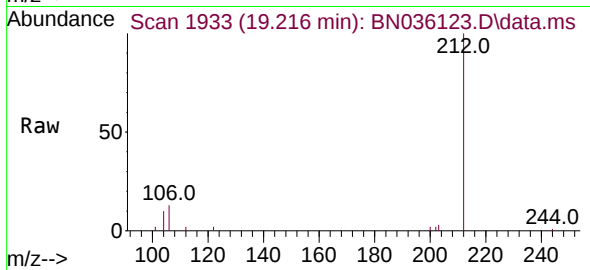
#27
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.216 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion:212 Resp: 5274
Ion Ratio Lower Upper
212 100
106 12.3 9.7 14.5
104 7.7 6.0 9.0

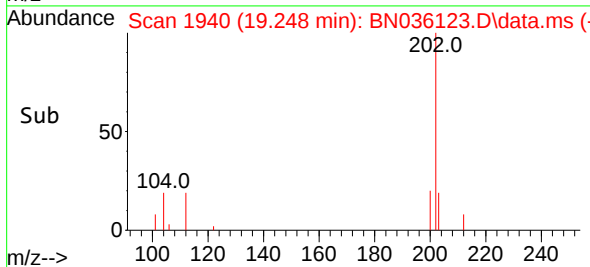
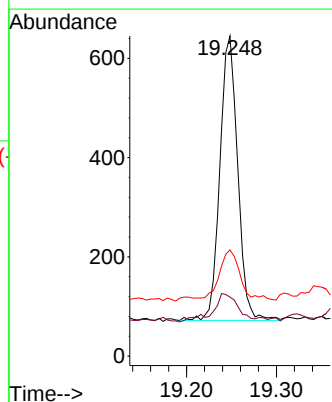
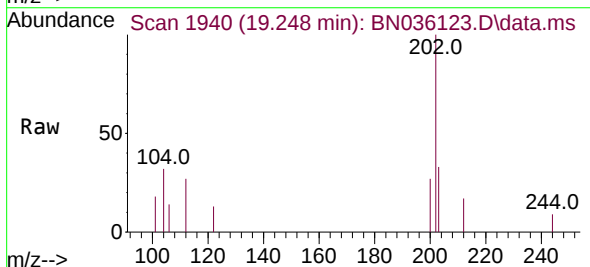
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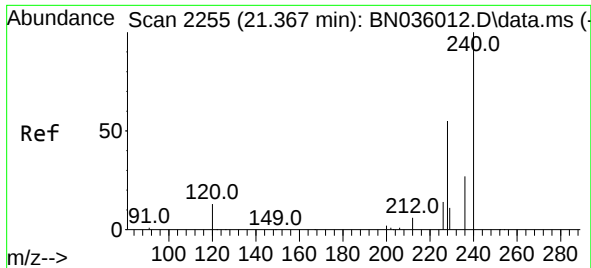
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#28
Fluoranthene
Concen: 0.039 ng
RT: 19.248 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

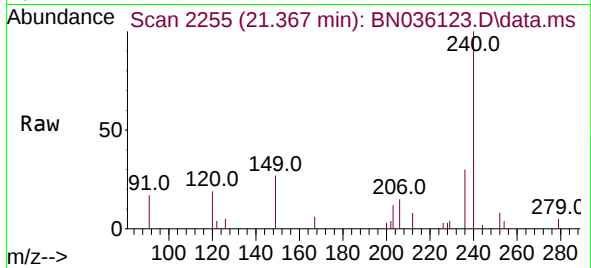
Tgt Ion:202 Resp: 785
Ion Ratio Lower Upper
202 100
101 14.0 7.6 11.4#
203 20.3 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.367 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

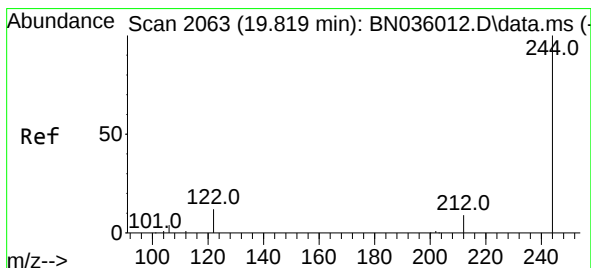
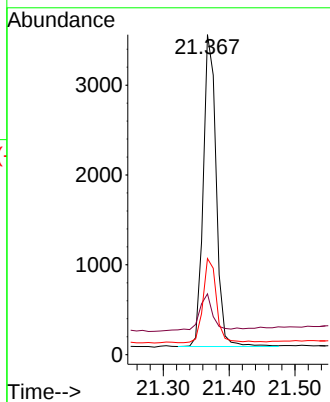
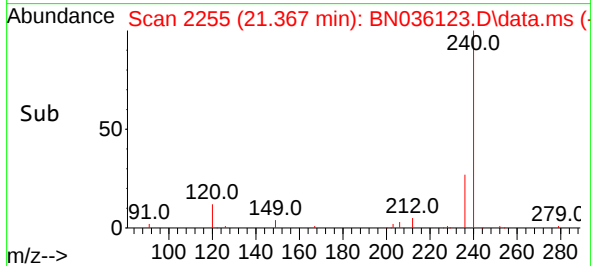
Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122



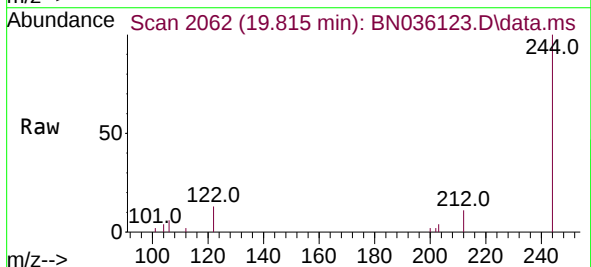
Tgt Ion:240 Resp: 4760
Ion Ratio Lower Upper
240 100
120 19.0 13.9 20.9
236 30.0 23.7 35.5

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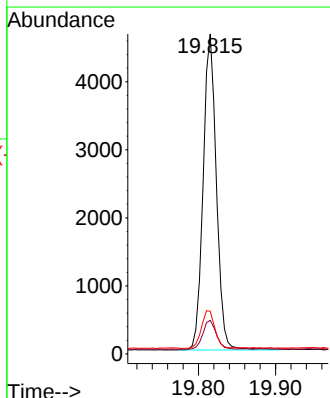
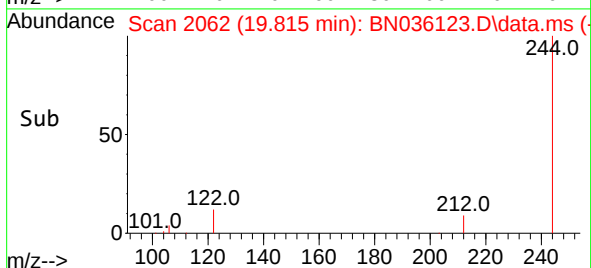
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

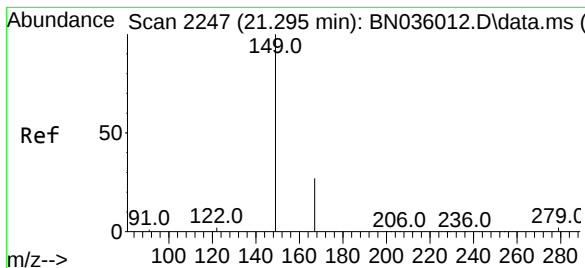


#31
Terphenyl-d14
Concen: 0.560 ng
RT: 19.815 min Scan# 2062
Delta R.T. -0.004 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43



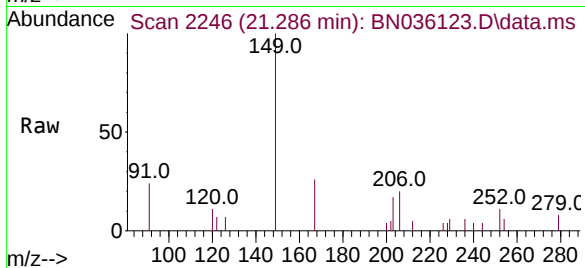
Tgt Ion:244 Resp: 5542
Ion Ratio Lower Upper
244 100
212 10.5 9.1 13.7
122 13.3 11.3 16.9





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.192 ng
RT: 21.286 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43

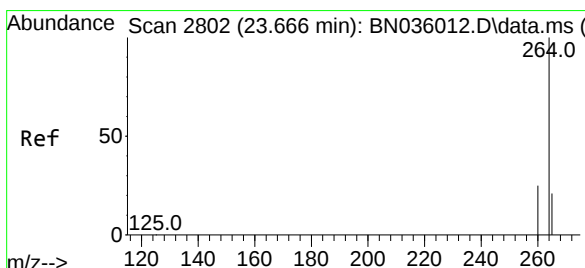
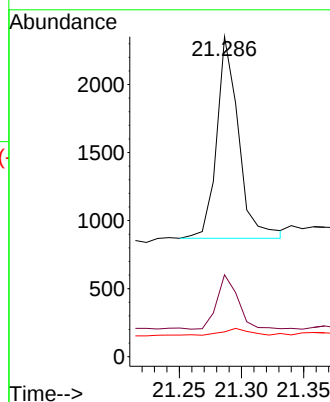
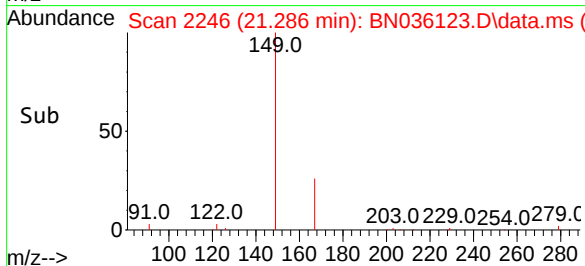
Instrument :
BNA_N
ClientSampleId :
VPB192-HYD-20250122



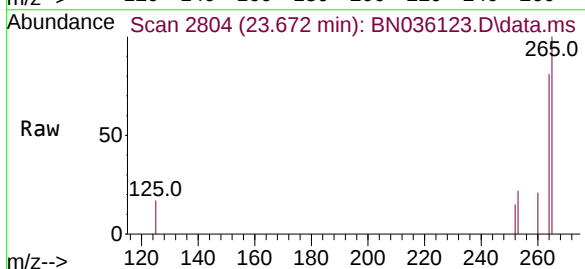
Tgt Ion:149 Resp: 181
Ion Ratio Lower Upper
149 100
167 25.9 21.9 32.9
279 3.8 3.0 4.6

Manual Integrations
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Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.672 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BN036123.D
Acq: 30 Jan 2025 00:43



Tgt Ion:264 Resp: 4937
Ion Ratio Lower Upper
264 100
260 26.1 21.8 32.6
265 123.9 56.6 84.8#

