

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035596.D
 Acq On : 13 Dec 2024 14:30
 Operator : RC/JU
 Sample : P5153-19MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28Q4MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

Quant Time: Dec 13 15:33:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 10 16:10:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	1555	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.037	136	9482	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.954	164	4190	0.400	ng/ul	# 0.00
13) Phenanthrene-d10	16.726	188	5481	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.982	240	4081	0.400	ng/ul	# 0.02
23) Perylene-d12	23.101	264	5124	0.400	ng/ul	# 0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.959	96	1554	1.093	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	2537	0.183	ng/ul	0.00
18) Fluoranthene-d10	18.782	212	5094	0.452	ng/ul	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.993	88	2456	1.592	ng/ul#	1
5) Naphthalene	10.086	128	31978	1.339	ng/ul	99
7) 2-Methylnaphthalene	11.719	142	42788	2.583	ng/ul	98
8) 1-Methylnaphthalene	11.945	142	14806	0.885	ng/ul	97
10) Acenaphthylene	13.667	152	10094	0.607	ng/ul#	79
11) Acenaphthene	14.018	153	4209	0.331	ng/ul	90
12) Fluorene	15.022	166	8276	0.554	ng/ul#	90
14) Pentachlorophenol	16.392	266	2120	1.661	ng/ul	96
15) Phenanthrene	16.768	178	78091	5.389	ng/ul	93
16) Anthracene	16.857	178	42433	3.155	ng/ul#	85
19) Fluoranthene	18.814	202	68949	4.853	ng/ul#	93
20) Pyrene	19.181	202	72163	4.880	ng/ul#	91
21) Benzo(a)anthracene	20.967	228	41985	2.965	ng/ul#	64
22) Chrysene	21.020	228	66473	4.665	ng/ul#	73
24) Benzo(b)fluoranthene	22.478	252	82150m	4.850	ng/ul	
25) Benzo(k)fluoranthene	22.516	252	30152m	1.727	ng/ul	
26) Benzo(a)pyrene	23.007	252	40641	2.626	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.165	276	48319	2.311	ng/ul#	1
28) Dibenzo(a,h)anthracene	25.175	278	16522m	1.008	ng/ul	
29) Benzo(g,h,i)perylene	25.789	276	59650	3.619	ng/ul#	60

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

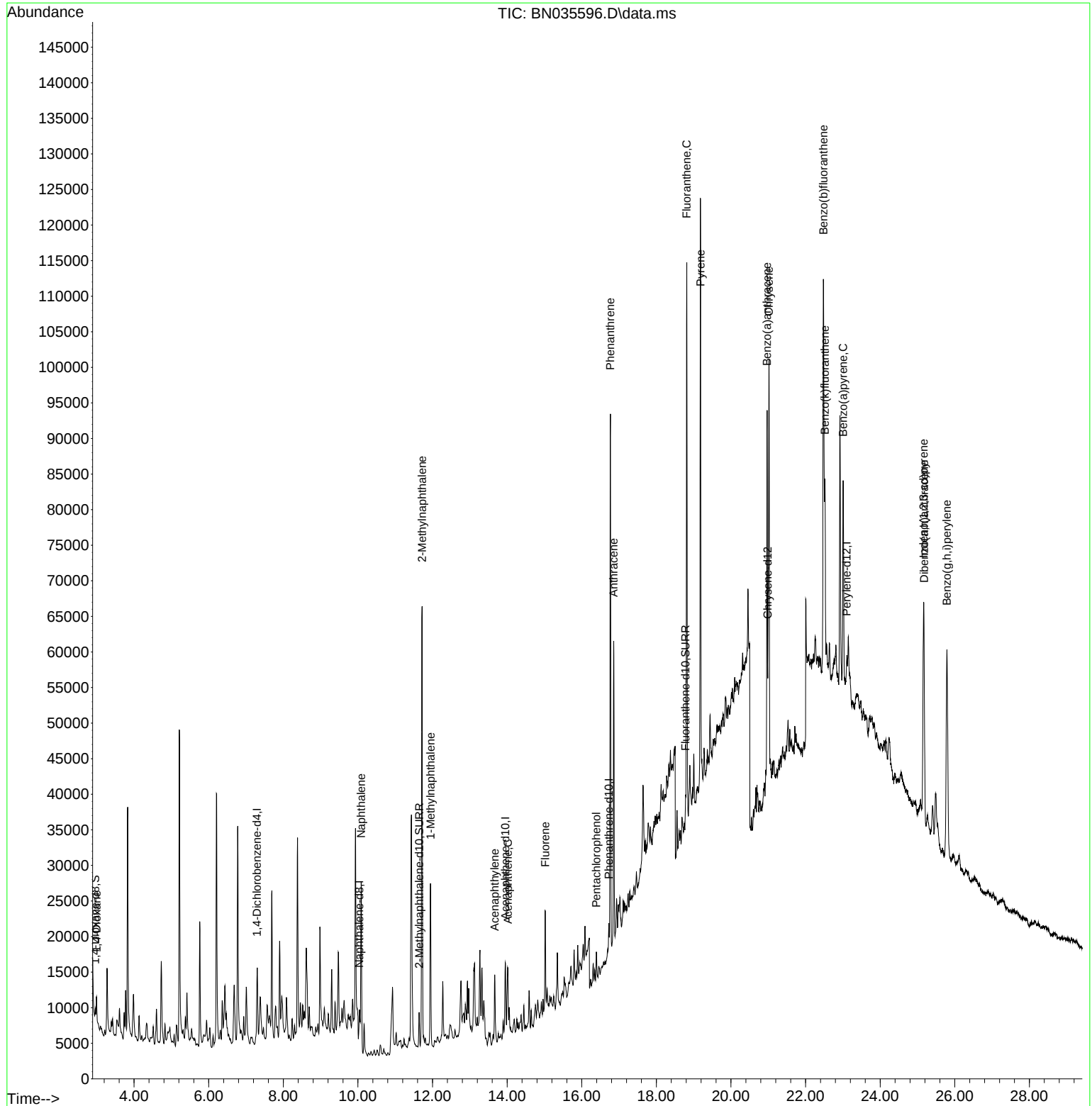
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035596.D
Acq On : 13 Dec 2024 14:30
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ALS Vial : 9 Sample Multiplier: 1

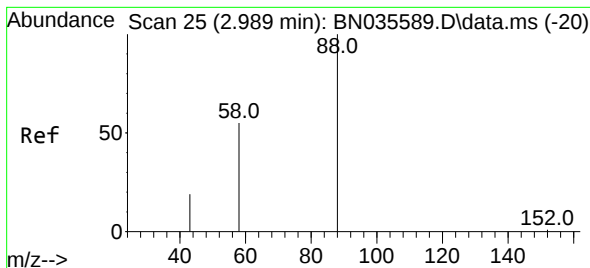
Instrument :
BNA_N
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E28Q4MSD

Quant Time: Dec 13 15:33:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 12/14/2024





#2

1,4-Dioxane

Concen: 1.592 ng/ul

RT: 2.993 min Scan# 20

Delta R.T. 0.000 min

Lab File: BN035596.D

Acq: 13 Dec 2024 14:30

Instrument :

BNA_N

ClientSampleId :

E28Q4MSD

Tgt Ion: 88 Resp: 2450

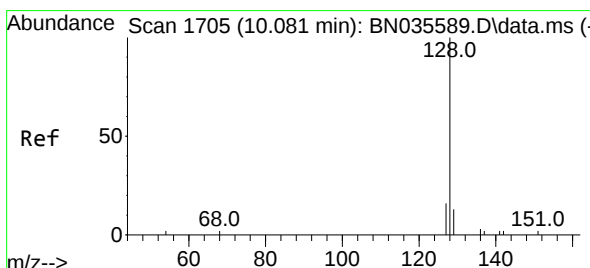
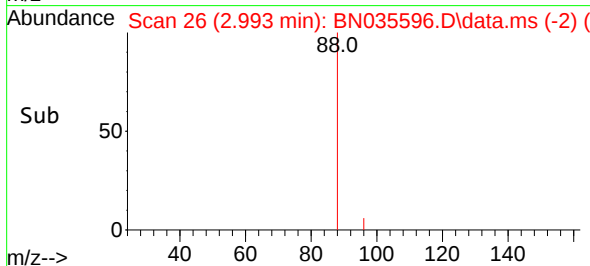
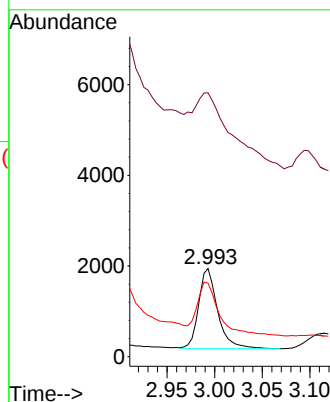
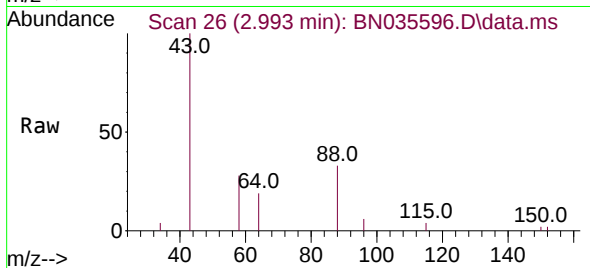
Ion	Ratio	Lower	Upper
88	100		
43	299.5	20.6	31.0
58	83.6	36.2	54.4

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Supervised By :mohammad ahmed 12/14/2024



#5

Naphthalene

Concen: 1.339 ng/ul

RT: 10.086 min Scan# 1706

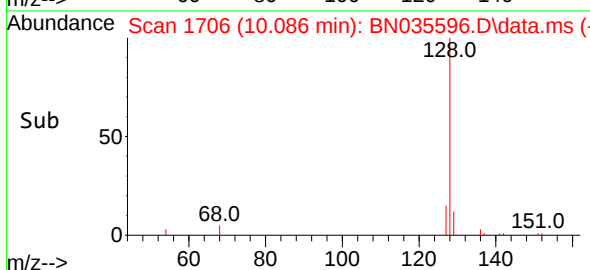
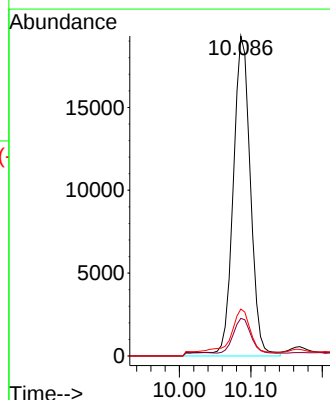
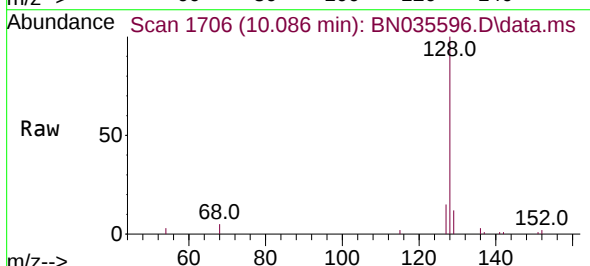
Delta R.T. 0.000 min

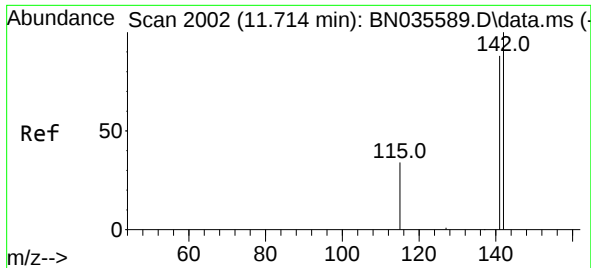
Lab File: BN035596.D

Acq: 13 Dec 2024 14:30

Tgt Ion:128 Resp: 31978

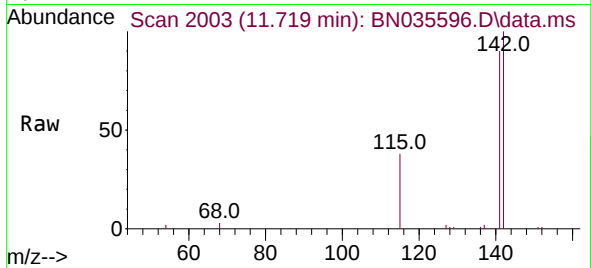
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.9	14.9
127	14.6	11.4	17.2





#7
2-Methylnaphthalene
Concen: 2.583 ng/ul
RT: 11.719 min Scan# 2003
Delta R.T. 0.006 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

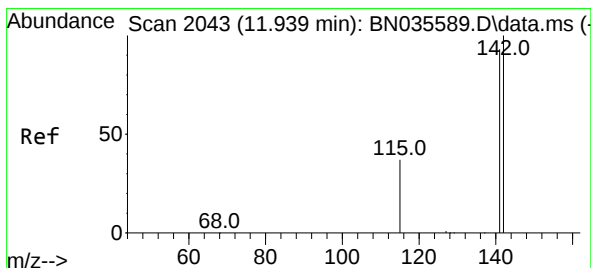
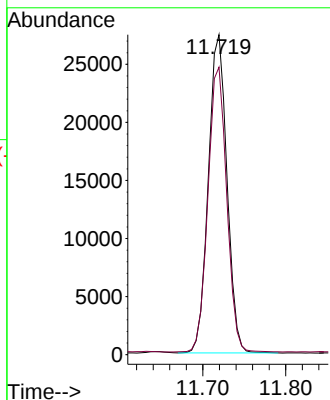
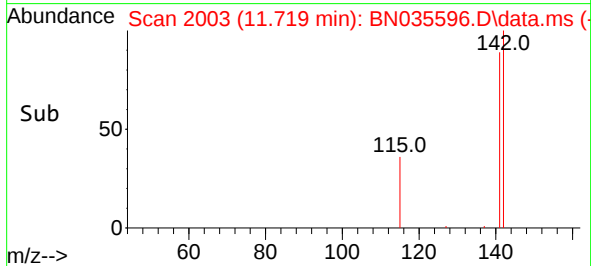
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



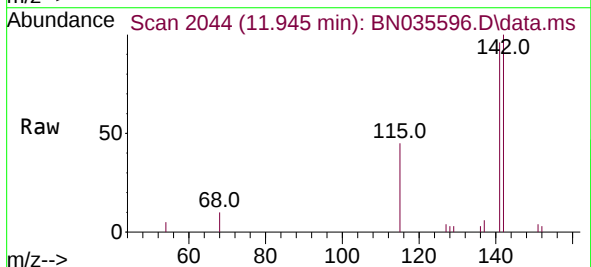
Tgt Ion:142 Resp: 42788
Ion Ratio Lower Upper
142 100
141 90.3 70.4 105.6

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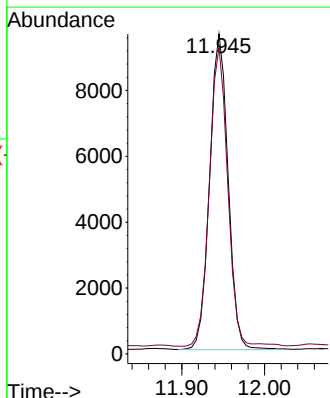
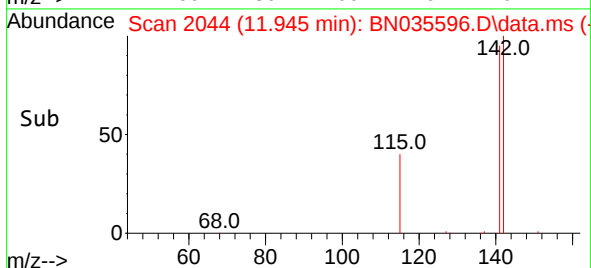
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

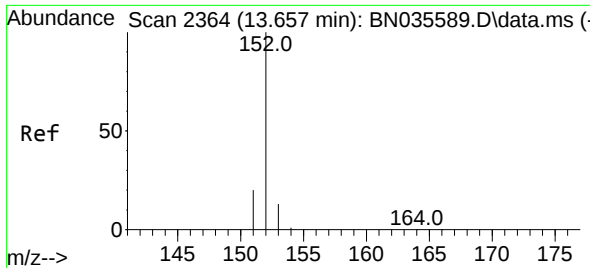


#8
1-Methylnaphthalene
Concen: 0.885 ng/ul
RT: 11.945 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30



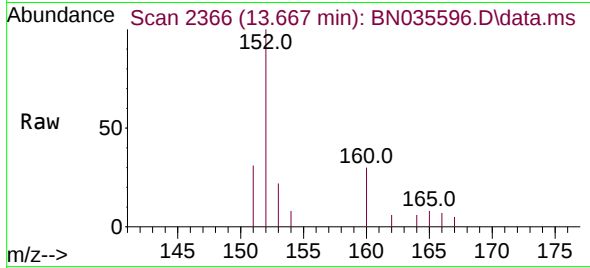
Tgt Ion:142 Resp: 14806
Ion Ratio Lower Upper
142 100
141 94.2 73.1 109.7





#10
Acenaphthylene
Concen: 0.607 ng/ul
RT: 13.667 min Scan# 21
Delta R.T. 0.005 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

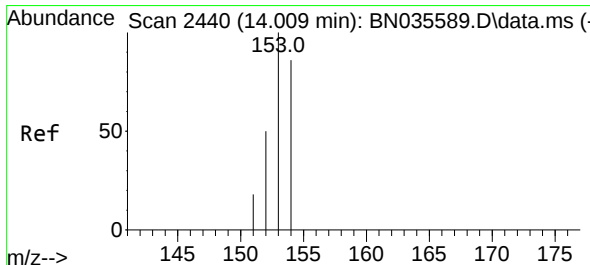
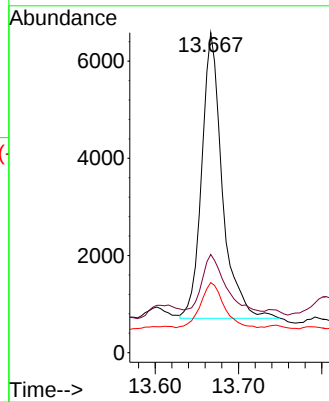
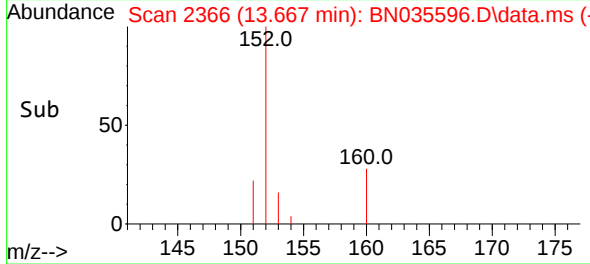
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



Tgt Ion:152 Resp: 10094
Ion Ratio Lower Upper
152 100
151 30.7 16.4 24.6
153 21.9 11.1 16.7

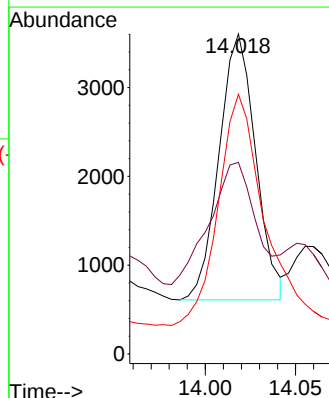
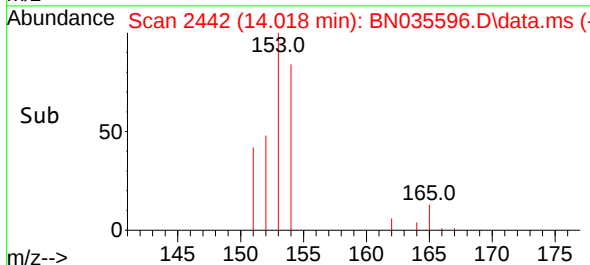
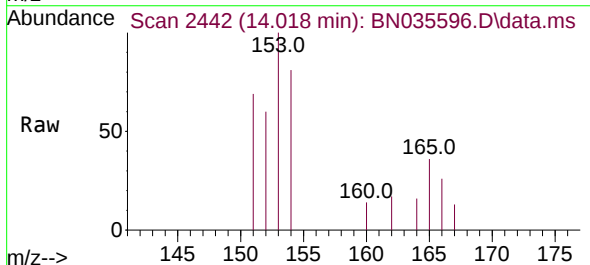
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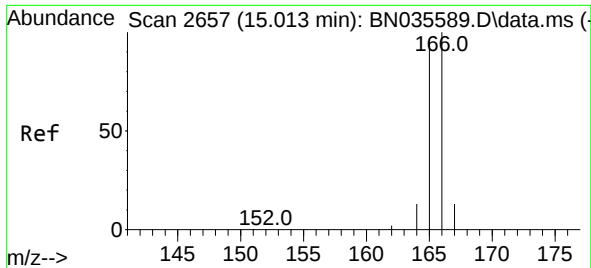
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#11
Acenaphthene
Concen: 0.331 ng/ul
RT: 14.018 min Scan# 2442
Delta R.T. 0.005 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

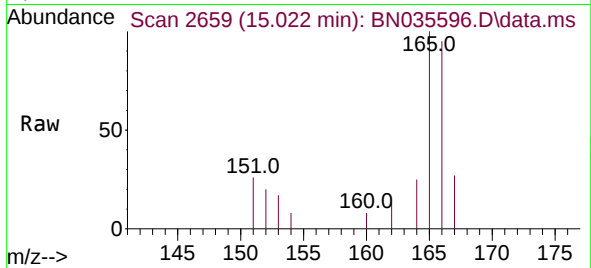
Tgt Ion:153 Resp: 4209
Ion Ratio Lower Upper
153 100
152 59.9 41.4 62.0
154 81.2 71.2 106.8





#12
Fluorene
Concen: 0.554 ng/ul
RT: 15.022 min Scan# 2059
Delta R.T. 0.005 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

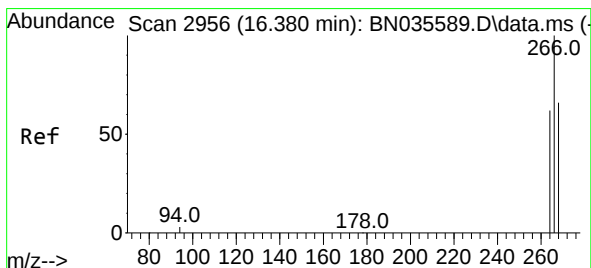
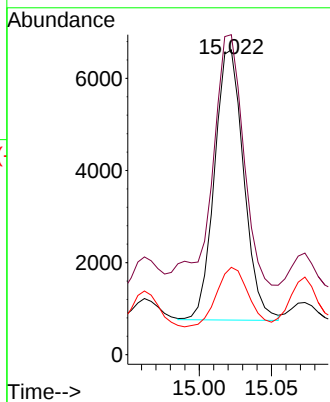
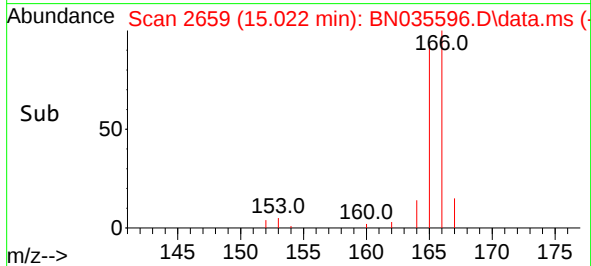
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



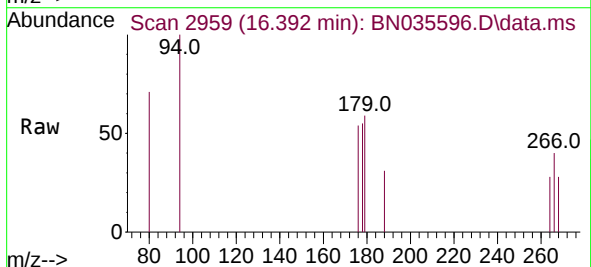
Tgt Ion:166 Resp: 8270
Ion Ratio Lower Upper
166 100
165 105.0 78.6 118.0
167 28.6 11.8 17.6

Manual Integrations
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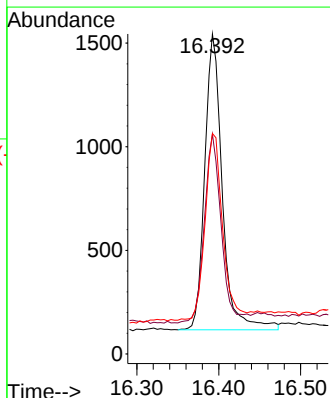
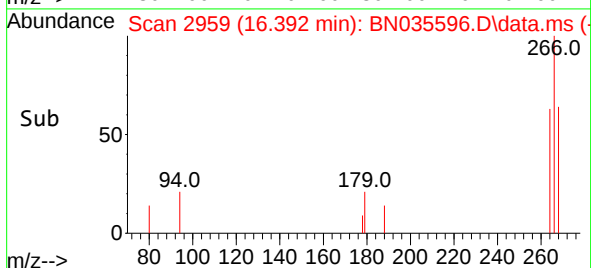
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

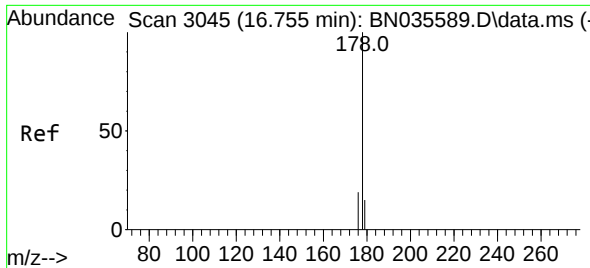


#14
Pentachlorophenol
Concen: 1.661 ng/ul
RT: 16.392 min Scan# 2959
Delta R.T. 0.013 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30



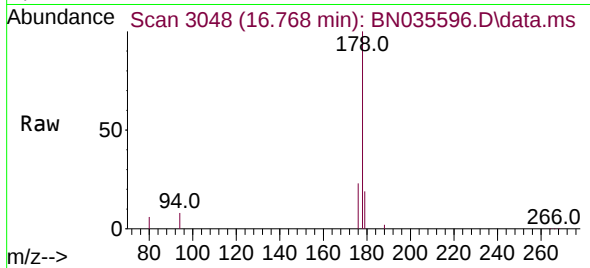
Tgt Ion:266 Resp: 2120
Ion Ratio Lower Upper
266 100
264 62.0 51.8 77.6
268 67.1 51.3 76.9





#15
Phenanthrene
Concen: 5.389 ng/ul
RT: 16.768 min Scan# 3045
Delta R.T. 0.009 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

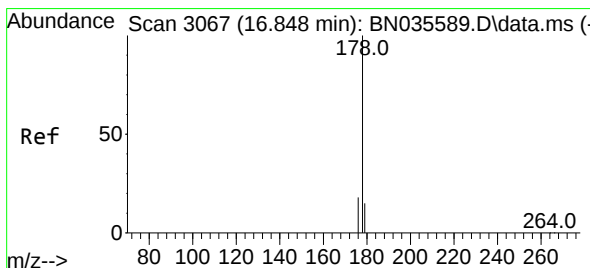
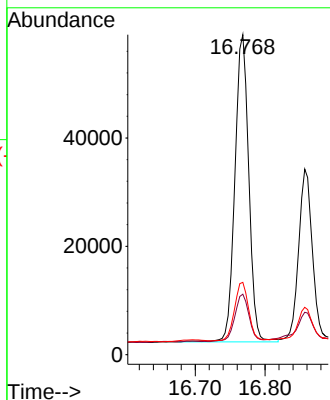
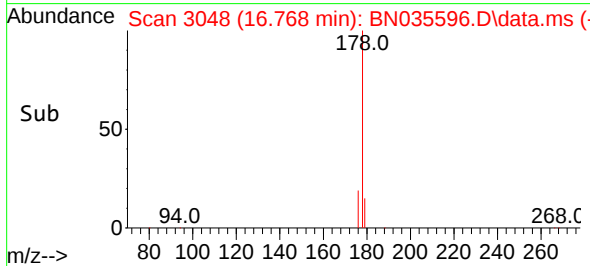
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



Tgt Ion:178 Resp: 7809
Ion Ratio Lower Upper
178 100
179 18.9 12.9 19.3
176 22.6 15.6 23.4

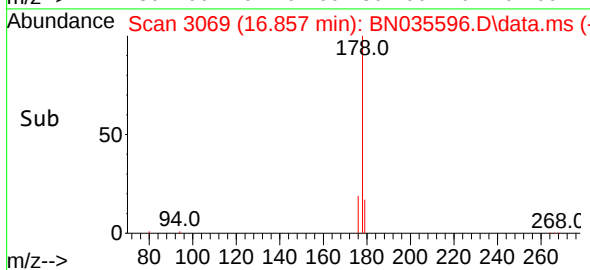
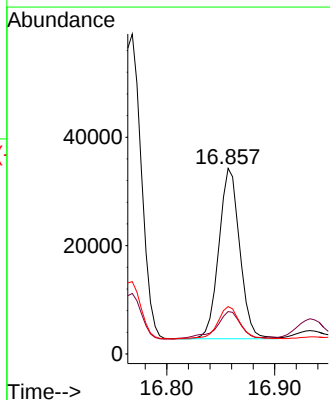
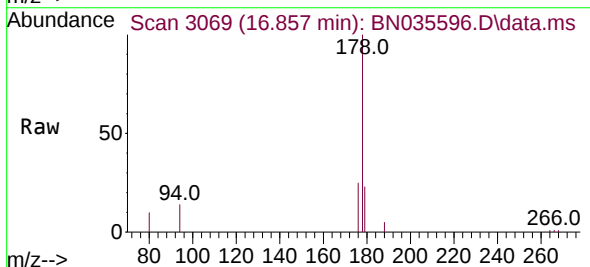
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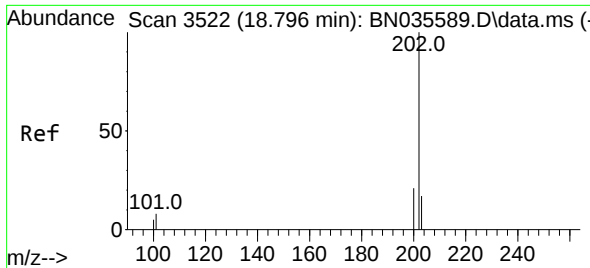
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#16
Anthracene
Concen: 3.155 ng/ul
RT: 16.857 min Scan# 3069
Delta R.T. 0.009 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

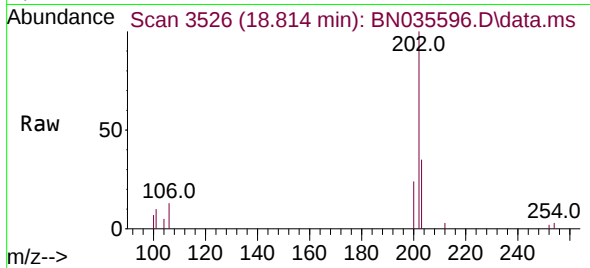
Tgt Ion:178 Resp: 42433
Ion Ratio Lower Upper
178 100
179 22.8 12.9 19.3#
176 25.5 15.4 23.2#





#19
Fluoranthene
Concen: 4.853 ng/u1
RT: 18.814 min Scan# 3526
Delta R.T. 0.014 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

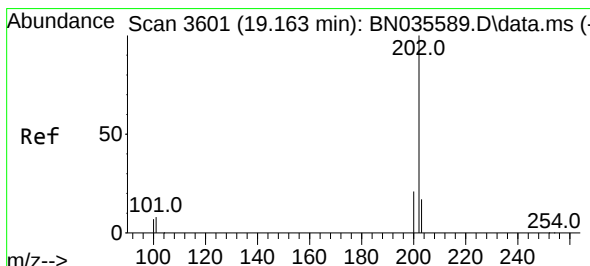
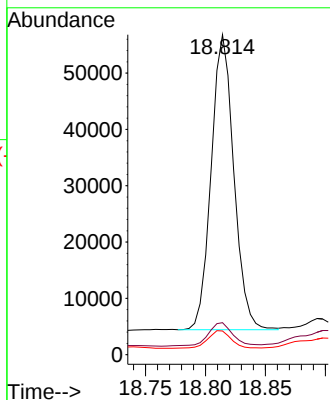
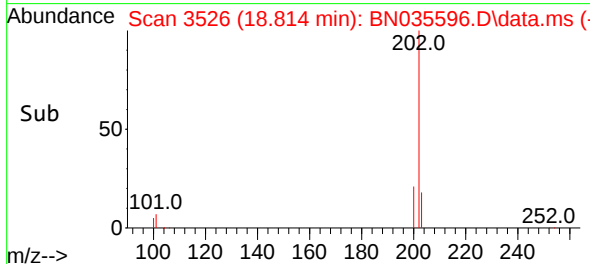
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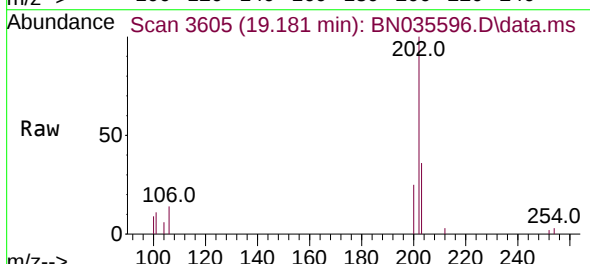
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Ion Ratio Lower Upper
202 100
101 10.0 5.8 8.6
100 7.4 4.5 6.7

Manual Integrations
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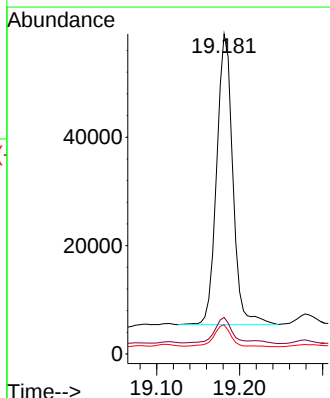
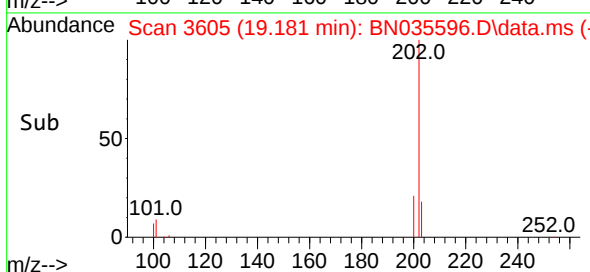
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

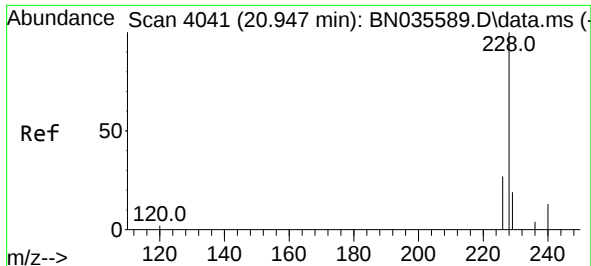


#20
Pyrene
Concen: 4.880 ng/u1
RT: 19.181 min Scan# 3605
Delta R.T. 0.014 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30



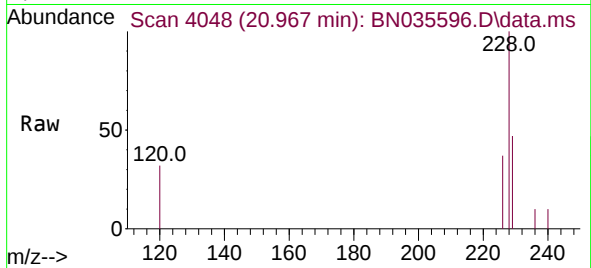
Tgt Ion:202 Resp: 72163
Ion Ratio Lower Upper
202 100
101 11.4 6.2 9.4#
100 9.1 5.1 7.7#





#21
Benzo(a)anthracene
Concen: 2.965 ng/ul
RT: 20.967 min Scan# 4048
Delta R.T. 0.021 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

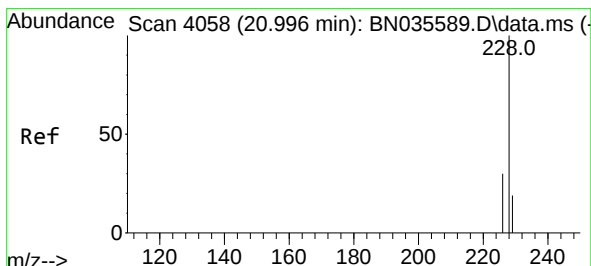
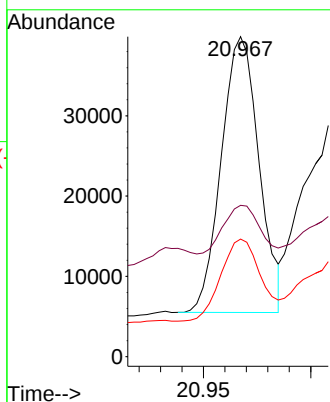
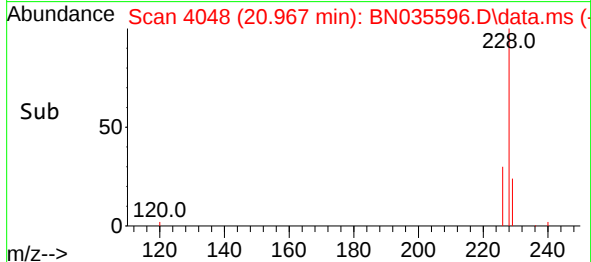
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



Tgt Ion:228 Resp: 41985
Ion Ratio Lower Upper
228 100
229 47.3 15.8 23.8
226 36.7 21.8 32.8

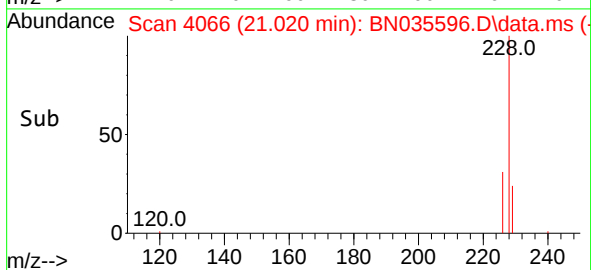
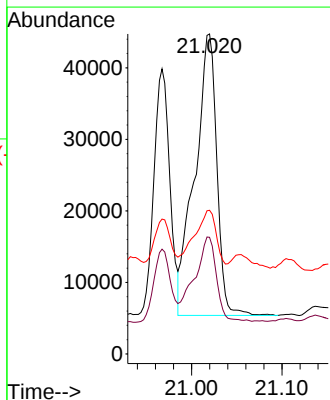
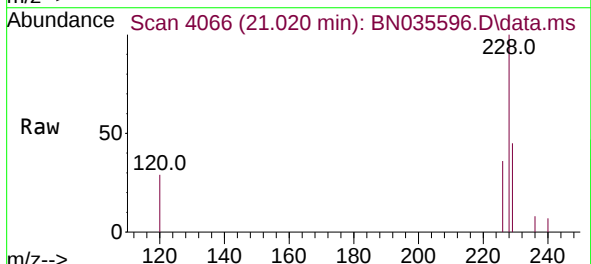
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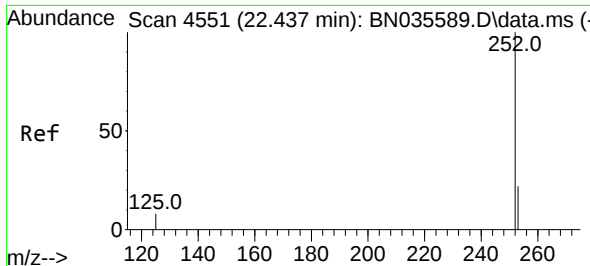
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



#22
Chrysene
Concen: 4.665 ng/ul
RT: 21.020 min Scan# 4066
Delta R.T. 0.024 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

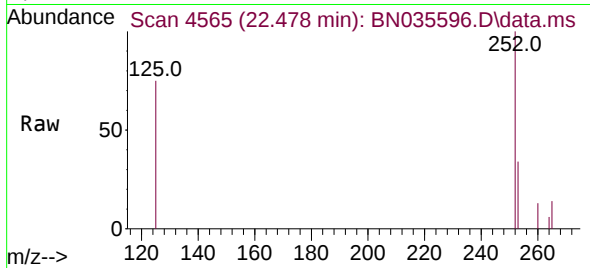
Tgt Ion:228 Resp: 66473
Ion Ratio Lower Upper
228 100
226 36.5 24.7 37.1
229 44.9 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 4.850 ng/ul m
RT: 22.478 min Scan# 4565
Delta R.T. 0.038 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

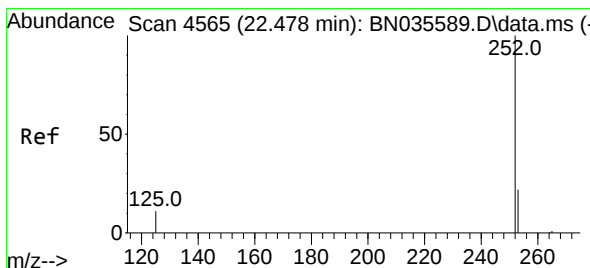
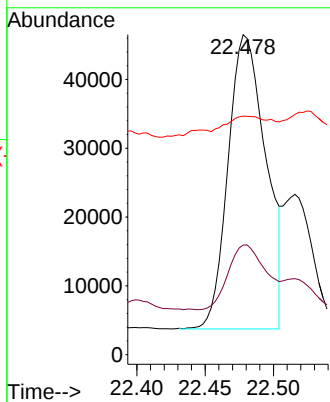
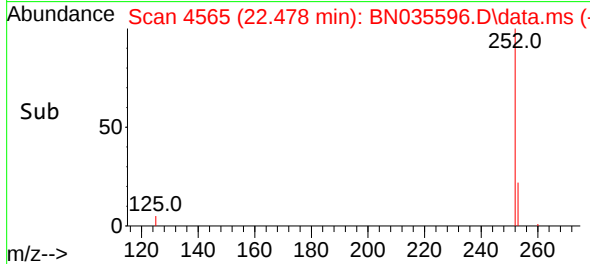
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



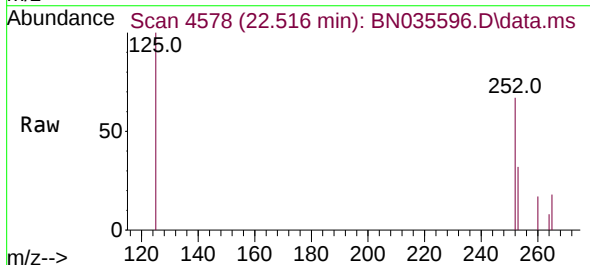
Tgt Ion:252 Resp: 82150
Ion Ratio Lower Upper
252 100
253 34.3 0.0 54.0
125 74.6 0.0 19.4

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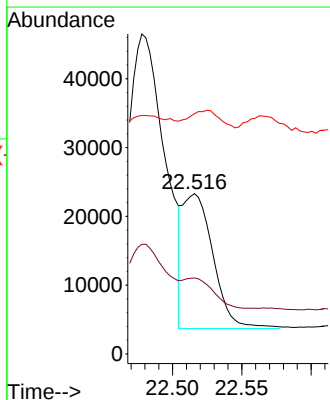
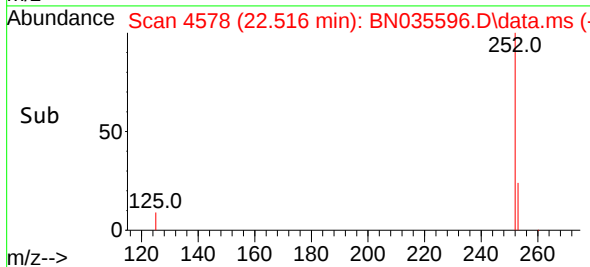
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

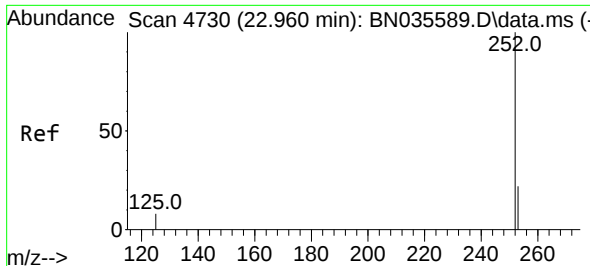


#25
Benzo(k)fluoranthene
Concen: 1.727 ng/ul m
RT: 22.516 min Scan# 4578
Delta R.T. 0.035 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30



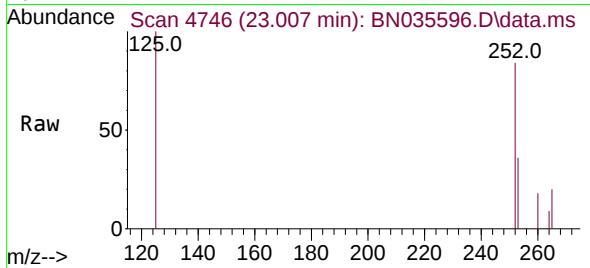
Tgt Ion:252 Resp: 30152
Ion Ratio Lower Upper
252 100
253 47.4 21.8 32.6#
125 150.0 8.6 12.8#





#26
Benzo(a)pyrene
Concen: 2.626 ng/ul
RT: 23.007 min Scan# 41
Delta R.T. 0.047 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30

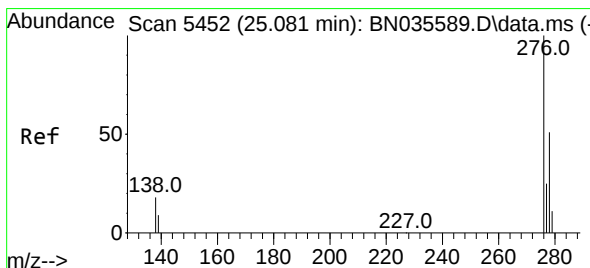
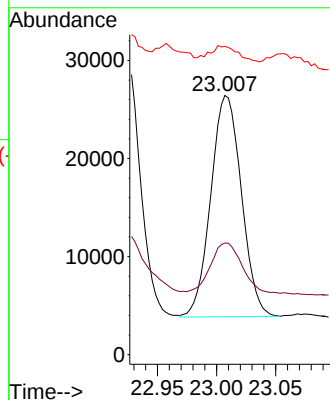
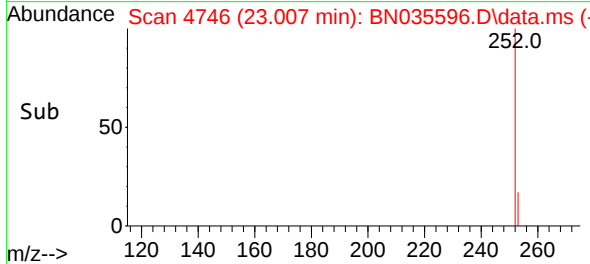
Instrument :
BNA_N
ClientSampleId :
E28Q4MSD



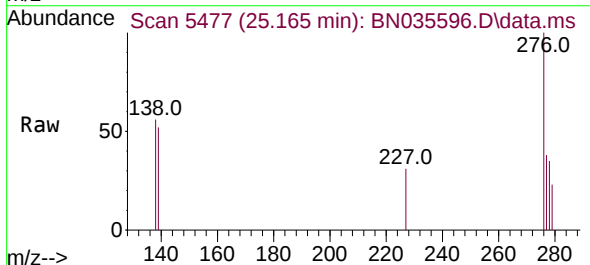
Tgt Ion:252 Resp: 4064
Ion Ratio Lower Upper
252 100
253 43.1 22.9 34.3#
125 118.9 9.4 14.2#

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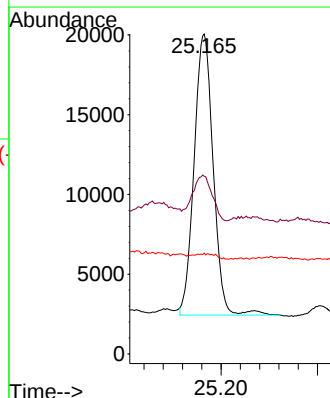
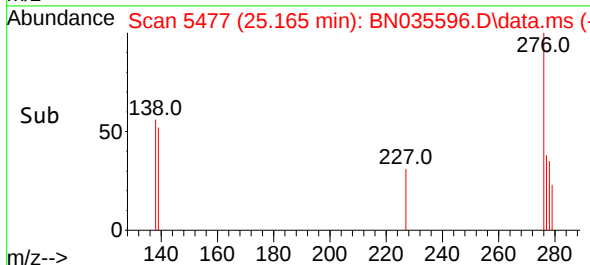
Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024

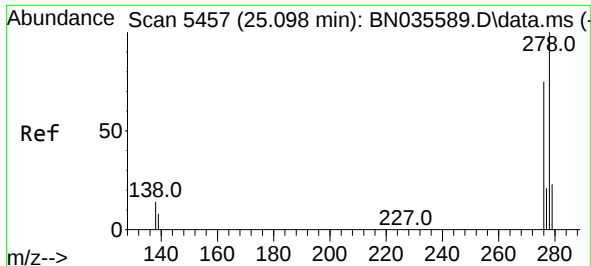


#27
Indeno(1,2,3-cd)pyrene
Concen: 2.311 ng/ul
RT: 25.165 min Scan# 5477
Delta R.T. 0.084 min
Lab File: BN035596.D
Acq: 13 Dec 2024 14:30



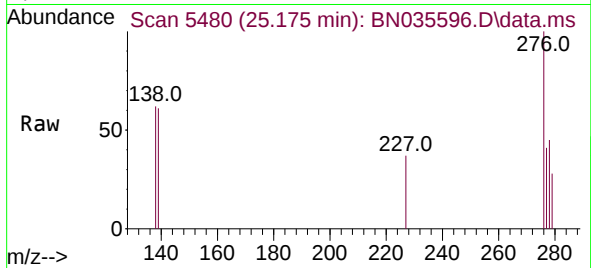
Tgt Ion:276 Resp: 48319
Ion Ratio Lower Upper
276 100
138 361.3 13.8 20.8#
227 0.0 0.2 0.4#





#28
 Dibenzo(a,h)anthracene
 Concen: 1.008 ng/ul m
 RT: 25.175 min Scan# 5457
 Delta R.T. 0.074 min
 Lab File: BN035596.D
 Acq: 13 Dec 2024 14:30

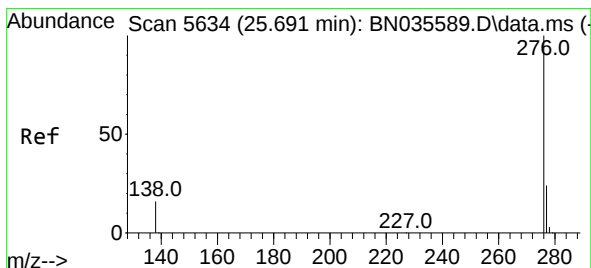
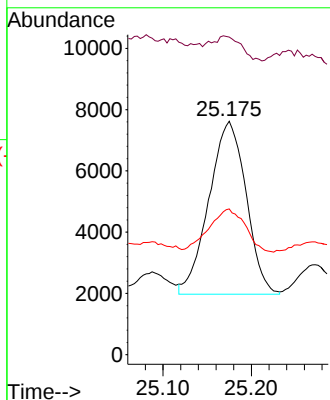
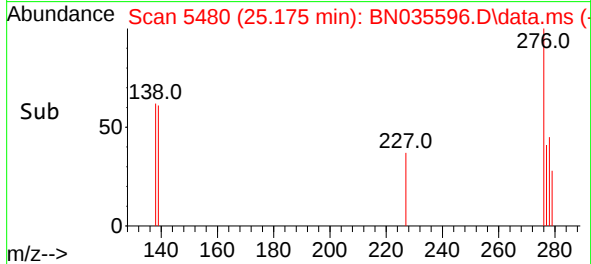
Instrument :
 BNA_N
 ClientSampleId :
 E28Q4MSD



Tgt Ion:278 Resp: 1652
 Ion Ratio Lower Upper
 278 100
 139 136.1 10.7 16.1#
 279 62.4 22.8 34.2#

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Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024



#29
 Benzo(g,h,i)perylene
 Concen: 3.619 ng/ul
 RT: 25.789 min Scan# 5663
 Delta R.T. 0.097 min
 Lab File: BN035596.D
 Acq: 13 Dec 2024 14:30

Tgt Ion:276 Resp: 59650
 Ion Ratio Lower Upper
 276 100
 138 47.5 13.0 19.6#
 277 35.1 20.5 30.7#

