

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033570.D
 Acq On : 23 Aug 2024 02:17
 Operator : MA/JU
 Sample : P3671-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-928-K1-SO-0.5-1-081924

Manual Integrations
 APPROVED

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

Quant Time: Aug 23 03:03:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7220	0.400	ng	0.00
7) Naphthalene-d8	10.303	136	18938	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9199	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	18224	0.400	ng	0.00
29) Chrysene-d12	21.139	240	14086	0.400	ng	0.00
35) Perylene-d12	23.302	264	15519	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	6041	0.263	ng	0.00
5) Phenol-d6	6.736	99	7436	0.272	ng	0.00
8) Nitrobenzene-d5	8.680	82	5274	0.336	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	6427	0.237	ng	0.00
14) 2,4,6-Tribromophenol	15.675	330	1120	0.226	ng	0.00
15) 2-Fluorobiphenyl	12.798	172	8825	0.235	ng	0.00
27) Fluoranthene-d10	18.970	212	8205	0.187	ng	0.00
31) Terphenyl-d14	19.583	244	5479	0.171	ng	0.00
Target Compounds						
16) Acenaphthylene	13.900	152	2139	0.053	ng	99
18) Fluorene	15.236	166	845m	0.024	ng	
25) Phenanthrene	16.966	178	10844m	0.214	ng	
26) Anthracene	17.065	178	1521	0.034	ng	# 84
28) Fluoranthene	19.002	202	25821	0.461	ng	99
30) Pyrene	19.365	202	21592	0.343	ng	96
32) Benzo(a)anthracene	21.121	228	8571m	0.168	ng	
33) Chrysene	21.175	228	13750	0.272	ng	96
34) Bis(2-ethylhexyl)phtha...	21.085	149	2516m	0.078	ng	
36) Indeno(1,2,3-cd)pyrene	25.448	276	10627	0.165	ng	96
37) Benzo(b)fluoranthene	22.659	252	20808	0.359	ng	# 88
38) Benzo(k)fluoranthene	22.697	252	7793m	0.137	ng	
39) Benzo(a)pyrene	23.206	252	11527	0.240	ng	# 84
40) Dibenzo(a,h)anthracene	25.457	278	2278	0.044	ng	# 37
41) Benzo(g,h,i)perylene	26.100	276	11177	0.203	ng	93

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

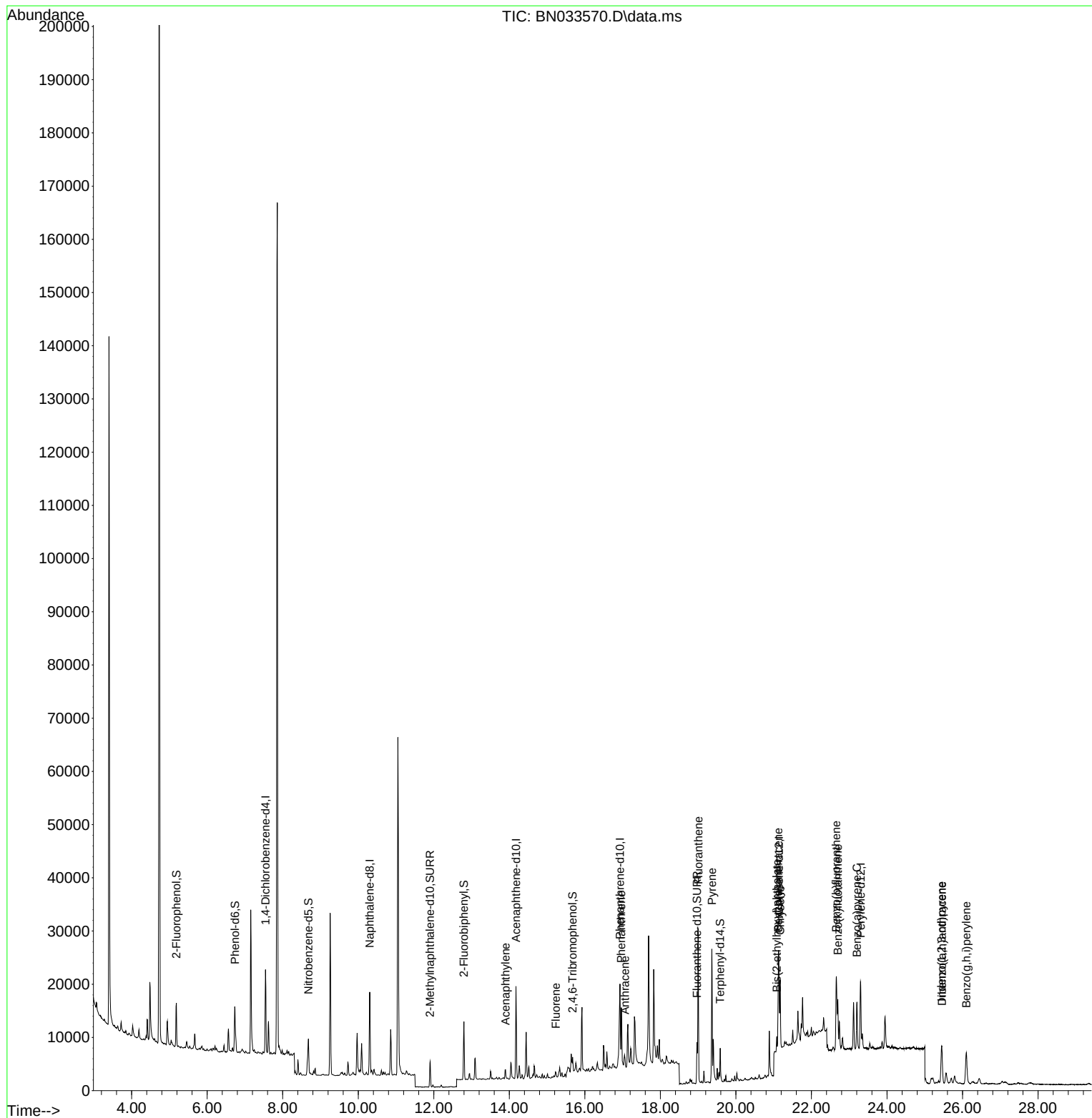
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033570.D
Acq On : 23 Aug 2024 02:17
Operator : MA/JU
Sample : P3671-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

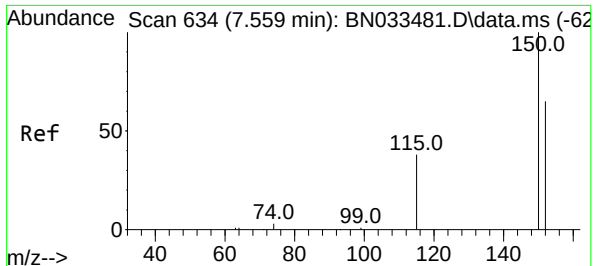
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924

Quant Time: Aug 23 03:03:09 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

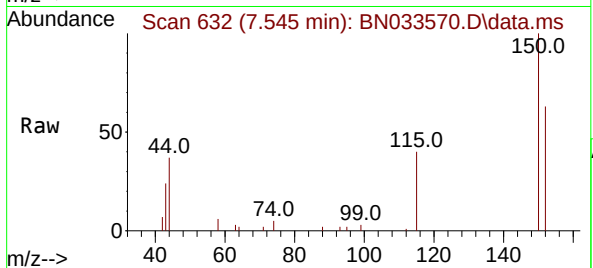
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

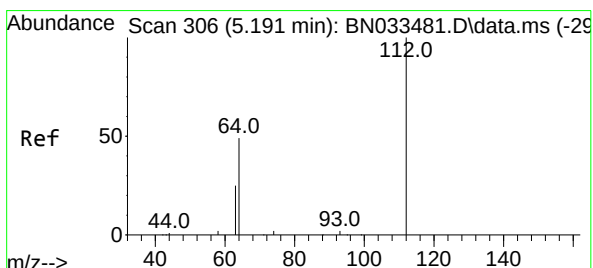
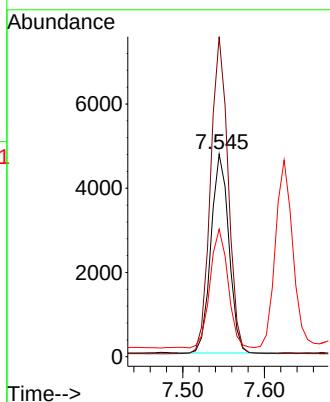
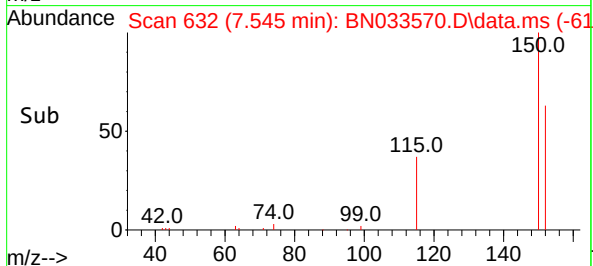
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



Tgt Ion:152 Resp: 7220
Ion Ratio Lower Upper
152 100
150 158.0 122.2 183.2
115 62.9 47.2 70.8

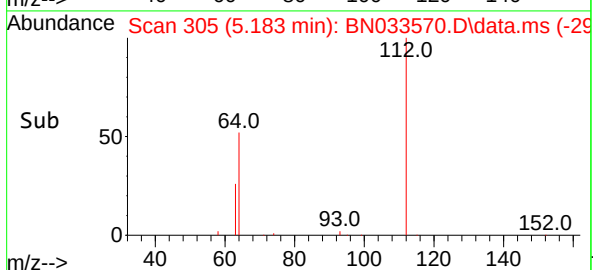
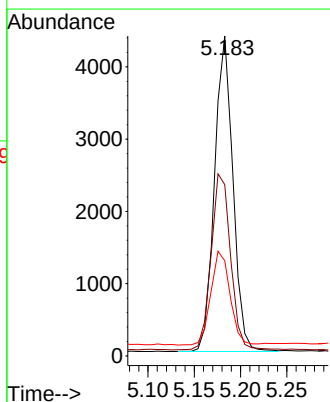
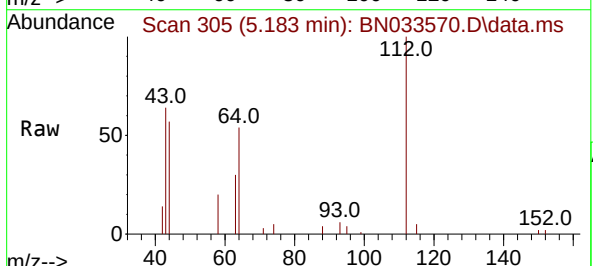
Manual Integrations
APPROVED

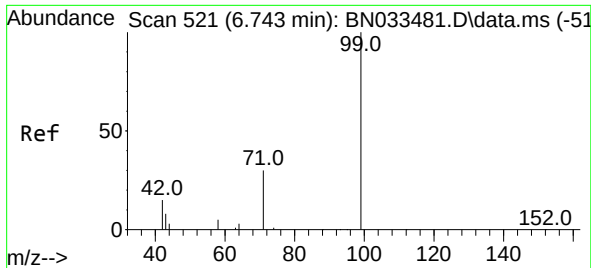
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#4
2-Fluorophenol
Concen: 0.263 ng
RT: 5.183 min Scan# 305
Delta R.T. 0.007 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

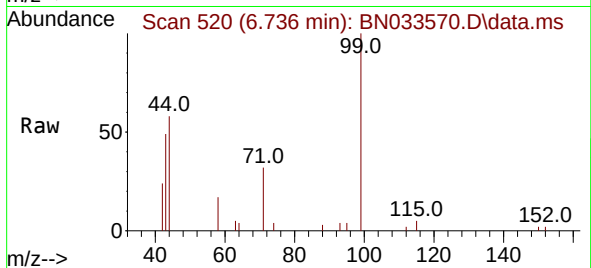
Tgt Ion:112 Resp: 6041
Ion Ratio Lower Upper
112 100
64 58.8 47.1 70.7
63 31.0 24.9 37.3





#5
Phenol-d6
Concen: 0.272 ng
RT: 6.736 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

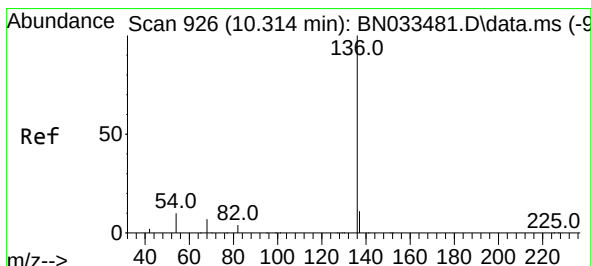
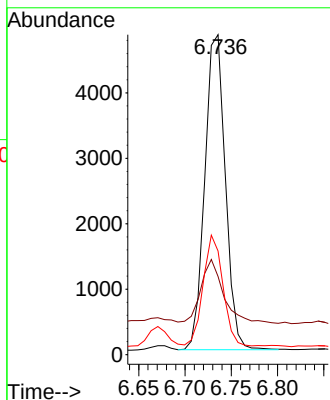
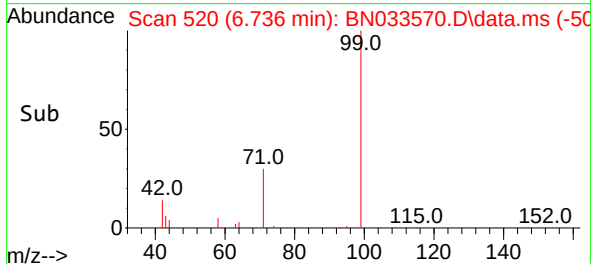
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



Tgt Ion: 99 Resp: 7430
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 33.7 26.2 39.4

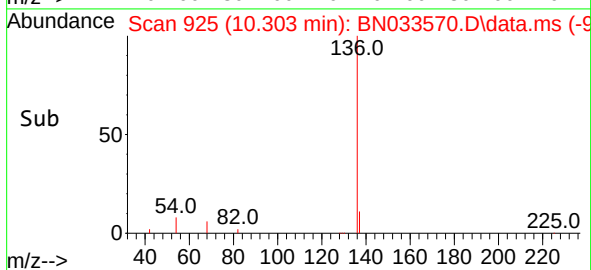
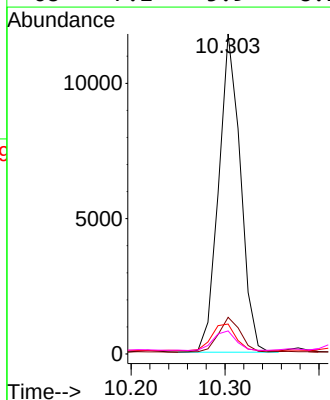
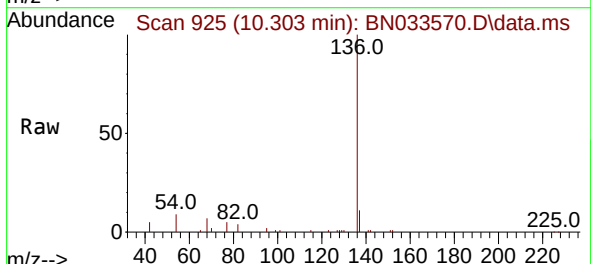
Manual Integrations
APPROVED

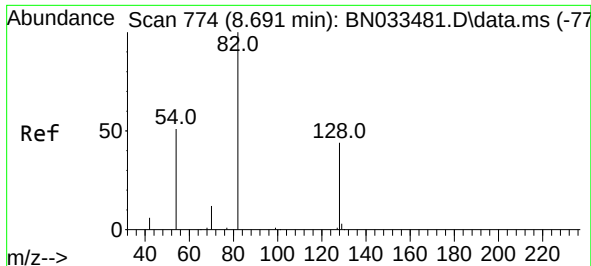
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.303 min Scan# 925
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

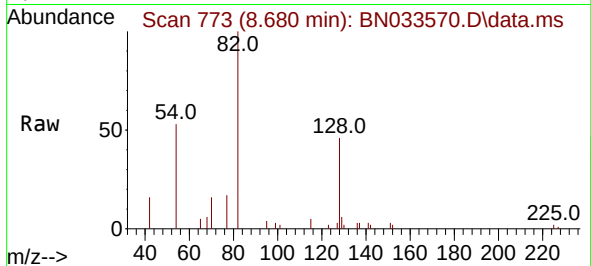
Tgt Ion:136 Resp: 18938
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.3 8.3 12.5
68 7.2 5.9 8.9





#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 8.680 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

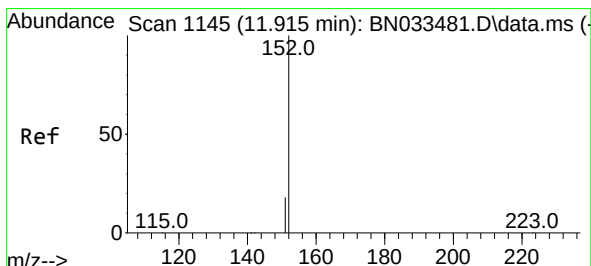
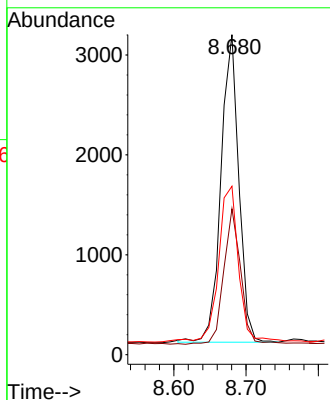
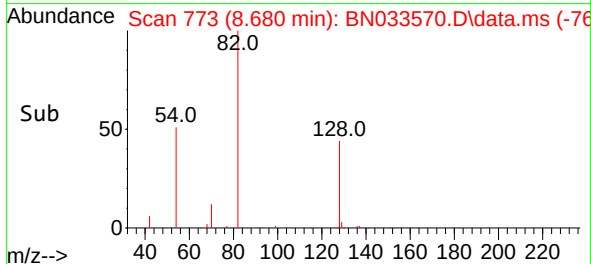
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



Tgt Ion: 82 Resp: 5274
Ion Ratio Lower Upper
82 100
128 45.6 36.0 54.0
54 52.7 42.0 63.0

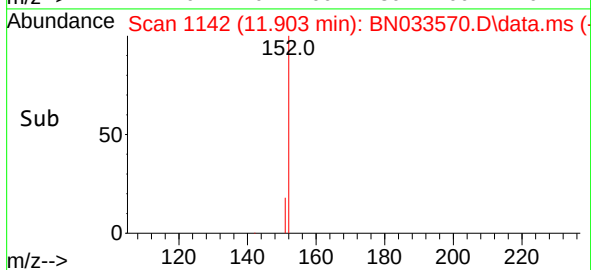
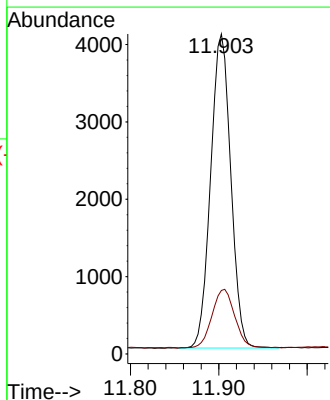
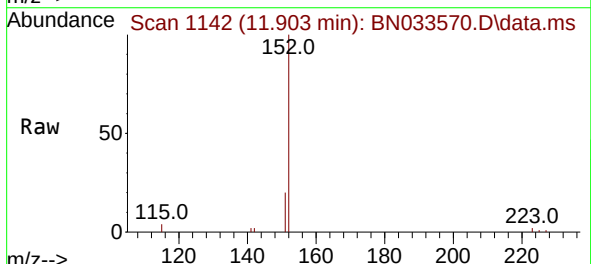
Manual Integrations
APPROVED

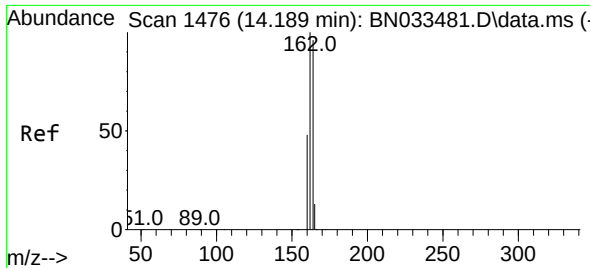
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#11
2-Methylnaphthalene-d10
Concen: 0.237 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

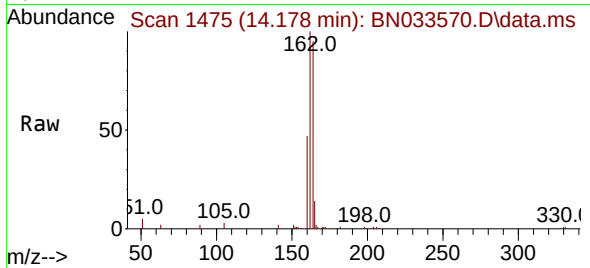
Tgt Ion:152 Resp: 6427
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

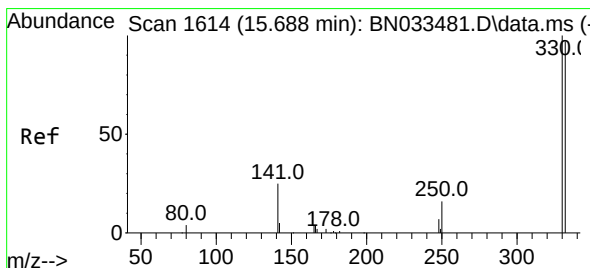
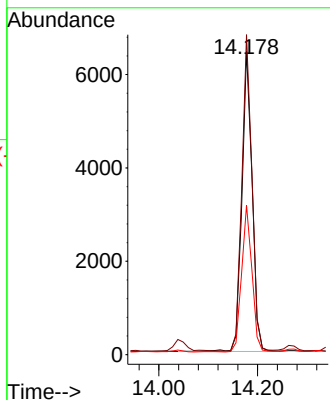
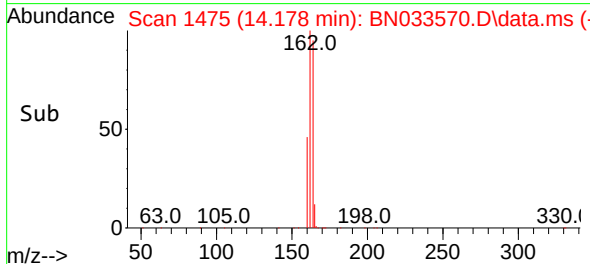
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



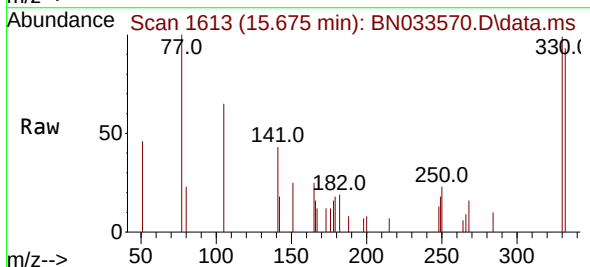
Tgt Ion:164 Resp: 919
Ion Ratio Lower Upper
164 100
162 105.4 83.5 125.3
160 49.2 40.2 60.4

Manual Integrations
APPROVED

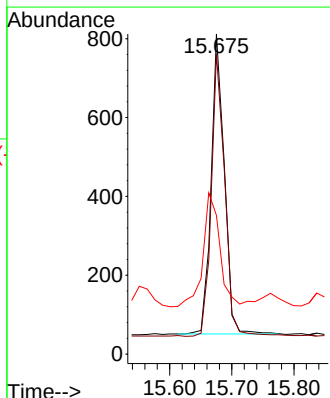
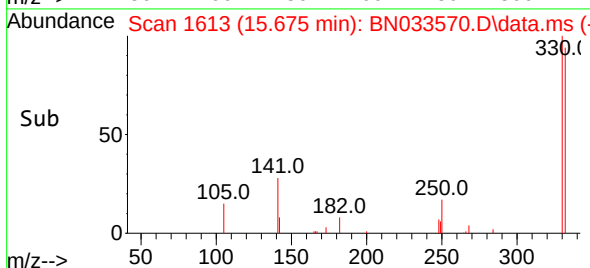
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

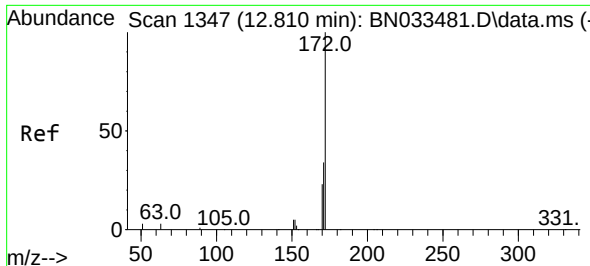


#14
2,4,6-Tribromophenol
Concen: 0.226 ng
RT: 15.675 min Scan# 1613
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17



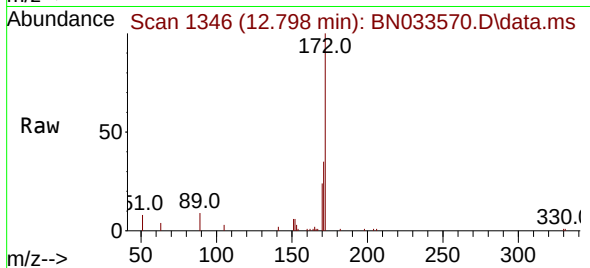
Tgt Ion:330 Resp: 1120
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 48.4 33.9 50.9





#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

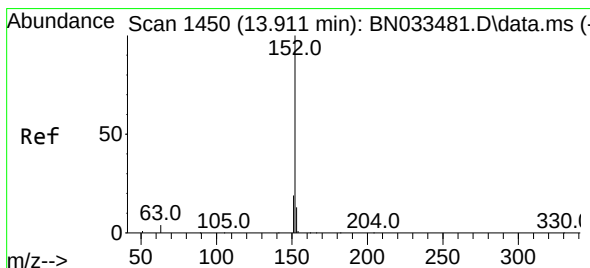
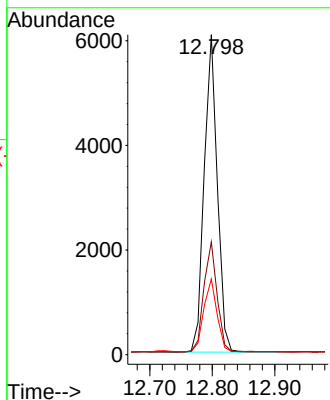
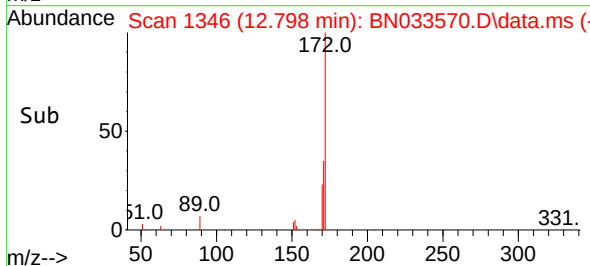
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



Tgt Ion:172 Resp: 882
Ion Ratio Lower Upper
172 100
171 35.3 27.7 41.5
170 23.6 18.3 27.5

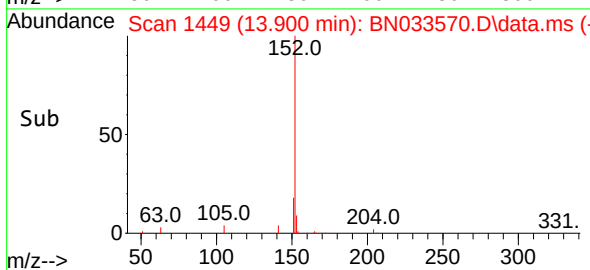
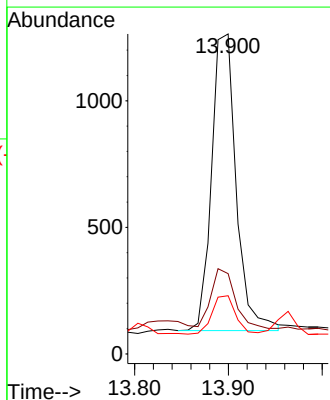
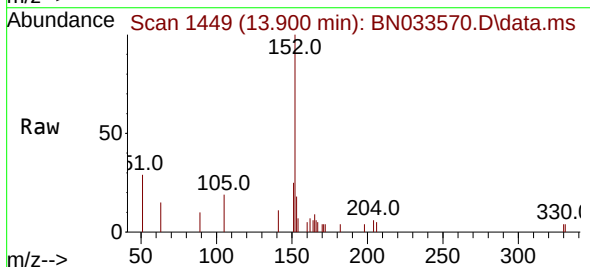
Manual Integrations
APPROVED

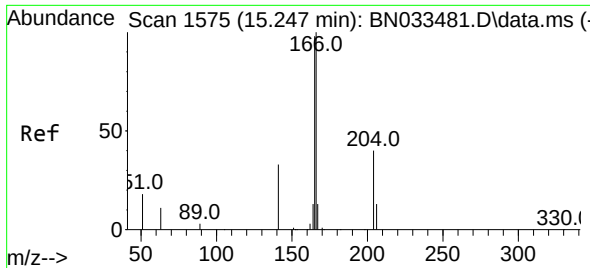
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#16
Acenaphthylene
Concen: 0.053 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

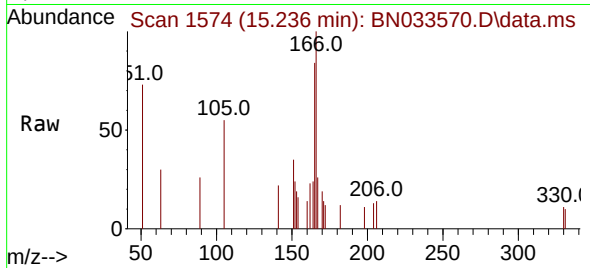
Tgt Ion:152 Resp: 2139
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 12.4 10.3 15.5





#18
 Fluorene
 Concen: 0.024 ng m
 RT: 15.236 min Scan# 1574
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

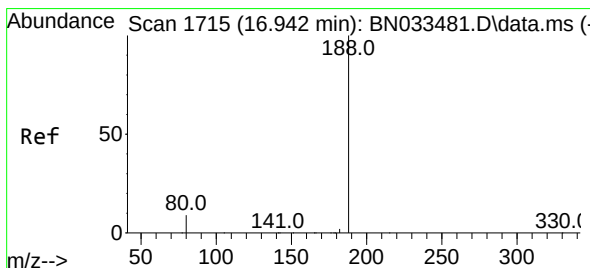
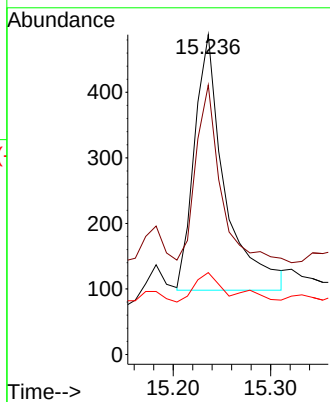
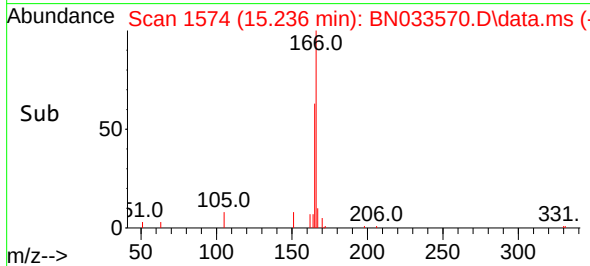
Instrument : BNA_N
 ClientSampleId : S-928-K1-SO-0.5-1-081924



Tgt Ion:166 Resp: 849
 Ion Ratio Lower Upper
 166 100
 165 51.7 78.2 117.4
 167 10.5 10.6 16.0

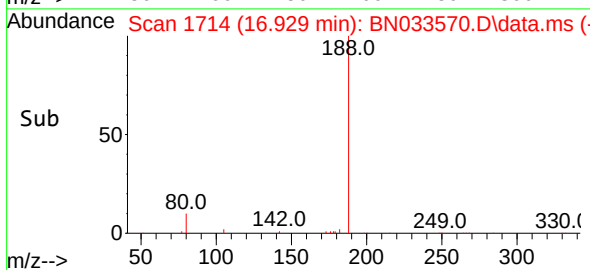
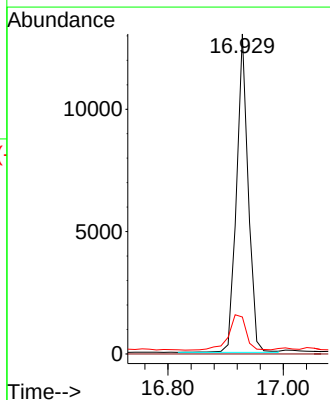
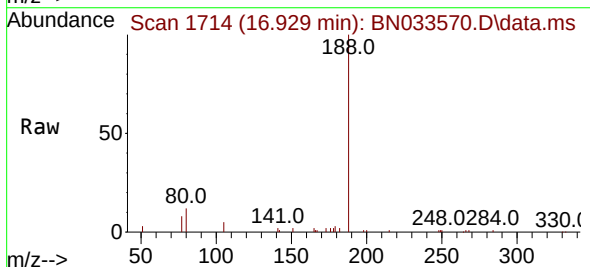
Manual Integrations
 APPROVED

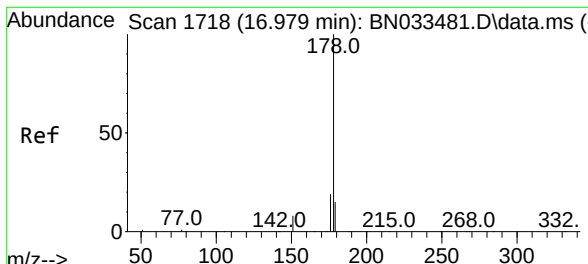
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.929 min Scan# 1714
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

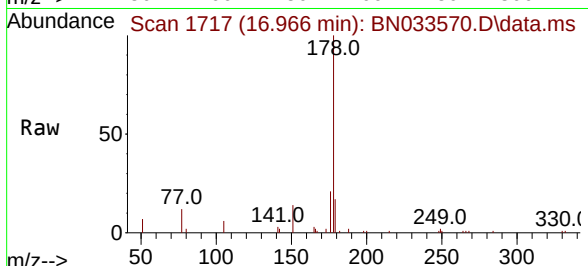
Tgt Ion:188 Resp: 18224
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.6 7.8 11.8





#25
 Phenanthrene
 Concen: 0.214 ng m
 RT: 16.966 min Scan# 1717
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

Instrument : BNA_N
 ClientSampleId : S-928-K1-SO-0.5-1-081924

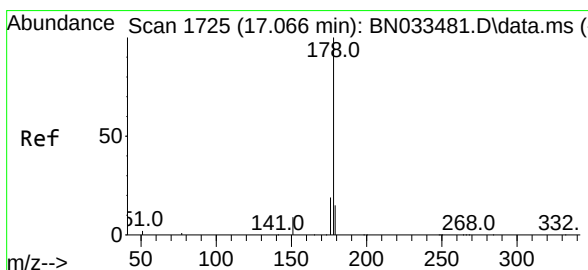
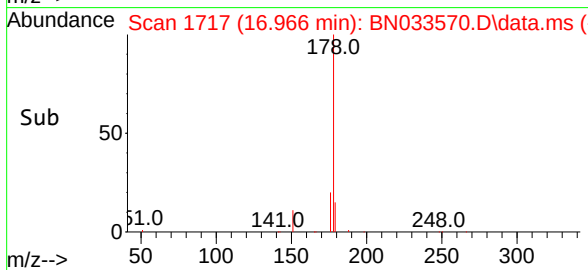
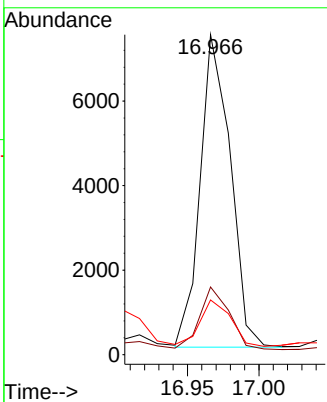


Tgt Ion:178 Resp: 1084

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.1	12.3	18.5

Manual Integrations
 APPROVED

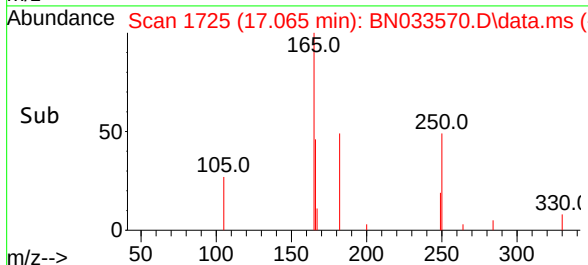
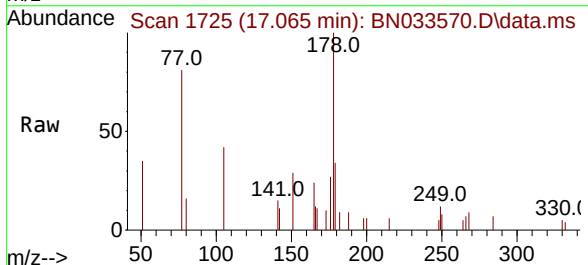
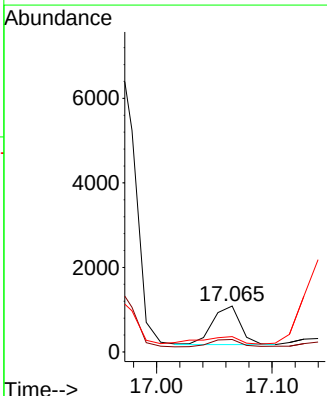
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024

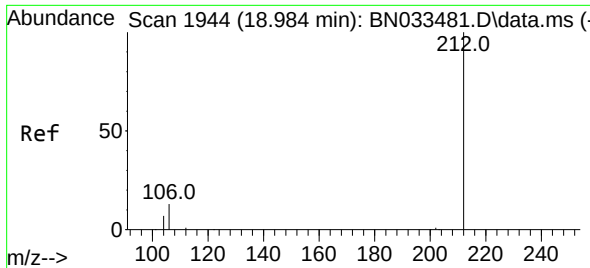


#26
 Anthracene
 Concen: 0.034 ng
 RT: 17.065 min Scan# 1725
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

Tgt Ion:178 Resp: 1521

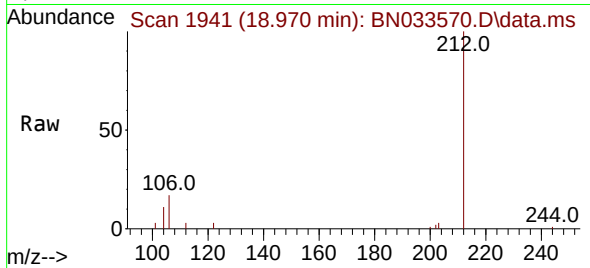
Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.0	22.6
179	27.8	12.4	18.6





#27
Fluoranthene-d10
Concen: 0.187 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

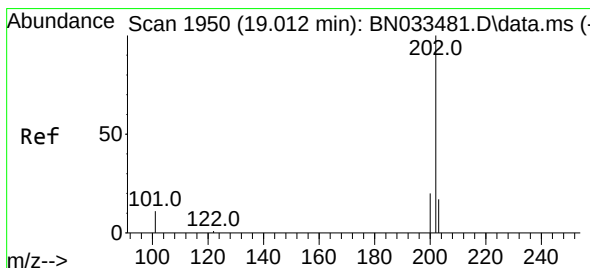
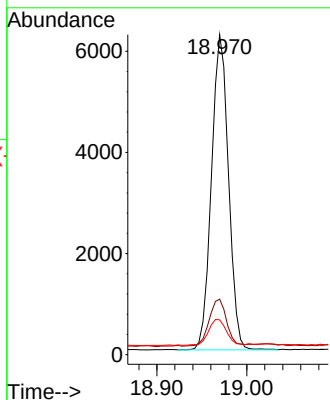
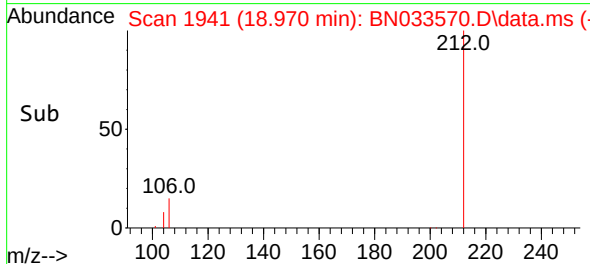
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



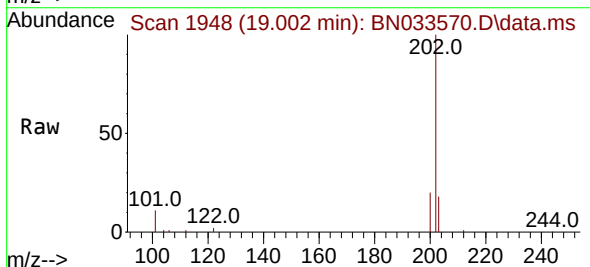
Tgt Ion:212 Resp: 820
Ion Ratio Lower Upper
212 100
106 15.0 12.3 18.5
104 8.6 7.0 10.4

Manual Integrations
APPROVED

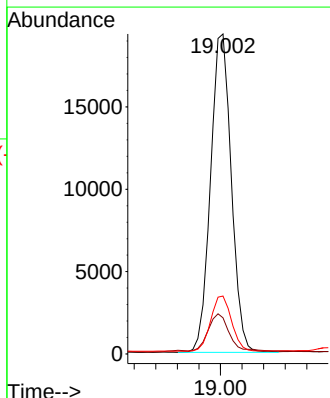
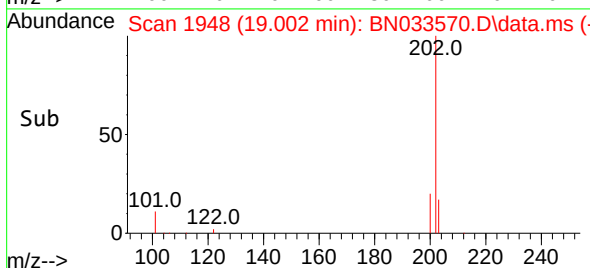
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

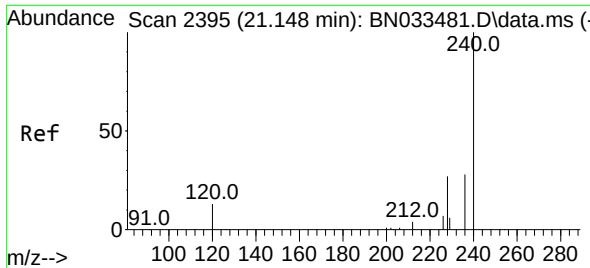


#28
Fluoranthene
Concen: 0.461 ng
RT: 19.002 min Scan# 1948
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17



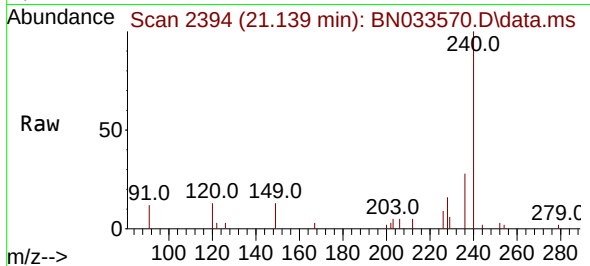
Tgt Ion:202 Resp: 25821
Ion Ratio Lower Upper
202 100
101 12.6 9.5 14.3
203 17.5 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 211
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

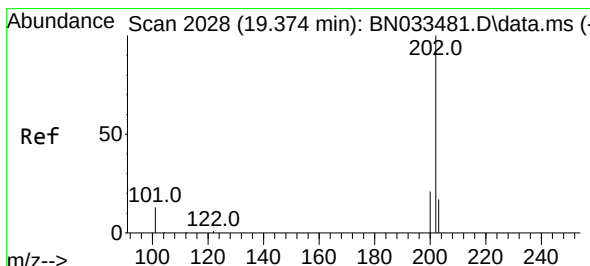
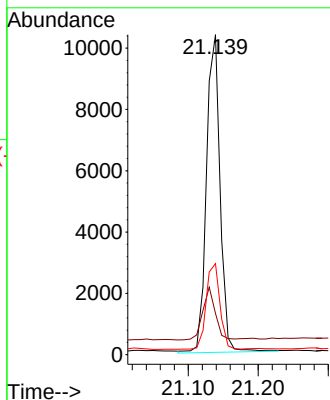
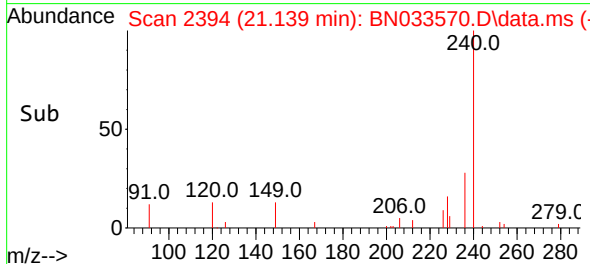
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



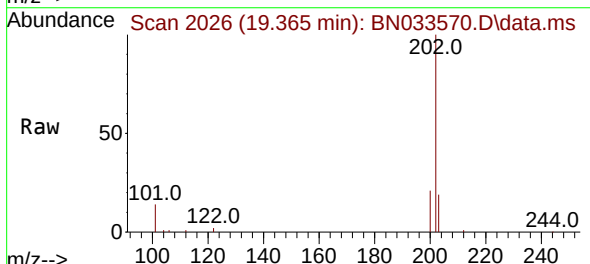
Tgt Ion:240 Resp: 14080
Ion Ratio Lower Upper
240 100
120 12.9 12.4 18.6
236 28.4 23.0 34.6

Manual Integrations
APPROVED

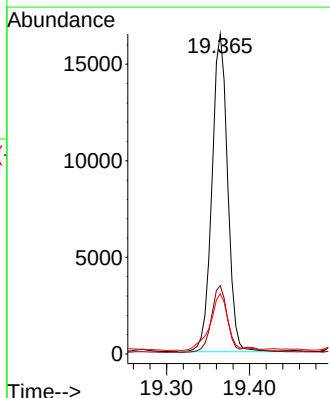
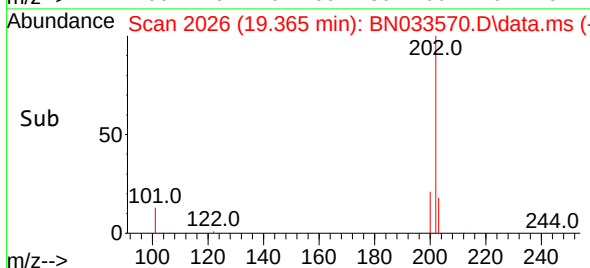
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024

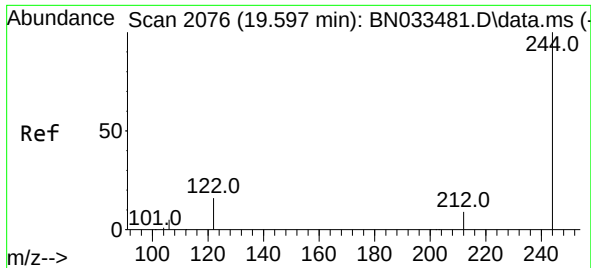


#30
Pyrene
Concen: 0.343 ng
RT: 19.365 min Scan# 2026
Delta R.T. -0.001 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17



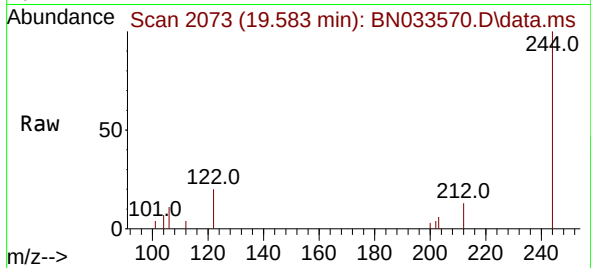
Tgt Ion:202 Resp: 21592
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 20.9 14.2 21.4





#31
 Terphenyl-d14
 Concen: 0.171 ng
 RT: 19.583 min Scan# 2073
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

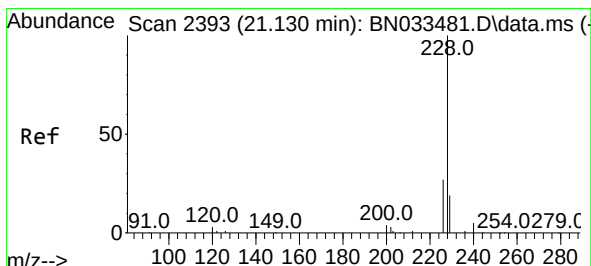
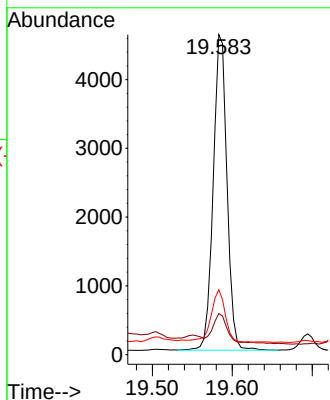
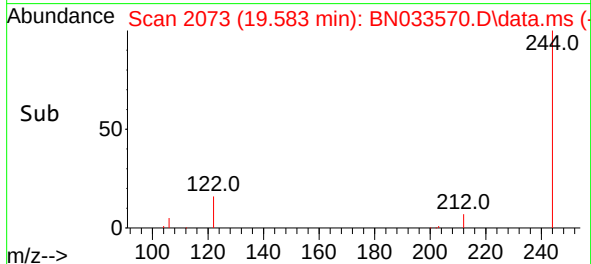
Instrument :
 BNA_N
 ClientSampleId :
 S-928-K1-SO-0.5-1-081924



Tgt Ion:244 Resp: 5479
 Ion Ratio Lower Upper
 244 100
 212 12.8 7.8 11.6
 122 20.3 13.3 19.9

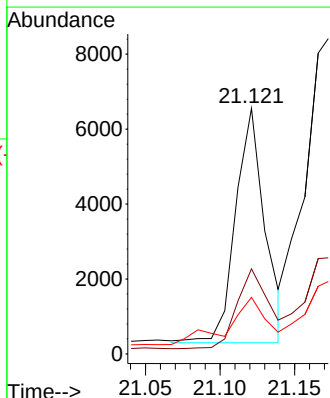
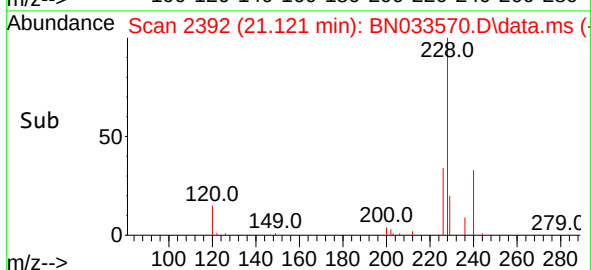
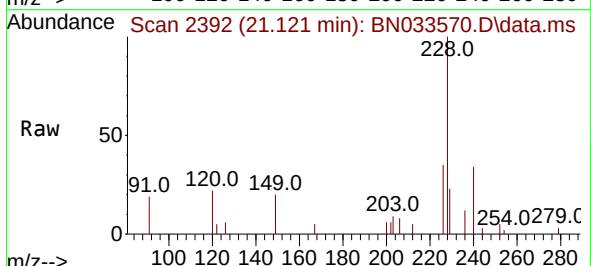
Manual Integrations
 APPROVED

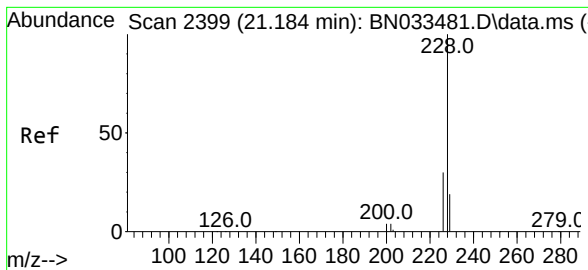
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#32
 Benzo(a)anthracene
 Concen: 0.168 ng m
 RT: 21.121 min Scan# 2392
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

Tgt Ion:228 Resp: 8571
 Ion Ratio Lower Upper
 228 100
 226 34.7 21.8 32.6
 229 23.1 15.8 23.6





#33

Chrysene

Concen: 0.272 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.001 min

Lab File: BN033570.D

Acq: 23 Aug 2024 02:17

Instrument :

BNA_N

ClientSampleId :

S-928-K1-SO-0.5-1-081924

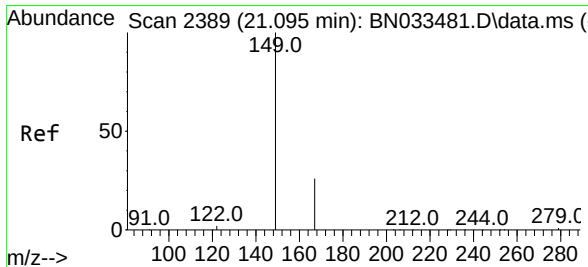
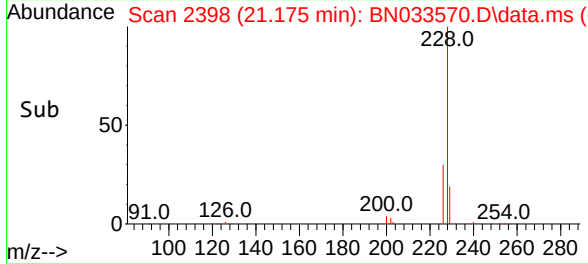
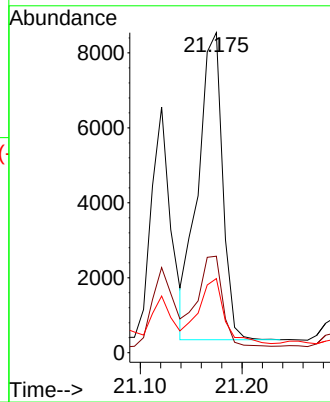
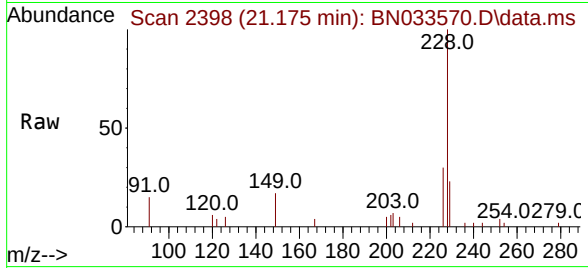
Tgt Ion:	228	Resp:	13750
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.8
229	23.2	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.078 ng m

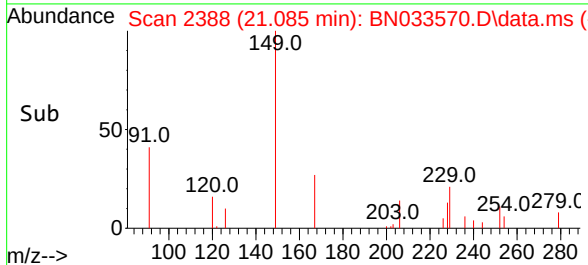
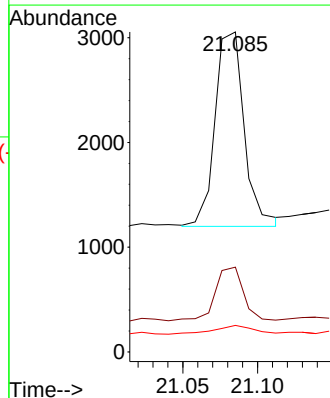
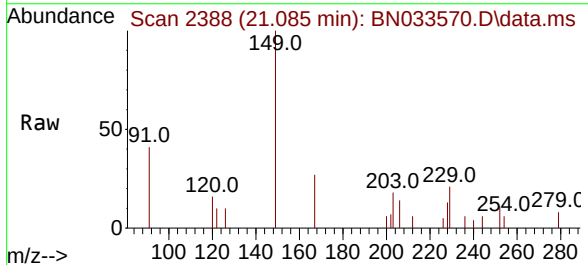
RT: 21.085 min Scan# 2388

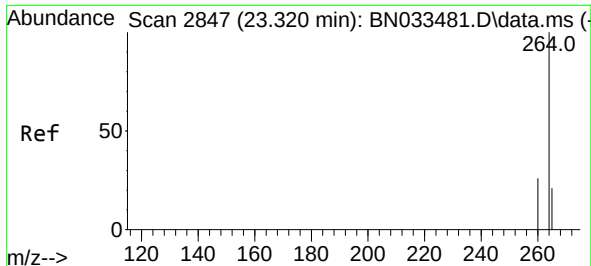
Delta R.T. -0.001 min

Lab File: BN033570.D

Acq: 23 Aug 2024 02:17

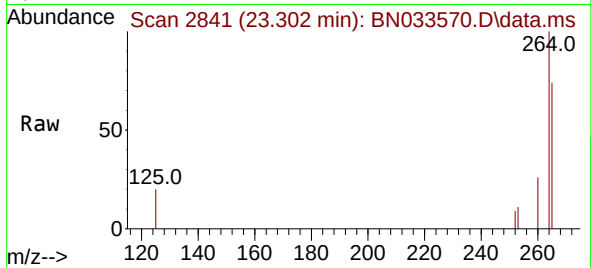
Tgt Ion:	149	Resp:	2516
Ion Ratio	Lower	Upper	
149	100		
167	37.5	21.5	32.3#
279	10.5	2.2	3.2#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.302 min Scan# 2841
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

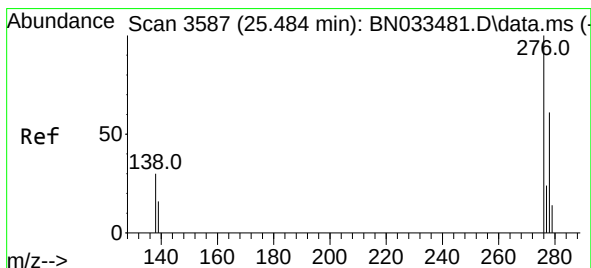
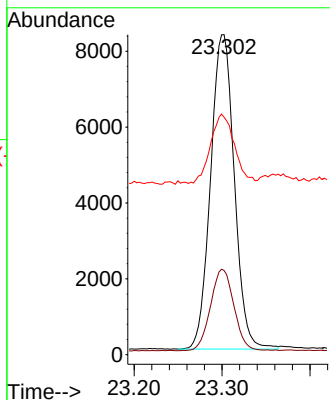
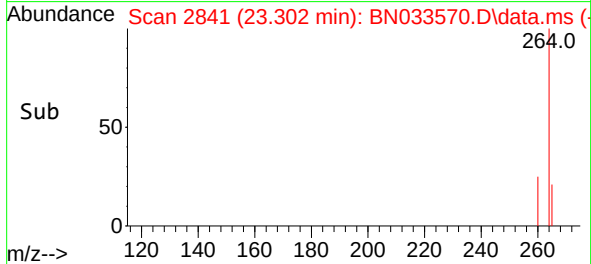
Instrument :
 BNA_N
 ClientSampleId :
 S-928-K1-SO-0.5-1-081924



Tgt Ion:264 Resp: 15519
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.8 31.2
 265 74.2 52.2 78.2

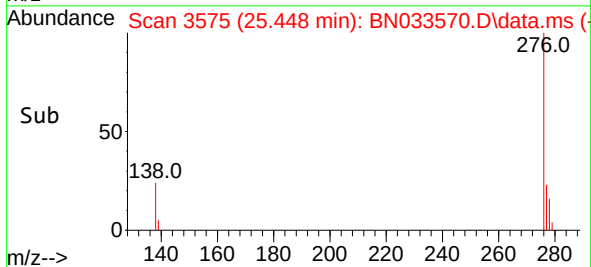
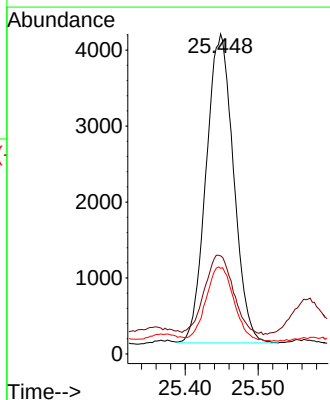
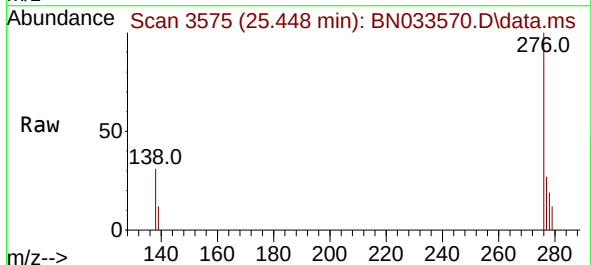
Manual Integrations
 APPROVED

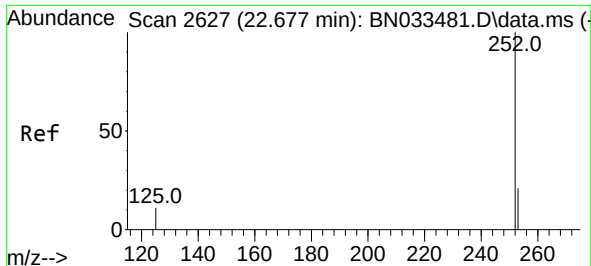
Reviewed By :Yogesh Patel 08/23/2024
 Supervised By :mohammad ahmed 08/24/2024



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.165 ng
 RT: 25.448 min Scan# 3575
 Delta R.T. -0.001 min
 Lab File: BN033570.D
 Acq: 23 Aug 2024 02:17

Tgt Ion:276 Resp: 10627
 Ion Ratio Lower Upper
 276 100
 138 26.9 24.4 36.6
 277 24.3 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.359 ng

RT: 22.659 min Scan# 2621

Delta R.T. -0.001 min

Lab File: BN033570.D

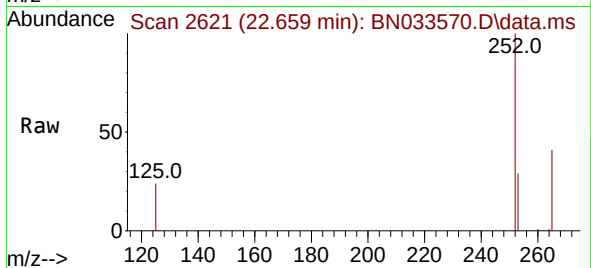
Acq: 23 Aug 2024 02:17

Instrument :

BN033570.D

ClientSampleId :

S-928-K1-SO-0.5-1-081924



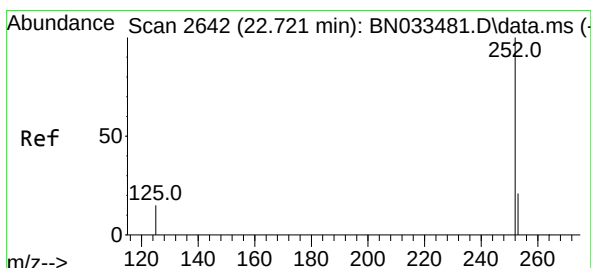
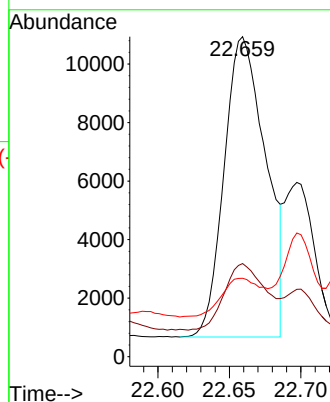
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	19.8	29.8
125	24.5	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/23/2024

Supervised By :mohammad ahmed 08/24/2024



#38

Benzo(k)fluoranthene

Concen: 0.137 ng m

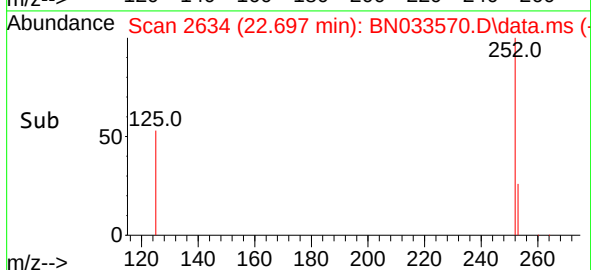
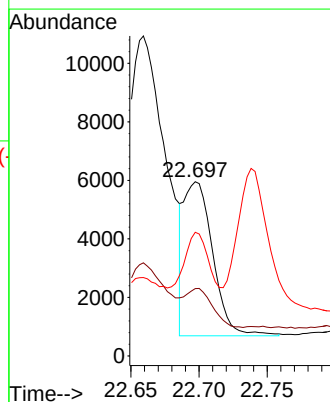
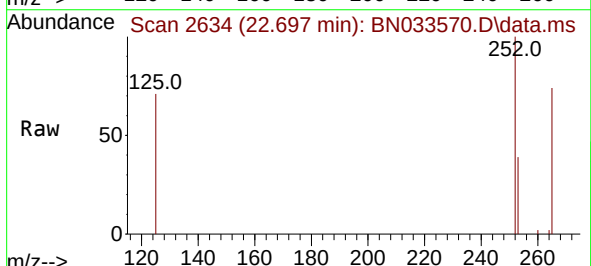
RT: 22.697 min Scan# 2634

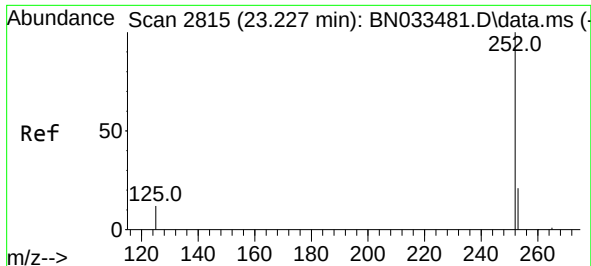
Delta R.T. -0.006 min

Lab File: BN033570.D

Acq: 23 Aug 2024 02:17

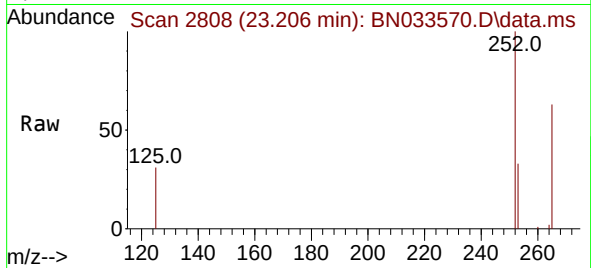
Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.7	19.8	29.8#
125	71.0	15.8	23.8#





#39
Benzo(a)pyrene
Concen: 0.240 ng
RT: 23.206 min Scan# 2152
Delta R.T. -0.003 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

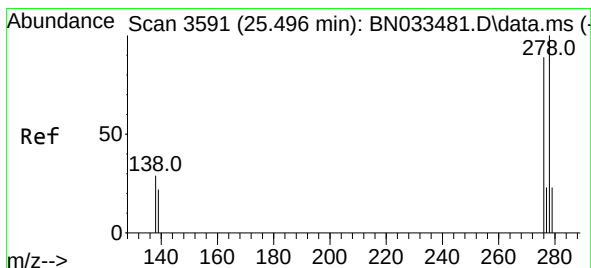
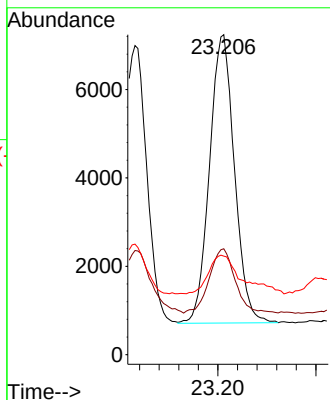
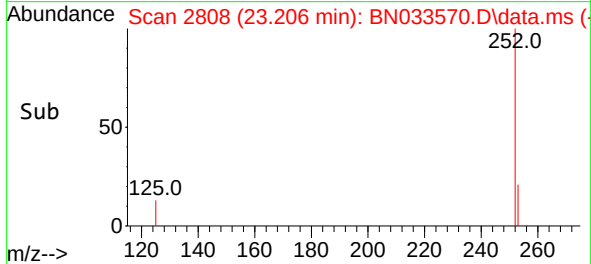
Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



Tgt Ion:252 Resp: 1152
Ion Ratio Lower Upper
252 100
253 33.1 21.5 32.3#
125 30.8 17.0 25.4#

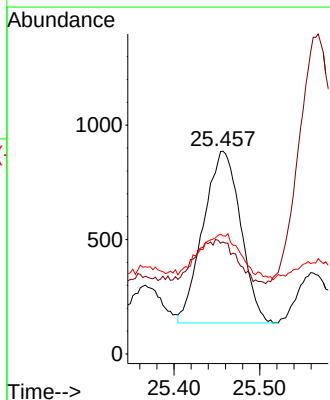
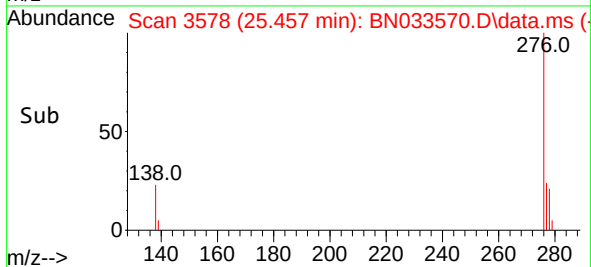
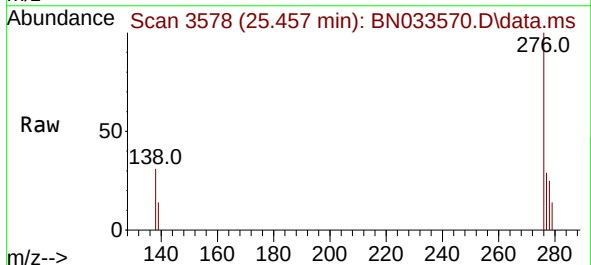
Manual Integrations
APPROVED

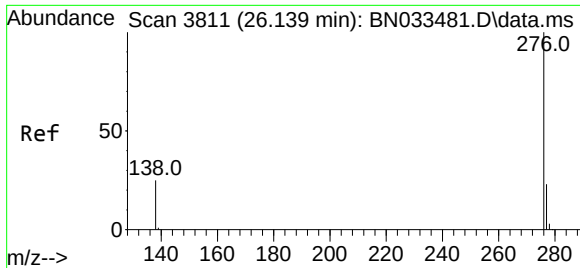
Reviewed By :Yogesh Patel 08/23/2024
Supervised By :mohammad ahmed 08/24/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.044 ng
RT: 25.457 min Scan# 3578
Delta R.T. -0.012 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

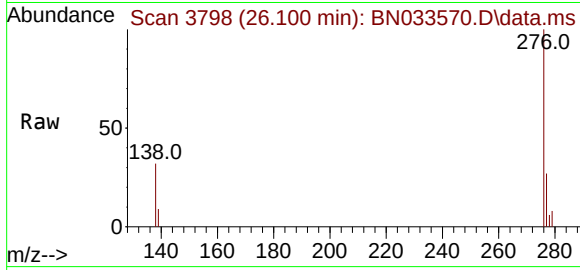
Tgt Ion:278 Resp: 2278
Ion Ratio Lower Upper
278 100
139 55.3 19.1 28.7#
279 58.2 21.0 31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.203 ng
RT: 26.100 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN033570.D
Acq: 23 Aug 2024 02:17

Instrument :
BNA_N
ClientSampleId :
S-928-K1-SO-0.5-1-081924



Tgt Ion:276 Resp: 1117
Ion Ratio Lower Upper
276 100
277 26.8 19.7 29.5
138 32.1 21.8 32.6

Manual Integrations
APPROVED

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

