

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035658.D
 Acq On : 17 Dec 2024 17:11
 Operator : RC/JU
 Sample : P5232-10DL 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 00:50:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.280	152	3007	0.400	ng/ul	0.00
4) Naphthalene-d8	10.025	136	8714	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5955	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	12477	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	10377	0.400	ng/ul	0.00
23) Perylene-d12	23.048	264	11253m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	1424	0.534	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	528	0.043	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	1230m	0.041	ng/ul	0.00
Target Compounds					Qvalue	
5) Naphthalene	10.075	128	865m	0.040	ng/ul	
7) 2-Methylnaphthalene	11.708	142	683	0.047	ng/ul	97
8) 1-Methylnaphthalene	11.934	142	562	0.038	ng/ul	100
10) Acenaphthylene	13.657	152	597	0.026	ng/ul#	64
11) Acenaphthene	14.009	153	1025	0.059	ng/ul	96
12) Fluorene	15.013	166	869	0.043	ng/ul#	92
15) Phenanthrene	16.755	178	20511	0.657	ng/ul	98
16) Anthracene	16.844	178	4299	0.147	ng/ul	95
19) Fluoranthene	18.795	202	42595	1.148	ng/ul	100
20) Pyrene	19.162	202	38012	0.930	ng/ul	99
21) Benzo(a)anthracene	20.944	228	16864	0.490	ng/ul	98
22) Chrysene	20.993	228	17458	0.489	ng/ul	98
24) Benzo(b)fluoranthene	22.437	252	23835m	0.719	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	8748m	0.238	ng/ul	
26) Benzo(a)pyrene	22.954	252	16529m	0.515	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.074	276	12351m	0.316	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	2742m	0.092	ng/ul	
29) Benzo(g,h,i)perylene	25.688	276	13400	0.427	ng/ul	99

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

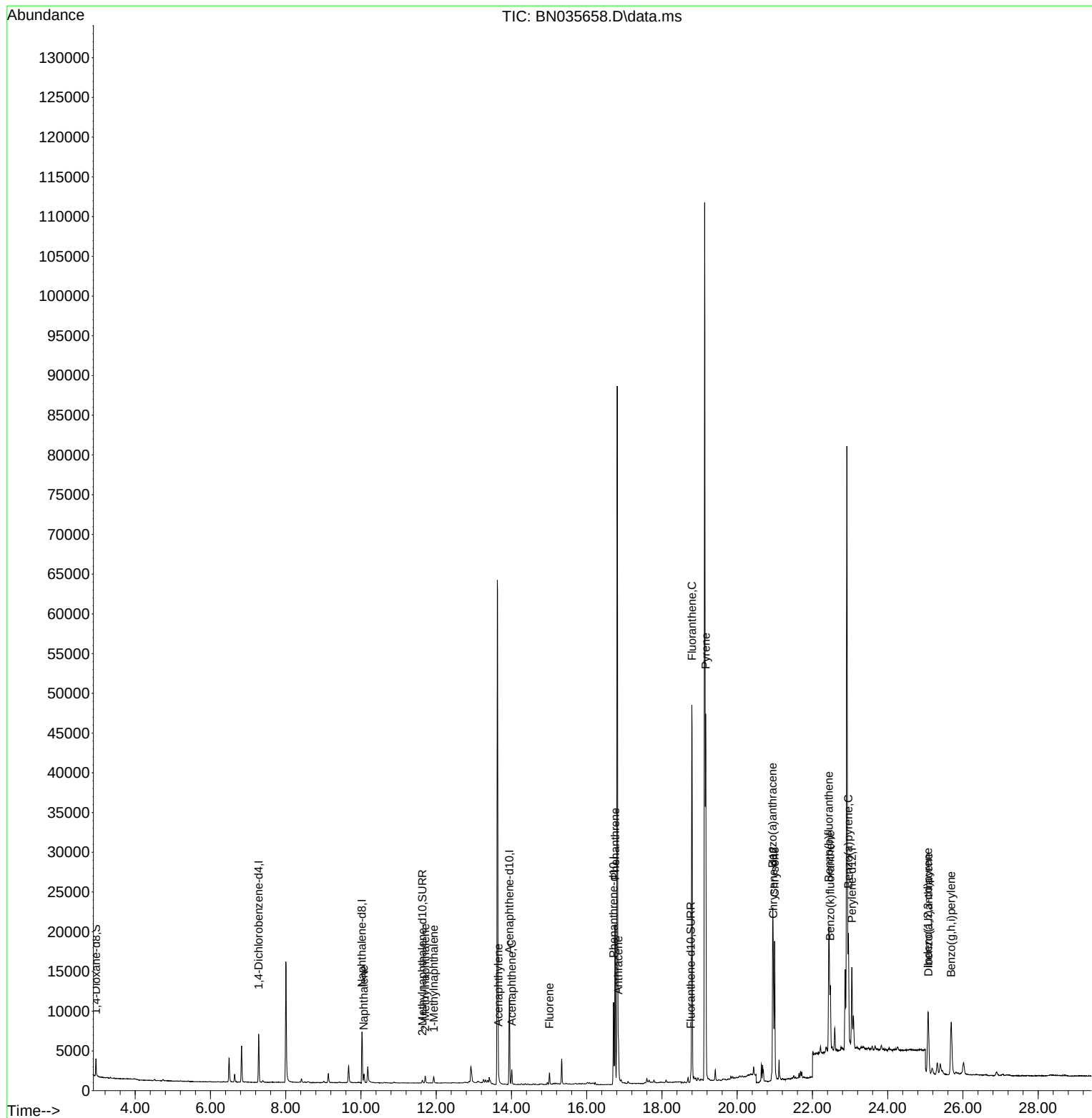
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

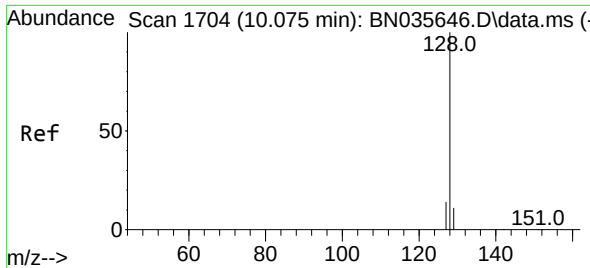
Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

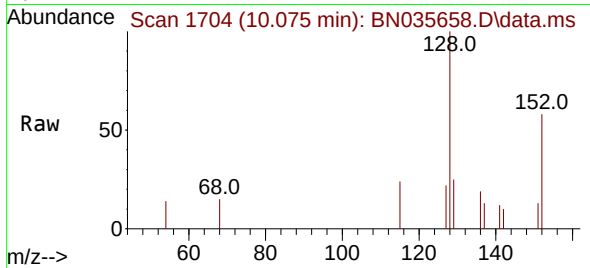
Quant Time: Dec 18 00:50:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration





#5
Naphthalene
Concen: 0.040 ng/ul m
RT: 10.075 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

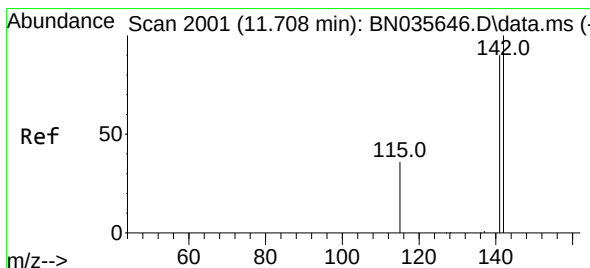
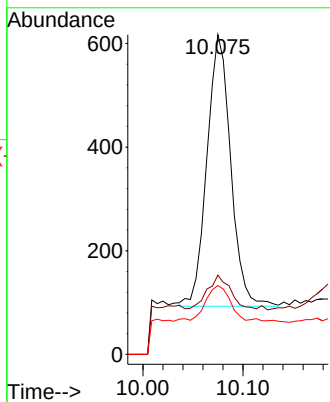
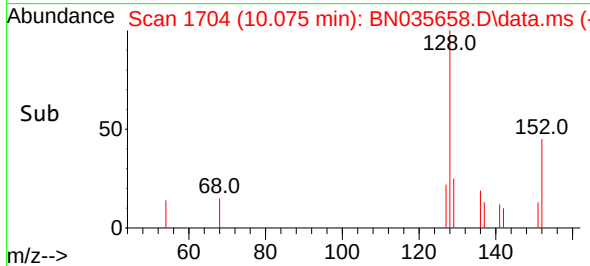
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:128 Resp: 86
Ion Ratio Lower Upper
128 100
129 24.8 10.8 16.2
127 21.6 12.0 18.0

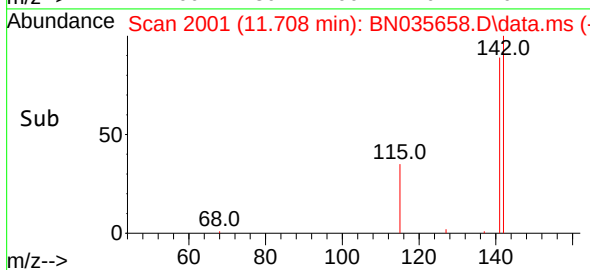
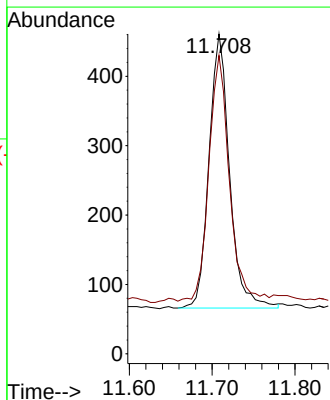
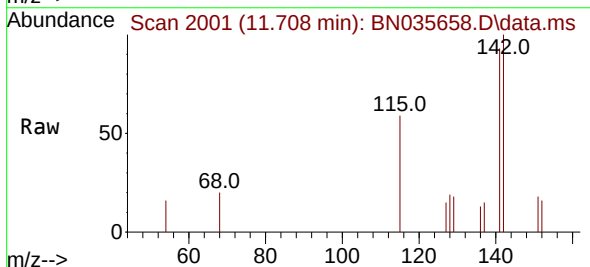
Manual Integrations
APPROVED

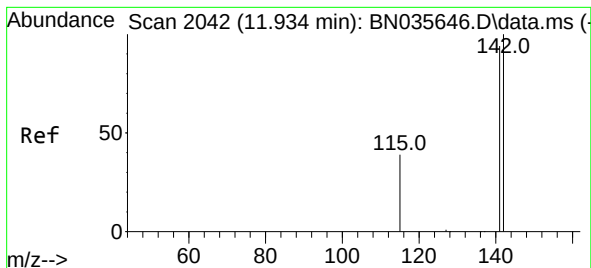
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#7
2-Methylnaphthalene
Concen: 0.047 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

Tgt Ion:142 Resp: 683
Ion Ratio Lower Upper
142 100
141 88.6 72.8 109.2





#8

1-Methylnaphthalene

Concen: 0.038 ng/ul

RT: 11.934 min Scan# 2042

Delta R.T. -0.005 min

Lab File: BN035658.D

Acq: 17 Dec 2024 17:11

Instrument :

BNA_N

ClientSampleId :

E28S4DL

Tgt Ion:142 Resp: 562

Ion Ratio Lower Upper

142 100

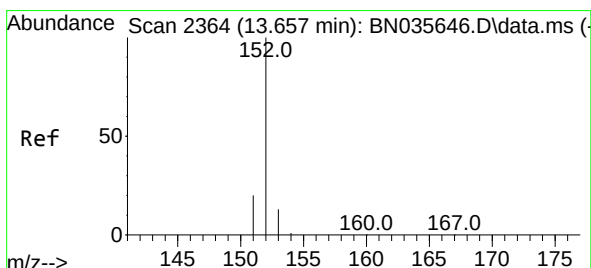
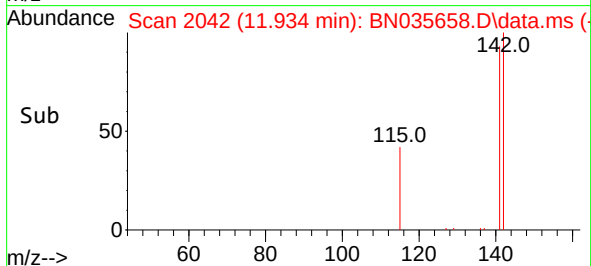
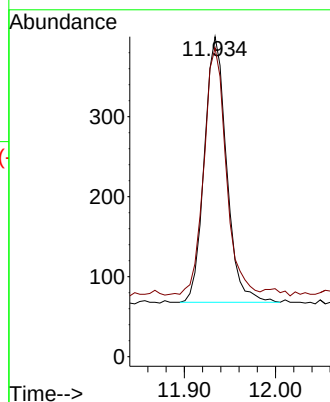
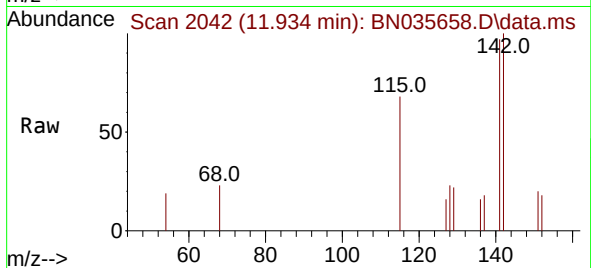
141 93.2 74.7 112.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/19/2024

Supervised By :mohammad ahmed 12/21/2024



#10

Acenaphthylene

Concen: 0.026 ng/ul

RT: 13.657 min Scan# 2364

Delta R.T. -0.005 min

Lab File: BN035658.D

Acq: 17 Dec 2024 17:11

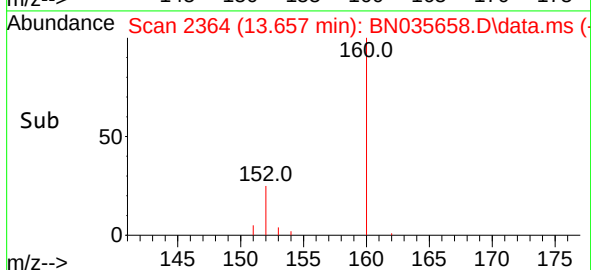
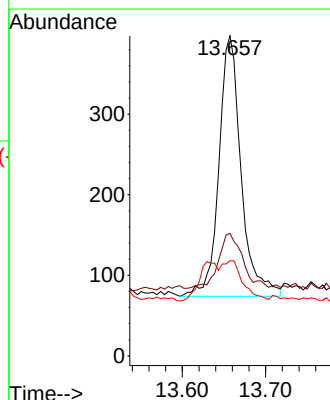
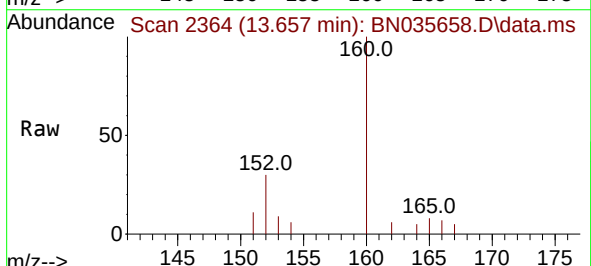
Tgt Ion:152 Resp: 597

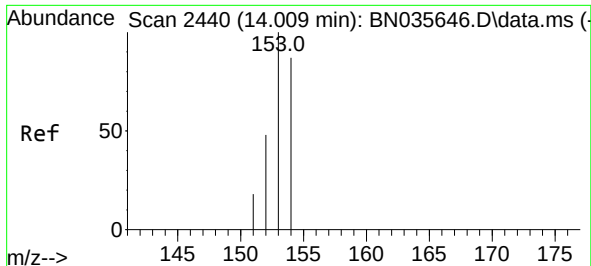
Ion Ratio Lower Upper

152 100

151 38.3 17.6 26.4#

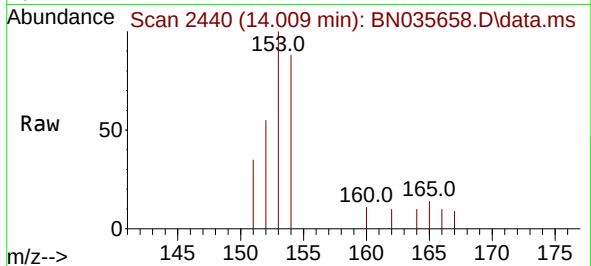
153 29.7 11.4 17.2#





#11
Acenaphthene
Concen: 0.059 ng/u1
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

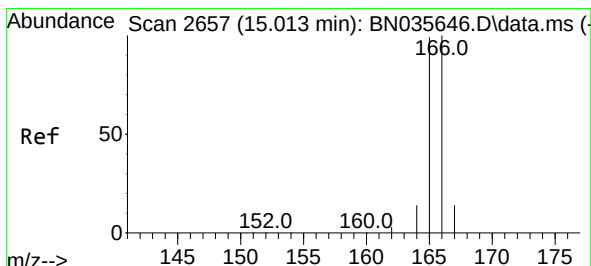
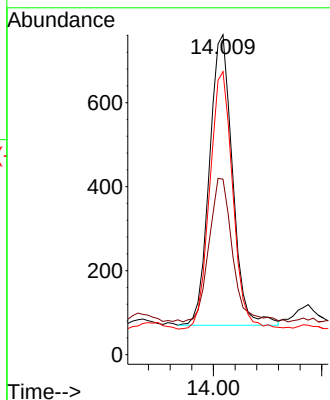
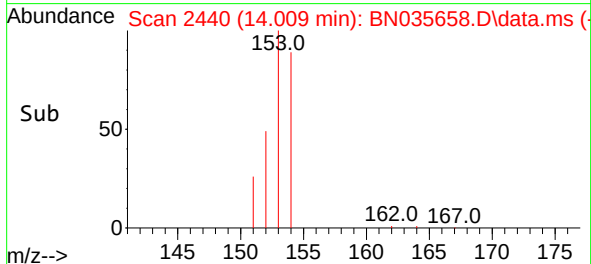
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:153 Resp: 1029
Ion Ratio Lower Upper
153 100
152 54.9 39.8 59.6
154 88.5 69.8 104.8

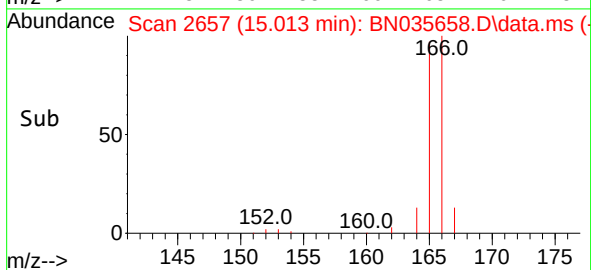
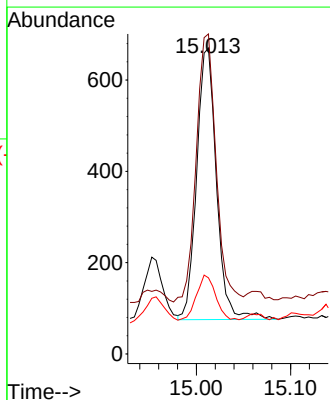
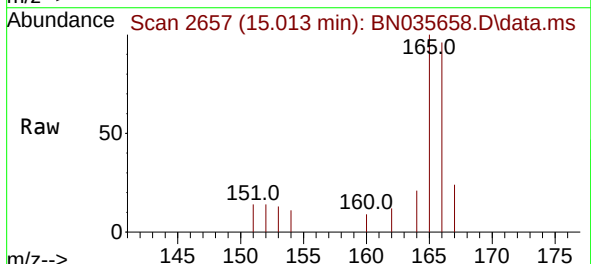
Manual Integrations
APPROVED

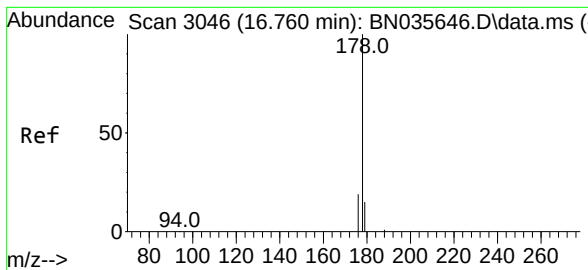
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#12
Fluorene
Concen: 0.043 ng/u1
RT: 15.013 min Scan# 2657
Delta R.T. 0.000 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

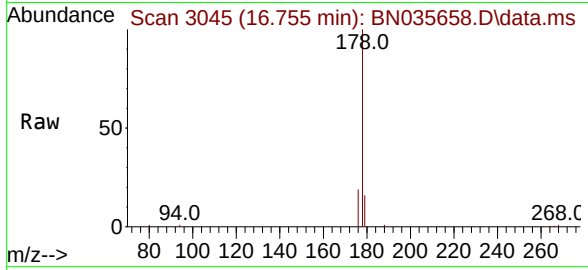
Tgt Ion:166 Resp: 869
Ion Ratio Lower Upper
166 100
165 104.6 79.5 119.3
167 24.9 11.8 17.8#





#15
Phenanthrene
Concen: 0.657 ng/ul
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

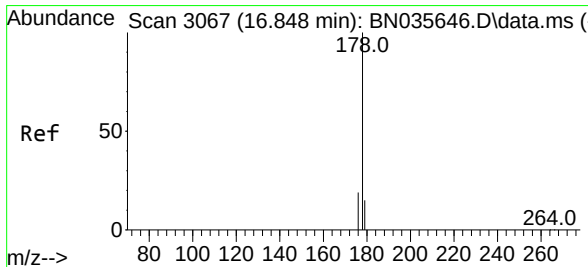
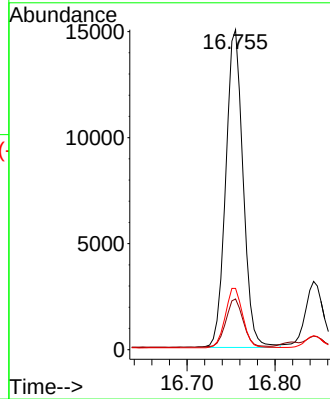
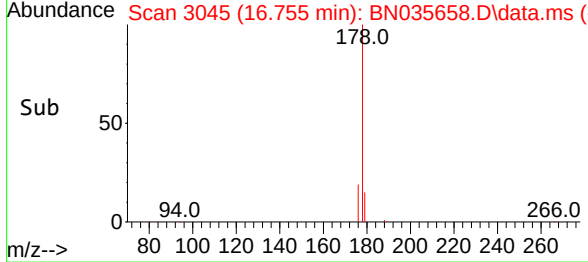
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:178 Resp: 2051
Ion Ratio Lower Upper
178 100
179 15.8 13.3 19.9
176 19.2 15.8 23.8

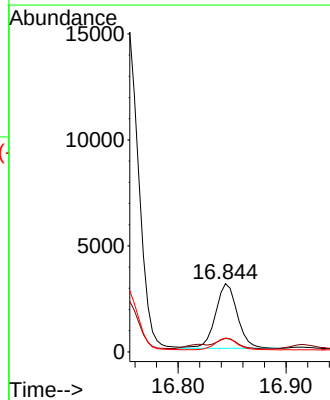
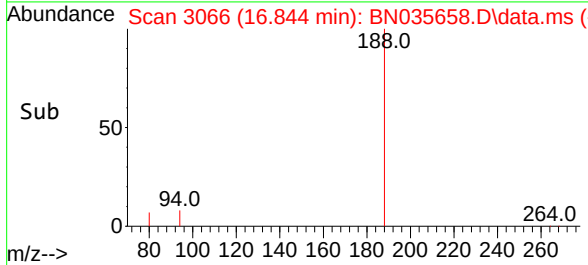
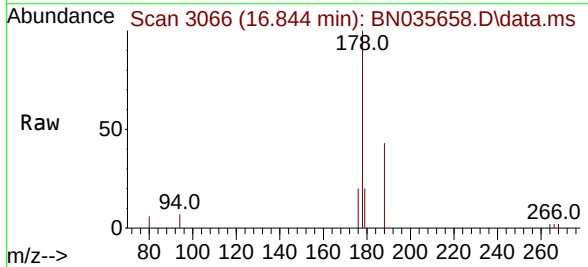
Manual Integrations
APPROVED

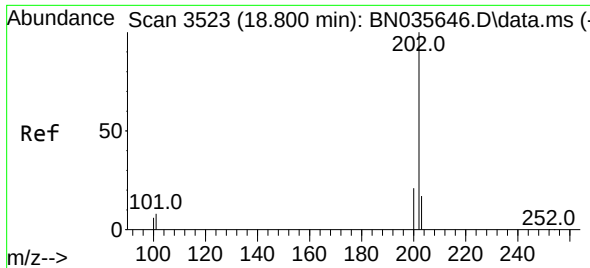
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#16
Anthracene
Concen: 0.147 ng/ul
RT: 16.844 min Scan# 3066
Delta R.T. -0.004 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

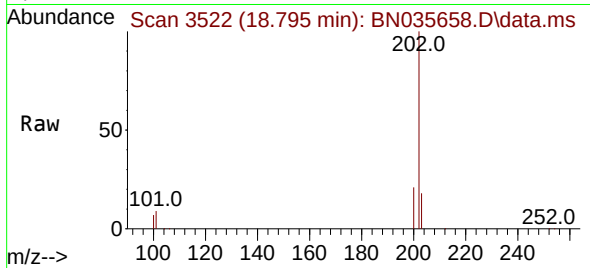
Tgt Ion:178 Resp: 4299
Ion Ratio Lower Upper
178 100
179 19.8 13.4 20.0
176 20.3 15.4 23.0





#19
Fluoranthene
Concen: 1.148 ng/ul
RT: 18.795 min Scan# 3523
Delta R.T. -0.005 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

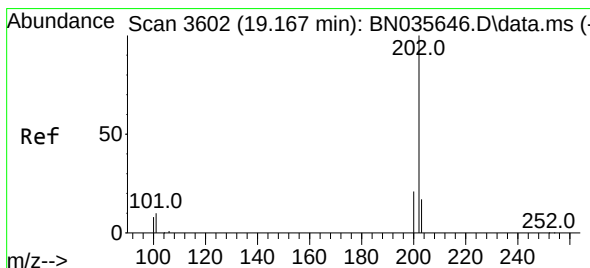
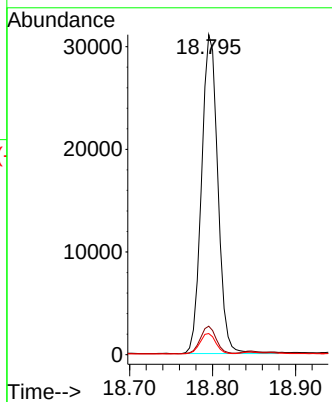
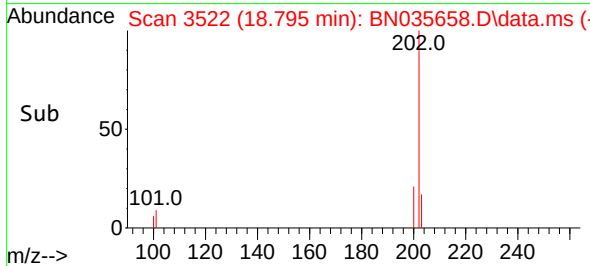
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:202 Resp: 4259
Ion Ratio Lower Upper
202 100
101 8.9 7.3 10.9
100 6.6 5.4 8.0

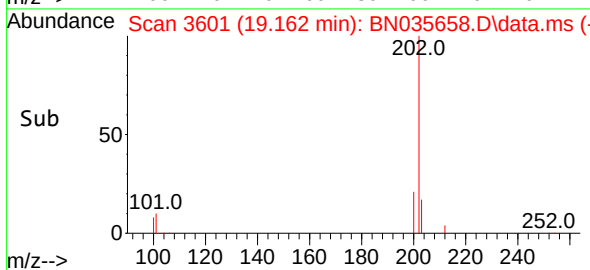
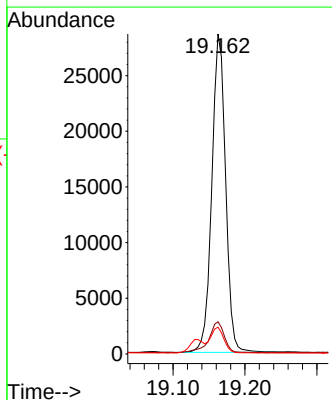
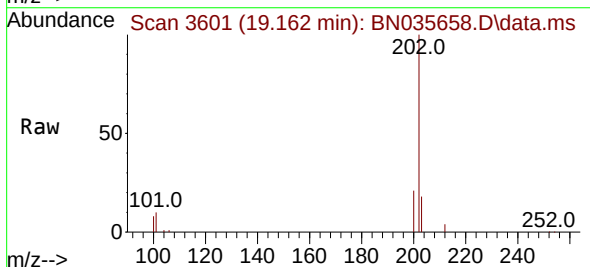
Manual Integrations
APPROVED

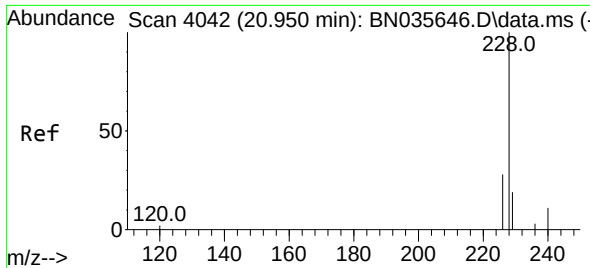
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#20
Pyrene
Concen: 0.930 ng/ul
RT: 19.162 min Scan# 3601
Delta R.T. -0.005 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

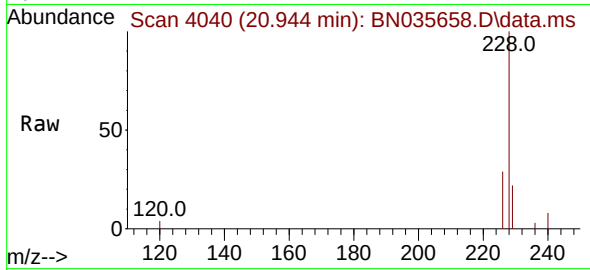
Tgt Ion:202 Resp: 38012
Ion Ratio Lower Upper
202 100
101 10.1 8.5 12.7
100 8.3 6.5 9.7





#21
Benzo(a)anthracene
Concen: 0.490 ng/ul
RT: 20.944 min Scan# 4042
Delta R.T. -0.006 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

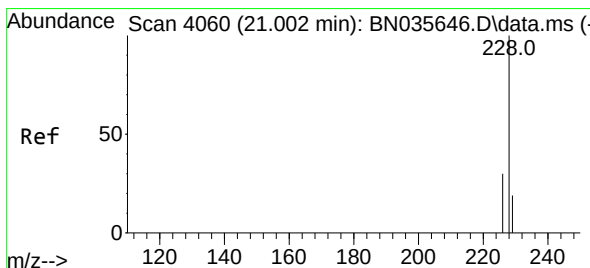
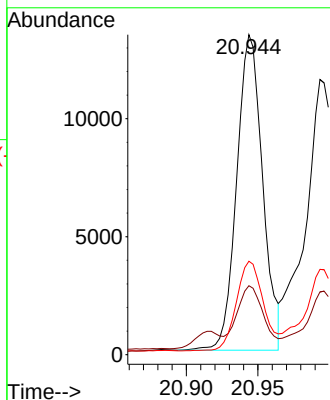
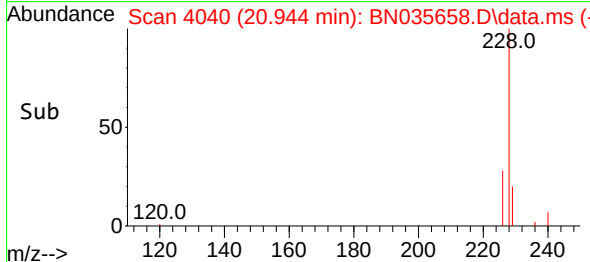
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:228 Resp: 16864
Ion Ratio Lower Upper
228 100
229 21.6 16.6 25.0
226 29.2 22.5 33.7

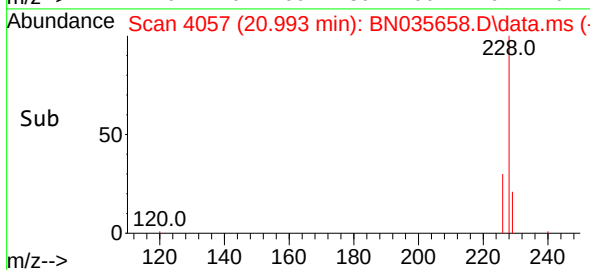
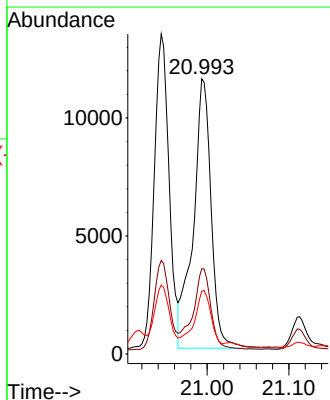
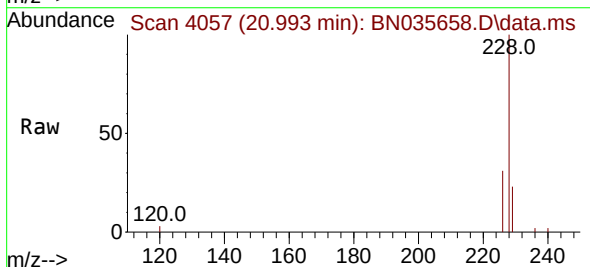
Manual Integrations
APPROVED

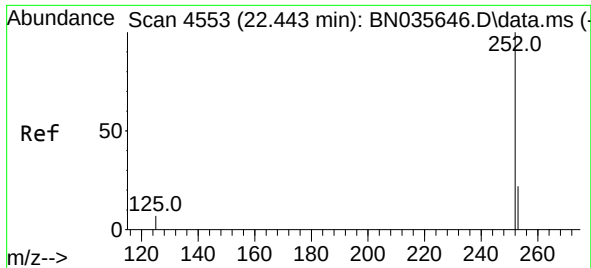
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#22
Chrysene
Concen: 0.489 ng/ul
RT: 20.993 min Scan# 4057
Delta R.T. -0.006 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

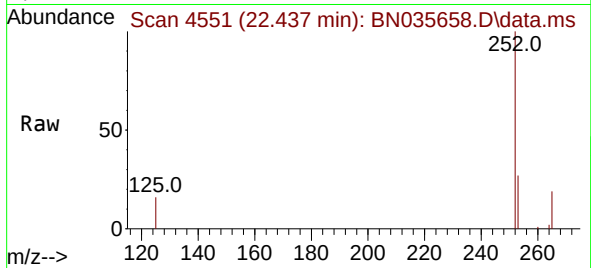
Tgt Ion:228 Resp: 17458
Ion Ratio Lower Upper
228 100
226 31.0 25.1 37.7
229 22.8 16.6 24.8





#24
Benzo(b)fluoranthene
Concen: 0.719 ng/ul m
RT: 22.437 min Scan# 4551
Delta R.T. -0.006 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

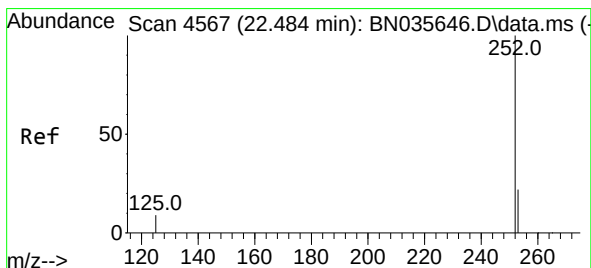
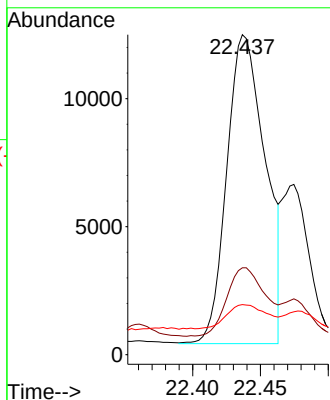
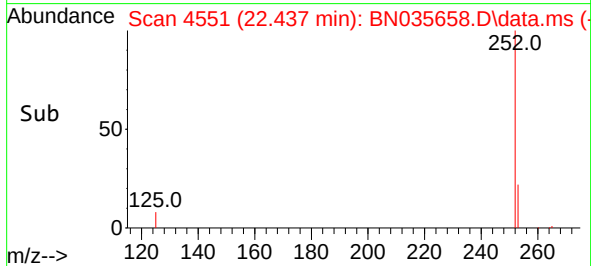
Instrument :
BNA_N
ClientSampleId :
E28S4DL



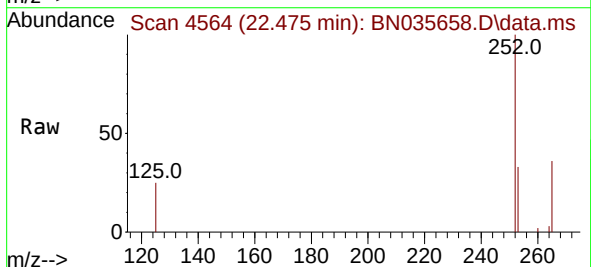
Tgt Ion:252 Resp: 2383
Ion Ratio Lower Upper
252 100
253 27.1 0.0 56.4
125 15.6 0.0 37.6

Manual Integrations
APPROVED

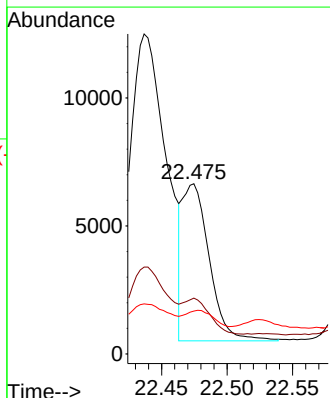
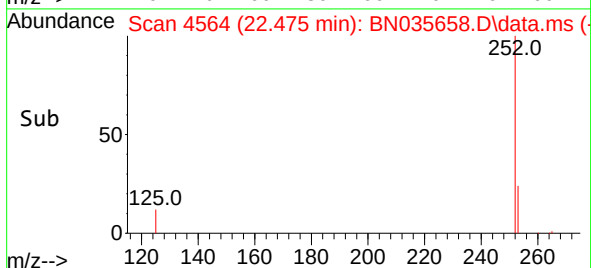
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

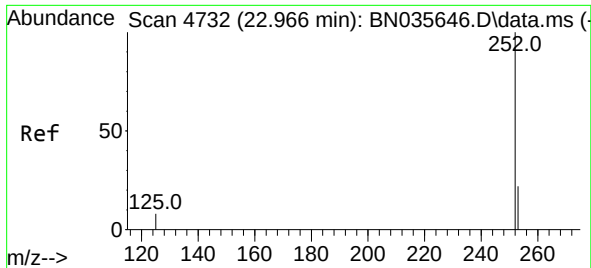


#25
Benzo(k)fluoranthene
Concen: 0.238 ng/ul m
RT: 22.475 min Scan# 4564
Delta R.T. -0.006 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11



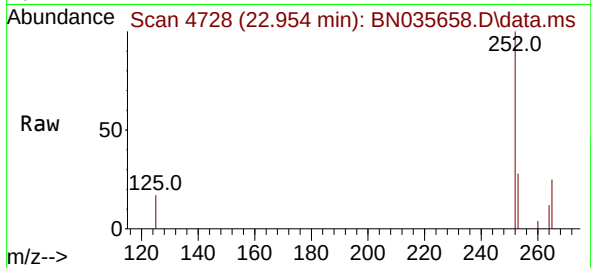
Tgt Ion:252 Resp: 8748
Ion Ratio Lower Upper
252 100
253 32.8 22.1 33.1
125 25.2 15.3 22.9#





#26
Benzo(a)pyrene
Concen: 0.515 ng/ul m
RT: 22.954 min Scan# 4728
Delta R.T. -0.009 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

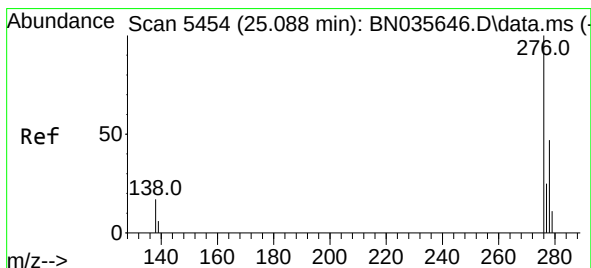
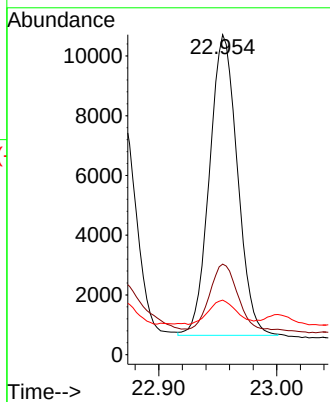
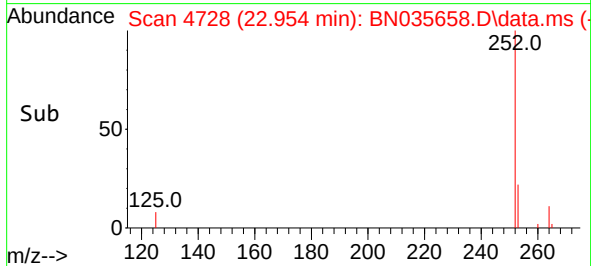
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:252 Resp: 16529
Ion Ratio Lower Upper
252 100
253 28.3 24.1 36.1
125 17.0 19.1 28.7

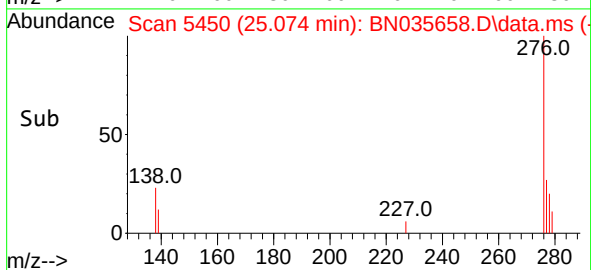
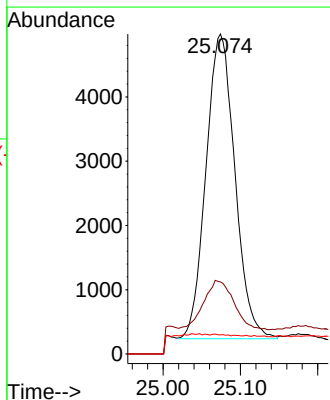
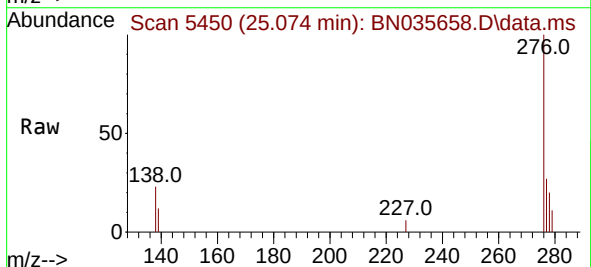
Manual Integrations
APPROVED

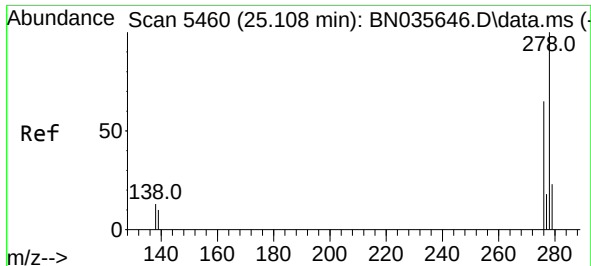
Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.316 ng/ul m
RT: 25.074 min Scan# 5450
Delta R.T. -0.007 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

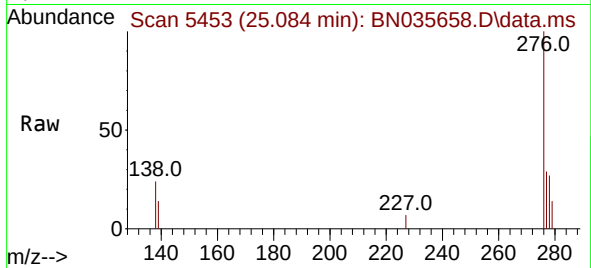
Tgt Ion:276 Resp: 12351
Ion Ratio Lower Upper
276 100
138 18.4 14.7 22.1
227 0.0 21.6 32.4





#28
Dibenzo(a,h)anthracene
Concen: 0.092 ng/ul m
RT: 25.084 min Scan# 5460
Delta R.T. -0.017 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

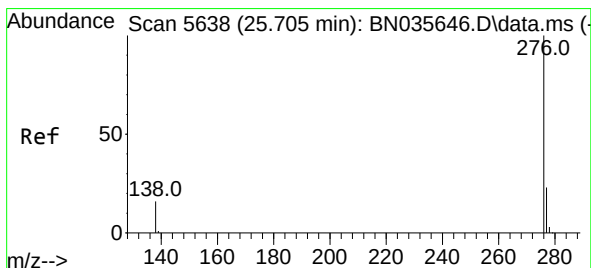
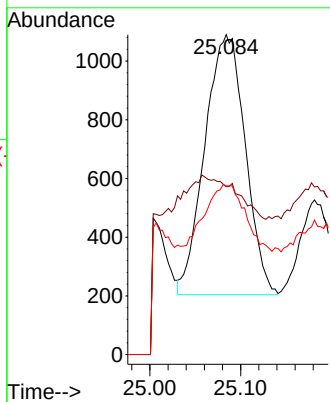
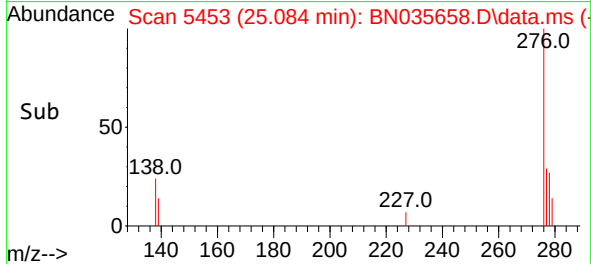
Instrument :
BNA_N
ClientSampleId :
E28S4DL



Tgt Ion:278 Resp: 274
Ion Ratio Lower Upper
278 100
139 52.5 19.8 29.8
279 52.8 24.0 36.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



#29
Benzo(g,h,i)perylene
Concen: 0.427 ng/ul
RT: 25.688 min Scan# 5633
Delta R.T. -0.010 min
Lab File: BN035658.D
Acq: 17 Dec 2024 17:11

Tgt Ion:276 Resp: 13400
Ion Ratio Lower Upper
276 100
138 23.4 19.6 29.4
277 27.2 21.6 32.4

