

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033589.D
 Acq On : 23 Aug 2024 14:46
 Operator : MA/JU
 Sample : P3663-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 920-J-SD-0-0.5-081624

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 15:49:10 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	6478	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	17650	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9075	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	18566	0.400	ng	0.00
29) Chrysene-d12	21.139	240	15669	0.400	ng	# 0.00
35) Perylene-d12	23.311	264	17803	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4323	0.210	ng	0.00
5) Phenol-d6	6.736	99	5573	0.228	ng	0.00
8) Nitrobenzene-d5	8.681	82	3227	0.220	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	5146	0.204	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1279	0.262	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6763	0.182	ng	0.00
27) Fluoranthene-d10	18.970	212	8092	0.181	ng	0.00
31) Terphenyl-d14	19.588	244	5069	0.142	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	1695	0.036	ng	# 82
12) 2-Methylnaphthalene	11.979	142	778	0.026	ng	# 83
16) Acenaphthylene	13.900	152	4329	0.109	ng	94
17) Acenaphthene	14.242	154	2782	0.099	ng	94
18) Fluorene	15.236	166	4369	0.124	ng	98
25) Phenanthrene	16.966	178	80237	1.553	ng	100
26) Anthracene	17.066	178	15709	0.344	ng	# 96
28) Fluoranthene	19.003	202	278045	4.871	ng	100
30) Pyrene	19.365	202	235905	3.373	ng	# 95
32) Benzo(a)anthracene	21.121	228	135568	2.393	ng	96
33) Chrysene	21.175	228	142880	2.537	ng	97
34) Bis(2-ethylhexyl)phtha...	21.085	149	74805m	2.086	ng	
36) Indeno(1,2,3-cd)pyrene	25.460	276	111416	1.507	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	219017	3.294	ng	95
38) Benzo(k)fluoranthene	22.709	252	80742m	1.234	ng	
39) Benzo(a)pyrene	23.215	252	144692m	2.630	ng	
40) Dibenzo(a,h)anthracene	25.472	278	25633	0.434	ng	# 87
41) Benzo(g,h,i)perylene	26.118	276	109995	1.740	ng	99

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

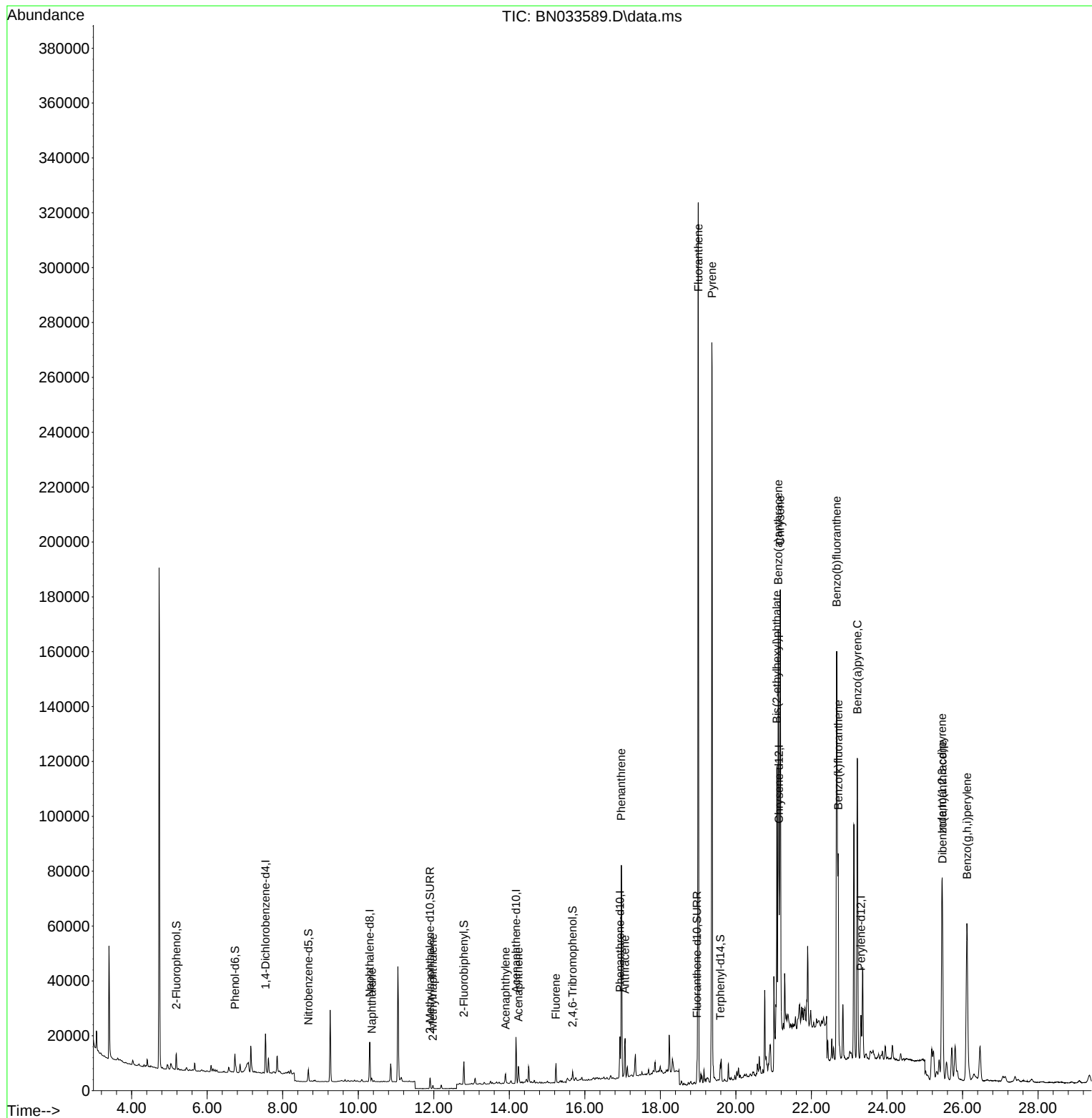
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033589.D
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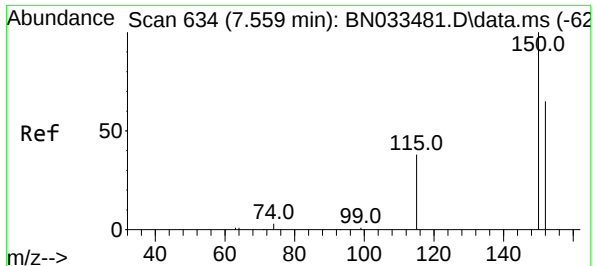
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624

Quant Time: Aug 23 15:49:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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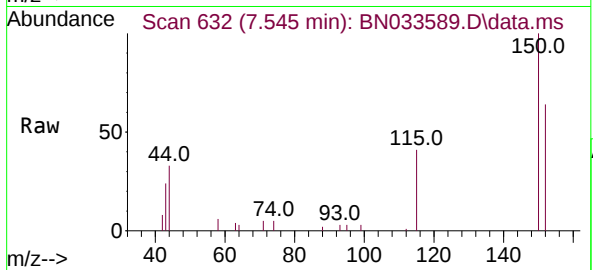
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

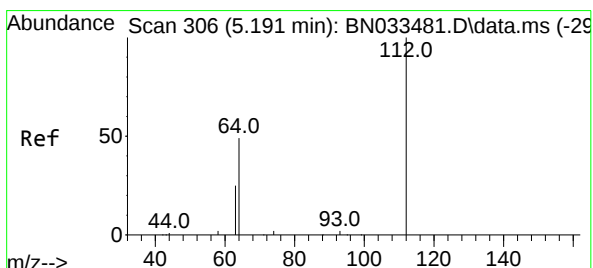
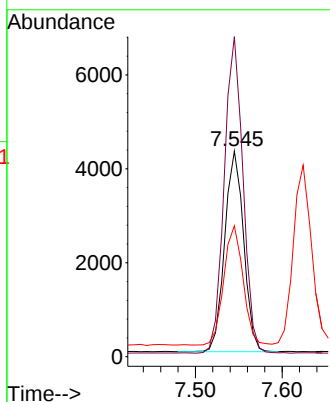
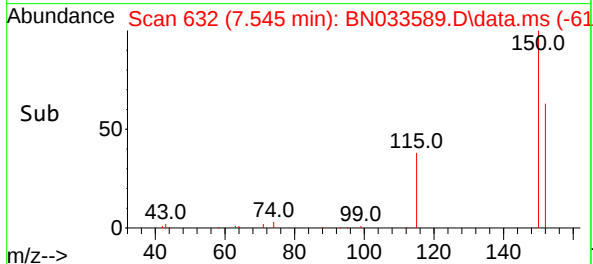
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:152 Resp: 6478
Ion Ratio Lower Upper
152 100
150 155.6 122.2 183.2
115 63.6 47.2 70.8

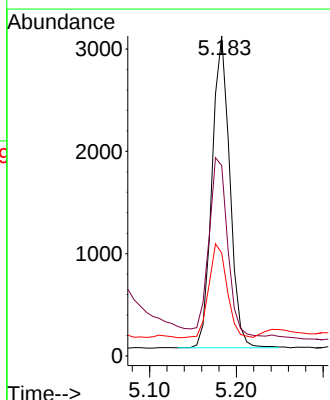
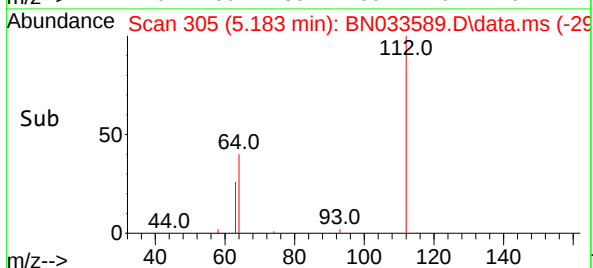
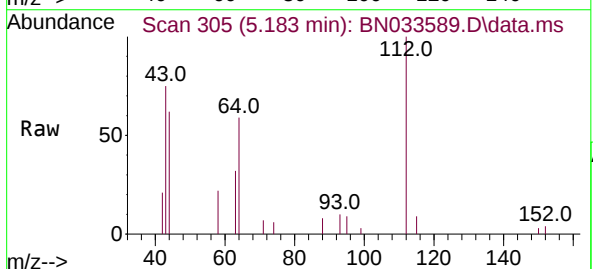
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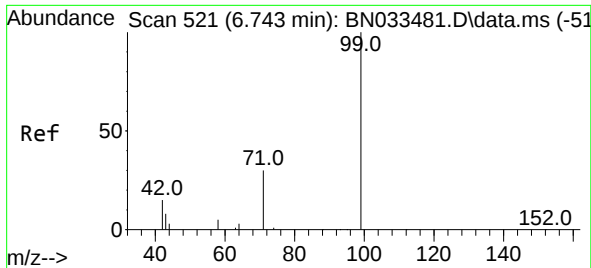
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#4
2-Fluorophenol
Concen: 0.210 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

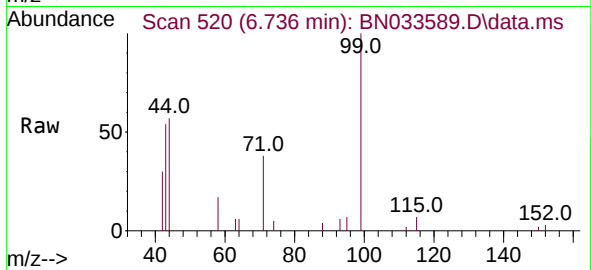
Tgt Ion:112 Resp: 4323
Ion Ratio Lower Upper
112 100
64 60.3 47.1 70.7
63 30.8 24.9 37.3





#5
Phenol-d6
Concen: 0.228 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

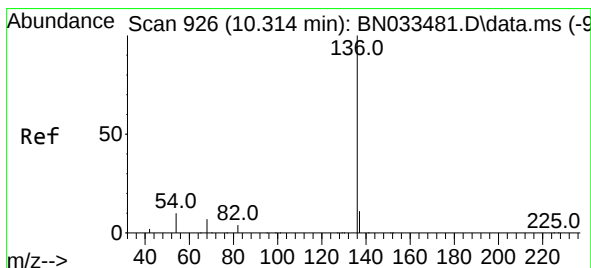
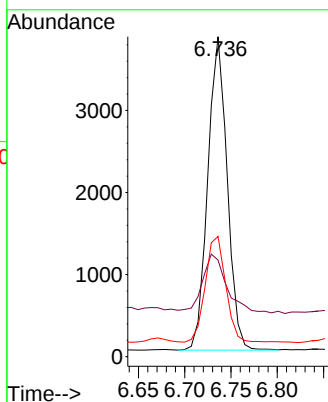
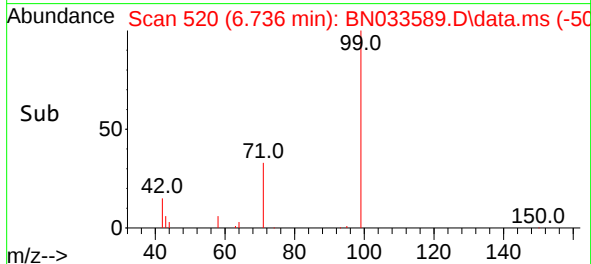
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion: 99 Resp: 557
Ion Ratio Lower Upper
99 100
42 23.2 16.6 24.8
71 35.3 26.2 39.4

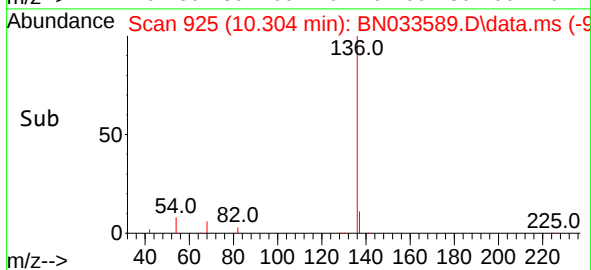
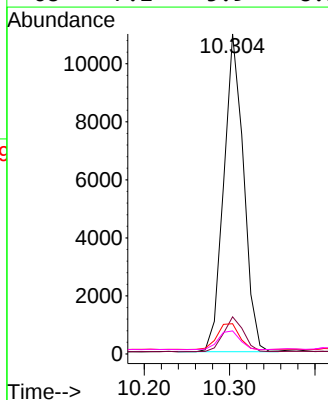
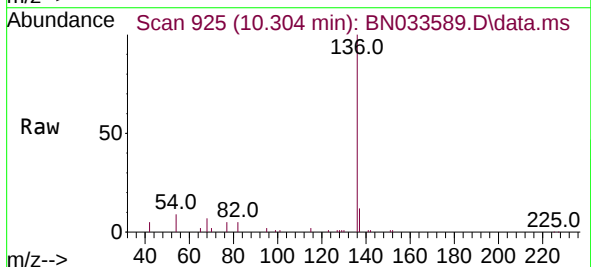
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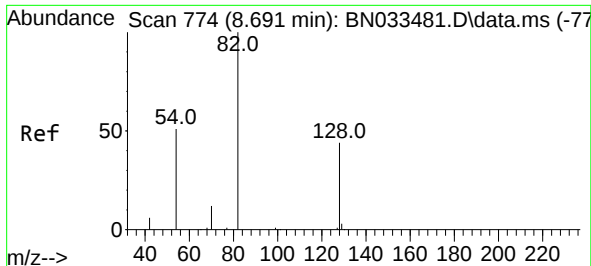
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

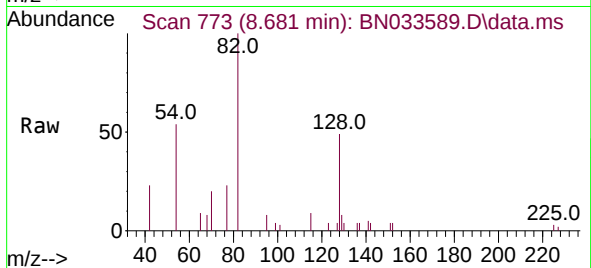
Tgt Ion:136 Resp: 17650
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.5 8.3 12.5
68 7.2 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.220 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

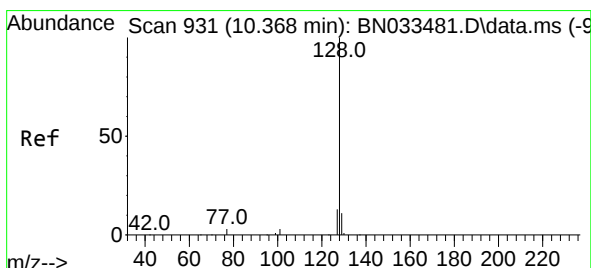
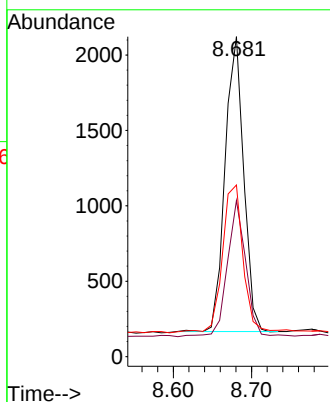
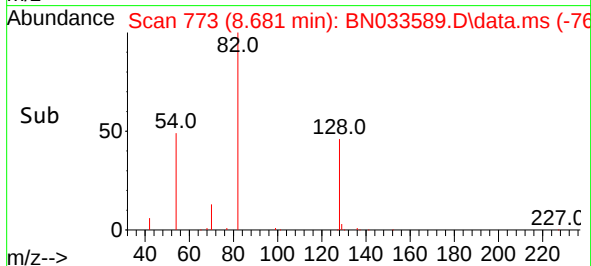
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion: 82 Resp: 322
Ion Ratio Lower Upper
82 100
128 48.8 36.0 54.0
54 53.6 42.0 63.0

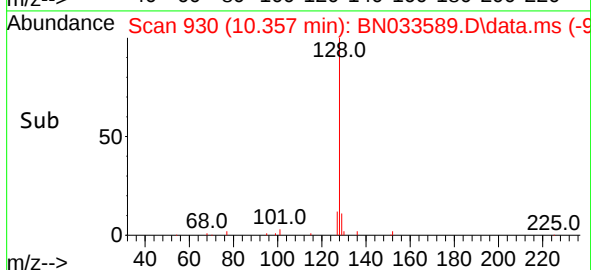
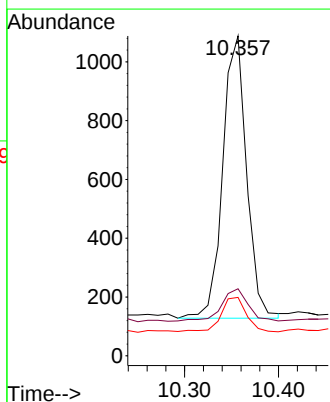
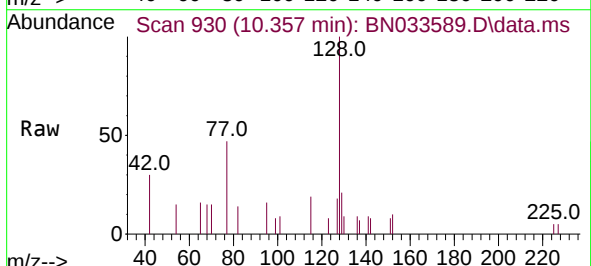
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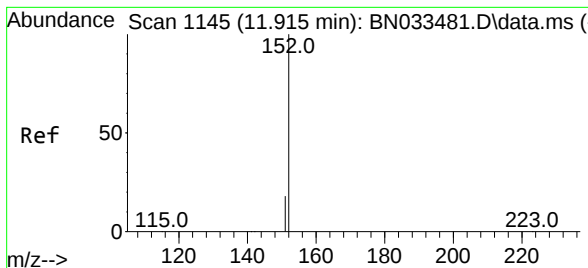
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.036 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

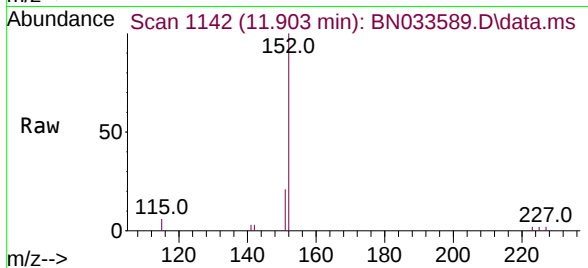
Tgt Ion:128 Resp: 1695
Ion Ratio Lower Upper
128 100
129 21.0 9.1 13.7#
127 18.3 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.204 ng
RT: 11.903 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

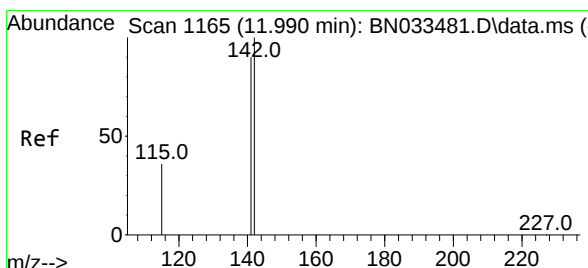
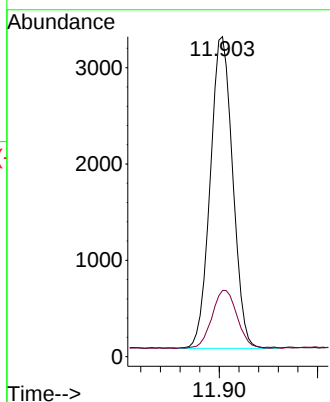
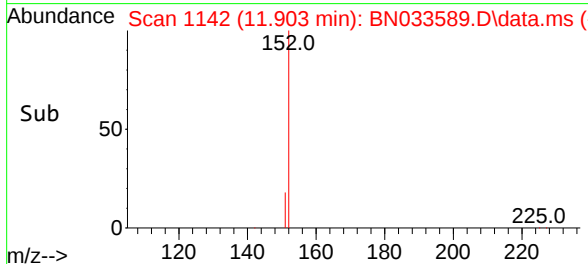
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



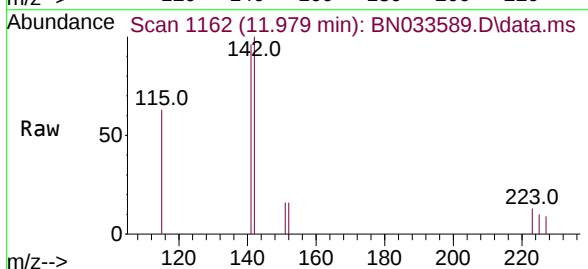
Tgt Ion:152 Resp: 5140
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0

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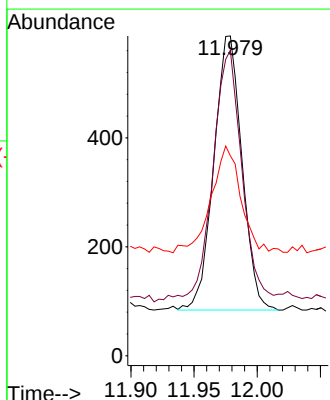
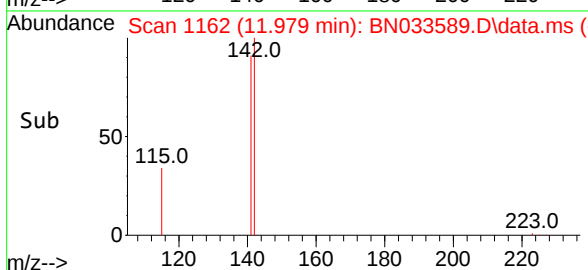
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

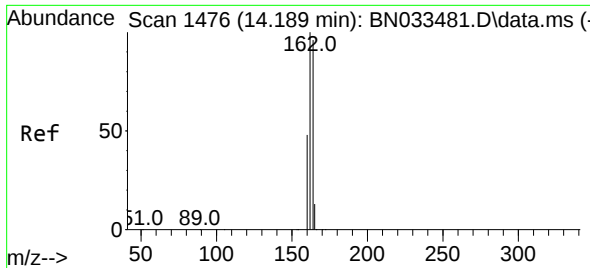


#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46



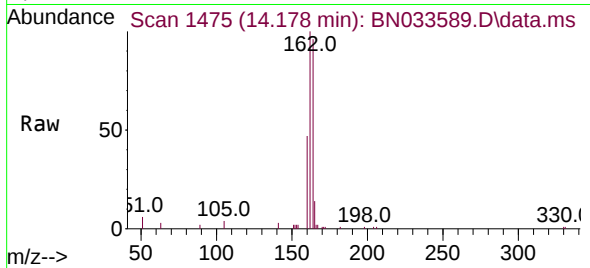
Tgt Ion:142 Resp: 778
Ion Ratio Lower Upper
142 100
141 95.6 71.7 107.5
115 62.5 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

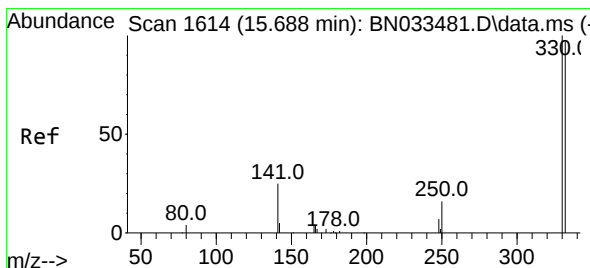
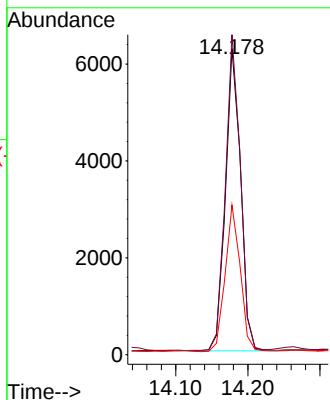
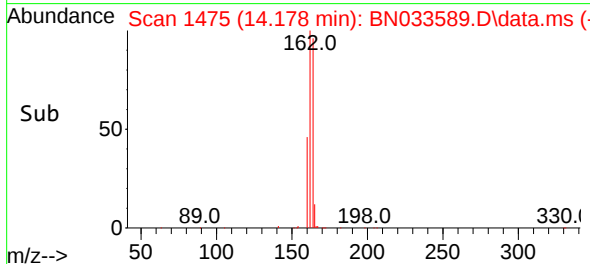
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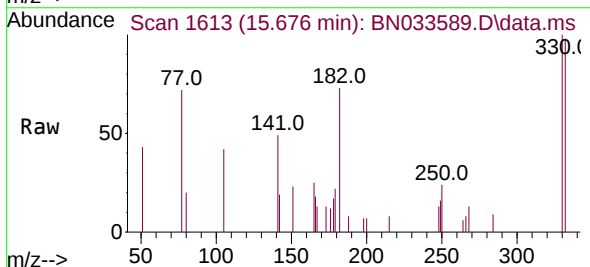
Tgt Ion:164 Resp: 9075
Ion Ratio Lower Upper
164 100
162 104.5 83.5 125.3
160 48.9 40.2 60.4

Manual Integrations
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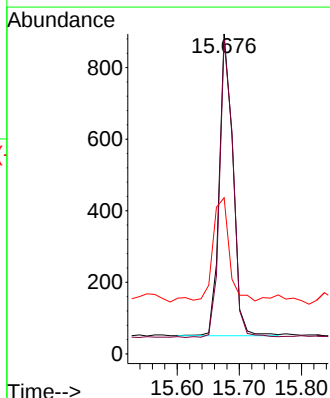
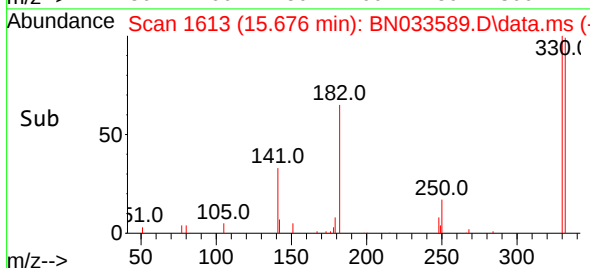
Reviewed By :Yogesh Patel 08/24/2024
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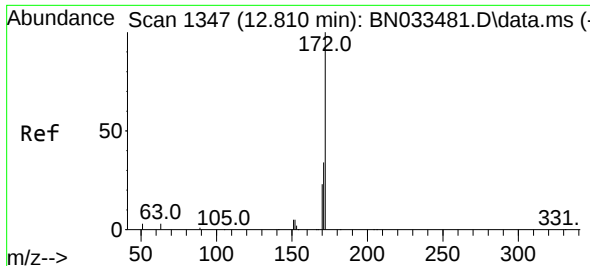


#14
2,4,6-Tribromophenol
Concen: 0.262 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46



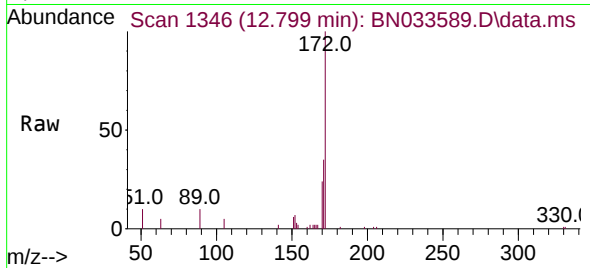
Tgt Ion:330 Resp: 1279
Ion Ratio Lower Upper
330 100
332 98.6 77.5 116.3
141 40.3 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.182 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

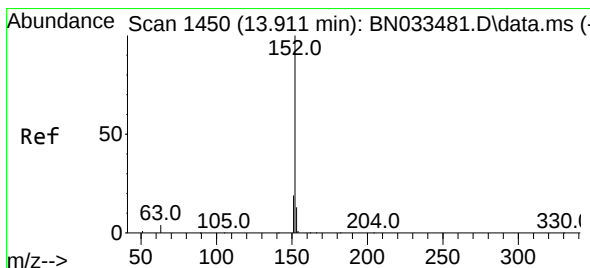
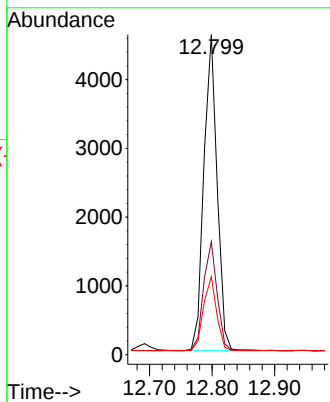
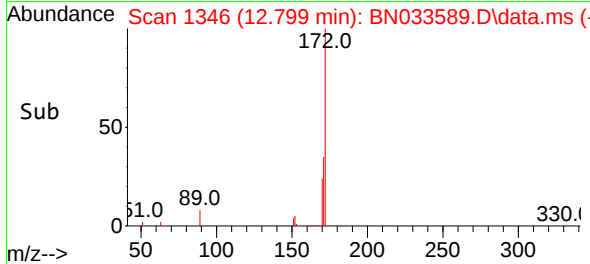
Instrument :
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920-J-SD-0-0.5-081624



Tgt Ion:172 Resp: 676
Ion Ratio Lower Upper
172 100
171 35.3 27.7 41.5
170 24.3 18.3 27.5

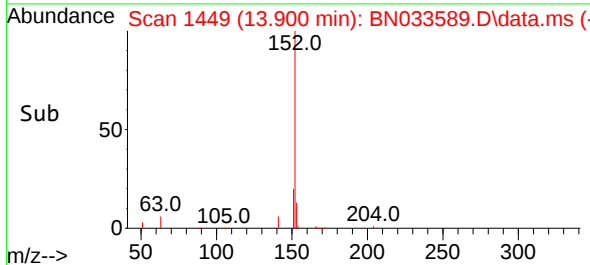
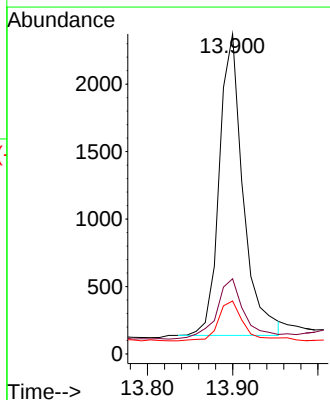
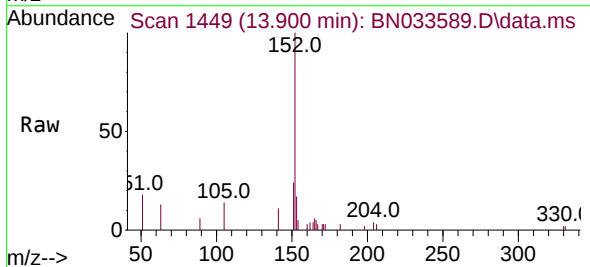
Manual Integrations
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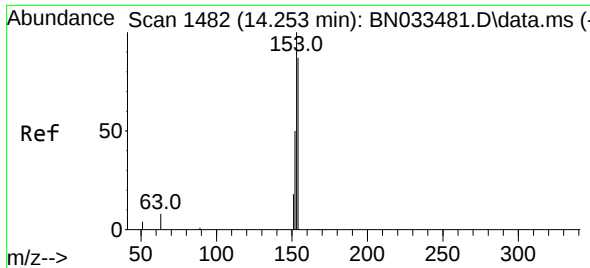
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.109 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

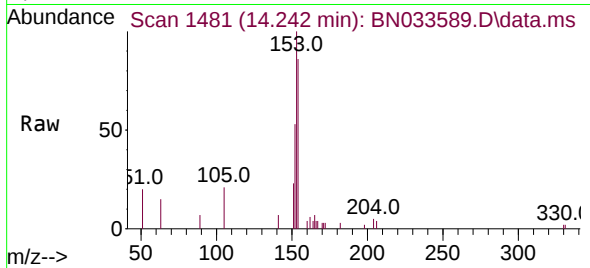
Tgt Ion:152 Resp: 4329
Ion Ratio Lower Upper
152 100
151 23.4 15.7 23.5
153 13.6 10.3 15.5





#17
Acenaphthene
Concen: 0.099 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

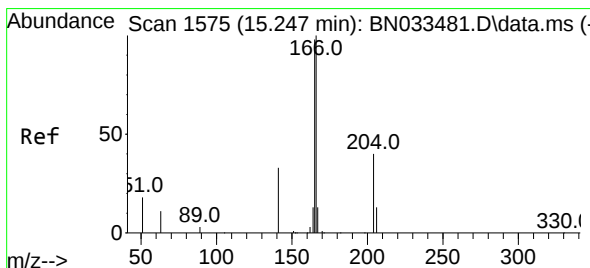
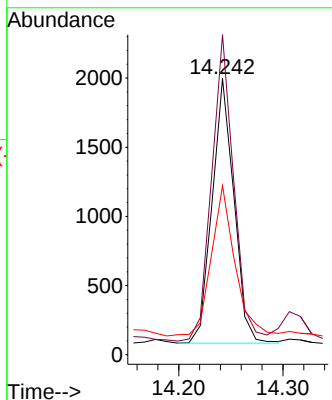
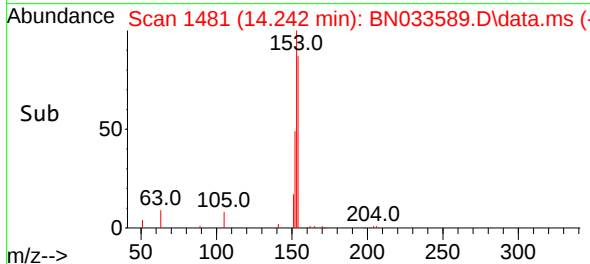
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:154 Resp: 278
Ion Ratio Lower Upper
154 100
153 117.0 89.0 133.6
152 61.5 45.2 67.8

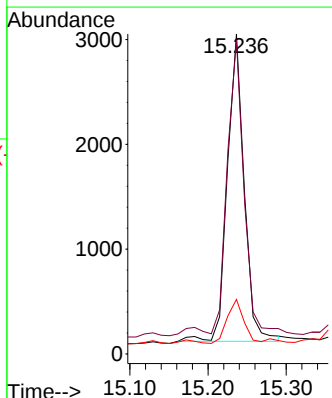
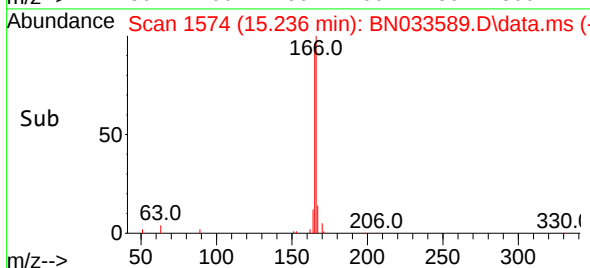
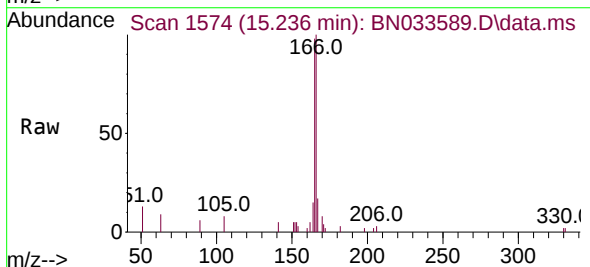
Manual Integrations
APPROVED

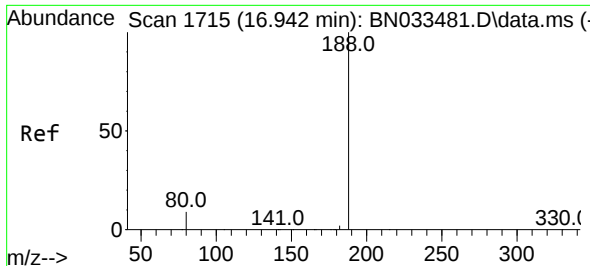
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#18
Fluorene
Concen: 0.124 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

Tgt Ion:166 Resp: 4369
Ion Ratio Lower Upper
166 100
165 96.1 78.2 117.4
167 14.2 10.6 16.0





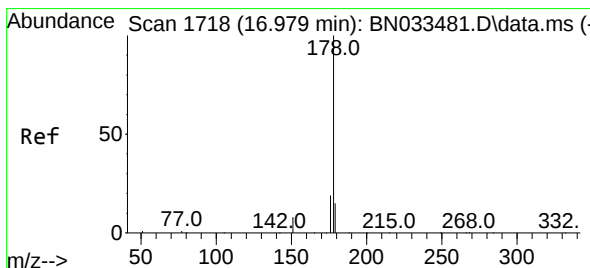
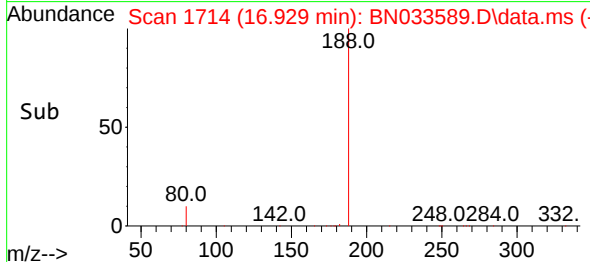
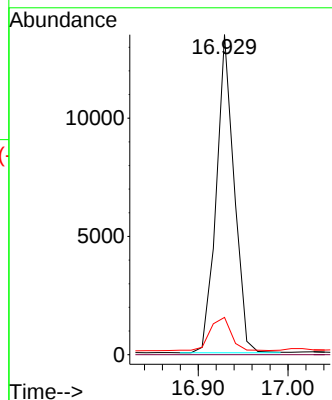
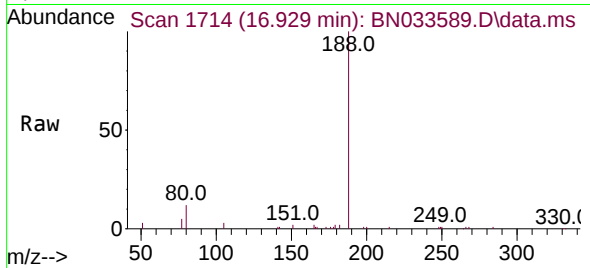
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624

Tgt Ion:188 Resp: 1856
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 7.8 11.8

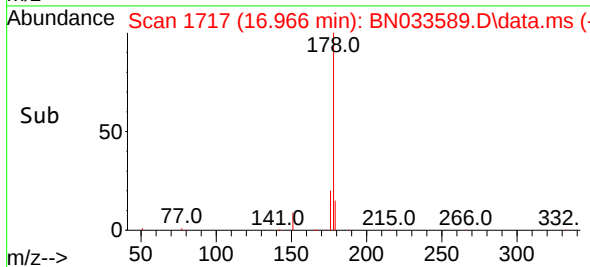
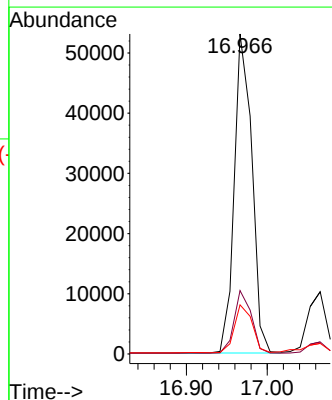
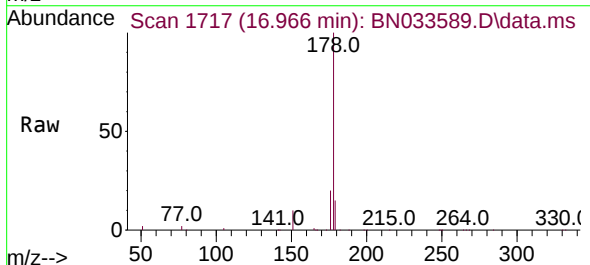
Manual Integrations
APPROVED

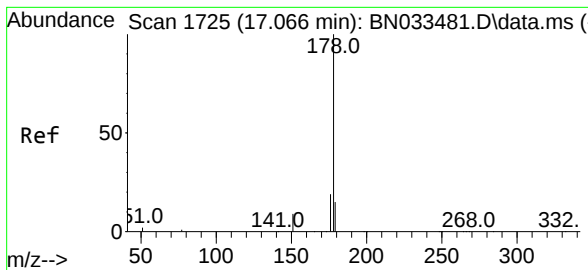
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 1.553 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

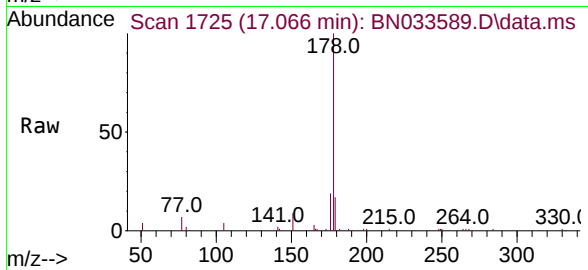
Tgt Ion:178 Resp: 80237
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.1 12.3 18.5





#26
 Anthracene
 Concen: 0.344 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033589.D
 Acq: 23 Aug 2024 14:46

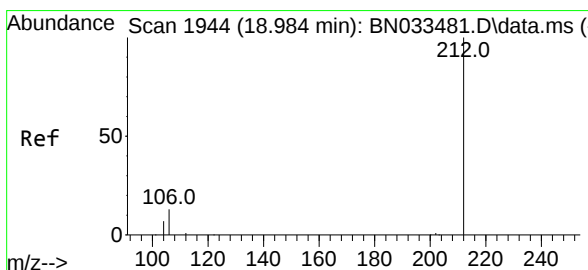
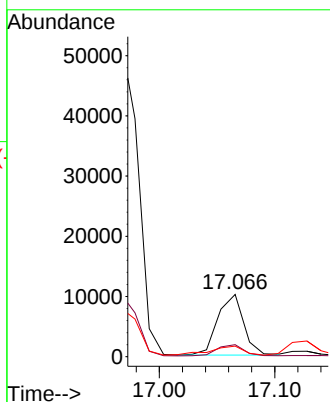
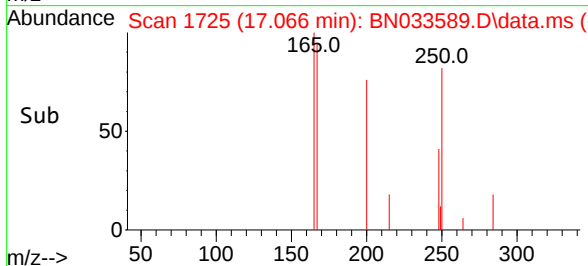
Instrument :
 BNA_N
 ClientSampleId :
 920-J-SD-0-0.5-081624



Tgt Ion:178 Resp: 15709
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 18.9 12.4 18.6

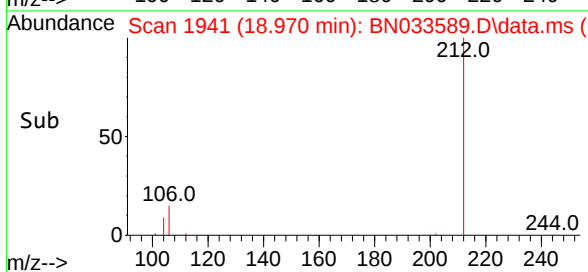
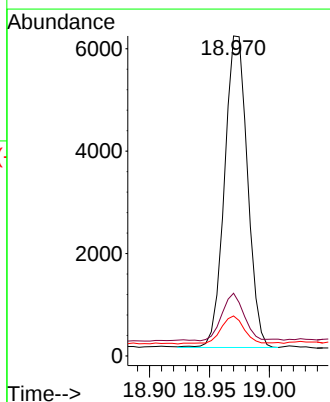
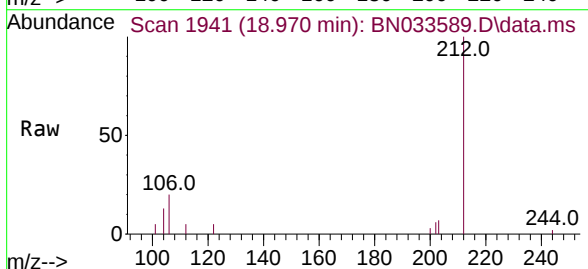
Manual Integrations
 APPROVED

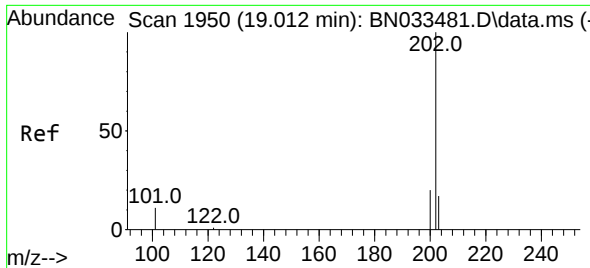
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.181 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033589.D
 Acq: 23 Aug 2024 14:46

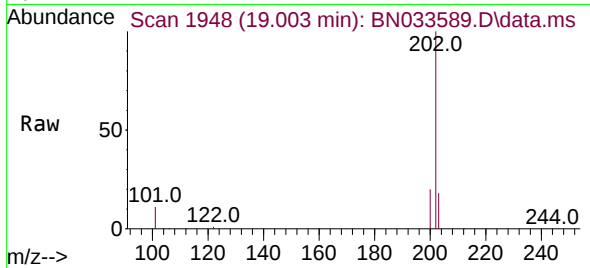
Tgt Ion:212 Resp: 8092
 Ion Ratio Lower Upper
 212 100
 106 14.6 12.3 18.5
 104 9.3 7.0 10.4





#28
Fluoranthene
Concen: 4.871 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

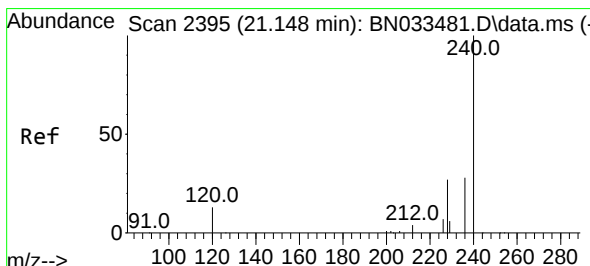
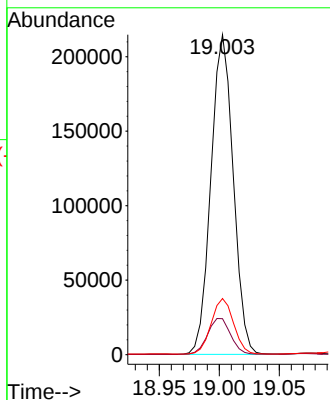
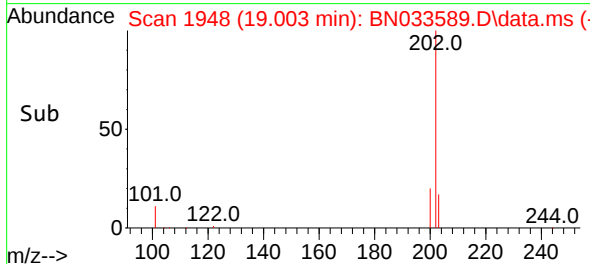
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:202 Resp: 27804
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.3 13.8 20.6

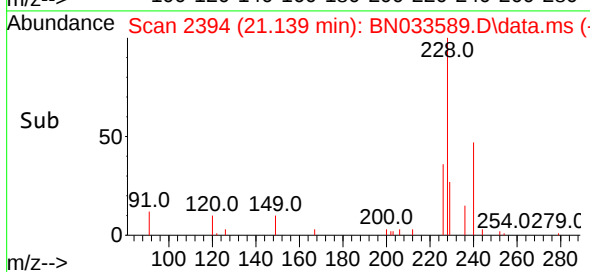
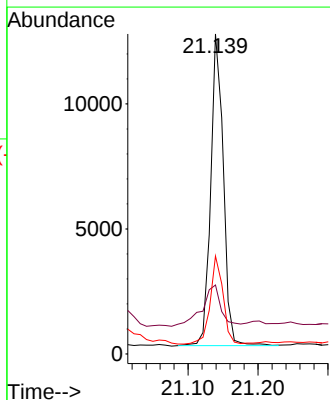
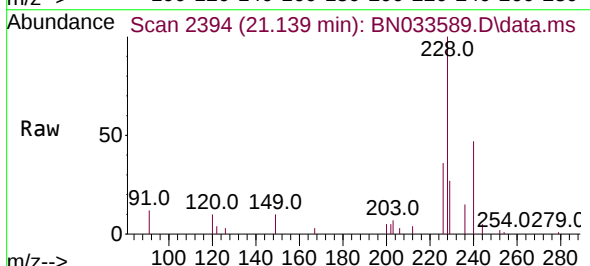
Manual Integrations
APPROVED

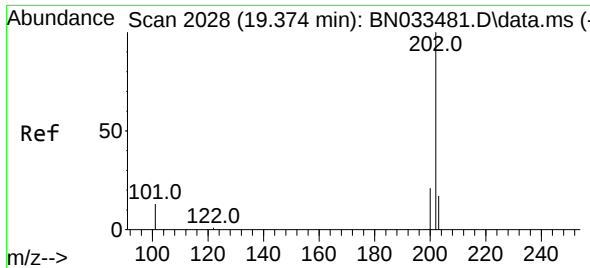
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

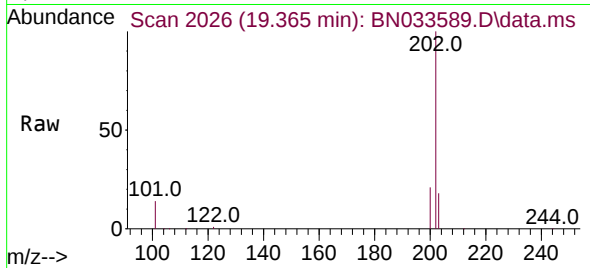
Tgt Ion:240 Resp: 15669
Ion Ratio Lower Upper
240 100
120 21.6 12.4 18.6#
236 30.6 23.0 34.6





#30
Pyrene
Concen: 3.373 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

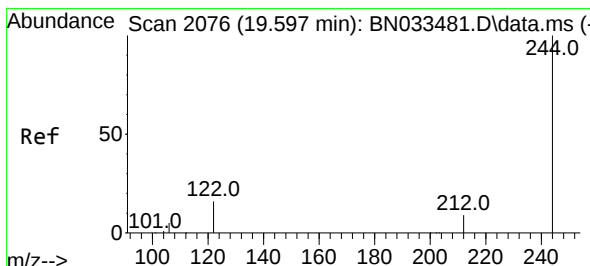
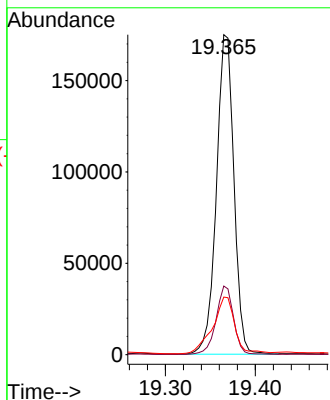
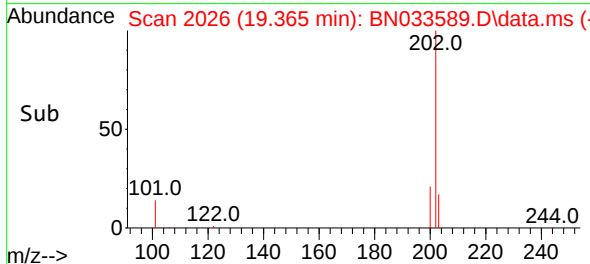
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:202 Resp: 23590
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 22.3 14.2 21.4

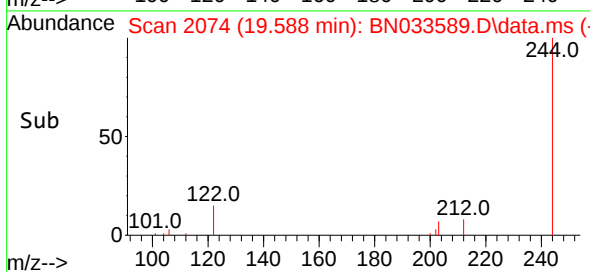
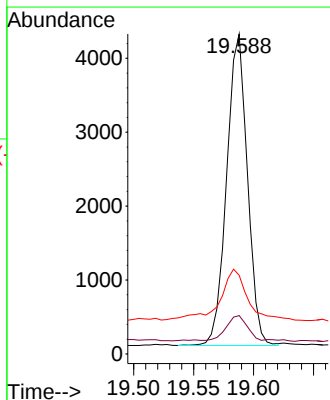
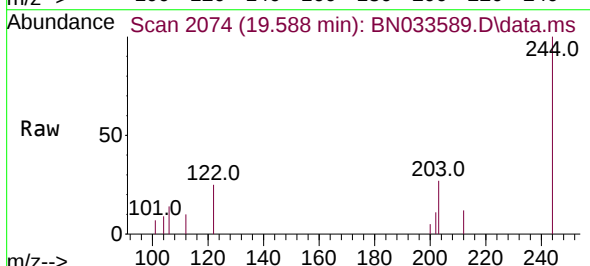
Manual Integrations
APPROVED

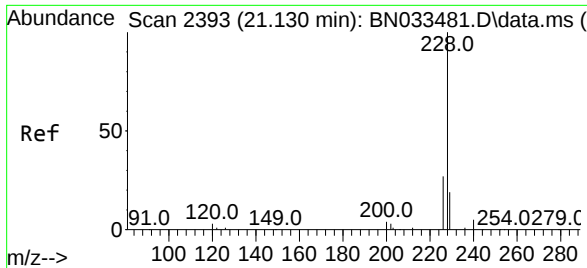
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.142 ng
RT: 19.588 min Scan# 2074
Delta R.T. 0.004 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

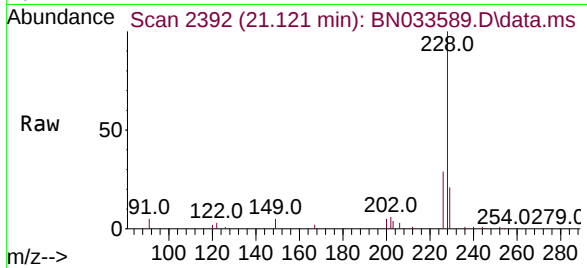
Tgt Ion:244 Resp: 5069
Ion Ratio Lower Upper
244 100
212 12.0 7.8 11.6#
122 24.6 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 2.393 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

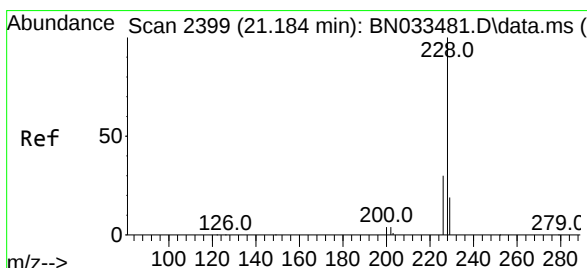
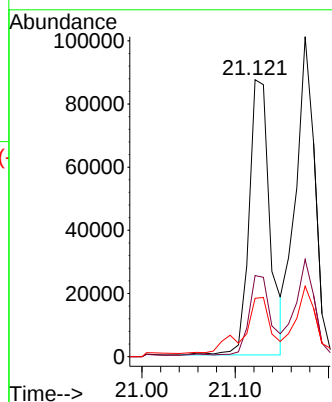
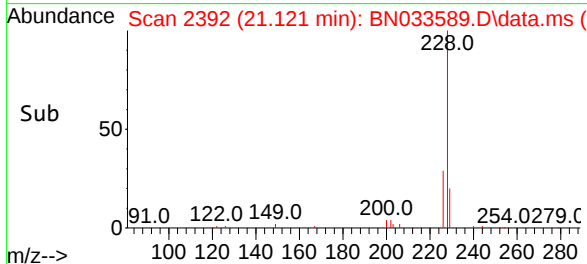
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:228 Resp: 13556
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.6
229 21.1 15.8 23.6

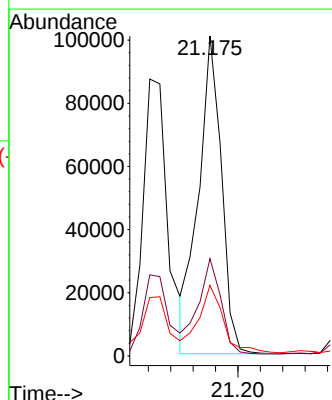
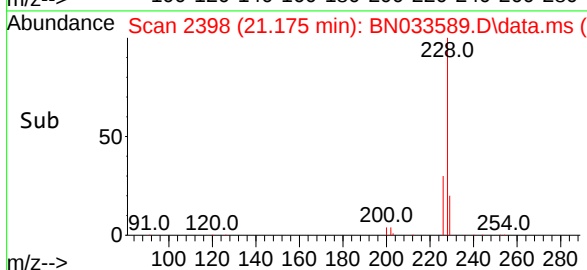
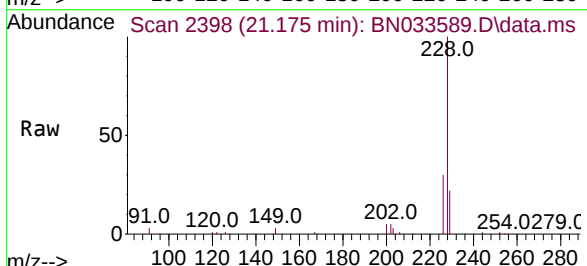
Manual Integrations
APPROVED

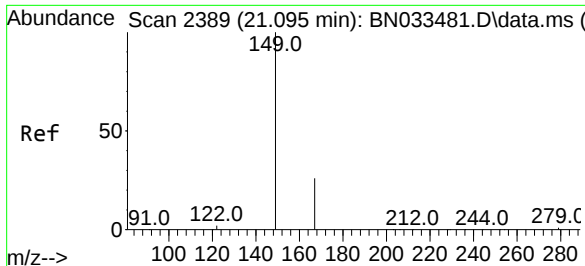
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 2.537 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

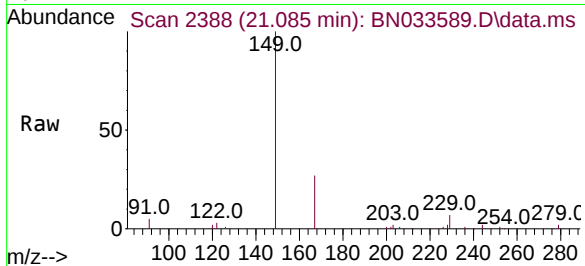
Tgt Ion:228 Resp: 142880
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 22.0 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.086 ng m
RT: 21.085 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

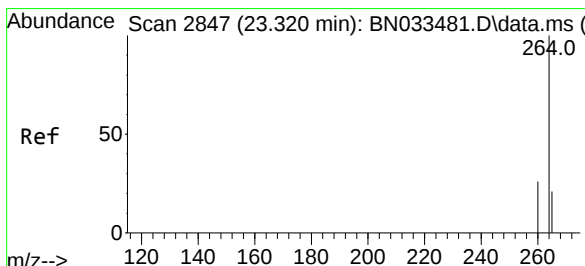
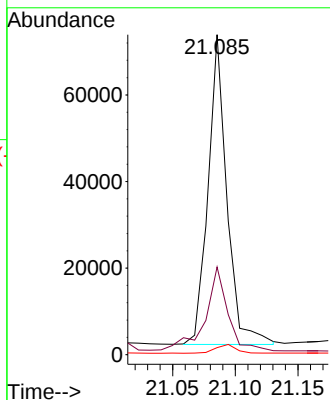
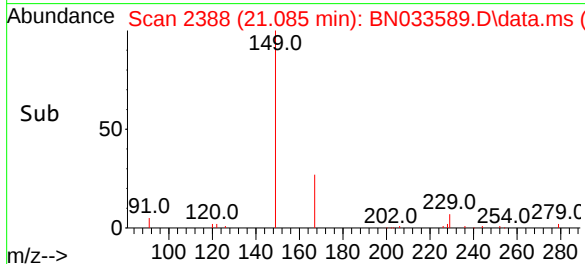
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:149 Resp: 7480
Ion Ratio Lower Upper
149 100
167 35.4 21.5 32.3
279 3.6 2.2 3.2

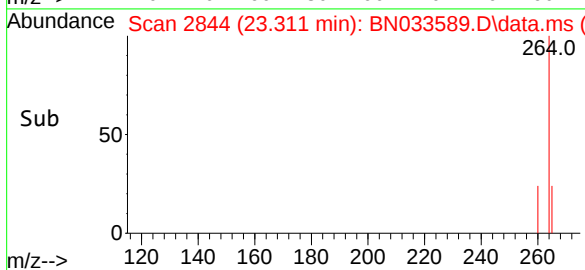
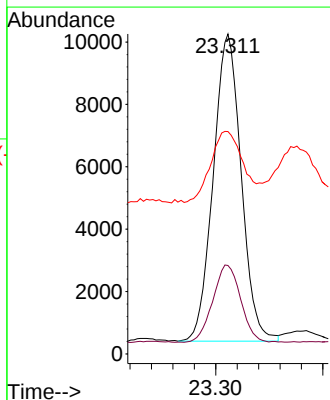
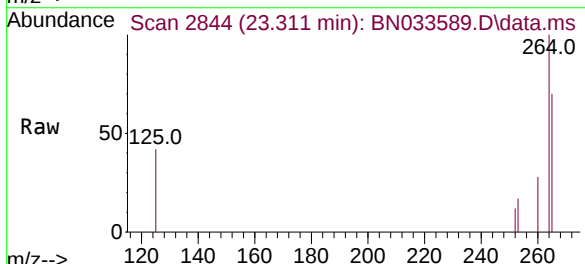
Manual Integrations
APPROVED

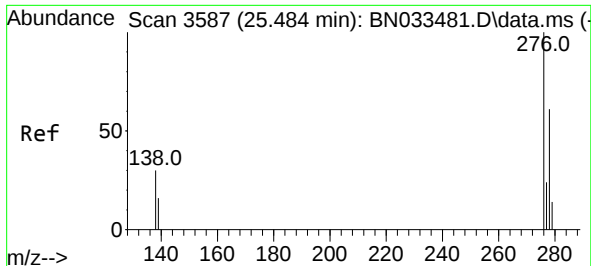
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.311 min Scan# 2844
Delta R.T. 0.009 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

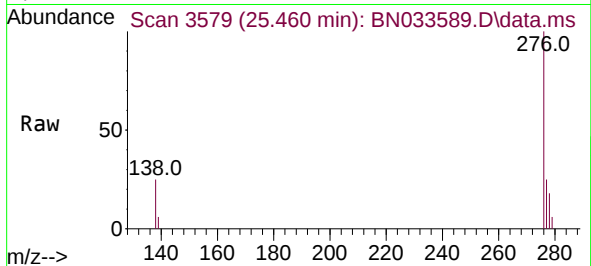
Tgt Ion:264 Resp: 17803
Ion Ratio Lower Upper
264 100
260 27.7 20.8 31.2
265 69.5 52.2 78.2





#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.507 ng
 RT: 25.460 min Scan# 3587
 Delta R.T. 0.011 min
 Lab File: BN033589.D
 Acq: 23 Aug 2024 14:46

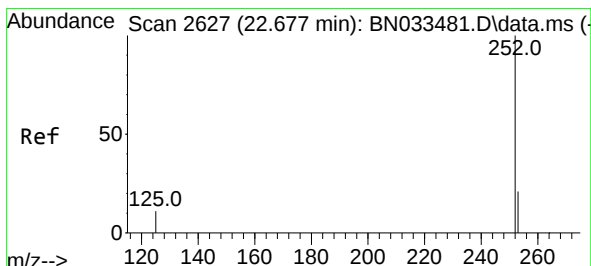
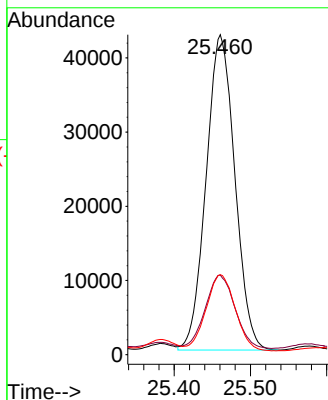
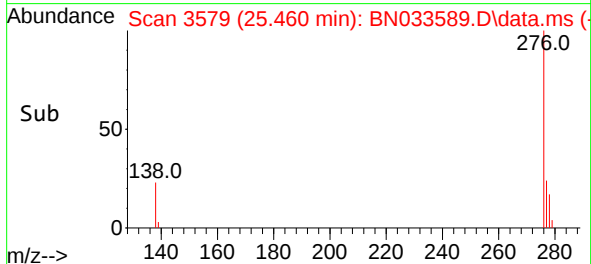
Instrument :
 BNA_N
 ClientSampleId :
 920-J-SD-0-0.5-081624



Tgt Ion:276 Resp: 111410
 Ion Ratio Lower Upper
 276 100
 138 23.9 24.4 36.6
 277 24.5 19.8 29.6

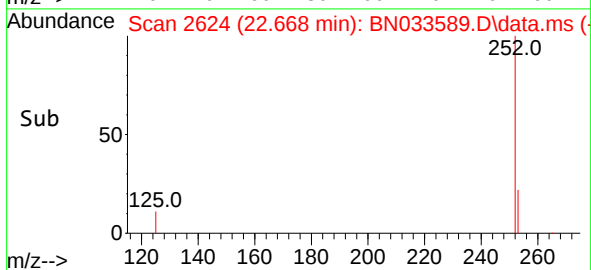
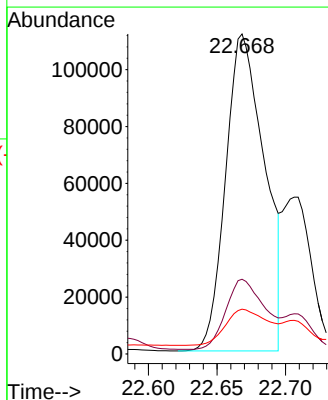
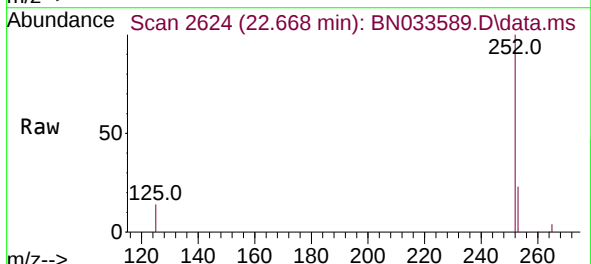
Manual Integrations
 APPROVED

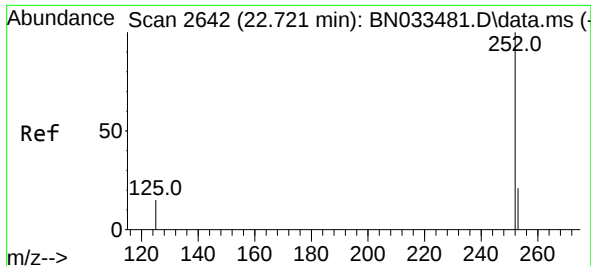
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#37
 Benzo(b)fluoranthene
 Concen: 3.294 ng
 RT: 22.668 min Scan# 2624
 Delta R.T. 0.009 min
 Lab File: BN033589.D
 Acq: 23 Aug 2024 14:46

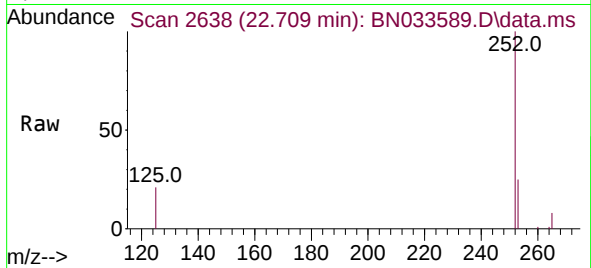
Tgt Ion:252 Resp: 219017
 Ion Ratio Lower Upper
 252 100
 253 23.3 19.8 29.8
 125 14.0 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 1.234 ng m
RT: 22.709 min Scan# 2638
Delta R.T. 0.006 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

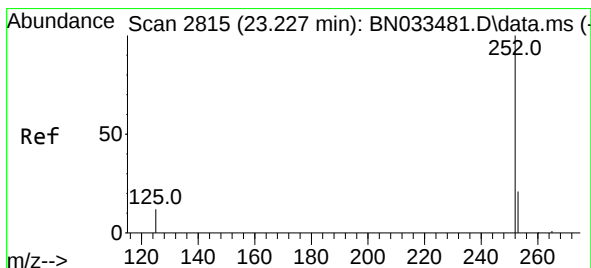
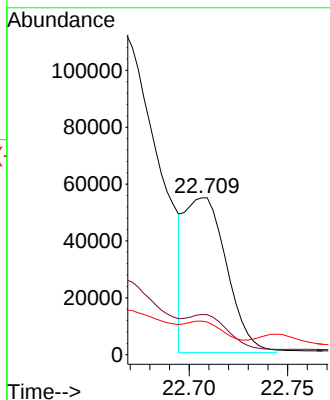
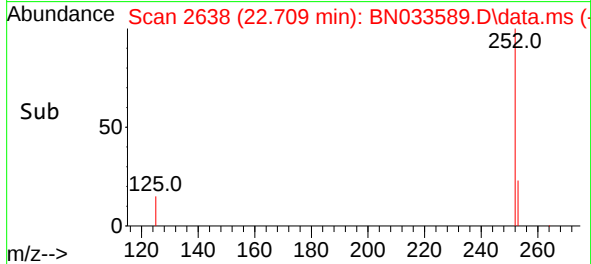
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion:252 Resp: 8074
Ion Ratio Lower Upper
252 100
253 25.5 19.8 29.8
125 20.8 15.8 23.8

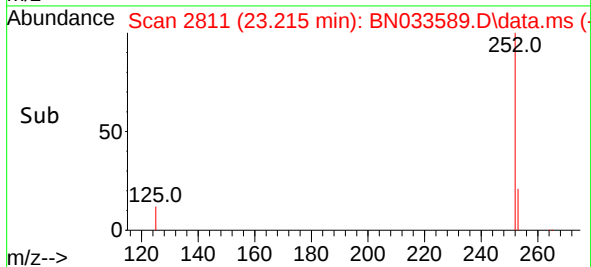
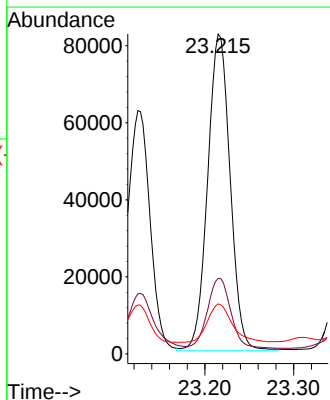
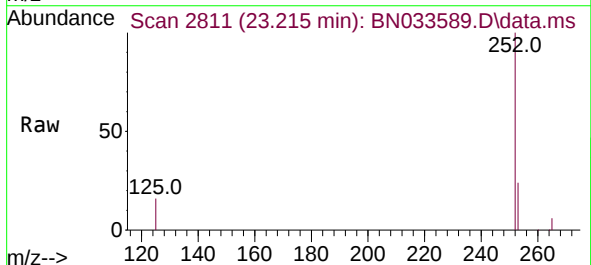
Manual Integrations
APPROVED

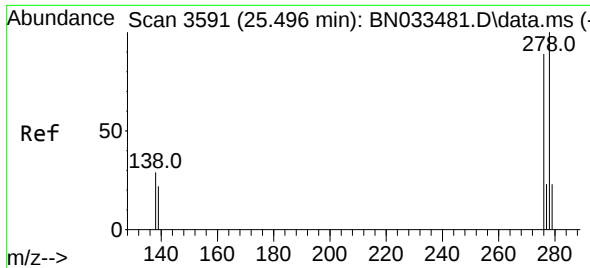
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 2.630 ng m
RT: 23.215 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

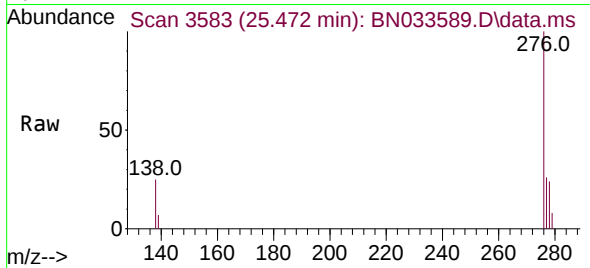
Tgt Ion:252 Resp: 144692
Ion Ratio Lower Upper
252 100
253 23.6 21.5 32.3
125 15.6 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.434 ng
RT: 25.472 min Scan# 3583
Delta R.T. 0.003 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

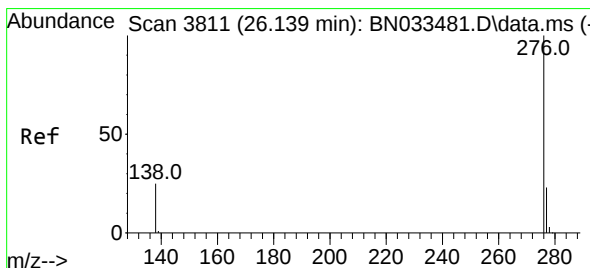
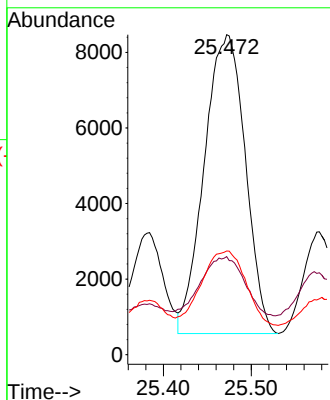
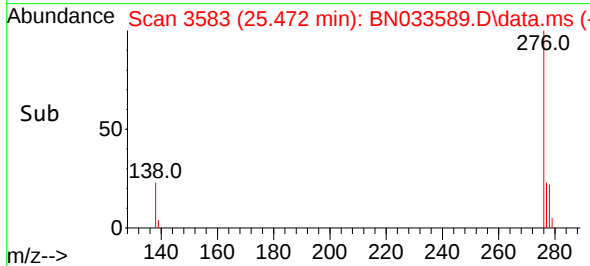
Instrument :
BNA_N
ClientSampleId :
920-J-SD-0-0.5-081624



Tgt Ion: 278 Resp: 2563
Ion Ratio Lower Upper
278 100
139 30.7 19.1 28.7
279 32.4 21.0 31.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.740 ng
RT: 26.118 min Scan# 3804
Delta R.T. 0.014 min
Lab File: BN033589.D
Acq: 23 Aug 2024 14:46

Tgt Ion: 276 Resp: 109995
Ion Ratio Lower Upper
276 100
277 24.8 19.7 29.5
138 26.1 21.8 32.6

