

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033575.D
 Acq On : 23 Aug 2024 05:18
 Operator : MA/JU
 Sample : P3671-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 05:56:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8161	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20804	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10684	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19994	0.400	ng	0.00
29) Chrysene-d12	21.139	240	20246	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	21193	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4054	0.156	ng	0.00
5) Phenol-d6	6.736	99	4771	0.155	ng	0.00
8) Nitrobenzene-d5	8.681	82	3309	0.192	ng	0.00
11) 2-Methylnaphthalene-d10	11.900	152	4915	0.165	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	930	0.162	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6630	0.152	ng	0.00
27) Fluoranthene-d10	18.970	212	7798	0.162	ng	0.00
31) Terphenyl-d14	19.584	244	5627	0.122	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.357	128	5094	0.092	ng	# 95
12) 2-Methylnaphthalene	11.975	142	2432	0.069	ng	# 94
16) Acenaphthylene	13.900	152	7656	0.163	ng	98
17) Acenaphthene	14.242	154	21932	0.665	ng	98
18) Fluorene	15.236	166	28501	0.686	ng	95
25) Phenanthrene	16.967	178	637000	11.452	ng	100
26) Anthracene	17.066	178	108356	2.202	ng	# 95
28) Fluoranthene	19.003	202	1359855	22.123	ng	100
30) Pyrene	19.365	202	1125075	12.451	ng	# 94
32) Benzo(a)anthracene	21.122	228	585697	8.002	ng	98
33) Chrysene	21.175	228	628331	8.636	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	64308m	1.388	ng	
36) Indeno(1,2,3-cd)pyrene	25.449	276	414919	4.716	ng	95
37) Benzo(b)fluoranthene	22.660	252	851426	10.758	ng	# 92
38) Benzo(k)fluoranthene	22.698	252	288714m	3.706	ng	
39) Benzo(a)pyrene	23.206	252	574088m	8.767	ng	
40) Dibenzo(a,h)anthracene	25.458	278	93909	1.335	ng	98
41) Benzo(g,h,i)perylene	26.107	276	410026	5.450	ng	98

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

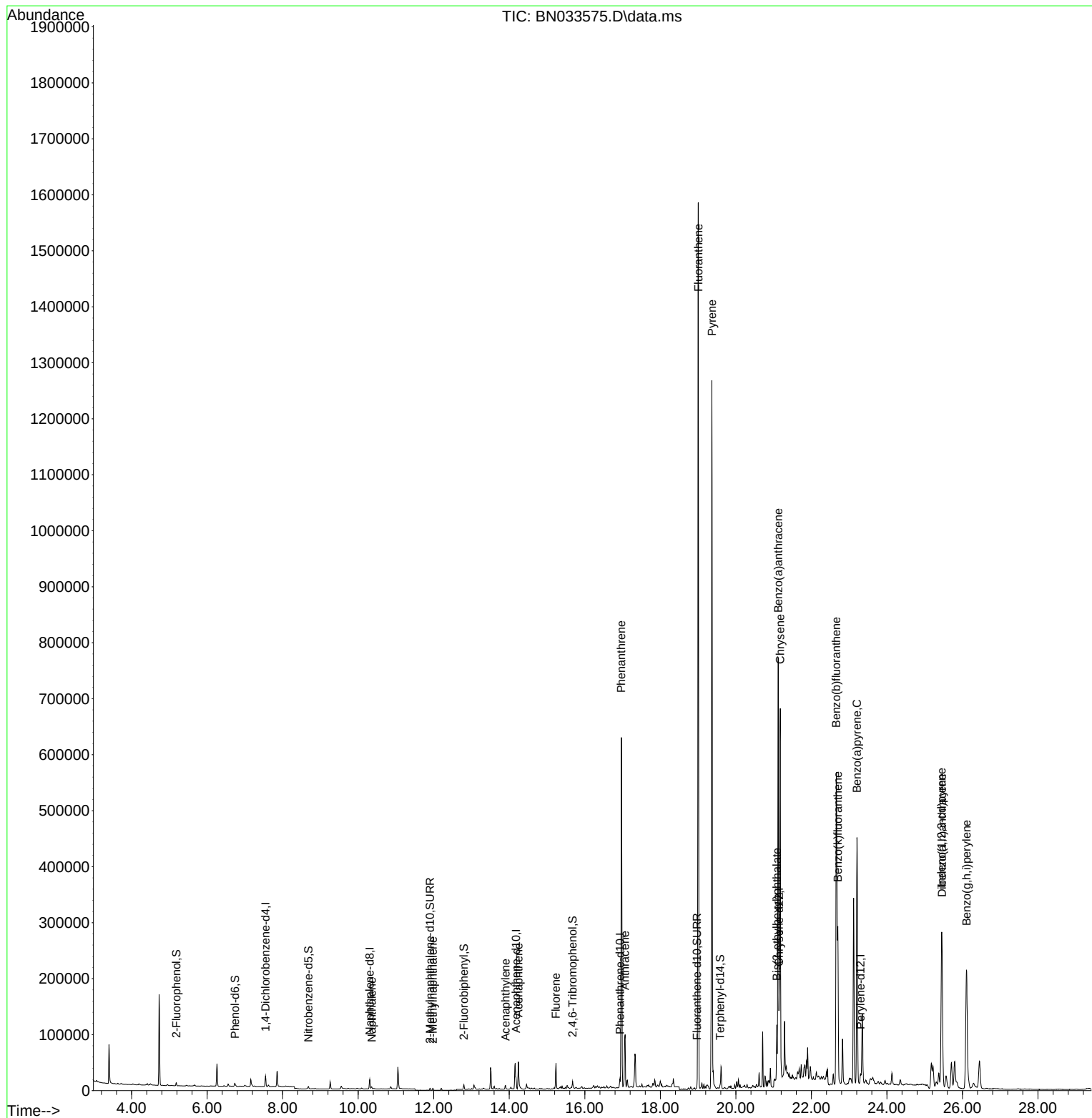
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033575.D
Acq On : 23 Aug 2024 05:18
Operator : MA/JU
Sample : P3671-12
Misc :
ALS Vial : 32 Sample Multiplier: 1

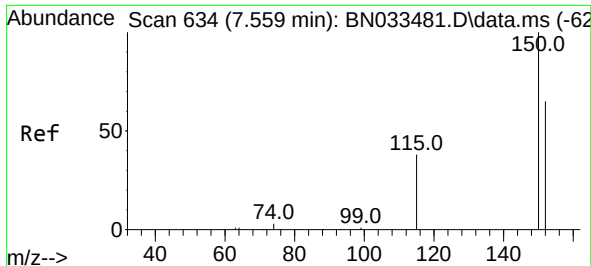
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 05:56:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 00:22:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

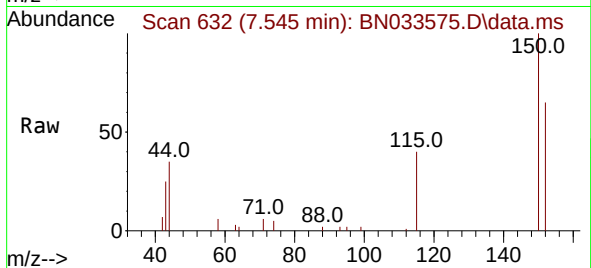
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

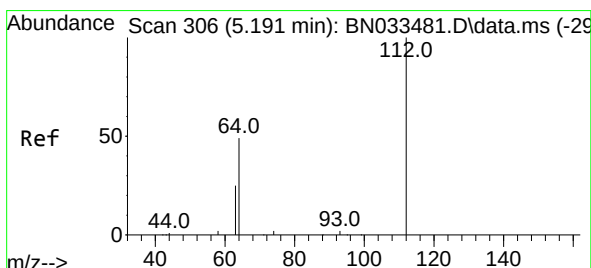
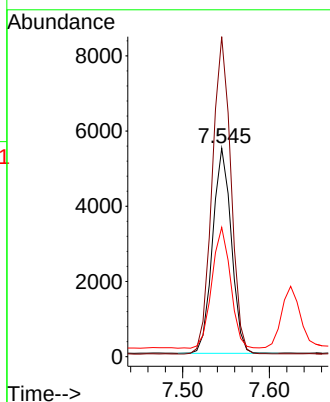
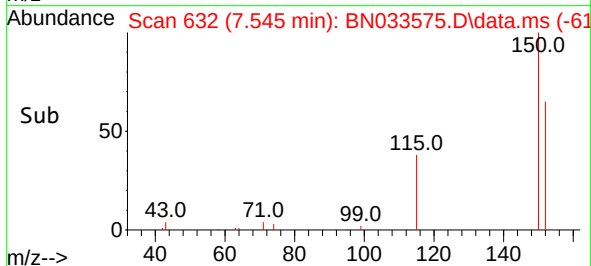
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:152 Resp: 816
Ion Ratio Lower Upper
152 100
150 153.5 122.2 183.2
115 62.0 47.2 70.8

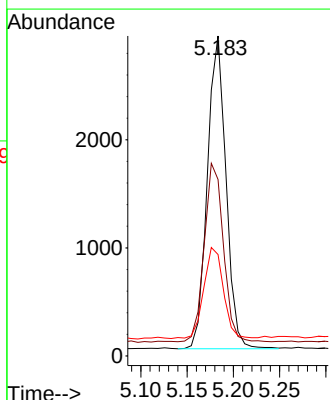
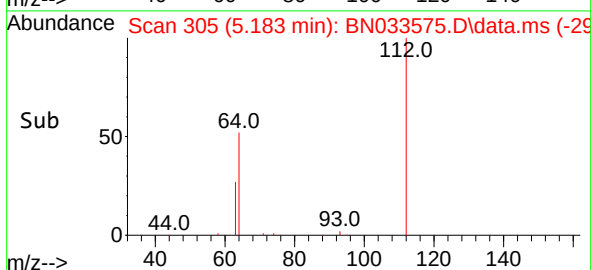
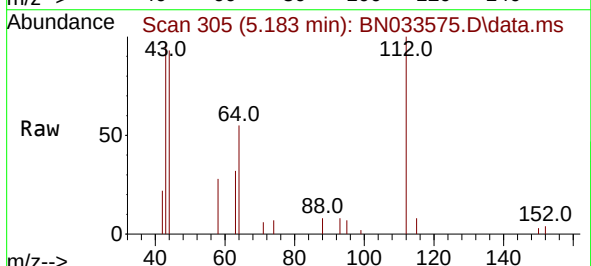
Manual Integrations
APPROVED

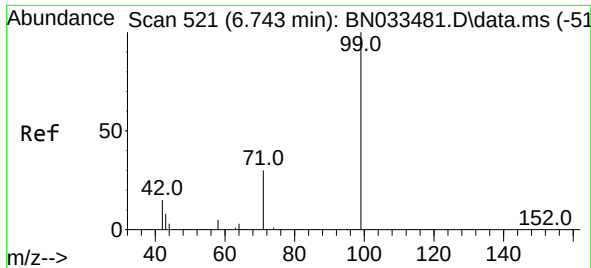
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.156 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

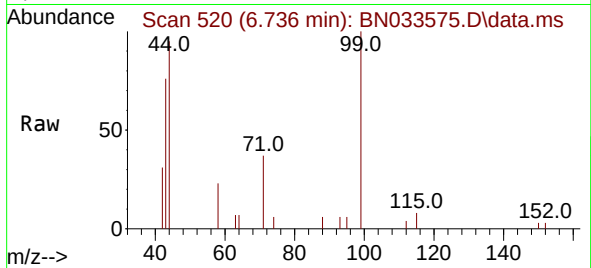
Tgt Ion:112 Resp: 4054
Ion Ratio Lower Upper
112 100
64 58.4 47.1 70.7
63 30.4 24.9 37.3





#5
Phenol-d6
Concen: 0.155 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

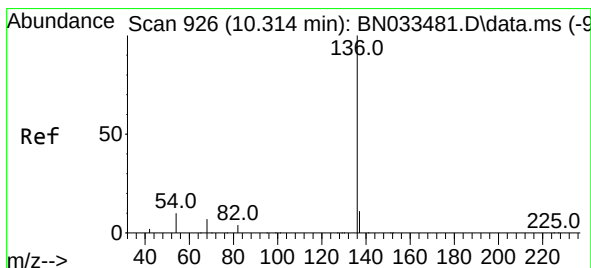
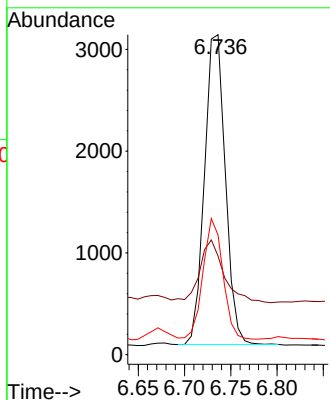
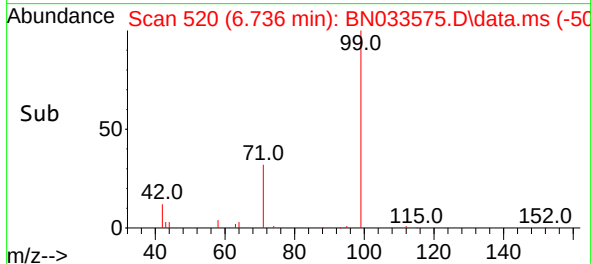
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion: 99 Resp: 477
Ion Ratio Lower Upper
99 100
42 23.5 16.6 24.8
71 37.3 26.2 39.4

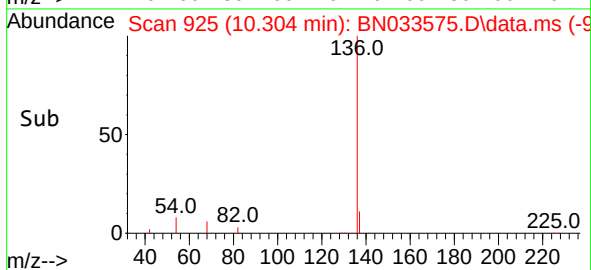
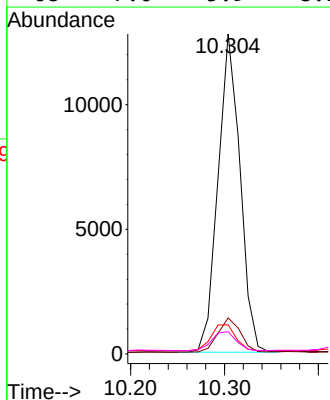
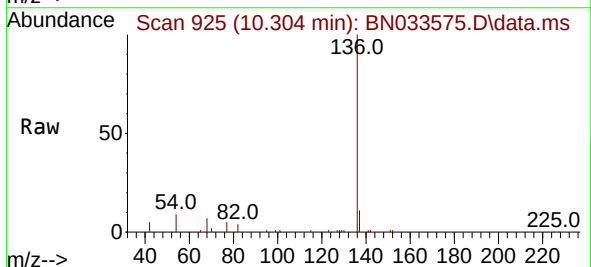
Manual Integrations
APPROVED

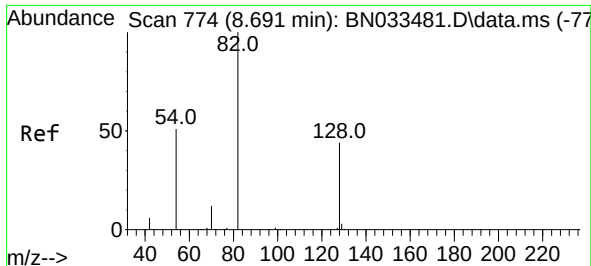
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:136 Resp: 20804
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.1 8.3 12.5
68 7.0 5.9 8.9





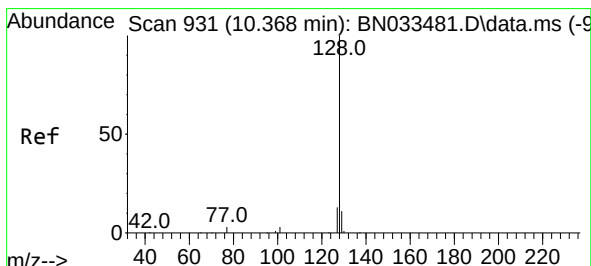
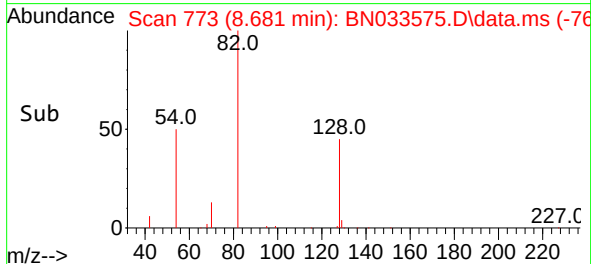
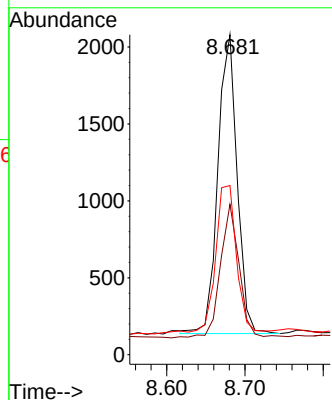
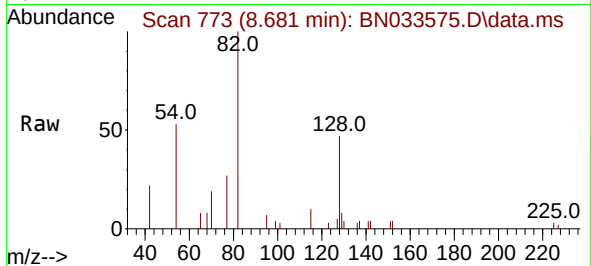
#8
Nitrobenzene-d5
Concen: 0.192 ng
RT: 8.681 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Tgt Ion: 82 Resp: 3309
Ion Ratio Lower Upper
82 100
128 47.0 36.0 54.0
54 52.8 42.0 63.0

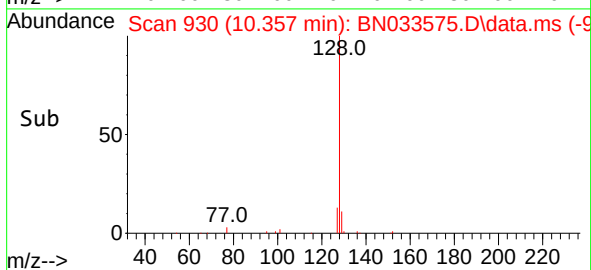
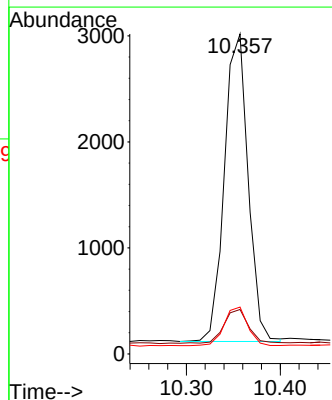
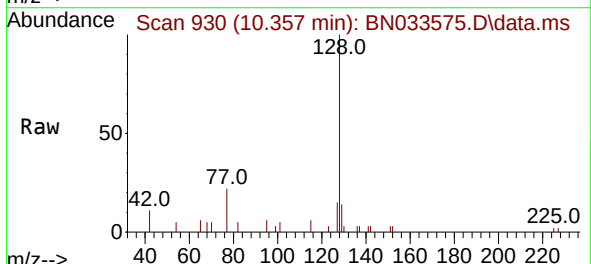
Manual Integrations
APPROVED

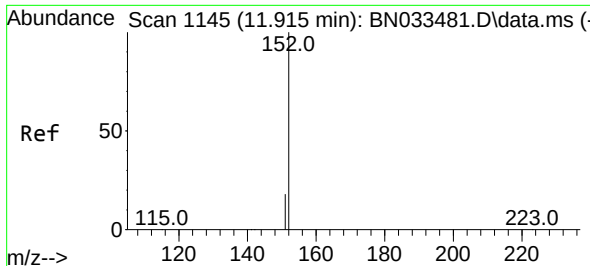
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#9
Naphthalene
Concen: 0.092 ng
RT: 10.357 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

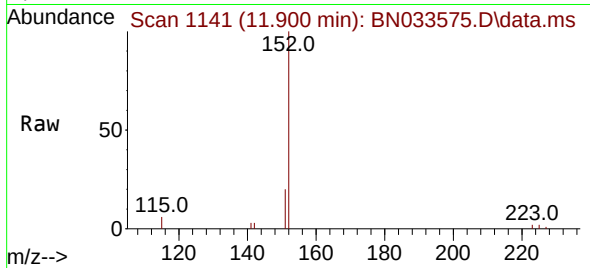
Tgt Ion:128 Resp: 5094
Ion Ratio Lower Upper
128 100
129 13.9 9.1 13.7#
127 14.6 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.165 ng
RT: 11.900 min Scan# 1145
Delta R.T. -0.004 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

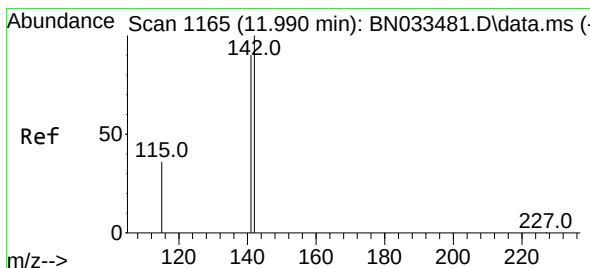
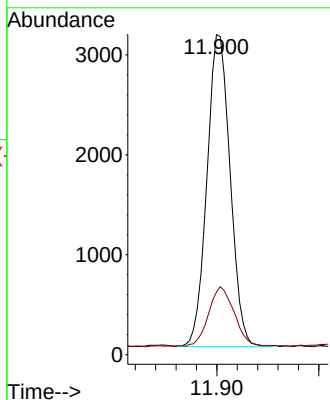
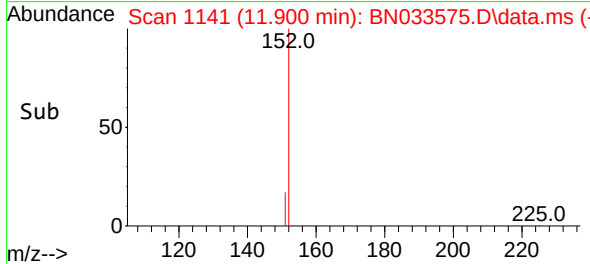
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



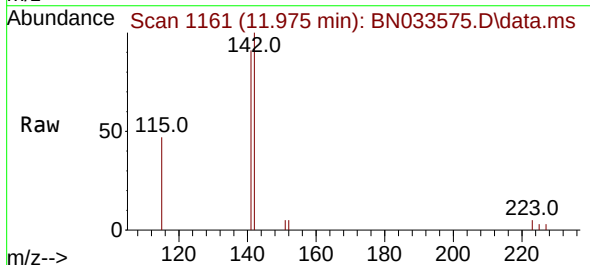
Tgt Ion:152 Resp: 4915
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0

Manual Integrations
APPROVED

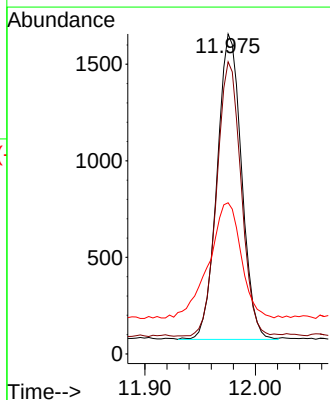
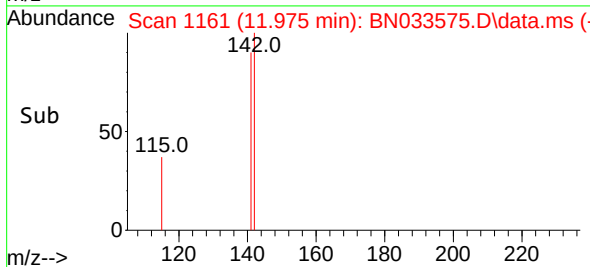
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

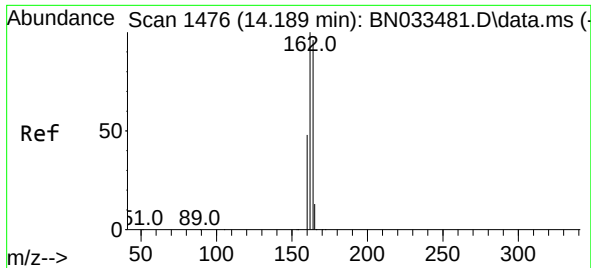


#12
2-Methylnaphthalene
Concen: 0.069 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18



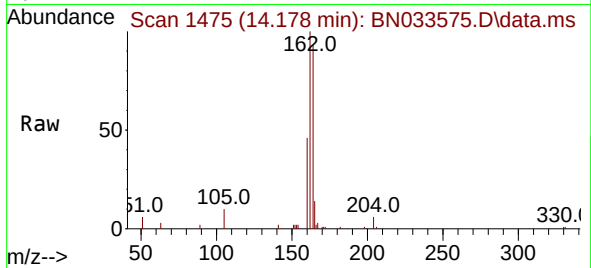
Tgt Ion:142 Resp: 2432
Ion Ratio Lower Upper
142 100
141 91.3 71.7 107.5
115 47.3 29.4 44.2#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

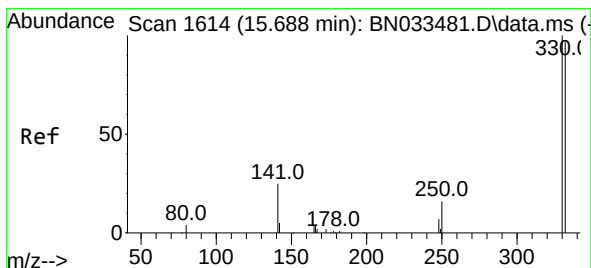
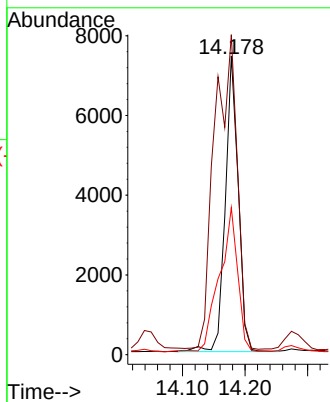
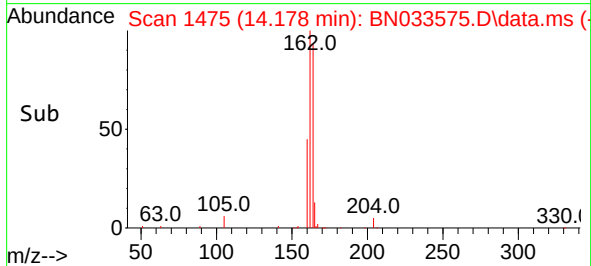
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



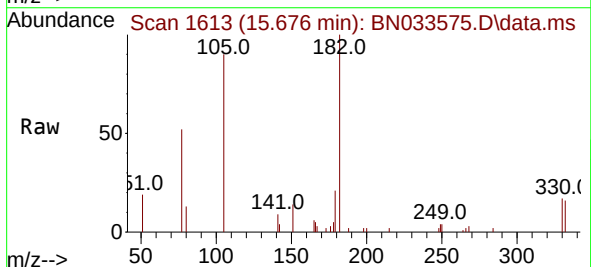
Tgt Ion:164 Resp: 10684
Ion Ratio Lower Upper
164 100
162 107.1 83.5 125.3
160 49.2 40.2 60.4

Manual Integrations
APPROVED

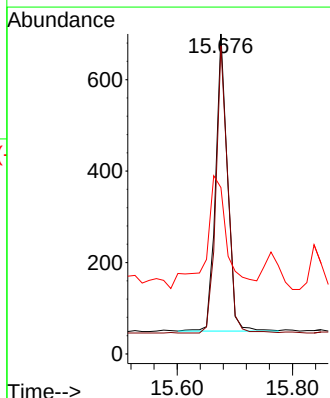
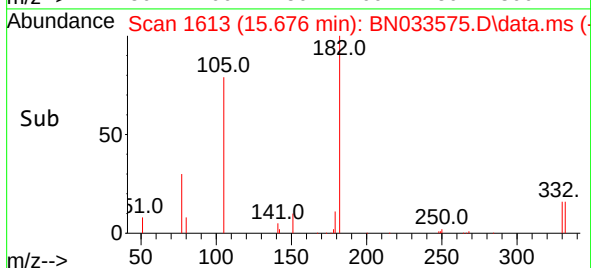
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

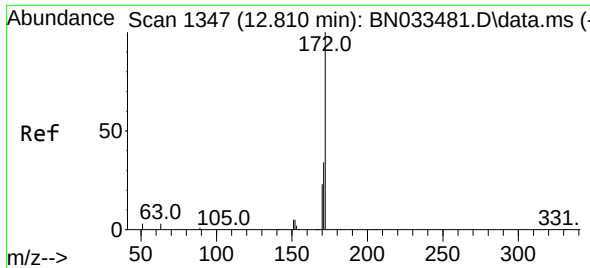


#14
2,4,6-Tribromophenol
Concen: 0.162 ng
RT: 15.676 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18



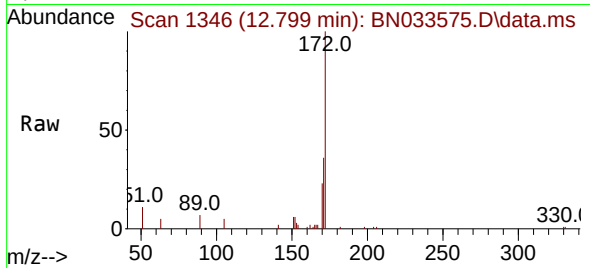
Tgt Ion:330 Resp: 930
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 48.1 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.152 ng
RT: 12.799 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

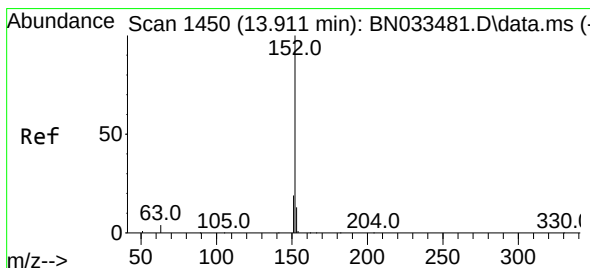
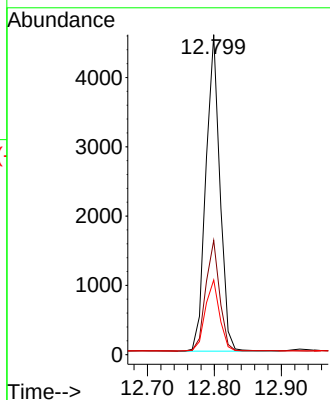
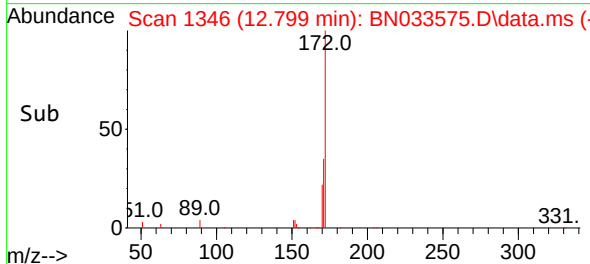
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:172 Resp: 6630
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 23.3 18.3 27.5

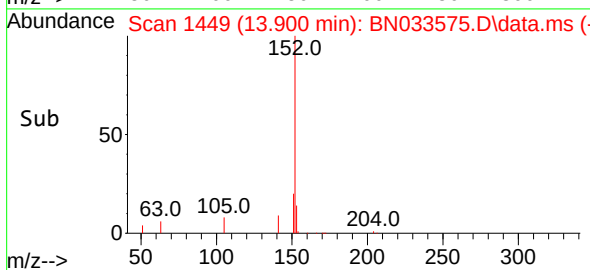
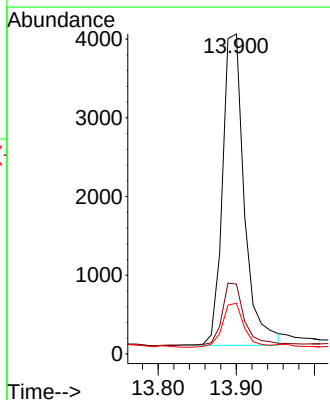
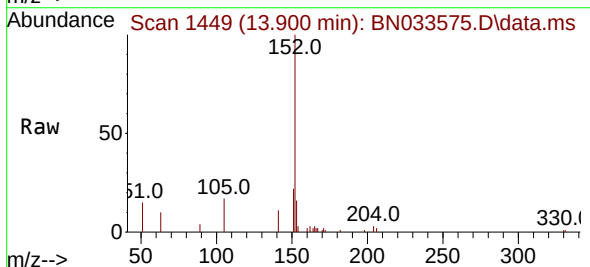
Manual Integrations
APPROVED

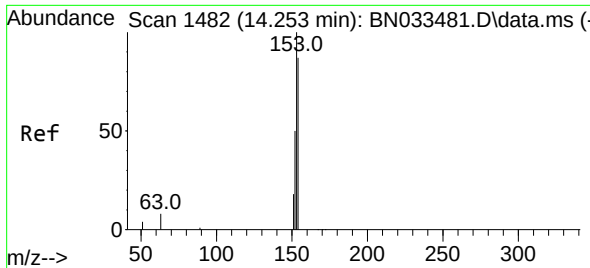
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.163 ng
RT: 13.900 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

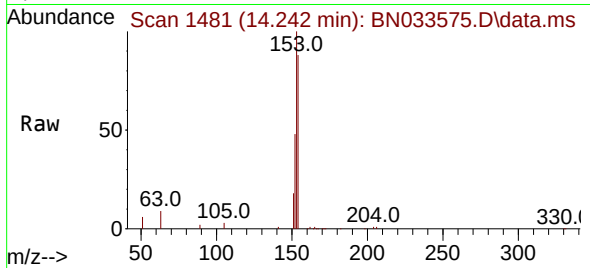
Tgt Ion:152 Resp: 7656
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 14.2 10.3 15.5





#17
Acenaphthene
Concen: 0.665 ng
RT: 14.242 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

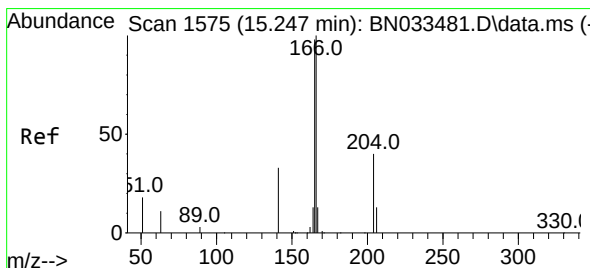
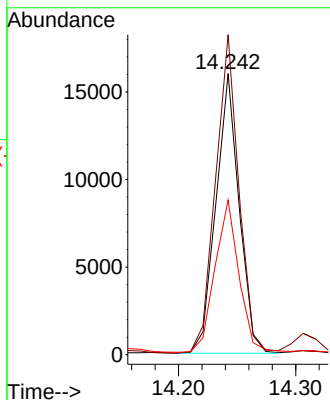
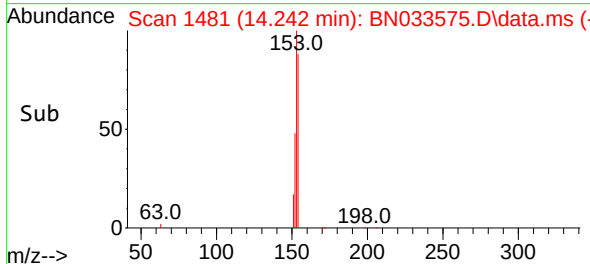
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



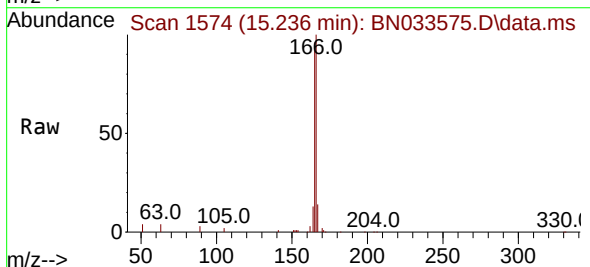
Tgt Ion:154 Resp: 2193
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 56.2 45.2 67.8

Manual Integrations
APPROVED

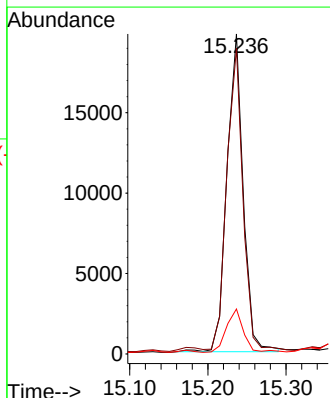
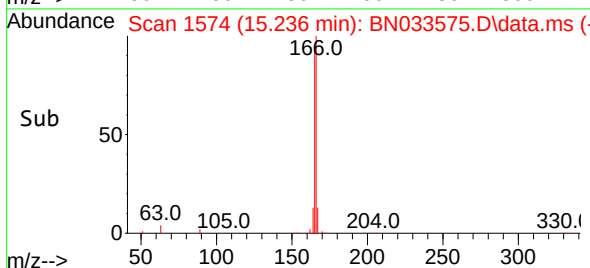
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

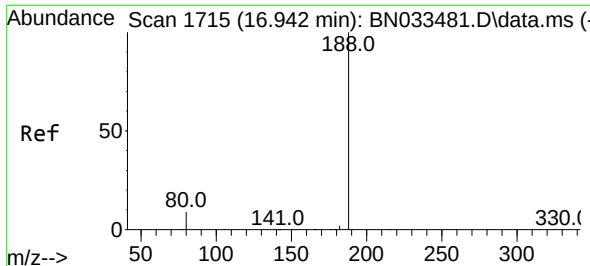


#18
Fluorene
Concen: 0.686 ng
RT: 15.236 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18



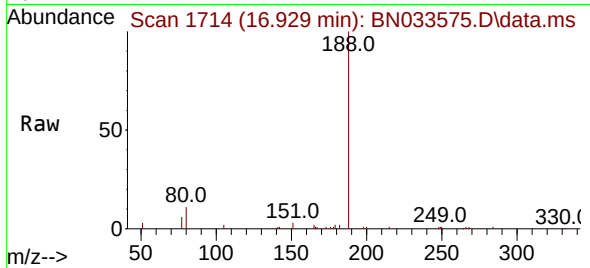
Tgt Ion:166 Resp: 28501
Ion Ratio Lower Upper
166 100
165 92.8 78.2 117.4
167 14.5 10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

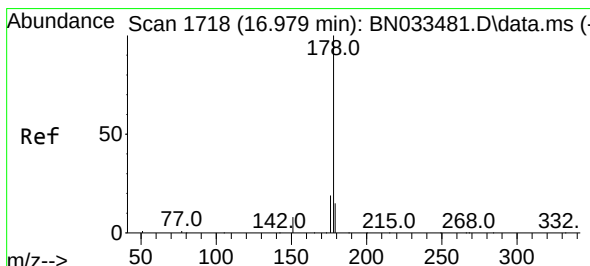
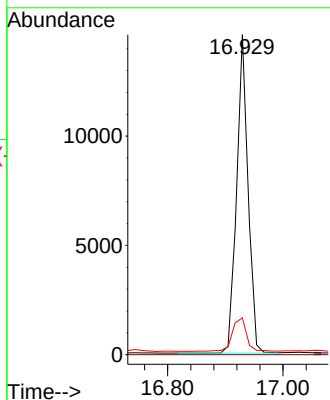
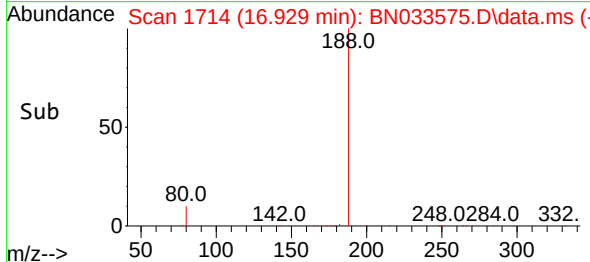
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



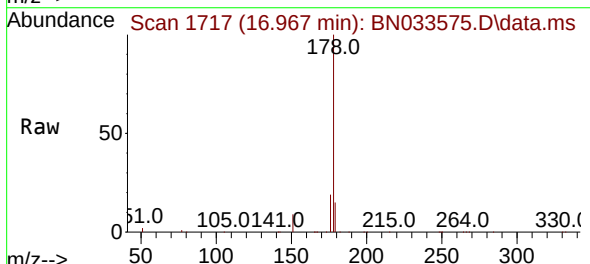
Tgt Ion:188 Resp: 1994
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 7.8 11.8

Manual Integrations
APPROVED

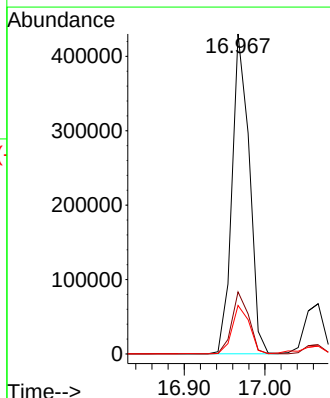
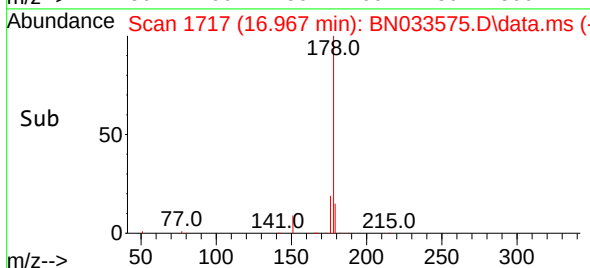
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

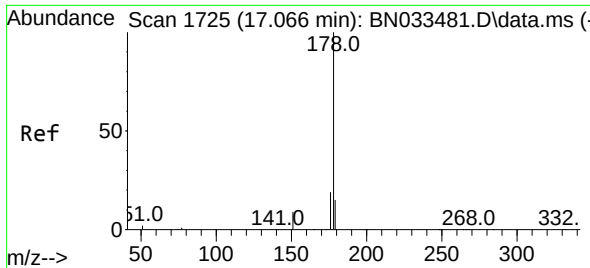


#25
Phenanthrene
Concen: 11.452 ng
RT: 16.967 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18



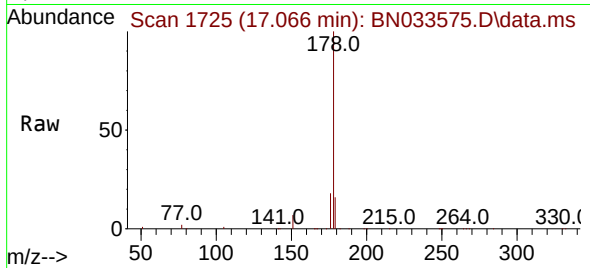
Tgt Ion:178 Resp: 637000
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 2.202 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033575.D
 Acq: 23 Aug 2024 05:18

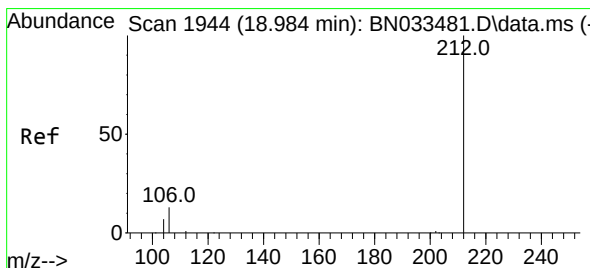
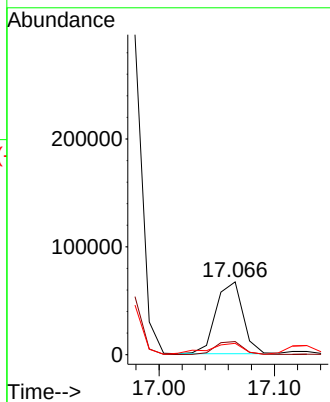
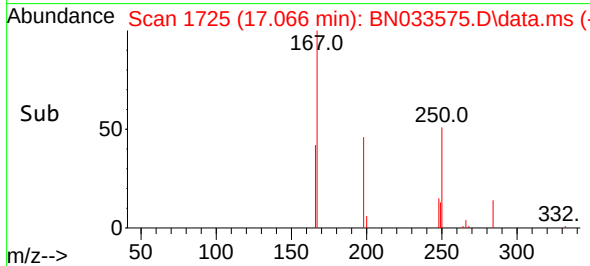
Instrument : BNA_N
 ClientSampleId : S-903-J-SO-0.5-1.0-081924



Tgt Ion:178 Resp: 108350
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 19.3 12.4 18.6

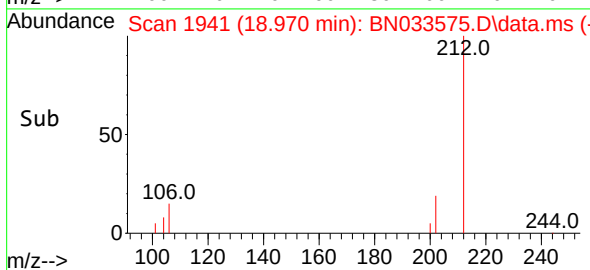
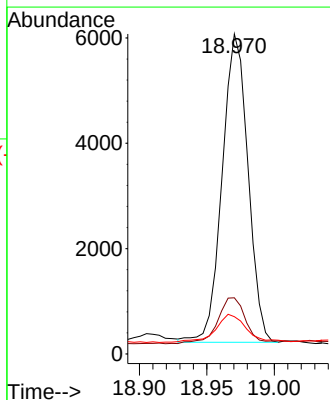
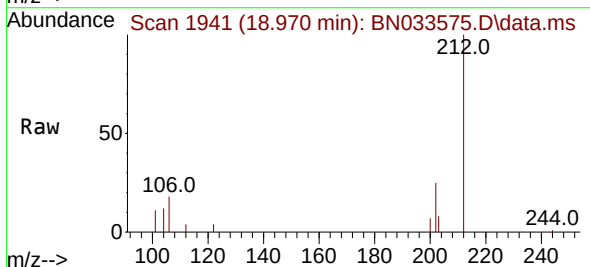
Manual Integrations
 APPROVED

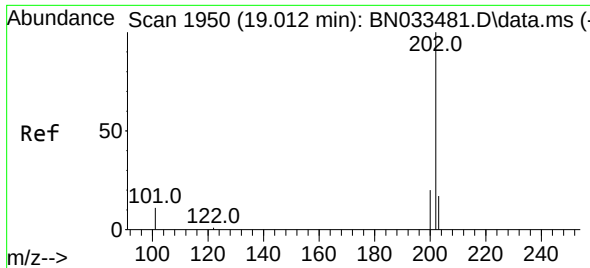
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.162 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. 0.000 min
 Lab File: BN033575.D
 Acq: 23 Aug 2024 05:18

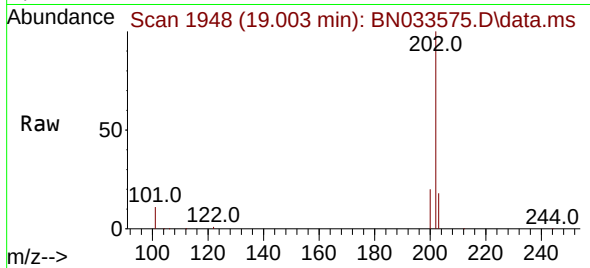
Tgt Ion:212 Resp: 7798
 Ion Ratio Lower Upper
 212 100
 106 16.1 12.3 18.5
 104 11.0 7.0 10.4





#28
Fluoranthene
Concen: 22.123 ng
RT: 19.003 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

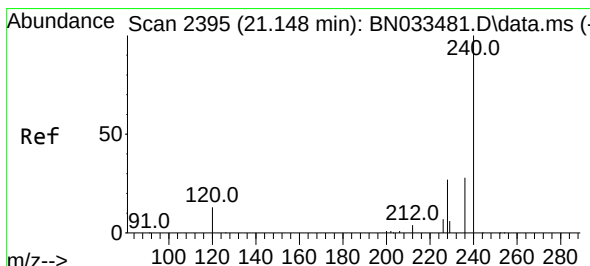
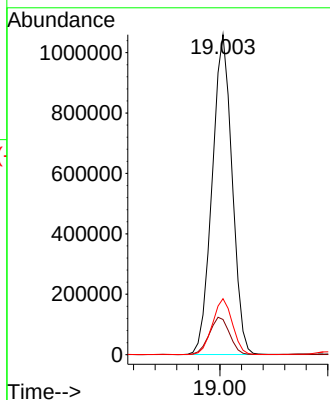
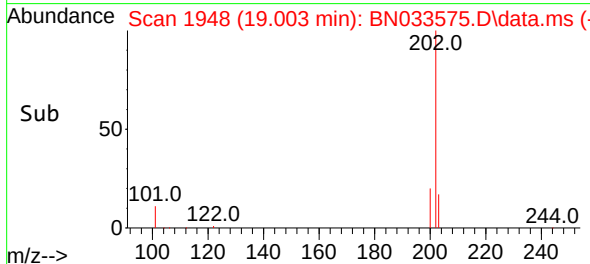
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:202 Resp: 135985
Ion Ratio Lower Upper
202 100
101 11.9 9.5 14.3
203 17.4 13.8 20.6

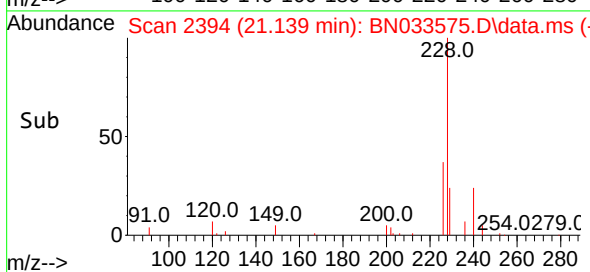
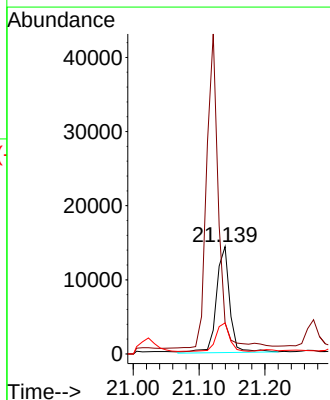
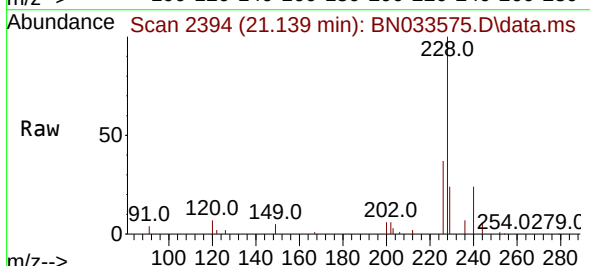
Manual Integrations
APPROVED

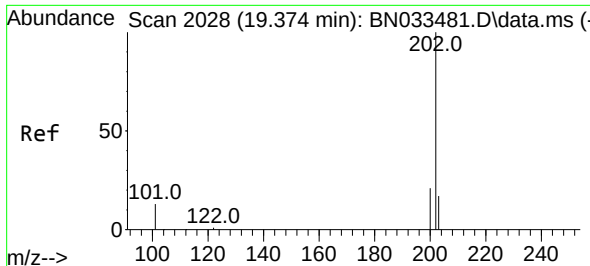
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

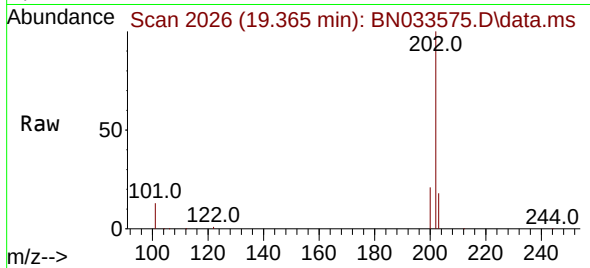
Tgt Ion:240 Resp: 20246
Ion Ratio Lower Upper
240 100
120 28.8 12.4 18.6#
236 28.8 23.0 34.6





#30
Pyrene
Concen: 12.451 ng
RT: 19.365 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

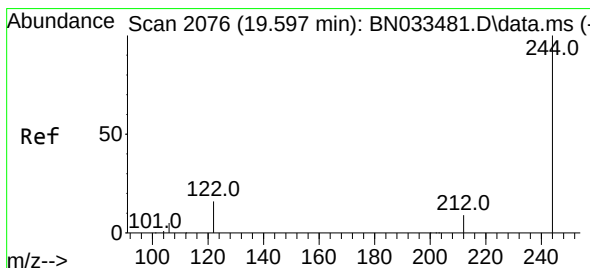
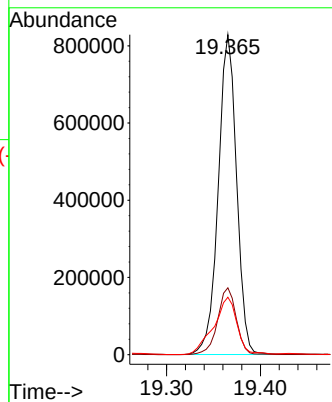
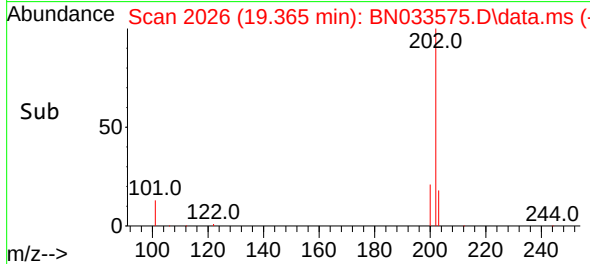
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:202 Resp: 112507
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 22.9 14.2 21.4

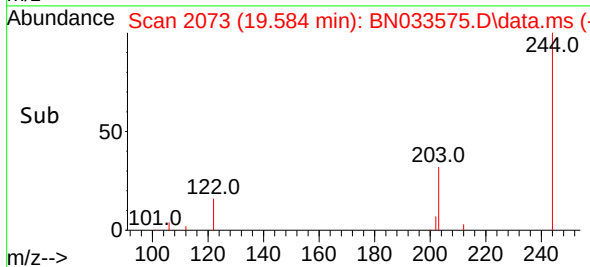
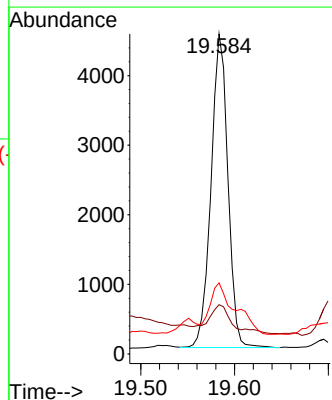
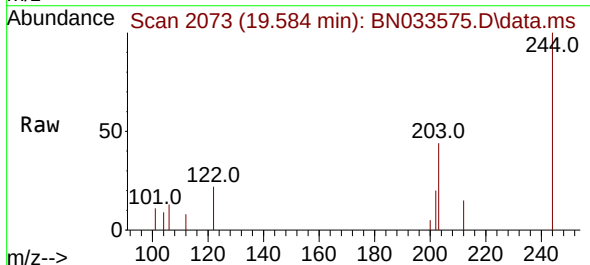
Manual Integrations
APPROVED

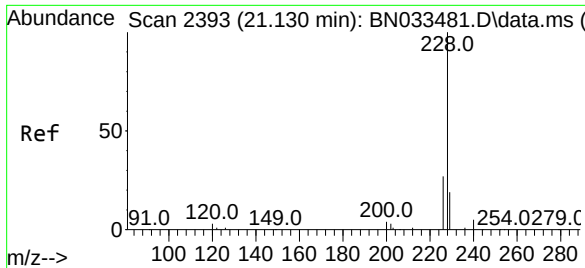
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.122 ng
RT: 19.584 min Scan# 2073
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

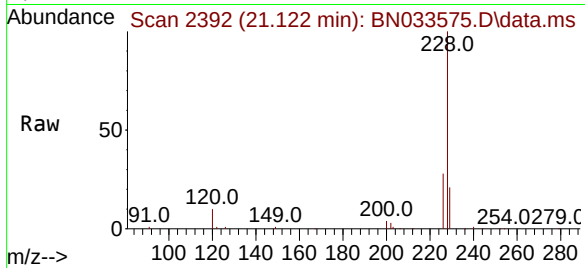
Tgt Ion:244 Resp: 5627
Ion Ratio Lower Upper
244 100
212 15.4 7.8 11.6#
122 22.2 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 8.002 ng
RT: 21.122 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

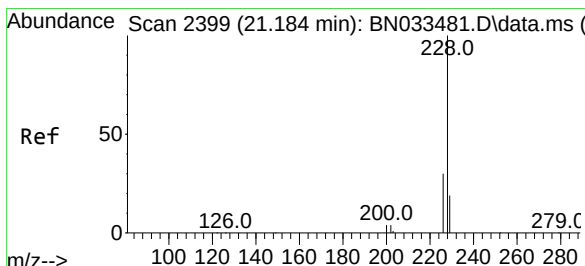
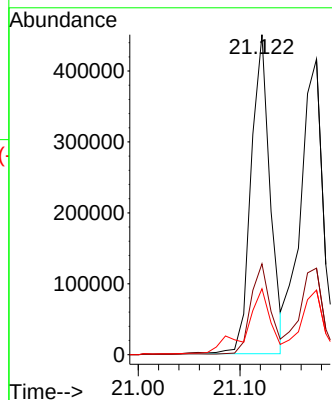
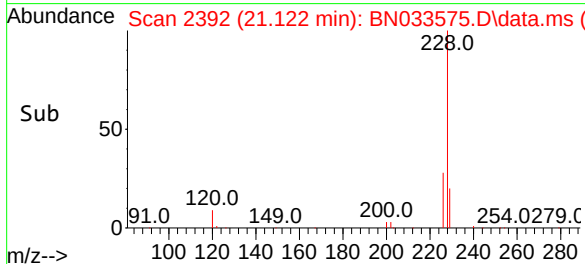
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:228 Resp: 58569
Ion Ratio Lower Upper
228 100
226 28.4 21.8 32.6
229 20.6 15.8 23.6

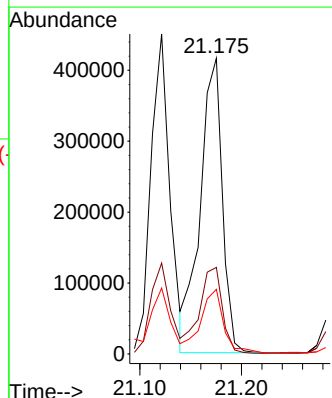
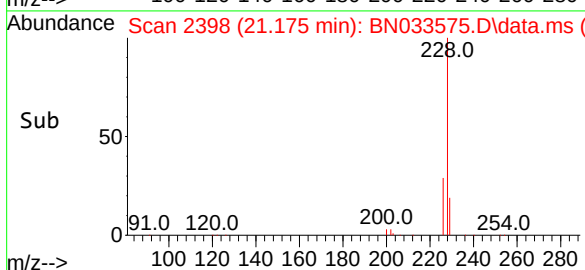
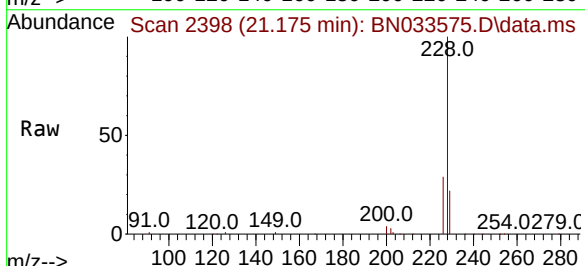
Manual Integrations
APPROVED

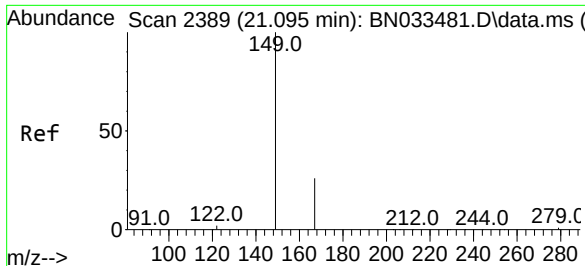
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 8.636 ng
RT: 21.175 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

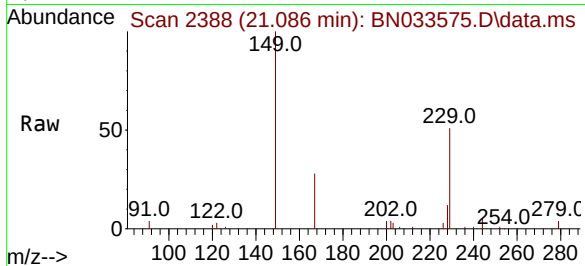
Tgt Ion:228 Resp: 628331
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.8
229 21.8 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 1.388 ng m
RT: 21.086 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

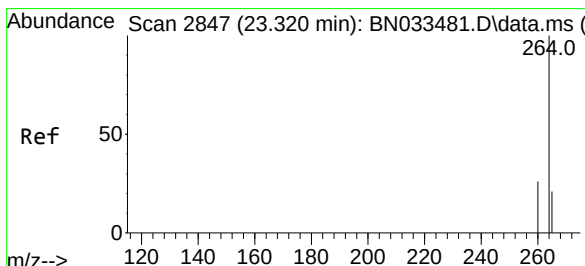
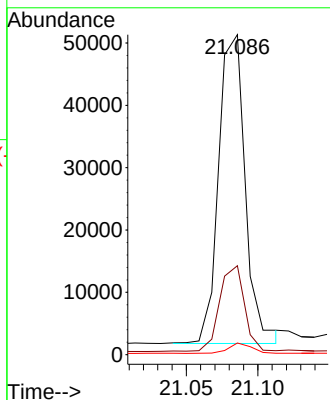
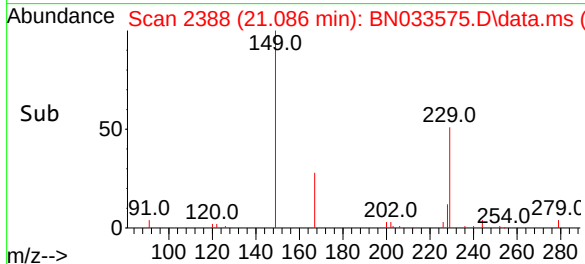
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:149 Resp: 64308
Ion Ratio Lower Upper
149 100
167 32.3 21.5 32.3
279 3.4 2.2 3.2

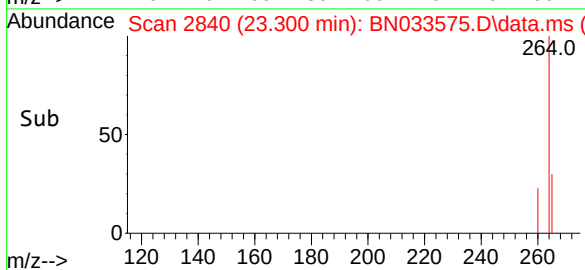
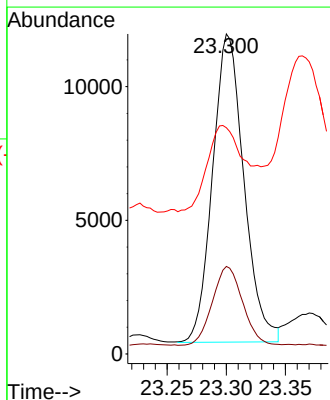
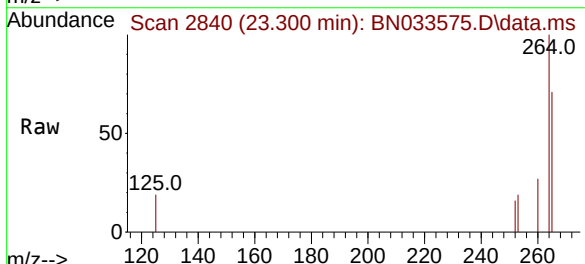
Manual Integrations
APPROVED

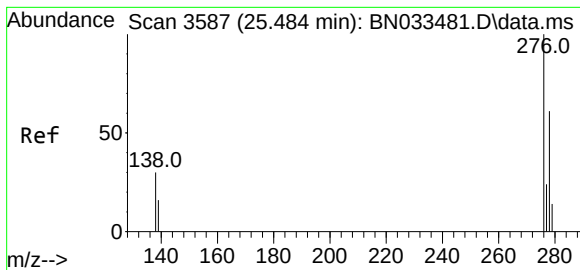
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.300 min Scan# 2840
Delta R.T. -0.003 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

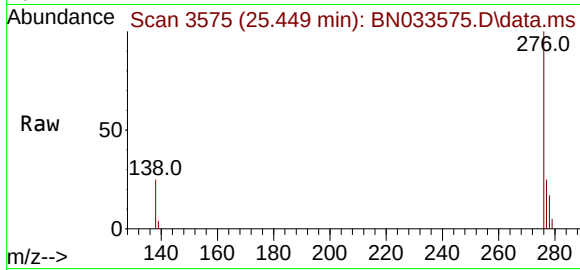
Tgt Ion:264 Resp: 21193
Ion Ratio Lower Upper
264 100
260 27.4 20.8 31.2
265 70.7 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 4.716 ng
RT: 25.449 min Scan# 3587
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

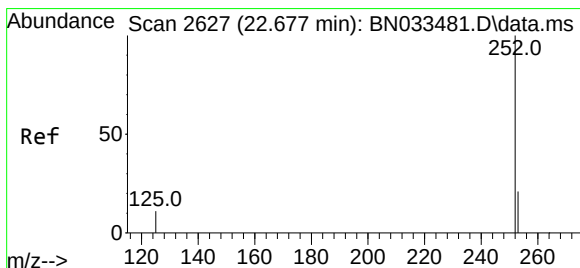
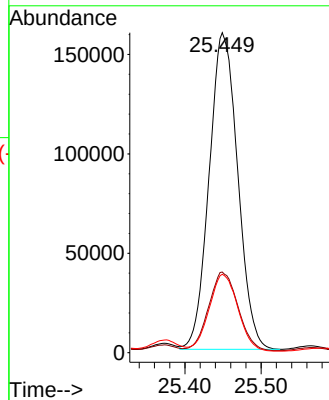
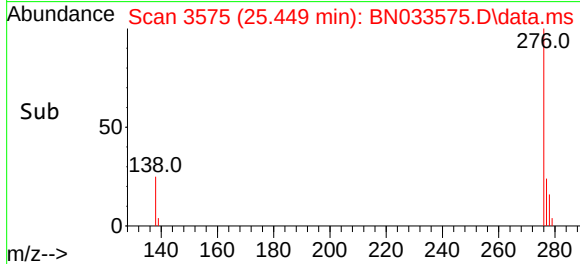
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:276 Resp: 414919
Ion Ratio Lower Upper
276 100
138 25.6 24.4 36.6
277 24.5 19.8 29.6

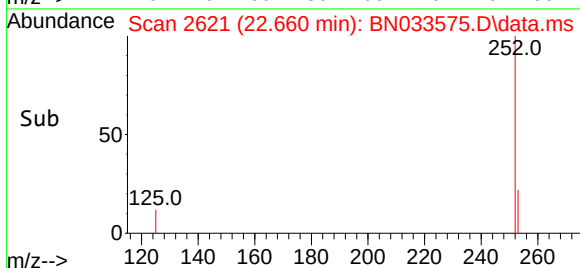
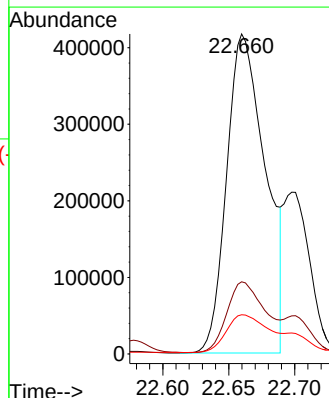
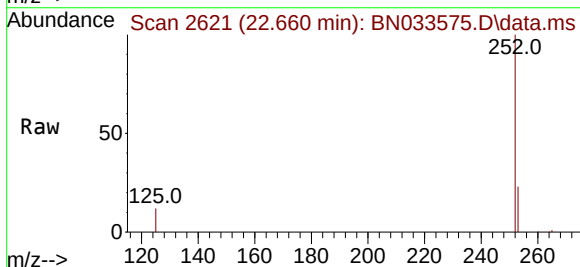
Manual Integrations
APPROVED

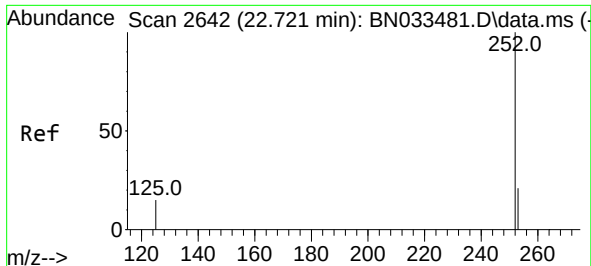
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 10.758 ng
RT: 22.660 min Scan# 2621
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

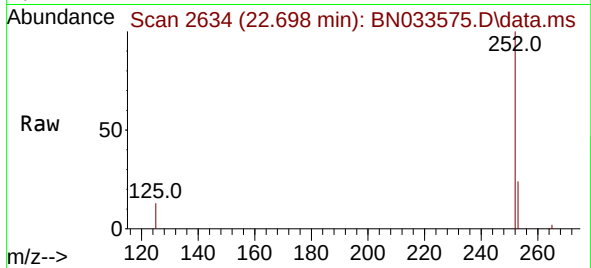
Tgt Ion:252 Resp: 851426
Ion Ratio Lower Upper
252 100
253 22.5 19.8 29.8
125 12.3 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 3.706 ng m
RT: 22.698 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

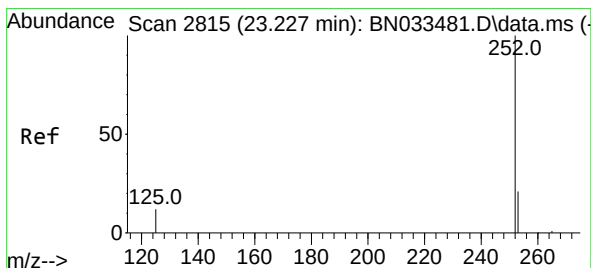
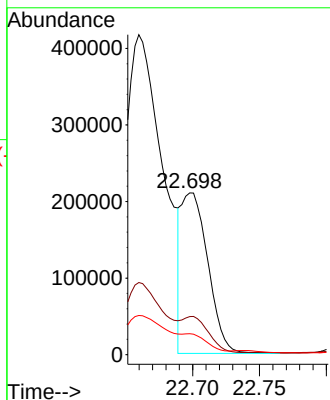
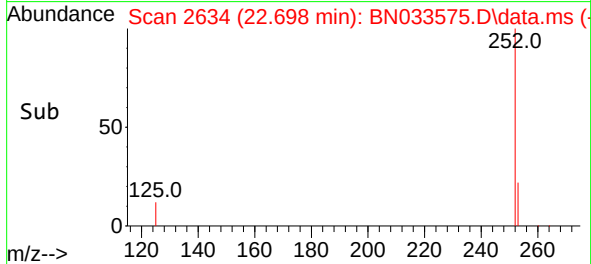
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:252 Resp: 288714
Ion Ratio Lower Upper
252 100
253 23.5 19.8 29.8
125 12.9 15.8 23.8

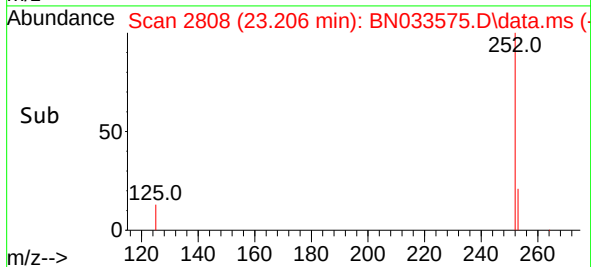
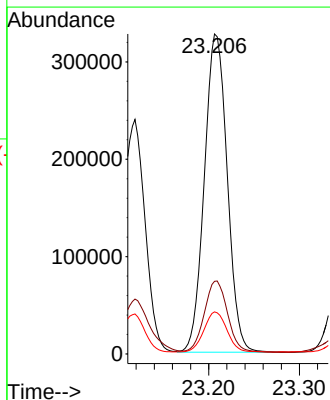
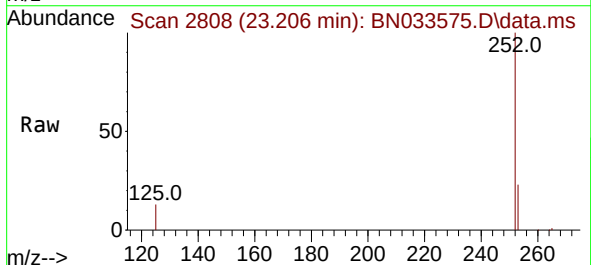
Manual Integrations
APPROVED

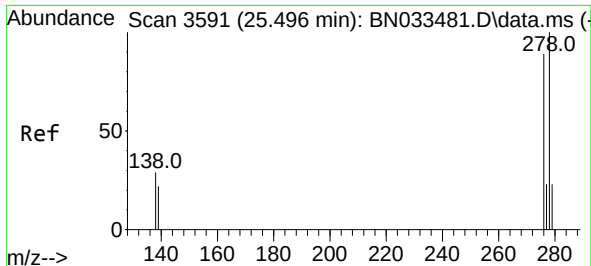
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 8.767 ng m
RT: 23.206 min Scan# 2808
Delta R.T. -0.003 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

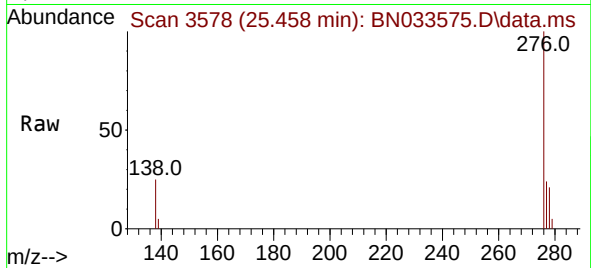
Tgt Ion:252 Resp: 574088
Ion Ratio Lower Upper
252 100
253 22.7 21.5 32.3
125 13.1 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 1.335 ng
RT: 25.458 min Scan# 31
Delta R.T. -0.012 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

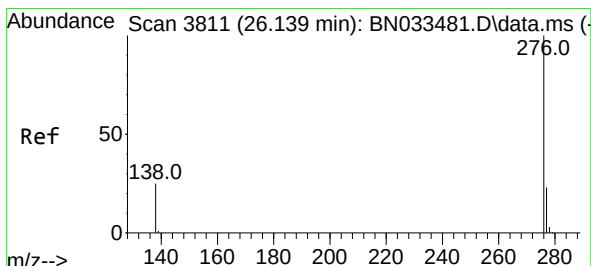
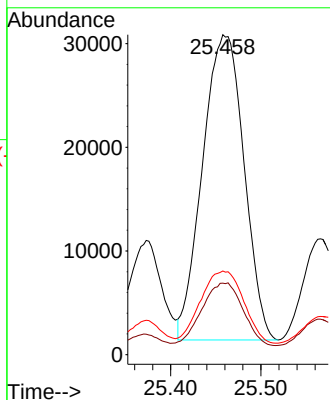
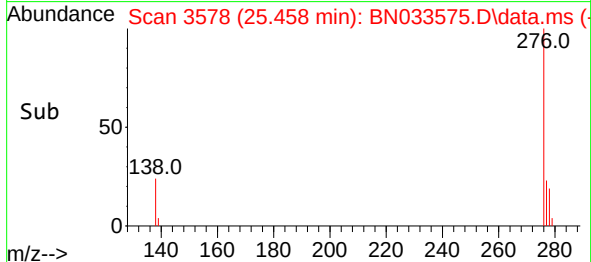
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



Tgt Ion:278 Resp: 93909
Ion Ratio Lower Upper
278 100
139 22.3 19.1 28.7
279 26.2 21.0 31.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#41
Benzo(g,h,i)perylene
Concen: 5.450 ng
RT: 26.107 min Scan# 3800
Delta R.T. 0.003 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:276 Resp: 410026
Ion Ratio Lower Upper
276 100
277 23.9 19.7 29.5
138 25.6 21.8 32.6

