

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033559.D
 Acq On : 22 Aug 2024 18:56
 Operator : MA/JU
 Sample : P3660-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0.5-1-081624

Quant Time: Aug 23 00:02:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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	7749	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	19594	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9500	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	19308	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	17490	0.400	ng	0.00
35) Perylene-d12	23.309	264	18970	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3711	0.151	ng	0.00
5) Phenol-d6	6.736	99	4632	0.158	ng	0.00
8) Nitrobenzene-d5	8.681	82	3065	0.189	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	4681	0.167	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	809	0.158	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	6134	0.158	ng	-0.01
27) Fluoranthene-d10	18.970	212	6368	0.137	ng	-0.01
31) Terphenyl-d14	19.588	244	4082	0.103	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.357	128	2230	0.043	ng	# 89
12) 2-Methylnaphthalene	11.979	142	1173	0.035	ng	# 90
16) Acenaphthylene	13.900	152	6660	0.160	ng	98
17) Acenaphthene	14.242	154	3749	0.128	ng	97
18) Fluorene	15.236	166	5130	0.139	ng	98
25) Phenanthrene	16.966	178	112086	2.087	ng	99
26) Anthracene	17.066	178	26332	0.554	ng	98
28) Fluoranthene	19.003	202	297294	5.008	ng	100
30) Pyrene	19.365	202	277619	3.556	ng	# 95
32) Benzo(a)anthracene	21.121	228	171971	2.720	ng	97
33) Chrysene	21.175	228	160245	2.550	ng	98
34) Bis(2-ethylhexyl)phtha...	21.085	149	9669m	0.242	ng	
36) Indeno(1,2,3-cd)pyrene	25.457	276	122698	1.558	ng	95
37) Benzo(b)fluoranthene	22.665	252	252813	3.569	ng	# 94
38) Benzo(k)fluoranthene	22.706	252	93923m	1.347	ng	
39) Benzo(a)pyrene	23.212	252	181646m	3.099	ng	
40) Dibenzo(a,h)anthracene	25.469	278	30079	0.478	ng	95
41) Benzo(g,h,i)perylene	26.112	276	122111	1.813	ng	99

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

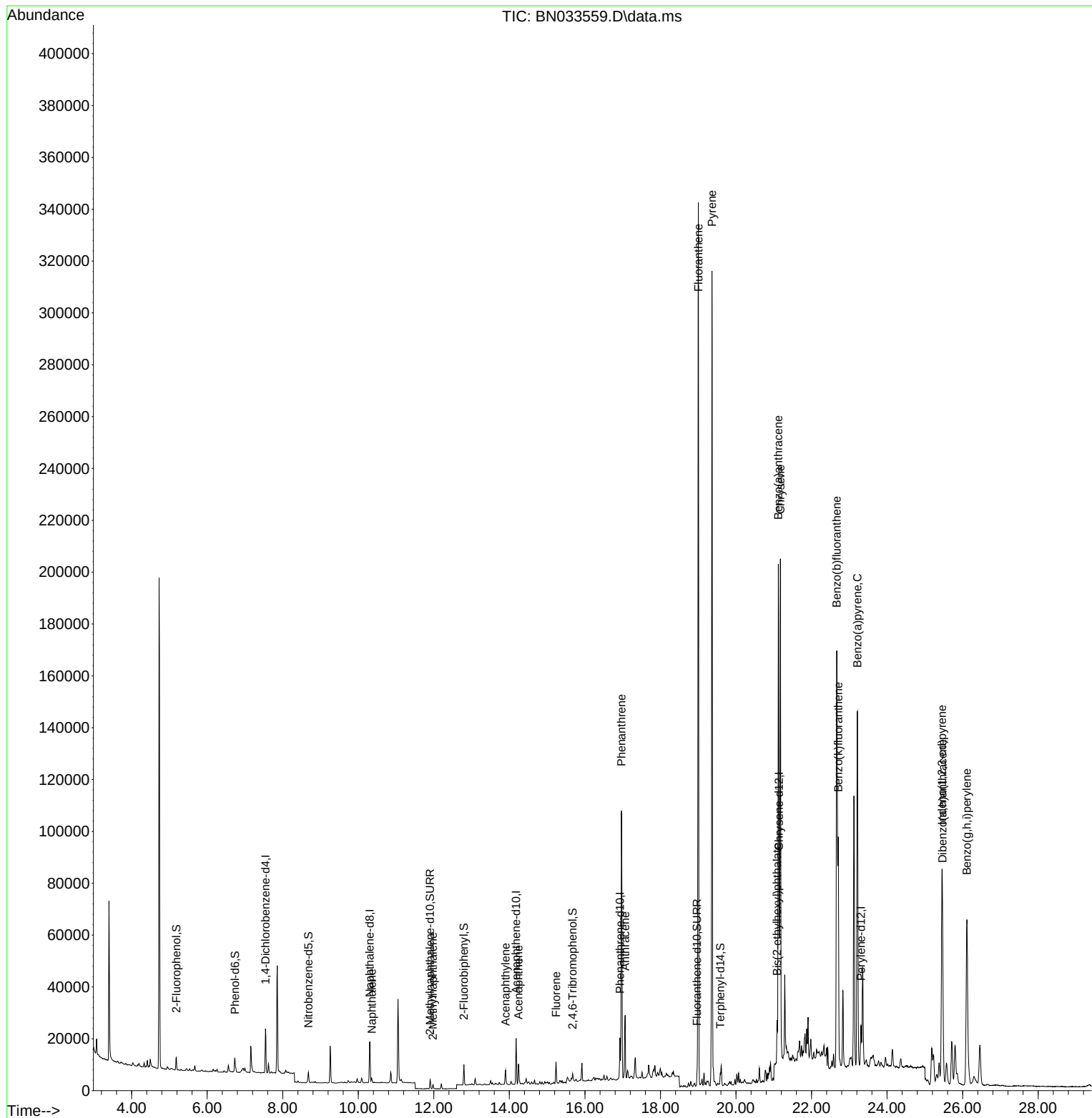
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033559.D
Acq On : 22 Aug 2024 18:56
Operator : MA/JU
Sample : P3660-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

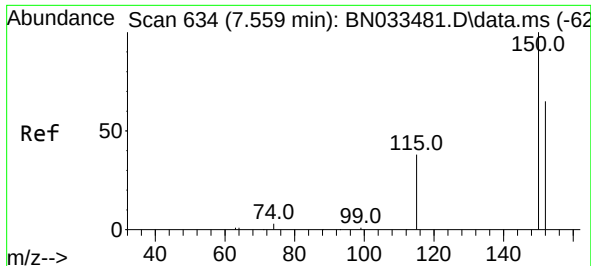
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

Quant Time: Aug 23 00:02:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

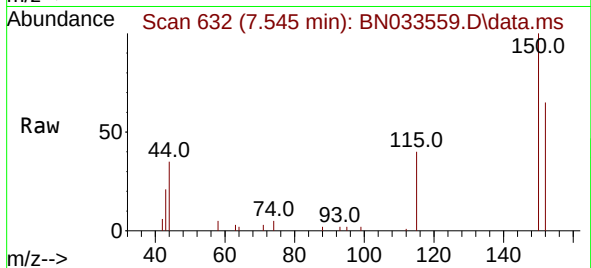
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

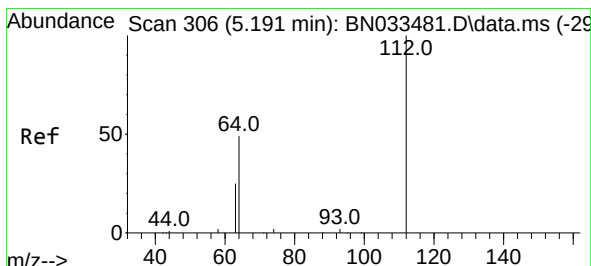
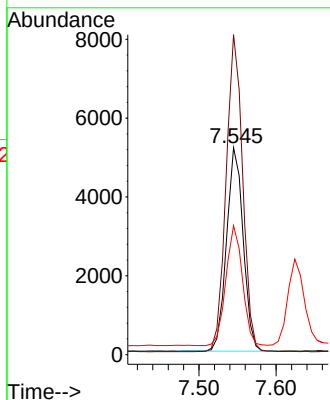
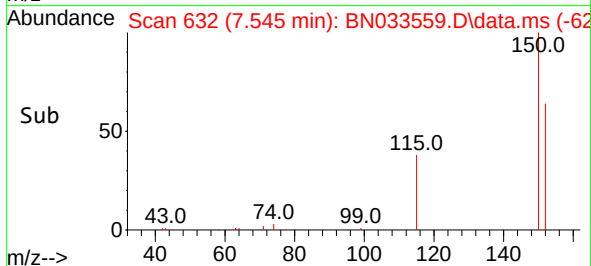
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:152 Resp: 7749
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.2
115 62.3 47.2 70.8

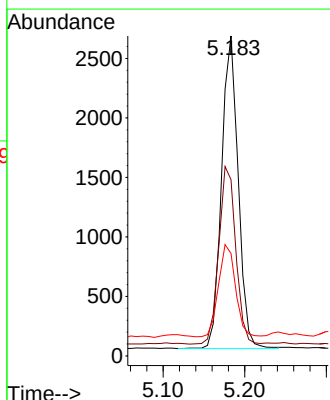
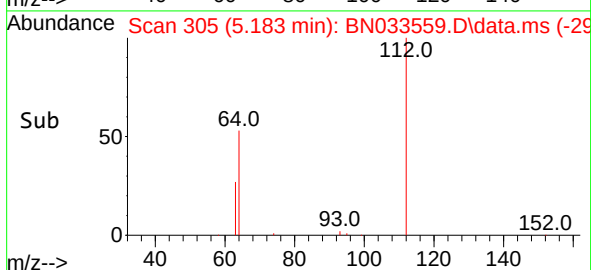
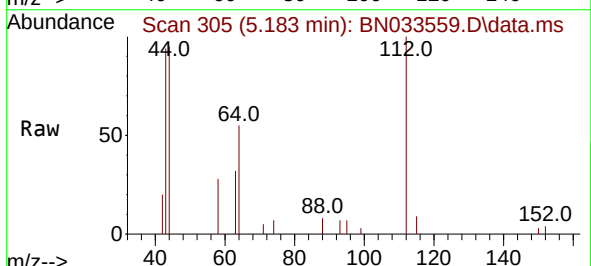
Manual Integrations
APPROVED

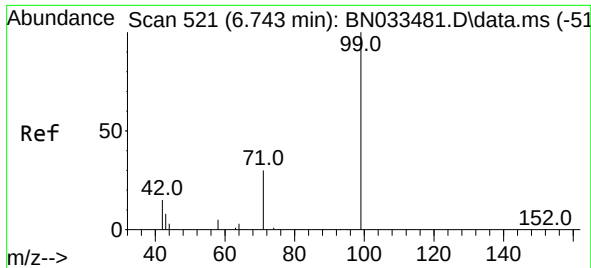
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

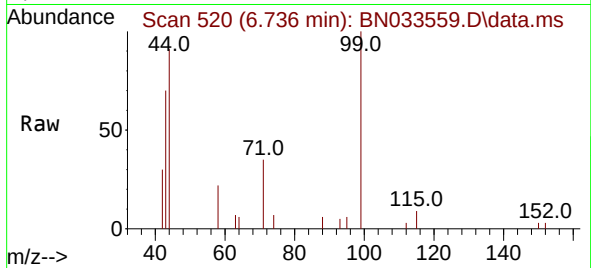
Tgt Ion:112 Resp: 3711
Ion Ratio Lower Upper
112 100
64 57.8 47.1 70.7
63 30.0 24.9 37.3





#5
Phenol-d6
Concen: 0.158 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

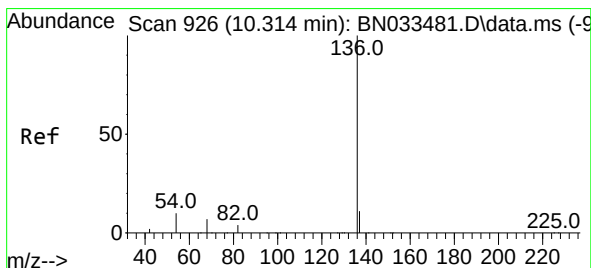
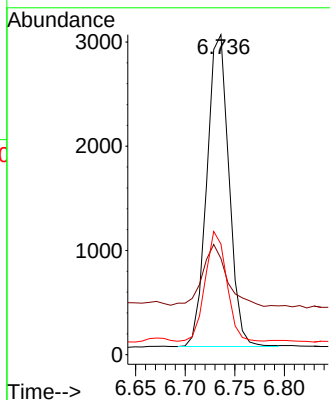
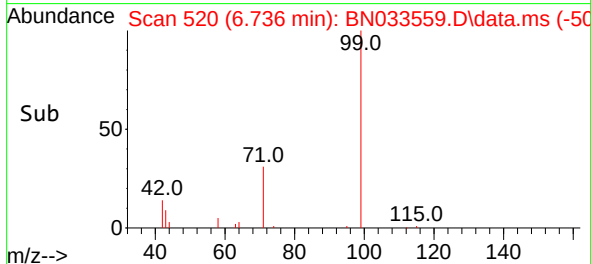
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



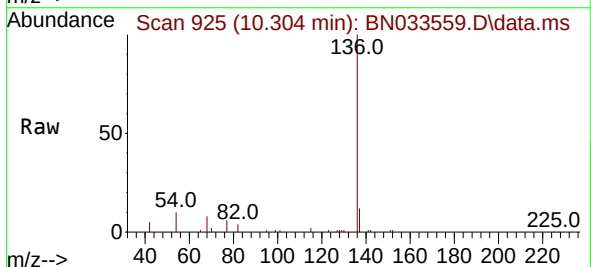
Tgt Ion: 99 Resp: 4632
Ion Ratio Lower Upper
99 100
42 21.5 16.6 24.8
71 34.4 26.2 39.4

Manual Integrations
APPROVED

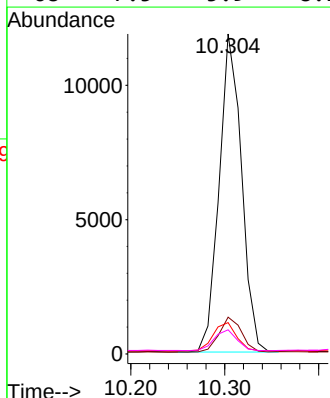
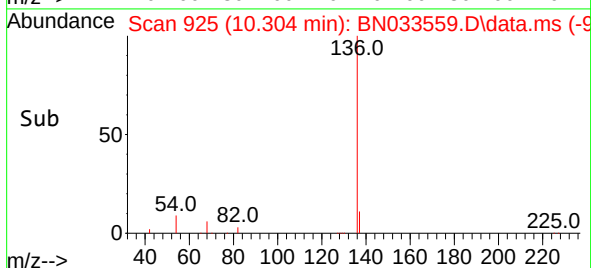
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

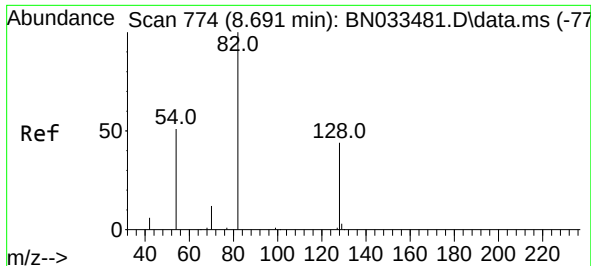


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56



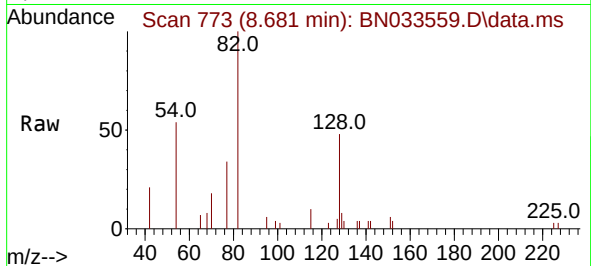
Tgt Ion:136 Resp: 19594
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.8 8.3 12.5
68 7.5 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.189 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

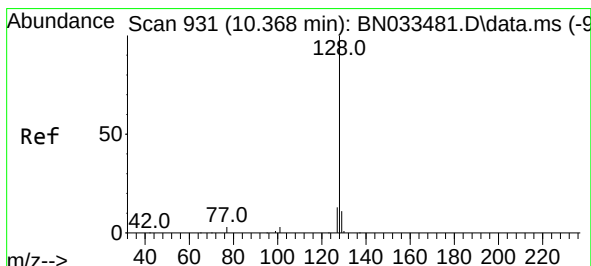
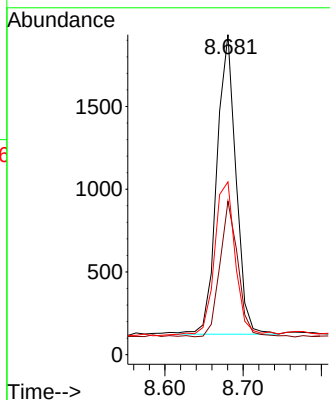
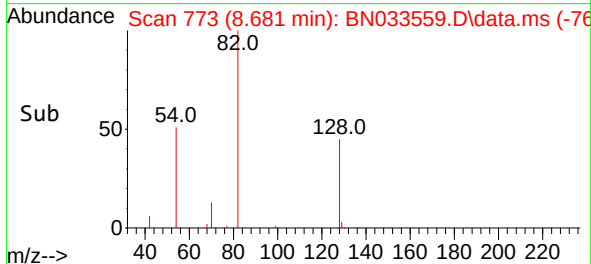
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



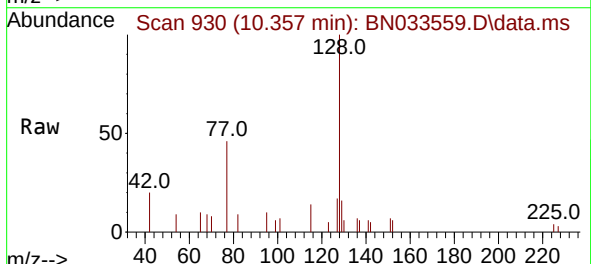
Tgt Ion: 82 Resp: 306
Ion Ratio Lower Upper
82 100
128 47.9 36.0 54.0
54 54.0 42.0 63.0

Manual Integrations
APPROVED

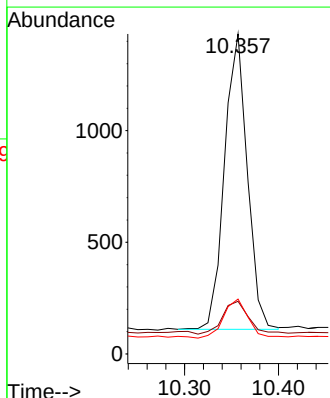
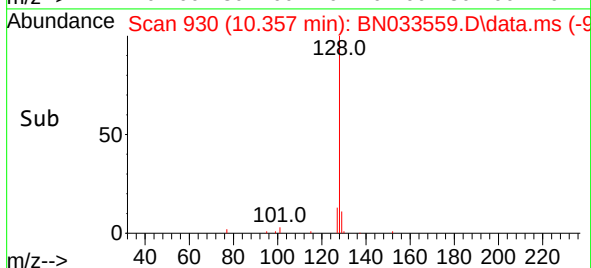
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

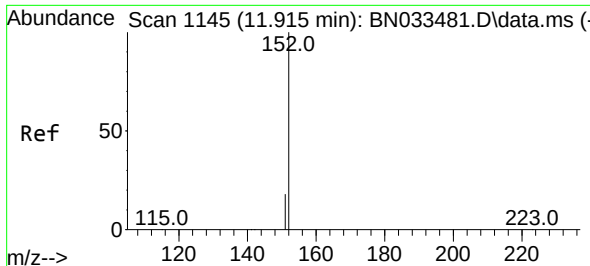


#9
Naphthalene
Concen: 0.043 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56



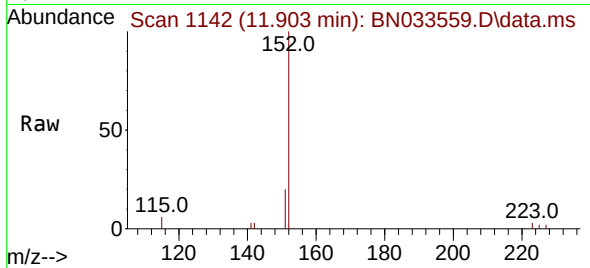
Tgt Ion:128 Resp: 2230
Ion Ratio Lower Upper
128 100
129 16.5 9.1 13.7#
127 17.2 10.7 16.1#





#11
2-Methylnaphthalene-d10
Concen: 0.167 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

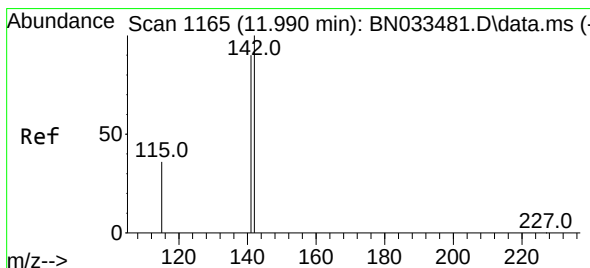
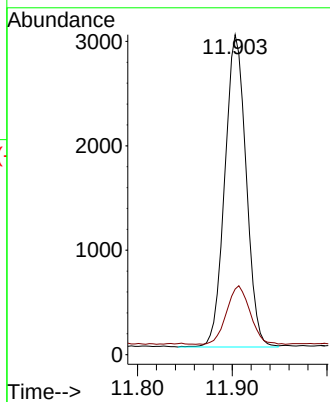
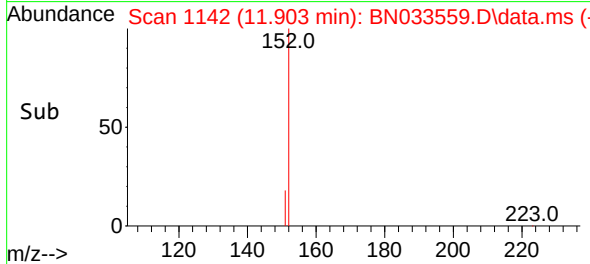
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



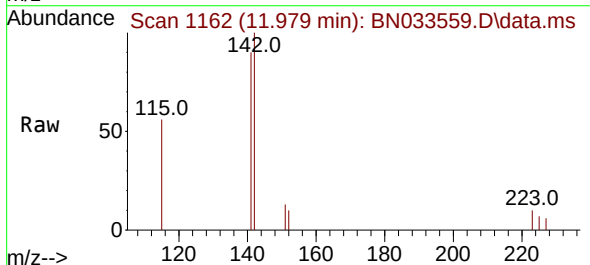
Tgt Ion:152 Resp: 468
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0

Manual Integrations
APPROVED

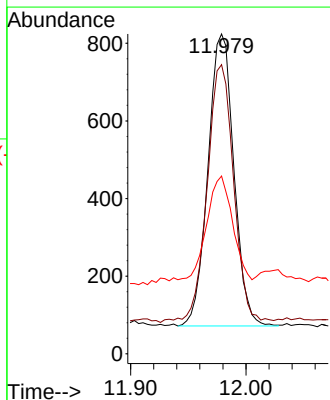
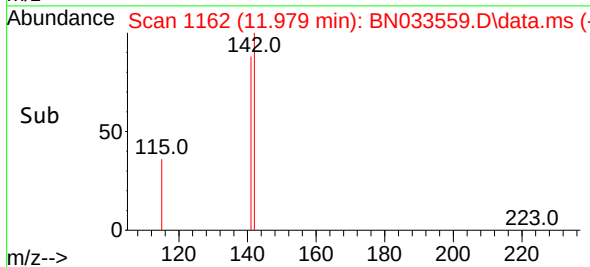
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

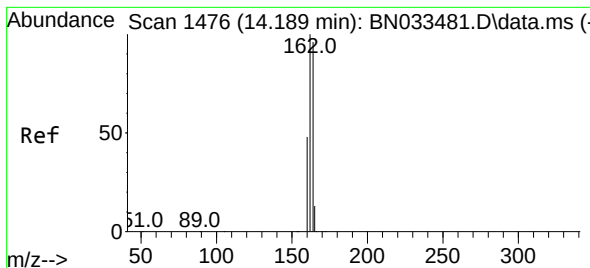


#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56



Tgt Ion:142 Resp: 1173
Ion Ratio Lower Upper
142 100
141 90.4 71.7 107.5
115 55.6 29.4 44.2#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 14

Delta R.T. -0.011 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

Instrument :

BNA_N

ClientSampleId :

S-901-J-0.5-1-081624

Tgt Ion:164 Resp: 9500

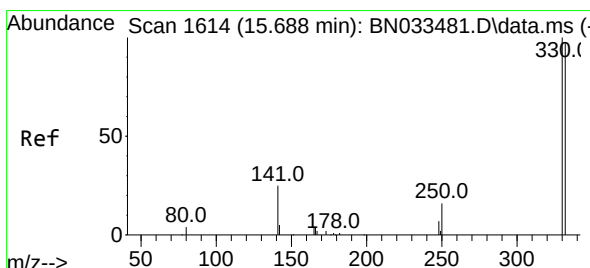
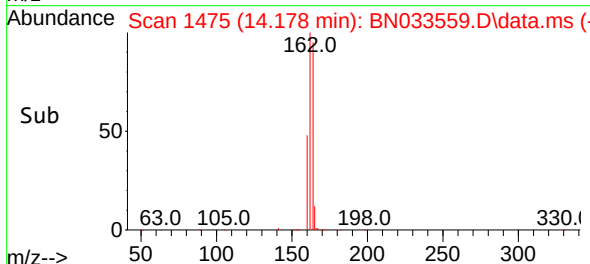
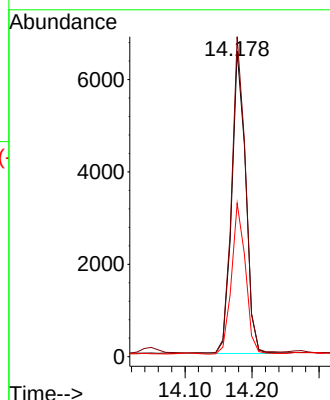
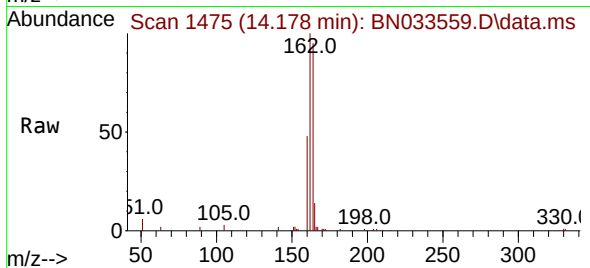
Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.5	125.3
160	50.2	40.2	60.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#14

2,4,6-Tribromophenol

Concen: 0.158 ng

RT: 15.676 min Scan# 1613

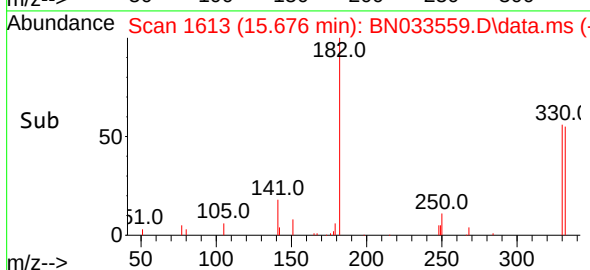
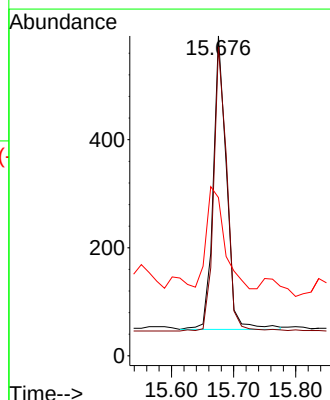
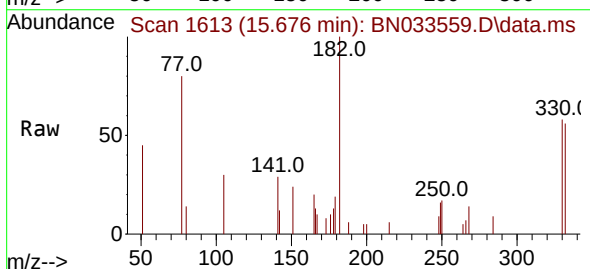
Delta R.T. -0.013 min

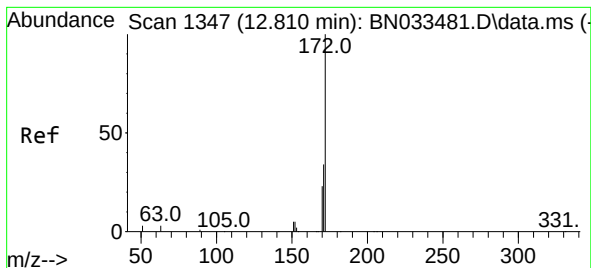
Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

Tgt Ion:330 Resp: 809

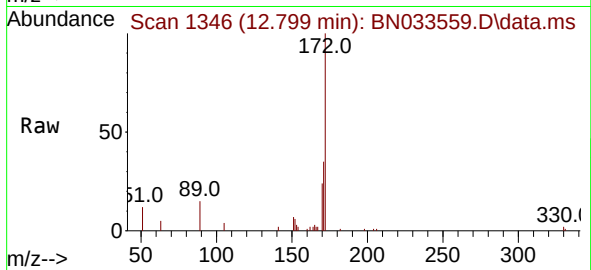
Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.5	116.3
141	46.8	33.9	50.9





#15
2-Fluorobiphenyl
Concen: 0.158 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

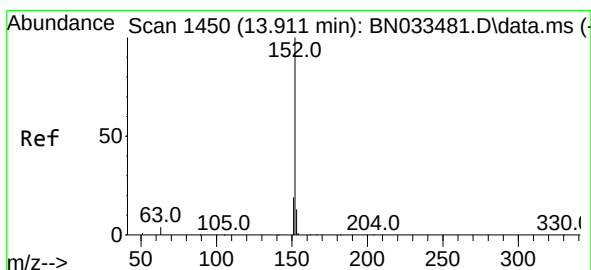
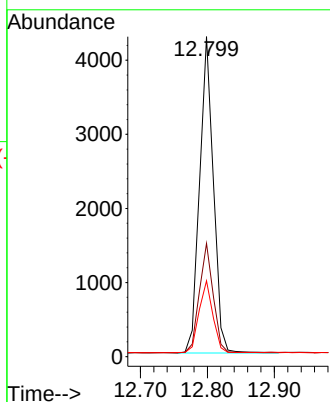
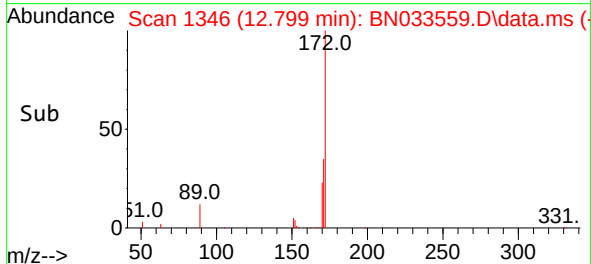
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:172 Resp: 6134
Ion Ratio Lower Upper
172 100
171 35.4 27.7 41.5
170 23.7 18.3 27.5

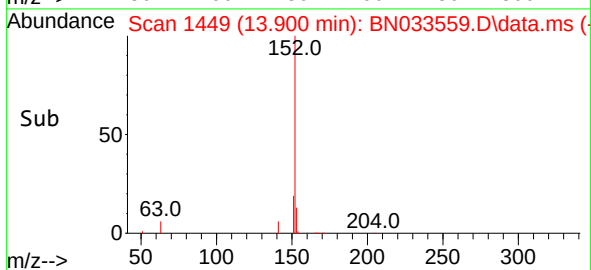
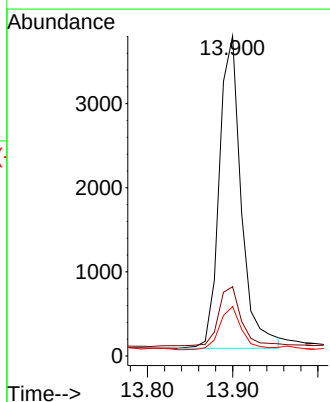
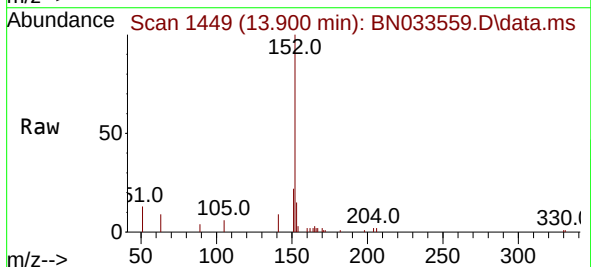
Manual Integrations
APPROVED

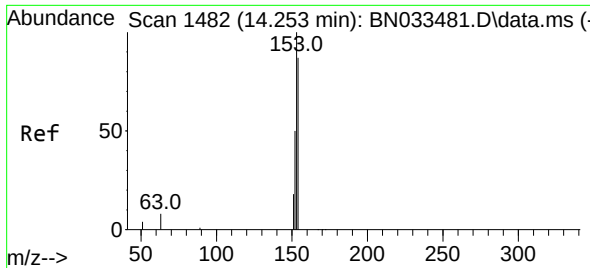
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.160 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

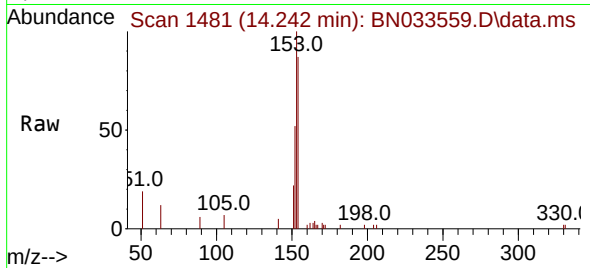
Tgt Ion:152 Resp: 6660
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 13.8 10.3 15.5





#17
Acenaphthene
Concen: 0.128 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

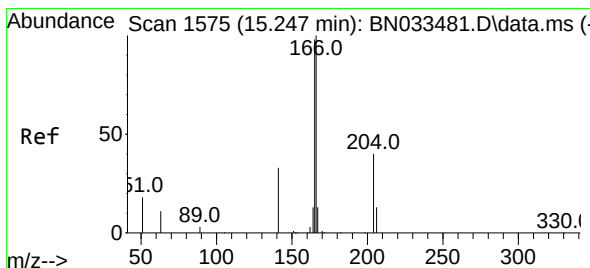
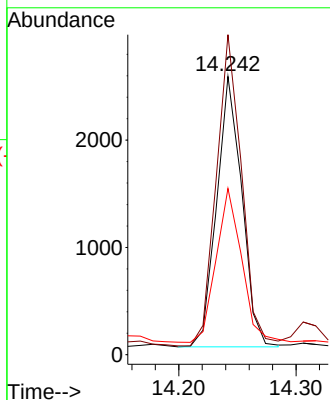
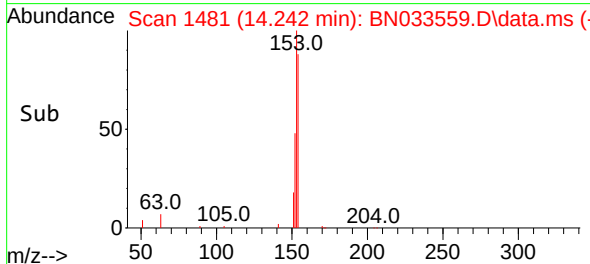
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



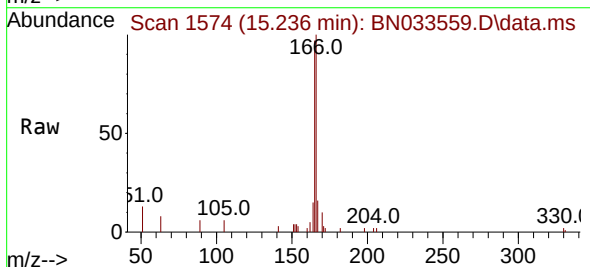
Tgt Ion:154 Resp: 3749
Ion Ratio Lower Upper
154 100
153 115.6 89.0 133.6
152 57.6 45.2 67.8

Manual Integrations
APPROVED

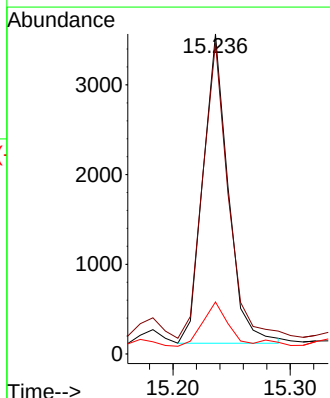
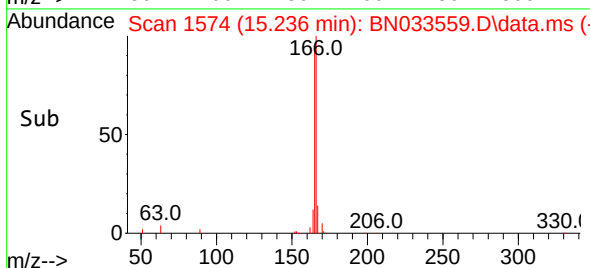
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

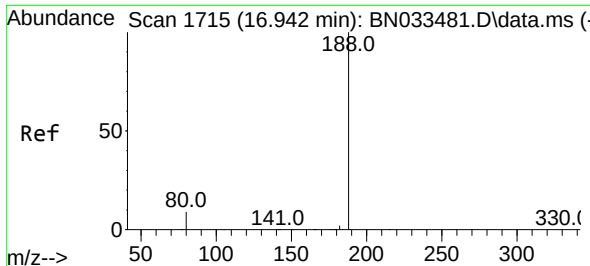


#18
Fluorene
Concen: 0.139 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56



Tgt Ion:166 Resp: 5130
Ion Ratio Lower Upper
166 100
165 96.4 78.2 117.4
167 14.6 10.6 16.0





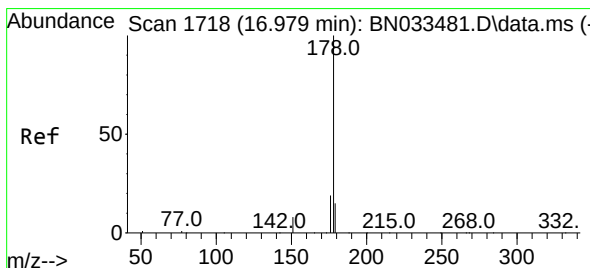
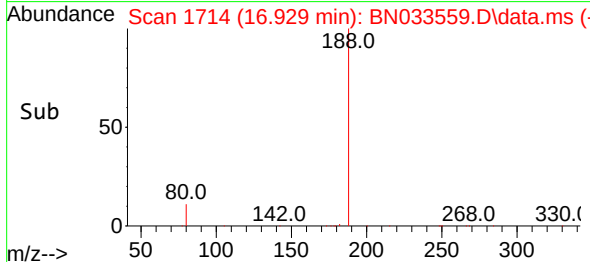
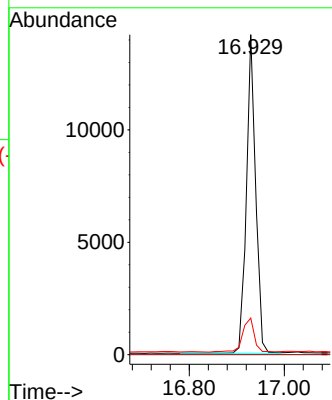
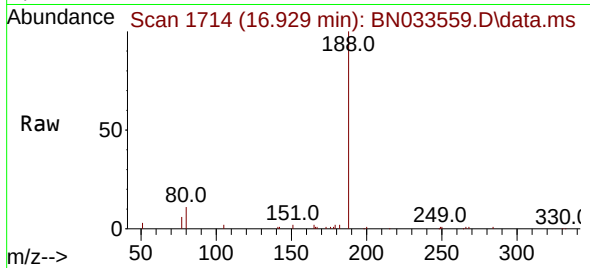
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1715
Delta R.T. -0.013 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

Tgt Ion:188 Resp: 19308
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 7.8 11.8

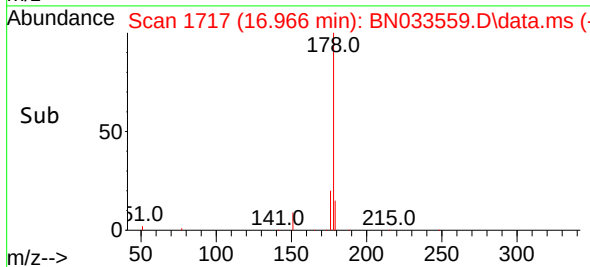
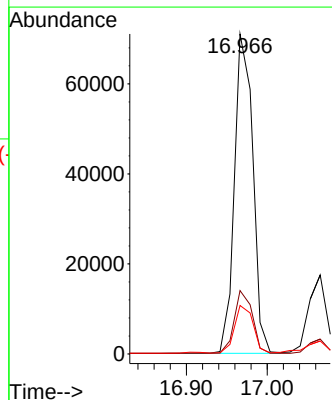
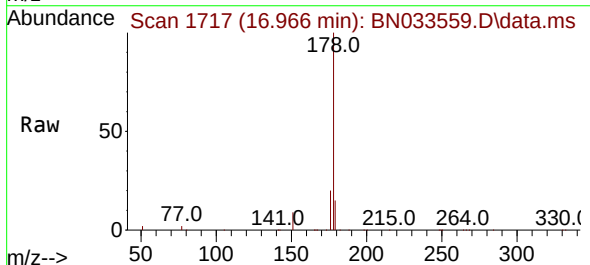
Manual Integrations
APPROVED

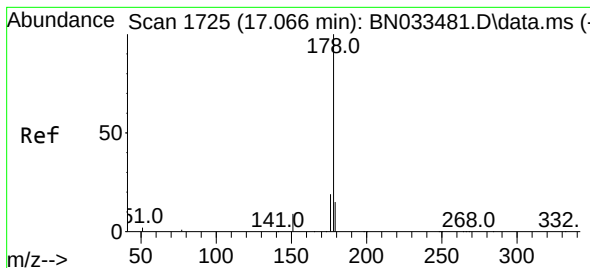
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#25
Phenanthrene
Concen: 2.087 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.013 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

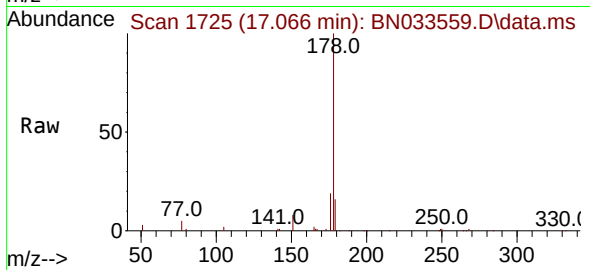
Tgt Ion:178 Resp: 112086
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 14.9 12.3 18.5





#26
 Anthracene
 Concen: 0.554 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033559.D
 Acq: 22 Aug 2024 18:56

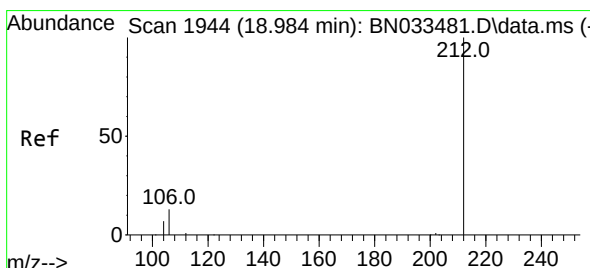
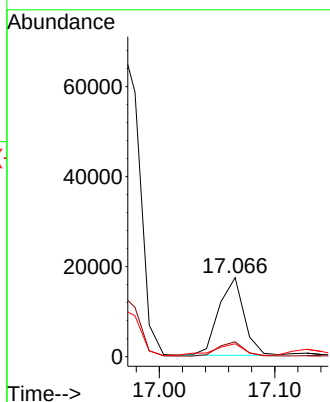
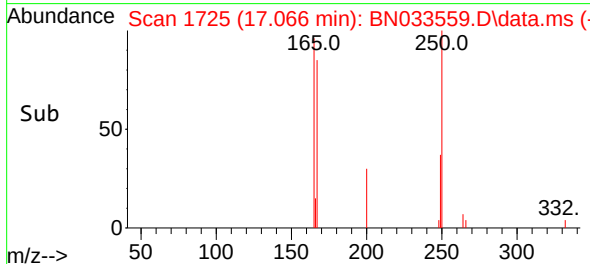
Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0.5-1-081624



Tgt Ion:178 Resp: 2633
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 17.0 12.4 18.6

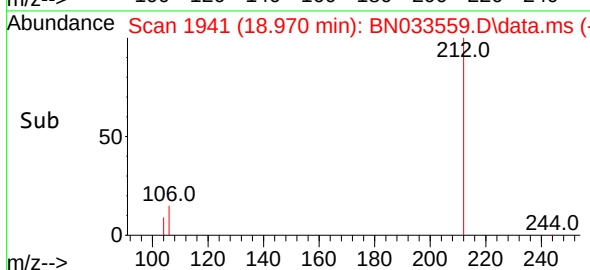
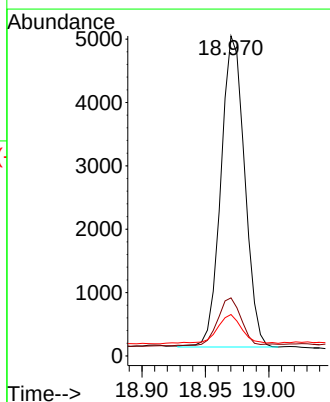
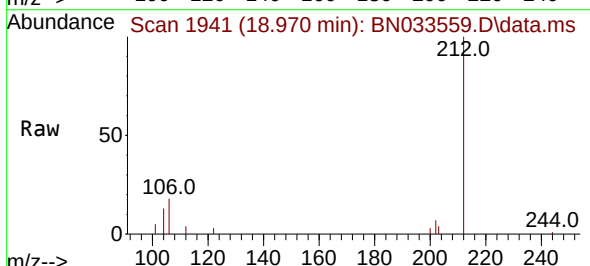
Manual Integrations
 APPROVED

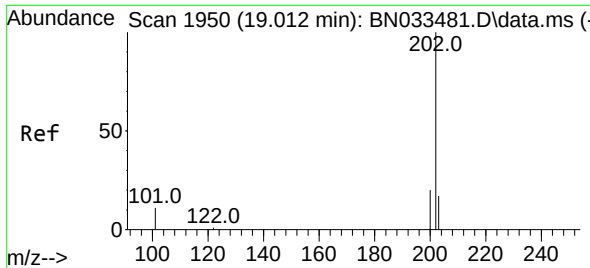
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#27
 Fluoranthene-d10
 Concen: 0.137 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033559.D
 Acq: 22 Aug 2024 18:56

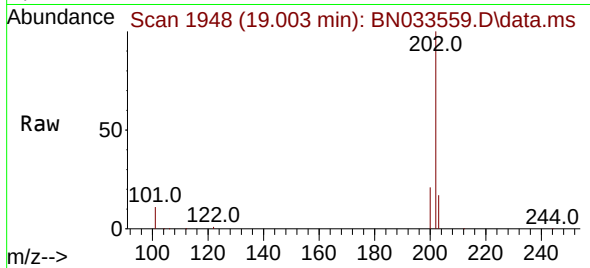
Tgt Ion:212 Resp: 6368
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.3 18.5
 104 10.0 7.0 10.4





#28
Fluoranthene
Concen: 5.008 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

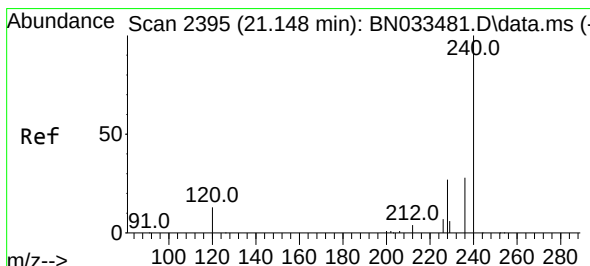
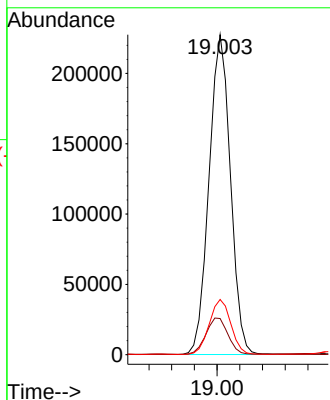
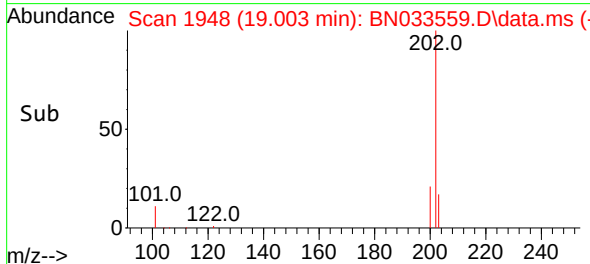
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:202 Resp: 297294
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.3 13.8 20.6

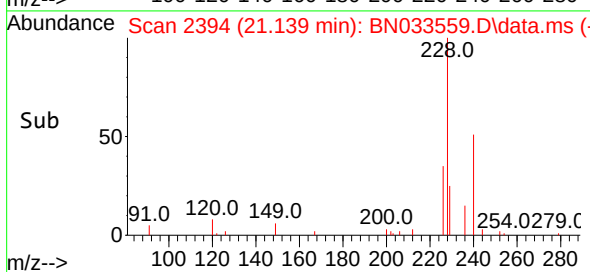
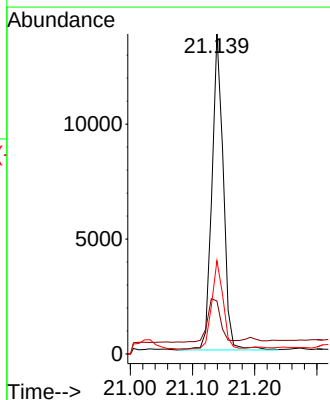
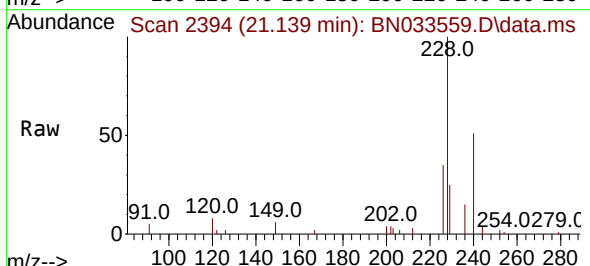
Manual Integrations
APPROVED

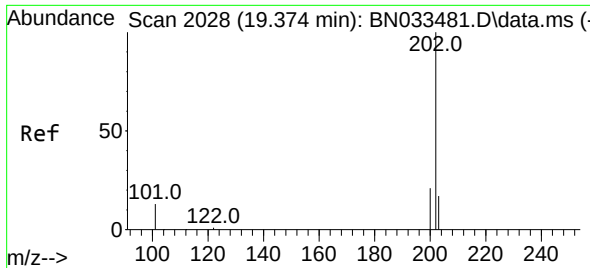
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

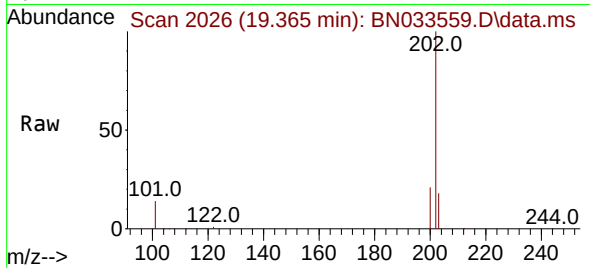
Tgt Ion:240 Resp: 17490
Ion Ratio Lower Upper
240 100
120 16.5 12.4 18.6
236 29.2 23.0 34.6





#30
Pyrene
Concen: 3.556 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

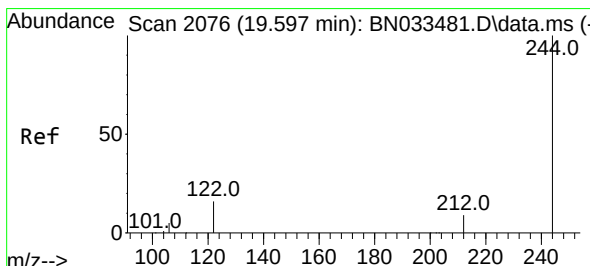
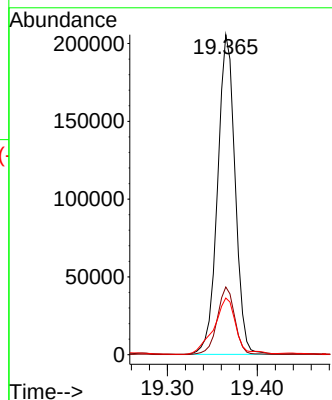
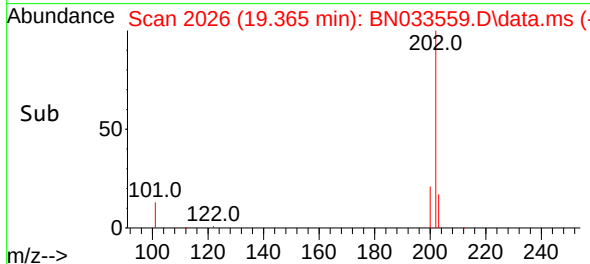
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:202 Resp: 277619
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.1 14.2 21.4

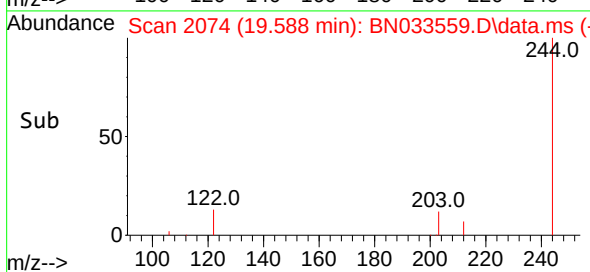
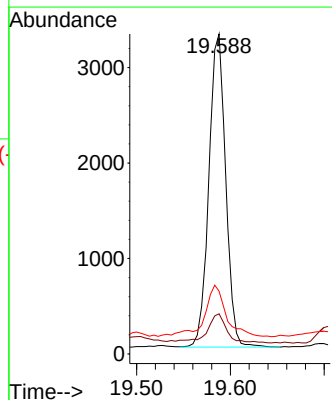
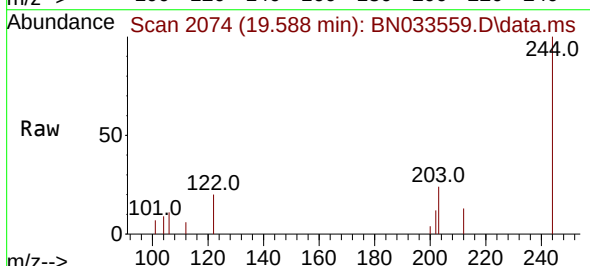
Manual Integrations
APPROVED

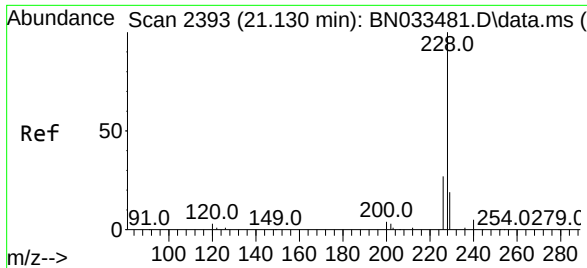
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#31
Terphenyl-d14
Concen: 0.103 ng
RT: 19.588 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

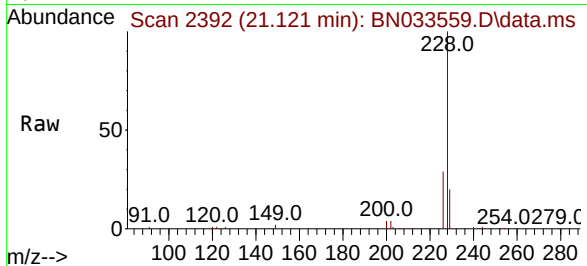
Tgt Ion:244 Resp: 4082
Ion Ratio Lower Upper
244 100
212 12.5 7.8 11.6
122 19.6 13.3 19.9





#32
Benzo(a)anthracene
Concen: 2.720 ng
RT: 21.121 min Scan# 2117
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

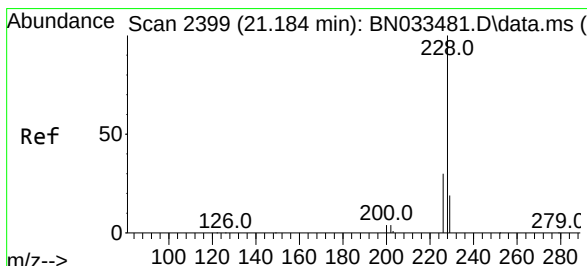
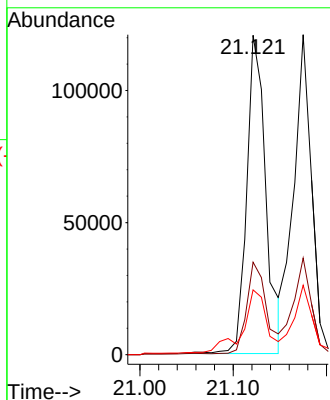
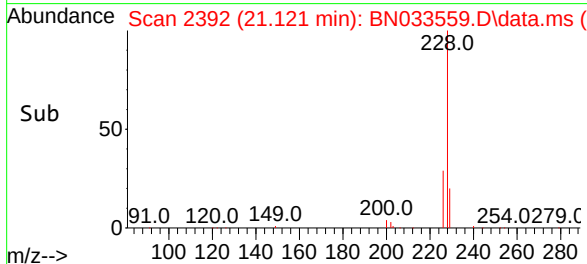
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:228 Resp: 17197
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.6
229 20.3 15.8 23.6

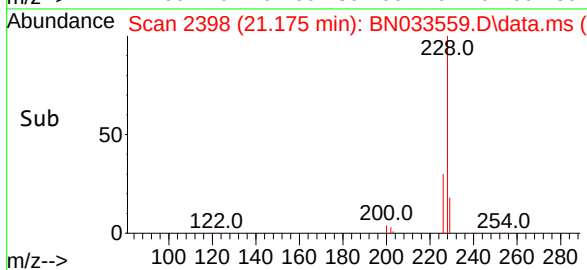
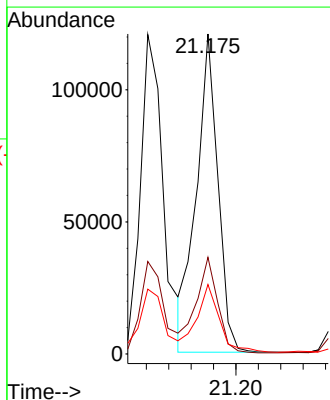
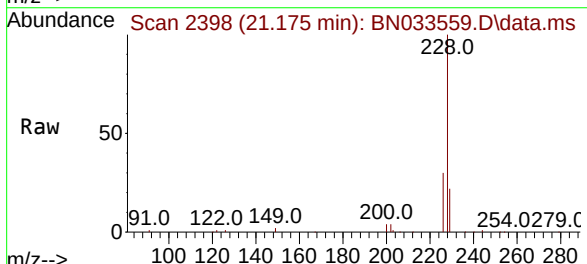
Manual Integrations
APPROVED

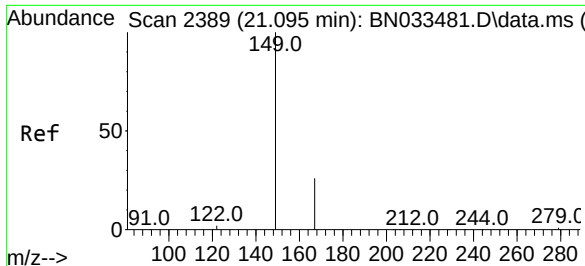
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#33
Chrysene
Concen: 2.550 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

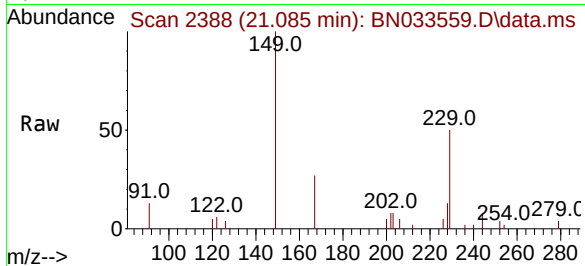
Tgt Ion:228 Resp: 160245
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 21.7 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.242 ng m
RT: 21.085 min Scan# 2108
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

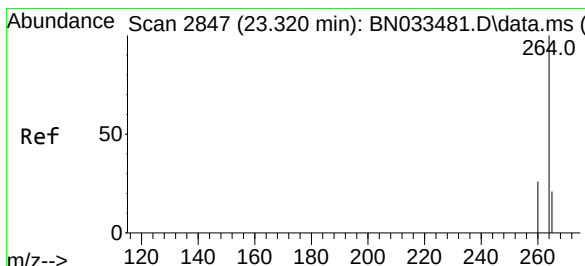
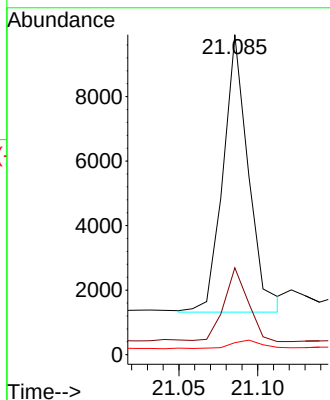
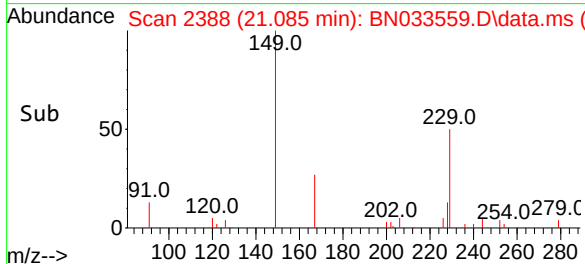
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:149 Resp: 966
Ion Ratio Lower Upper
149 100
167 29.1 21.5 32.3
279 5.2 2.2 3.2

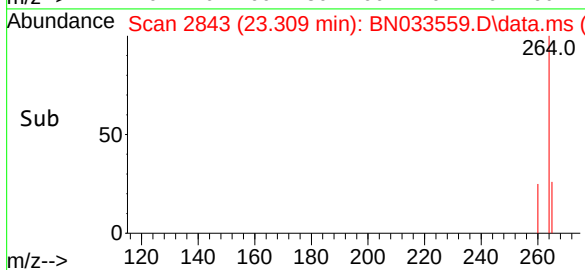
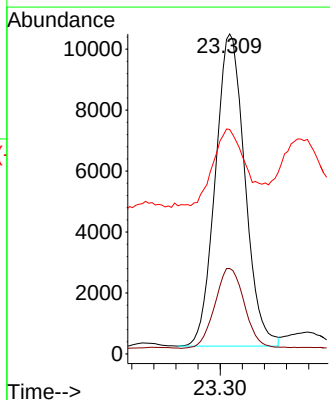
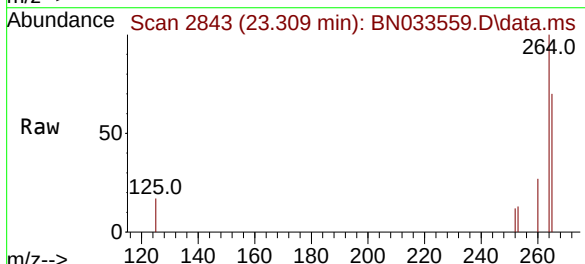
Manual Integrations
APPROVED

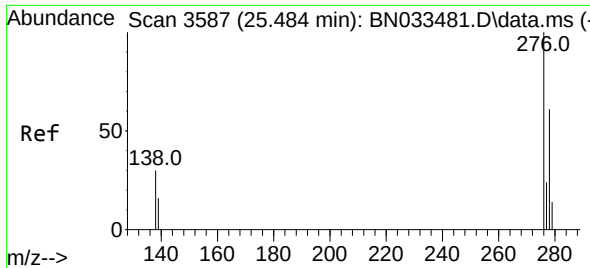
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. -0.012 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

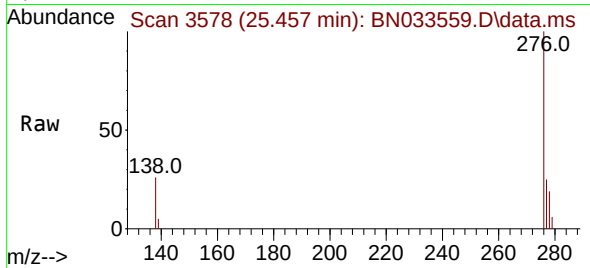
Tgt Ion:264 Resp: 18970
Ion Ratio Lower Upper
264 100
260 26.7 20.8 31.2
265 70.2 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.558 ng
RT: 25.457 min Scan# 3587
Delta R.T. -0.026 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

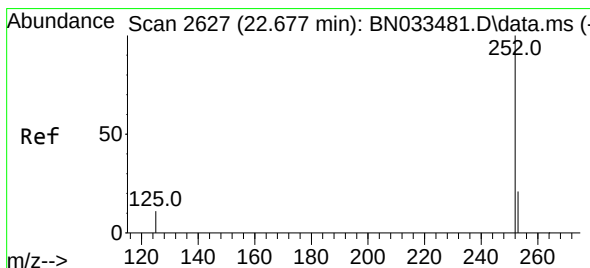
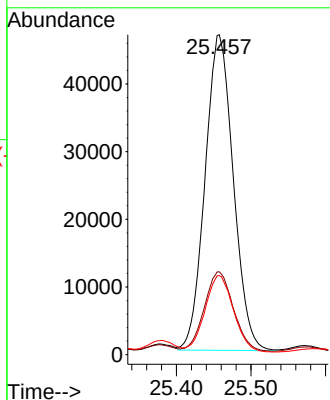
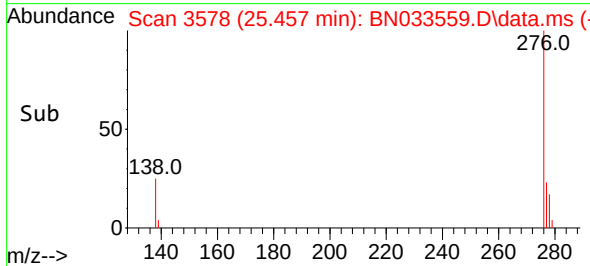
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:276 Resp: 122698
Ion Ratio Lower Upper
276 100
138 25.8 24.4 36.6
277 24.4 19.8 29.6

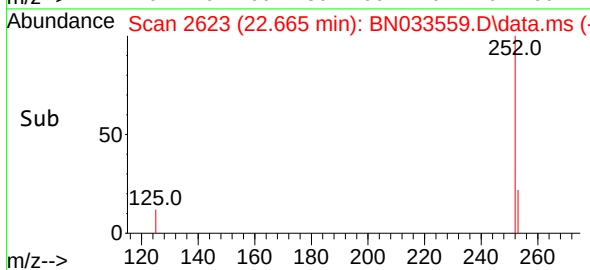
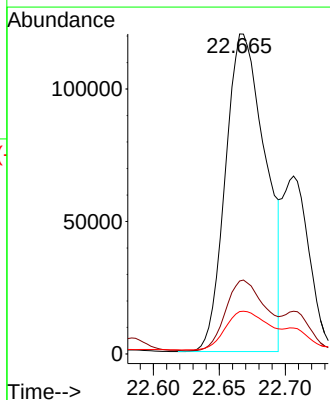
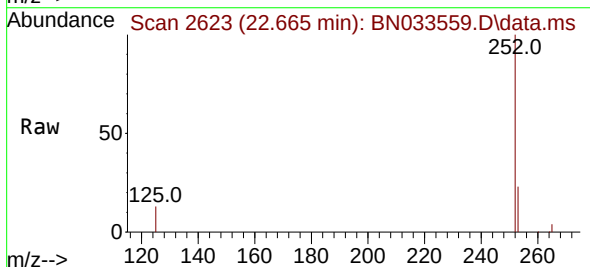
Manual Integrations
APPROVED

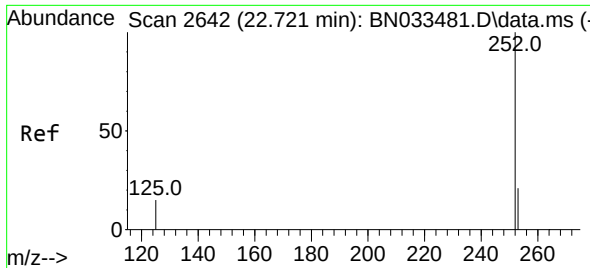
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#37
Benzo(b)fluoranthene
Concen: 3.569 ng
RT: 22.665 min Scan# 2623
Delta R.T. -0.012 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

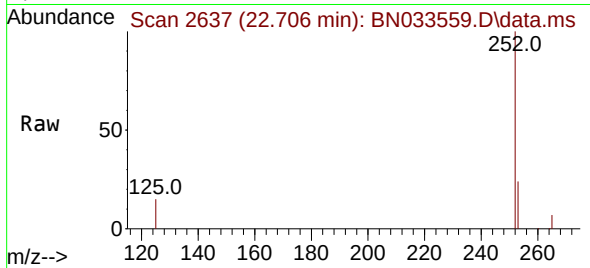
Tgt Ion:252 Resp: 252813
Ion Ratio Lower Upper
252 100
253 22.8 19.8 29.8
125 13.3 13.9 20.9#





#38
Benzo(k)fluoranthene
Concen: 1.347 ng m
RT: 22.706 min Scan# 2637
Delta R.T. -0.015 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

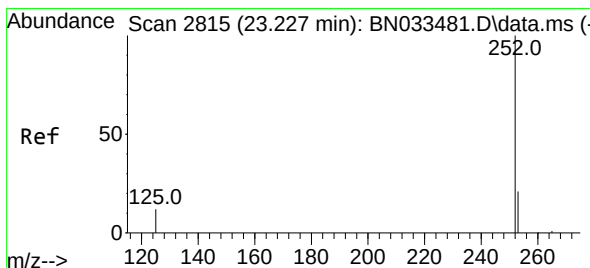
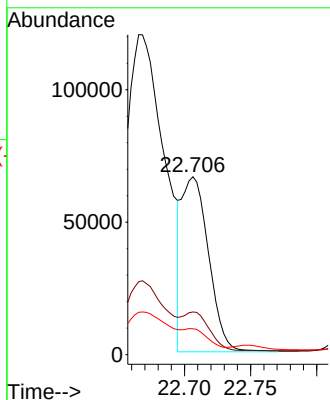
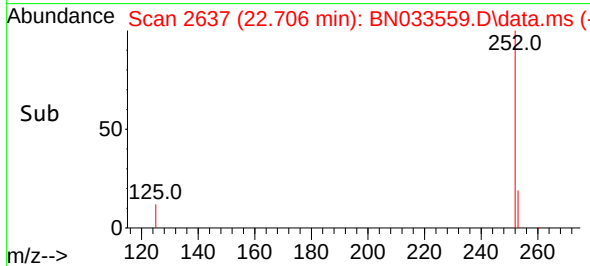
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:252 Resp: 93923
Ion Ratio Lower Upper
252 100
253 24.0 19.8 29.8
125 14.6 15.8 23.8

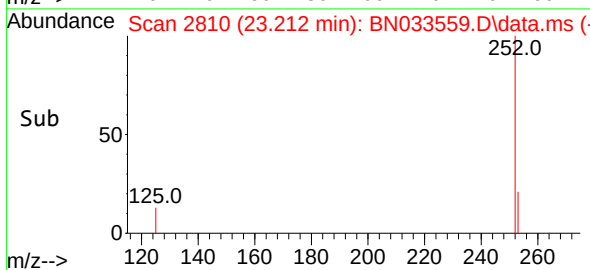
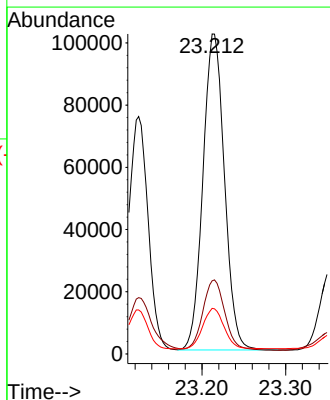
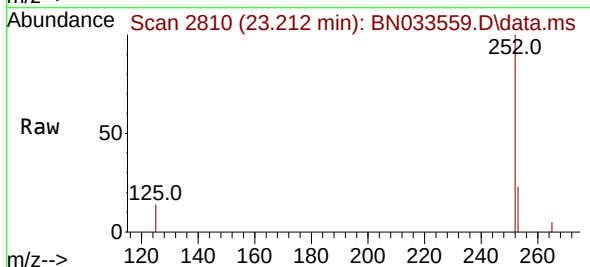
Manual Integrations
APPROVED

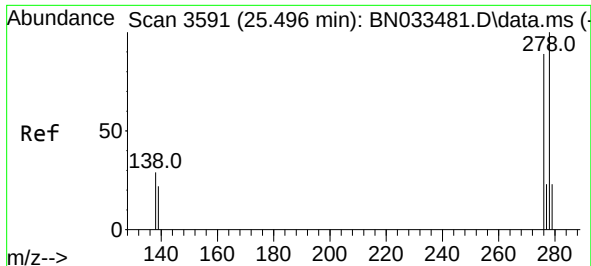
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#39
Benzo(a)pyrene
Concen: 3.099 ng m
RT: 23.212 min Scan# 2810
Delta R.T. -0.015 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

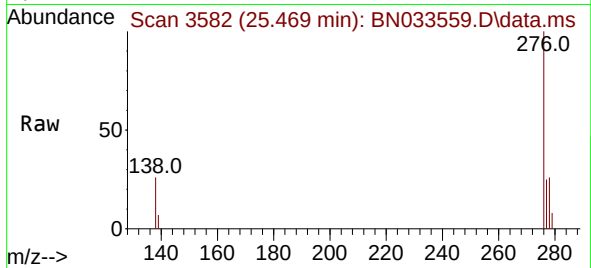
Tgt Ion:252 Resp: 181646
Ion Ratio Lower Upper
252 100
253 22.8 21.5 32.3
125 14.2 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.478 ng
RT: 25.469 min Scan# 30079
Delta R.T. -0.026 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

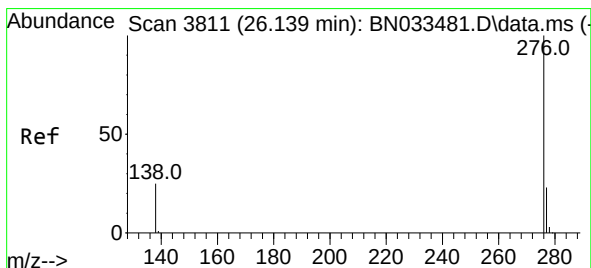
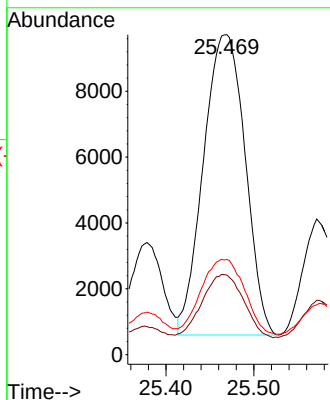
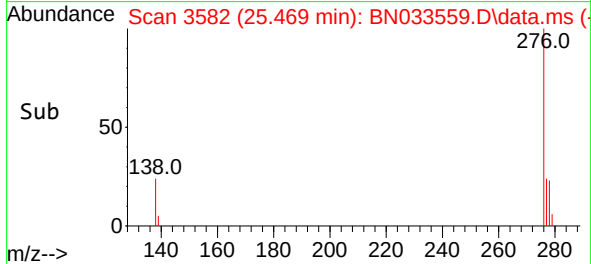
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624



Tgt Ion:278 Resp: 30079
Ion Ratio Lower Upper
278 100
139 24.9 19.1 28.7
279 29.8 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: 1.813 ng
RT: 26.112 min Scan# 3802
Delta R.T. -0.026 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:276 Resp: 122111
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 26.4 21.8 32.6

