

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-KJ-SO-0-0.5-081924DL

Manual Integrations
 APPROVED

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

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

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

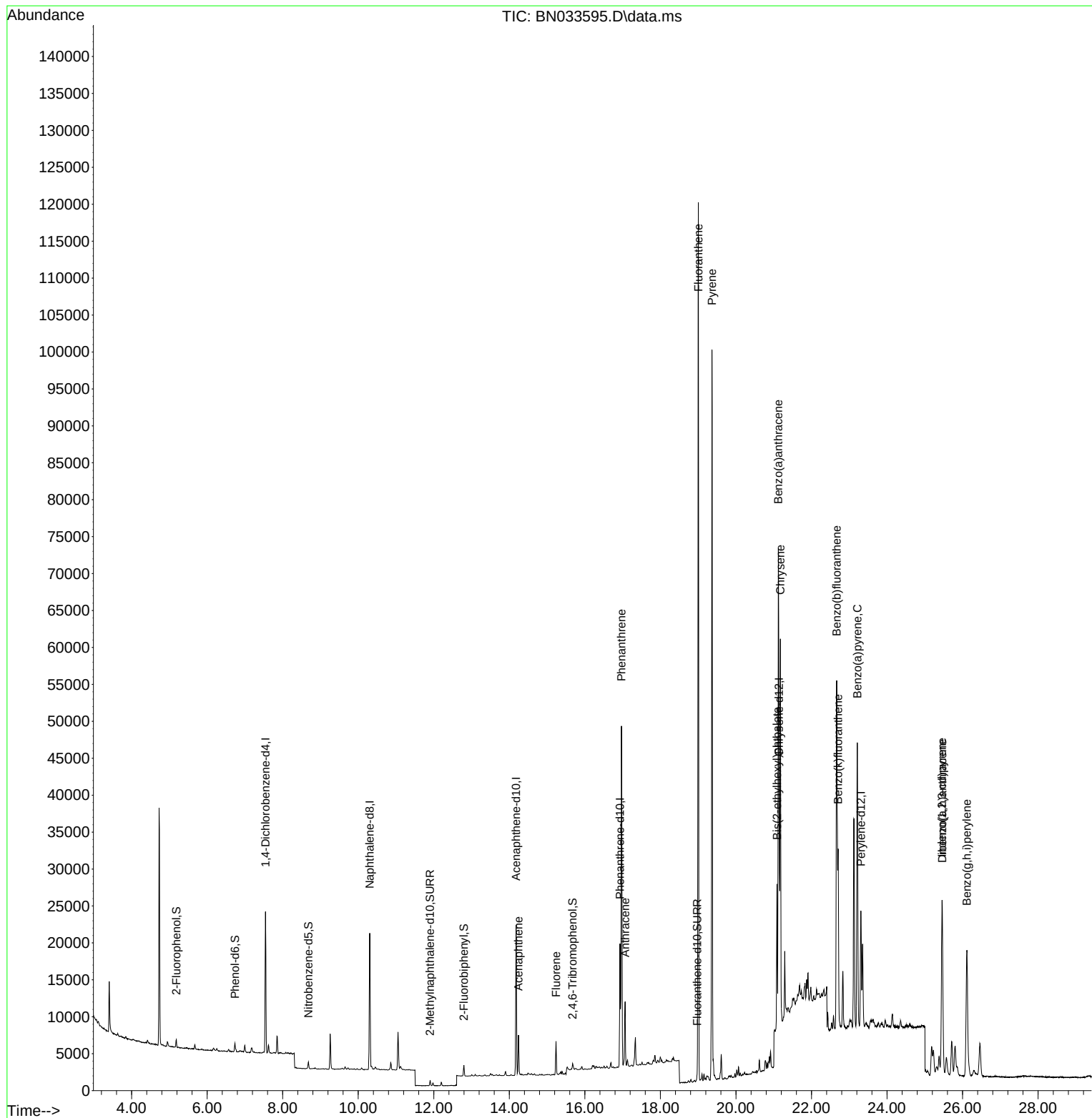
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033595.D
Acq On : 23 Aug 2024 18:23
Operator : MA/JU
Sample : P3671-06DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

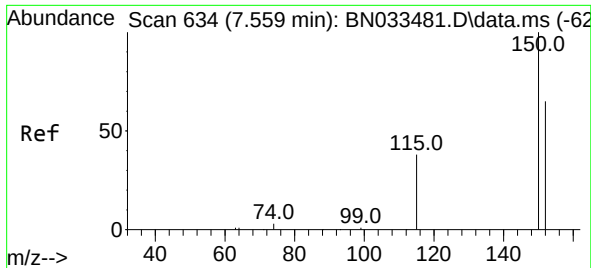
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL

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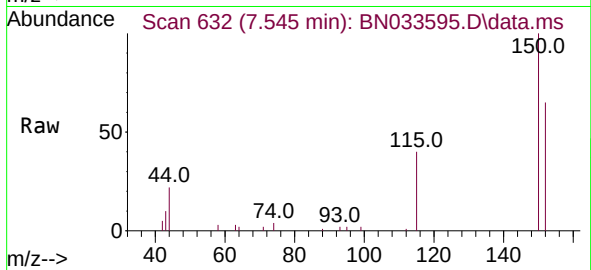
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#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

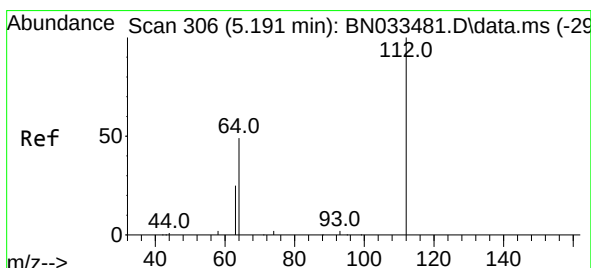
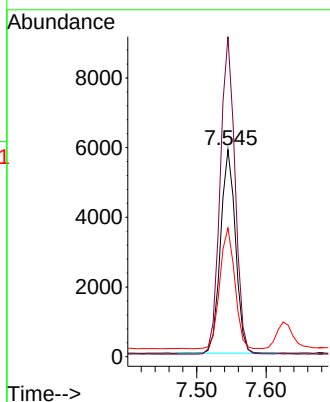
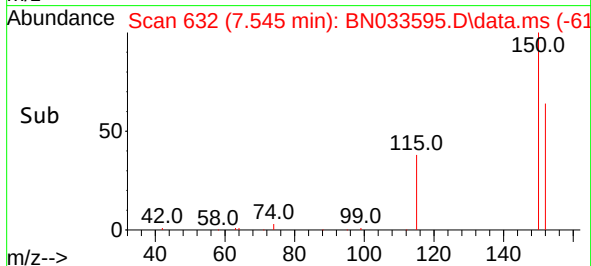
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

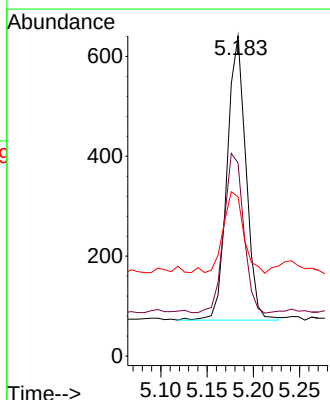
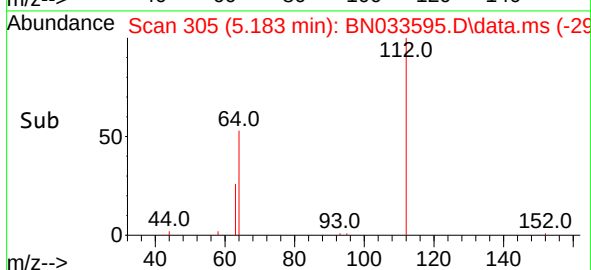
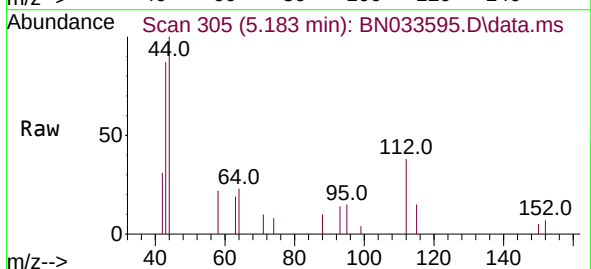
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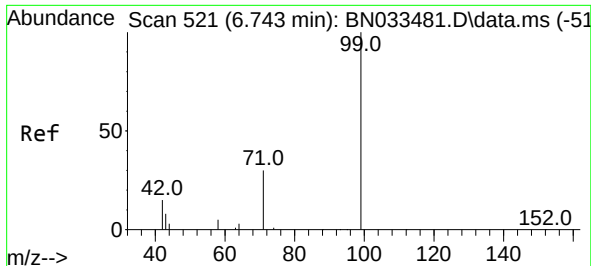
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

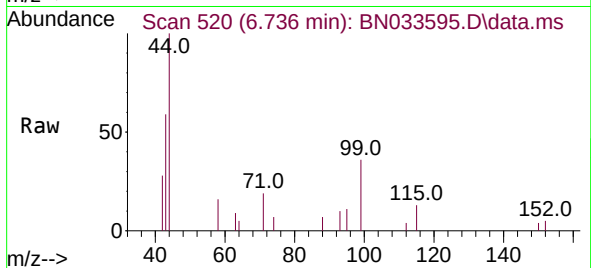
Tgt Ion:112 Resp: 804
Ion Ratio Lower Upper
112 100
64 58.3 47.1 70.7
63 31.0 24.9 37.3





#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

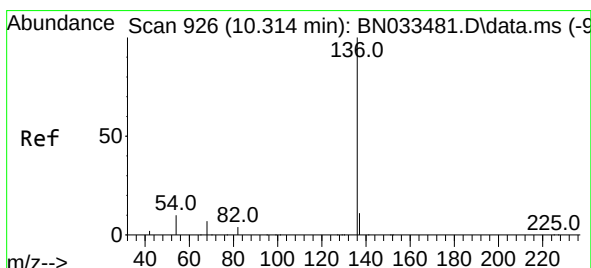
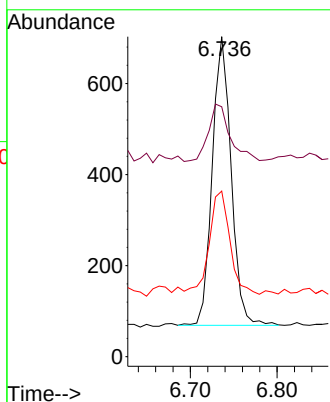
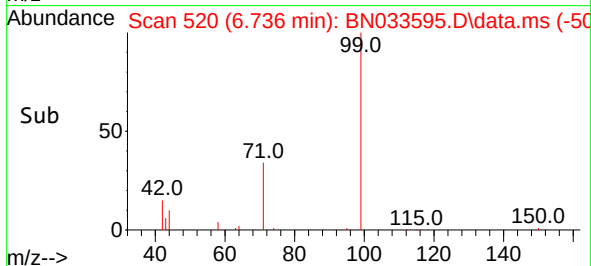
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

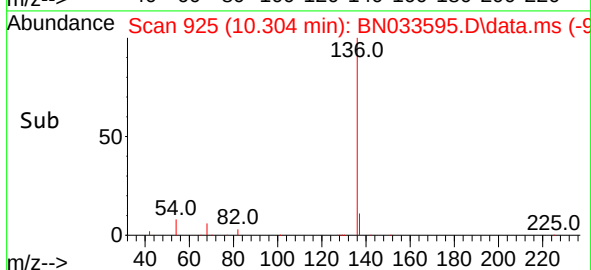
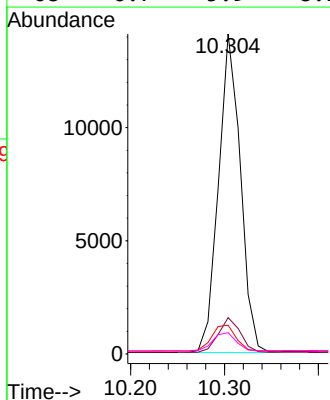
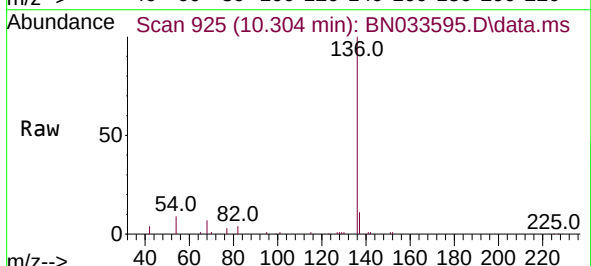
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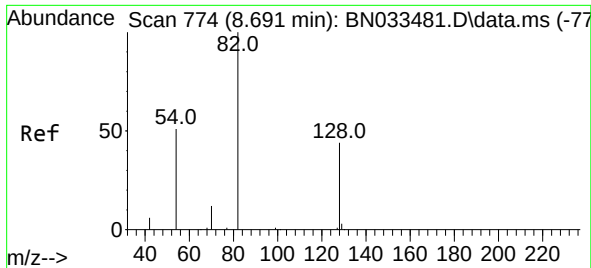
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

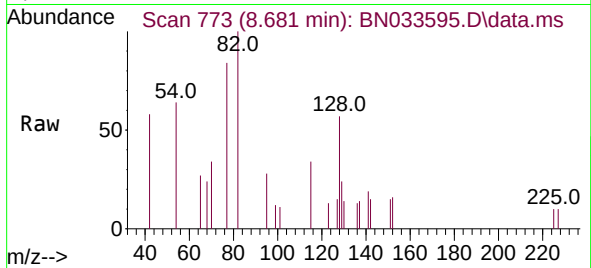
Tgt Ion:136 Resp: 22823
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.0 8.3 12.5
68 6.7 5.9 8.9





#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

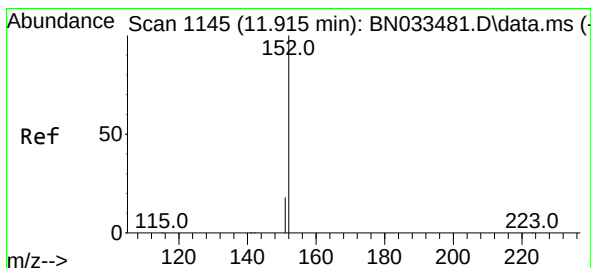
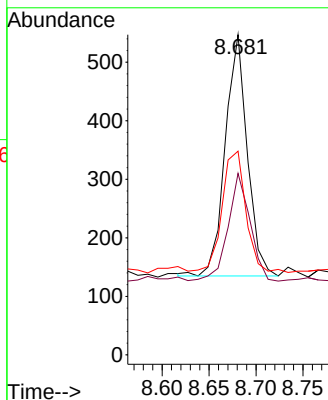
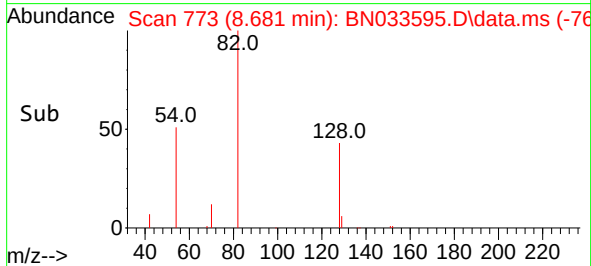
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

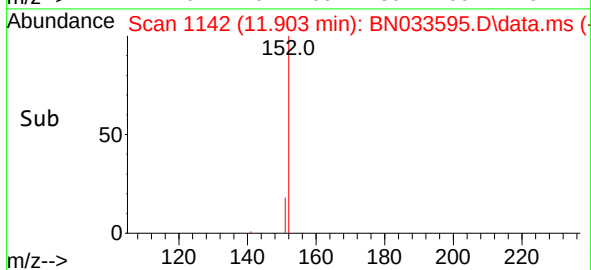
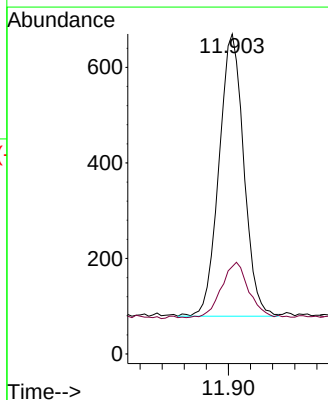
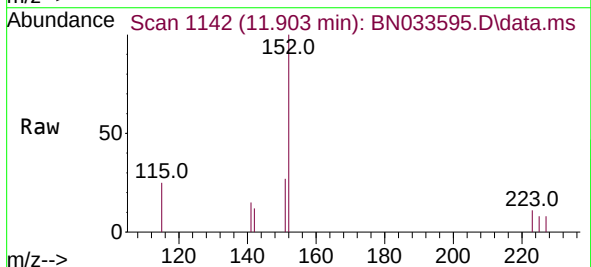
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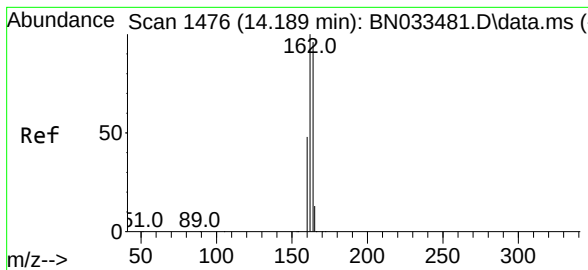
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

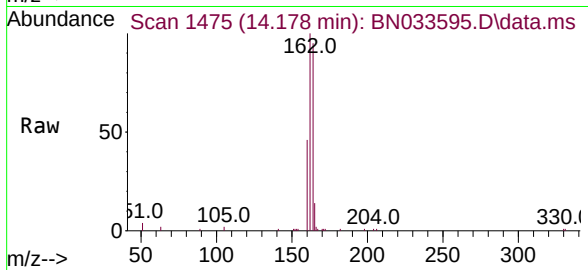
Tgt Ion:152 Resp: 920
Ion Ratio Lower Upper
152 100
151 22.1 16.6 25.0





#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

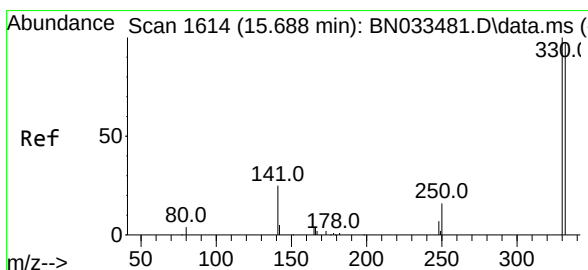
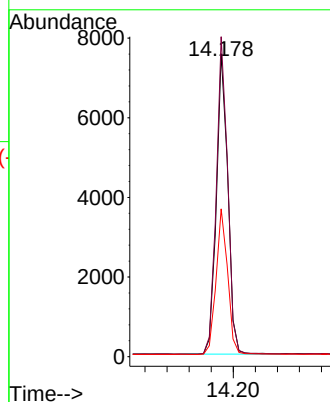
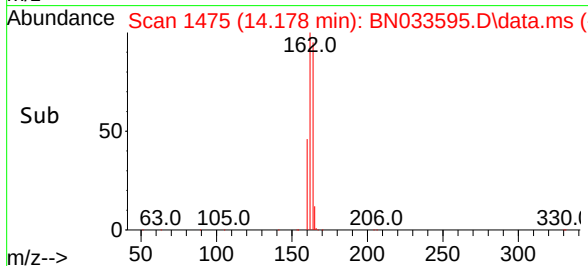
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

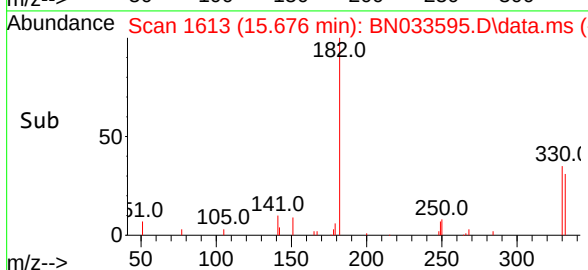
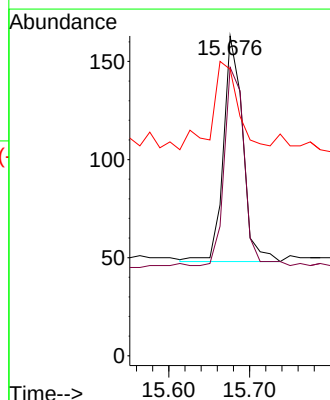
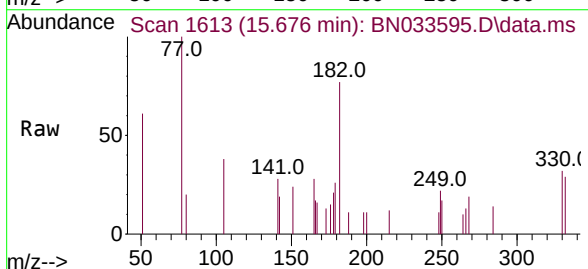
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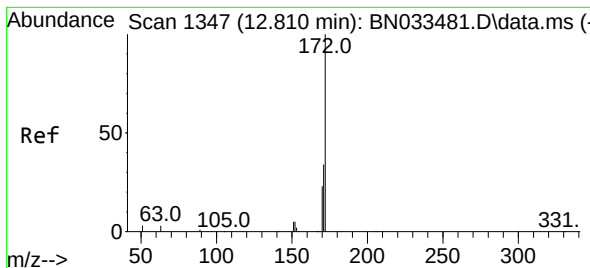
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

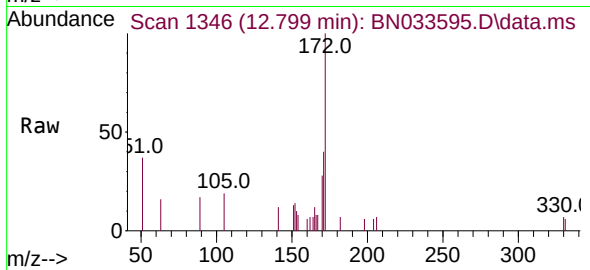
Tgt Ion:330 Resp: 191
Ion Ratio Lower Upper
330 100
332 90.6 77.5 116.3
141 52.4 33.9 50.9#





#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

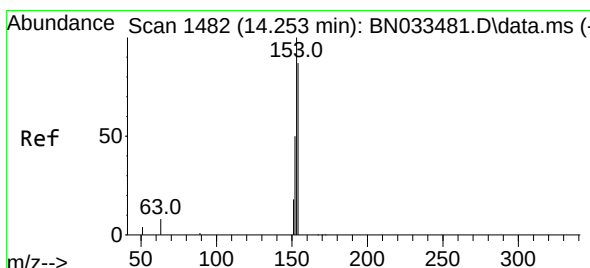
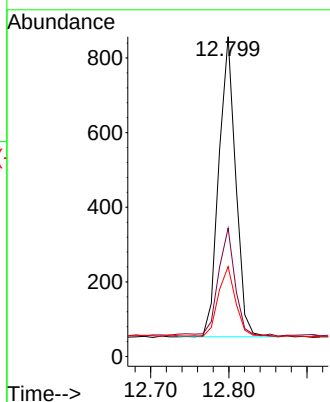
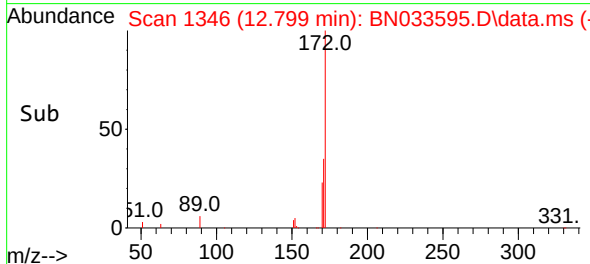
Instrument :
BNA_N
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S-905-KJ-SO-0-0.5-081924DL



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

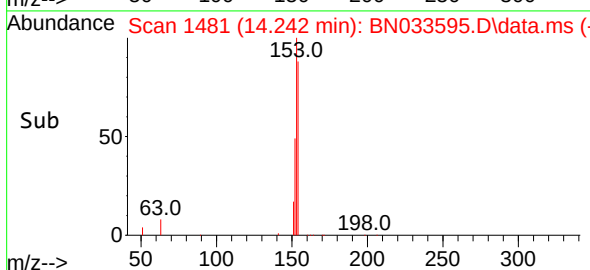
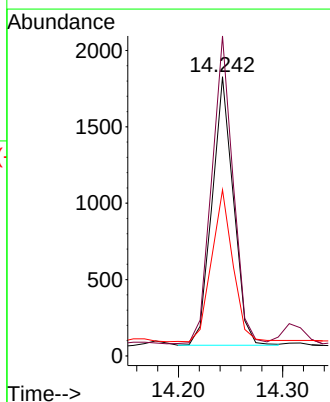
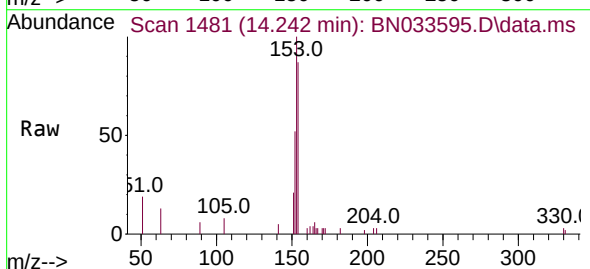
Manual Integrations
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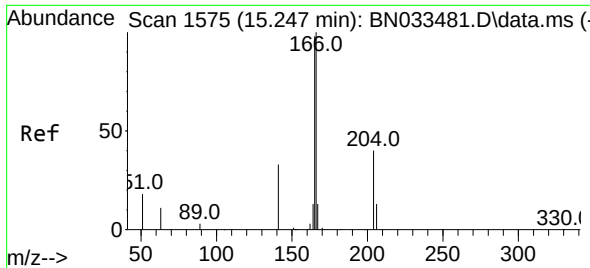
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

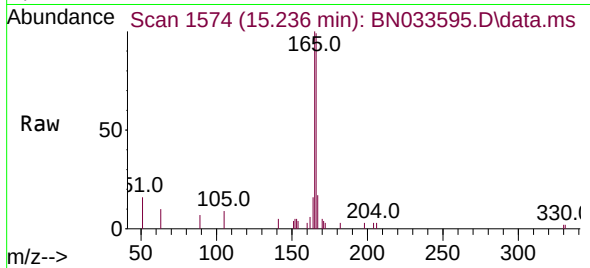
Tgt Ion:154 Resp: 2510
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 56.3 45.2 67.8





#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

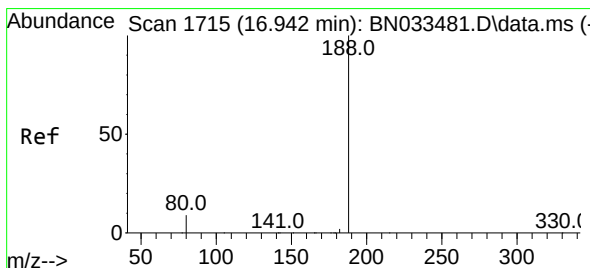
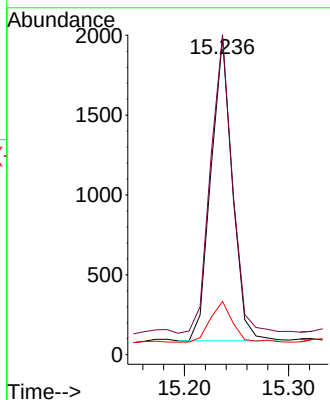
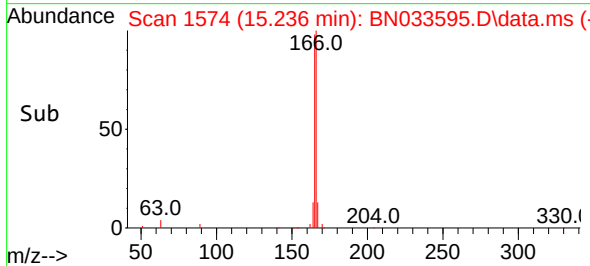
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S-905-KJ-SO-0-0.5-081924DL



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

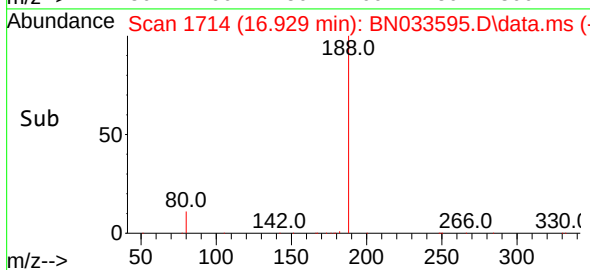
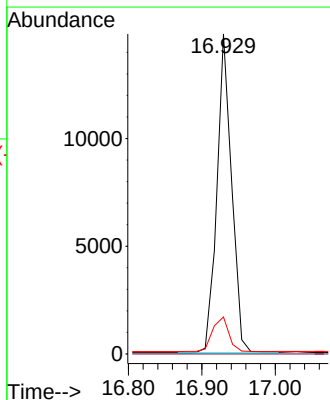
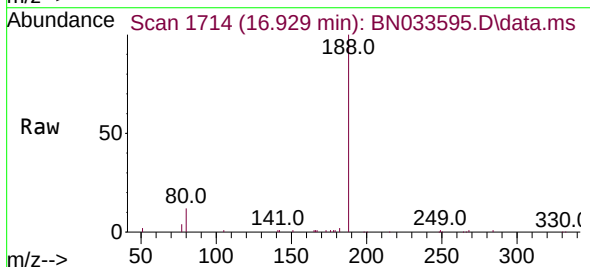
Manual Integrations
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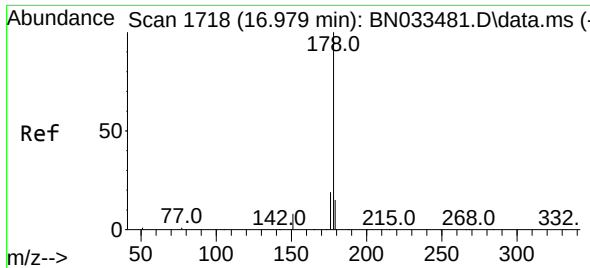
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

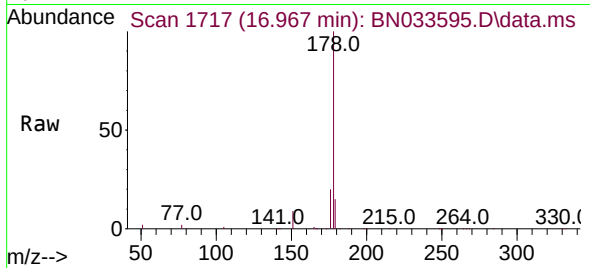
Tgt Ion:188 Resp: 20585
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 7.8 11.8





#25
Phenanthrene
Concen: 0.854 ng
RT: 16.967 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

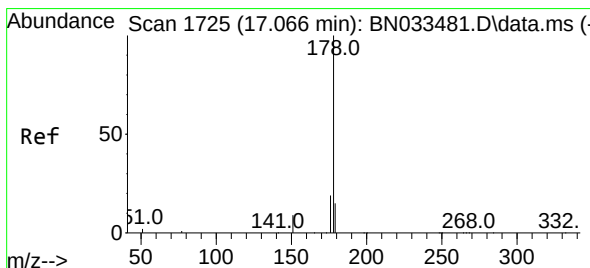
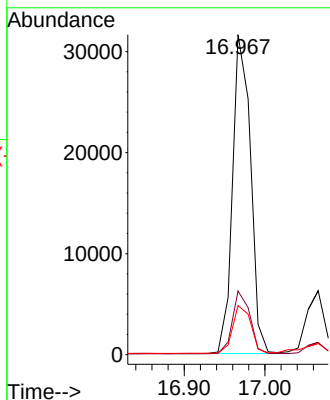
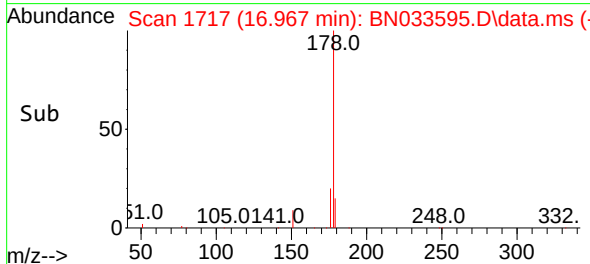
Instrument :
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S-905-KJ-SO-0-0.5-081924DL



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

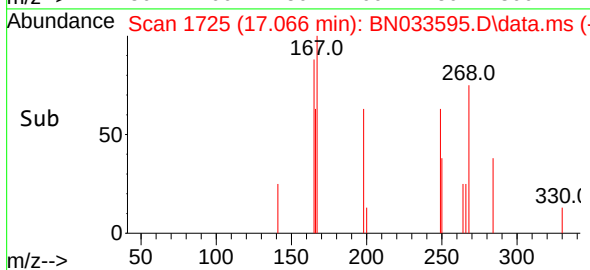
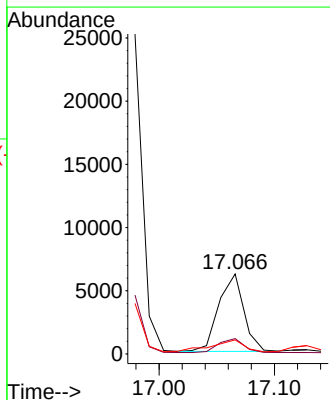
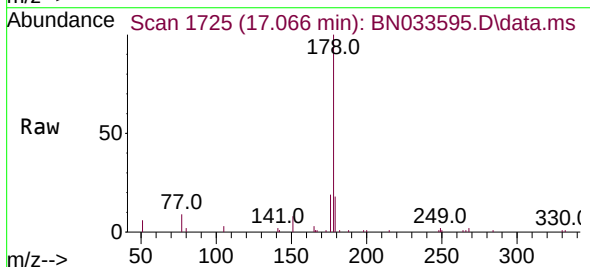
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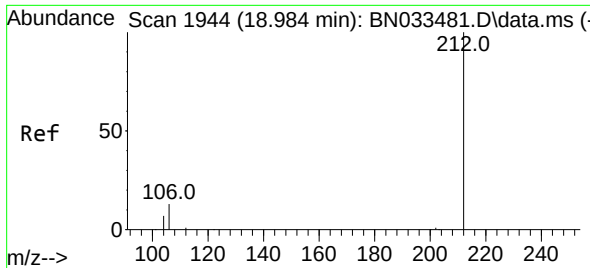
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

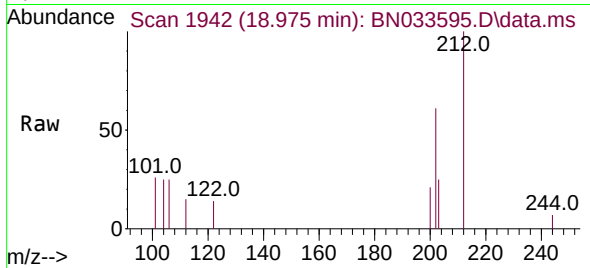
Tgt Ion:178 Resp: 9296
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 19.6 12.4 18.6#





#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

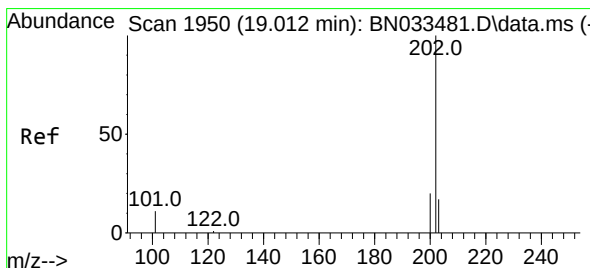
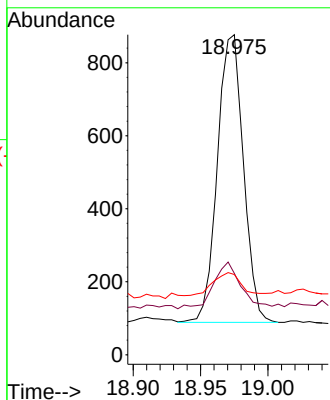
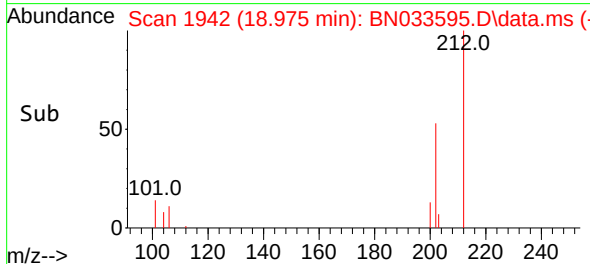
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

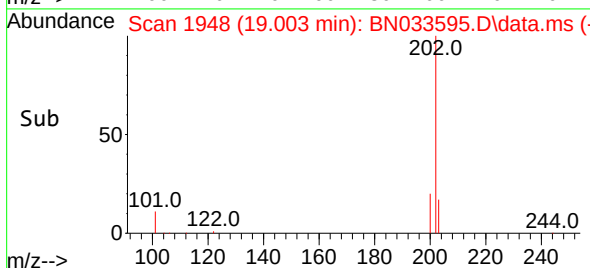
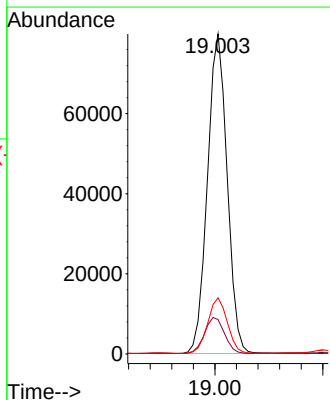
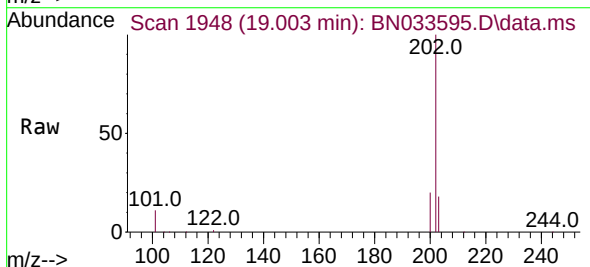
Manual Integrations
APPROVED

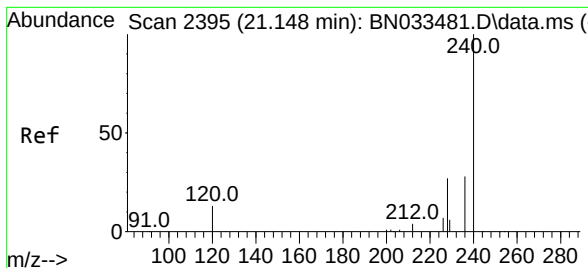
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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# 21

Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

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

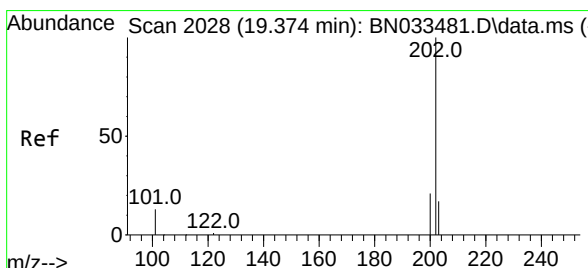
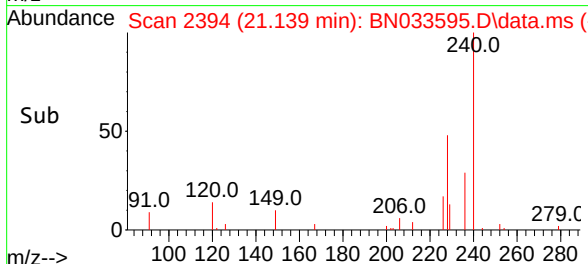
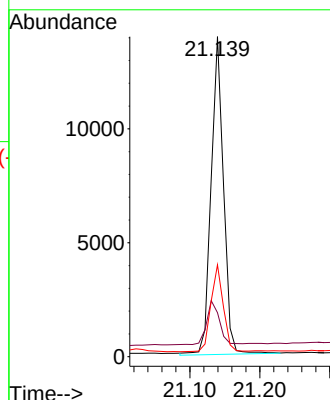
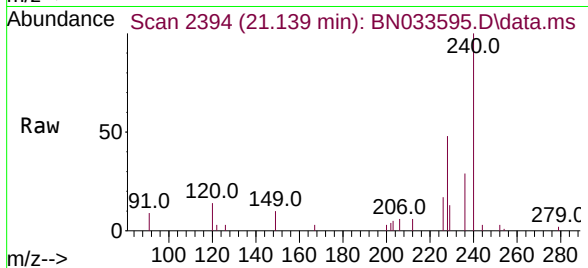
Tgt Ion:240	Resp:	17210
Ion Ratio	Lower	Upper
240	100	
120	13.8	12.4 18.6
236	28.7	23.0 34.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/29/2024



#30

Pyrene

Concen: 1.129 ng

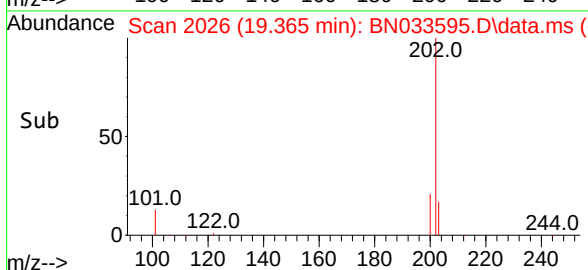
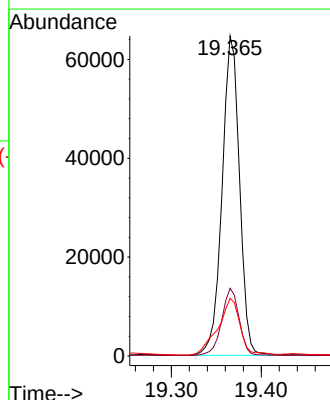
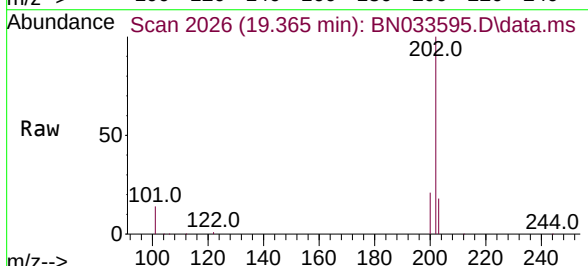
RT: 19.365 min Scan# 2026

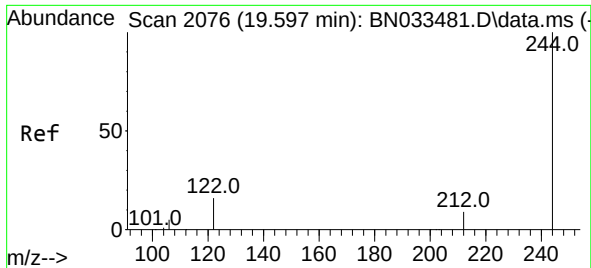
Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

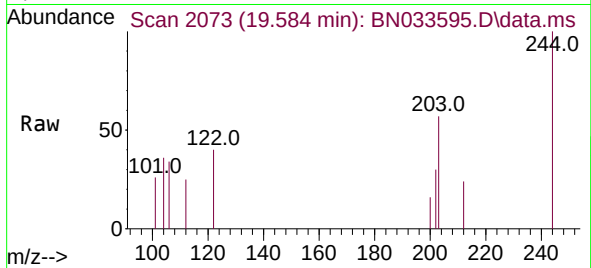
Tgt Ion:202	Resp:	86720
Ion Ratio	Lower	Upper
202	100	
200	21.2	16.6 24.8
203	22.5	14.2 21.4





#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

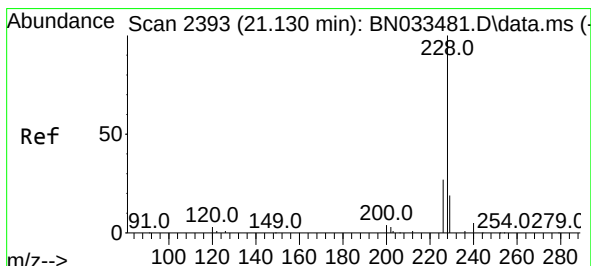
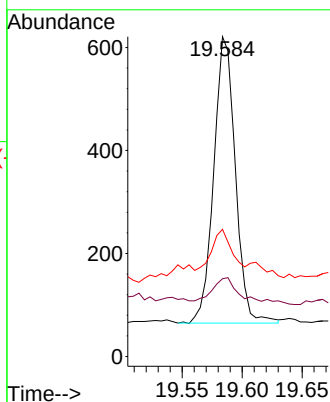
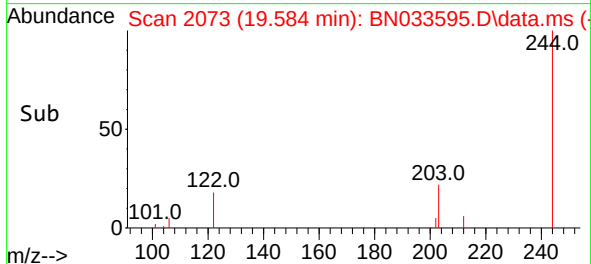
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

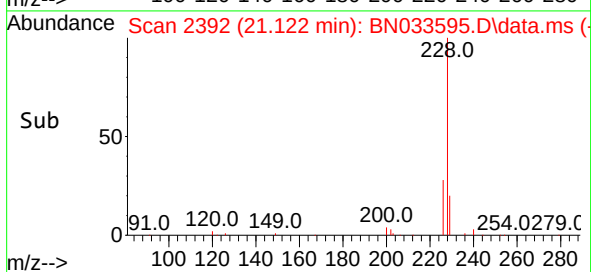
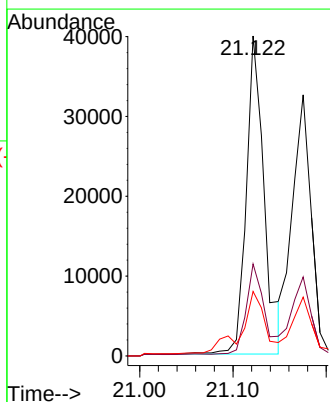
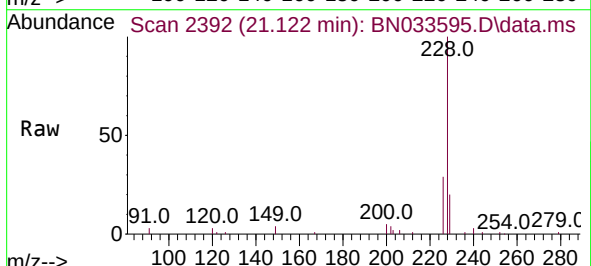
Manual Integrations
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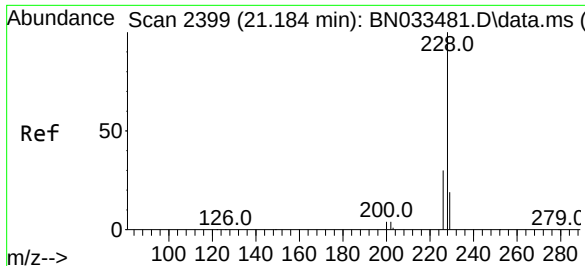
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

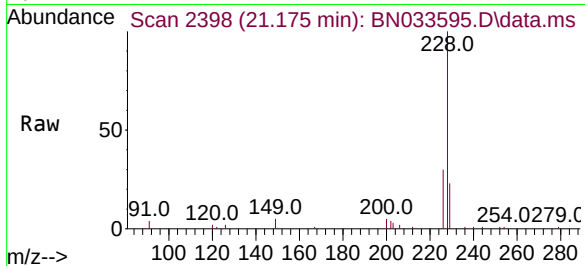
Tgt Ion:228 Resp: 53076
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.6
229 20.2 15.8 23.6





#33
Chrysene
Concen: 0.735 ng
RT: 21.175 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23

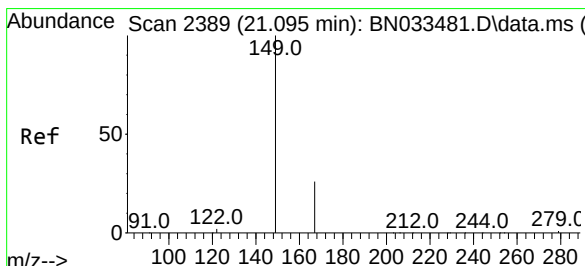
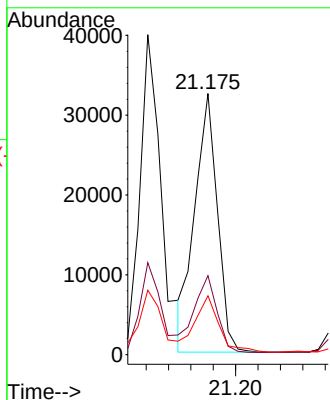
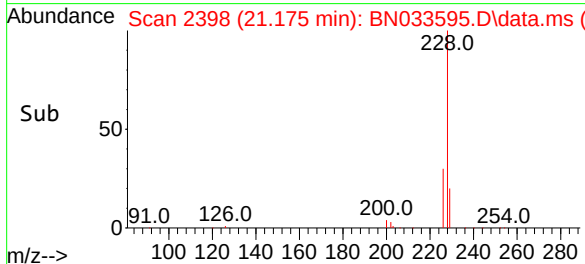
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



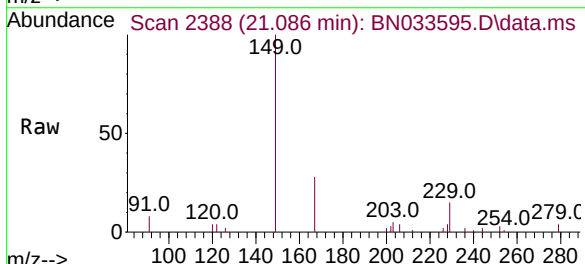
Tgt Ion:228 Resp: 45494
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 22.5 15.6 23.4

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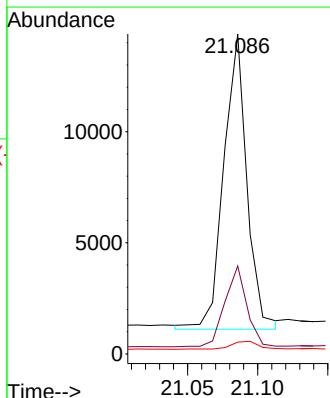
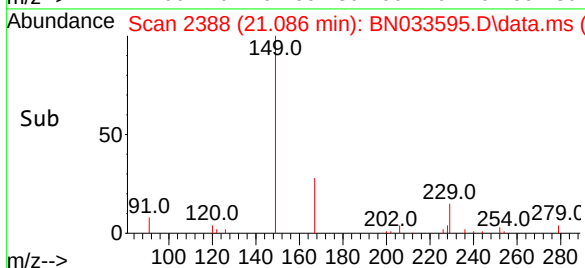
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

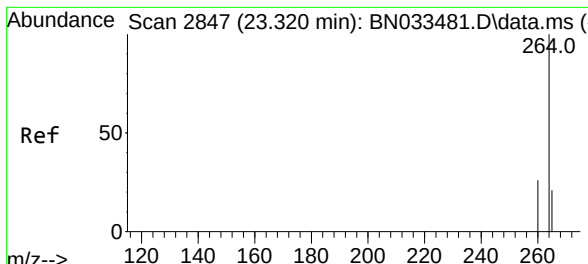


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.386 ng m
RT: 21.086 min Scan# 2388
Delta R.T. 0.000 min
Lab File: BN033595.D
Acq: 23 Aug 2024 18:23



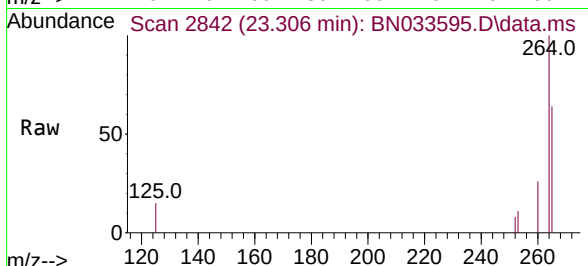
Tgt Ion:149 Resp: 15195
Ion Ratio Lower Upper
149 100
167 29.2 21.5 32.3
279 4.3 2.2 3.2#





#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

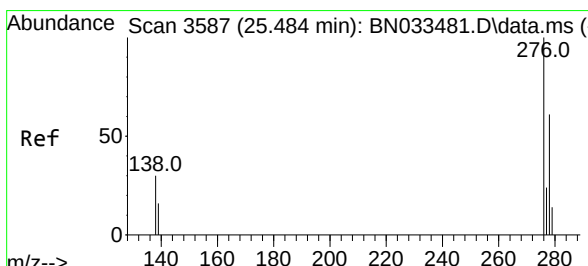
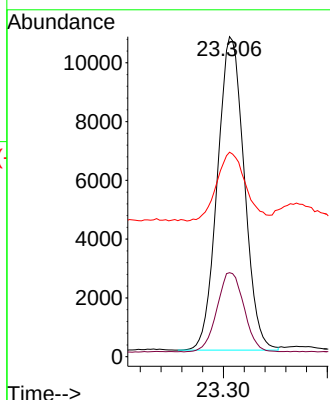
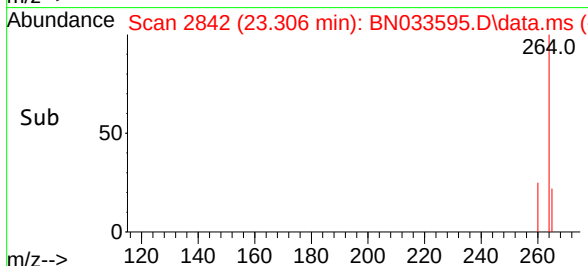
Instrument :
 BNA_N
 ClientSampleId :
 S-905-KJ-SO-0-0.5-081924DL



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

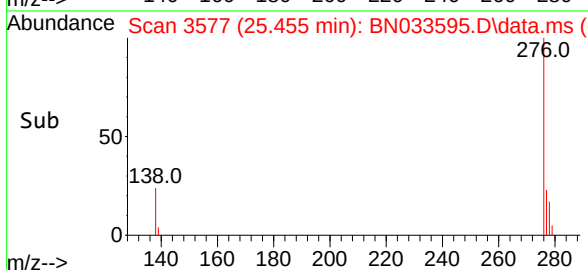
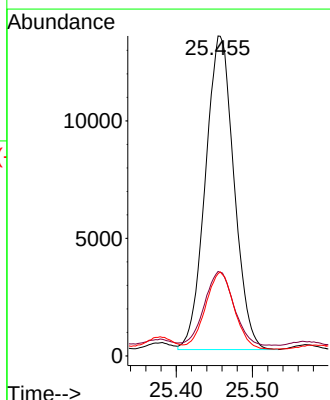
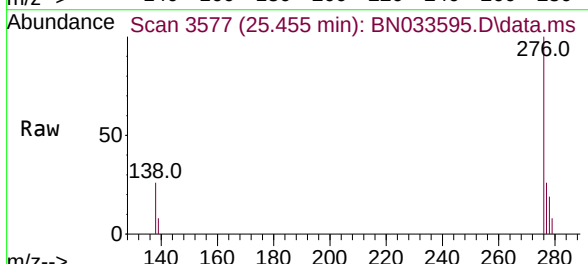
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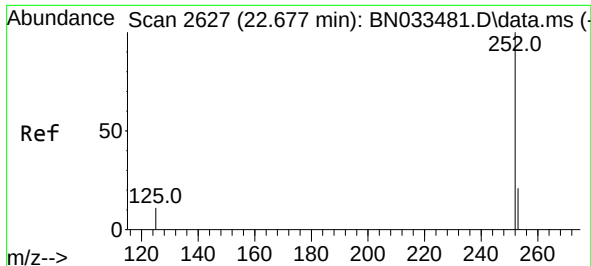
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#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

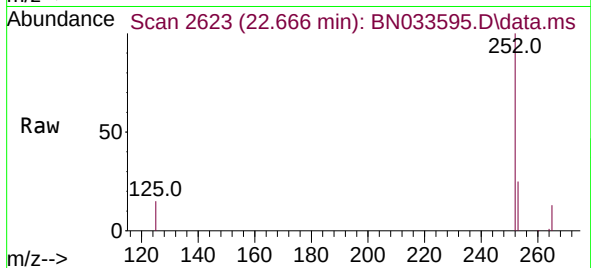
Acq: 23 Aug 2024 18:23

Instrument :

BNA_N

ClientSampleId :

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



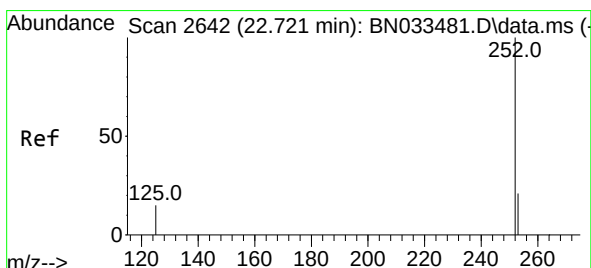
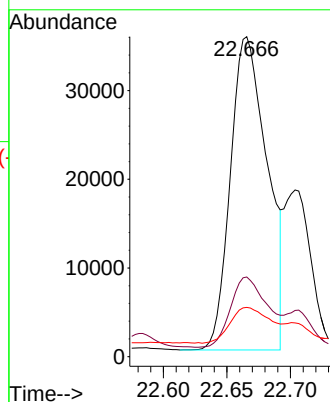
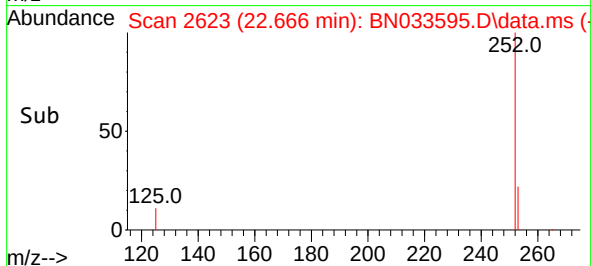
Tgt Ion:252	Resp:	7124
Ion Ratio	Lower	Upper
252	100	
253	24.9	19.8 29.8
125	15.4	13.9 20.9

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

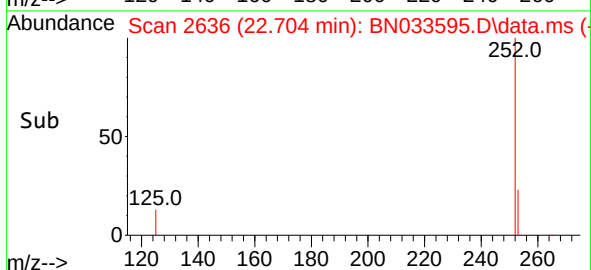
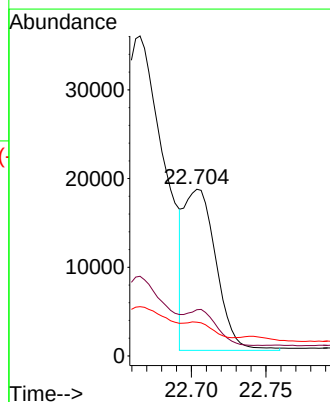
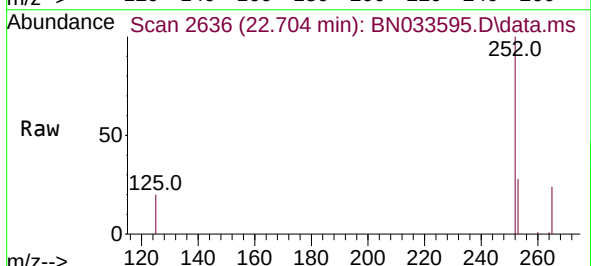
RT: 22.704 min Scan# 2636

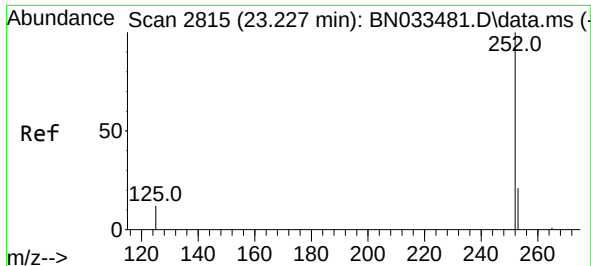
Delta R.T. 0.000 min

Lab File: BN033595.D

Acq: 23 Aug 2024 18:23

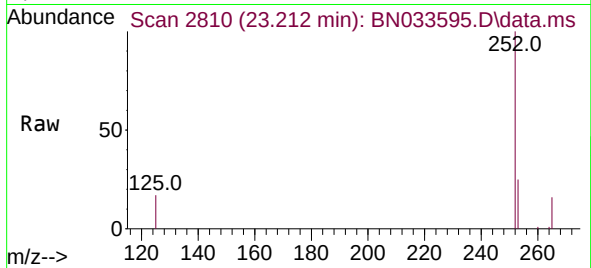
Tgt Ion:252	Resp:	27080
Ion Ratio	Lower	Upper
252	100	
253	27.8	19.8 29.8
125	20.2	15.8 23.8





#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

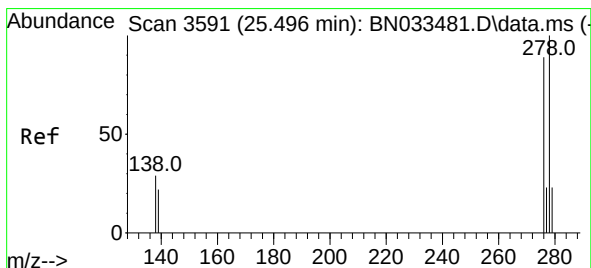
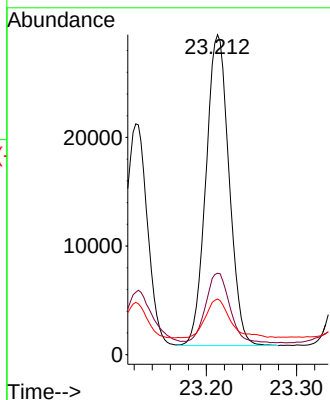
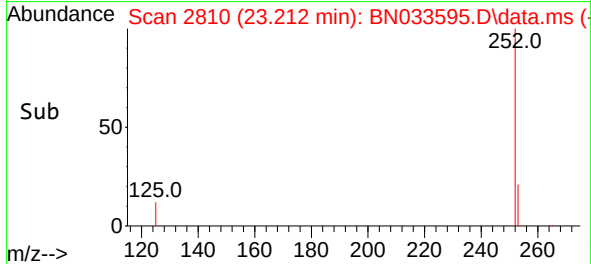
Instrument :
BNA_N
ClientSampleId :
S-905-KJ-SO-0-0.5-081924DL



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

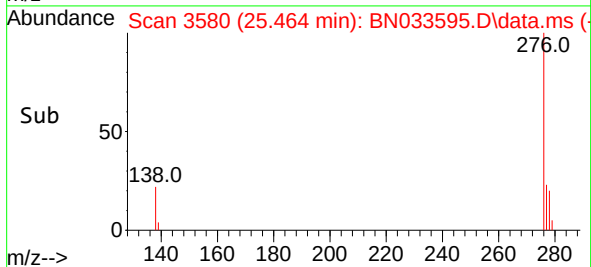
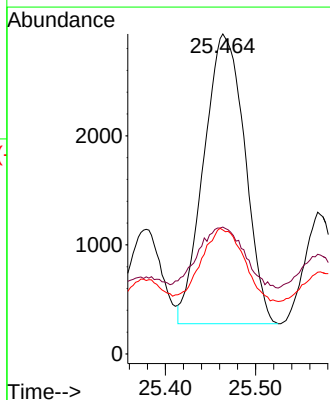
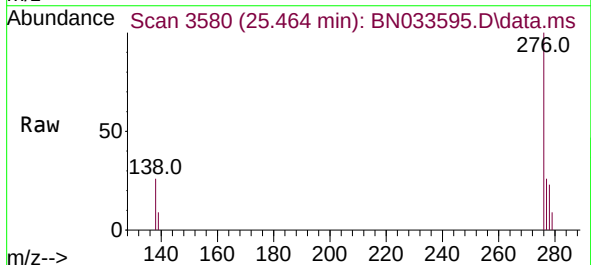
Manual Integrations
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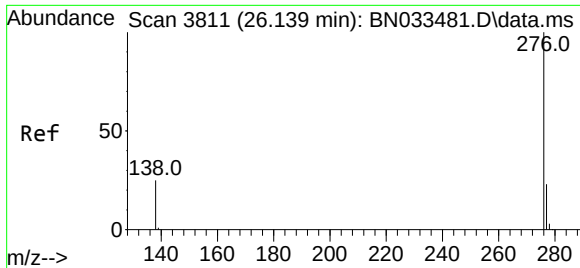
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#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

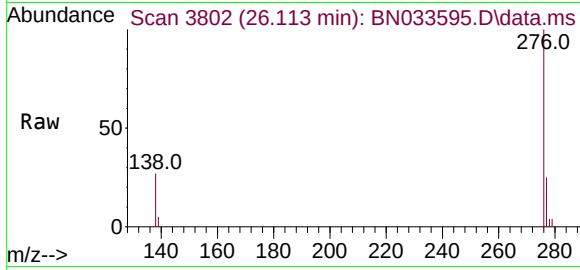
Tgt Ion:278 Resp: 8366
Ion Ratio Lower Upper
278 100
139 39.6 19.1 28.7#
279 38.8 21.0 31.4#





#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-KJ-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

