

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033591.D
 Acq On : 23 Aug 2024 15:59
 Operator : MA/JU
 Sample : P3671-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD

Quant Time: Aug 23 16:53:16 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 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	6471	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	18310	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9783	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20641	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	16828	0.400	ng	# 0.00
35) Perylene-d12	23.309	264	18757	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	7252	0.353	ng	0.00
5) Phenol-d6	6.736	99	9414	0.385	ng	0.00
8) Nitrobenzene-d5	8.681	82	7067	0.465	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	10856	0.414	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	2643	0.503	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	14785	0.370	ng	0.00
27) Fluoranthene-d10	18.975	212	19419	0.391	ng	0.00
31) Terphenyl-d14	19.584	244	13742	0.359	ng	0.00
Target Compounds						
9) Naphthalene	10.357	128	8486	0.173	ng	Qvalue 96
12) 2-Methylnaphthalene	11.975	142	6355	0.205	ng	98
16) Acenaphthylene	13.900	152	14776	0.344	ng	97
17) Acenaphthene	14.242	154	3411	0.113	ng	95
18) Fluorene	15.236	166	5677	0.149	ng	# 87
25) Phenanthrene	16.967	178	114072	1.987	ng	99
26) Anthracene	17.066	178	18335	0.361	ng	# 93
28) Fluoranthene	19.003	202	293678	4.628	ng	100
30) Pyrene	19.365	202	255373	3.400	ng	# 96
32) Benzo(a)anthracene	21.121	228	119594	1.966	ng	95
33) Chrysene	21.175	228	143608	2.375	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	15136m	0.393	ng	
36) Indeno(1,2,3-cd)pyrene	25.461	276	110265	1.416	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	214874	3.068	ng	96
38) Benzo(k)fluoranthene	22.706	252	72890m	1.057	ng	
39) Benzo(a)pyrene	23.212	252	134904m	2.328	ng	
40) Dibenzo(a,h)anthracene	25.475	278	25089	0.403	ng	# 86
41) Benzo(g,h,i)perylene	26.118	276	110193	1.655	ng	99

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

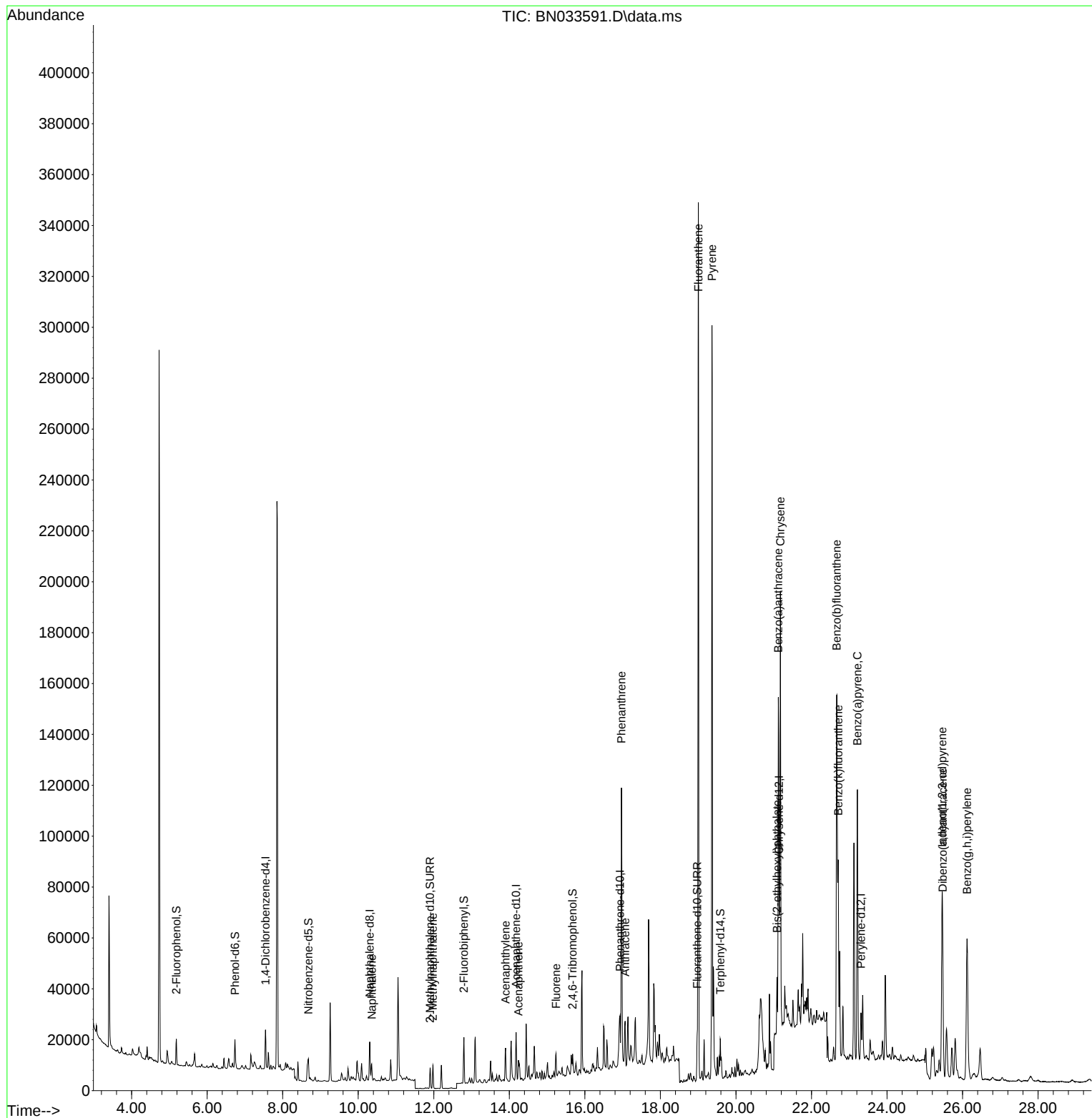
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
Data File : BN033591.D
Acq On : 23 Aug 2024 15:59
Operator : MA/JU
Sample : P3671-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Quant Time: Aug 23 16:53:16 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

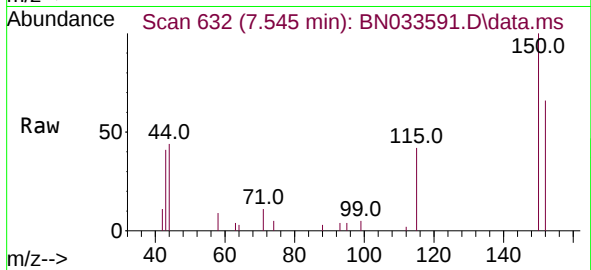
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

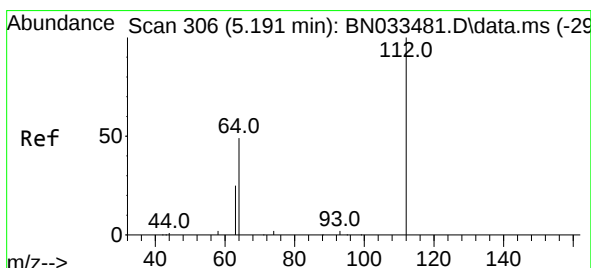
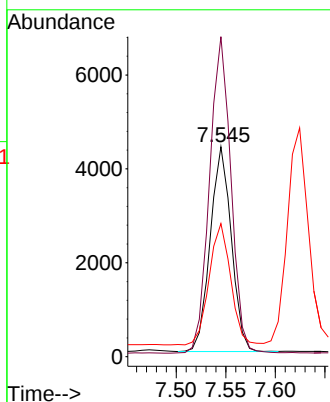
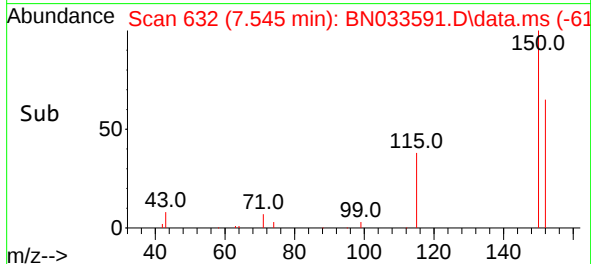
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:152 Resp: 647
Ion Ratio Lower Upper
152 100
150 152.5 122.2 183.2
115 63.4 47.2 70.8

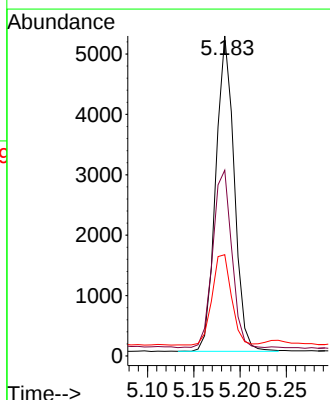
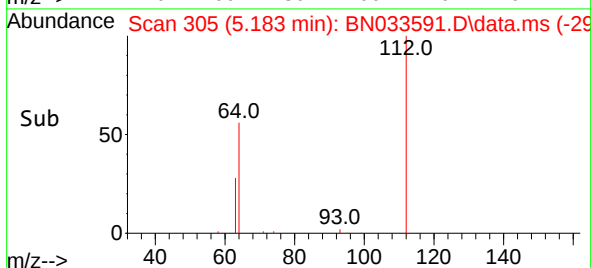
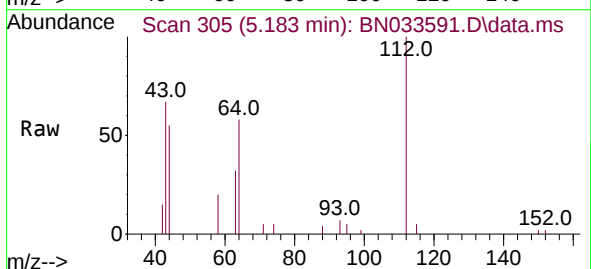
Manual Integrations
APPROVED

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



#4
2-Fluorophenol
Concen: 0.353 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

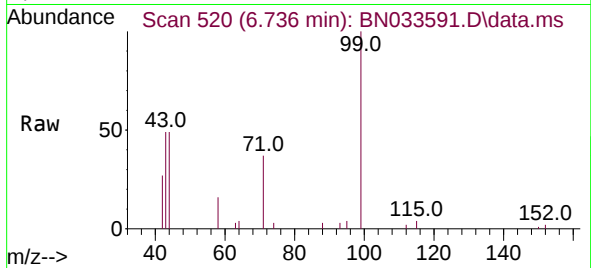
Tgt Ion:112 Resp: 7252
Ion Ratio Lower Upper
112 100
64 57.8 47.1 70.7
63 30.0 24.9 37.3





#5
Phenol-d6
Concen: 0.385 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

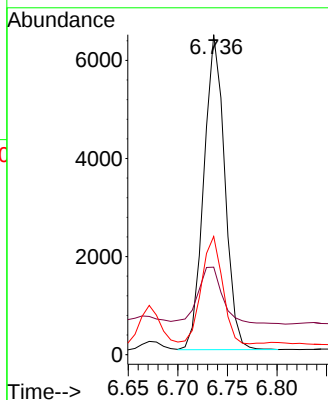
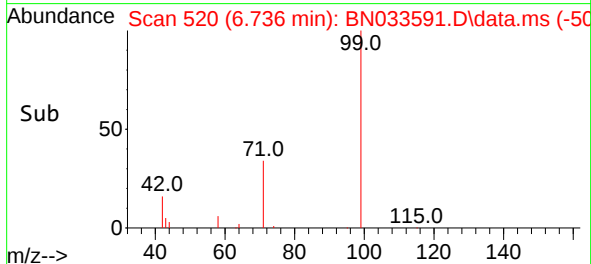
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



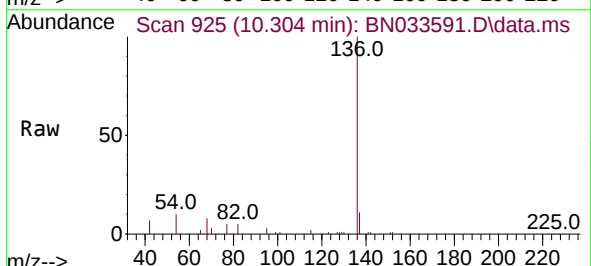
Tgt Ion: 99 Resp: 9414
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 34.3 26.2 39.4

Manual Integrations
APPROVED

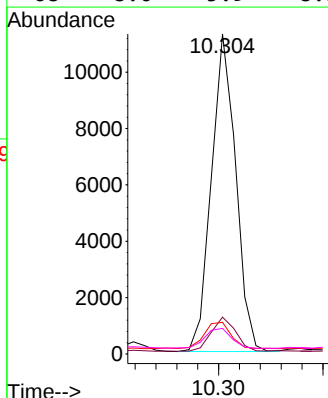
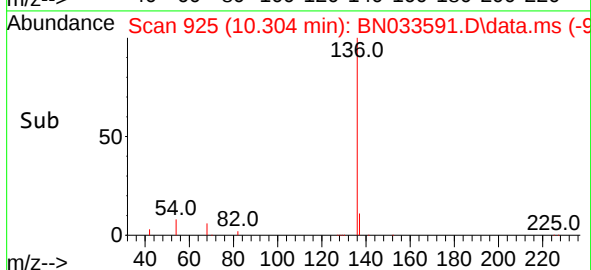
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59



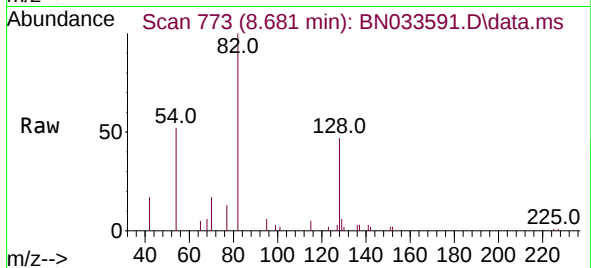
Tgt Ion:136 Resp: 18310
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.9 8.3 12.5
68 8.0 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.465 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

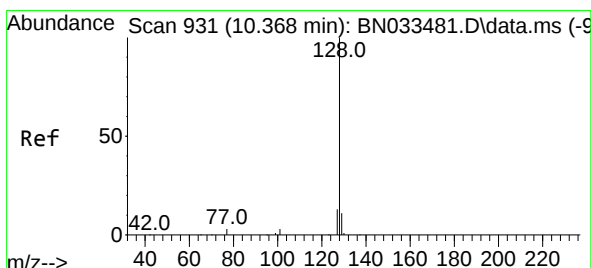
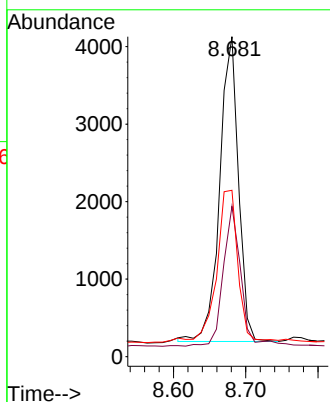
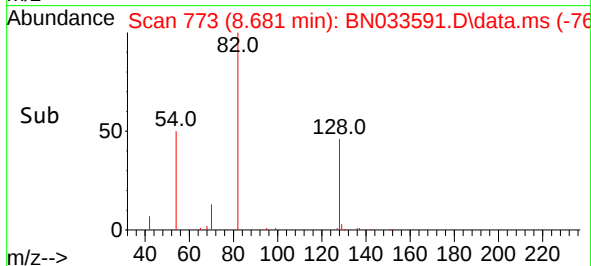
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion: 82 Resp: 706
Ion Ratio Lower Upper
82 100
128 47.0 36.0 54.0
54 52.0 42.0 63.0

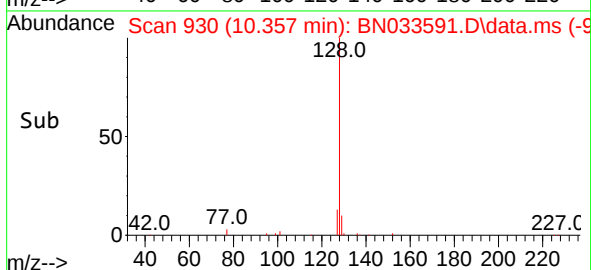
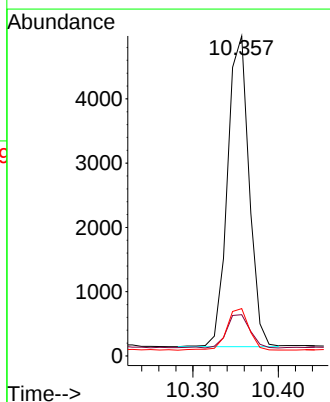
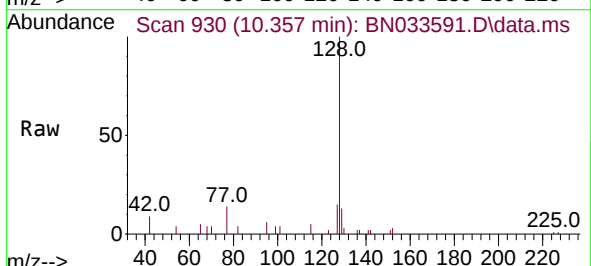
Manual Integrations
APPROVED

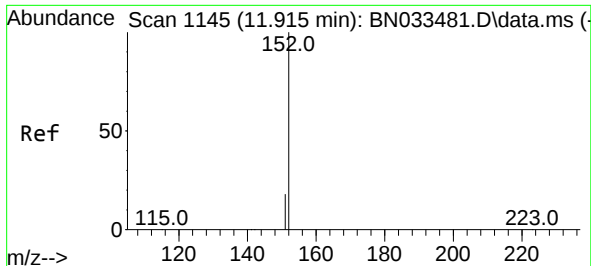
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#9
Naphthalene
Concen: 0.173 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

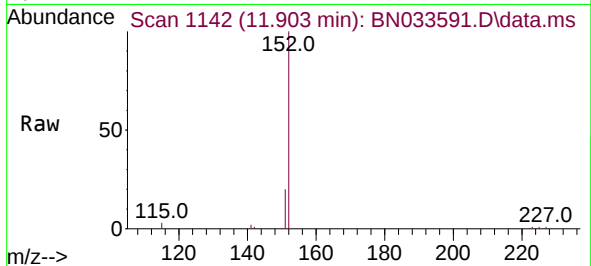
Tgt Ion:128 Resp: 8486
Ion Ratio Lower Upper
128 100
129 12.9 9.1 13.7
127 14.8 10.7 16.1





#11
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

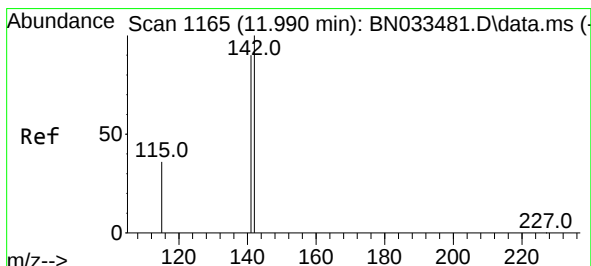
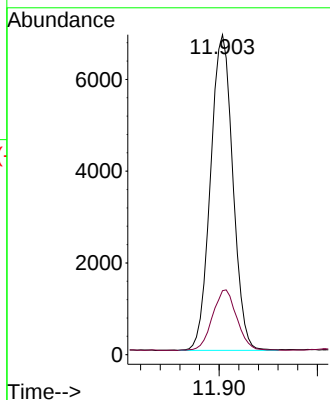
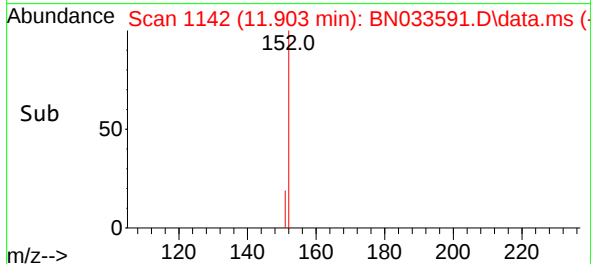
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:152 Resp: 10850
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0

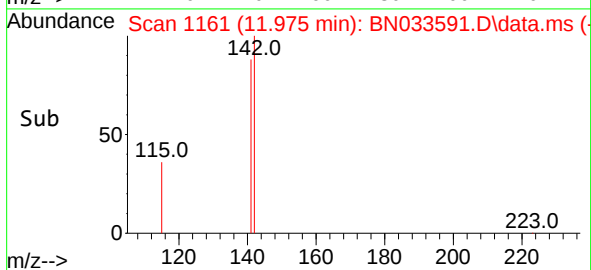
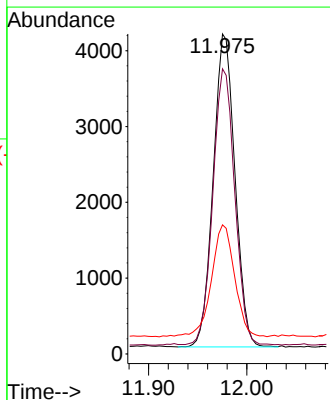
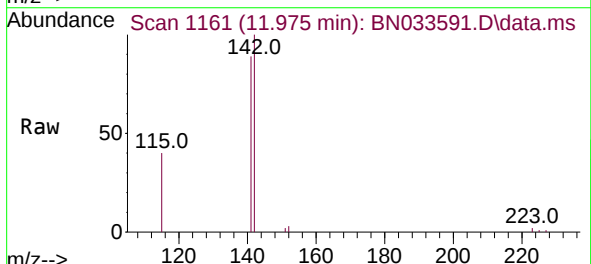
Manual Integrations
APPROVED

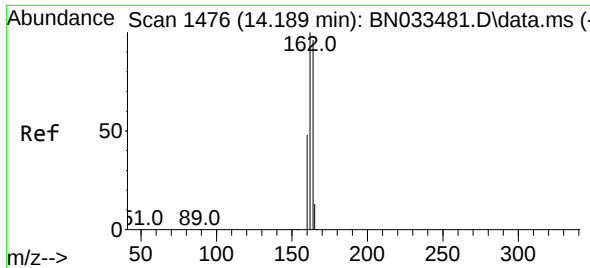
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#12
2-Methylnaphthalene
Concen: 0.205 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

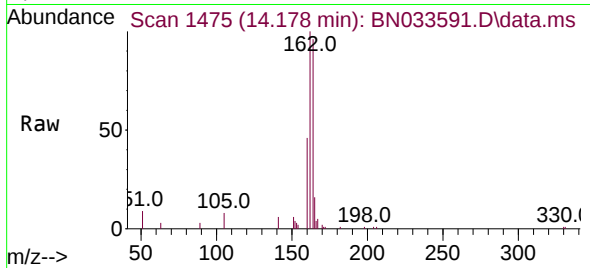
Tgt Ion:142 Resp: 6355
Ion Ratio Lower Upper
142 100
141 89.1 71.7 107.5
115 40.3 29.4 44.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

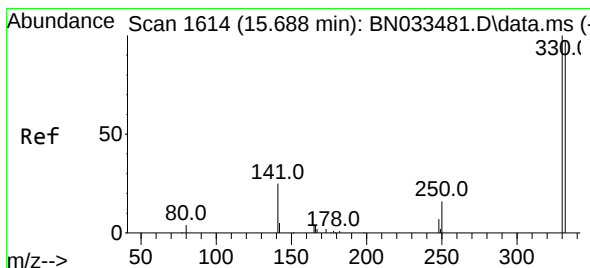
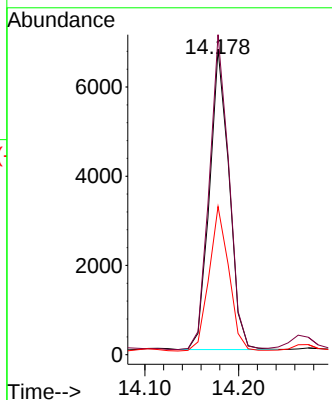
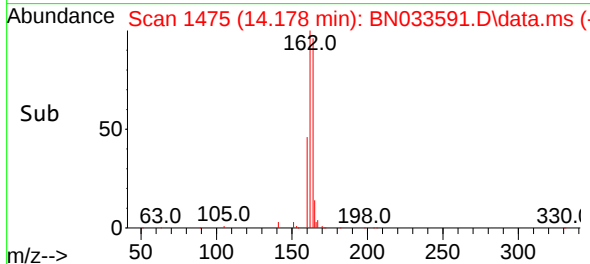
Instrument : BNA_N
ClientSampleId : S-911-K1-SO-0-0.5-081924-FD



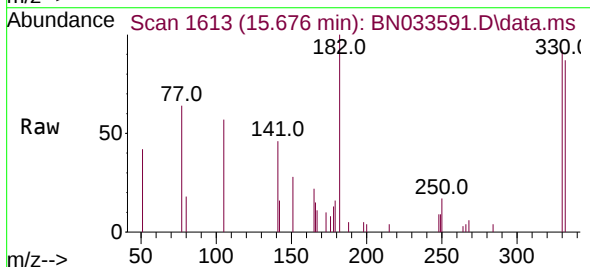
Tgt Ion:164 Resp: 978
Ion Ratio Lower Upper
164 100
162 104.7 83.5 125.3
160 48.5 40.2 60.4

Manual Integrations
APPROVED

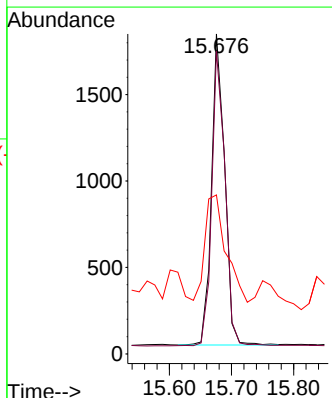
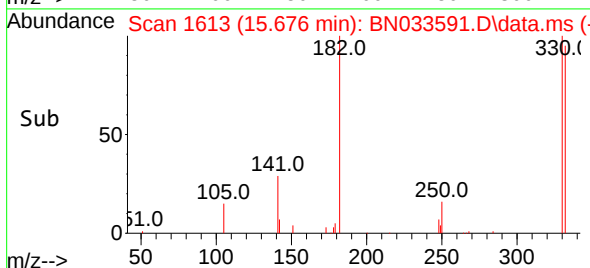
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

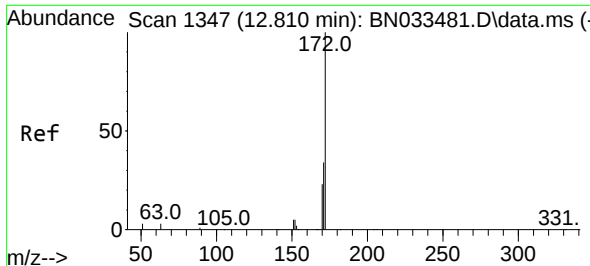


#14
2,4,6-Tribromophenol
Concen: 0.503 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59



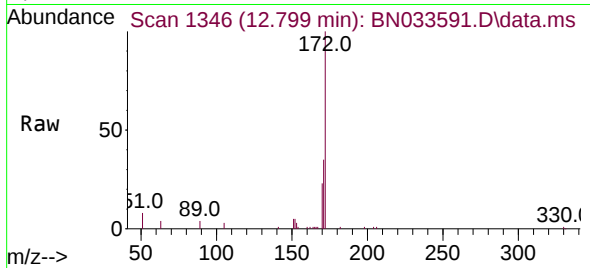
Tgt Ion:330 Resp: 2643
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 55.1 33.9 50.9#





#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.799 min Scan# 1478
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

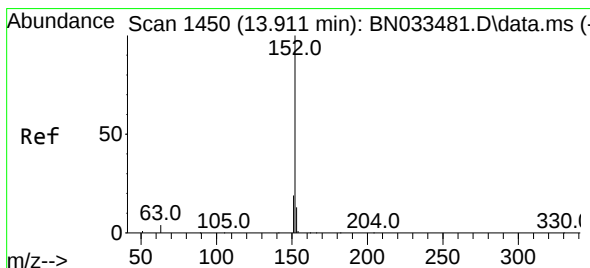
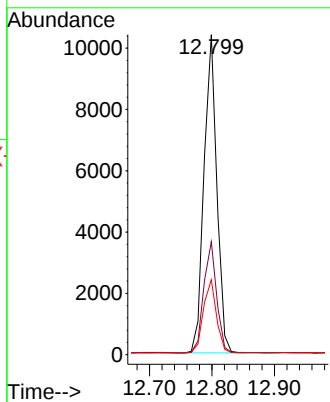
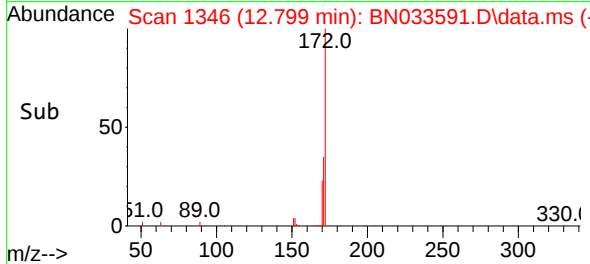
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:172 Resp: 14785
Ion Ratio Lower Upper
172 100
171 35.3 27.7 41.5
170 23.4 18.3 27.5

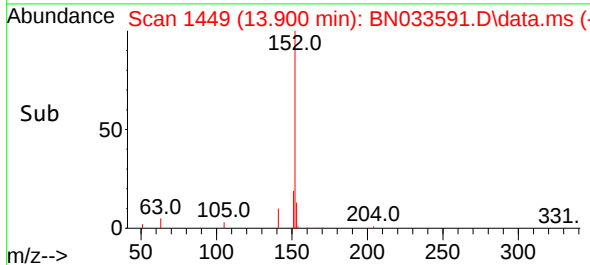
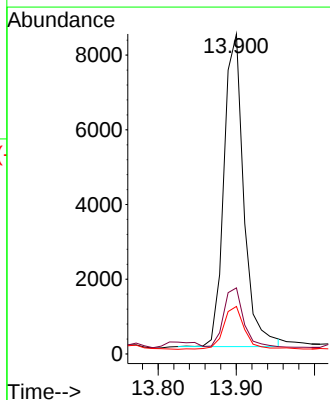
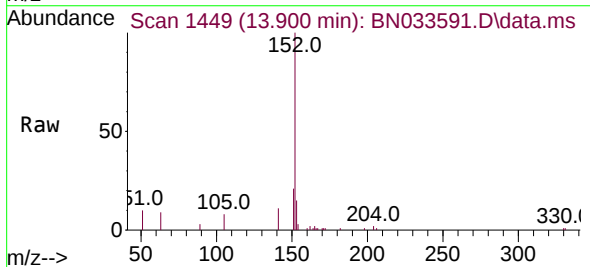
Manual Integrations
APPROVED

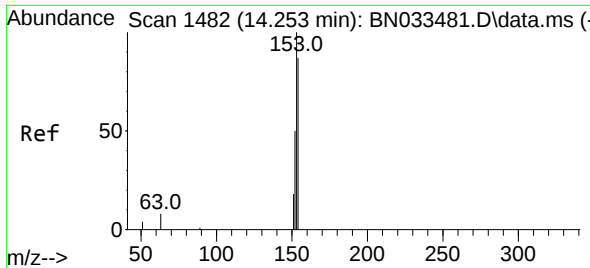
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#16
Acenaphthylene
Concen: 0.344 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

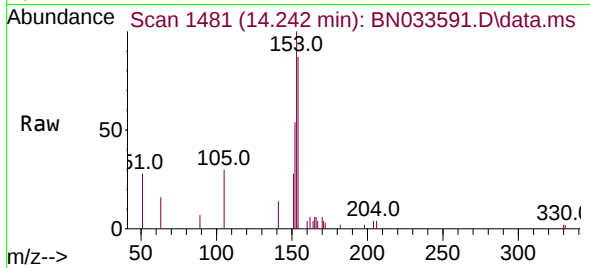
Tgt Ion:152 Resp: 14776
Ion Ratio Lower Upper
152 100
151 18.3 15.7 23.5
153 14.6 10.3 15.5





#17
Acenaphthene
Concen: 0.113 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

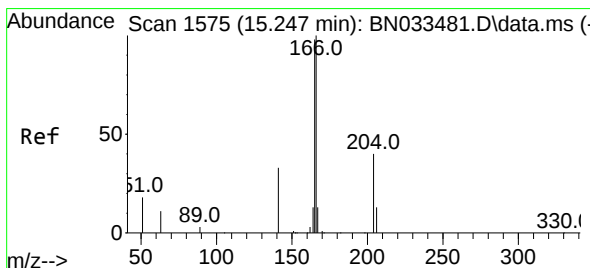
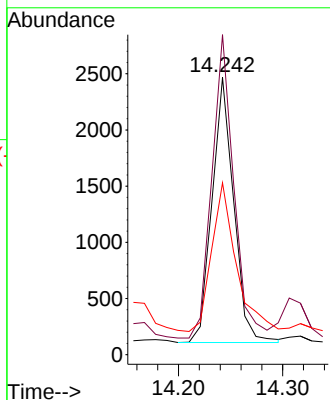
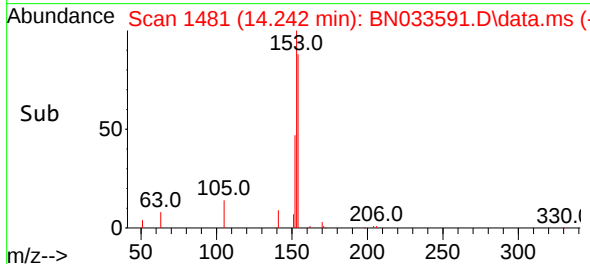
Instrument : BNA_N
ClientSampleId : S-911-K1-SO-0-0.5-081924-FD



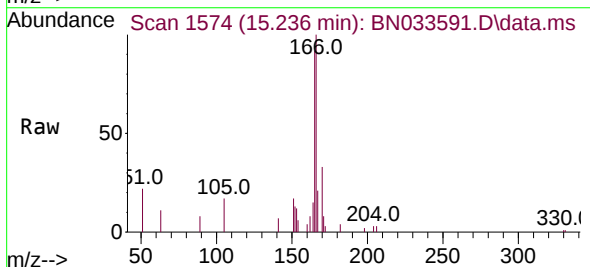
Tgt Ion:154 Resp: 341
Ion Ratio Lower Upper
154 100
153 115.1 89.0 133.6
152 63.3 45.2 67.8

Manual Integrations
APPROVED

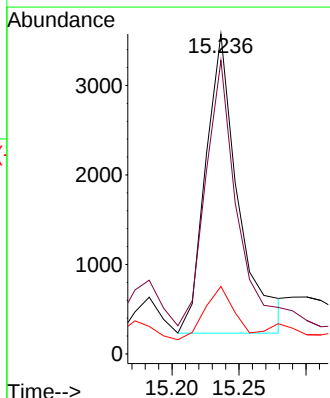
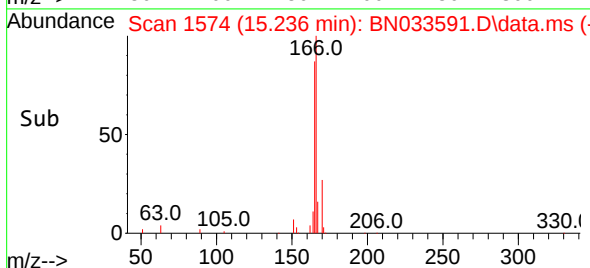
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024

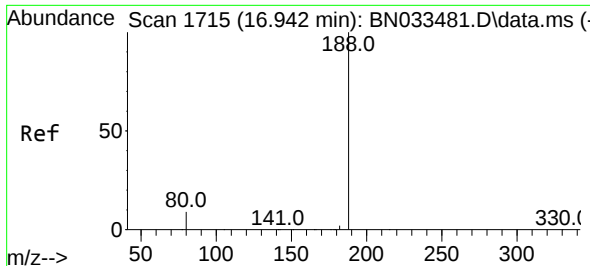


#18
Fluorene
Concen: 0.149 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59



Tgt Ion:166 Resp: 5677
Ion Ratio Lower Upper
166 100
165 84.4 78.2 117.4
167 17.2 10.6 16.0#





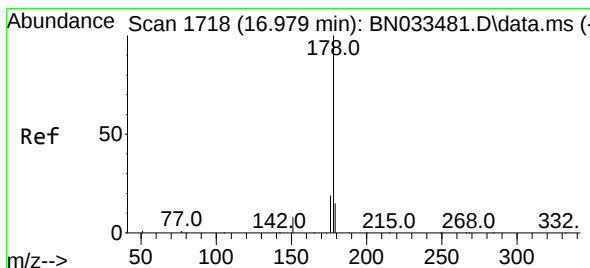
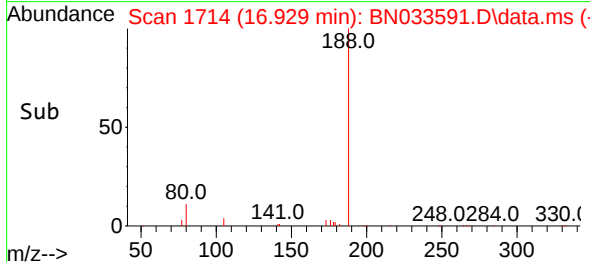
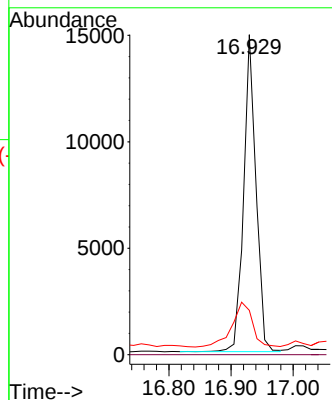
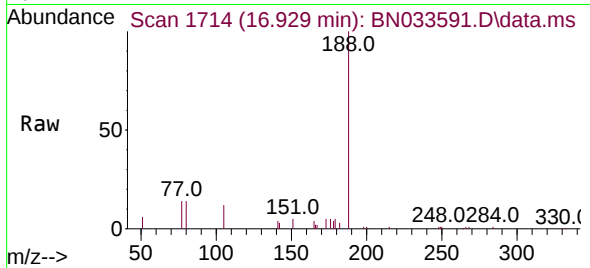
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

Tgt Ion:188 Resp: 2064
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 7.8 11.8

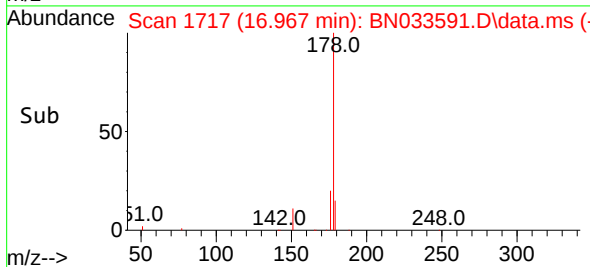
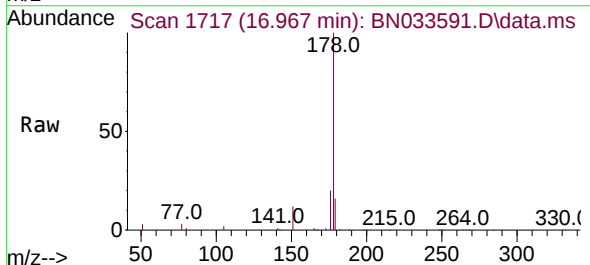
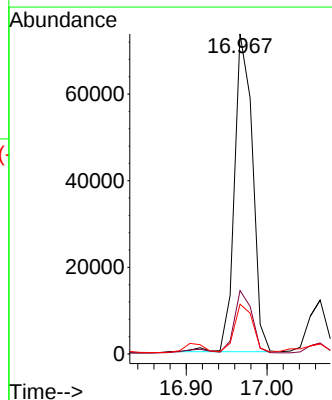
Manual Integrations
APPROVED

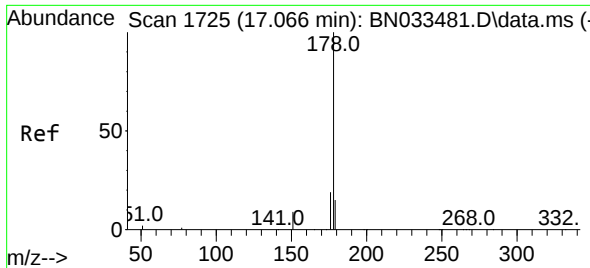
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#25
Phenanthrene
Concen: 1.987 ng
RT: 16.967 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

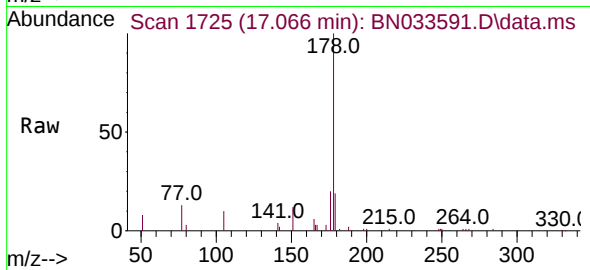
Tgt Ion:178 Resp: 114072
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 14.9 12.3 18.5





#26
 Anthracene
 Concen: 0.361 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033591.D
 Acq: 23 Aug 2024 15:59

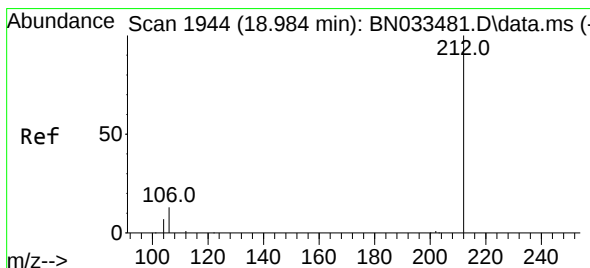
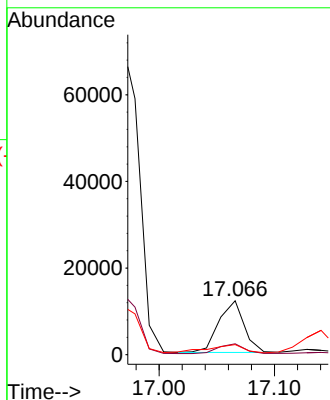
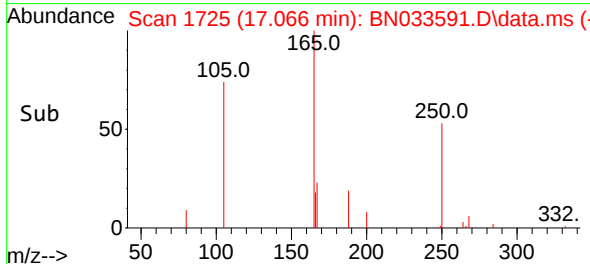
Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:178 Resp: 1833
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 21.4 12.4 18.6

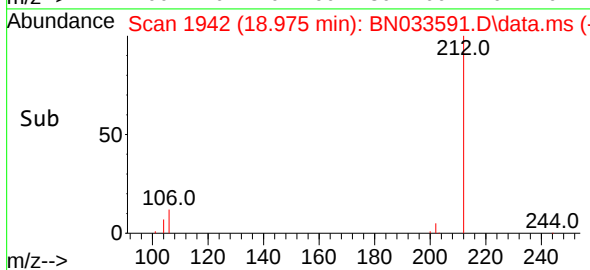
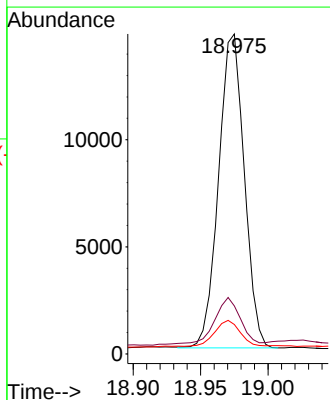
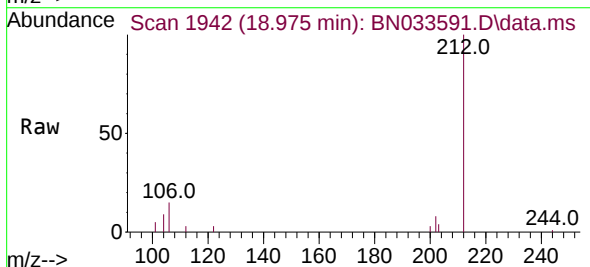
Manual Integrations
 APPROVED

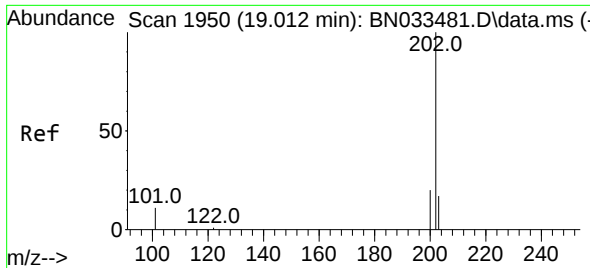
Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/29/2024



#27
 Fluoranthene-d10
 Concen: 0.391 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. 0.005 min
 Lab File: BN033591.D
 Acq: 23 Aug 2024 15:59

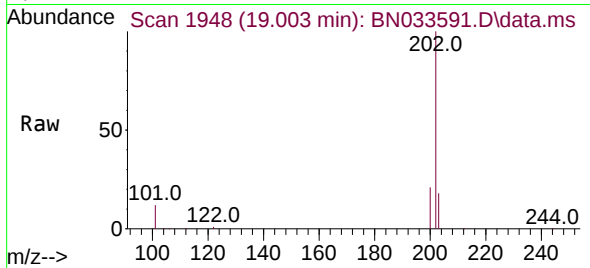
Tgt Ion:212 Resp: 19419
 Ion Ratio Lower Upper
 212 100
 106 15.8 12.3 18.5
 104 9.1 7.0 10.4





#28
Fluoranthene
Concen: 4.628 ng
RT: 19.003 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

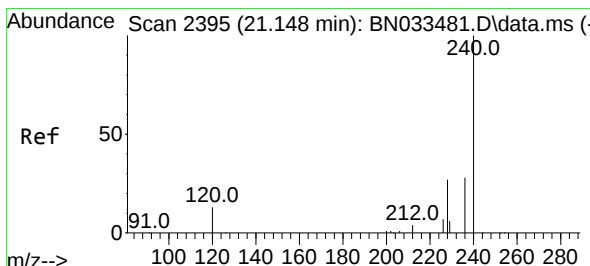
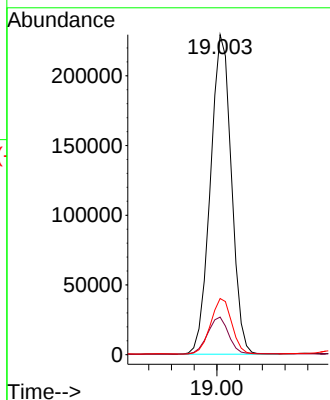
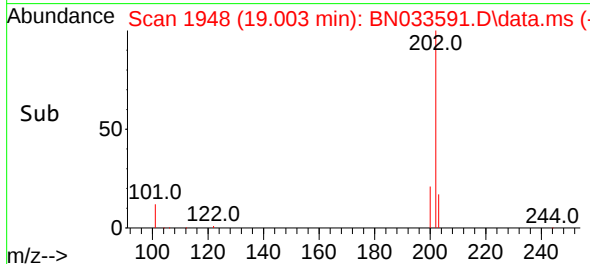
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:202 Resp: 293678
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.4 13.8 20.6

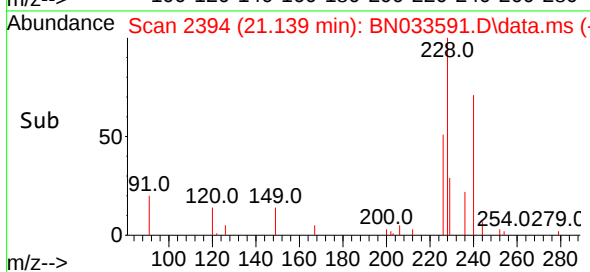
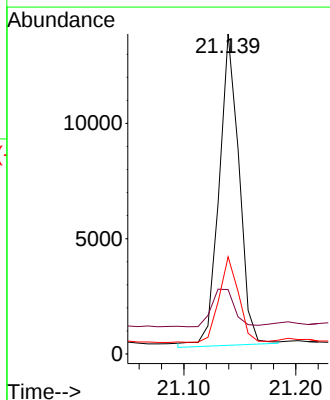
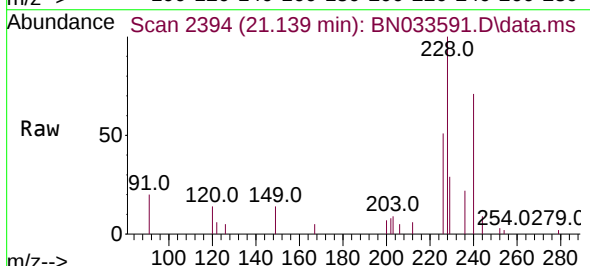
Manual Integrations
APPROVED

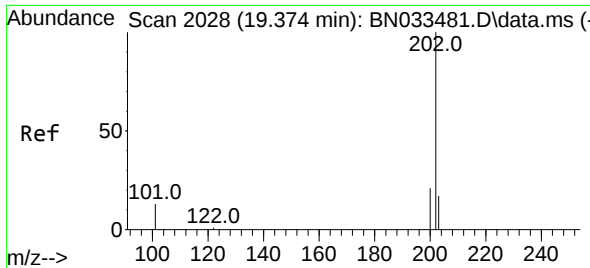
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

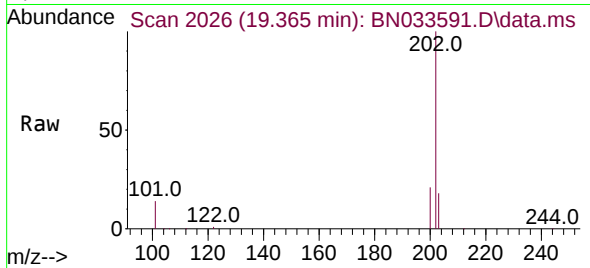
Tgt Ion:240 Resp: 16828
Ion Ratio Lower Upper
240 100
120 20.1 12.4 18.6#
236 30.4 23.0 34.6





#30
Pyrene
Concen: 3.400 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

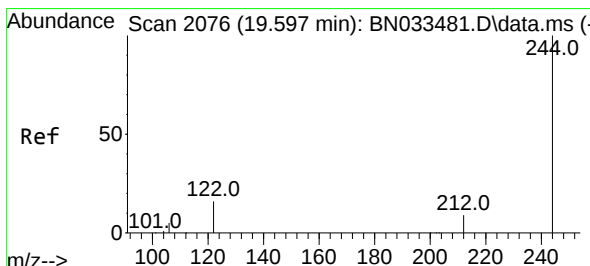
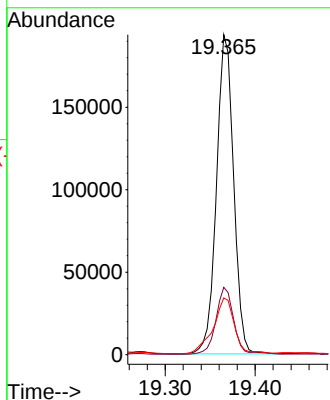
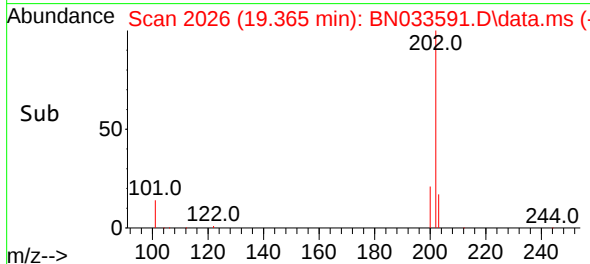
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:202 Resp: 25537
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.4 14.2 21.4

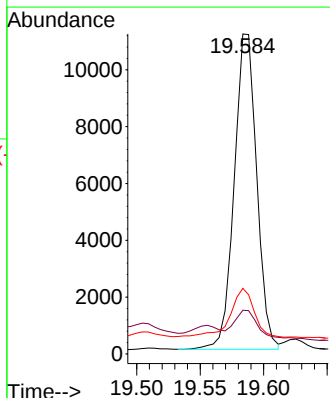
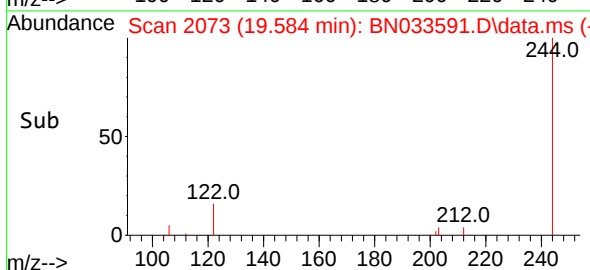
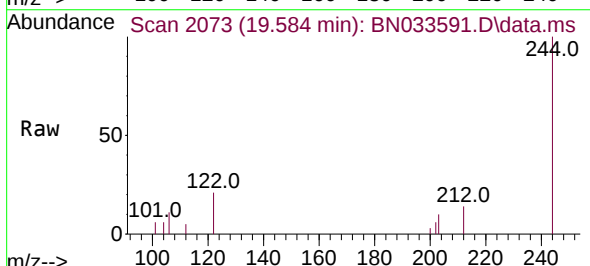
Manual Integrations
APPROVED

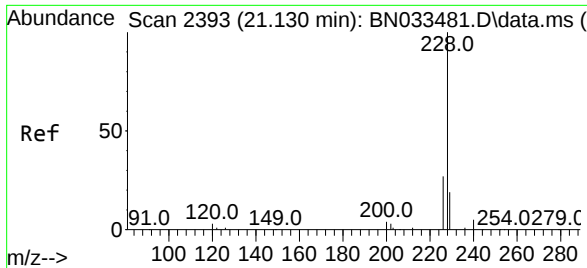
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.584 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

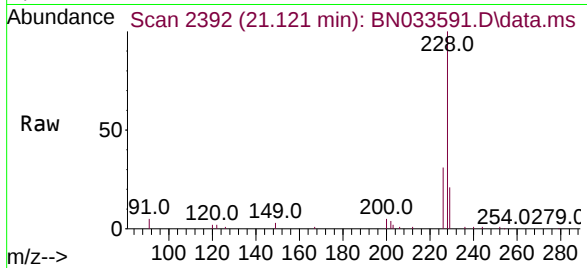
Tgt Ion:244 Resp: 13742
Ion Ratio Lower Upper
244 100
212 13.7 7.8 11.6#
122 20.5 13.3 19.9#





#32
Benzo(a)anthracene
Concen: 1.966 ng
RT: 21.121 min Scan# 211959
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

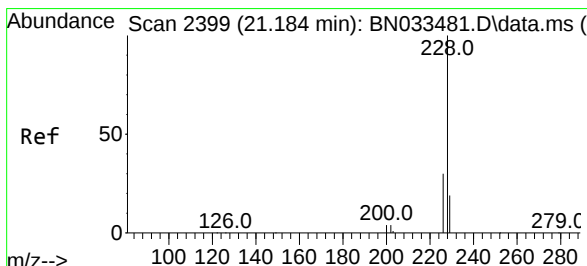
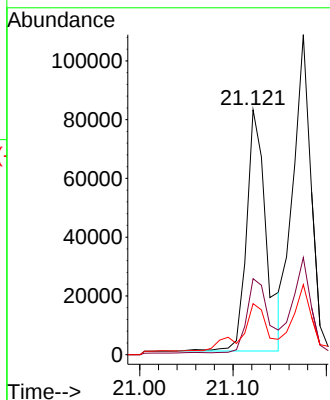
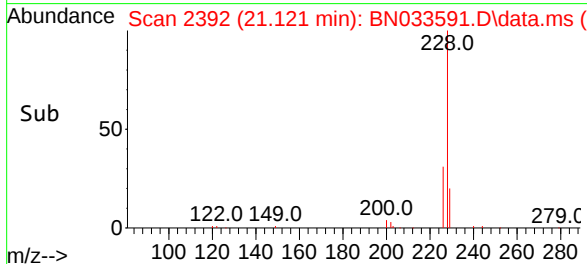
Instrument : BNA_N
ClientSampleId : S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:228 Resp: 119594
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.6
229 20.8 15.8 23.6

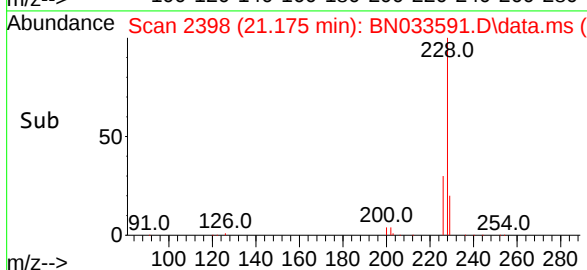
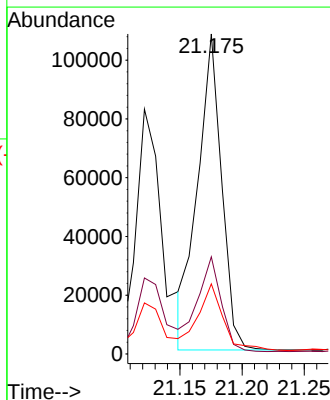
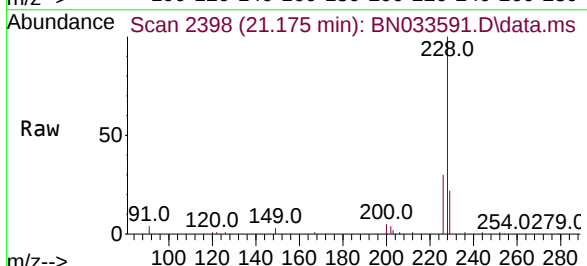
Manual Integrations
APPROVED

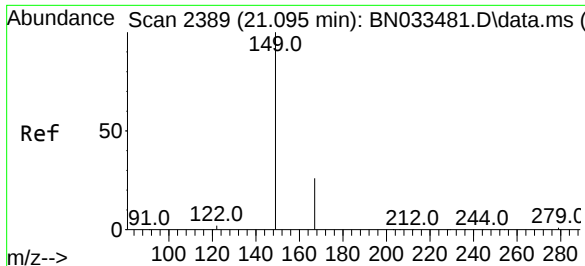
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#33
Chrysene
Concen: 2.375 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

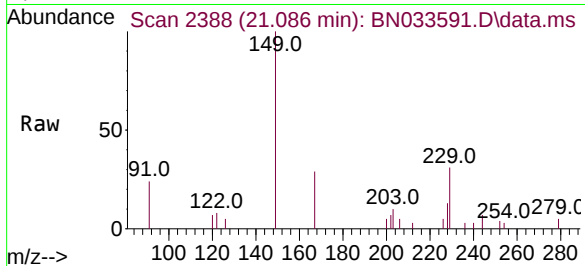
Tgt Ion:228 Resp: 143608
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.8
229 21.9 15.6 23.4





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.393 ng m
RT: 21.086 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

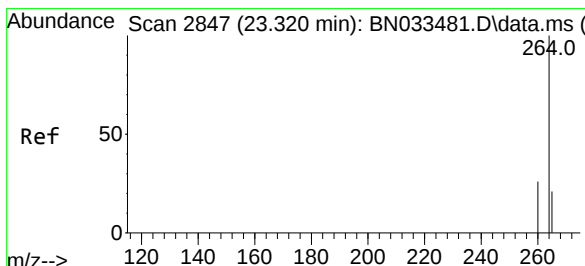
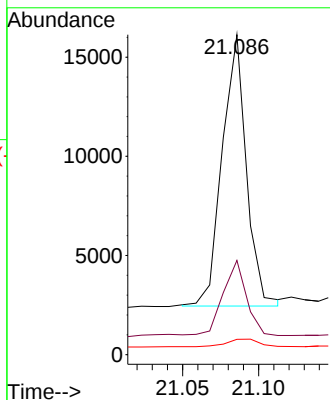
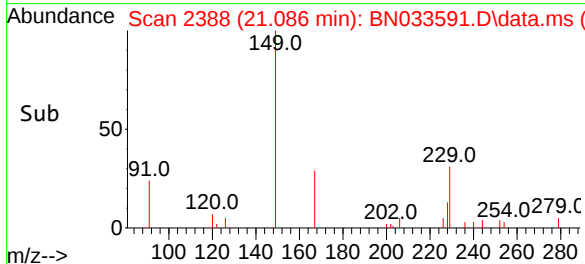
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:149 Resp: 15136
Ion Ratio Lower Upper
149 100
167 72.4 21.5 32.3
279 24.2 2.2 3.2

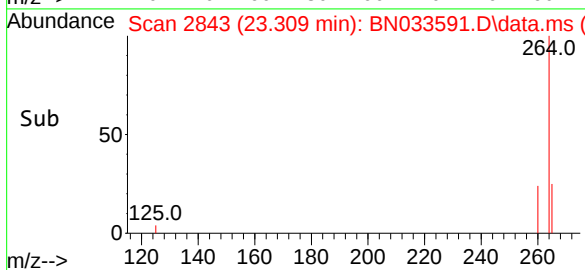
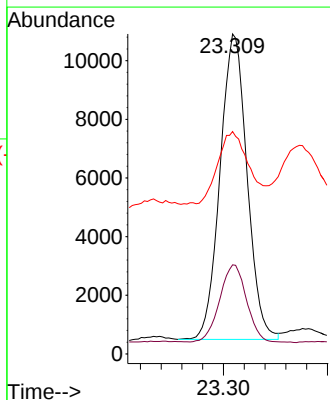
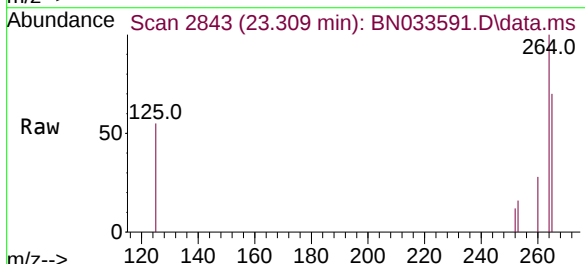
Manual Integrations
APPROVED

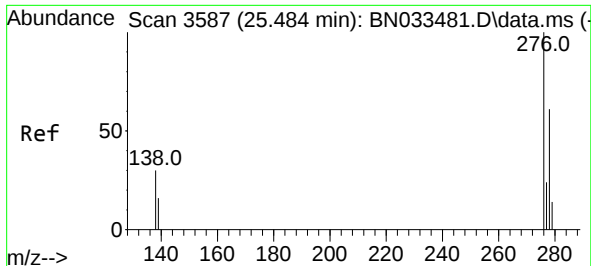
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

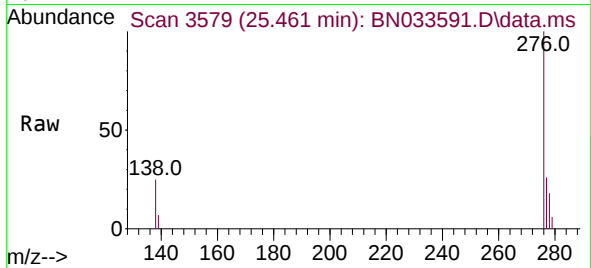
Tgt Ion:264 Resp: 18757
Ion Ratio Lower Upper
264 100
260 27.8 20.8 31.2
265 69.5 52.2 78.2





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.416 ng
RT: 25.461 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

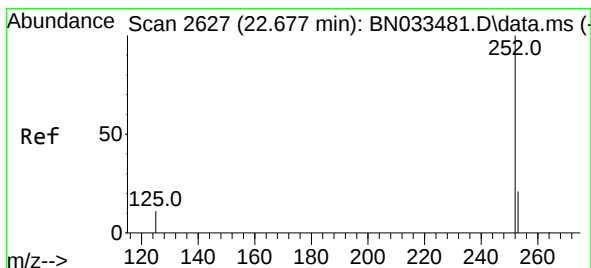
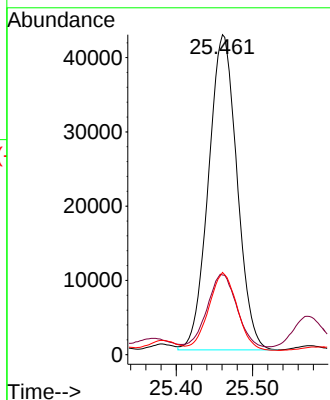
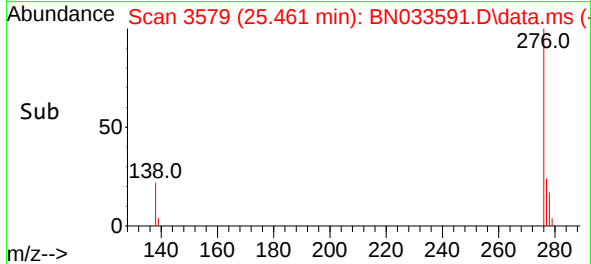
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:276 Resp: 110268
Ion Ratio Lower Upper
276 100
138 23.6 24.4 36.6
277 24.6 19.8 29.6

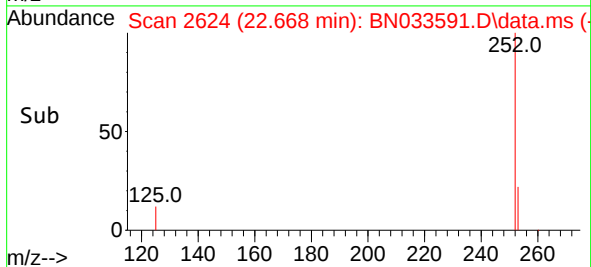
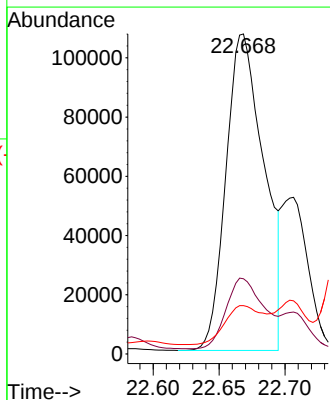
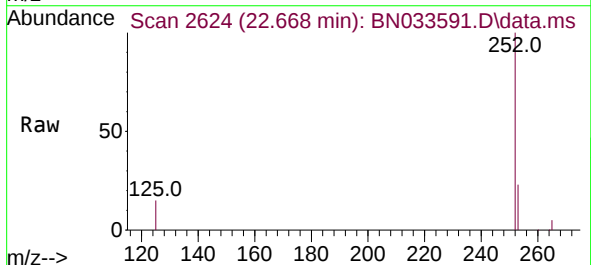
Manual Integrations
APPROVED

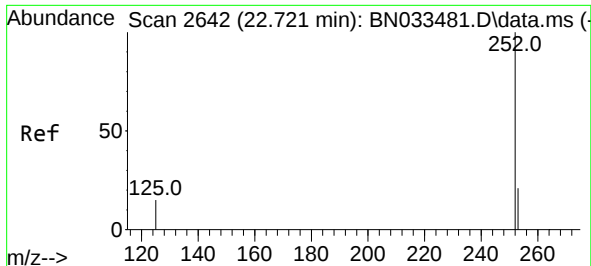
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#37
Benzo(b)fluoranthene
Concen: 3.068 ng
RT: 22.668 min Scan# 2624
Delta R.T. 0.009 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

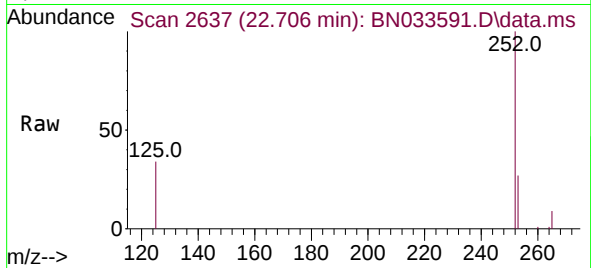
Tgt Ion:252 Resp: 214874
Ion Ratio Lower Upper
252 100
253 23.5 19.8 29.8
125 15.1 13.9 20.9





#38
Benzo(k)fluoranthene
Concen: 1.057 ng m
RT: 22.706 min Scan# 2637
Delta R.T. 0.003 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

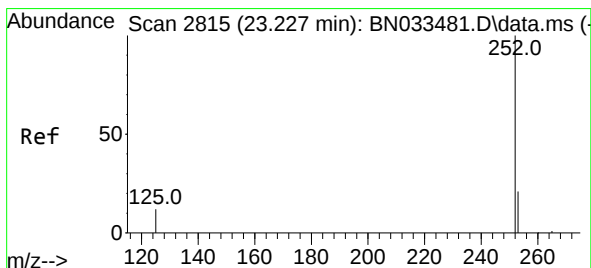
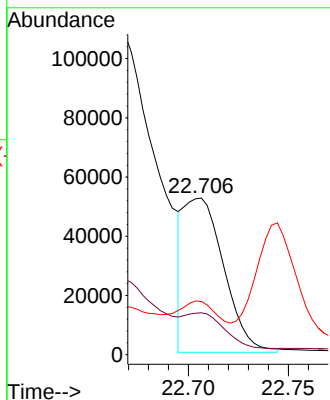
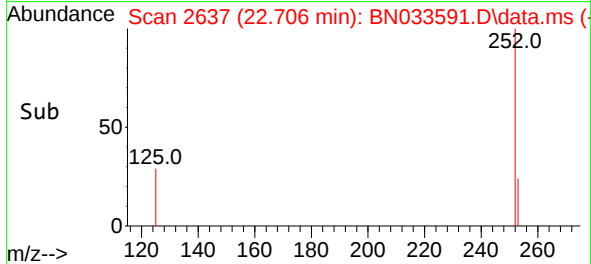
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:252 Resp: 72890
Ion Ratio Lower Upper
252 100
253 26.8 19.8 29.8
125 33.9 15.8 23.8

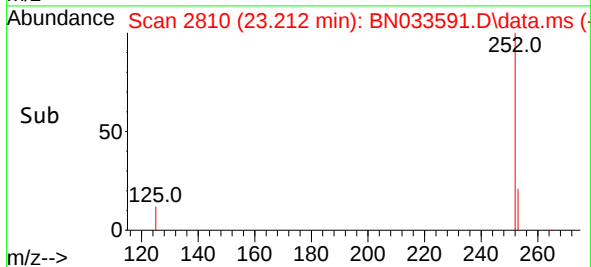
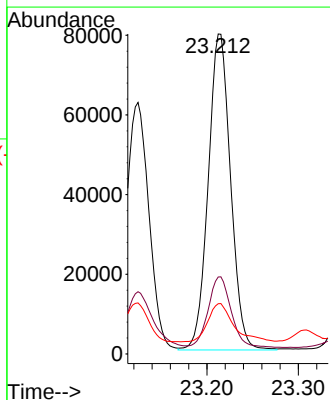
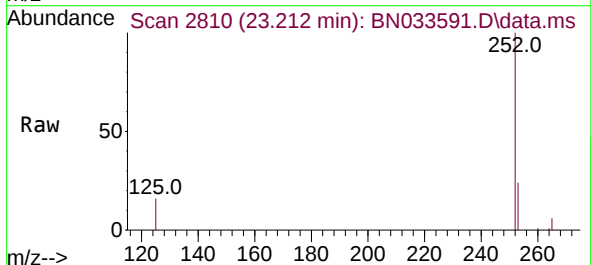
Manual Integrations
APPROVED

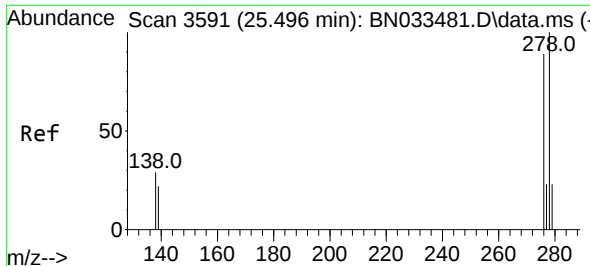
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/29/2024



#39
Benzo(a)pyrene
Concen: 2.328 ng m
RT: 23.212 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

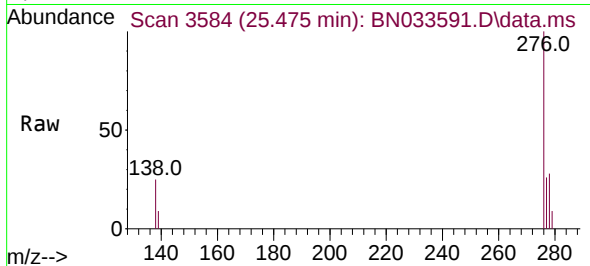
Tgt Ion:252 Resp: 134904
Ion Ratio Lower Upper
252 100
253 24.0 21.5 32.3
125 15.7 17.0 25.4





#40
Dibenzo(a,h)anthracene
Concen: 0.403 ng
RT: 25.475 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

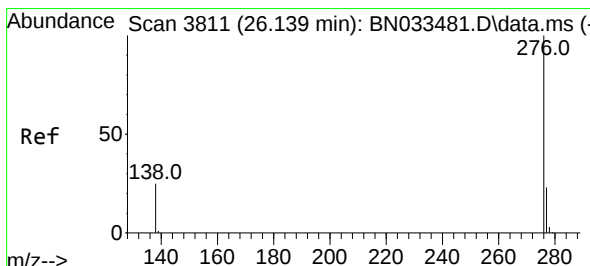
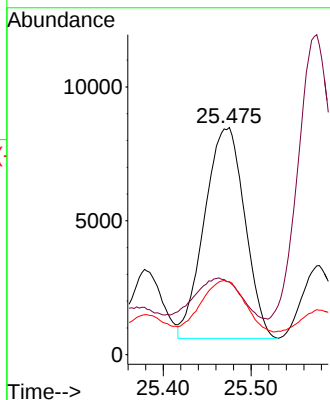
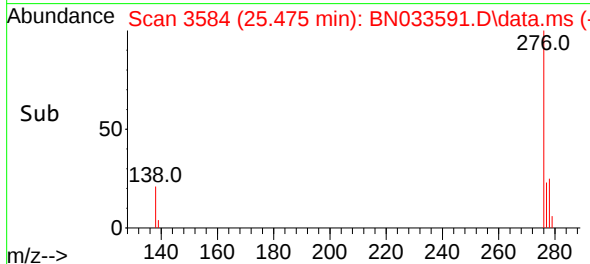
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:278 Resp: 25089
Ion Ratio Lower Upper
278 100
139 32.0 19.1 28.7
279 32.1 21.0 31.4

Manual Integrations
APPROVED

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



#41
Benzo(g,h,i)perylene
Concen: 1.655 ng
RT: 26.118 min Scan# 3804
Delta R.T. 0.015 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion:276 Resp: 110193
Ion Ratio Lower Upper
276 100
277 24.8 19.7 29.5
138 26.0 21.8 32.6

