

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032023\
 Data File : BN024431.D
 Acq On : 21 Mar 2023 03:35
 Operator : CG/JU
 Sample : 01996-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 H0A24MSD

Quant Time: Mar 21 04:16:19 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 21 02:42:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/21/2023
 Supervised By : Jagrut Upadhyay 03/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.034	152	11089	0.400	ng/u1	0.00
4) Naphthalene-d8	10.850	136	34088	0.400	ng/u1	0.00
9) Acenaphthene-d10	14.671	164	18586	0.400	ng/u1	0.00
13) Phenanthrene-d10	17.413	188	37929	0.400	ng/u1	0.00
17) Chrysene-d12	21.600	240	28222	0.400	ng/u1	0.00
23) Perylene-d12	24.106	264	22361	0.400	ng/u1	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.393	96	4010m	0.329	ng/u1	0.00
6) 2-Methylnaphthalene-d10	12.429	152	16625	0.410	ng/u1	0.00
18) Fluoranthene-d10	19.436	212	35706	0.475	ng/u1	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.431	88	140449	10.581	ng/u1	88
5) Naphthalene	10.900	128	33541	0.394	ng/u1	100
7) 2-Methylnaphthalene	12.500	142	20917	0.405	ng/u1	100
8) 1-Methylnaphthalene	12.720	142	22173	0.409	ng/u1	100
10) Acenaphthylene	14.388	152	31790	0.410	ng/u1	99
11) Acenaphthene	14.731	153	23660	0.396	ng/u1	99
12) Fluorene	15.716	166	26930	0.404	ng/u1	100
14) Pentachlorophenol	17.059	266	7944	0.754	ng/u1#	73
15) Phenanthrene	17.456	178	44741	0.412	ng/u1	99
16) Anthracene	17.544	178	42639	0.447	ng/u1	100
19) Fluoranthene	19.464	202	50082	0.446	ng/u1	99
20) Pyrene	19.827	202	51306	0.450	ng/u1	99
21) Benzo(a)anthracene	21.583	228	39451	0.428	ng/u1	99
22) Chrysene	21.641	228	40291	0.414	ng/u1	99
24) Benzo(b)fluoranthene	23.337	252	36934	0.433	ng/u1	96
25) Benzo(k)fluoranthene	23.386	252	36654	0.414	ng/u1	96
26) Benzo(a)pyrene	23.986	252	29812	0.406	ng/u1	92
27) Indeno(1,2,3-cd)pyrene	26.723	276	33276	0.402	ng/u1#	100
28) Dibenzo(a,h)anthracene	26.743	278	25318	0.402	ng/u1	98
29) Benzo(g,h,i)perylene	27.525	276	28711	0.400	ng/u1	98

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

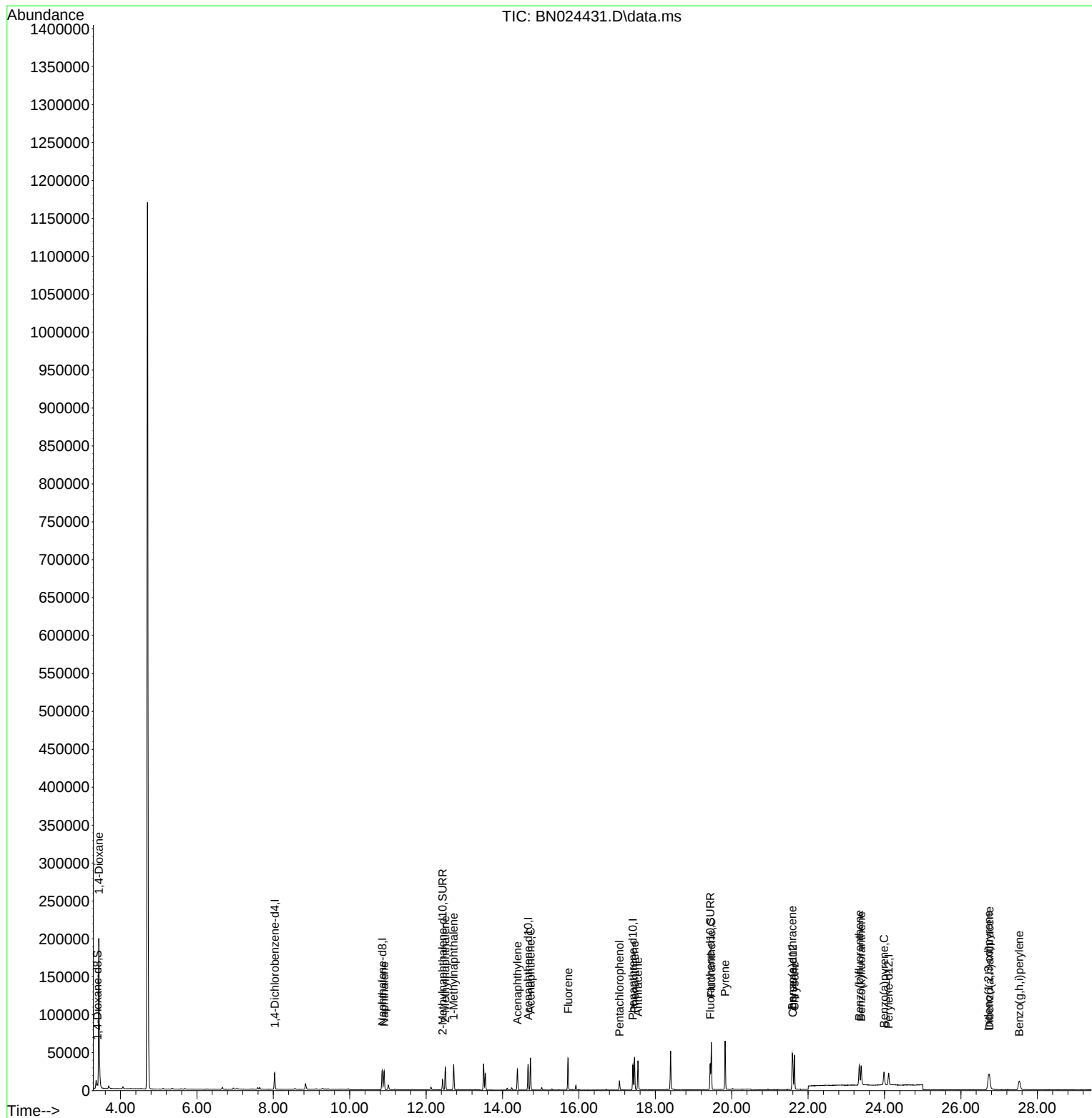
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032023\
Data File : BN024431.D
Acq On : 21 Mar 2023 03:35
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Sample : 01996-03MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

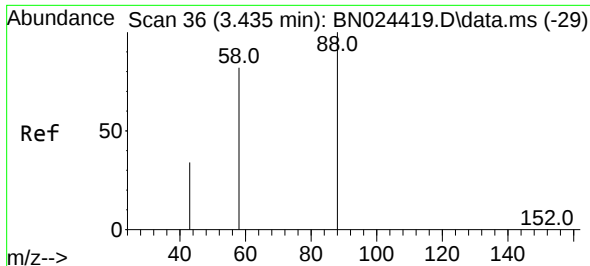
Instrument :
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H0A24MSD

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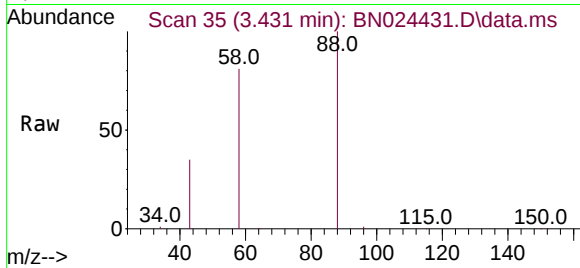
Quant Time: Mar 21 04:16:19 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN030923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 21 02:42:36 2023
Response via : Initial Calibration





#2
1,4-Dioxane
Concen: 10.581 ng/ul
RT: 3.431 min Scan# 35
Delta R.T. -0.004 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

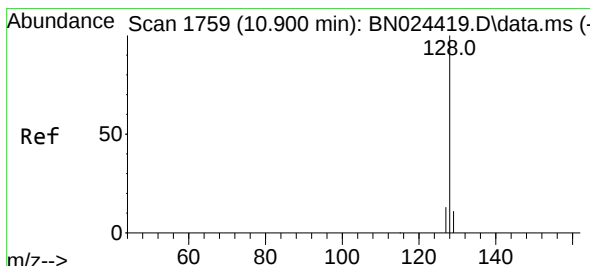
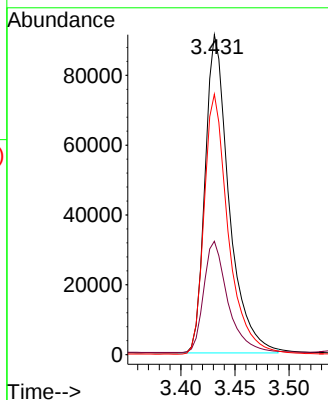
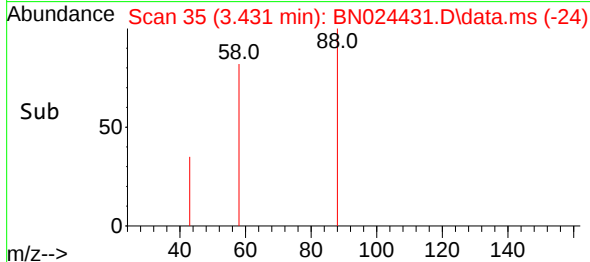
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



Tgt Ion: 88 Resp: 140449
Ion Ratio Lower Upper
88 100
43 35.4 32.1 48.1
58 81.4 55.1 82.7

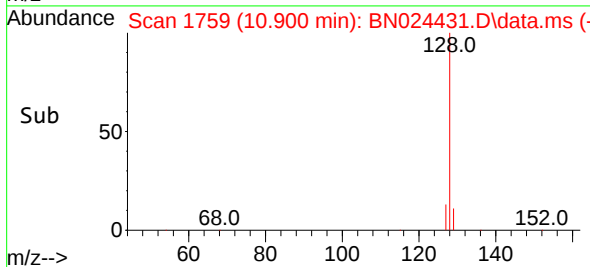
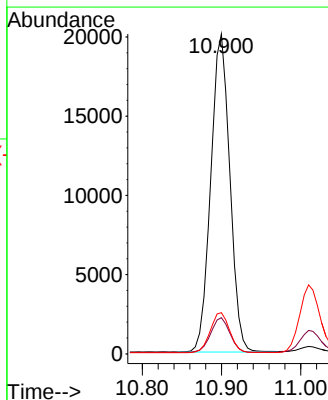
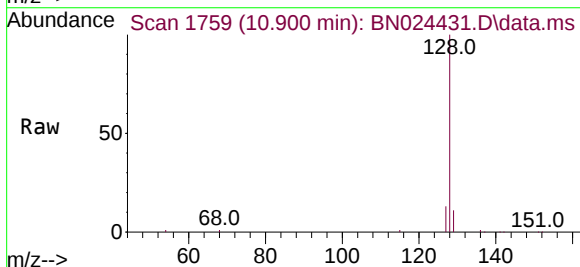
Manual Integrations
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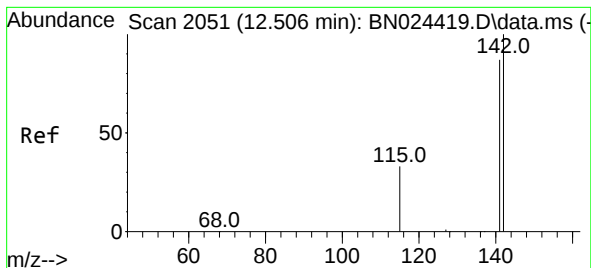
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#5
Naphthalene
Concen: 0.394 ng/ul
RT: 10.900 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

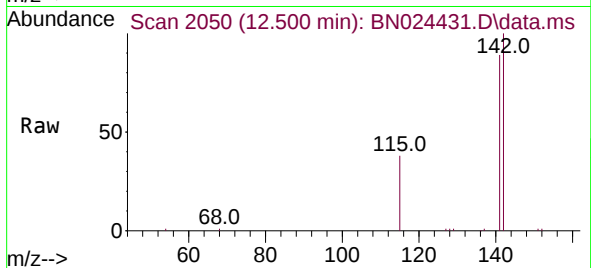
Tgt Ion:128 Resp: 33541
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 12.9 10.5 15.7





#7
2-Methylnaphthalene
Concen: 0.405 ng/ul
RT: 12.500 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

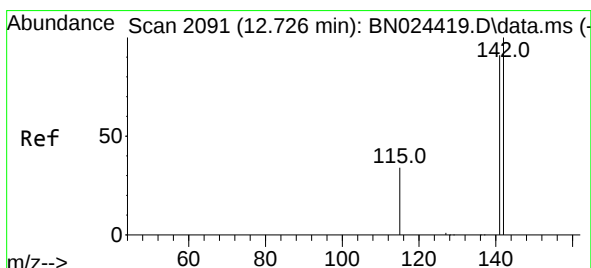
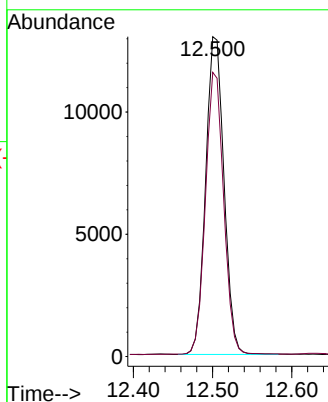
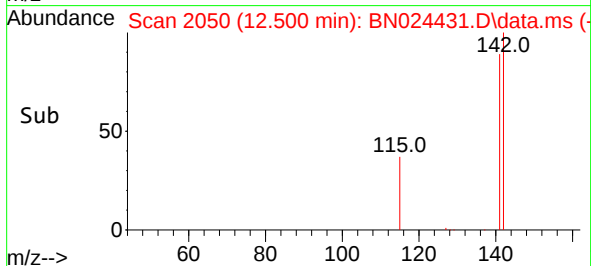
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



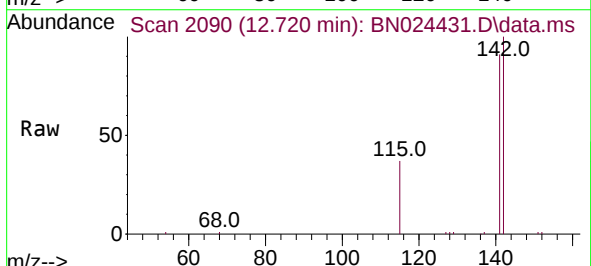
Tgt Ion:142 Resp: 20917
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5

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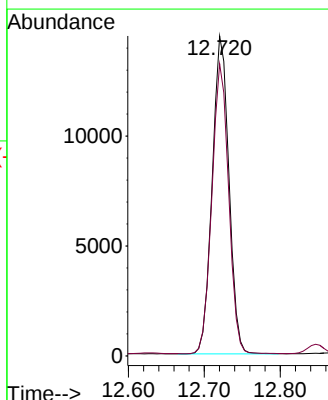
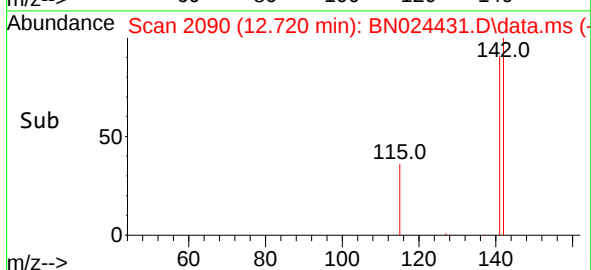
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

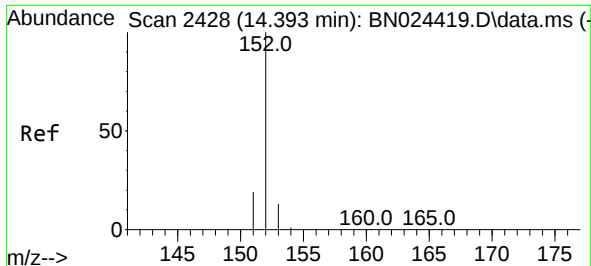


#8
1-Methylnaphthalene
Concen: 0.409 ng/ul
RT: 12.720 min Scan# 2090
Delta R.T. -0.005 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35



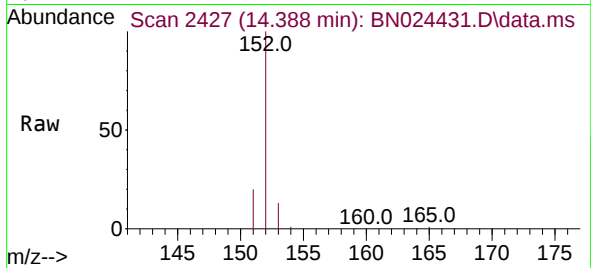
Tgt Ion:142 Resp: 22173
Ion Ratio Lower Upper
142 100
141 91.2 73.0 109.6





#10
Acenaphthylene
Concen: 0.410 ng/ul
RT: 14.388 min Scan# 2427
Delta R.T. -0.005 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

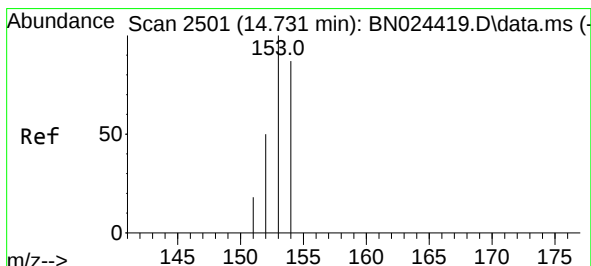
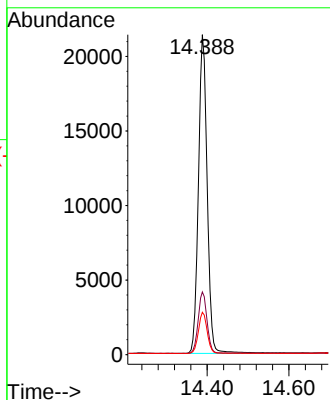
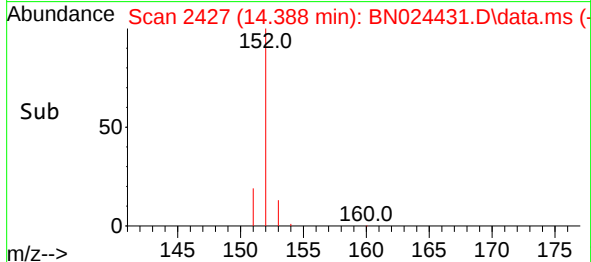
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



Tgt Ion:152 Resp: 31790
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.2 10.6 16.0

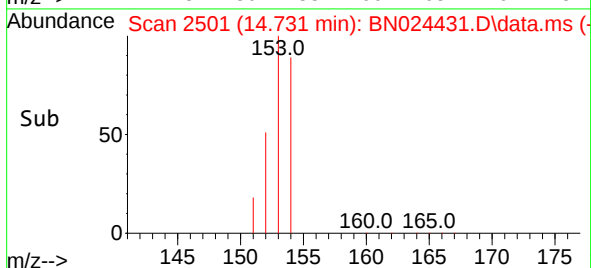
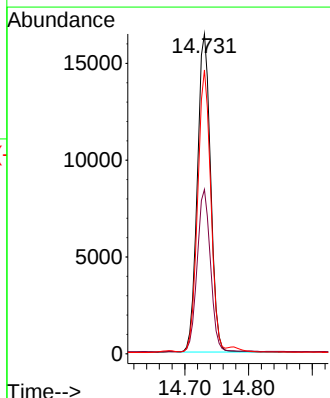
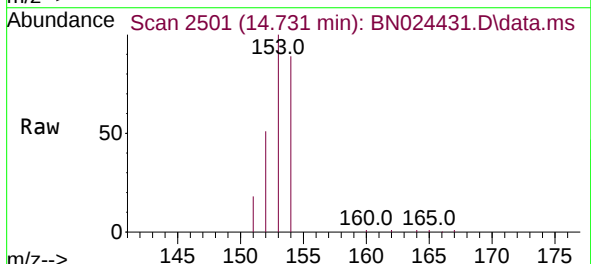
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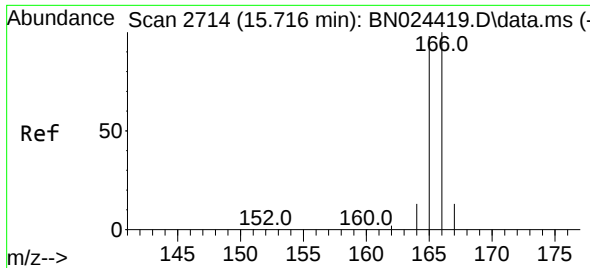
Reviewed By :Christian Giraldo 03/21/2023
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#11
Acenaphthene
Concen: 0.396 ng/ul
RT: 14.731 min Scan# 2501
Delta R.T. 0.000 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

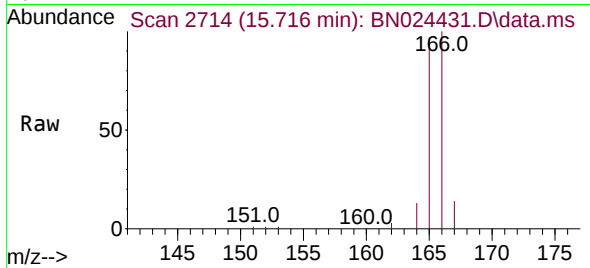
Tgt Ion:153 Resp: 23660
Ion Ratio Lower Upper
153 100
152 51.4 42.6 64.0
154 88.7 70.6 105.8





#12
Fluorene
Concen: 0.404 ng/ul
RT: 15.716 min Scan# 2714
Delta R.T. 0.000 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

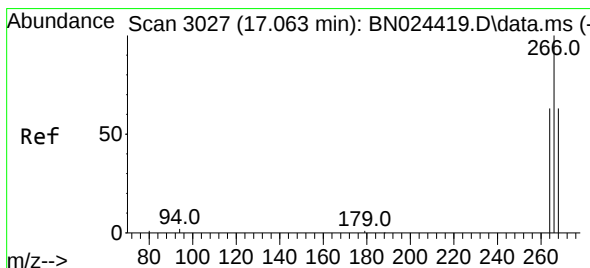
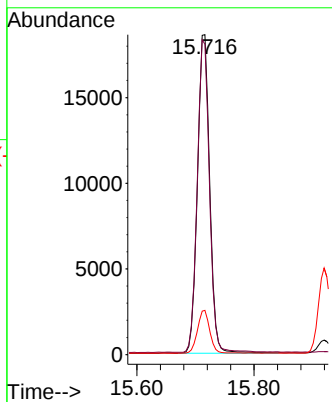
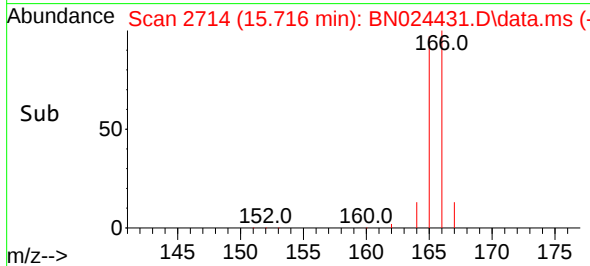
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



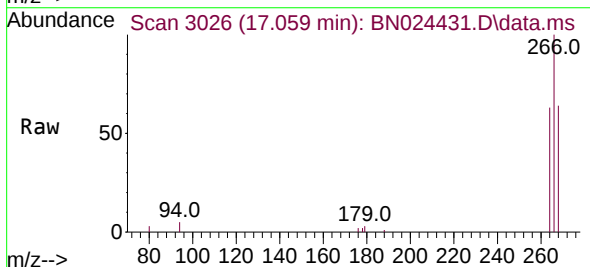
Tgt Ion:166 Resp: 26930
Ion Ratio Lower Upper
166 100
165 97.0 77.4 116.0
167 13.8 10.9 16.3

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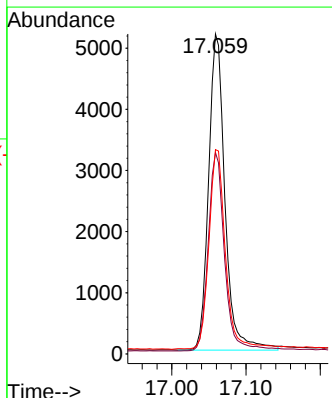
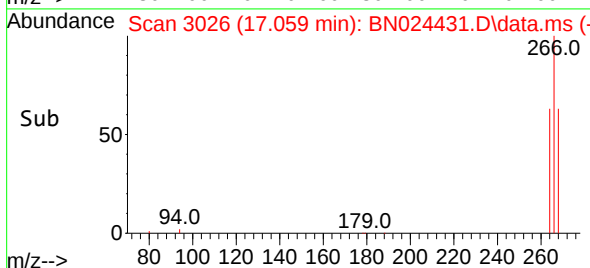
Reviewed By :Christian Giraldo 03/21/2023
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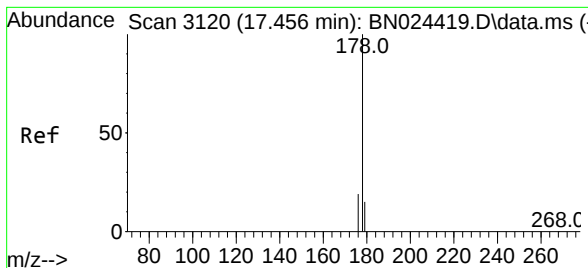


#14
Pentachlorophenol
Concen: 0.754 ng/ul
RT: 17.059 min Scan# 3026
Delta R.T. -0.004 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35



Tgt Ion:266 Resp: 7944
Ion Ratio Lower Upper
266 100
264 62.9 0.0 0.0#
268 63.4 0.1 0.1#





#15

Phenanthrene

Concen: 0.412 ng/ul

RT: 17.456 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BN024431.D

Acq: 21 Mar 2023 03:35

Instrument :

BNA_N

ClientSampleId :

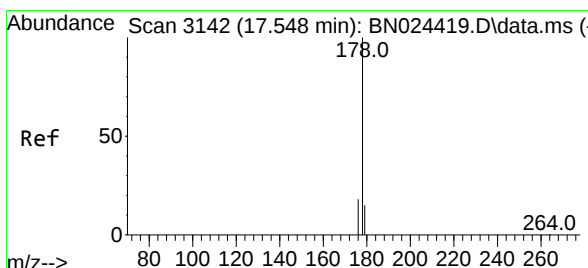
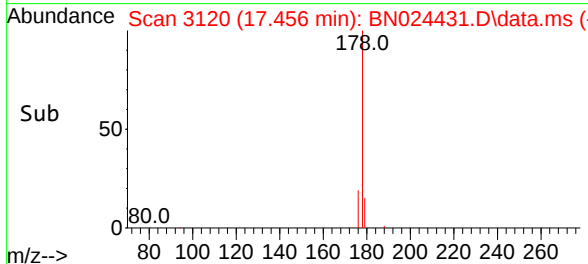
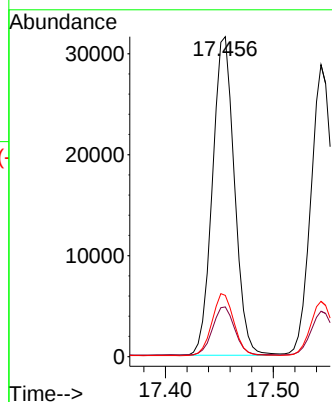
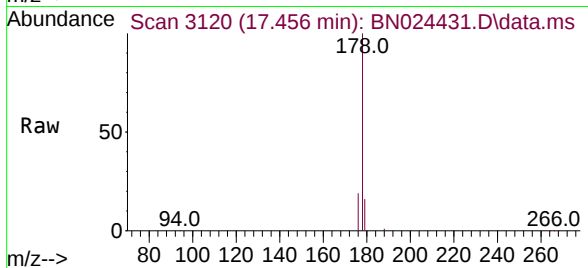
H0A24MSD

Tgt Ion:178	Resp:	4474
Ion Ratio	Lower	Upper
178	100	
179	15.5	12.2 18.2
176	19.1	15.7 23.5

Manual Integrations

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#16

Anthracene

Concen: 0.447 ng/ul

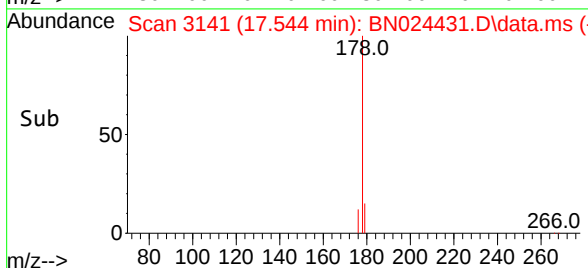
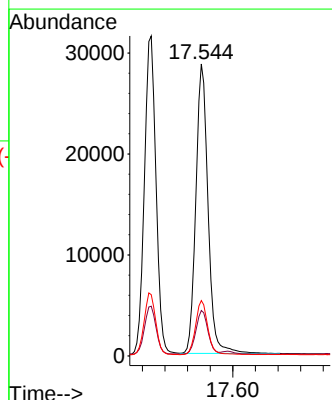
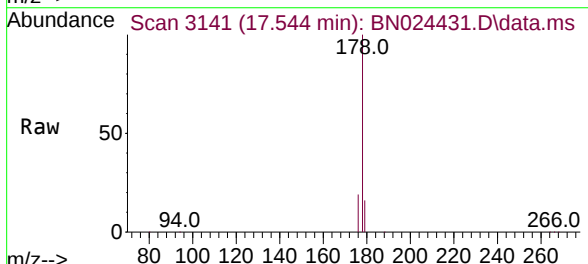
RT: 17.544 min Scan# 3141

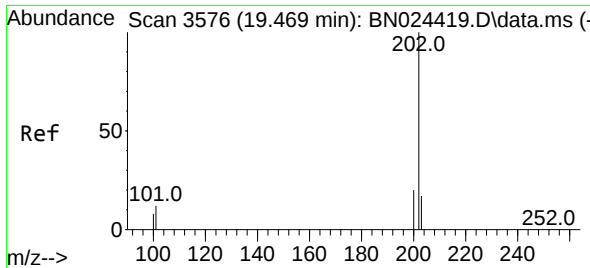
Delta R.T. -0.004 min

Lab File: BN024431.D

Acq: 21 Mar 2023 03:35

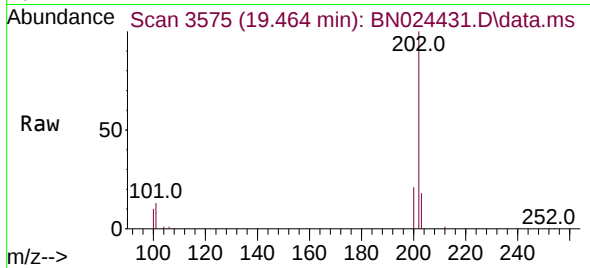
Tgt Ion:178	Resp:	42639
Ion Ratio	Lower	Upper
178	100	
179	15.6	12.3 18.5
176	18.9	15.3 22.9





#19
Fluoranthene
Concen: 0.446 ng/ul
RT: 19.464 min Scan# 3575
Delta R.T. -0.005 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

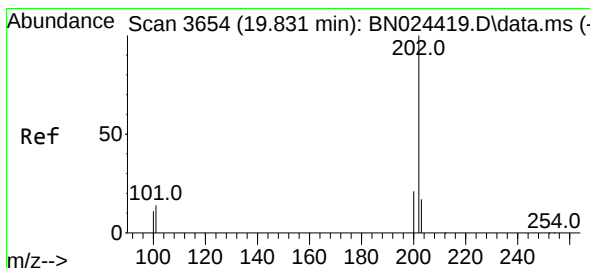
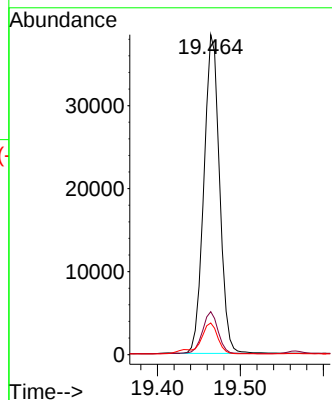
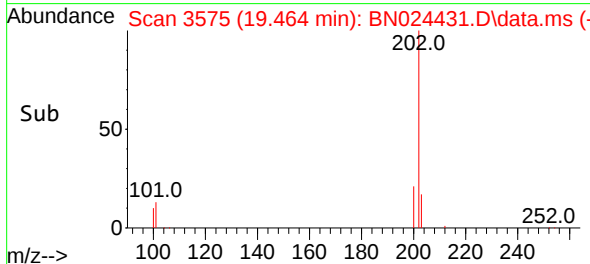
Instrument :
BNA_N
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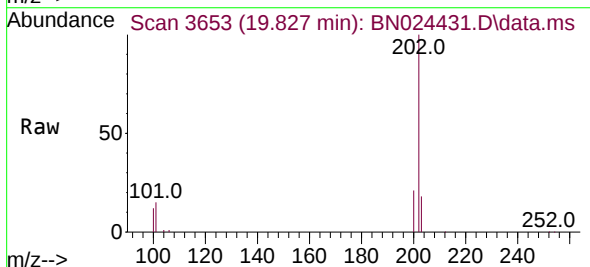
Tgt Ion:202 Resp: 50082
Ion Ratio Lower Upper
202 100
101 13.4 10.4 15.6
100 9.9 7.7 11.5

Manual Integrations
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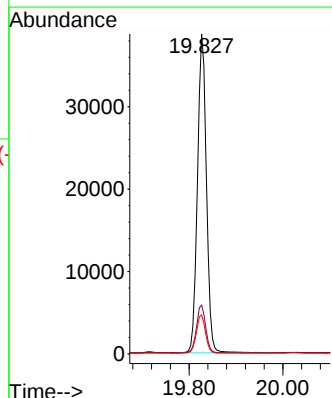
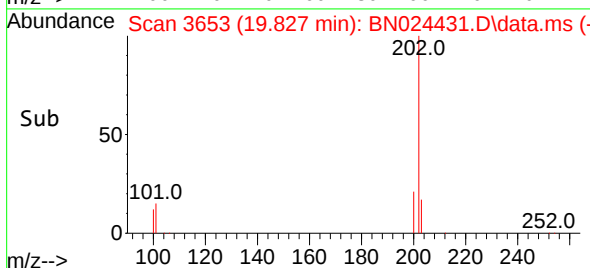
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

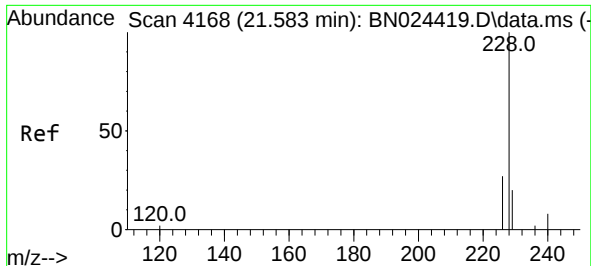


#20
Pyrene
Concen: 0.450 ng/ul
RT: 19.827 min Scan# 3653
Delta R.T. -0.005 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35



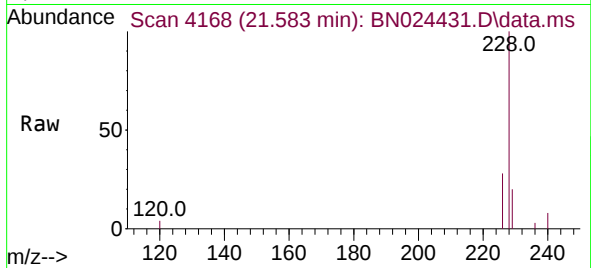
Tgt Ion:202 Resp: 51306
Ion Ratio Lower Upper
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101 15.2 12.1 18.1
100 12.2 9.4 14.0





#21
Benzo(a)anthracene
Concen: 0.428 ng/ul
RT: 21.583 min Scan# 4168
Delta R.T. 0.000 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

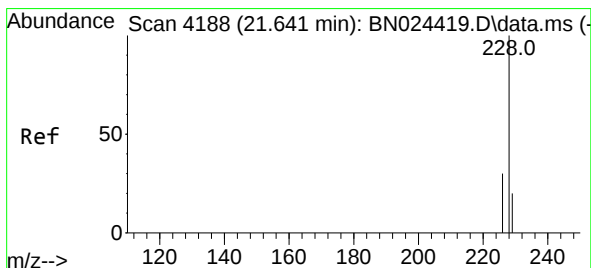
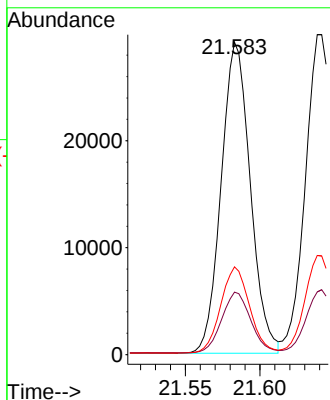
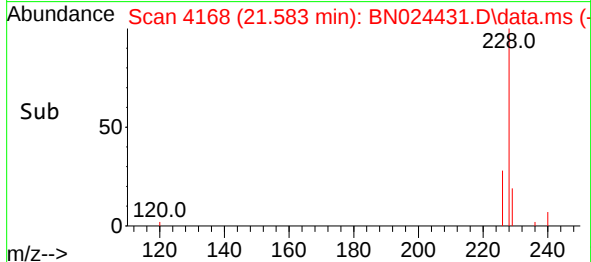
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



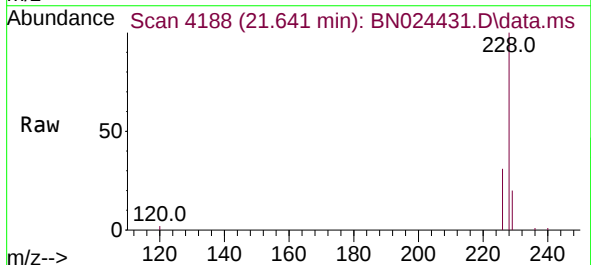
Tgt Ion:228 Resp: 3945
Ion Ratio Lower Upper
228 100
229 20.0 15.8 23.6
226 28.1 22.2 33.4

Manual Integrations
APPROVED

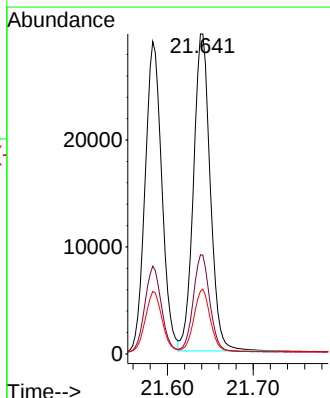
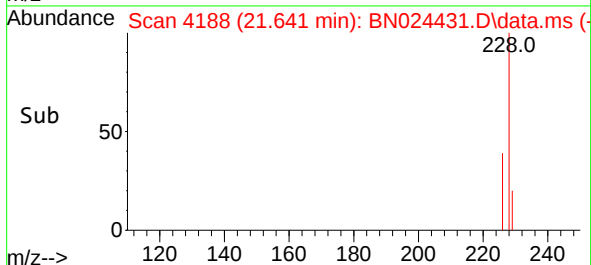
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

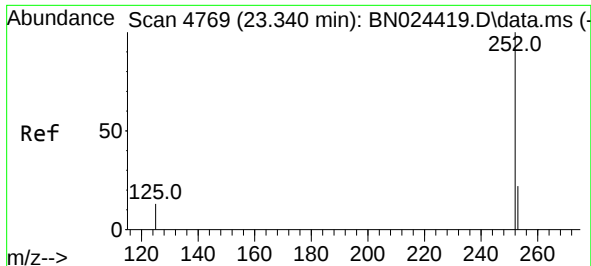


#22
Chrysene
Concen: 0.414 ng/ul
RT: 21.641 min Scan# 4188
Delta R.T. 0.000 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35



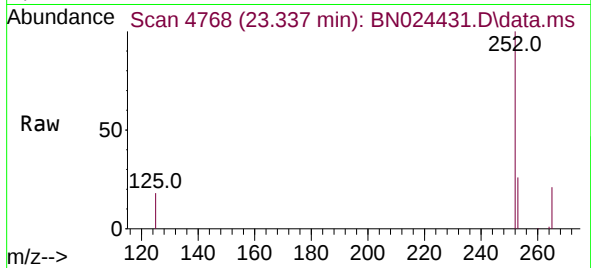
Tgt Ion:228 Resp: 40291
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 20.3 15.8 23.6





#24
Benzo(b)fluoranthene
Concen: 0.433 ng/ul
RT: 23.337 min Scan# 4768
Delta R.T. -0.003 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

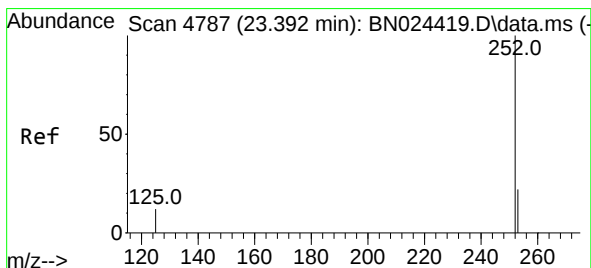
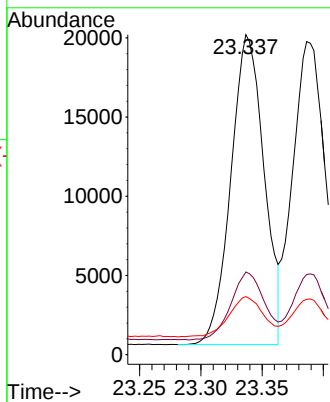
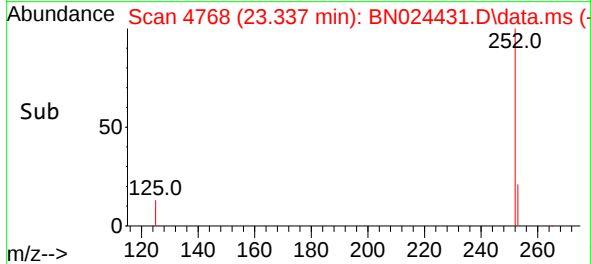
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



Tgt Ion:252 Resp: 36934
Ion Ratio Lower Upper
252 100
253 25.8 0.0 46.2
125 18.1 0.0 34.0

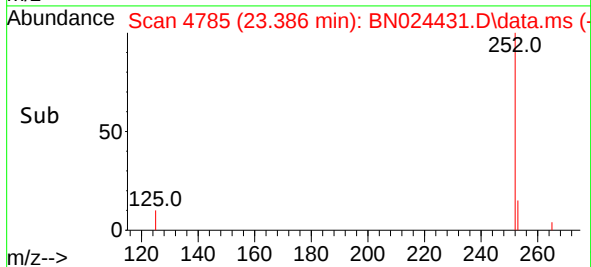
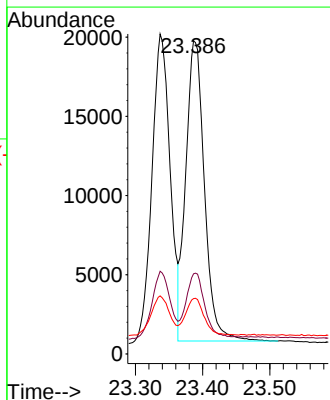
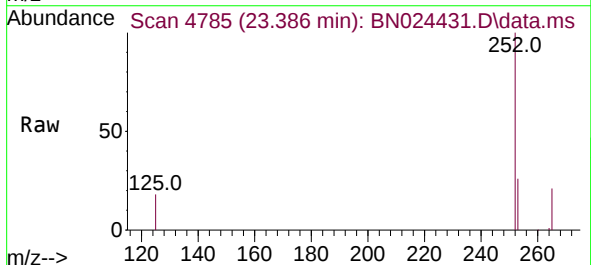
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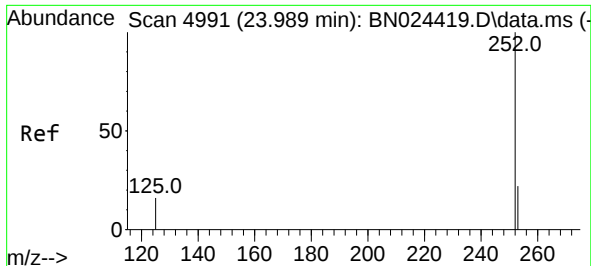
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#25
Benzo(k)fluoranthene
Concen: 0.414 ng/ul
RT: 23.386 min Scan# 4785
Delta R.T. -0.006 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

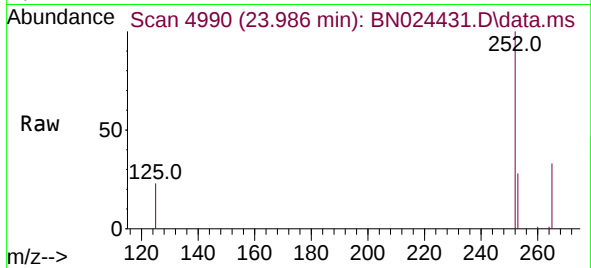
Tgt Ion:252 Resp: 36654
Ion Ratio Lower Upper
252 100
253 25.6 18.5 27.7
125 17.6 13.2 19.8





#26
Benzo(a)pyrene
Concen: 0.406 ng/ul
RT: 23.986 min Scan# 4990
Delta R.T. -0.003 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

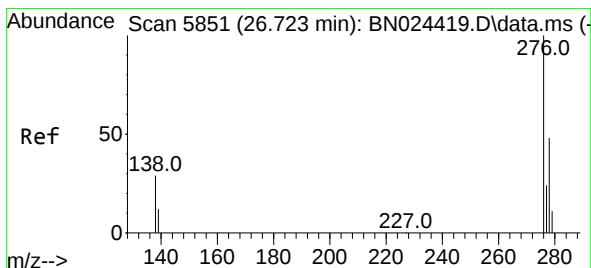
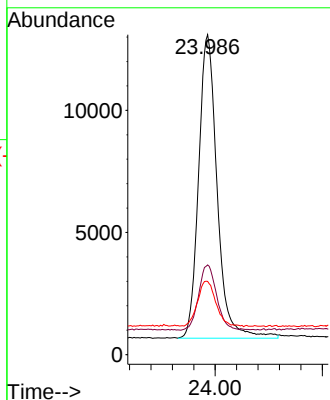
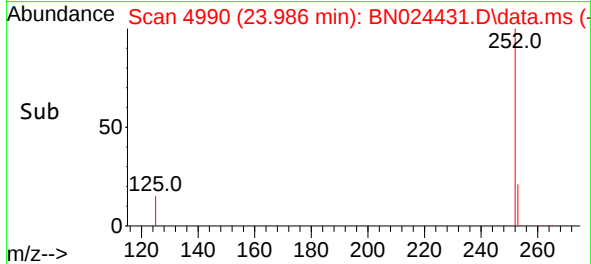
Instrument :
BNA_N
ClientSampleId :
H0A24MSD



Tgt Ion:252 Resp: 29812
Ion Ratio Lower Upper
252 100
253 28.0 19.2 28.8
125 22.9 15.8 23.6

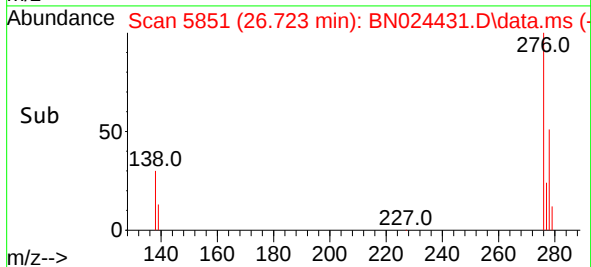
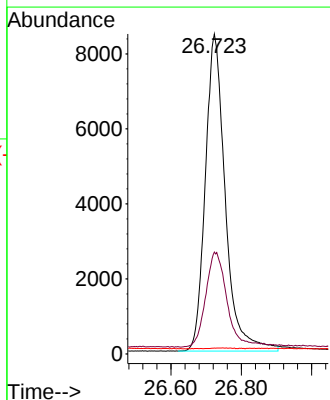
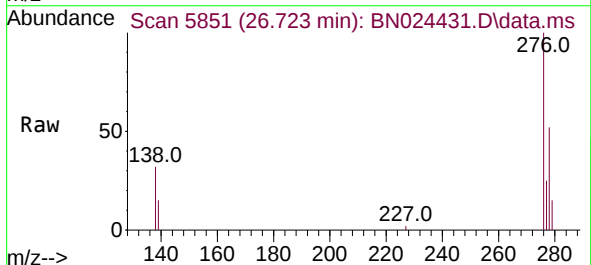
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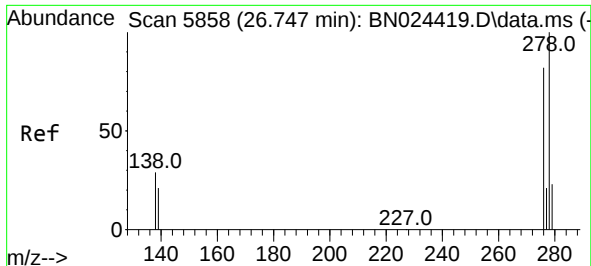
Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng/ul
RT: 26.723 min Scan# 5851
Delta R.T. 0.000 min
Lab File: BN024431.D
Acq: 21 Mar 2023 03:35

Tgt Ion:276 Resp: 33276
Ion Ratio Lower Upper
276 100
138 32.4 0.0 0.0#
227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.402 ng/ul

RT: 26.743 min Scan# 5858

Delta R.T. -0.003 min

Lab File: BN024431.D

Acq: 21 Mar 2023 03:35

Instrument :

BNA_N

ClientSampleId :

H0A24MSD

Tgt Ion:278 Resp: 25318

Ion Ratio Lower Upper

278 100

139 24.6 21.0 31.6

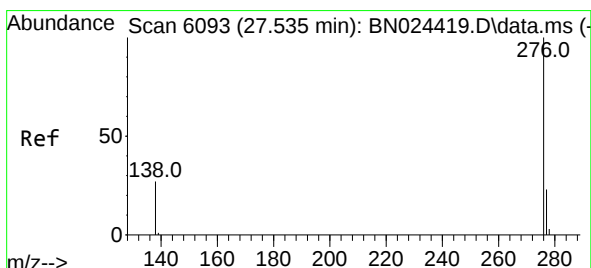
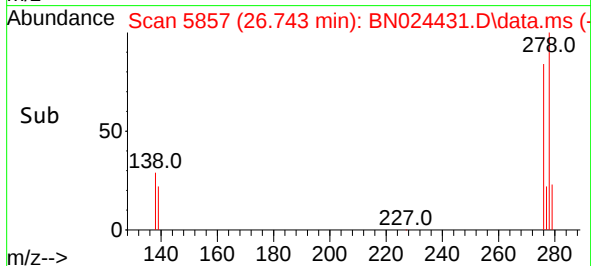
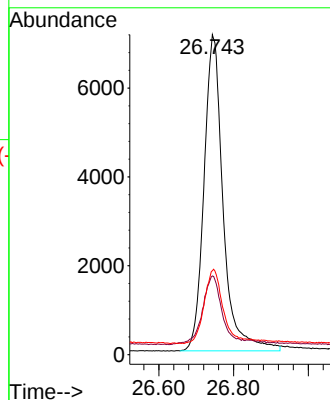
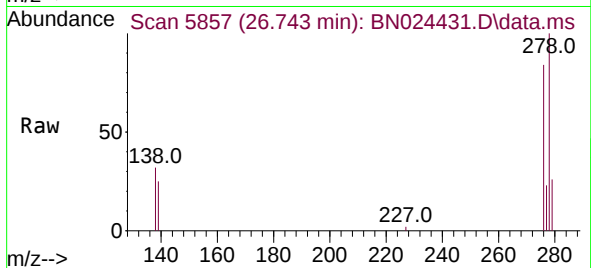
279 26.2 20.4 30.6

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Reviewed By :Christian Giraldo 03/21/2023

Supervised By :Jagrut Upadhyay 03/21/2023



#29

Benzo(g,h,i)perylene

Concen: 0.400 ng/ul

RT: 27.525 min Scan# 6090

Delta R.T. -0.010 min

Lab File: BN024431.D

Acq: 21 Mar 2023 03:35

Tgt Ion:276 Resp: 28711

Ion Ratio Lower Upper

276 100

138 29.9 25.2 37.8

277 25.0 19.4 29.2

