

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035638.D
 Acq On : 17 Dec 2024 04:24
 Operator : RC/JU
 Sample : P5232-21MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S7MS

Manual Integrations
 APPROVED

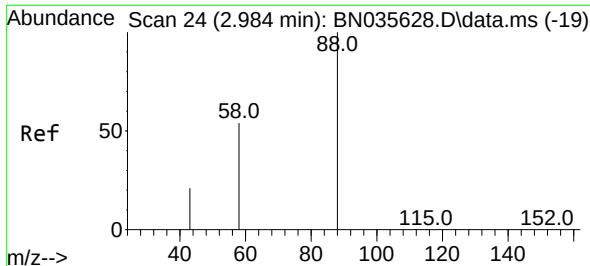
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 17 05:02:44 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)

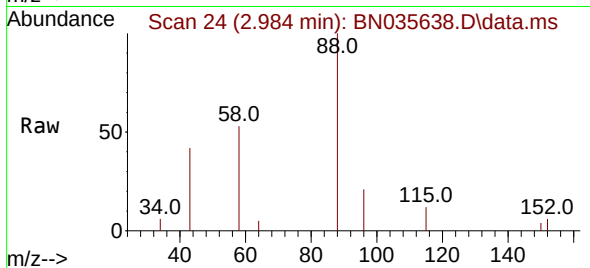
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2541	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	7493	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5030	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	10685	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	8569	0.400	ng/ul	0.00
23) Perylene-d12	23.045	264	10282	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	831	0.369	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	4913	0.460	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	13533	0.540	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.984	88	2291	1.007	ng/ul#	83
5) Naphthalene	10.080	128	12010	0.654	ng/ul	97
7) 2-Methylnaphthalene	11.708	142	9077	0.734	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	8268	0.645	ng/ul	100
10) Acenaphthylene	13.657	152	17778	0.912	ng/ul	99
11) Acenaphthene	14.009	153	7909	0.537	ng/ul	99
12) Fluorene	15.013	166	9386	0.548	ng/ul	100
14) Pentachlorophenol	16.375	266	3183	1.162	ng/ul	98
15) Phenanthrene	16.755	178	51980	1.944	ng/ul	98
16) Anthracene	16.844	178	22777	0.911	ng/ul	100
19) Fluoranthene	18.800	202	143261	4.675	ng/ul	96
20) Pyrene	19.163	202	117069	3.467	ng/ul	99
21) Benzo(a)anthracene	20.944	228	58031	2.042	ng/ul	96
22) Chrysene	20.996	228	75641	2.565	ng/ul	98
24) Benzo(b)fluoranthene	22.437	252	99725	3.291	ng/ul	87
25) Benzo(k)fluoranthene	22.475	252	41955	1.252	ng/ul#	92
26) Benzo(a)pyrene	22.954	252	59774m	2.037	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.074	276	58400	1.635	ng/ul#	69
28) Dibenzo(a,h)anthracene	25.091	278	22781m	0.835	ng/ul	
29) Benzo(g,h,i)perylene	25.688	276	53512	1.867	ng/ul#	92

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



#2
1,4-Dioxane
Concen: 1.007 ng/ul
RT: 2.984 min Scan# 24
Delta R.T. -0.004 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

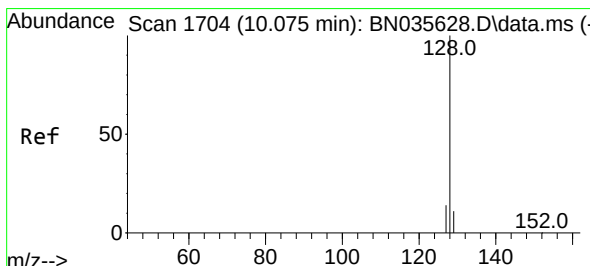
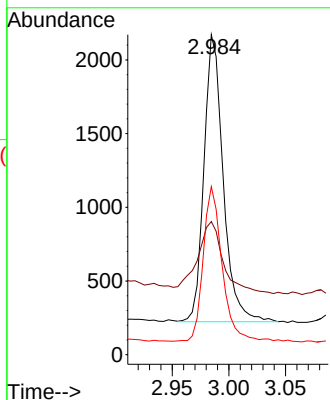
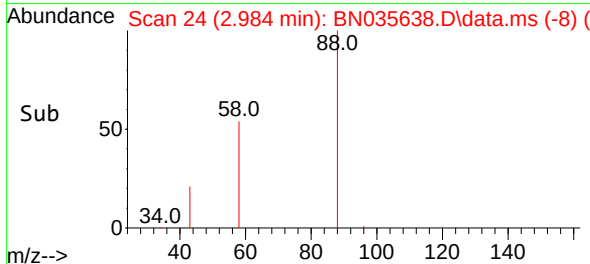
Instrument :
BNA_N
ClientSampleId :
E28S7MS



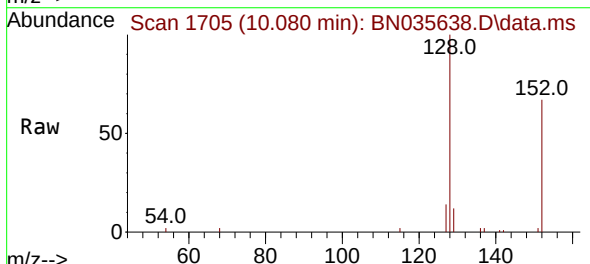
Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 41.6 39.4 59.2
58 52.5 29.8 44.6

Manual Integrations
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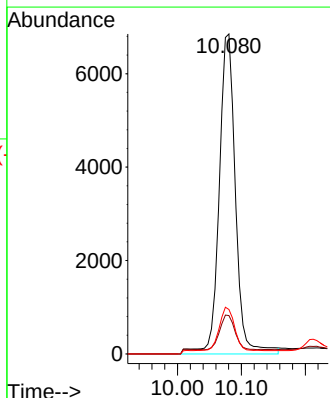
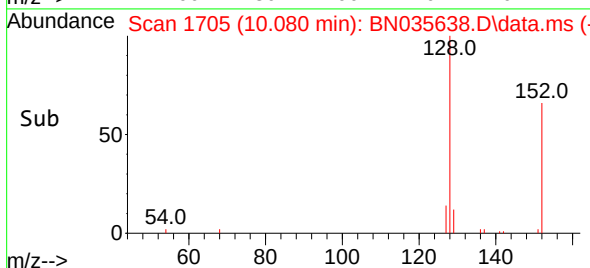
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

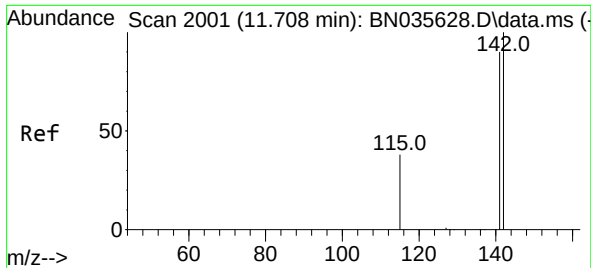


#5
Naphthalene
Concen: 0.654 ng/ul
RT: 10.080 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24



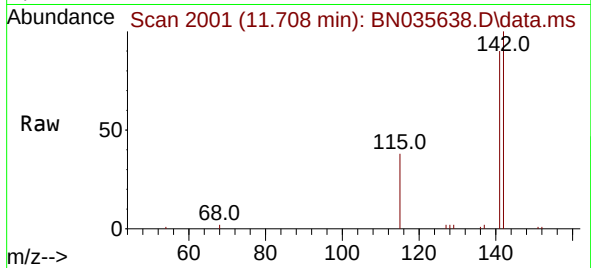
Tgt Ion:128 Resp: 12010
Ion Ratio Lower Upper
128 100
129 12.0 10.8 16.2
127 13.9 12.0 18.0





#7
2-Methylnaphthalene
Concen: 0.734 ng/ul
RT: 11.708 min Scan# 2001
Delta R.T. -0.005 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

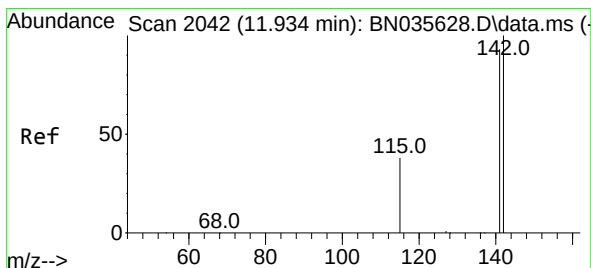
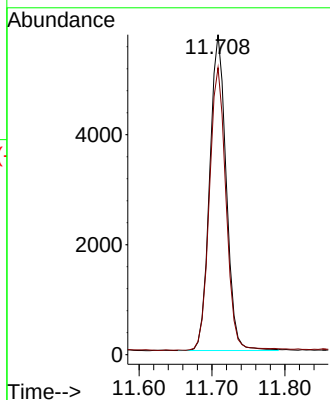
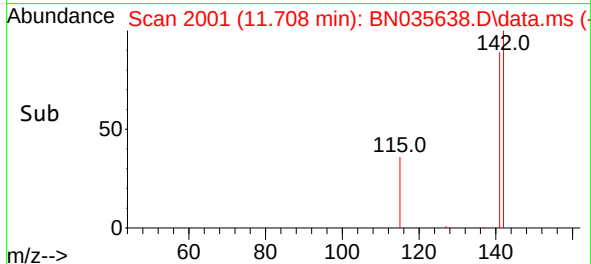
Instrument :
BNA_N
ClientSampleId :
E28S7MS



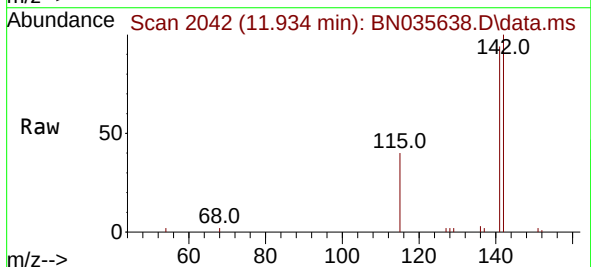
Tgt Ion:142 Resp: 907
Ion Ratio Lower Upper
142 100
141 89.9 72.8 109.2

Manual Integrations
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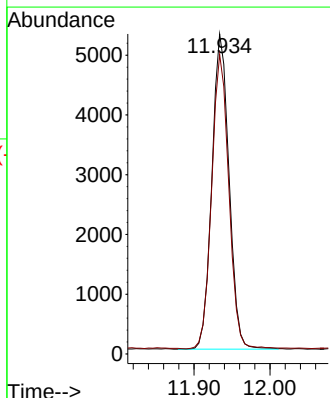
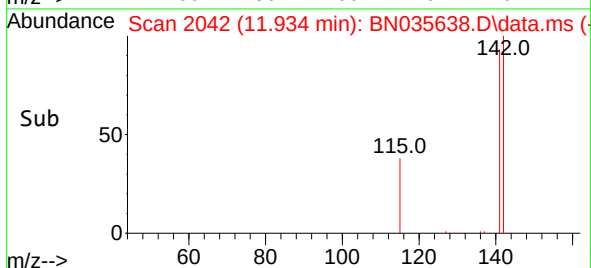
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

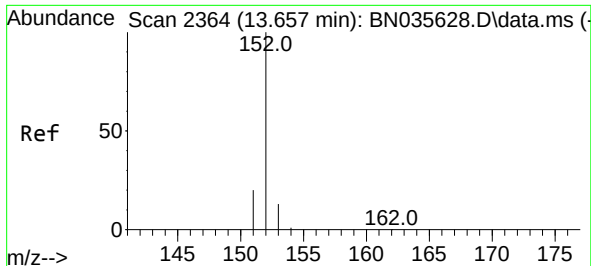


#8
1-Methylnaphthalene
Concen: 0.645 ng/ul
RT: 11.934 min Scan# 2042
Delta R.T. -0.005 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24



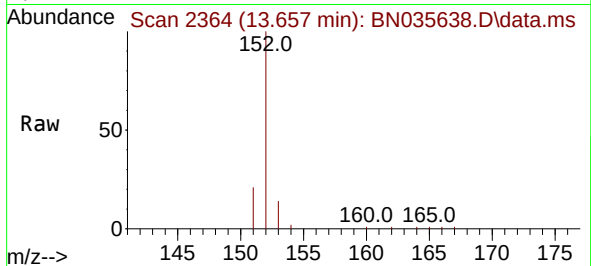
Tgt Ion:142 Resp: 8268
Ion Ratio Lower Upper
142 100
141 93.6 74.7 112.1





#10
Acenaphthylene
Concen: 0.912 ng/ul
RT: 13.657 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

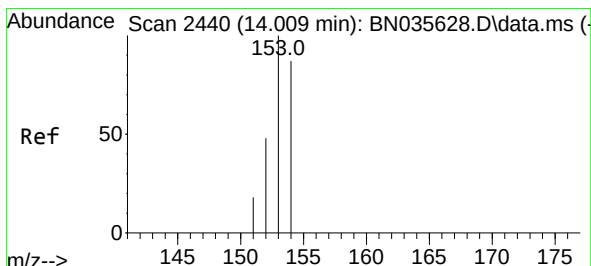
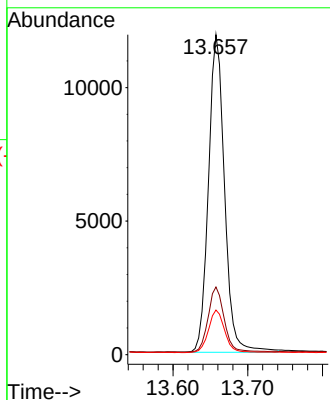
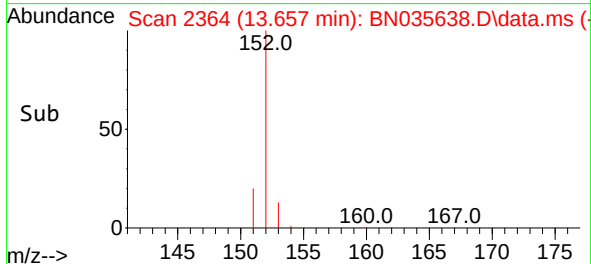
Instrument :
BNA_N
ClientSampleId :
E28S7MS



Tgt Ion:152 Resp: 17778
Ion Ratio Lower Upper
152 100
151 21.1 17.6 26.4
153 14.0 11.4 17.2

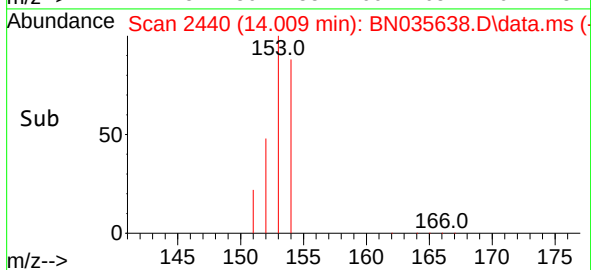
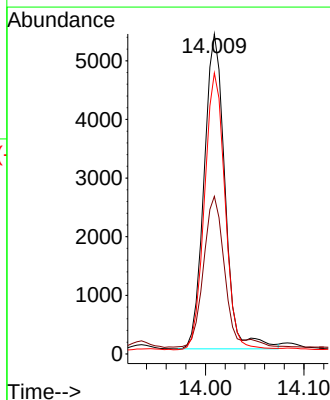
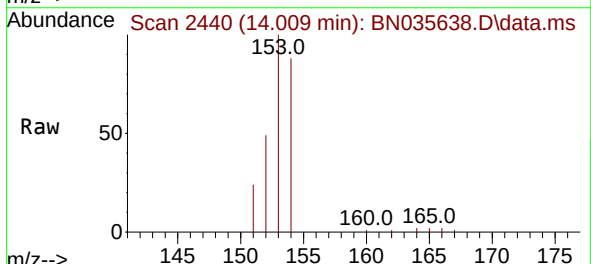
Manual Integrations
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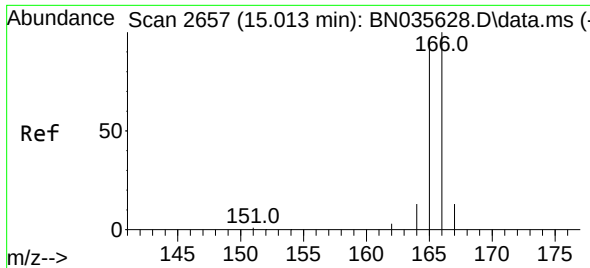
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#11
Acenaphthene
Concen: 0.537 ng/ul
RT: 14.009 min Scan# 2440
Delta R.T. 0.000 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

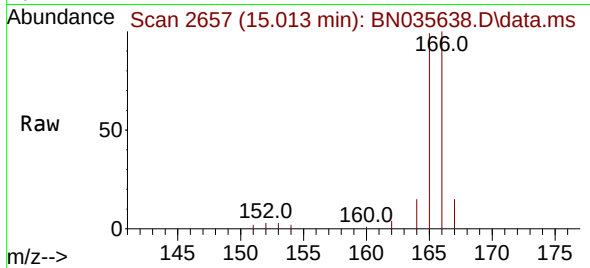
Tgt Ion:153 Resp: 7909
Ion Ratio Lower Upper
153 100
152 49.3 39.8 59.6
154 87.8 69.8 104.8





#12
 Fluorene
 Concen: 0.548 ng/ul
 RT: 15.013 min Scan# 2055
 Delta R.T. 0.000 min
 Lab File: BN035638.D
 Acq: 17 Dec 2024 04:24

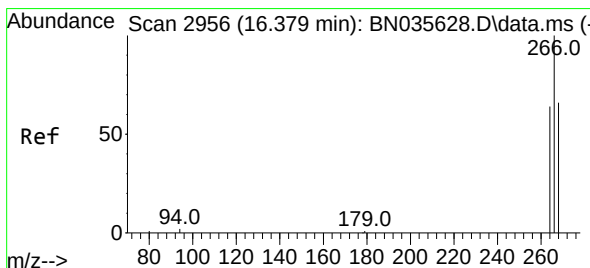
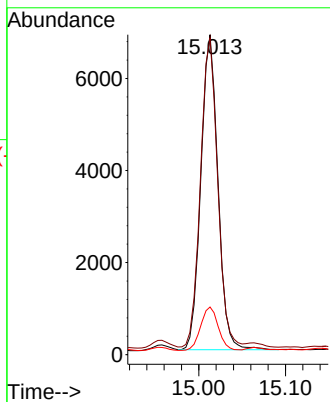
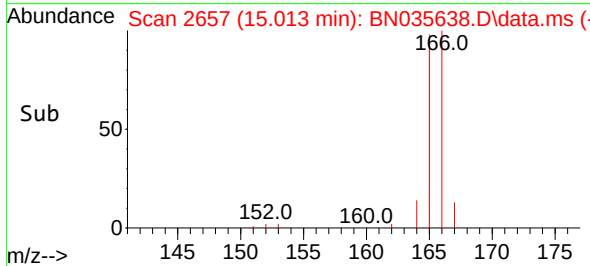
Instrument :
 BNA_N
 ClientSampleId :
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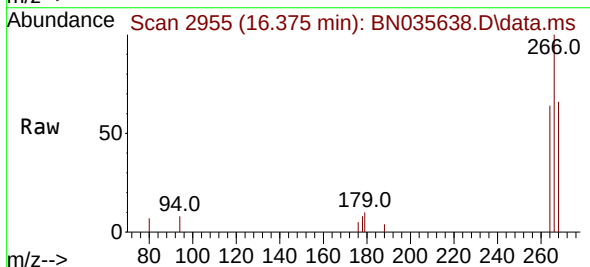
Tgt Ion:166 Resp: 9380
 Ion Ratio Lower Upper
 166 100
 165 99.0 79.5 119.3
 167 14.9 11.8 17.8

Manual Integrations
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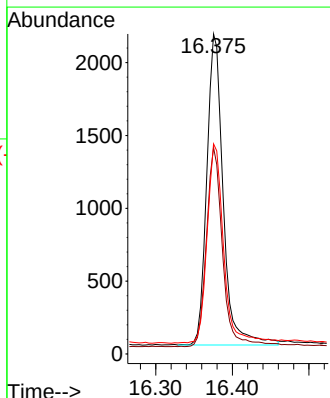
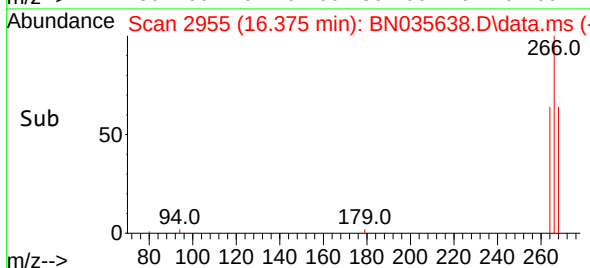
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/21/2024

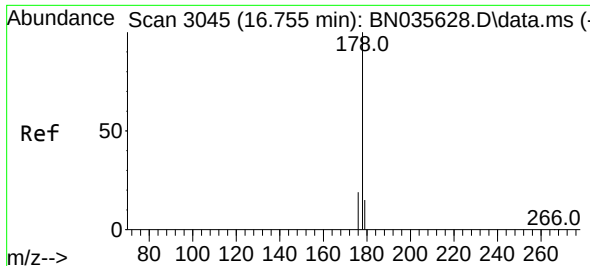


#14
 Pentachlorophenol
 Concen: 1.162 ng/ul
 RT: 16.375 min Scan# 2955
 Delta R.T. -0.004 min
 Lab File: BN035638.D
 Acq: 17 Dec 2024 04:24



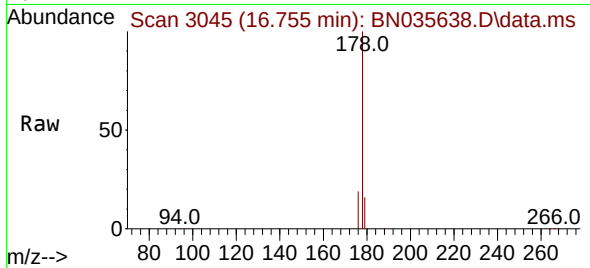
Tgt Ion:266 Resp: 3183
 Ion Ratio Lower Upper
 266 100
 264 63.2 49.9 74.9
 268 64.5 52.8 79.2





#15
Phenanthrene
Concen: 1.944 ng/ul
RT: 16.755 min Scan# 3045
Delta R.T. -0.004 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

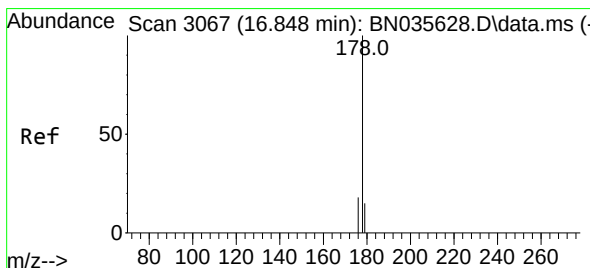
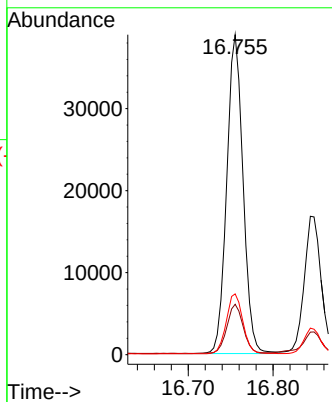
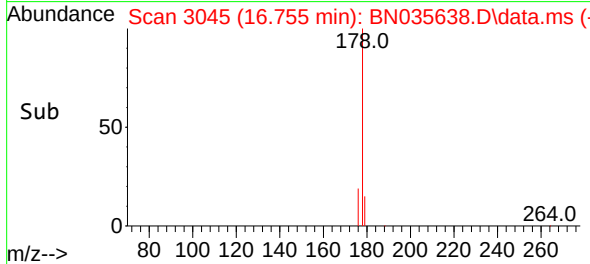
Instrument :
BNA_N
ClientSampleId :
E28S7MS



Tgt Ion:178 Resp: 51980
Ion Ratio Lower Upper
178 100
179 15.8 13.3 19.9
176 19.0 15.8 23.8

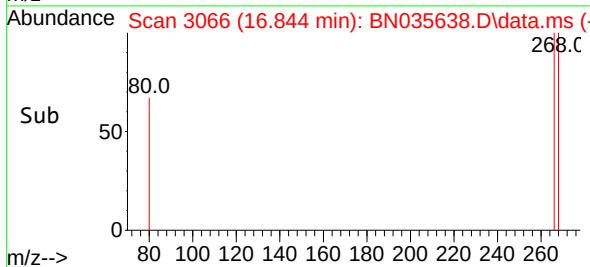
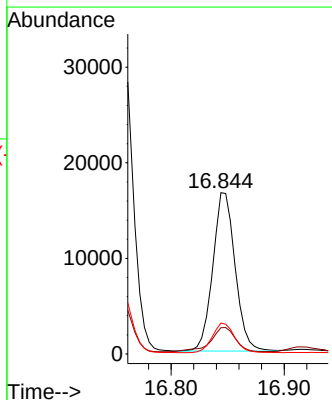
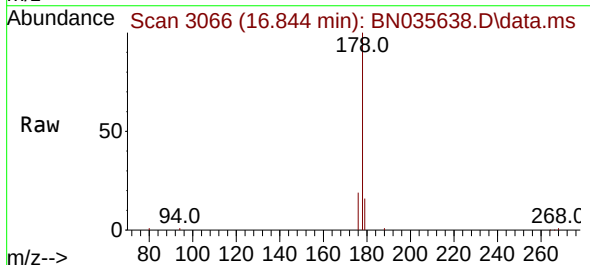
Manual Integrations
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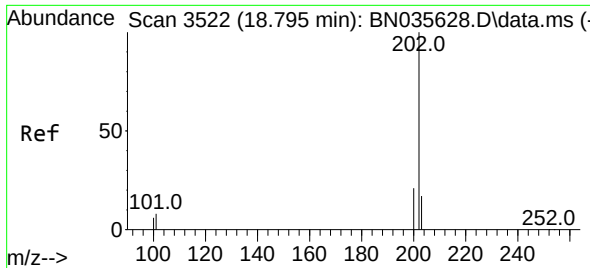
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#16
Anthracene
Concen: 0.911 ng/ul
RT: 16.844 min Scan# 3066
Delta R.T. -0.004 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

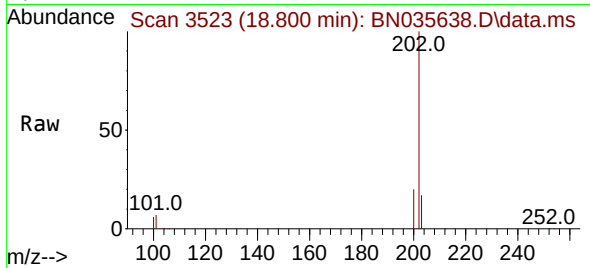
Tgt Ion:178 Resp: 22777
Ion Ratio Lower Upper
178 100
179 16.3 13.4 20.0
176 19.2 15.4 23.0





#19
Fluoranthene
Concen: 4.675 ng/u1
RT: 18.800 min Scan# 3522
Delta R.T. 0.000 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

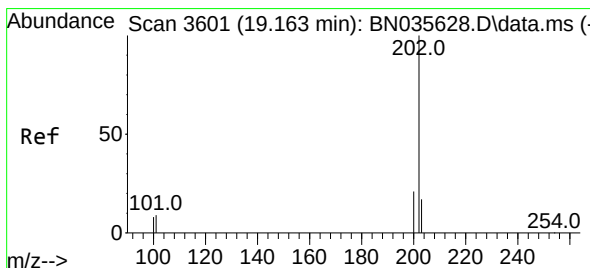
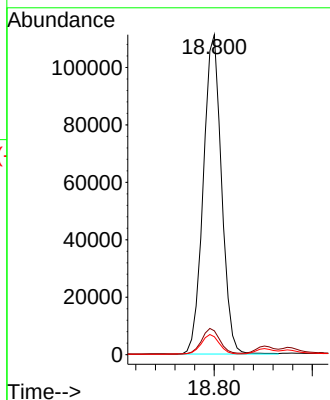
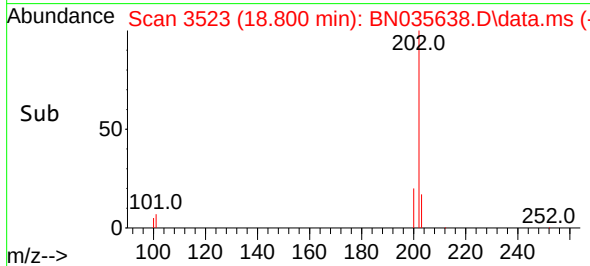
Instrument :
BNA_N
ClientSampleId :
E28S7MS



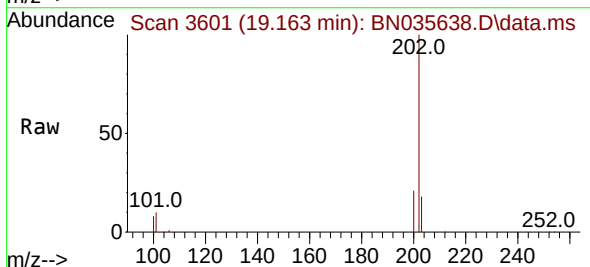
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Ion Ratio Lower Upper
202 100
101 7.4 7.3 10.9
100 5.6 5.4 8.0

Manual Integrations
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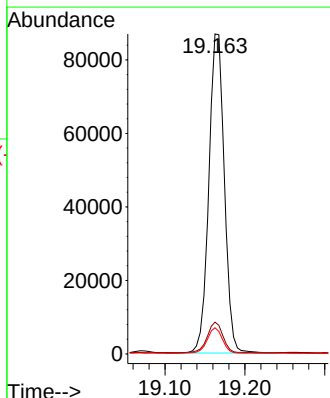
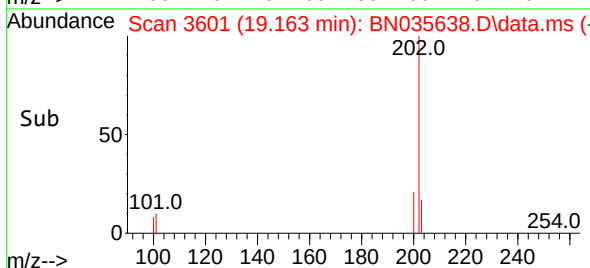
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

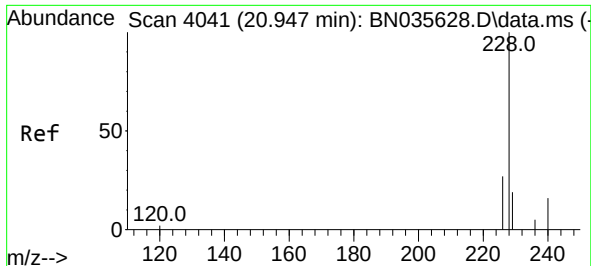


#20
Pyrene
Concen: 3.467 ng/u1
RT: 19.163 min Scan# 3601
Delta R.T. -0.004 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24



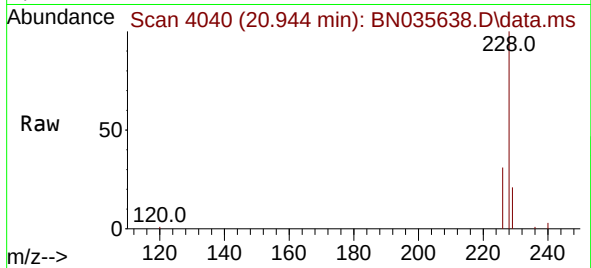
Tgt Ion:202 Resp: 117069
Ion Ratio Lower Upper
202 100
101 9.9 8.5 12.7
100 8.2 6.5 9.7





#21
Benzo(a)anthracene
Concen: 2.042 ng/u1
RT: 20.944 min Scan# 4041
Delta R.T. -0.006 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

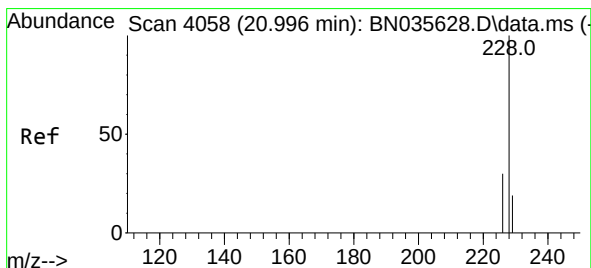
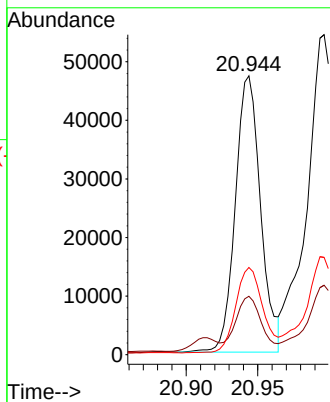
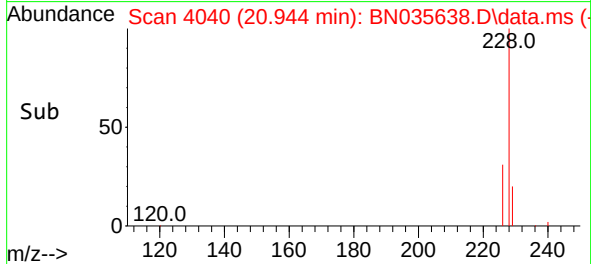
Instrument :
BNA_N
ClientSampleId :
E28S7MS



Tgt Ion:228 Resp: 5803
Ion Ratio Lower Upper
228 100
229 20.9 16.6 25.0
226 31.3 22.5 33.7

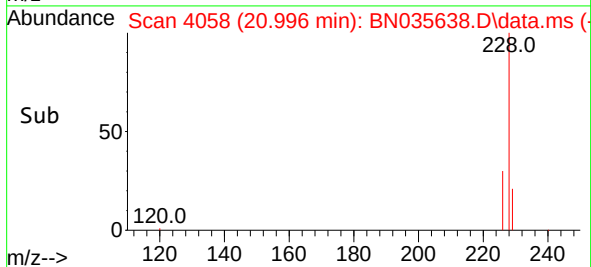
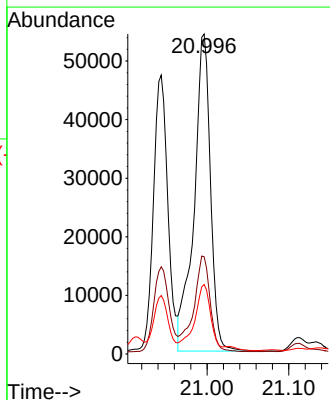
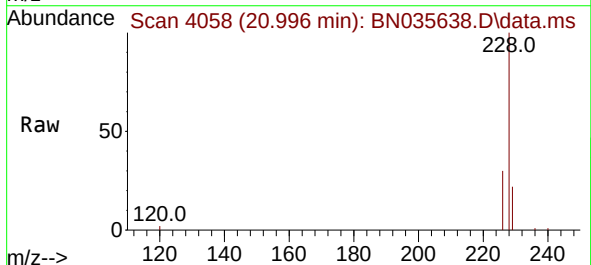
Manual Integrations
APPROVED

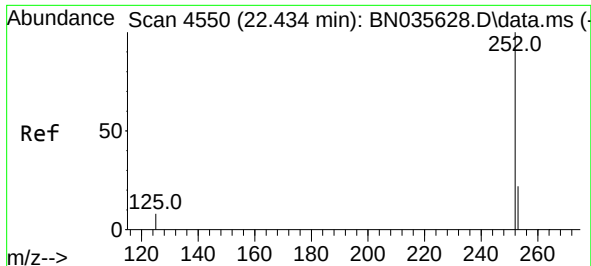
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#22
Chrysene
Concen: 2.565 ng/u1
RT: 20.996 min Scan# 4058
Delta R.T. -0.003 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

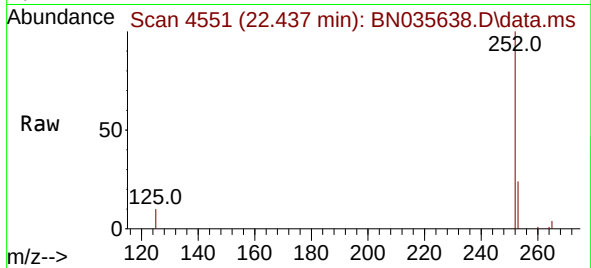
Tgt Ion:228 Resp: 75641
Ion Ratio Lower Upper
228 100
226 30.4 25.1 37.7
229 21.7 16.6 24.8





#24
Benzo(b)fluoranthene
Concen: 3.291 ng/ul
RT: 22.437 min Scan# 4551
Delta R.T. -0.006 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

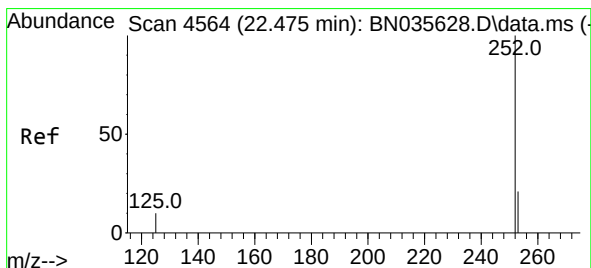
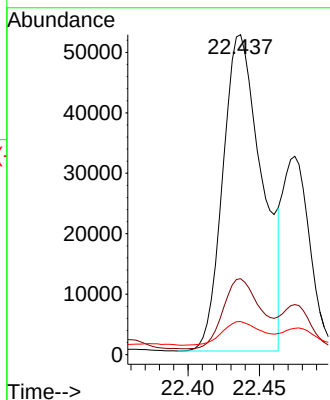
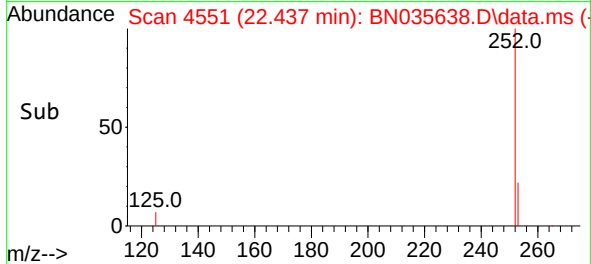
Instrument :
BNA_N
ClientSampleId :
E28S7MS



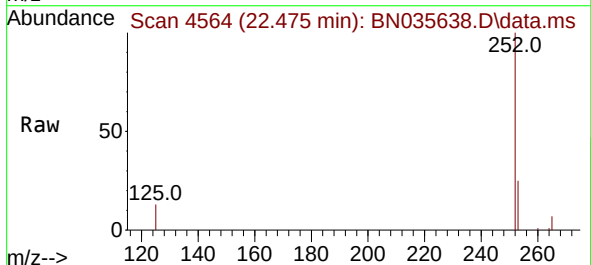
Tgt Ion:252 Resp: 99725
Ion Ratio Lower Upper
252 100
253 23.8 0.0 56.4
125 10.4 0.0 37.6

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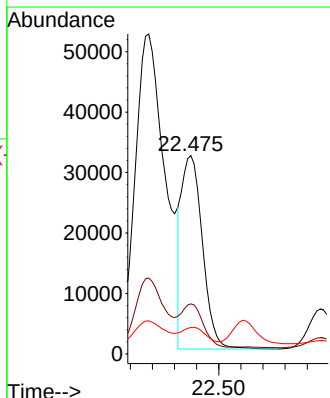
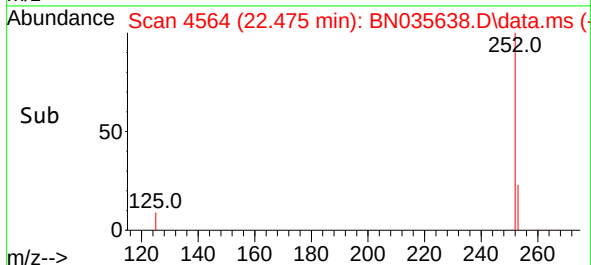
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

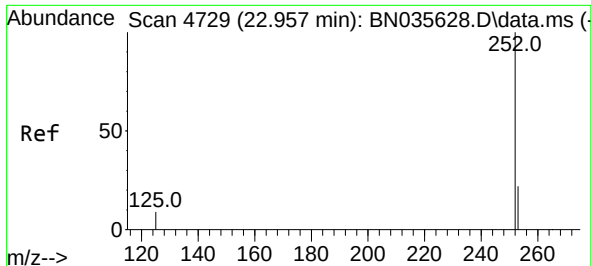


#25
Benzo(k)fluoranthene
Concen: 1.252 ng/ul
RT: 22.475 min Scan# 4564
Delta R.T. -0.006 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24



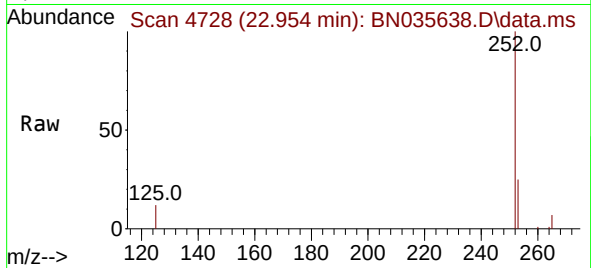
Tgt Ion:252 Resp: 41955
Ion Ratio Lower Upper
252 100
253 25.3 22.1 33.1
125 13.3 15.3 22.9#





#26
Benzo(a)pyrene
Concen: 2.037 ng/ul m
RT: 22.954 min Scan# 4729
Delta R.T. -0.009 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

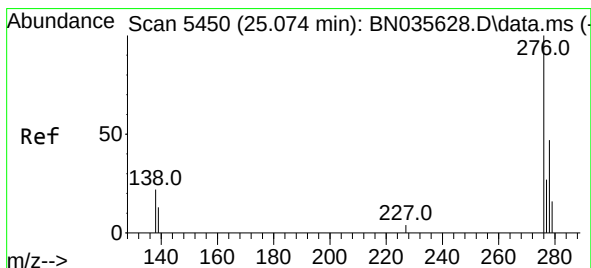
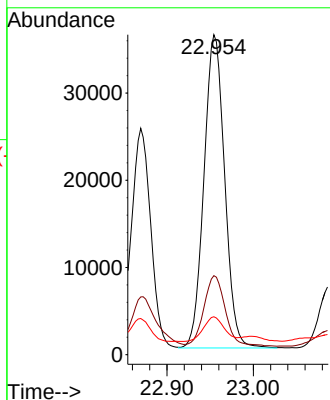
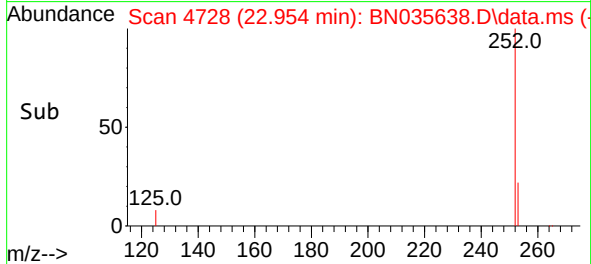
Instrument :
BNA_N
ClientSampleId :
E28S7MS



Tgt Ion:252 Resp: 59774
Ion Ratio Lower Upper
252 100
253 24.7 24.1 36.1
125 11.8 19.1 28.7

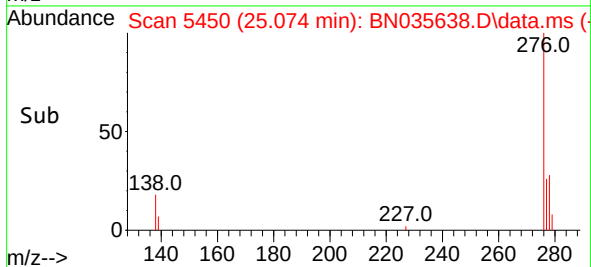
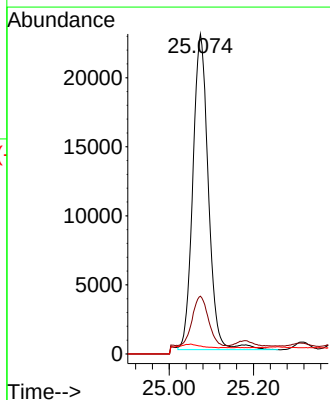
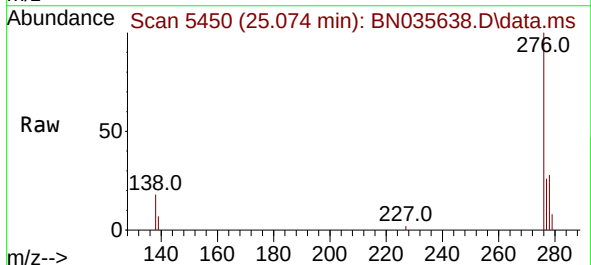
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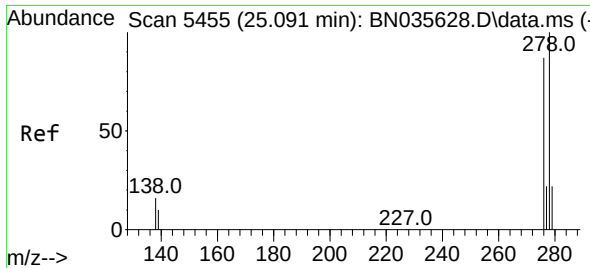
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 1.635 ng/ul
RT: 25.074 min Scan# 5450
Delta R.T. -0.007 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

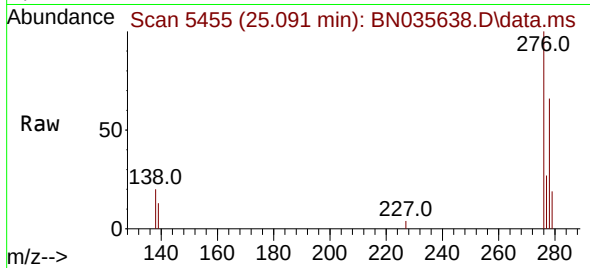
Tgt Ion:276 Resp: 58400
Ion Ratio Lower Upper
276 100
138 17.9 14.7 22.1
227 0.0 21.6 32.4





#28
Dibenzo(a,h)anthracene
Concen: 0.835 ng/ul m
RT: 25.091 min Scan# 5455
Delta R.T. -0.010 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

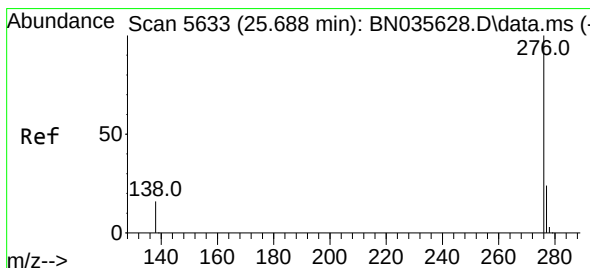
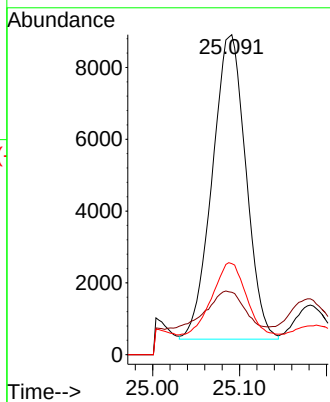
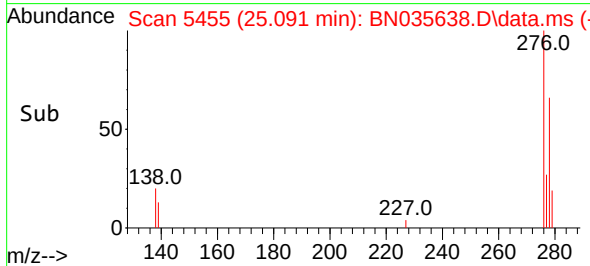
Instrument :
BNA_N
ClientSampleId :
E28S7MS



Tgt Ion:278 Resp: 2278
Ion Ratio Lower Upper
278 100
139 19.5 19.8 29.8
279 28.4 24.0 36.0

Manual Integrations
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



#29
Benzo(g,h,i)perylene
Concen: 1.867 ng/ul
RT: 25.688 min Scan# 5633
Delta R.T. -0.010 min
Lab File: BN035638.D
Acq: 17 Dec 2024 04:24

Tgt Ion:276 Resp: 53512
Ion Ratio Lower Upper
276 100
138 18.7 19.6 29.4
277 24.9 21.6 32.4

