

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033595.D
 Acq On : 23 Aug 2024 18:23
 Operator : MA/JU
 Sample : P3671-06DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924DL

Quant Time: Aug 24 02:18:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8740	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	22823	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10830	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20585	0.400	ng	0.00
29) Chrysene-d12	21.139	240	17216	0.400	ng	0.00
35) Perylene-d12	23.306	264	19106	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	804	0.029	ng	0.00
5) Phenol-d6	6.736	99	958	0.029	ng	0.00
8) Nitrobenzene-d5	8.681	82	673	0.036	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	920	0.028	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	191	0.033	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	1201	0.027	ng	0.00
27) Fluoranthene-d10	18.975	212	1056	0.021	ng	0.00
31) Terphenyl-d14	19.584	244	698	0.018	ng	0.00
Target Compounds						
						Qvalue
17) Acenaphthene	14.242	154	2510	0.075	ng	98
18) Fluorene	15.236	166	2709	0.064	ng	98
25) Phenanthrene	16.967	178	48921	0.854	ng	100
26) Anthracene	17.066	178	9296	0.183	ng	# 95
28) Fluoranthene	19.003	202	101100	1.598	ng	99
30) Pyrene	19.365	202	86720	1.129	ng	# 95
32) Benzo(a)anthracene	21.122	228	53076	0.853	ng	98
33) Chrysene	21.175	228	45494	0.735	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	15195m	0.386	ng	
36) Indeno(1,2,3-cd)pyrene	25.455	276	34740	0.438	ng	# 93
37) Benzo(b)fluoranthene	22.666	252	71247	0.999	ng	98
38) Benzo(k)fluoranthene	22.704	252	27080m	0.386	ng	
39) Benzo(a)pyrene	23.212	252	50880	0.862	ng	95
40) Dibenzo(a,h)anthracene	25.464	278	8366	0.132	ng	# 72
41) Benzo(g,h,i)perylene	26.113	276	33549	0.495	ng	99

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

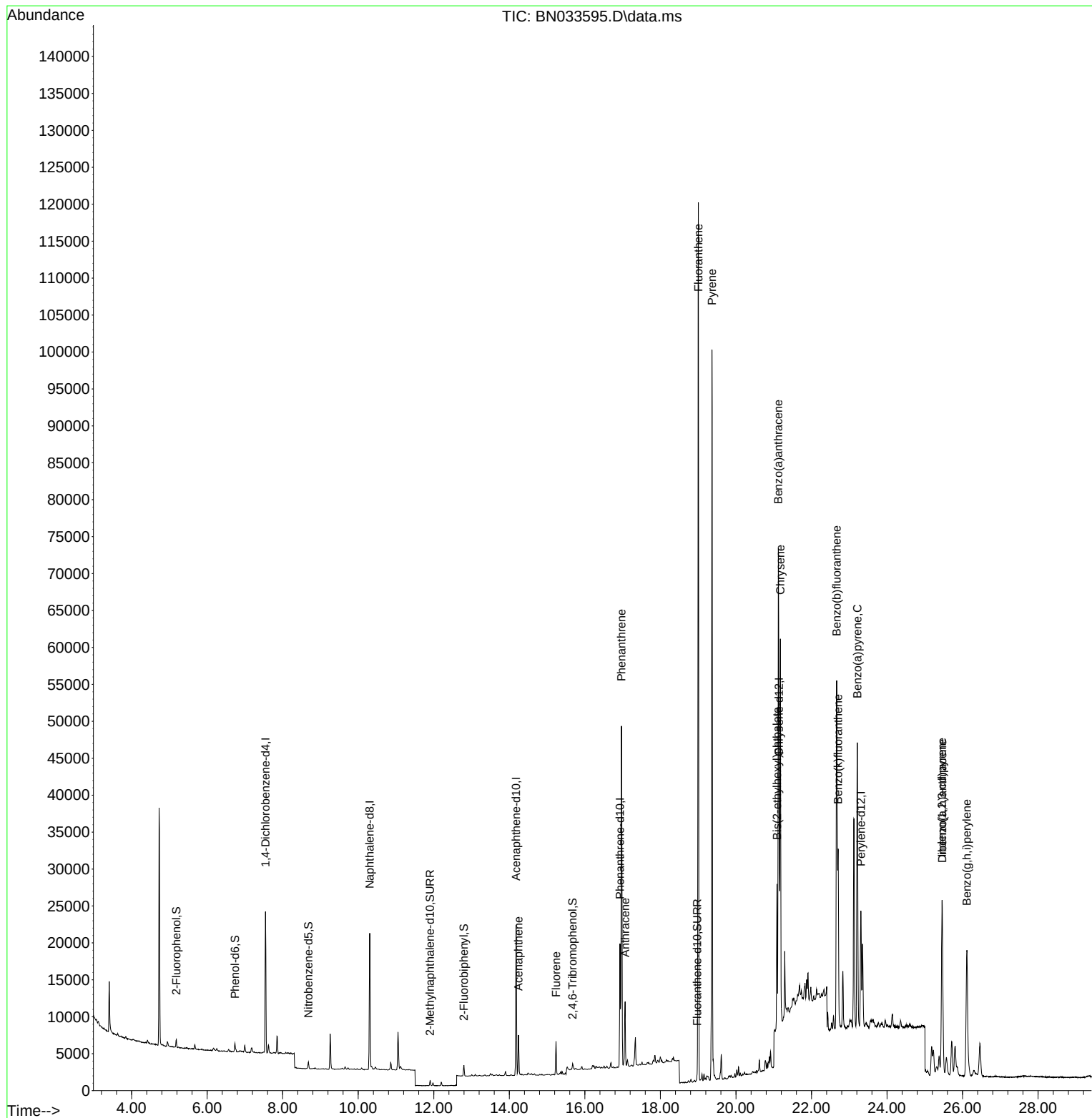
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
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Operator : MA/JU
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ALS Vial : 15 Sample Multiplier: 1

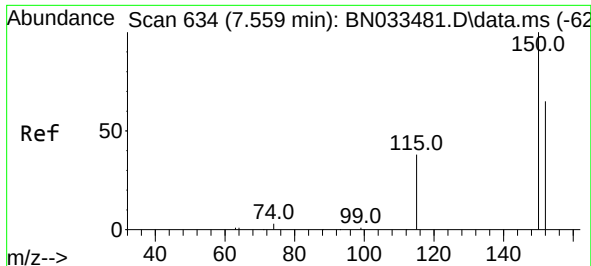
Instrument :
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S-905-J-SO-0-0.5-081924DL

Quant Time: Aug 24 02:18:07 2024
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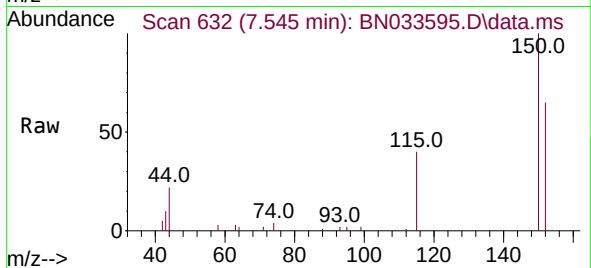
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

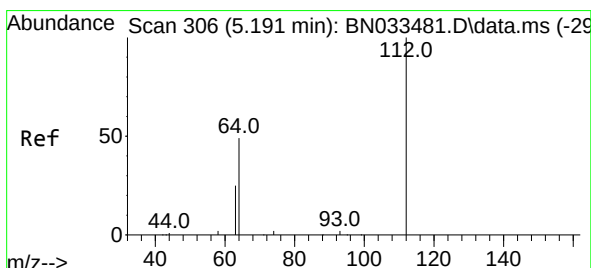
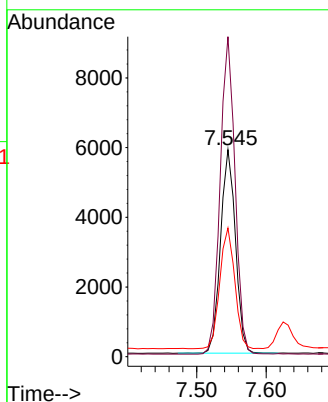
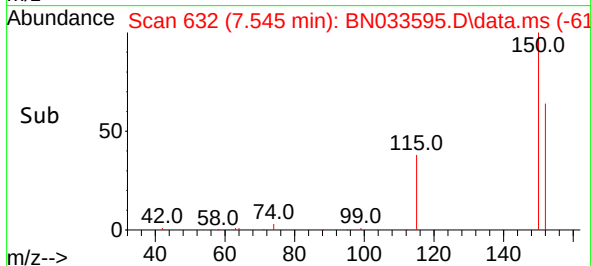
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



Tgt Ion:152 Resp: 8740
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.2
115 62.1 47.2 70.8

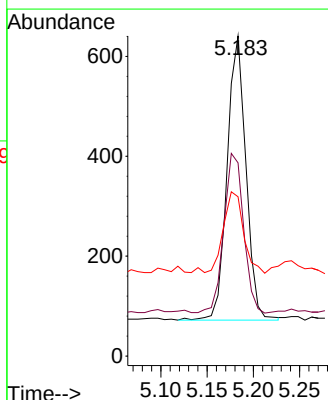
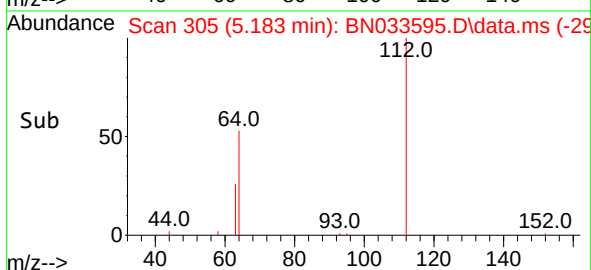
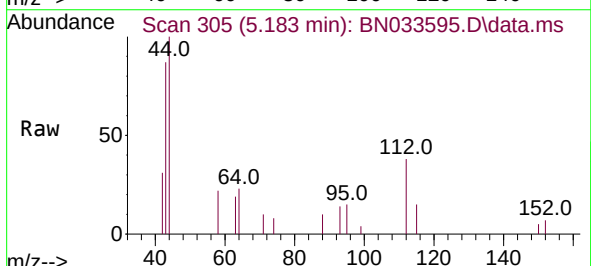
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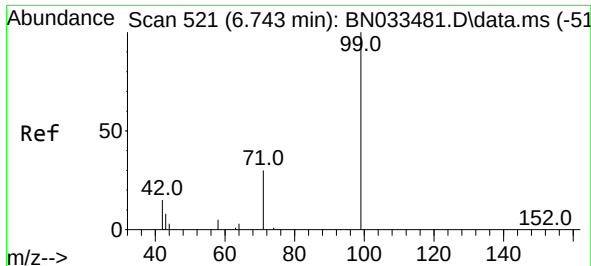
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

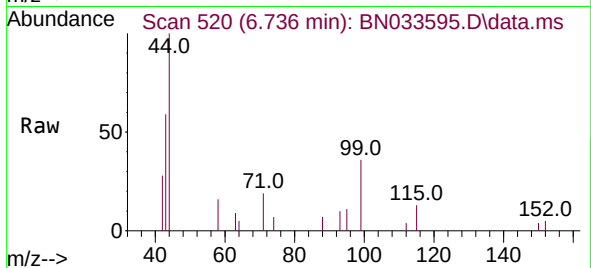
Tgt Ion:112 Resp: 804
Ion Ratio Lower Upper
112 100
64 58.3 47.1 70.7
63 31.0 24.9 37.3





#5
Phenol-d6
Concen: 0.029 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

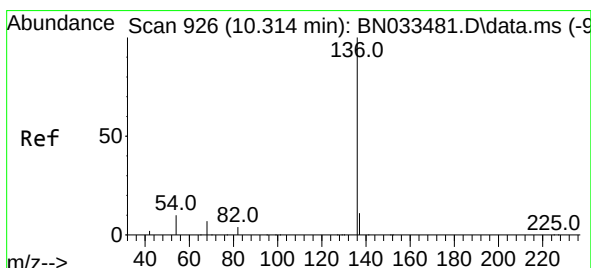
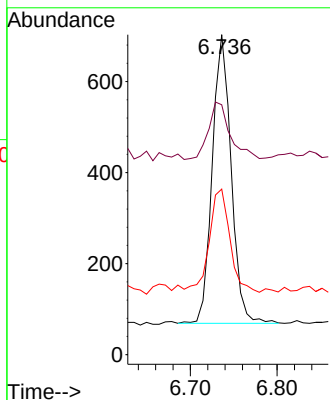
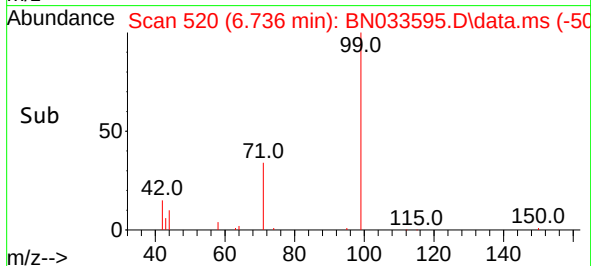
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



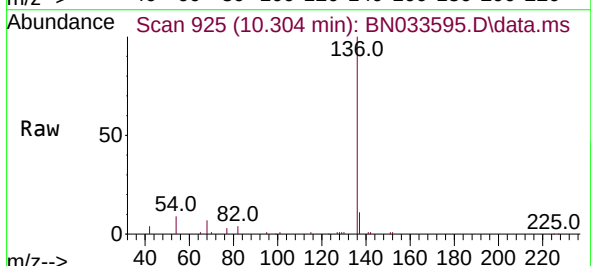
Tgt Ion: 99 Resp: 958
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 39.9 26.2 39.4

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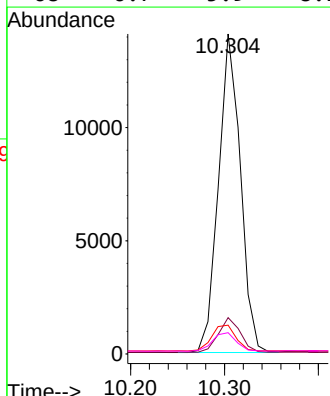
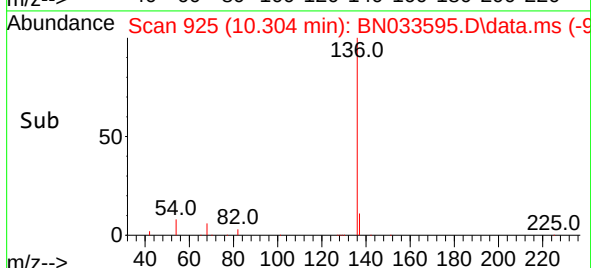
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

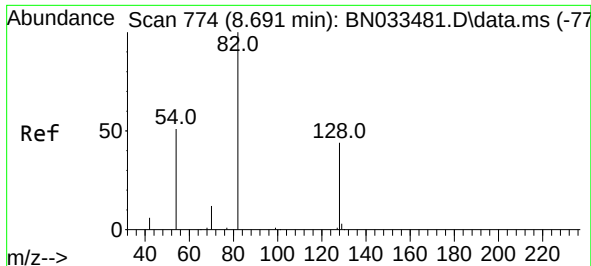


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23



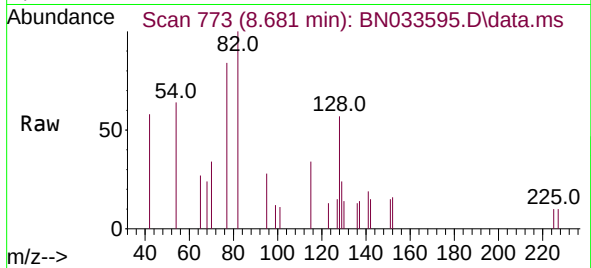
Tgt Ion:136 Resp: 22823
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.0 8.3 12.5
68 6.7 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.036 ng
RT: 8.681 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

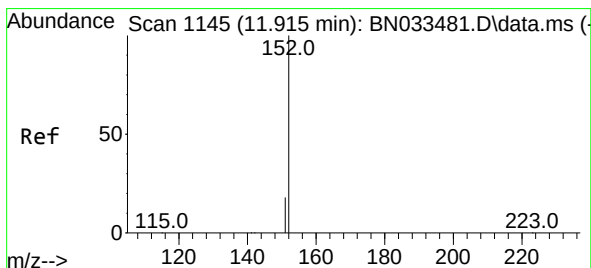
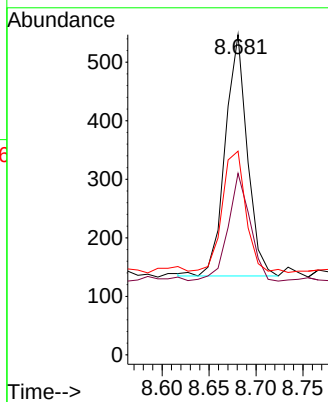
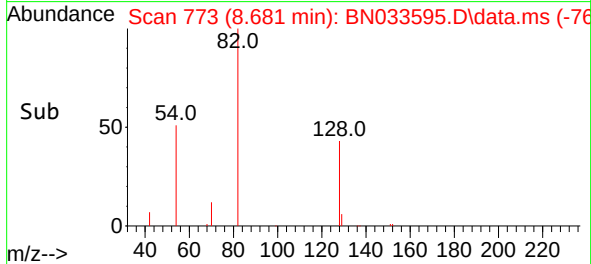
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



Tgt Ion: 82 Resp: 67
Ion Ratio Lower Upper
82 100
128 56.7 36.0 54.0
54 63.6 42.0 63.0

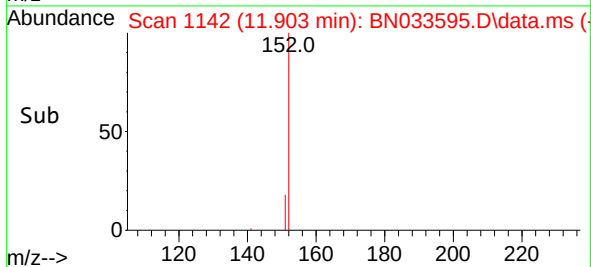
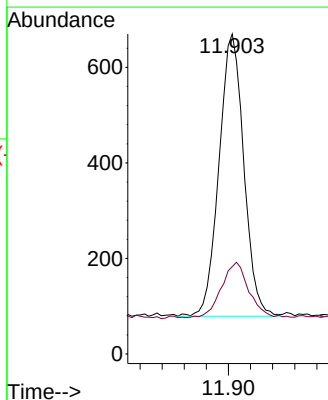
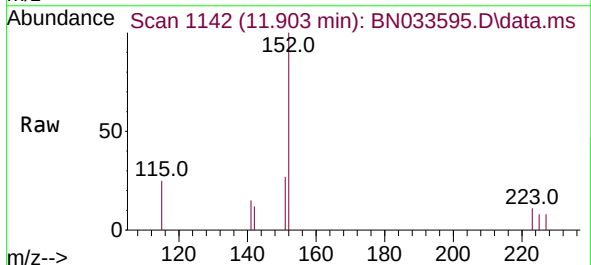
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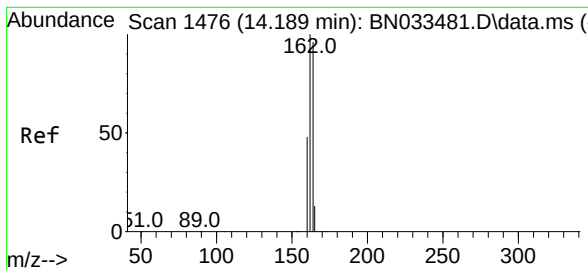
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 11.903 min Scan# 1142
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

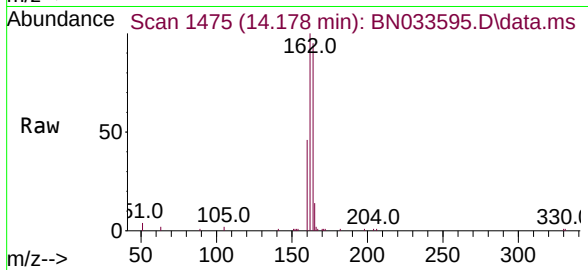
Tgt Ion:152 Resp: 920
Ion Ratio Lower Upper
152 100
151 22.1 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

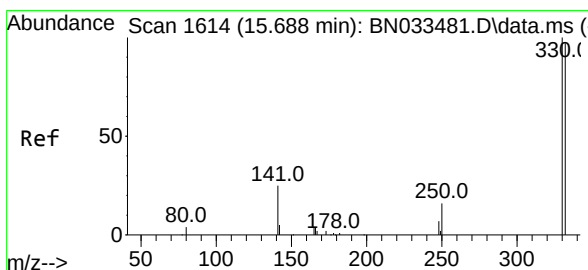
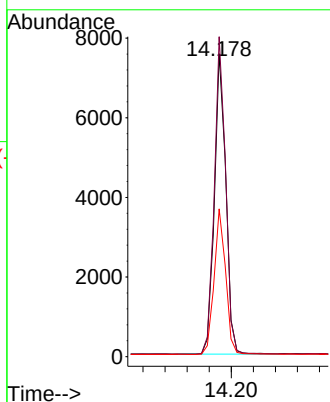
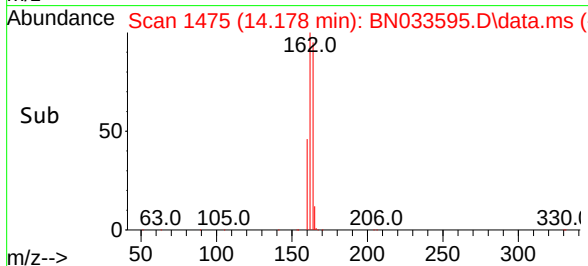
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



Tgt Ion:164 Resp: 10830
Ion Ratio Lower Upper
164 100
162 105.6 83.5 125.3
160 48.8 40.2 60.4

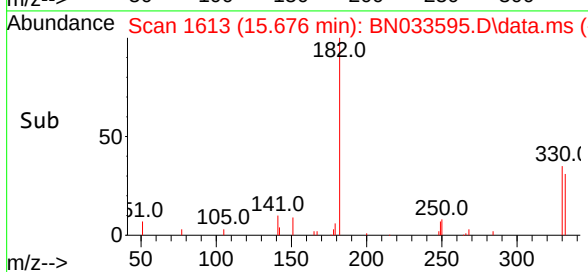
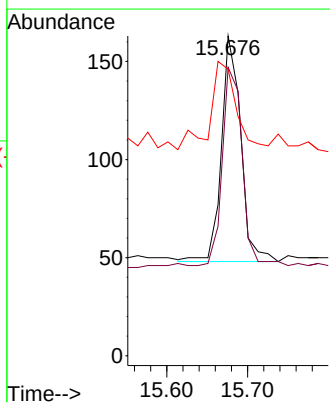
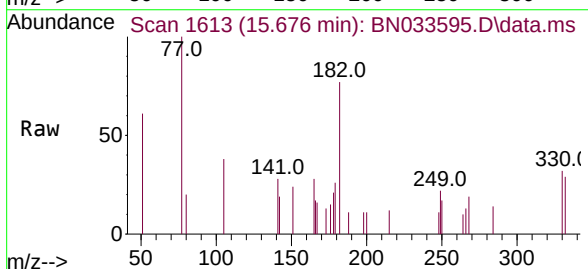
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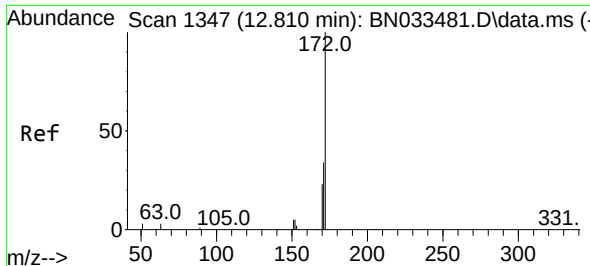
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#14
2,4,6-Tribromophenol
Concen: 0.033 ng
RT: 15.676 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

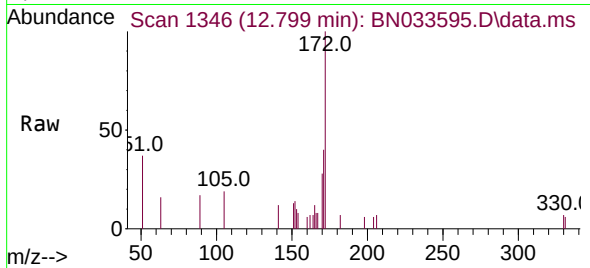
Tgt Ion:330 Resp: 191
Ion Ratio Lower Upper
330 100
332 90.6 77.5 116.3
141 52.4 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

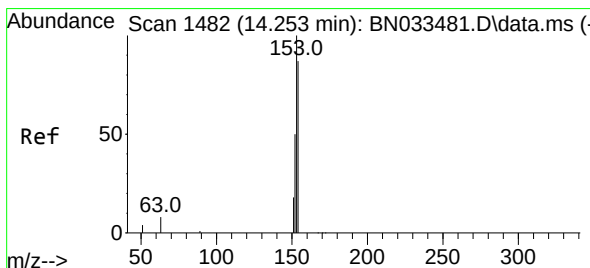
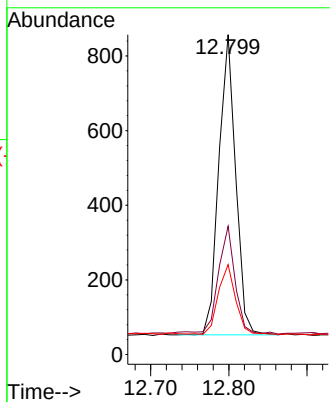
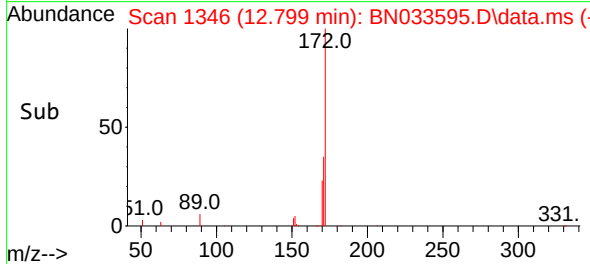
Instrument :
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S-905-J-SO-0-0.5-081924DL



Tgt Ion:172 Resp: 120
Ion Ratio Lower Upper
172 100
171 40.1 27.7 41.5
170 28.1 18.3 27.5

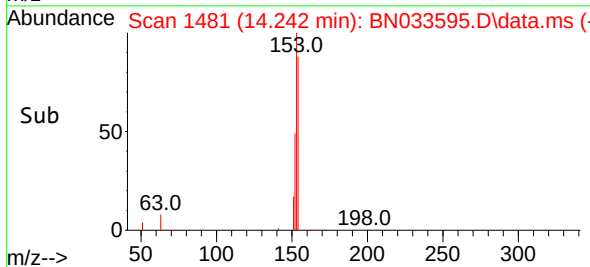
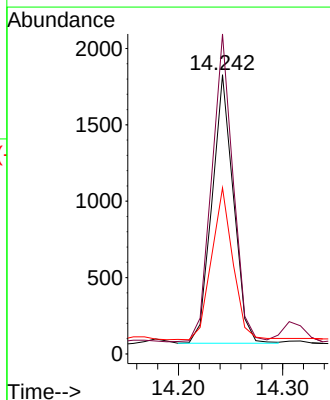
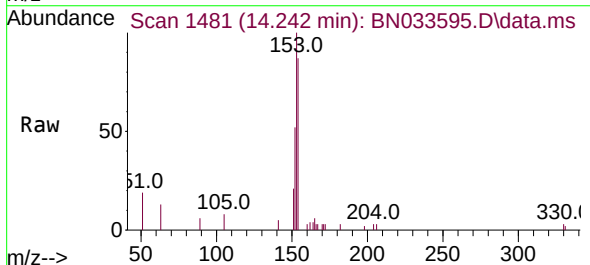
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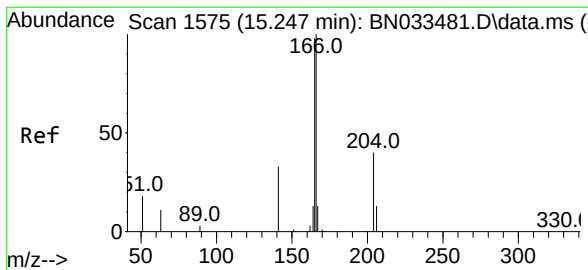
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#17
Acenaphthene
Concen: 0.075 ng
RT: 14.242 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

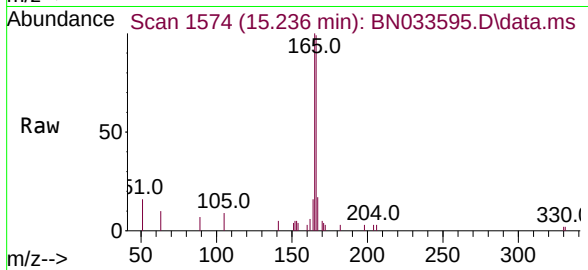
Tgt Ion:154 Resp: 2510
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 56.3 45.2 67.8





#18
 Fluorene
 Concen: 0.064 ng
 RT: 15.236 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

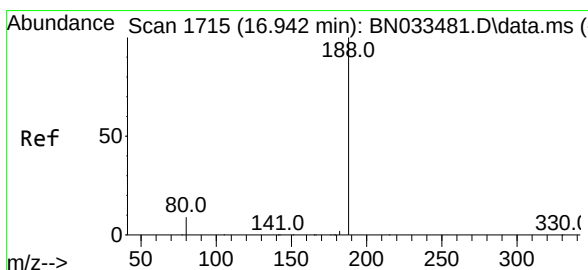
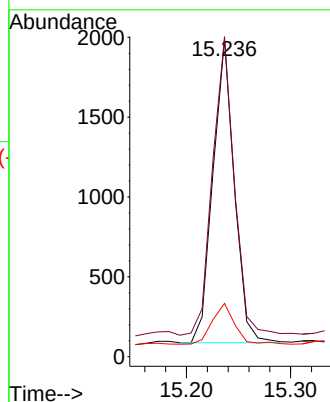
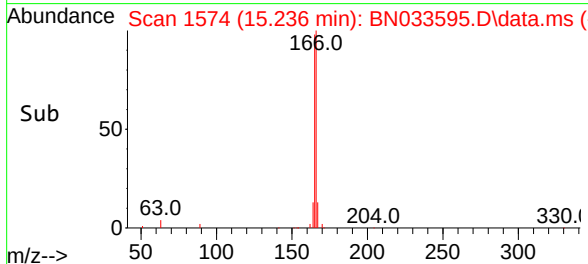
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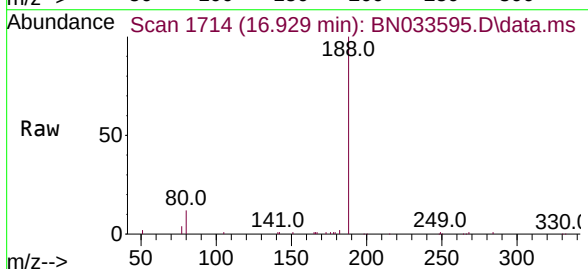
Tgt Ion:166 Resp: 2709
 Ion Ratio Lower Upper
 166 100
 165 99.9 78.2 117.4
 167 14.2 10.6 16.0

Manual Integrations
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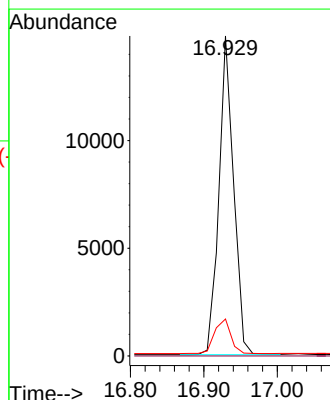
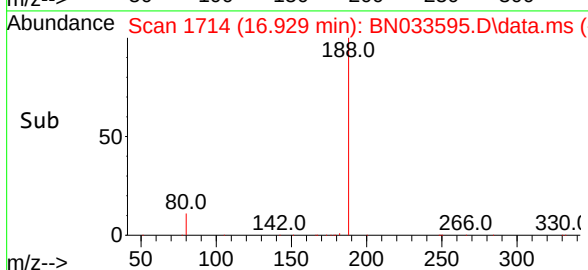
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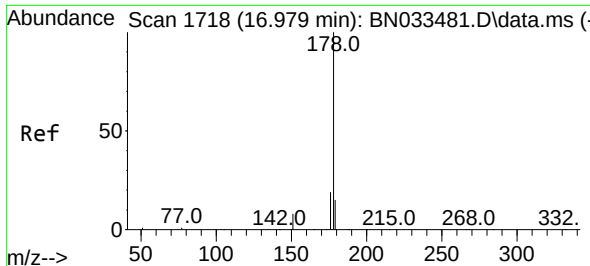


#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.929 min Scan# 1714
 Delta R.T. 0.000 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23



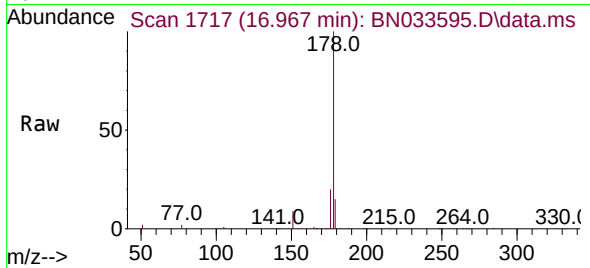
Tgt Ion:188 Resp: 20585
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.6 7.8 11.8





#25
Phenanthrene
Concen: 0.854 ng
RT: 16.967 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

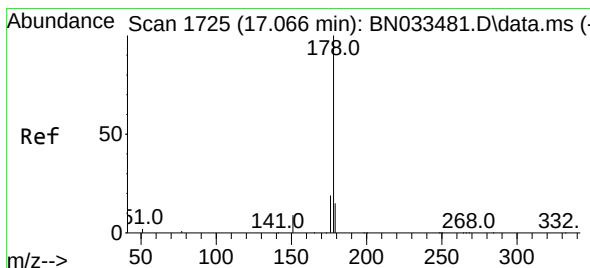
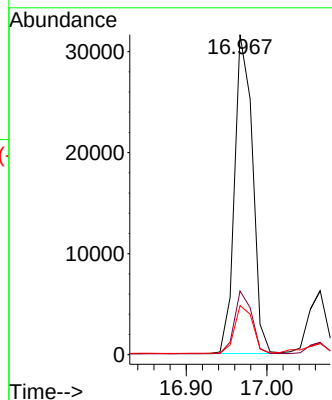
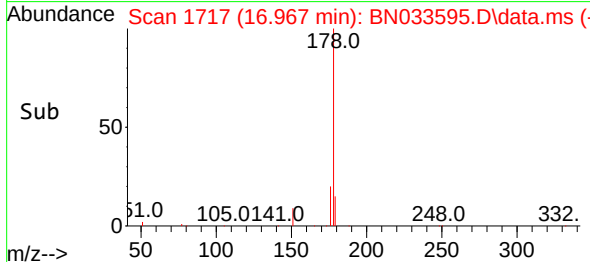
Instrument :
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S-905-J-SO-0-0.5-081924DL



Tgt Ion:178 Resp: 4892
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.3 18.5

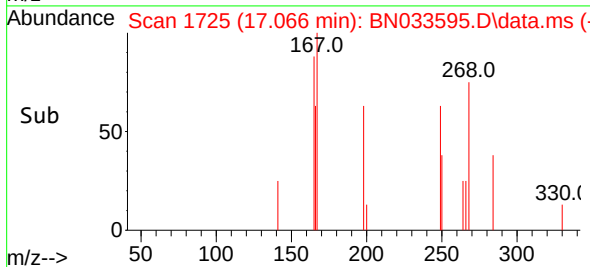
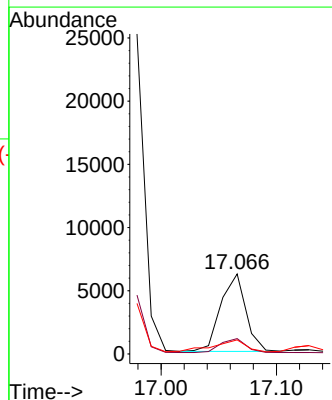
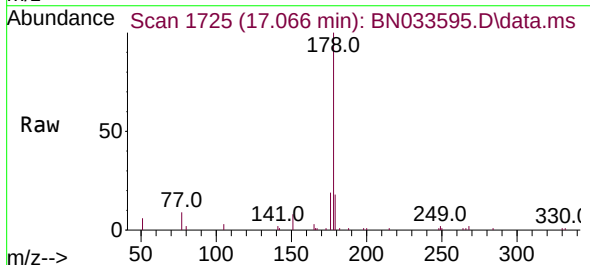
Manual Integrations
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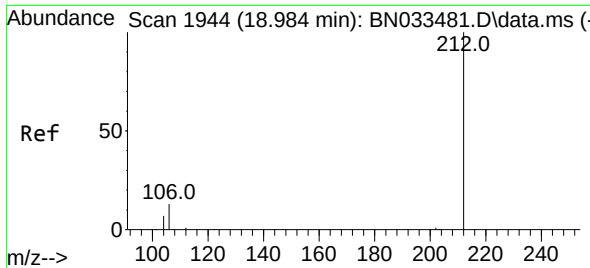
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#26
Anthracene
Concen: 0.183 ng
RT: 17.066 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

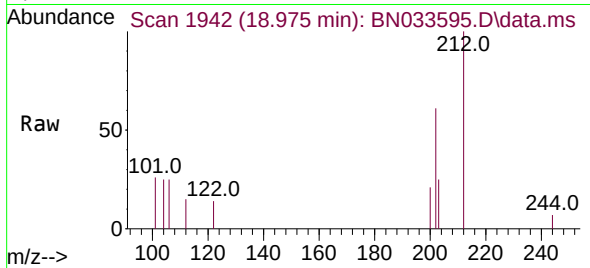
Tgt Ion:178 Resp: 9296
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 19.6 12.4 18.6#





#27
Fluoranthene-d10
Concen: 0.021 ng
RT: 18.975 min Scan# 1942
Delta R.T. 0.005 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

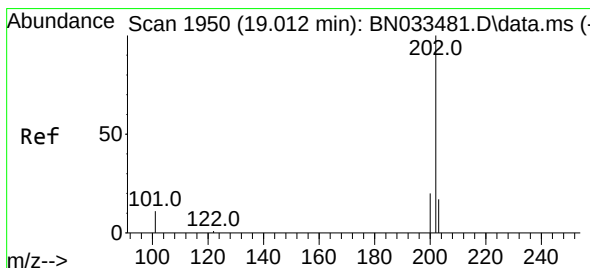
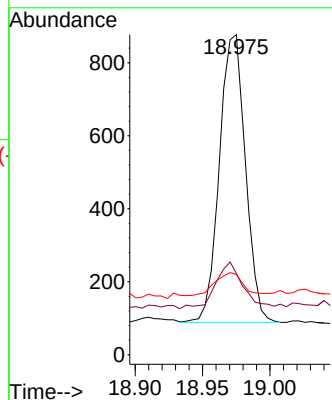
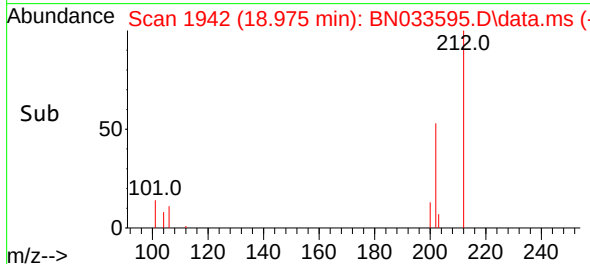
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



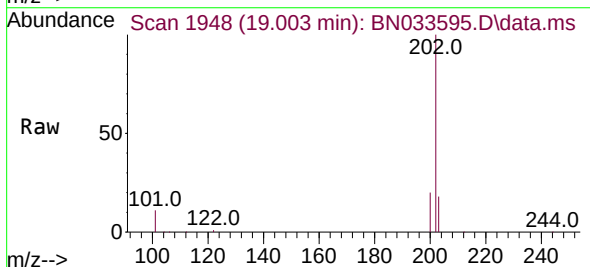
Tgt Ion:212 Resp: 1050
Ion Ratio Lower Upper
212 100
106 17.2 12.3 18.5
104 8.8 7.0 10.4

Manual Integrations
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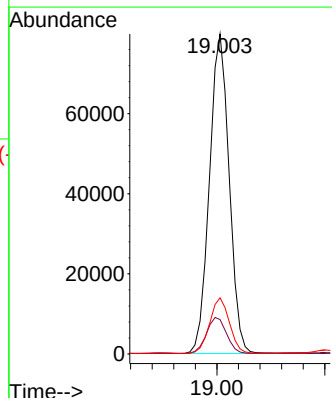
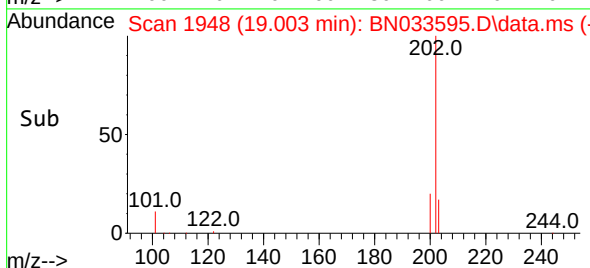
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

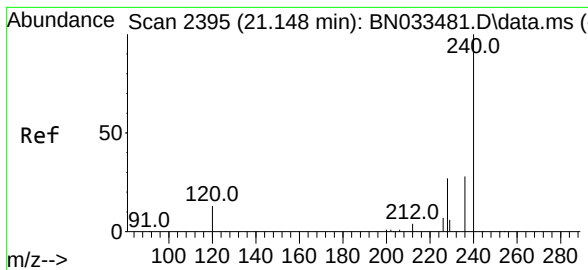


#28
Fluoranthene
Concen: 1.598 ng
RT: 19.003 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23



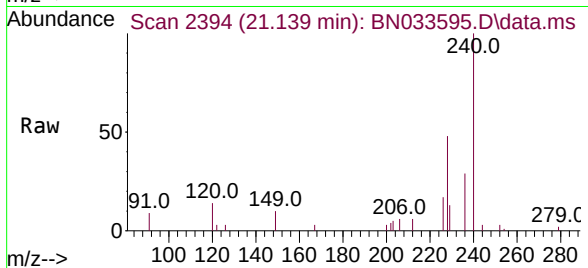
Tgt Ion:202 Resp: 101100
Ion Ratio Lower Upper
202 100
101 11.5 9.5 14.3
203 17.3 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 21139
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

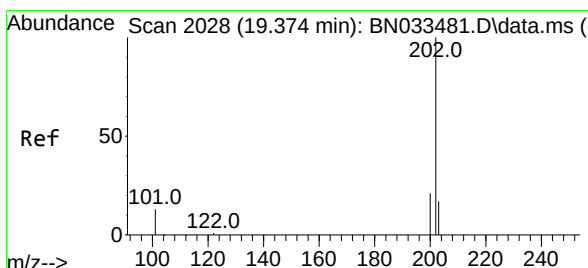
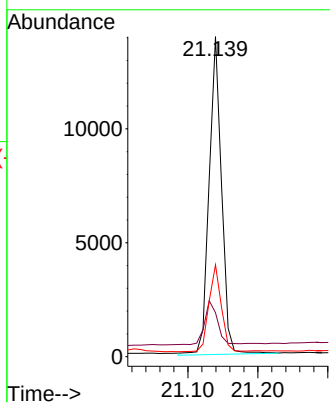
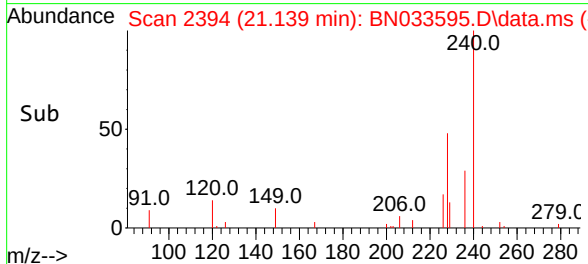
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924DL



Tgt Ion:240 Resp: 17210
Ion Ratio Lower Upper
240 100
120 13.8 12.4 18.6
236 28.7 23.0 34.6

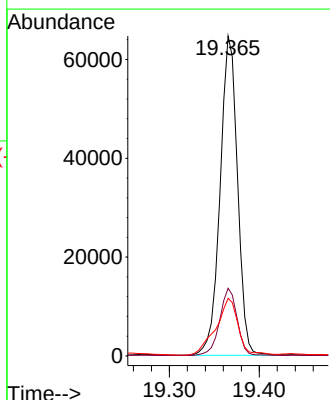
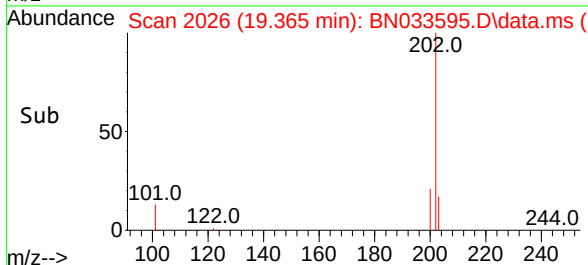
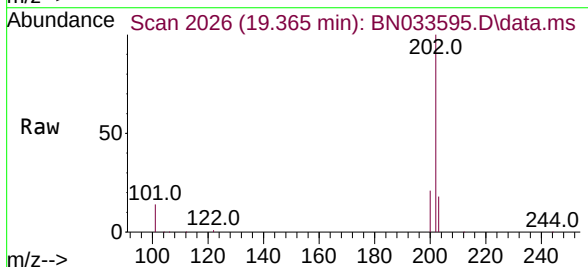
Manual Integrations
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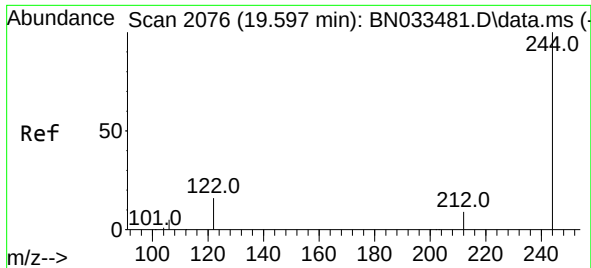
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#30
Pyrene
Concen: 1.129 ng
RT: 19.365 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

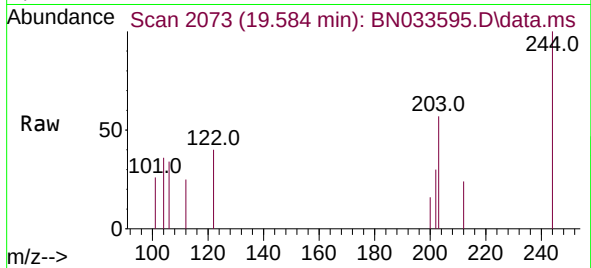
Tgt Ion:202 Resp: 86720
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 22.5 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.018 ng
 RT: 19.584 min Scan# 2076
 Delta R.T. 0.000 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924DL

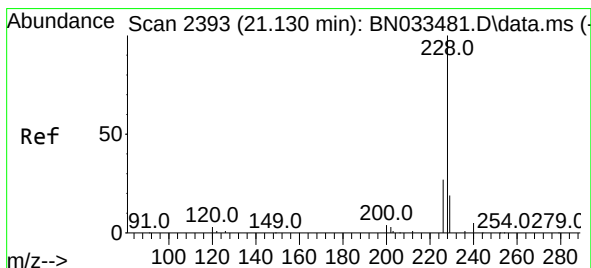
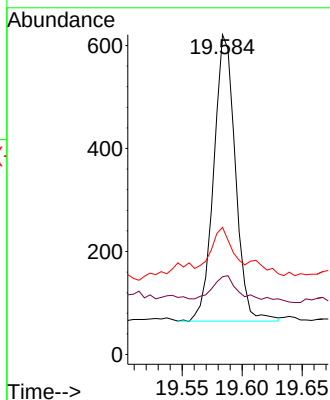
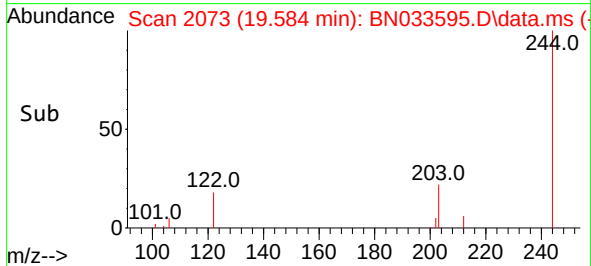


Tgt Ion:244 Resp: 698

Ion	Ratio	Lower	Upper
244	100		
212	24.3	7.8	11.6
122	39.8	13.3	19.9

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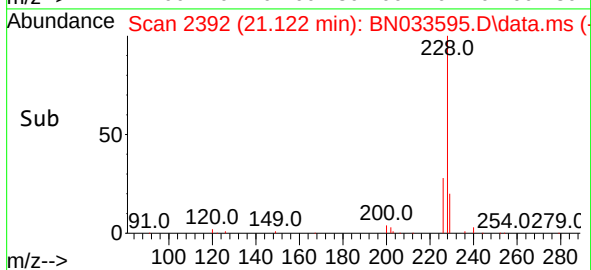
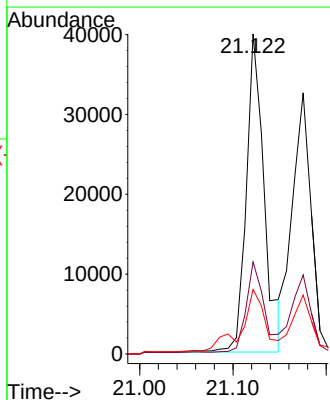
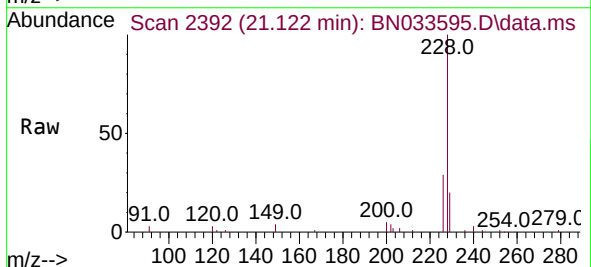
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

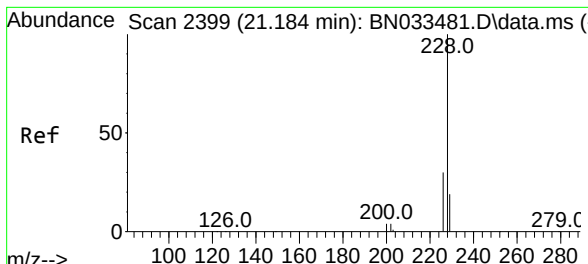


#32
 Benzo(a)anthracene
 Concen: 0.853 ng
 RT: 21.122 min Scan# 2392
 Delta R.T. 0.000 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

Tgt Ion:228 Resp: 53076

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.6
229	20.2	15.8	23.6





#33

Chrysene

Concen: 0.735 ng

RT: 21.175 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

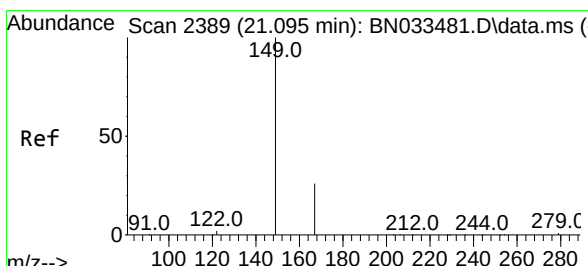
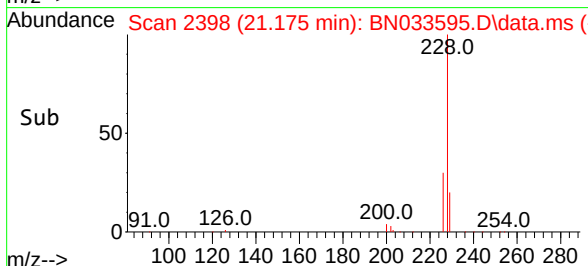
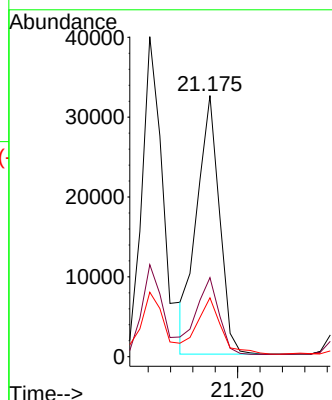
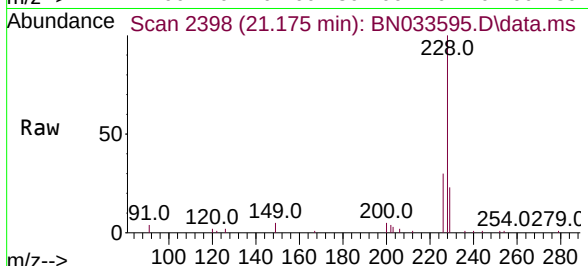
Tgt Ion:228	Resp: 45494
Ion Ratio	Lower Upper
228 100	
226 30.3	23.8 35.8
229 22.5	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/29/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.386 ng m

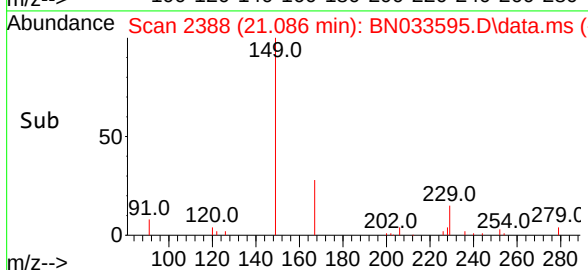
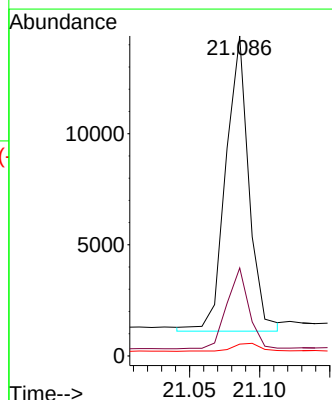
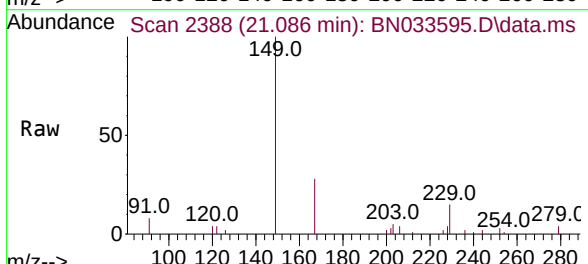
RT: 21.086 min Scan# 2388

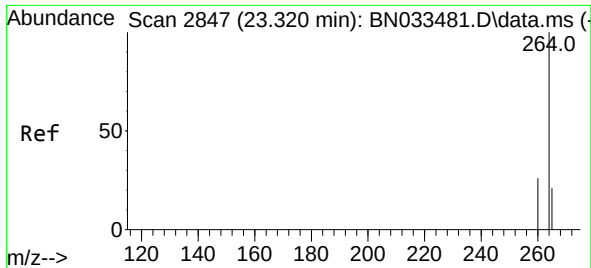
Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

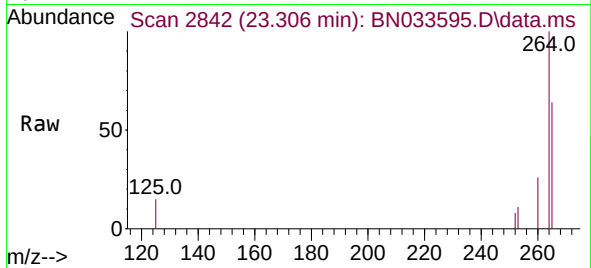
Tgt Ion:149	Resp: 15195
Ion Ratio	Lower Upper
149 100	
167 29.2	21.5 32.3
279 4.3	2.2 3.2#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.306 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

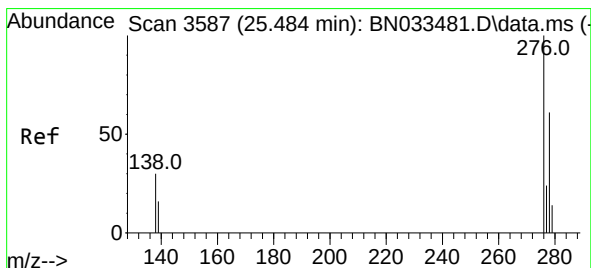
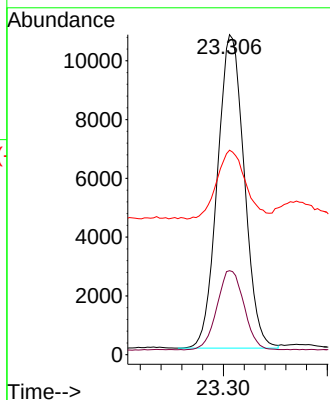
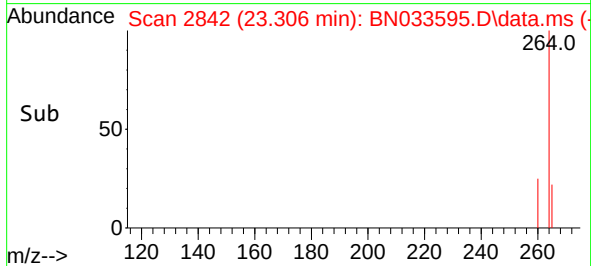
Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924DL



Tgt Ion:264 Resp: 19100
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.8 31.2
 265 63.9 52.2 78.2

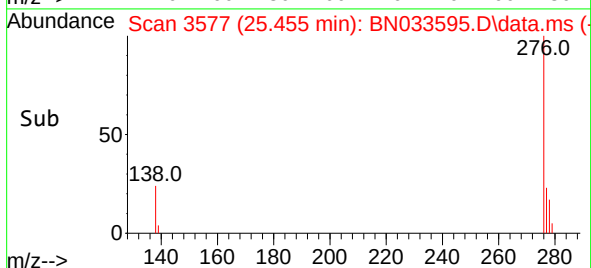
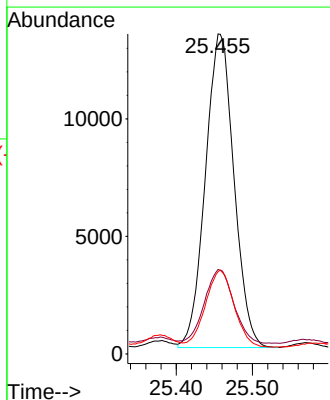
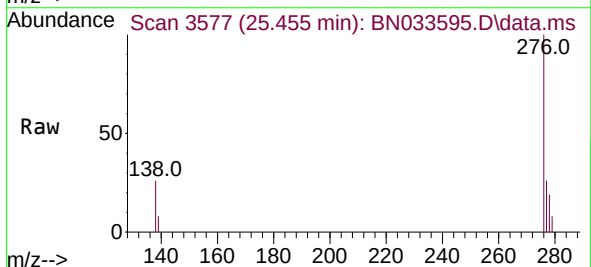
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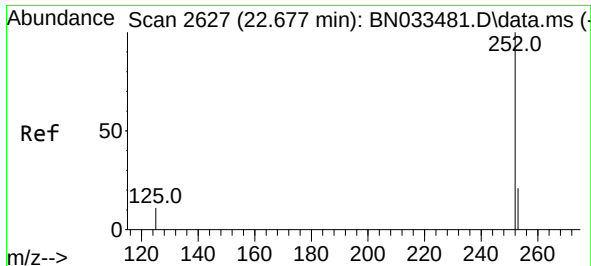
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.438 ng
 RT: 25.455 min Scan# 3577
 Delta R.T. 0.006 min
 Lab File: BN033595.D
 Acq: 23 Aug 2024 18:23

Tgt Ion:276 Resp: 34740
 Ion Ratio Lower Upper
 276 100
 138 23.9 24.4 36.6#
 277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.999 ng

RT: 22.666 min Scan# 2623

Delta R.T. 0.006 min

Lab File: BN033595.D

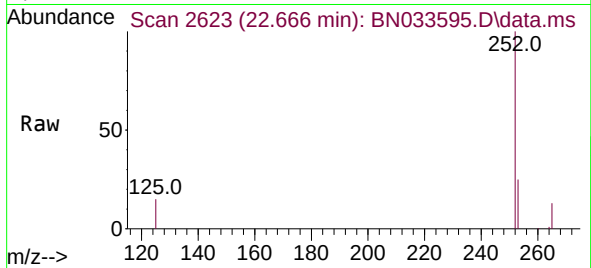
Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL



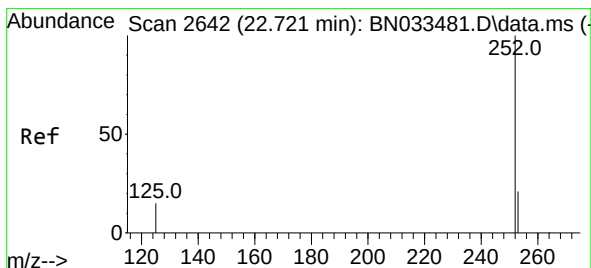
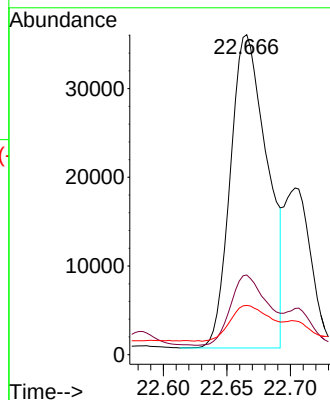
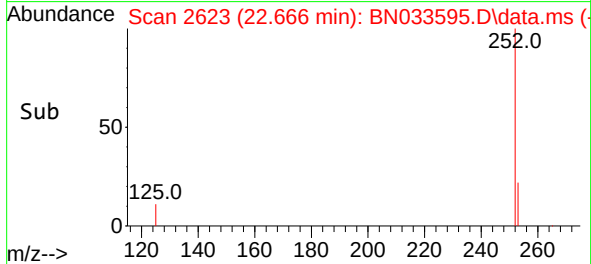
Tgt Ion:252	Resp:	7124
Ion Ratio	Lower	Upper
252	100	
253	24.9	19.8 29.8
125	15.4	13.9 20.9

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/29/2024



#38

Benzo(k)fluoranthene

Concen: 0.386 ng m

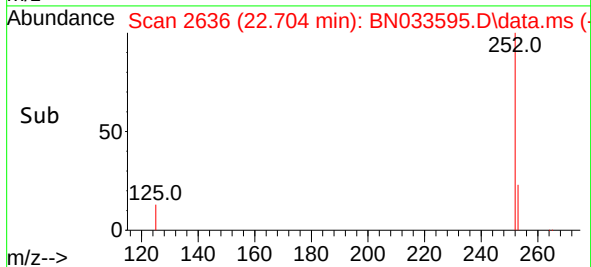
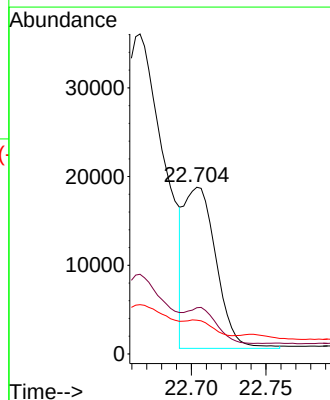
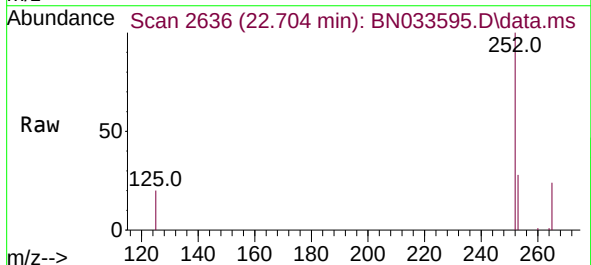
RT: 22.704 min Scan# 2636

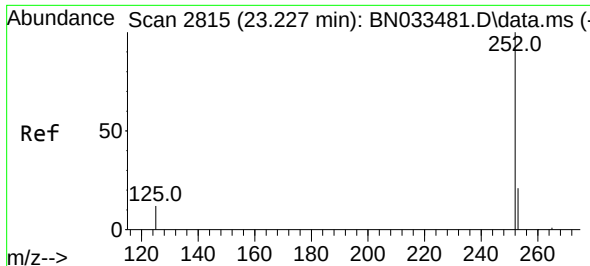
Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Tgt Ion:252	Resp:	27080
Ion Ratio	Lower	Upper
252	100	
253	27.8	19.8 29.8
125	20.2	15.8 23.8





#39

Benzo(a)pyrene

Concen: 0.862 ng

RT: 23.212 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BN_A_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL

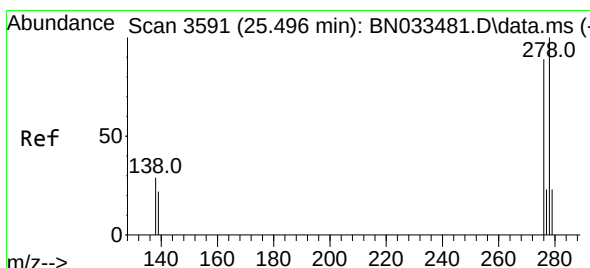
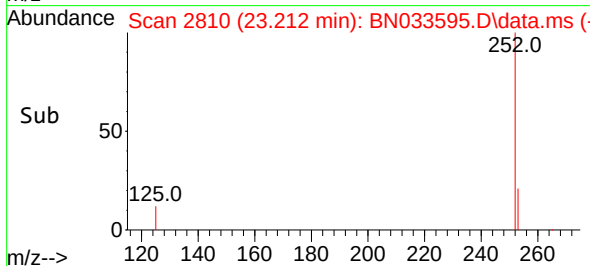
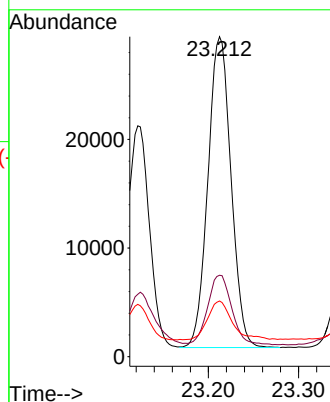
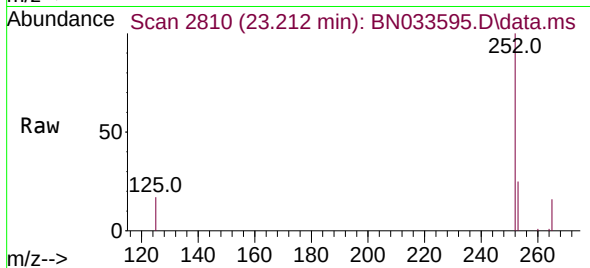
Tgt Ion:	252	Resp:	50880
Ion Ratio	Lower	Upper	
252	100		
253	25.4	21.5	32.3
125	17.4	17.0	25.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/29/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.132 ng

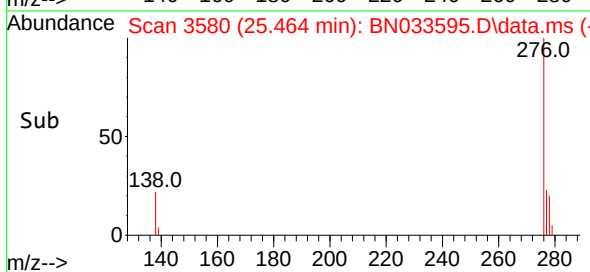
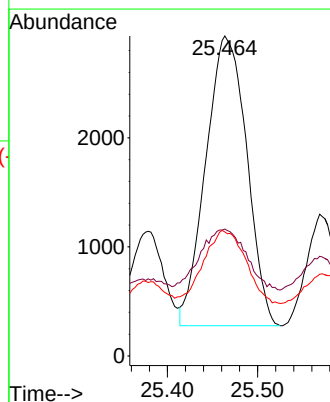
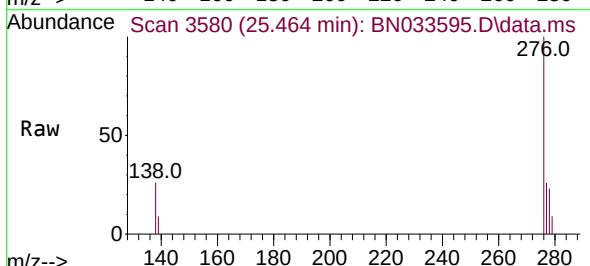
RT: 25.464 min Scan# 3580

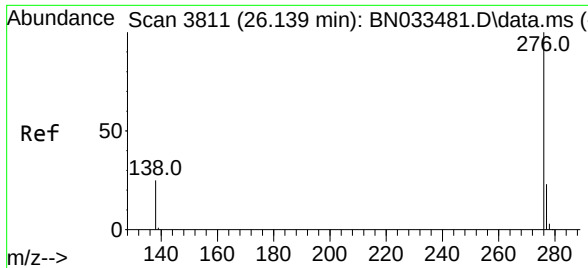
Delta R.T. -0.006 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Tgt Ion:	278	Resp:	8366
Ion Ratio	Lower	Upper	
278	100		
139	39.6	19.1	28.7#
279	38.8	21.0	31.4#





#41

Benzo(g,h,i)perylene

Concen: 0.495 ng

RT: 26.113 min Scan# 3811

Delta R.T. 0.009 min

Lab File: BN033595.D

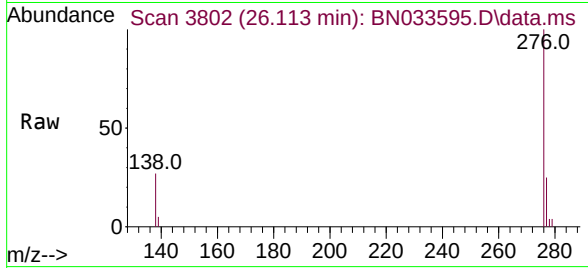
Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924DL



Tgt Ion:276 Resp: 33549

Ion Ratio Lower Upper

276 100

277 25.4 19.7 29.5

138 26.8 21.8 32.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/29/2024

