

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082624\
 Data File : BN033627.D
 Acq On : 26 Aug 2024 18:08
 Operator : MA/JU
 Sample : P3660-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0-0.5-081624DL

Quant Time: Aug 26 18:33:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/27/2024
 Supervised By :mohammad ahmed 08/28/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.537	152	6159	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	17295	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	8806	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	18608	0.400	ng	0.00
29) Chrysene-d12	21.139	240	16818	0.400	ng	# 0.00
35) Perylene-d12	23.302	264	16722	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.176	112	704	0.036	ng	0.00
5) Phenol-d6	6.728	99	912	0.039	ng	0.00
8) Nitrobenzene-d5	8.670	82	705	0.049	ng	-0.01
11) 2-Methylnaphthalene-d10	11.899	152	948	0.038	ng	0.00
14) 2,4,6-Tribromophenol	15.675	330	186	0.039	ng	0.00
15) 2-Fluorobiphenyl	12.788	172	1185	0.033	ng	-0.01
27) Fluoranthene-d10	18.965	212	1219	0.027	ng	0.00
31) Terphenyl-d14	19.583	244	837	0.022	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.346	128	2716	0.059	ng	# 91
12) 2-Methylnaphthalene	11.971	142	843	0.029	ng	# 88
16) Acenaphthylene	13.889	152	1851	0.048	ng	96
17) Acenaphthene	14.242	154	4238	0.156	ng	98
18) Fluorene	15.225	166	6031	0.176	ng	98
25) Phenanthrene	16.966	178	92348	1.784	ng	99
26) Anthracene	17.053	178	21105	0.461	ng	97
28) Fluoranthene	18.998	202	174781	3.055	ng	99
30) Pyrene	19.360	202	146808	1.956	ng	# 94
32) Benzo(a)anthracene	21.121	228	80028	1.316	ng	98
33) Chrysene	21.175	228	78466	1.298	ng	97
34) Bis(2-ethylhexyl)phtha...	21.076	149	10272m	0.267	ng	
36) Indeno(1,2,3-cd)pyrene	25.448	276	45239	0.652	ng	# 93
37) Benzo(b)fluoranthene	22.659	252	104124	1.667	ng	96
38) Benzo(k)fluoranthene	22.700	252	38474m	0.626	ng	
39) Benzo(a)pyrene	23.206	252	69825m	1.351	ng	
40) Dibenzo(a,h)anthracene	25.457	278	10966	0.198	ng	# 87
41) Benzo(g,h,i)perylene	26.103	276	44204	0.745	ng	99

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

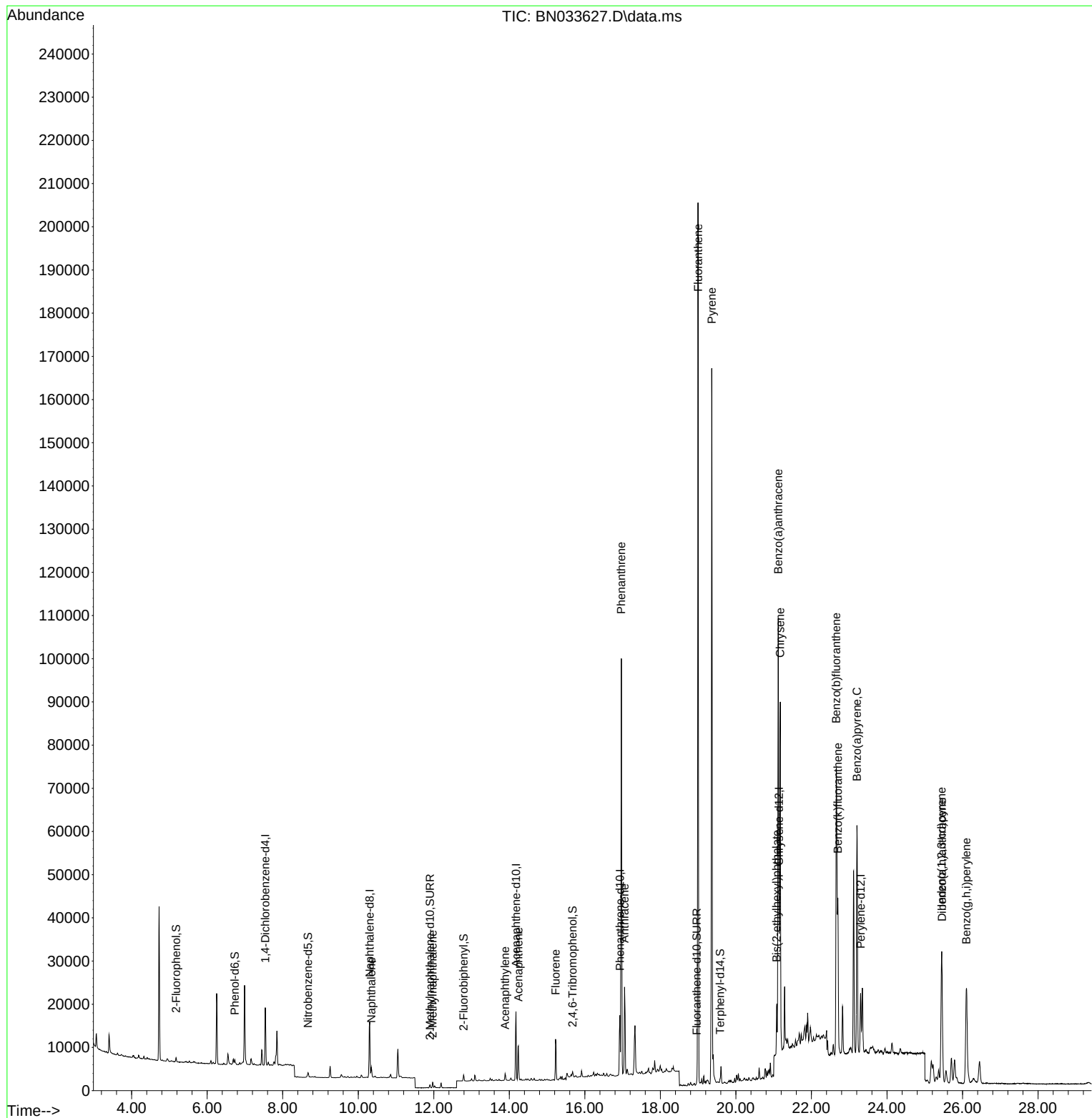
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082624\
Data File : BN033627.D
Acq On : 26 Aug 2024 18:08
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ALS Vial : 11 Sample Multiplier: 1

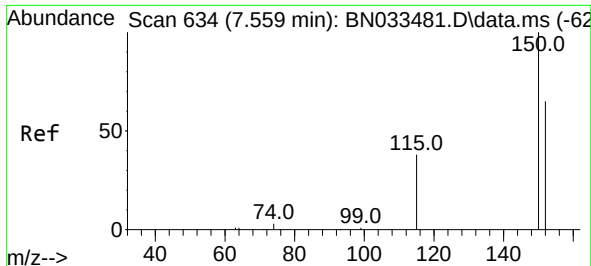
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL

Quant Time: Aug 26 18:33:37 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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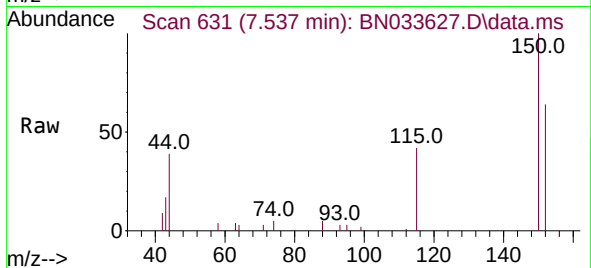
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.537 min Scan# 615
Delta R.T. -0.008 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

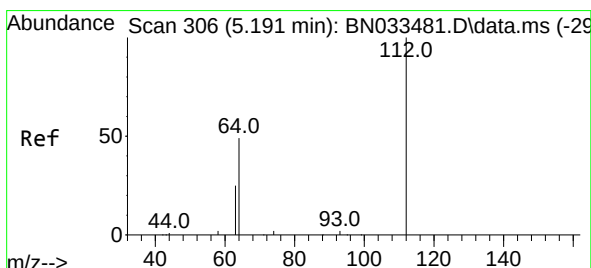
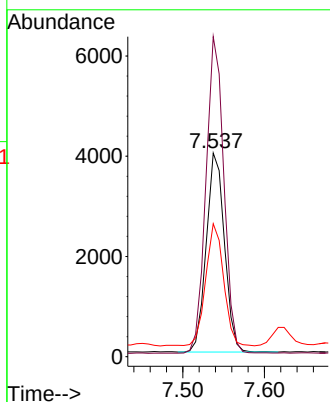
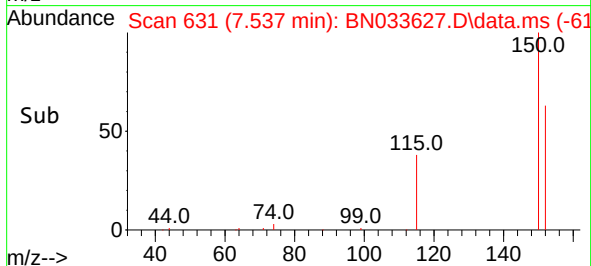
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:152 Resp: 6159
Ion Ratio Lower Upper
152 100
150 157.1 122.2 183.2
115 65.3 47.2 70.8

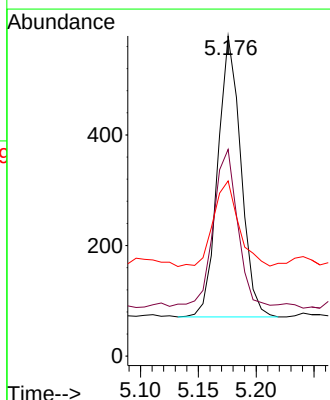
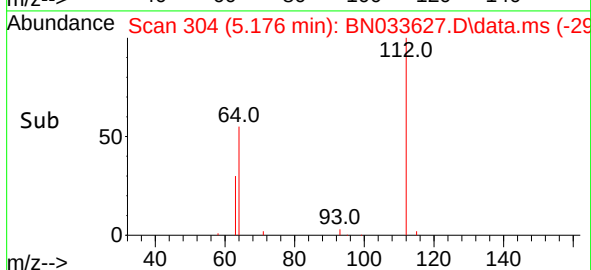
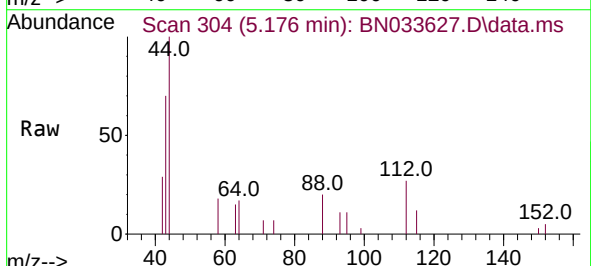
Manual Integrations
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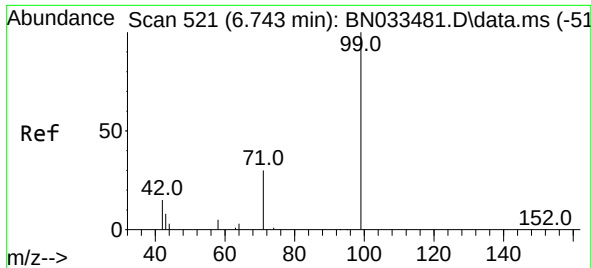
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#4
2-Fluorophenol
Concen: 0.036 ng
RT: 5.176 min Scan# 304
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

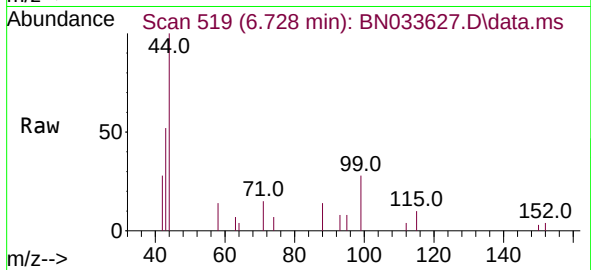
Tgt Ion:112 Resp: 704
Ion Ratio Lower Upper
112 100
64 61.6 47.1 70.7
63 33.2 24.9 37.3





#5
Phenol-d6
Concen: 0.039 ng
RT: 6.728 min Scan# 519
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

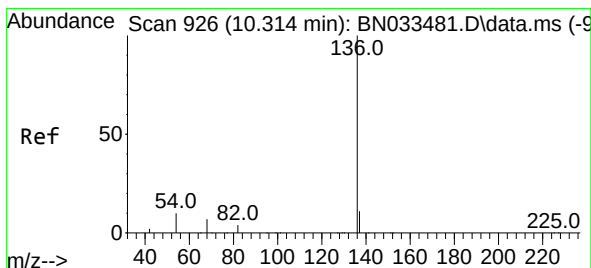
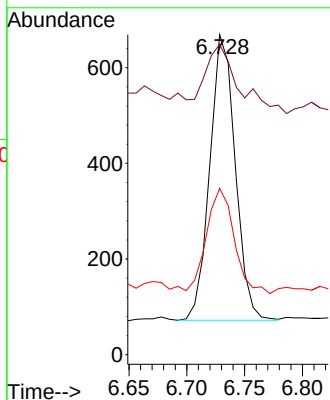
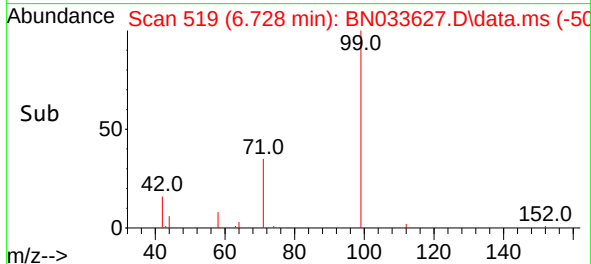
Instrument :
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ClientSampleId :
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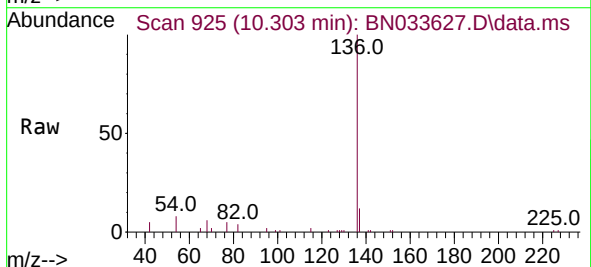
Tgt Ion: 99 Resp: 912
Ion Ratio Lower Upper
99 100
42 32.2 16.6 24.8
71 39.9 26.2 39.4

Manual Integrations
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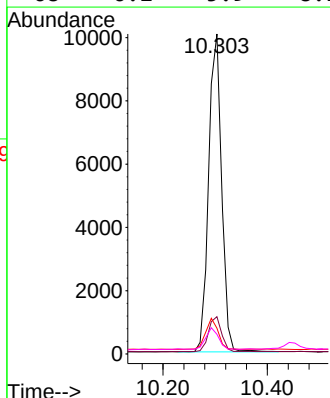
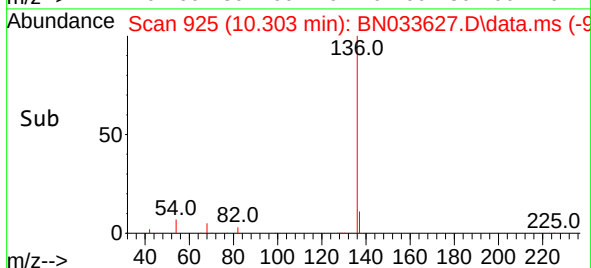
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024

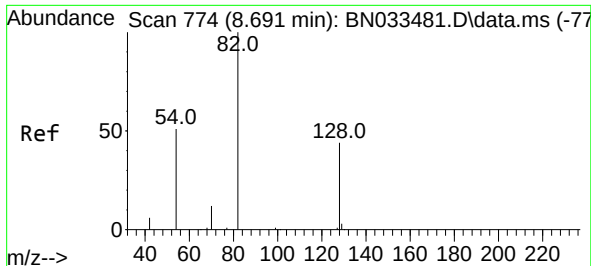


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.303 min Scan# 925
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08



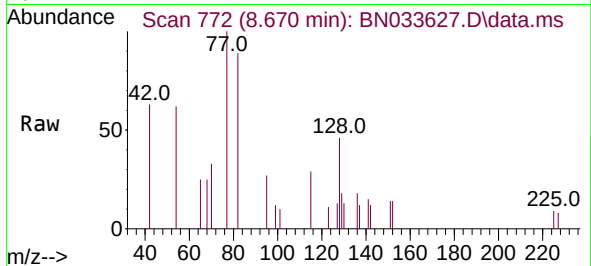
Tgt Ion:136 Resp: 17295
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 8.1 8.3 12.5
68 6.2 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.049 ng
RT: 8.670 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

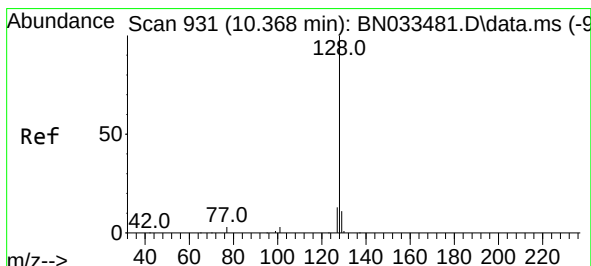
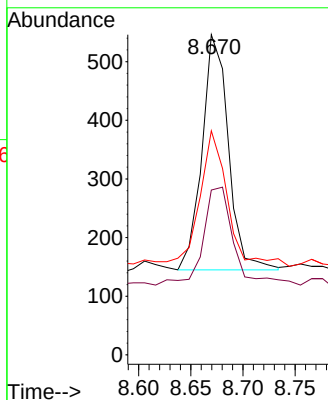
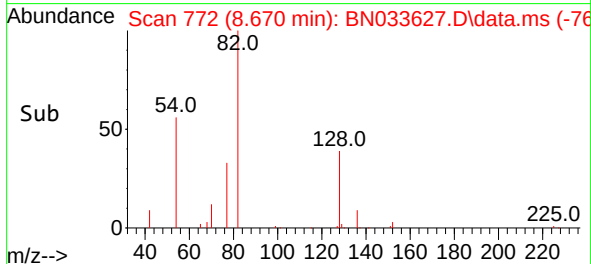
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion: 82 Resp: 709
Ion Ratio Lower Upper
82 100
128 51.5 36.0 54.0
54 70.0 42.0 63.0

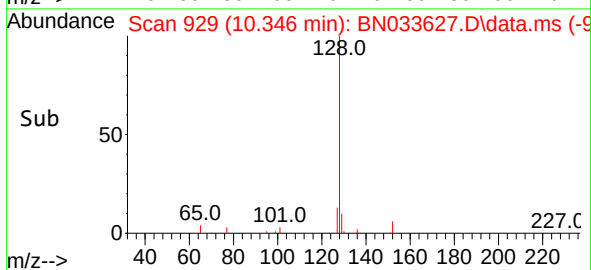
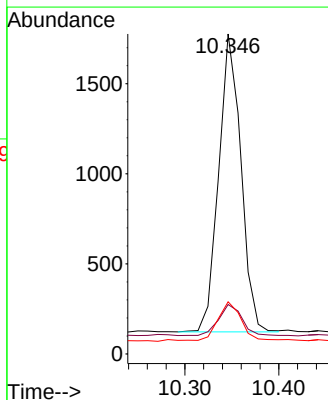
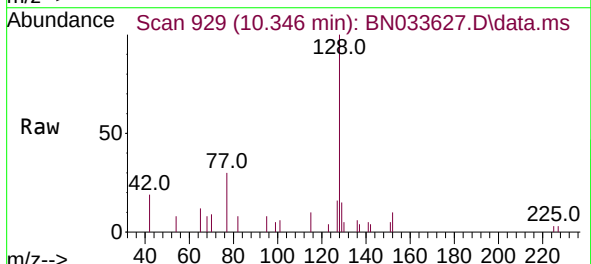
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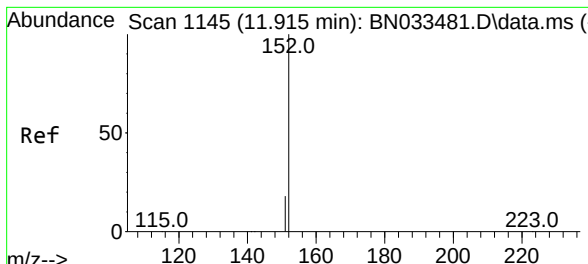
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#9
Naphthalene
Concen: 0.059 ng
RT: 10.346 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

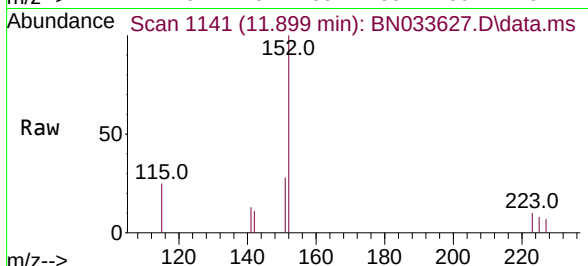
Tgt Ion:128 Resp: 2716
Ion Ratio Lower Upper
128 100
129 15.5 9.1 13.7#
127 16.3 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.038 ng
RT: 11.899 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

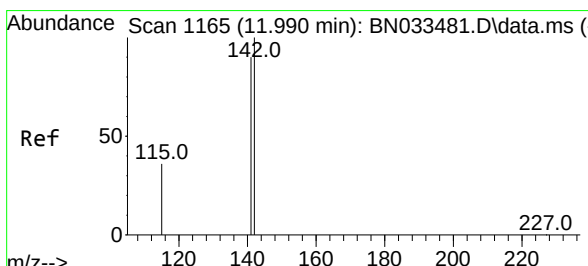
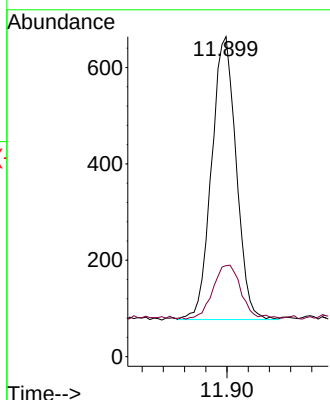
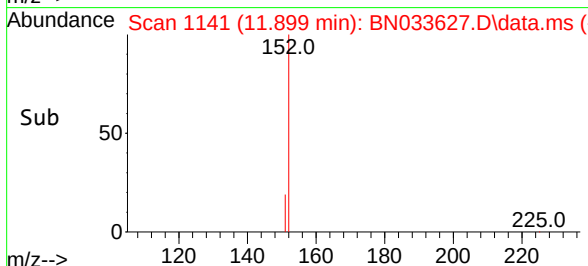
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



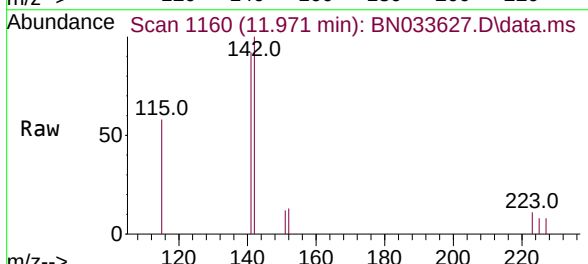
Tgt Ion:152 Resp: 948
Ion Ratio Lower Upper
152 100
151 21.9 16.6 25.0

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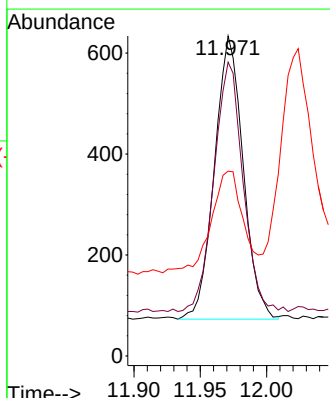
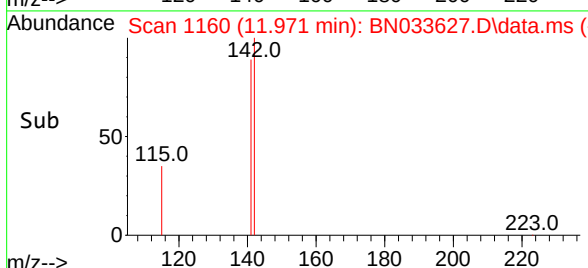
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024

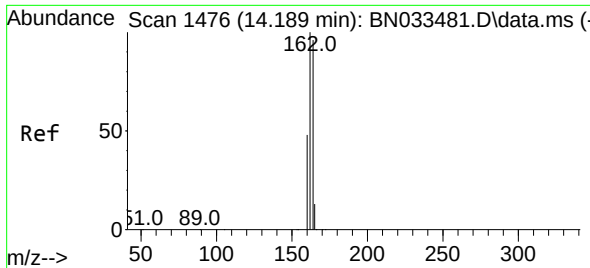


#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 11.971 min Scan# 1160
Delta R.T. -0.008 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08



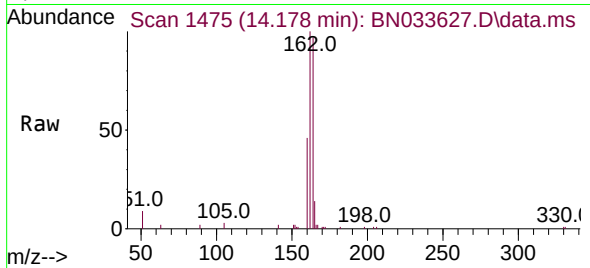
Tgt Ion:142 Resp: 843
Ion Ratio Lower Upper
142 100
141 91.8 71.7 107.5
115 57.7 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1476
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

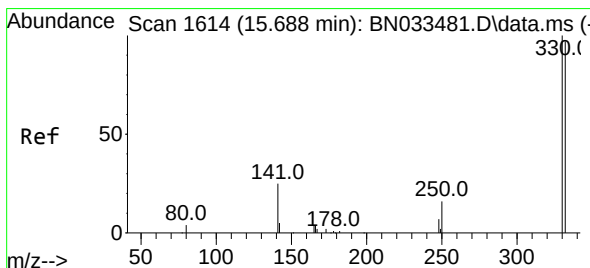
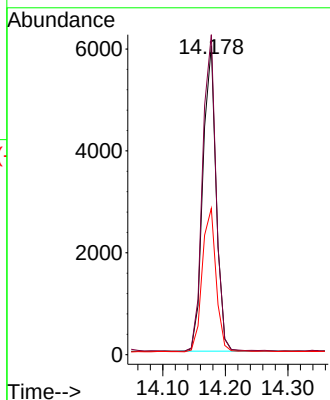
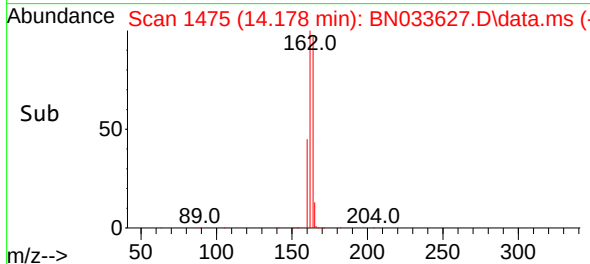
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:164 Resp: 8800
Ion Ratio Lower Upper
164 100
162 103.6 83.5 125.3
160 47.4 40.2 60.4

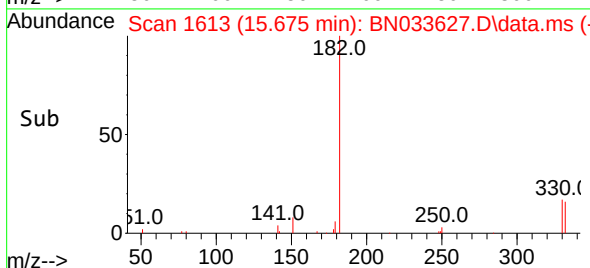
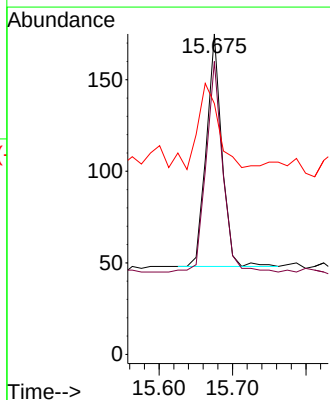
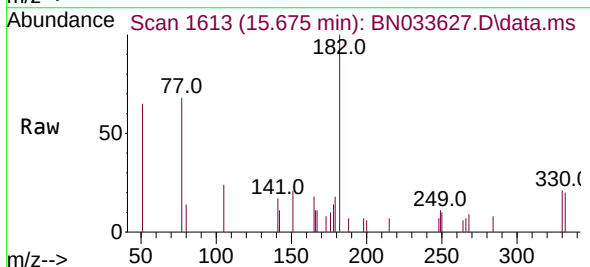
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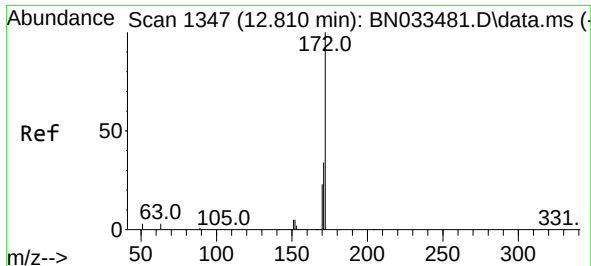
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#14
2,4,6-Tribromophenol
Concen: 0.039 ng
RT: 15.675 min Scan# 1613
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

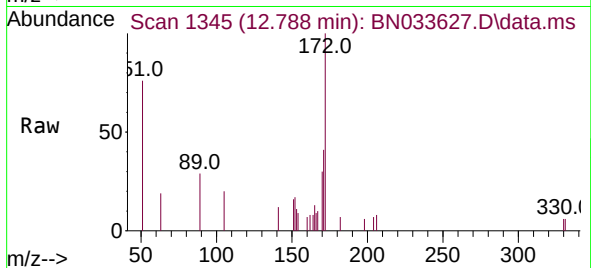
Tgt Ion:330 Resp: 186
Ion Ratio Lower Upper
330 100
332 97.3 77.5 116.3
141 48.9 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 12.788 min Scan# 1185
Delta R.T. -0.011 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

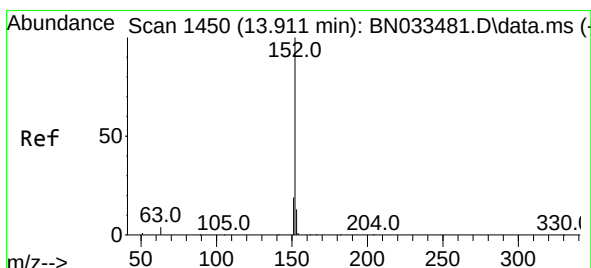
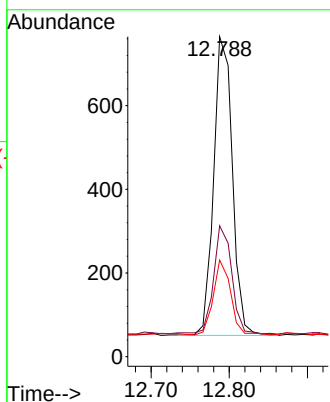
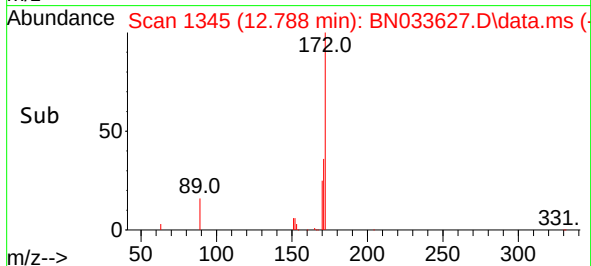
Instrument : BNA_N
ClientSampleId : S-901-J-0-0.5-081624DL



Tgt Ion:172 Resp: 1185
Ion Ratio Lower Upper
172 100
171 40.9 27.7 41.5
170 30.2 18.3 27.5

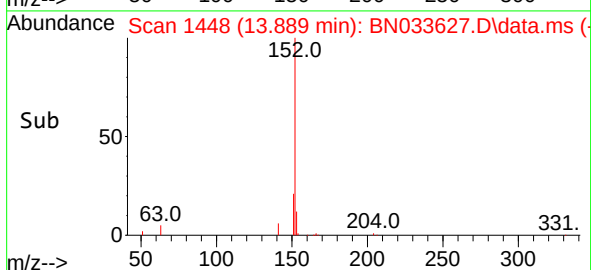
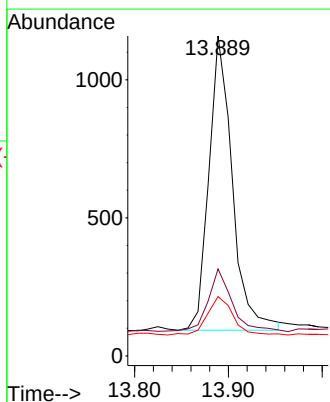
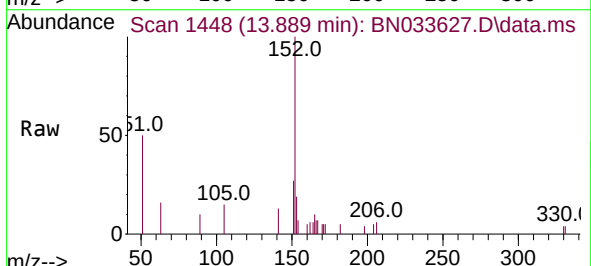
Manual Integrations
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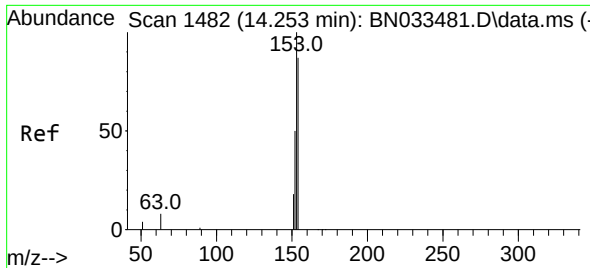
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#16
Acenaphthylene
Concen: 0.048 ng
RT: 13.889 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

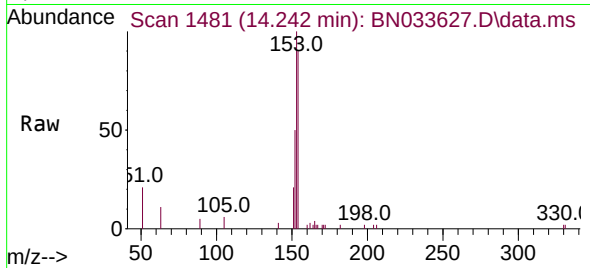
Tgt Ion:152 Resp: 1851
Ion Ratio Lower Upper
152 100
151 21.4 15.7 23.5
153 14.0 10.3 15.5





#17
Acenaphthene
Concen: 0.156 ng
RT: 14.242 min Scan# 1482
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

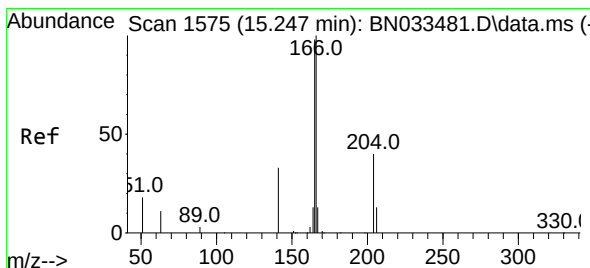
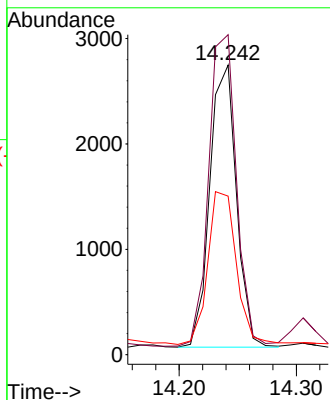
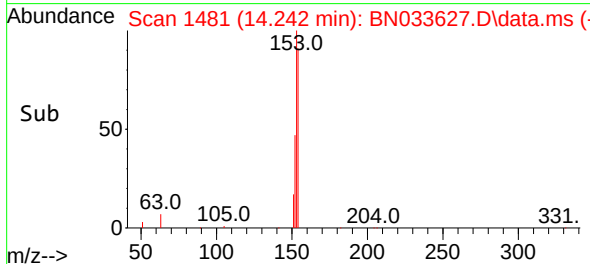
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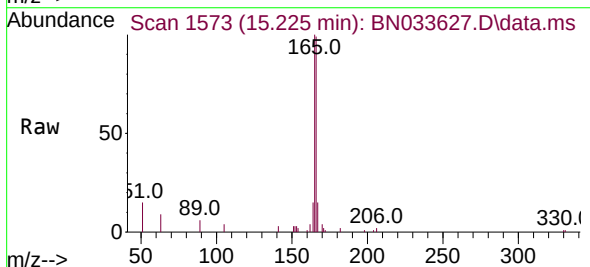
Tgt Ion:154 Resp: 4238
Ion Ratio Lower Upper
154 100
153 114.4 89.0 133.6
152 57.6 45.2 67.8

Manual Integrations
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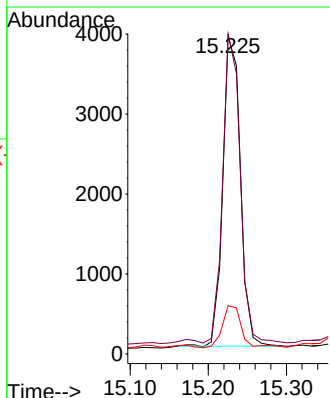
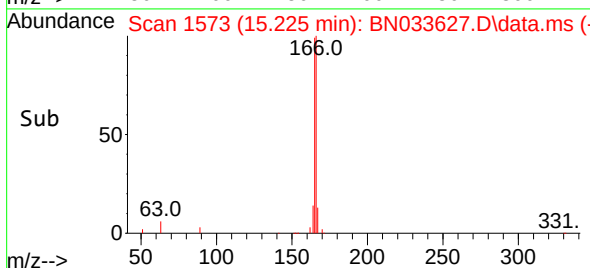
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024

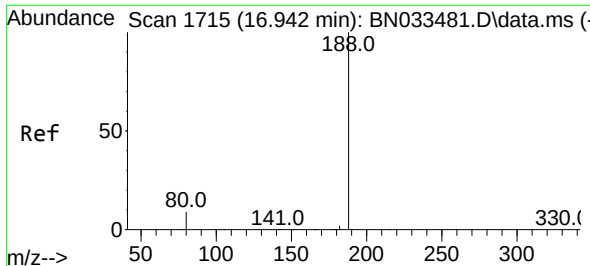


#18
Fluorene
Concen: 0.176 ng
RT: 15.225 min Scan# 1573
Delta R.T. -0.011 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08



Tgt Ion:166 Resp: 6031
Ion Ratio Lower Upper
166 100
165 99.0 78.2 117.4
167 14.9 10.6 16.0





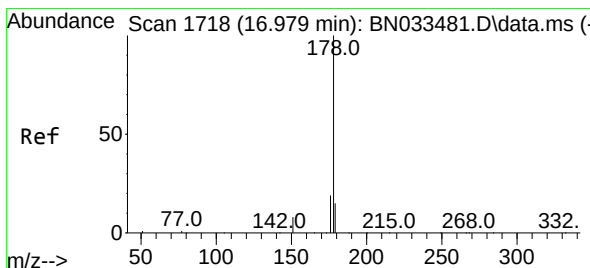
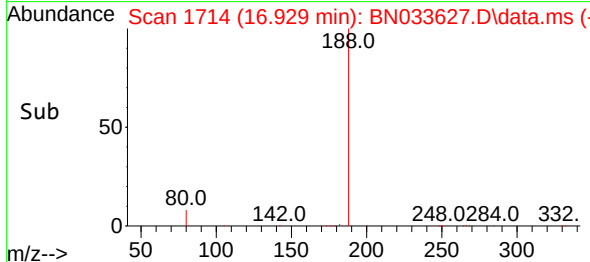
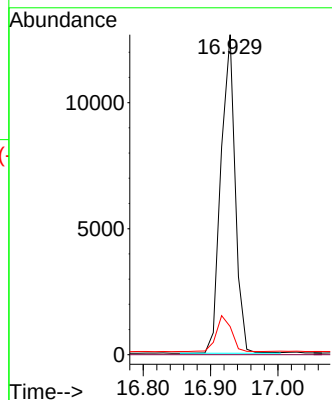
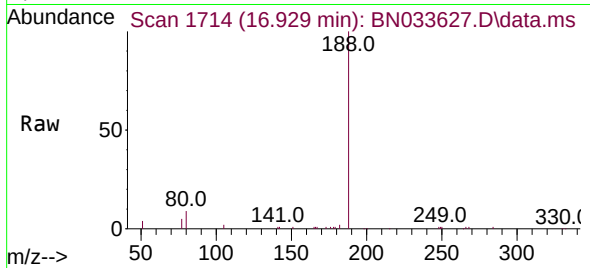
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL

Tgt Ion:188 Resp: 18608
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.8 7.8 11.8

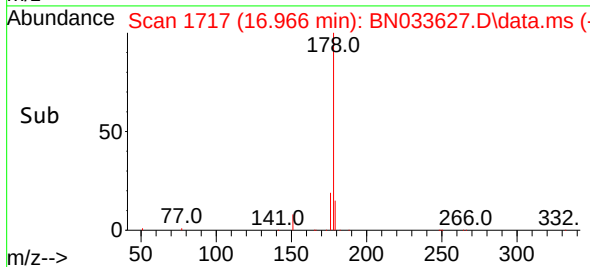
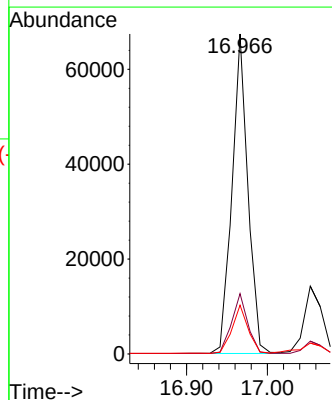
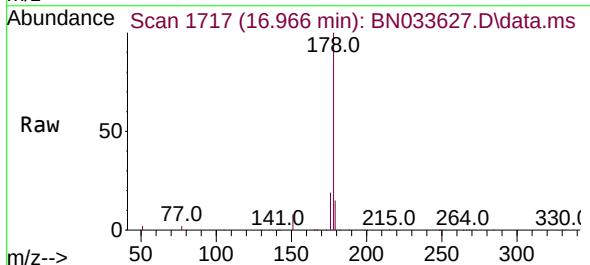
Manual Integrations
APPROVED

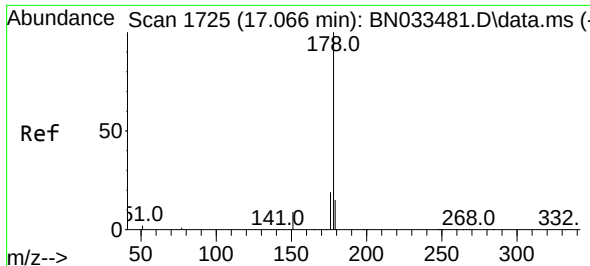
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#25
Phenanthrene
Concen: 1.784 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

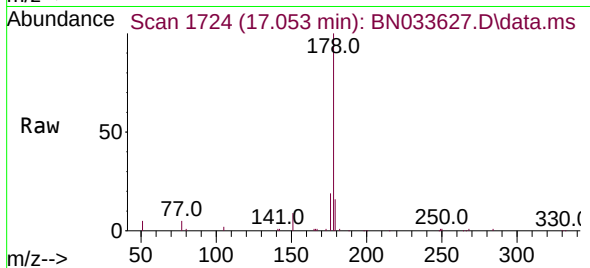
Tgt Ion:178 Resp: 92348
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.0 12.3 18.5





#26
 Anthracene
 Concen: 0.461 ng
 RT: 17.053 min Scan# 1724
 Delta R.T. -0.013 min
 Lab File: BN033627.D
 Acq: 26 Aug 2024 18:08

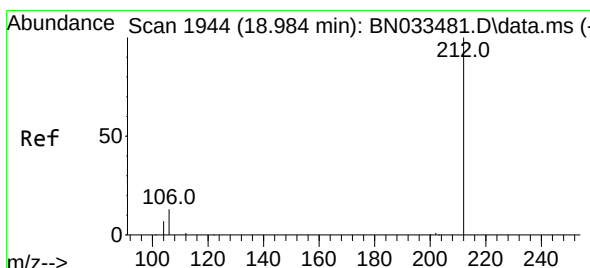
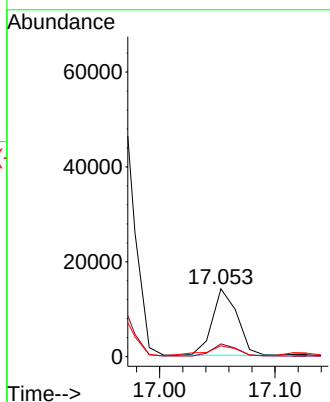
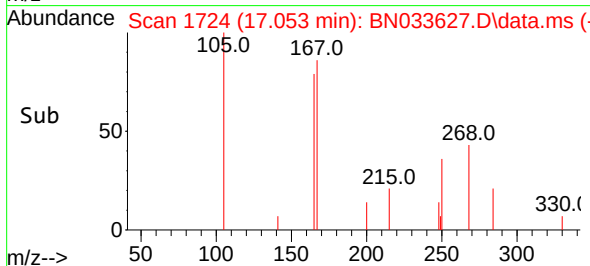
Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0-0.5-081624DL



Tgt Ion:178 Resp: 2110
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 18.6 12.4 18.6

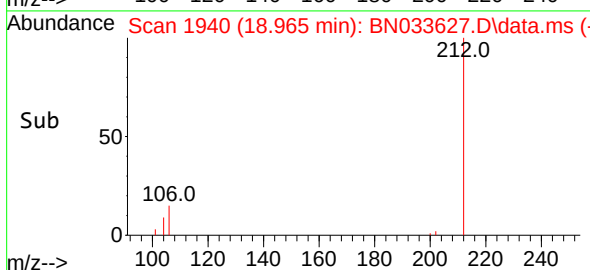
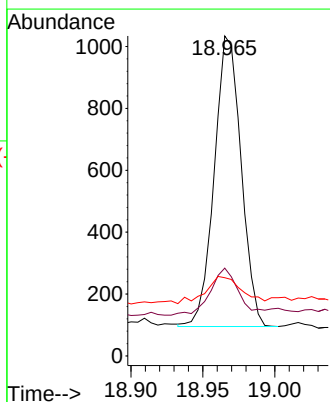
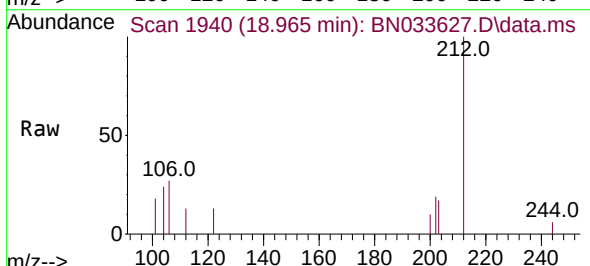
Manual Integrations
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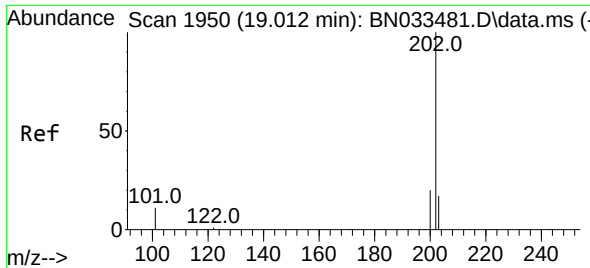
Reviewed By :Jagrut Upadhyay 08/27/2024
 Supervised By :mohammad ahmed 08/28/2024



#27
 Fluoranthene-d10
 Concen: 0.027 ng
 RT: 18.965 min Scan# 1940
 Delta R.T. -0.005 min
 Lab File: BN033627.D
 Acq: 26 Aug 2024 18:08

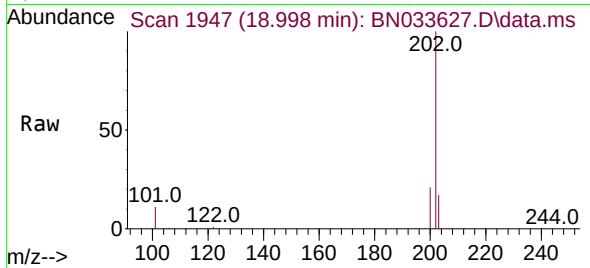
Tgt Ion:212 Resp: 1219
 Ion Ratio Lower Upper
 212 100
 106 17.0 12.3 18.5
 104 12.1 7.0 10.4





#28
Fluoranthene
Concen: 3.055 ng
RT: 18.998 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

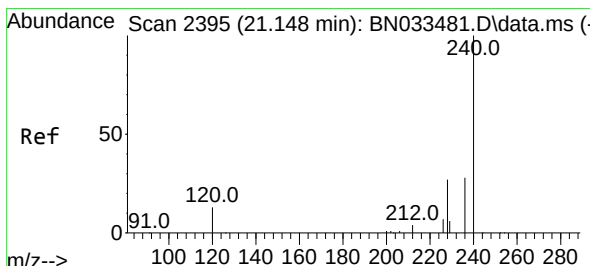
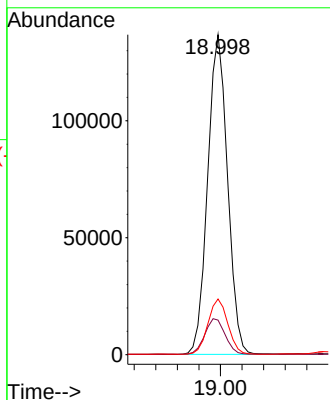
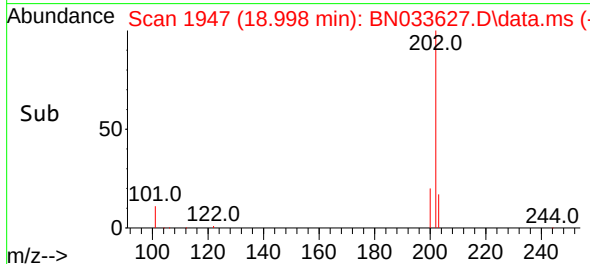
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:202 Resp: 17478
Ion Ratio Lower Upper
202 100
101 11.4 9.5 14.3
203 17.3 13.8 20.6

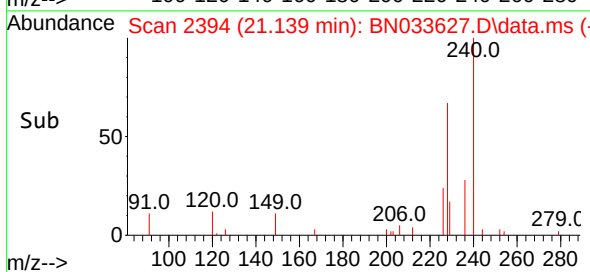
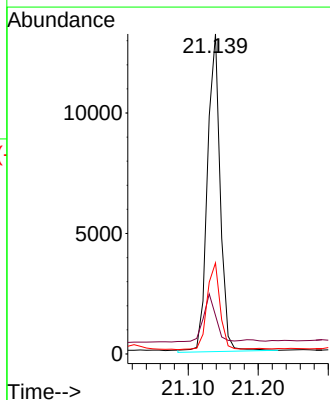
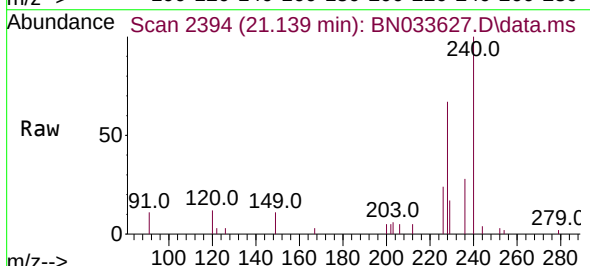
Manual Integrations
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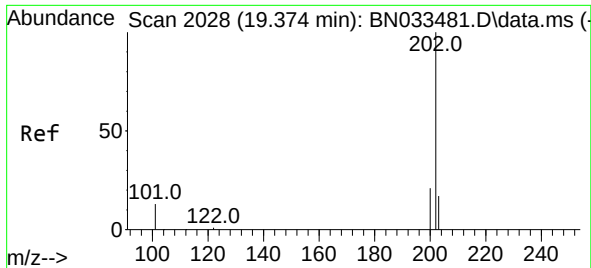
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

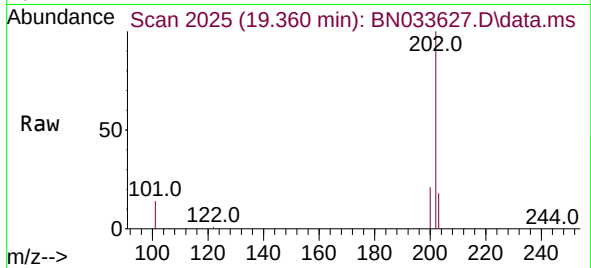
Tgt Ion:240 Resp: 16818
Ion Ratio Lower Upper
240 100
120 12.1 12.4 18.6#
236 28.5 23.0 34.6





#30
Pyrene
Concen: 1.956 ng
RT: 19.360 min Scan# 2028
Delta R.T. -0.005 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

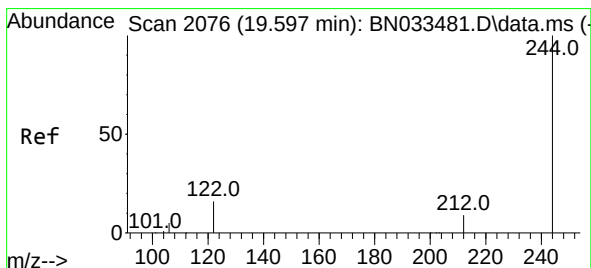
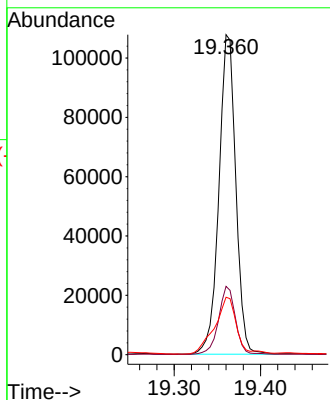
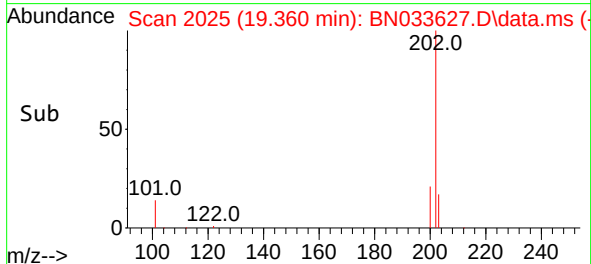
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:202 Resp: 146808
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 22.8 14.2 21.4

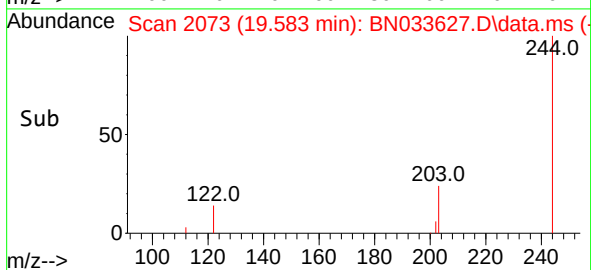
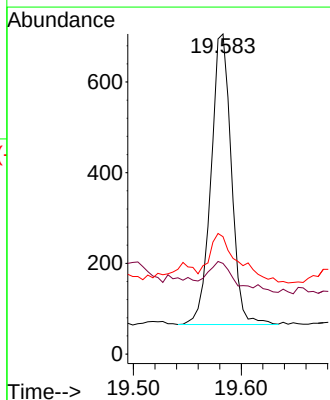
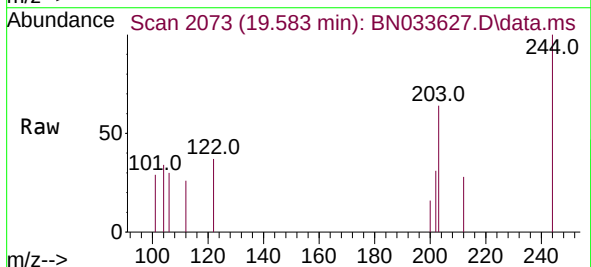
Manual Integrations
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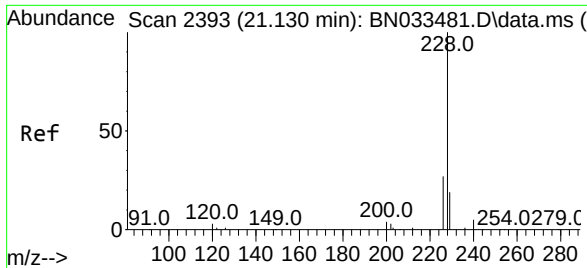
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#31
Terphenyl-d14
Concen: 0.022 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

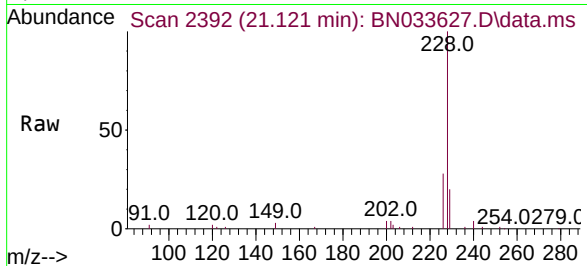
Tgt Ion:244 Resp: 837
Ion Ratio Lower Upper
244 100
212 28.3 7.8 11.6#
122 36.7 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 1.316 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

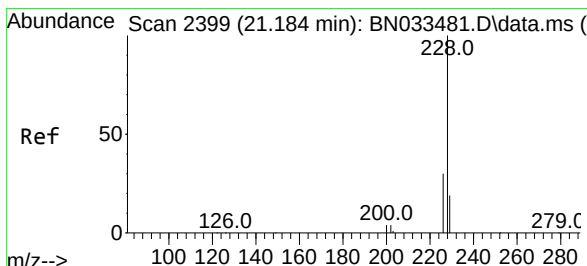
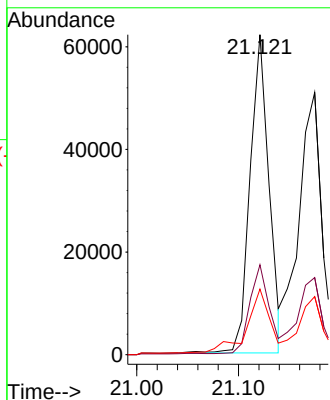
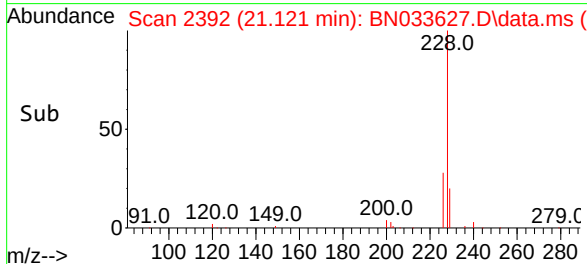
Instrument : BNA_N
ClientSampleId : S-901-J-0-0.5-081624DL



Tgt Ion:228 Resp: 80028
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.6
229 20.5 15.8 23.6

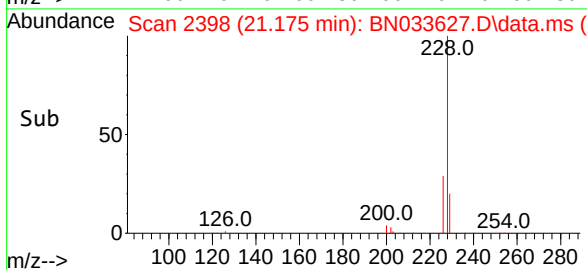
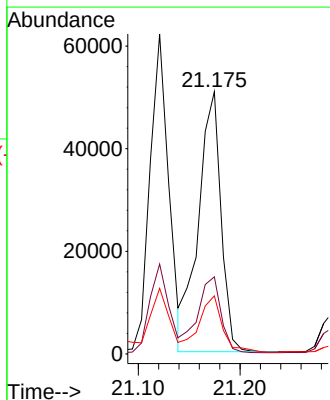
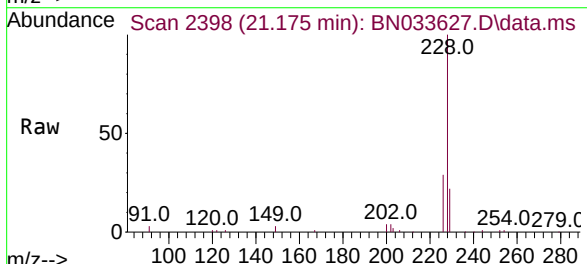
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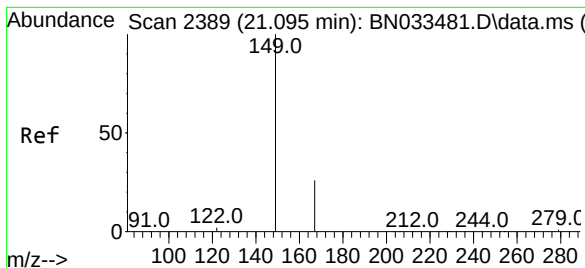
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#33
Chrysene
Concen: 1.298 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

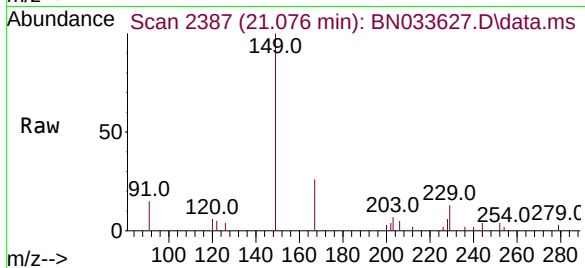
Tgt Ion:228 Resp: 78466
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 22.1 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.267 ng m
RT: 21.076 min Scan# 2107
Delta R.T. -0.009 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

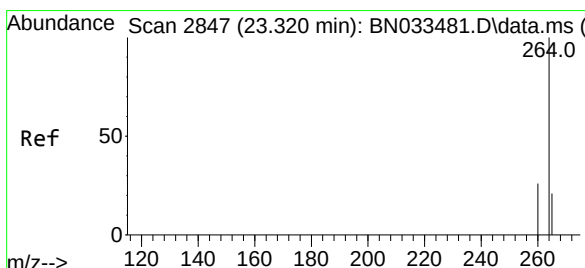
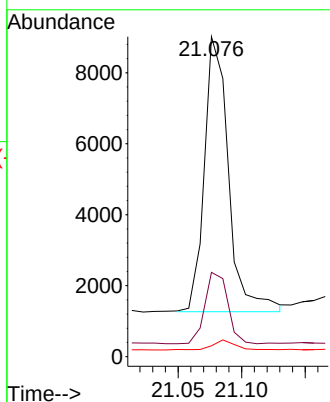
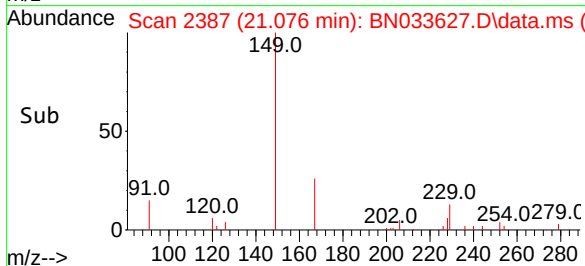
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:149 Resp: 10272
Ion Ratio Lower Upper
149 100
167 29.6 21.5 32.3
279 19.9 2.2 3.2

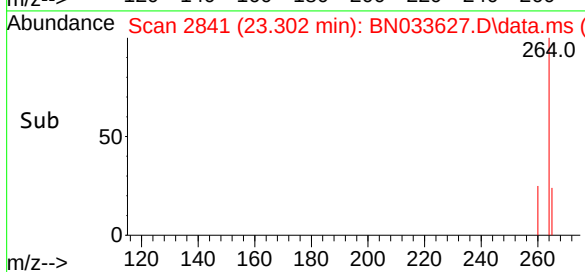
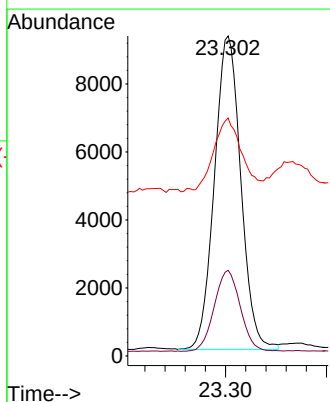
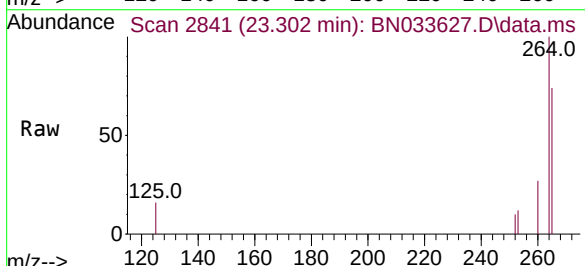
Manual Integrations
APPROVED

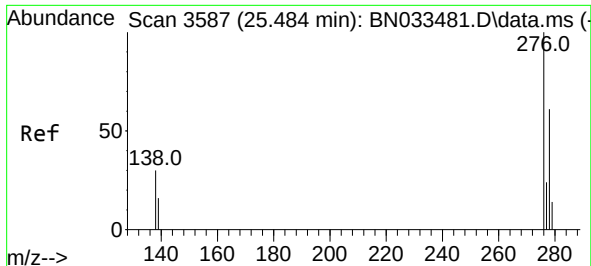
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.302 min Scan# 2841
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

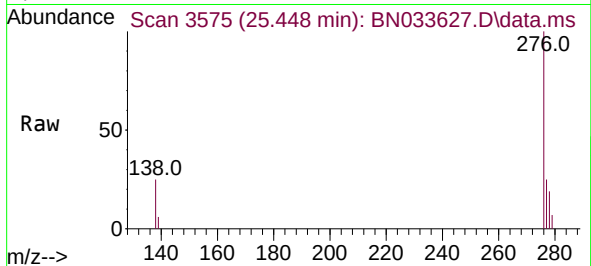
Tgt Ion:264 Resp: 16722
Ion Ratio Lower Upper
264 100
260 26.7 20.8 31.2
265 74.3 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.652 ng
RT: 25.448 min Scan# 3587
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

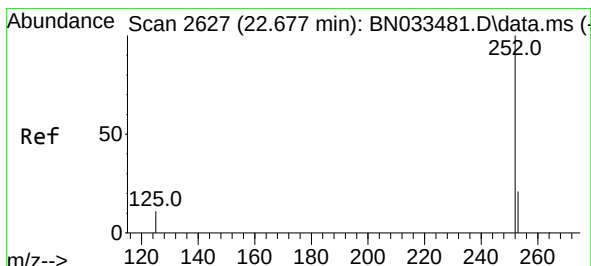
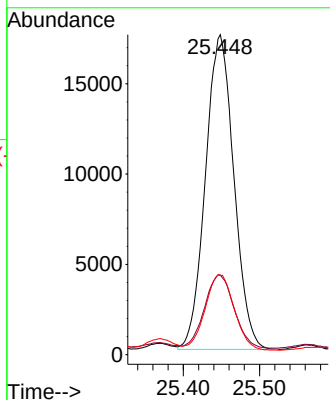
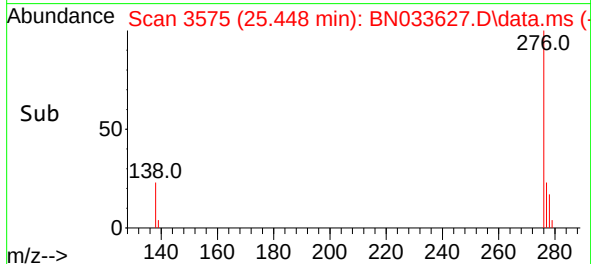
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:276 Resp: 45239
Ion Ratio Lower Upper
276 100
138 24.1 24.4 36.6
277 24.7 19.8 29.6

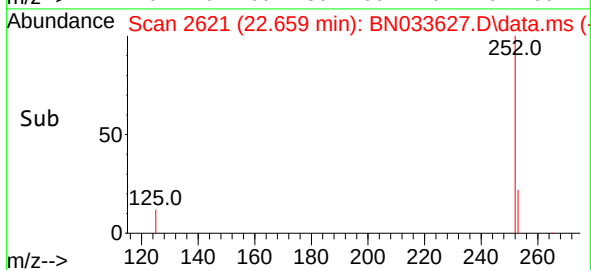
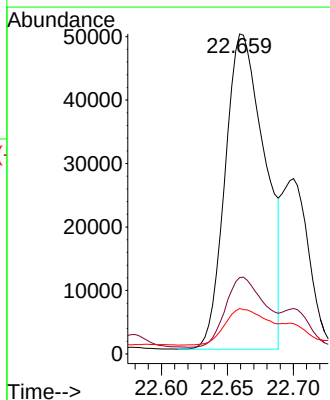
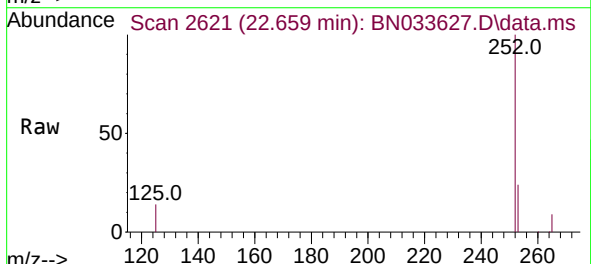
Manual Integrations
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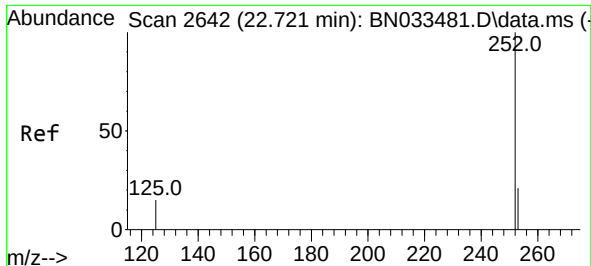
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#37
Benzo(b)fluoranthene
Concen: 1.667 ng
RT: 22.659 min Scan# 2621
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

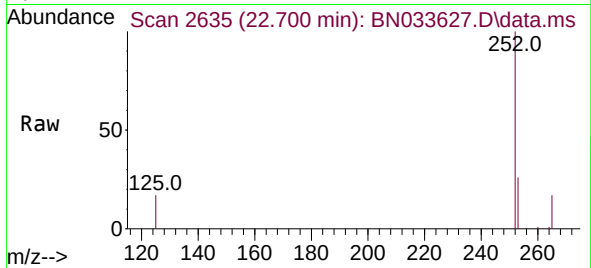
Tgt Ion:252 Resp: 104124
Ion Ratio Lower Upper
252 100
253 23.9 19.8 29.8
125 14.2 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 0.626 ng m
RT: 22.700 min Scan# 20
Delta R.T. -0.003 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

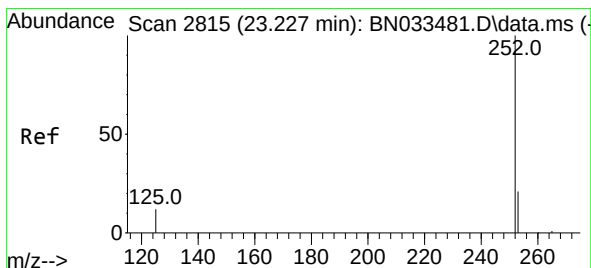
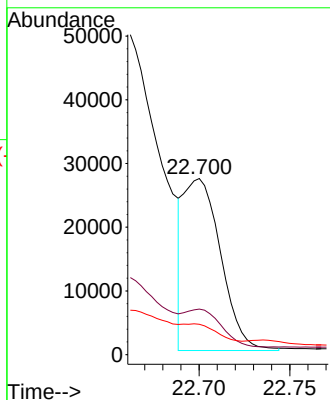
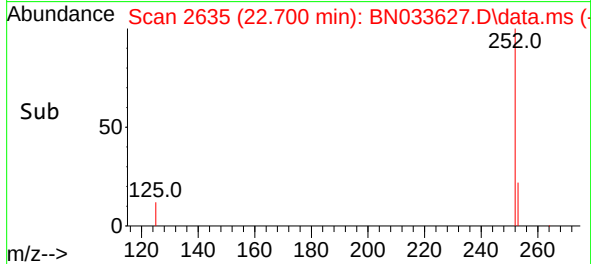
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:252 Resp: 38474
Ion Ratio Lower Upper
252 100
253 25.9 19.8 29.8
125 17.3 15.8 23.8

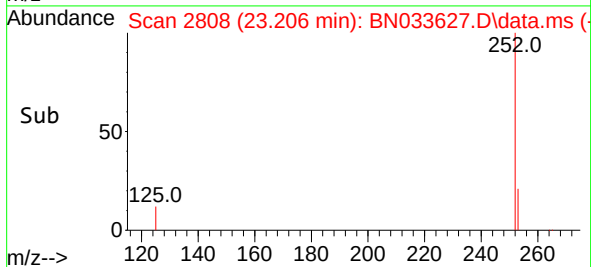
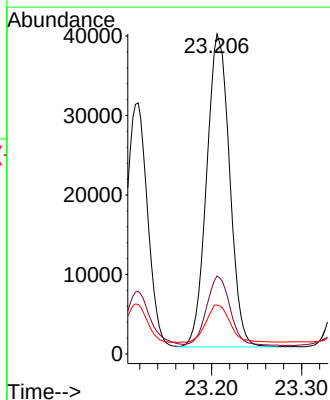
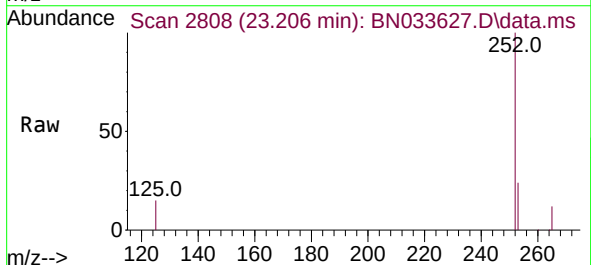
Manual Integrations
APPROVED

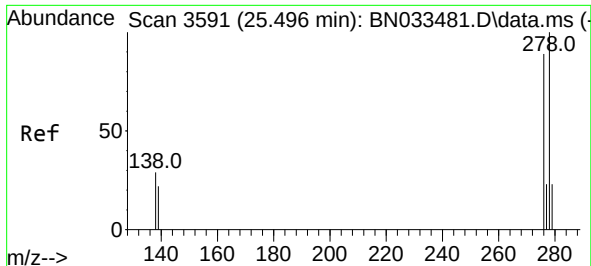
Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#39
Benzo(a)pyrene
Concen: 1.351 ng m
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

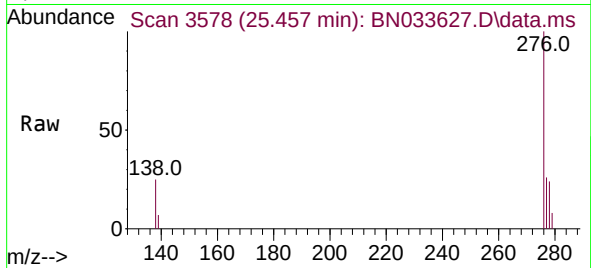
Tgt Ion:252 Resp: 69825
Ion Ratio Lower Upper
252 100
253 24.3 21.5 32.3
125 15.3 17.0 25.4#





#40
Dibenzo(a,h)anthracene
Concen: 0.198 ng
RT: 25.457 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

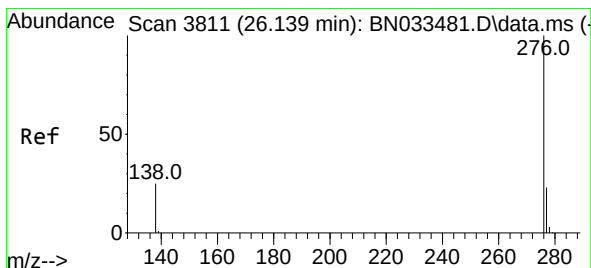
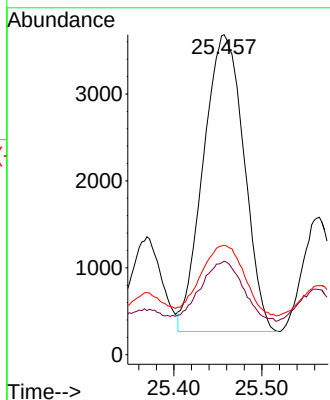
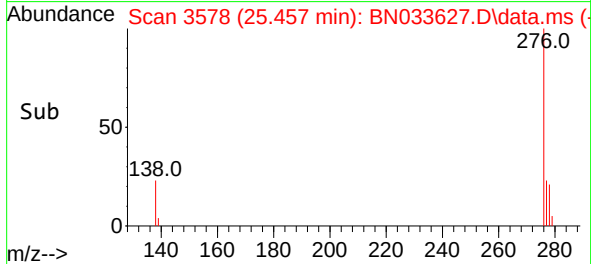
Instrument :
BNA_N
ClientSampleId :
S-901-J-0-0.5-081624DL



Tgt Ion:278 Resp: 10960
Ion Ratio Lower Upper
278 100
139 29.2 19.1 28.7
279 34.1 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/27/2024
Supervised By :mohammad ahmed 08/28/2024



#41
Benzo(g,h,i)perylene
Concen: 0.745 ng
RT: 26.103 min Scan# 3799
Delta R.T. -0.001 min
Lab File: BN033627.D
Acq: 26 Aug 2024 18:08

Tgt Ion:276 Resp: 44204
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 25.8 21.8 32.6

