

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033535.D
 Acq On : 21 Aug 2024 10:04
 Operator : MA/JU
 Sample : P3643-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 921-J-SD-0.5-1-081524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 10:49:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	10294	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	27191	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	12637	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	23917	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	17698	0.400	ng	0.00
35) Perylene-d12	23.312	264	19491	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4054	0.124	ng	0.00
5) Phenol-d6	6.736	99	4927	0.127	ng	0.00
8) Nitrobenzene-d5	8.681	82	3164	0.140	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	5076	0.130	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	708	0.104	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	7083	0.137	ng	-0.01
27) Fluoranthene-d10	18.975	212	6767	0.118	ng	0.00
31) Terphenyl-d14	19.588	244	4293	0.107	ng	0.00
Target Compounds						Qvalue
17) Acenaphthene	14.242	154	824	0.021	ng	88
18) Fluorene	15.236	166	1003	0.020	ng	# 89
25) Phenanthrene	16.967	178	7399	0.111	ng	100
26) Anthracene	17.066	178	1484	0.025	ng	# 92
28) Fluoranthene	19.003	202	14645	0.199	ng	99
30) Pyrene	19.370	202	13847	0.175	ng	# 95
32) Benzo(a)anthracene	21.130	228	7196	0.112	ng	# 93
33) Chrysene	21.175	228	7172	0.113	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.086	149	1171m	0.029	ng	
36) Indeno(1,2,3-cd)pyrene	25.461	276	5016	0.062	ng	96
37) Benzo(b)fluoranthene	22.666	252	10447	0.144	ng	# 74
38) Benzo(k)fluoranthene	22.709	252	3755m	0.052	ng	
39) Benzo(a)pyrene	23.215	252	7190	0.119	ng	# 73
41) Benzo(g,h,i)perylene	26.110	276	5535	0.080	ng	# 86

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

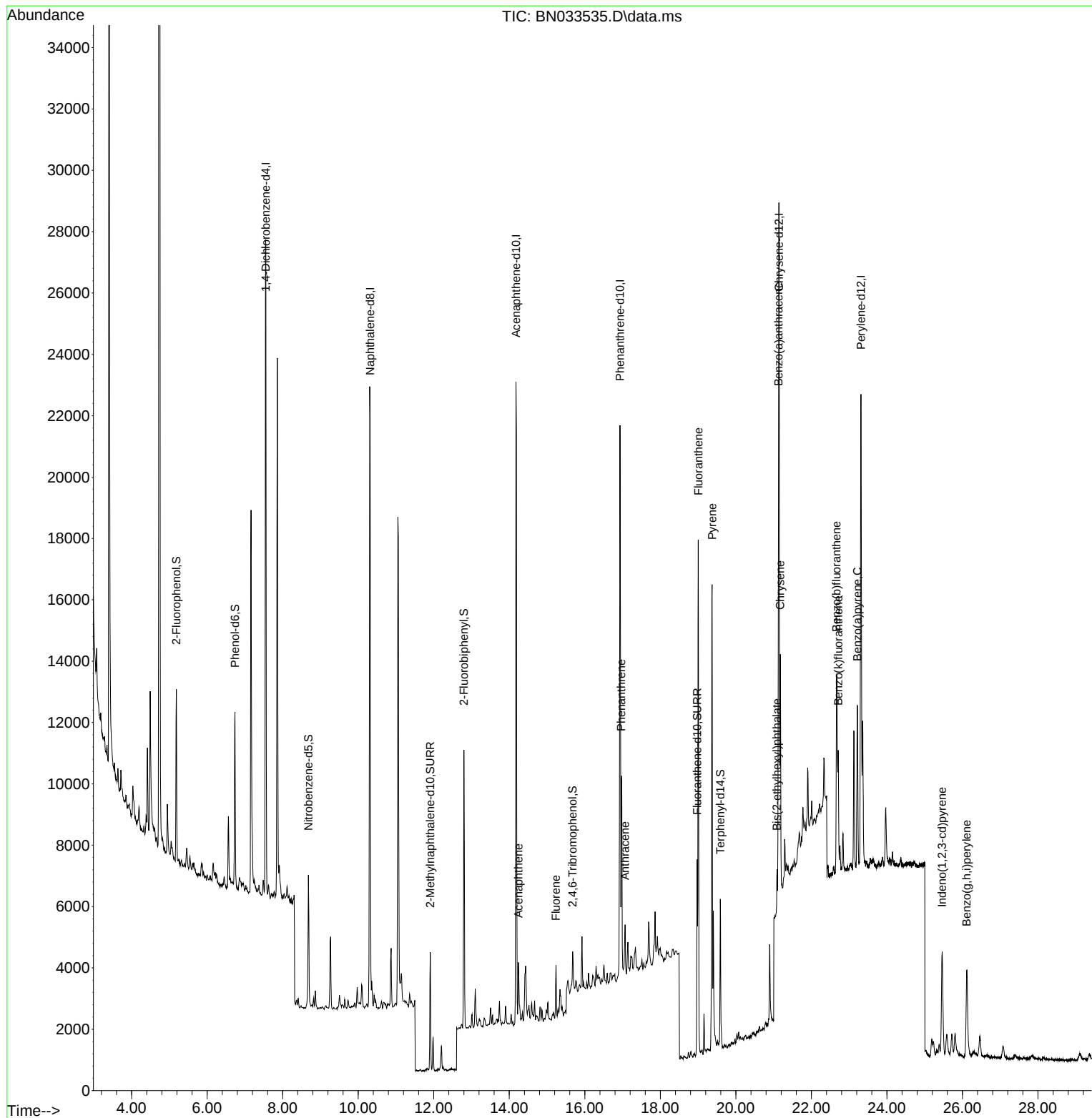
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
Data File : BN033535.D
Acq On : 21 Aug 2024 10:04
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Sample : P3643-12
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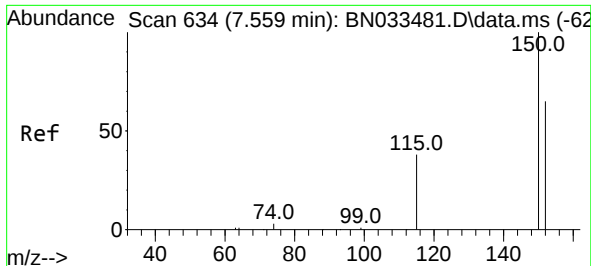
Instrument :
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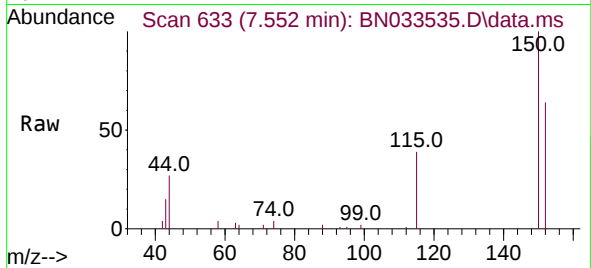
Quant Time: Aug 21 10:49:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

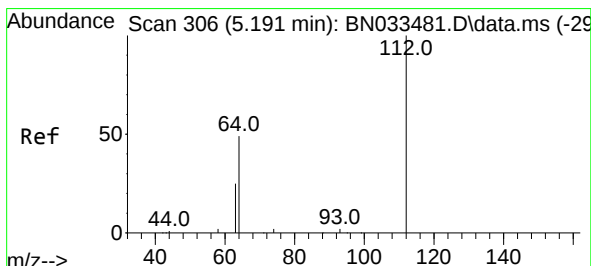
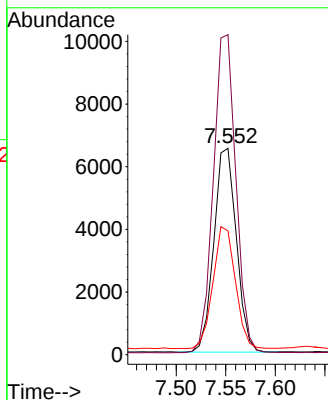
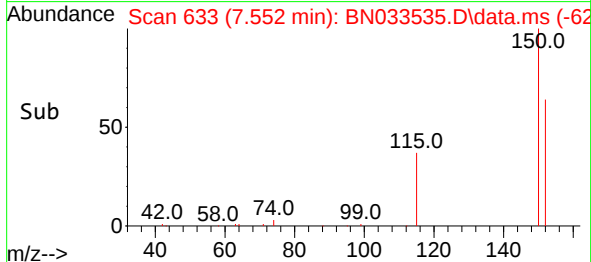
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:152 Resp: 10294
Ion Ratio Lower Upper
152 100
150 155.1 122.2 183.2
115 60.0 47.2 70.8

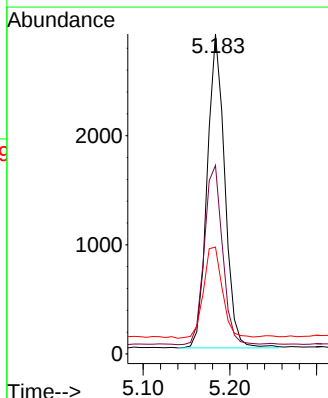
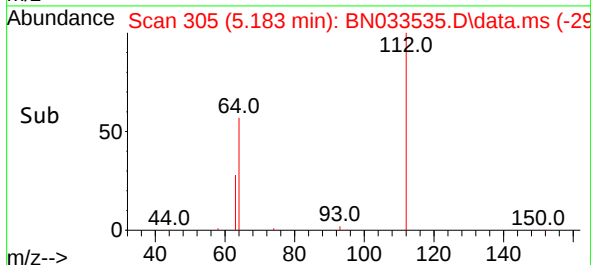
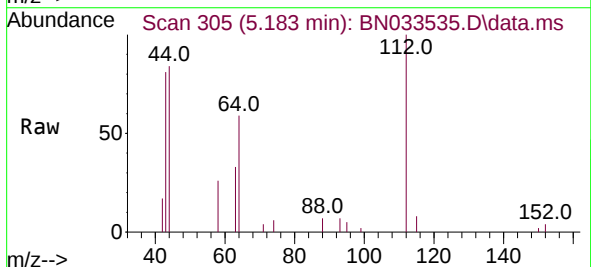
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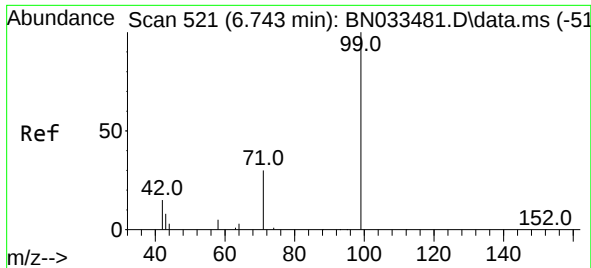
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#4
2-Fluorophenol
Concen: 0.124 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

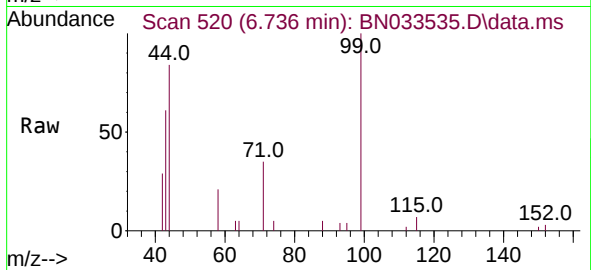
Tgt Ion:112 Resp: 4054
Ion Ratio Lower Upper
112 100
64 59.0 47.1 70.7
63 31.4 24.9 37.3





#5
Phenol-d6
Concen: 0.127 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

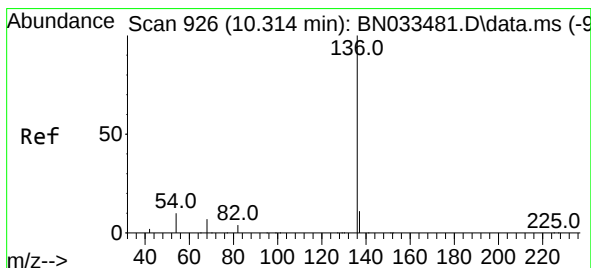
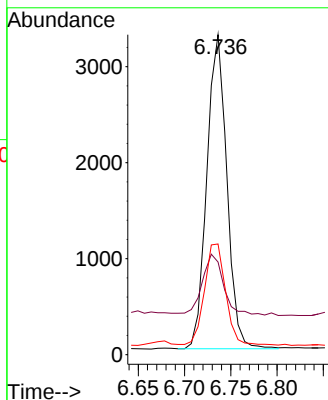
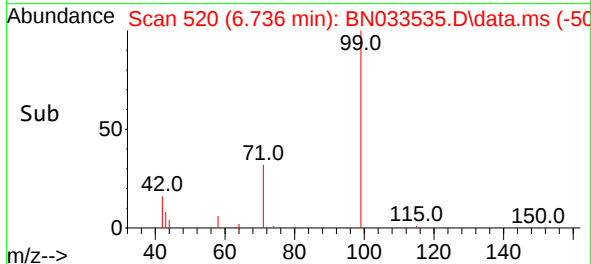
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion: 99 Resp: 492
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 34.1 26.2 39.4

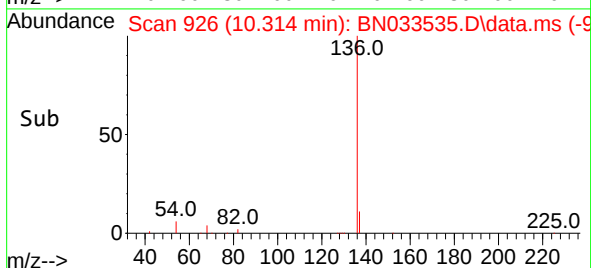
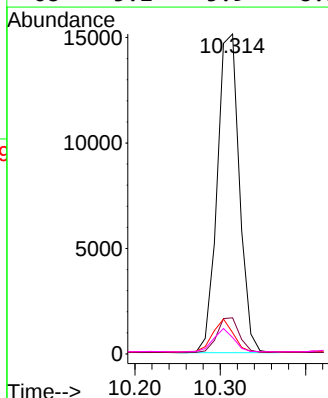
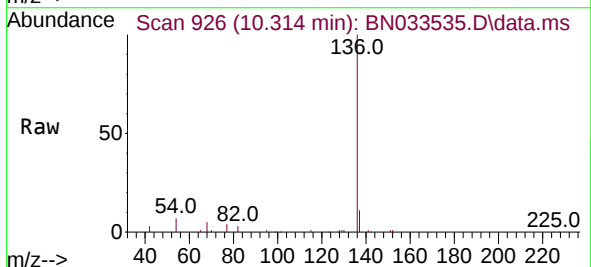
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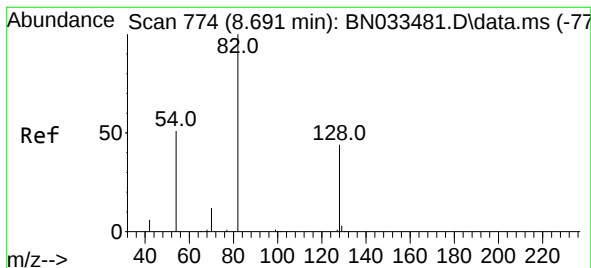
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. 0.000 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

Tgt Ion:136 Resp: 27191
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 6.6 8.3 12.5#
68 5.2 5.9 8.9#





#8

Nitrobenzene-d5

Concen: 0.140 ng

RT: 8.681 min Scan# 71

Delta R.T. -0.011 min

Lab File: BN033535.D

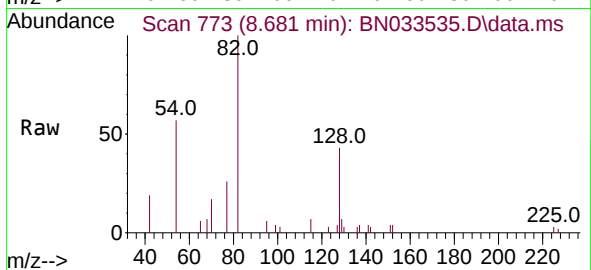
Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :

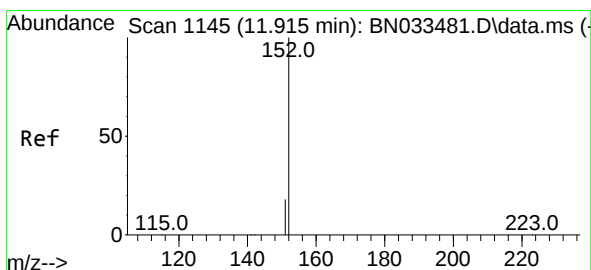
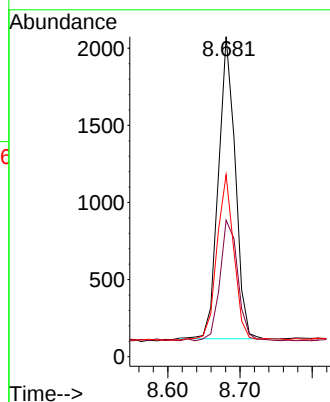
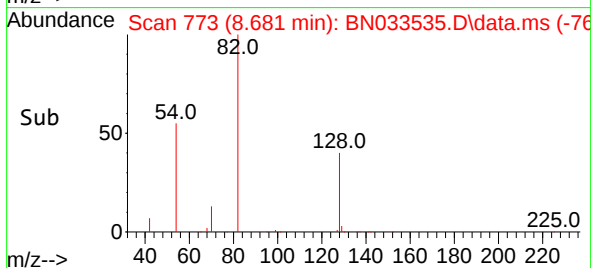
921-J-SD-0.5-1-081524



Tgt Ion:	82	Resp:	3164
Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.0	54.0
54	56.9	42.0	63.0

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#11

2-Methylnaphthalene-d10

Concen: 0.130 ng

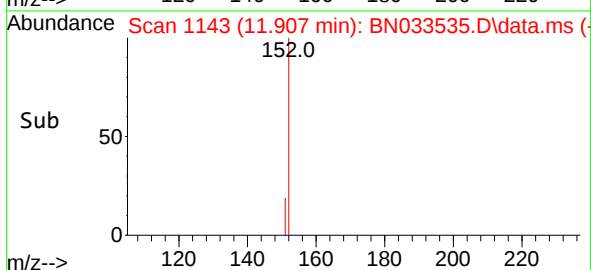
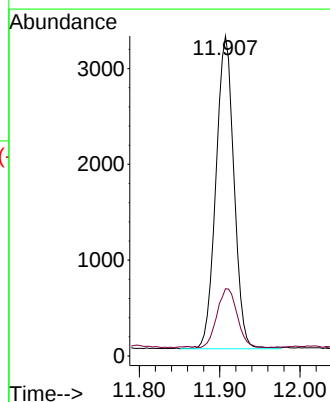
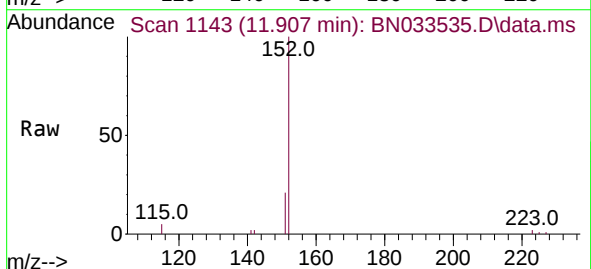
RT: 11.907 min Scan# 1143

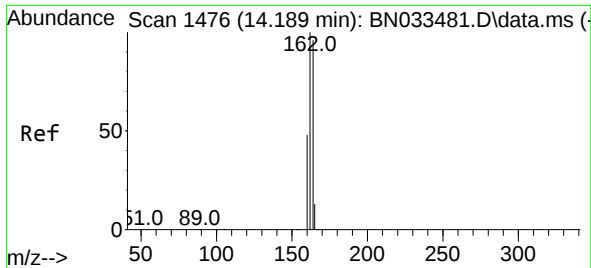
Delta R.T. -0.007 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

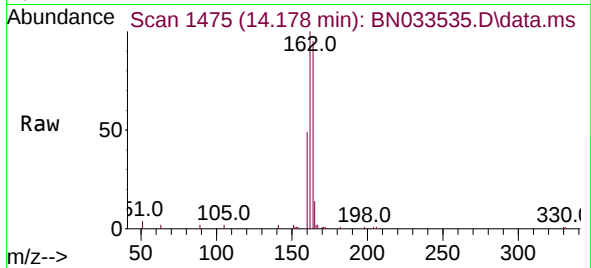
Tgt Ion:	152	Resp:	5076
Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.6	25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.011 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

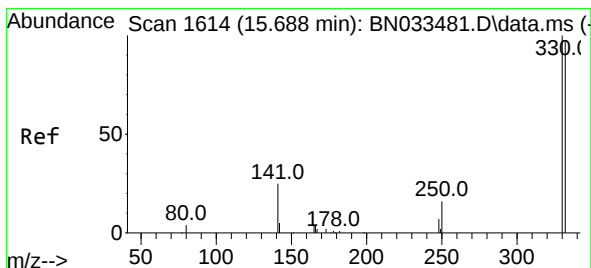
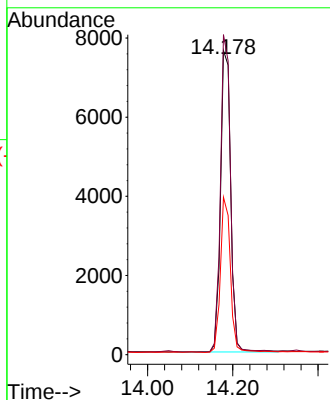
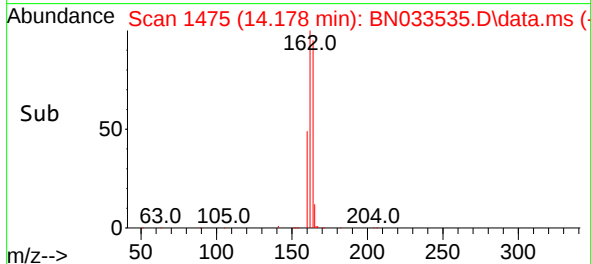
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



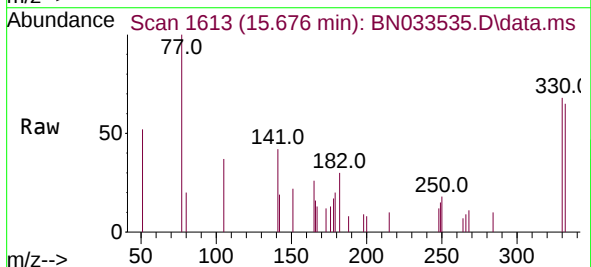
Tgt Ion:164 Resp: 1263
Ion Ratio Lower Upper
164 100
162 105.2 83.5 125.3
160 51.8 40.2 60.4

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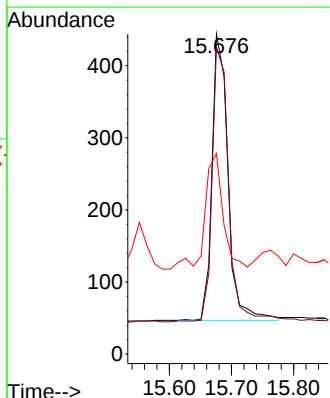
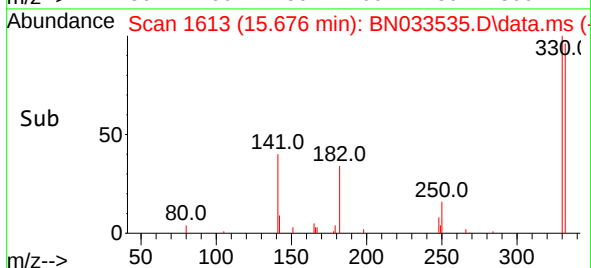
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

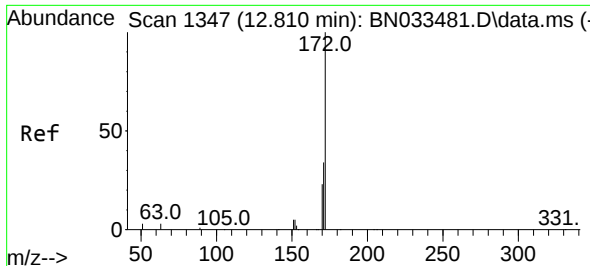


#14
2,4,6-Tribromophenol
Concen: 0.104 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04



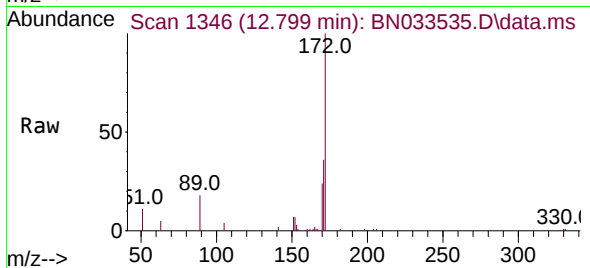
Tgt Ion:330 Resp: 708
Ion Ratio Lower Upper
330 100
332 99.3 77.5 116.3
141 45.6 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.137 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

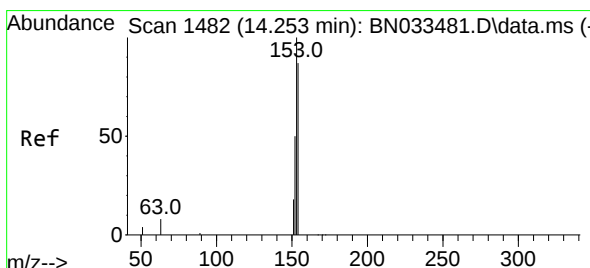
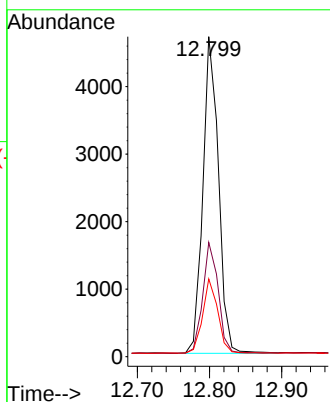
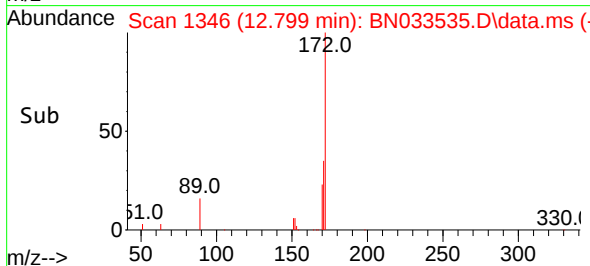
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:172 Resp: 708
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 24.3 18.3 27.5

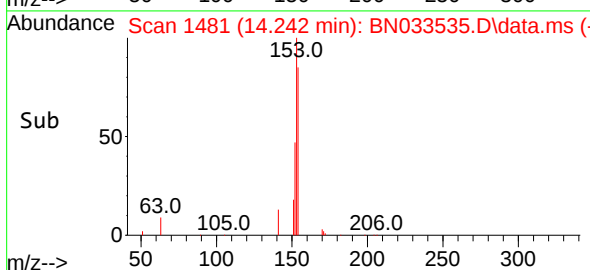
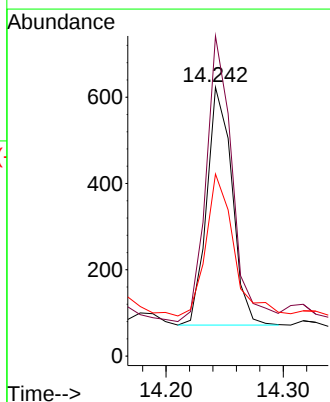
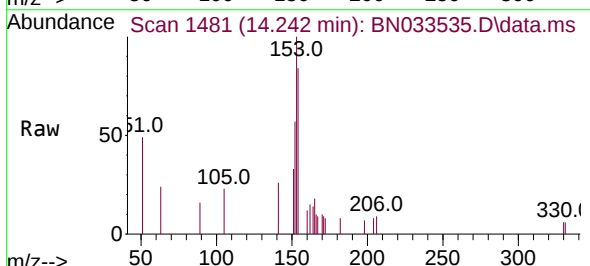
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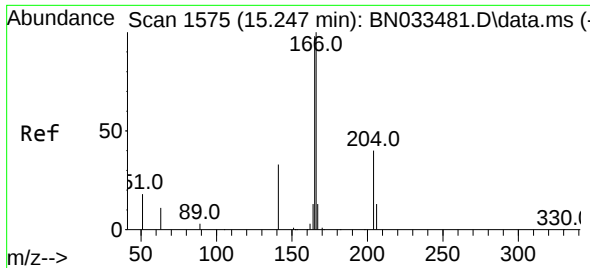
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#17
Acenaphthene
Concen: 0.021 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

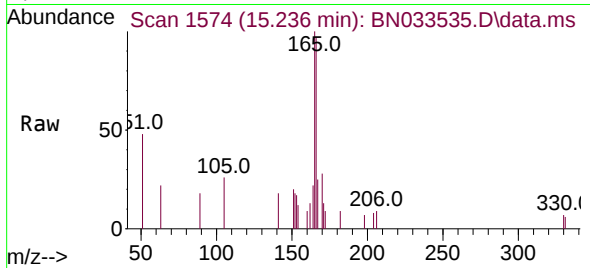
Tgt Ion:154 Resp: 824
Ion Ratio Lower Upper
154 100
153 124.2 89.0 133.6
152 65.7 45.2 67.8





#18
Fluorene
Concen: 0.020 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

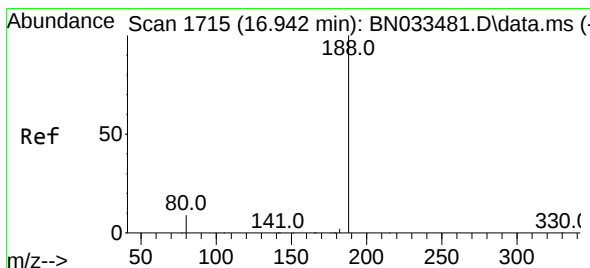
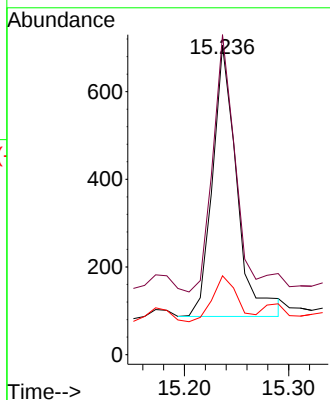
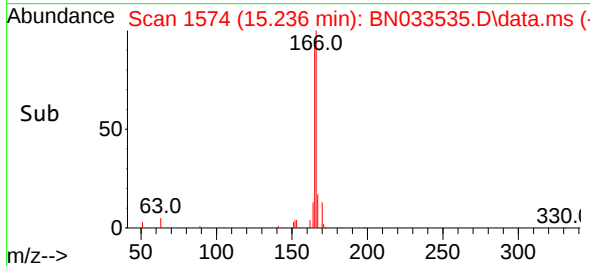
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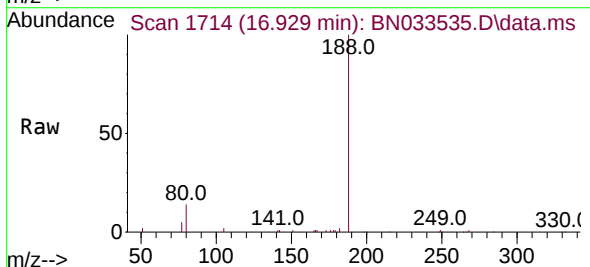
Tgt Ion:166 Resp: 100
Ion Ratio Lower Upper
166 100
165 87.2 78.2 117.4
167 17.6 10.6 16.0

Manual Integrations
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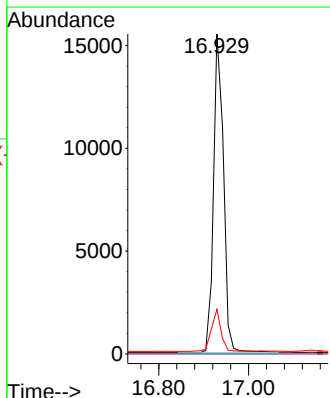
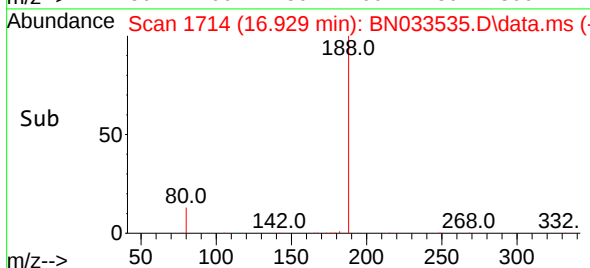
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

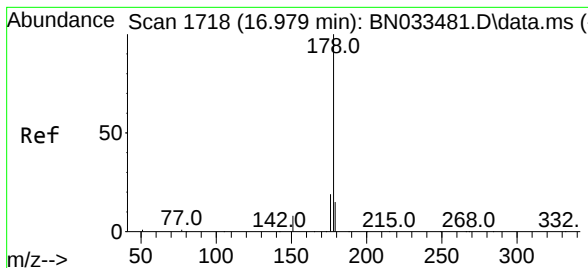


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04



Tgt Ion:188 Resp: 23917
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.0 7.8 11.8





#25

Phenanthrene

Concen: 0.111 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.012 min

Lab File: BN033535.D

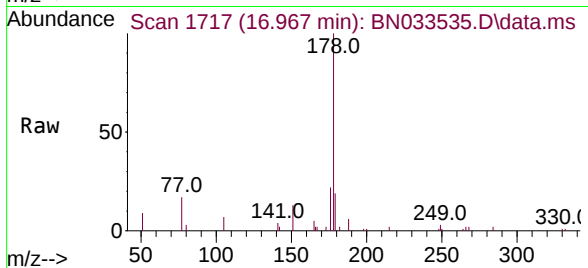
Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :

921-J-SD-0.5-1-081524



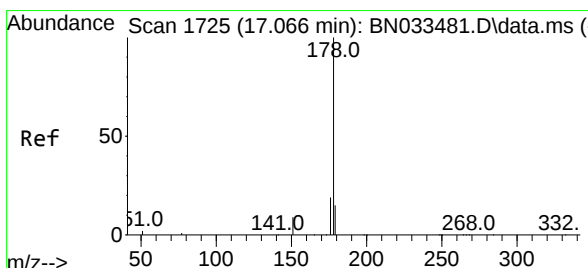
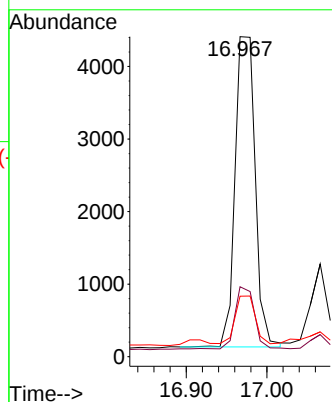
Tgt Ion:178	Resp:	7399
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.3 22.9
179	15.2	12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#26

Anthracene

Concen: 0.025 ng

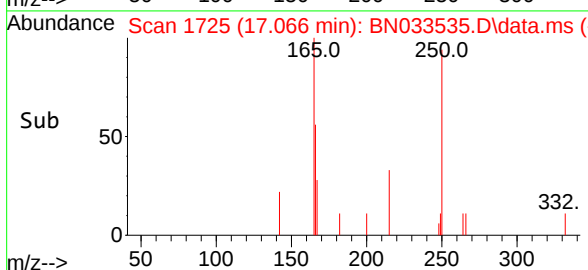
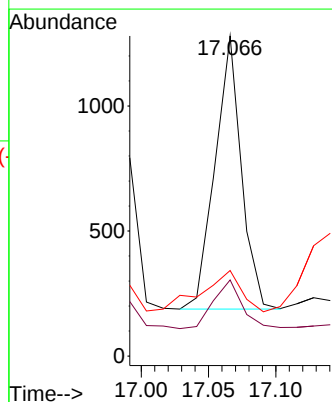
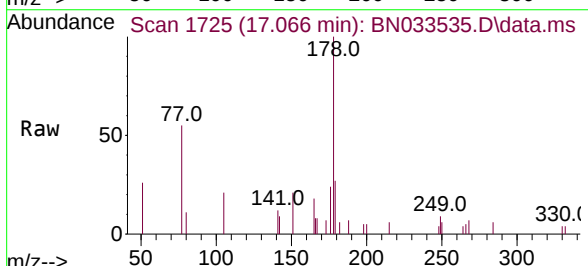
RT: 17.066 min Scan# 1725

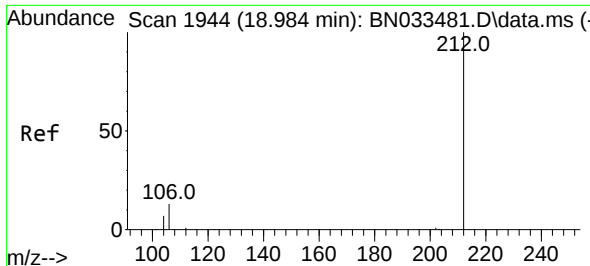
Delta R.T. 0.000 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

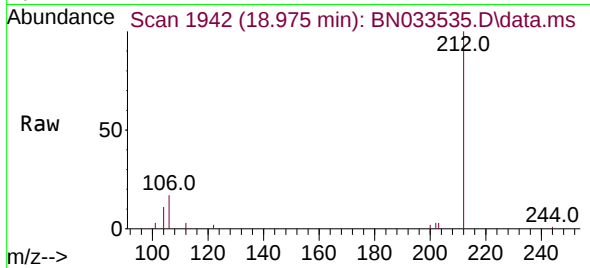
Tgt Ion:178	Resp:	1484
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.0 22.6
179	22.4	12.4 18.6





#27
Fluoranthene-d10
Concen: 0.118 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

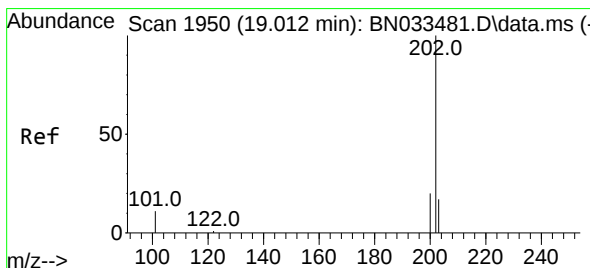
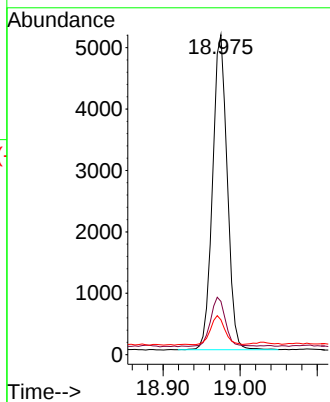
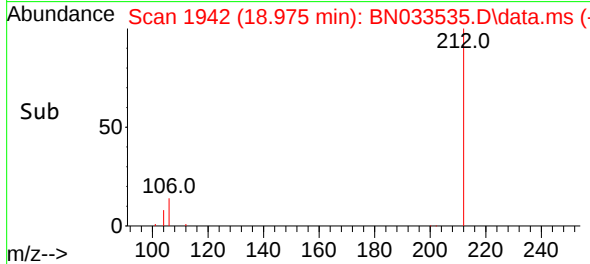
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



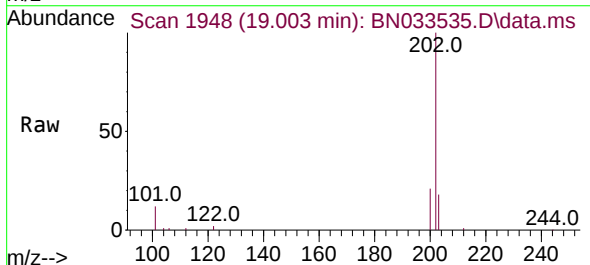
Tgt Ion:212 Resp: 676
Ion Ratio Lower Upper
212 100
106 16.1 12.3 18.5
104 8.9 7.0 10.4

Manual Integrations
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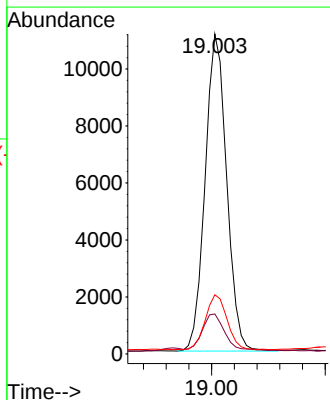
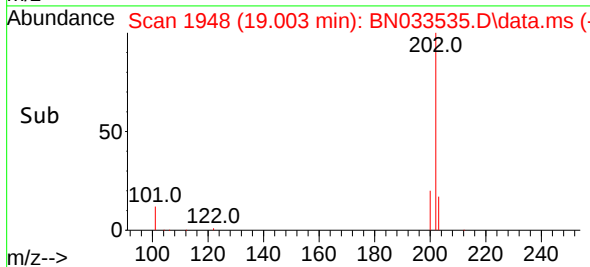
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

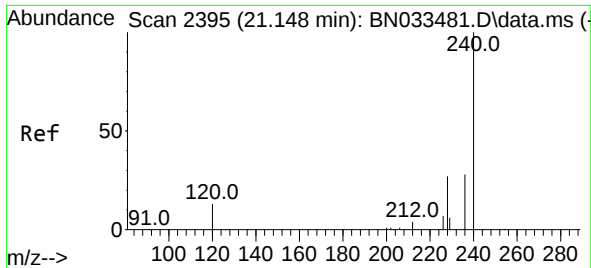


#28
Fluoranthene
Concen: 0.199 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04



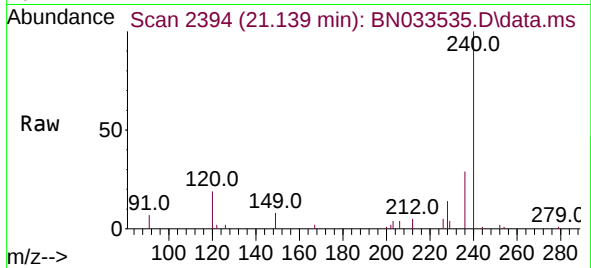
Tgt Ion:202 Resp: 14645
Ion Ratio Lower Upper
202 100
101 12.4 9.5 14.3
203 17.4 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

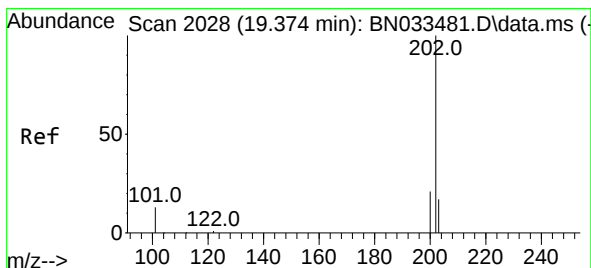
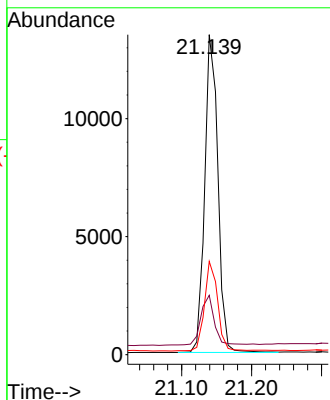
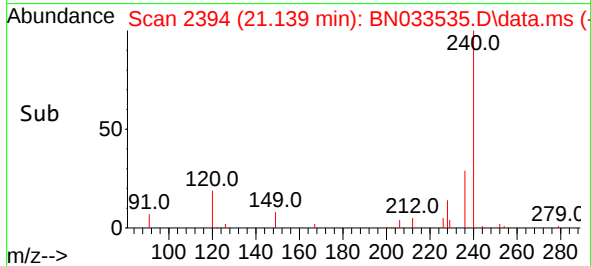
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:240 Resp: 17698
Ion Ratio Lower Upper
240 100
120 18.6 12.4 18.6
236 29.2 23.0 34.6

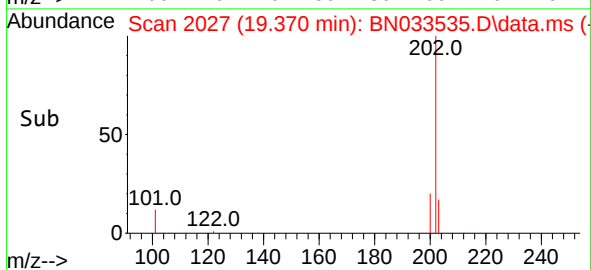
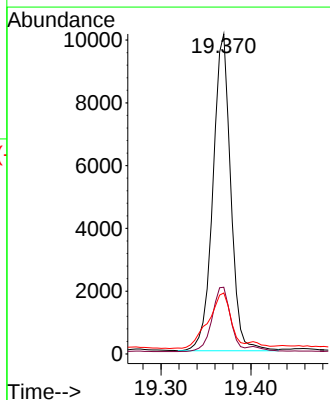
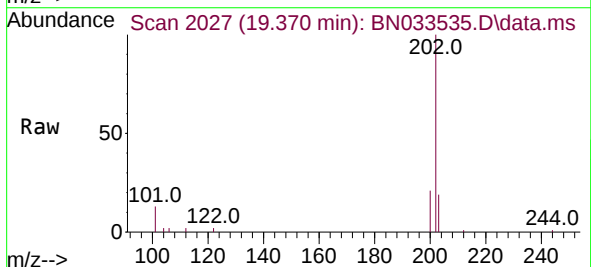
Manual Integrations
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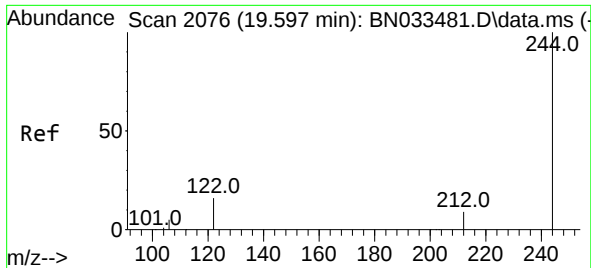
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#30
Pyrene
Concen: 0.175 ng
RT: 19.370 min Scan# 2027
Delta R.T. -0.005 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

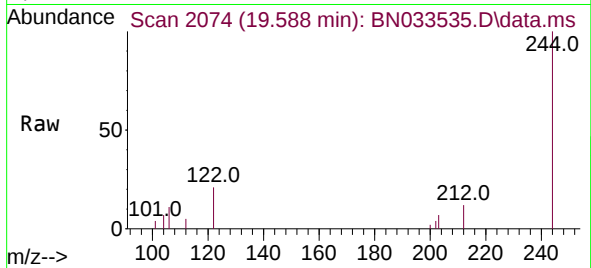
Tgt Ion:202 Resp: 13847
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.4 14.2 21.4#





#31
Terphenyl-d14
Concen: 0.107 ng
RT: 19.588 min Scan# 2076
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

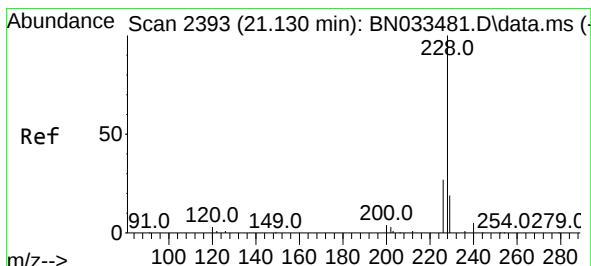
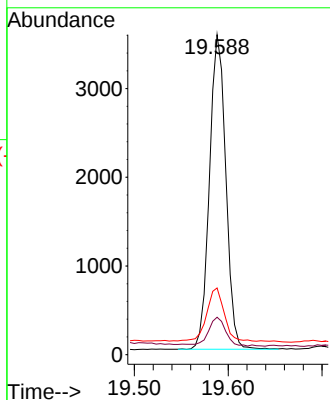
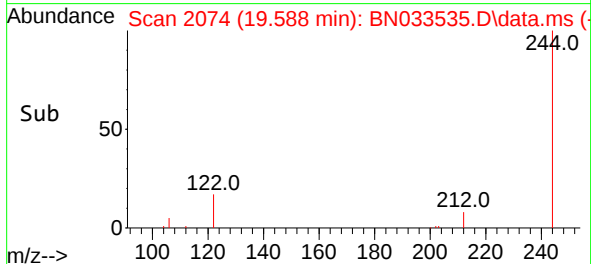
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:244 Resp: 429
Ion Ratio Lower Upper
244 100
212 11.7 7.8 11.6
122 20.9 13.3 19.9

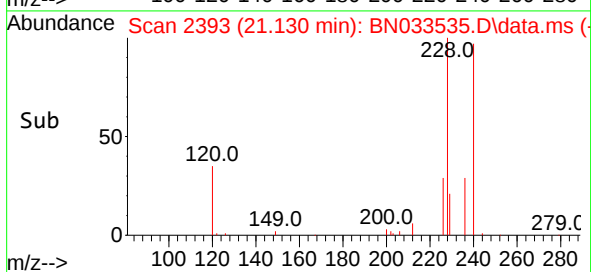
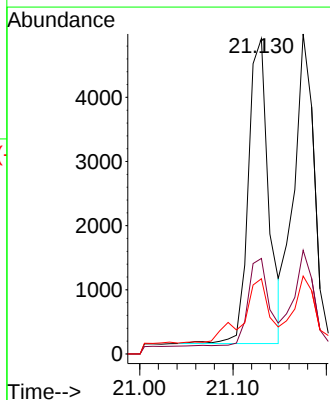
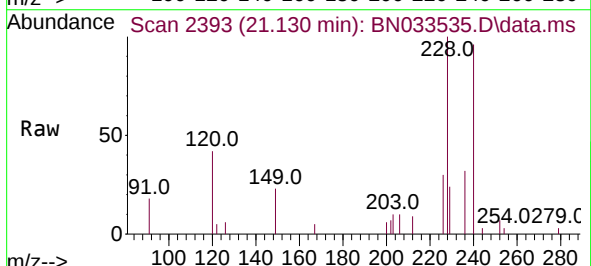
Manual Integrations
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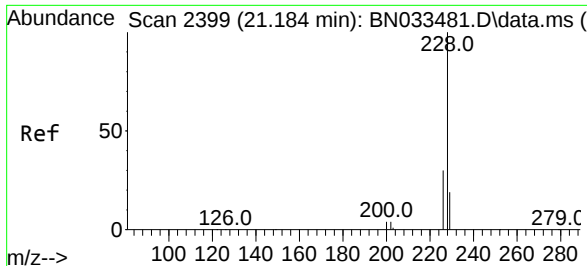
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#32
Benzo(a)anthracene
Concen: 0.112 ng
RT: 21.130 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

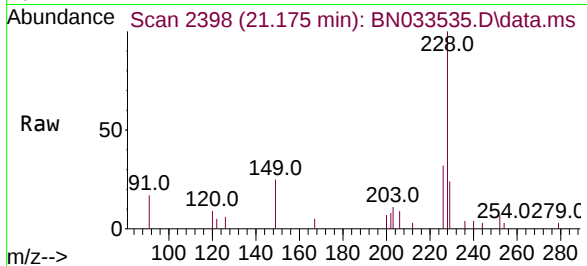
Tgt Ion:228 Resp: 7196
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.6
229 23.8 15.8 23.6





#33
Chrysene
Concen: 0.113 ng
RT: 21.175 min Scan# 2117
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

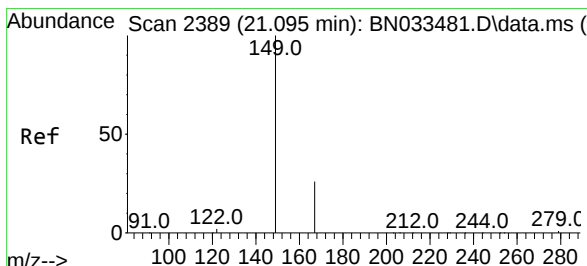
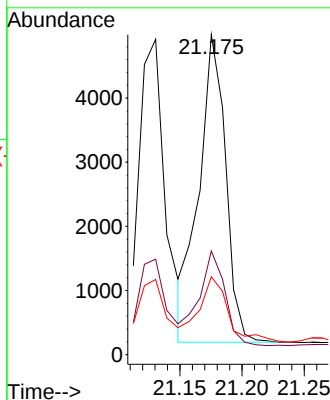
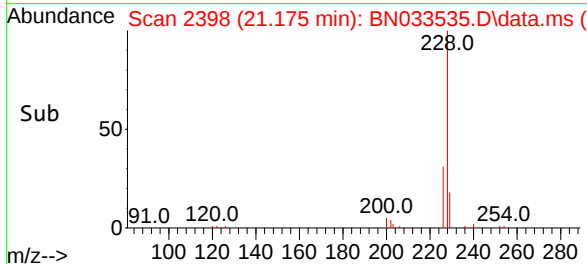
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:228 Resp: 7172
Ion Ratio Lower Upper
228 100
226 32.4 23.8 35.8
229 24.4 15.6 23.4

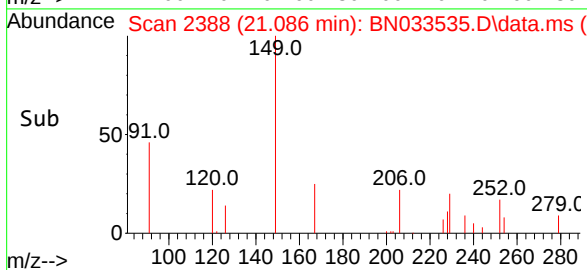
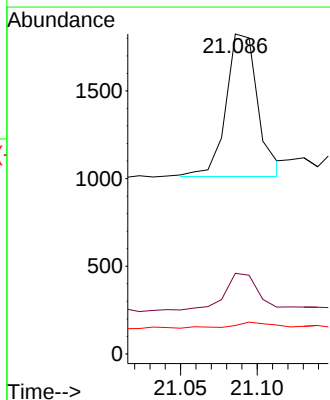
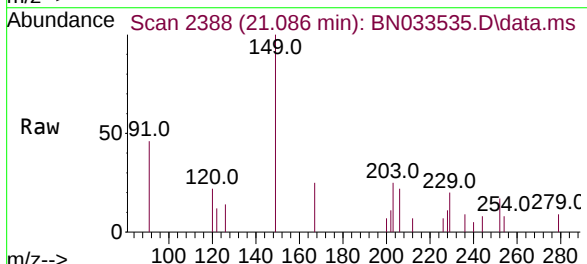
Manual Integrations
APPROVED

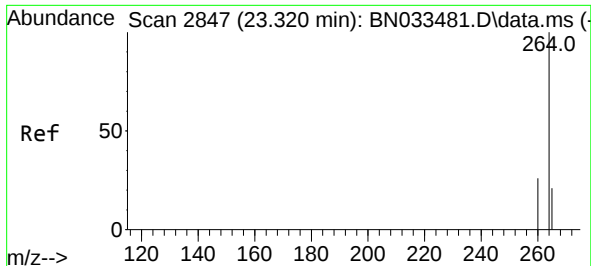
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.029 ng m
RT: 21.086 min Scan# 2388
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

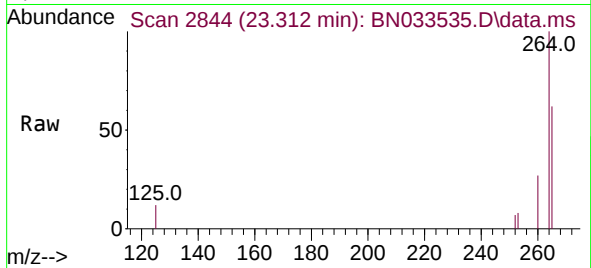
Tgt Ion:149 Resp: 1171
Ion Ratio Lower Upper
149 100
167 58.6 21.5 32.3#
279 0.0 2.2 3.2#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.312 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

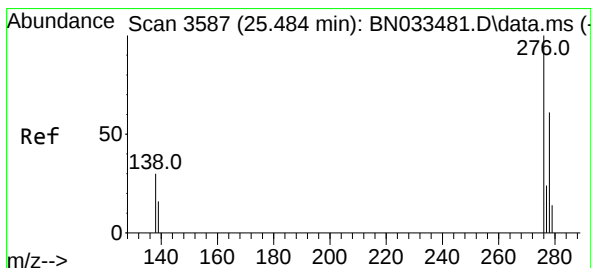
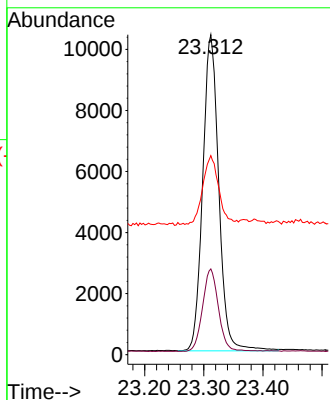
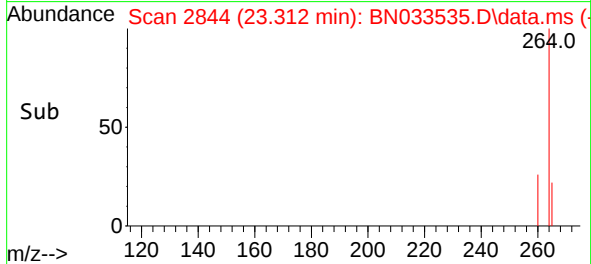
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:264 Resp: 1949
Ion Ratio Lower Upper
264 100
260 26.8 20.8 31.2
265 62.2 52.2 78.2

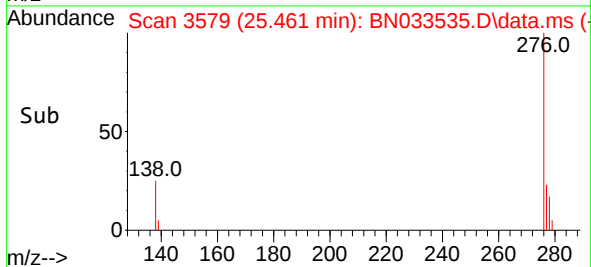
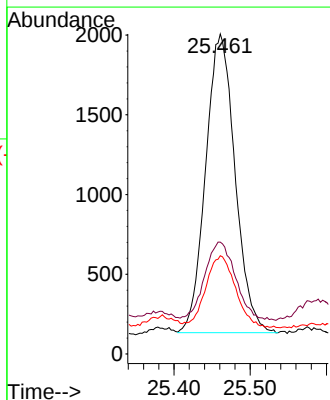
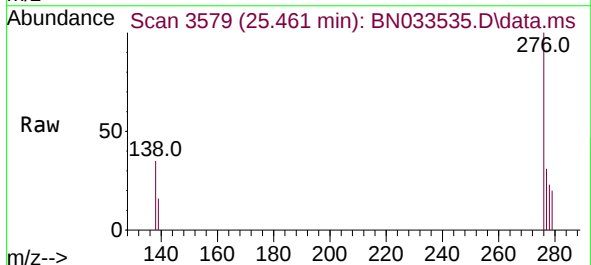
Manual Integrations
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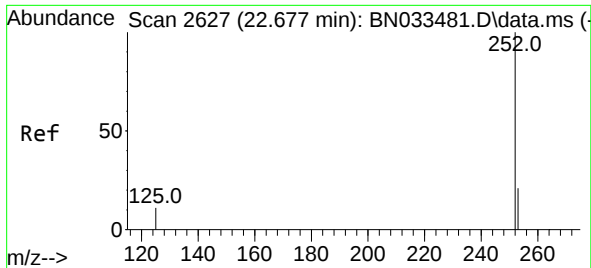
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.062 ng
RT: 25.461 min Scan# 3579
Delta R.T. -0.023 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

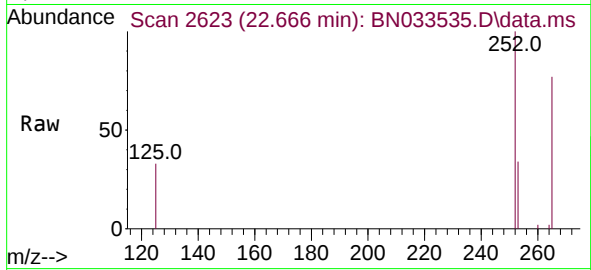
Tgt Ion:276 Resp: 5016
Ion Ratio Lower Upper
276 100
138 26.6 24.4 36.6
277 24.2 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.144 ng
RT: 22.666 min Scan# 2623
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

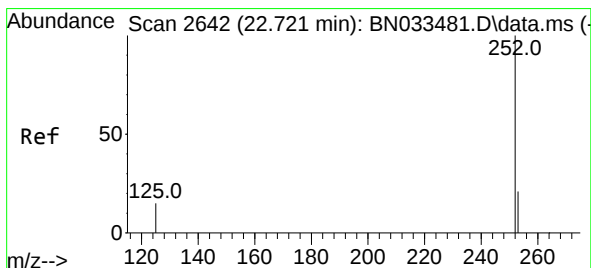
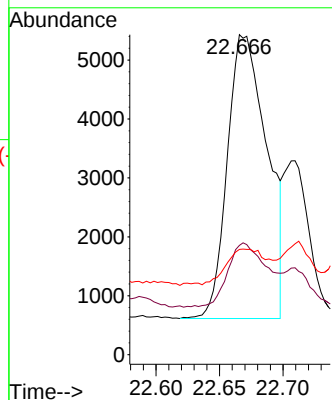
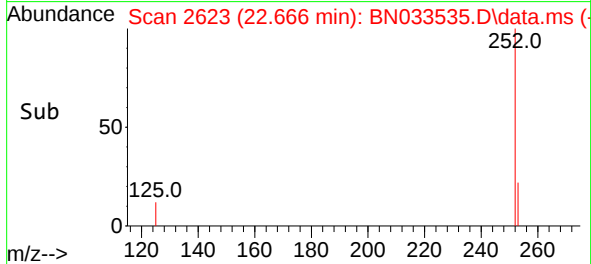
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



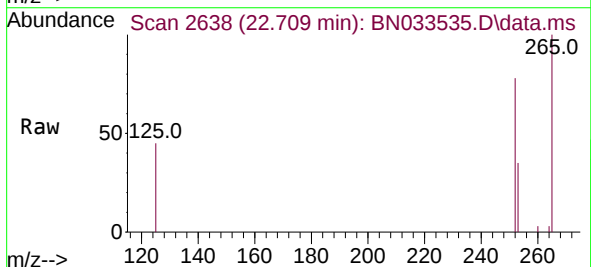
Tgt Ion:252 Resp: 1044
Ion Ratio Lower Upper
252 100
253 34.1 19.8 29.8#
125 32.9 13.9 20.9#

Manual Integrations
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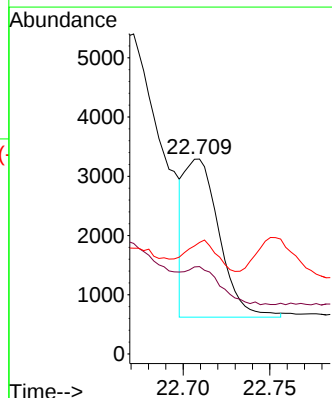
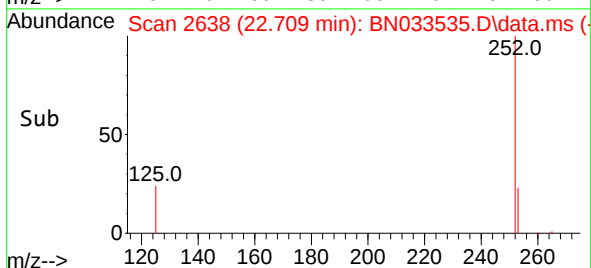
Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024

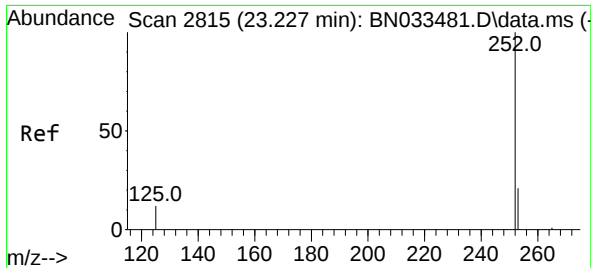


#38
Benzo(k)fluoranthene
Concen: 0.052 ng m
RT: 22.709 min Scan# 2638
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04



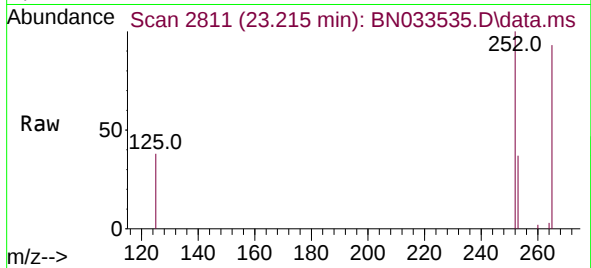
Tgt Ion:252 Resp: 3755
Ion Ratio Lower Upper
252 100
253 44.8 19.8 29.8#
125 57.2 15.8 23.8#





#39
Benzo(a)pyrene
Concen: 0.119 ng
RT: 23.215 min Scan# 2811
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

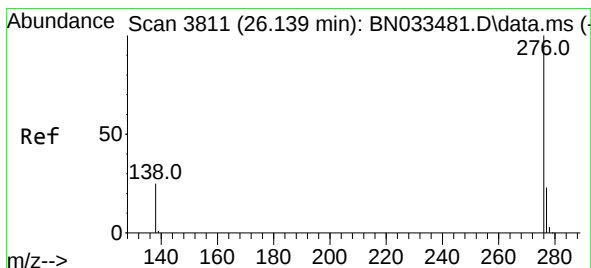
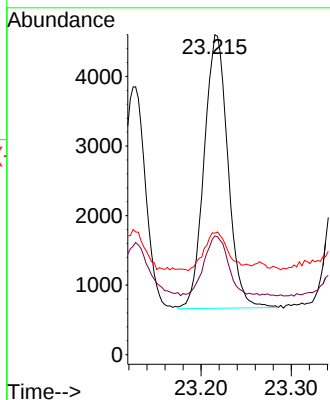
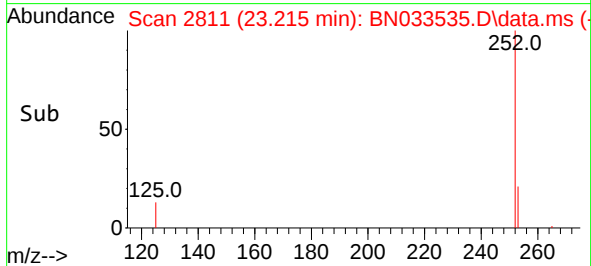
Instrument :
BNA_N
ClientSampleId :
921-J-SD-0.5-1-081524



Tgt Ion:252 Resp: 7190
Ion Ratio Lower Upper
252 100
253 37.1 21.5 32.3#
125 38.0 17.0 25.4#

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2024
Supervised By :mohammad ahmed 08/22/2024



#41
Benzo(g,h,i)perylene
Concen: 0.080 ng
RT: 26.110 min Scan# 3801
Delta R.T. -0.029 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

Tgt Ion:276 Resp: 5535
Ion Ratio Lower Upper
276 100
277 29.9 19.7 29.5#
138 35.9 21.8 32.6#

