

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
 Data File : BN027773.D
 Acq On : 20 Sep 2023 21:03
 Operator : MA/JU
 Sample : 04367-01 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 21 04:23:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 20 13:45:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	2927	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	8930	0.400	ng	0.00
13) Acenaphthene-d10	14.641	164	4840	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	13207	0.400	ng	0.00
29) Chrysene-d12	21.569	240	14623	0.400	ng	# 0.00
35) Perylene-d12	24.066	264	16602	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.546	112	104	0.014	ng	0.00
5) Phenol-d6	7.171	99	112	0.012	ng	0.00
8) Nitrobenzene-d5	9.219	82	174	0.025	ng	0.01
11) 2-Methylnaphthalene-d10	12.415	152	101	0.008	ng	0.00
14) 2,4,6-Tribromophenol	16.140	330	33	0.016	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	205	0.013	ng	0.00
27) Fluoranthene-d10	19.416	212	414	0.012	ng	0.00
31) Terphenyl-d14	20.002	244	558	0.020	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.885	128	1805	0.073	ng	# 86
12) 2-Methylnaphthalene	12.487	142	669	0.039	ng	# 81
16) Acenaphthylene	14.373	152	11650	0.563	ng	100
17) Acenaphthene	14.705	154	1673	0.114	ng	93
18) Fluorene	15.693	166	2687	0.126	ng	97
25) Phenanthrene	17.430	178	57142	1.479	ng	100
26) Anthracene	17.530	178	18660	0.564	ng	# 96
28) Fluoranthene	19.449	202	143833	3.029	ng	100
30) Pyrene	19.811	202	144019	2.741	ng	98
32) Benzo(a)anthracene	21.551	228	83867	1.653	ng	98
33) Chrysene	21.605	228	82594	1.478	ng	97
34) Bis(2-ethylhexyl)phtha...	21.426	149	1142	0.051	ng	# 82
36) Indeno(1,2,3-cd)pyrene	26.683	276	78207	1.107	ng	94
37) Benzo(b)fluoranthene	23.291	252	140634	2.142	ng	95
38) Benzo(k)fluoranthene	23.338	252	48688m	0.731	ng	
39) Benzo(a)pyrene	23.949	252	110536m	1.853	ng	
40) Dibenzo(a,h)anthracene	26.691	278	17493m	0.303	ng	
41) Benzo(g,h,i)perylene	27.504	276	87695	1.375	ng	99

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

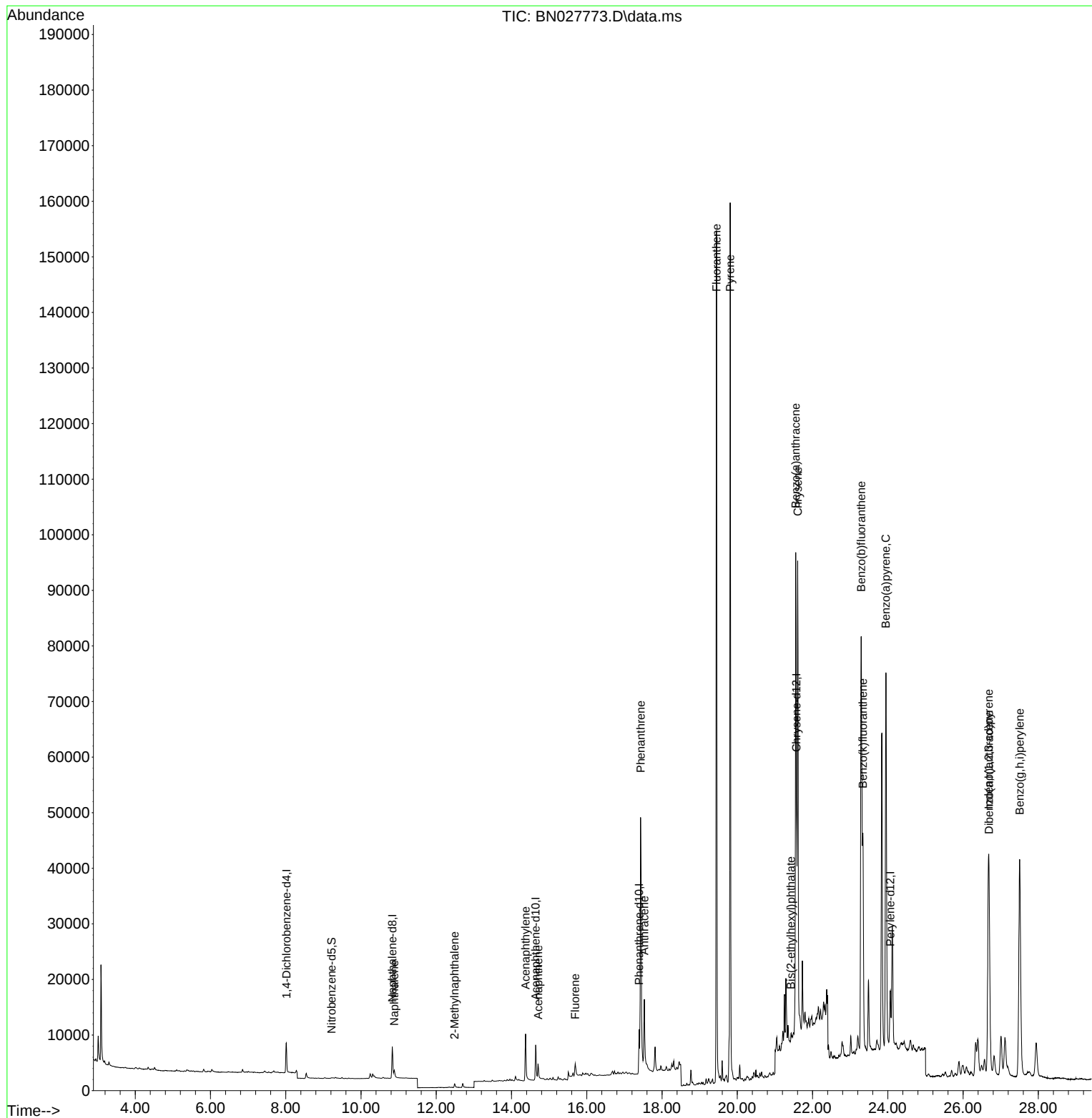
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
Data File : BN027773.D
Acq On : 20 Sep 2023 21:03
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Misc :
ALS Vial : 18 Sample Multiplier: 1

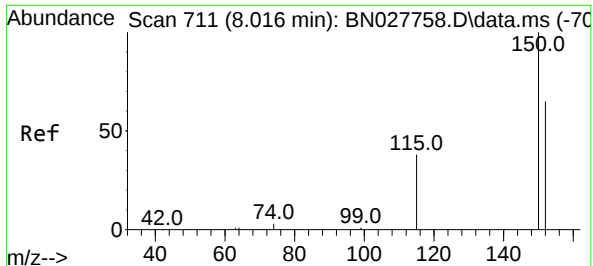
Instrument :
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Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

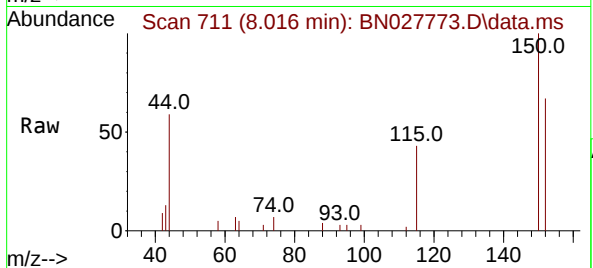
Quant Time: Sep 21 04:23:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 20 13:45:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.016 min Scan# 711
Delta R.T. -0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

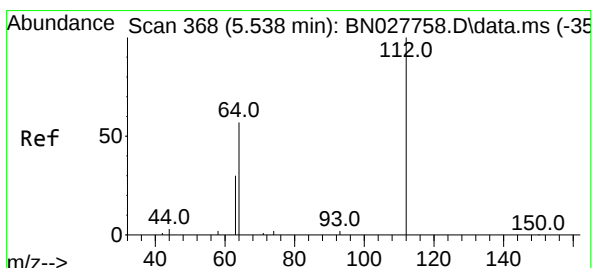
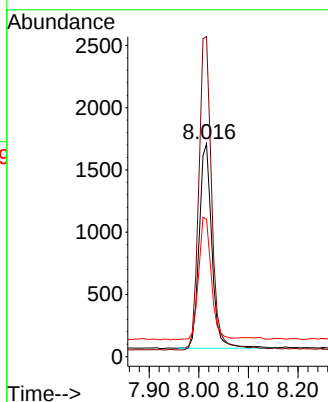
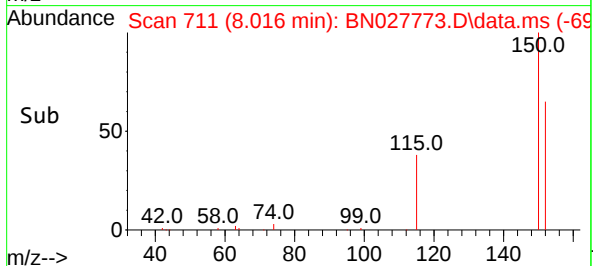
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:152 Resp: 292
Ion Ratio Lower Upper
152 100
150 150.2 120.2 180.2
115 64.5 54.5 81.7

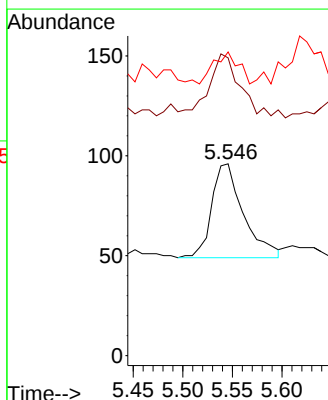
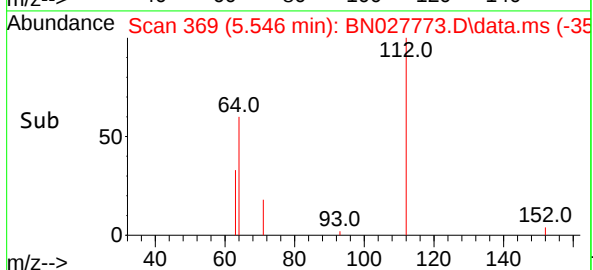
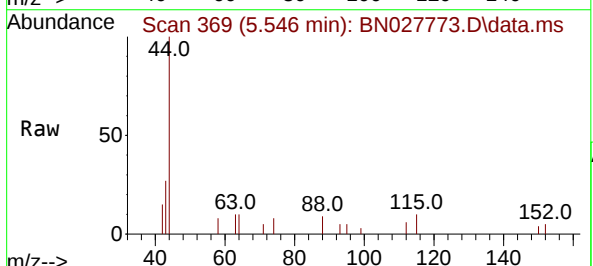
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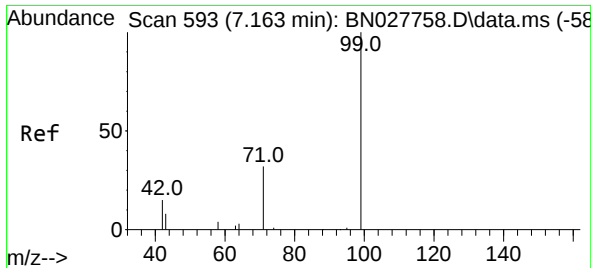
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#4
2-Fluorophenol
Concen: 0.014 ng
RT: 5.546 min Scan# 369
Delta R.T. 0.007 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion:112 Resp: 104
Ion Ratio Lower Upper
112 100
64 66.3 46.1 69.1
63 24.0 24.0 36.0





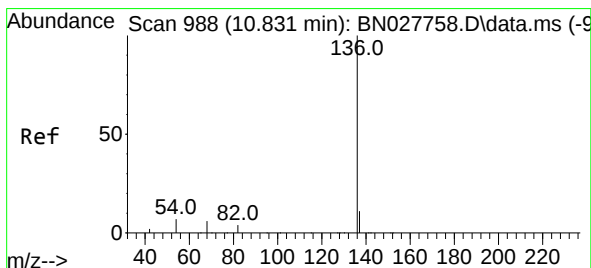
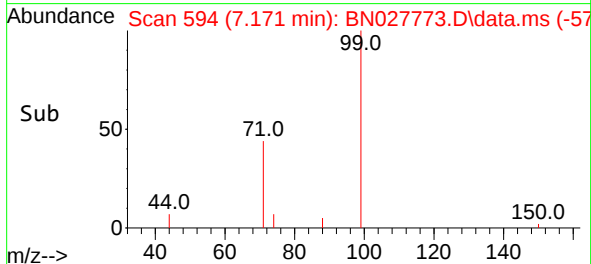
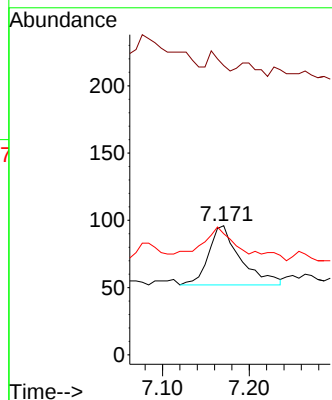
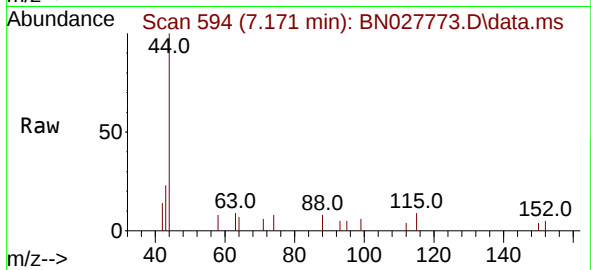
#5
Phenol-d6
Concen: 0.012 ng
RT: 7.171 min Scan# 593
Delta R.T. 0.007 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Instrument :
BNA_N
ClientSampleId :
PILE-1

Tgt Ion: 99 Resp: 111
Ion Ratio Lower Upper
99 100
42 10.7 16.6 25.0
71 68.8 28.1 42.1

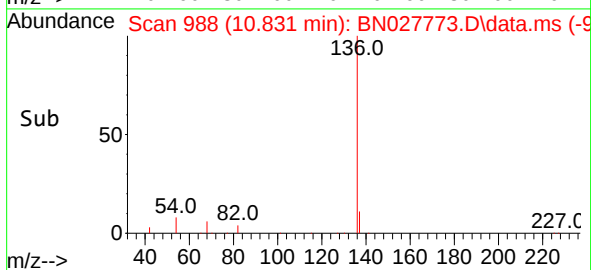
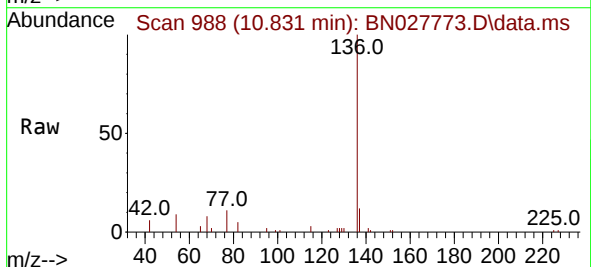
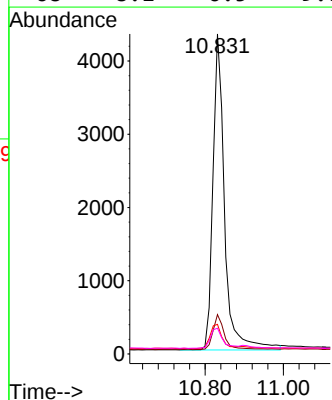
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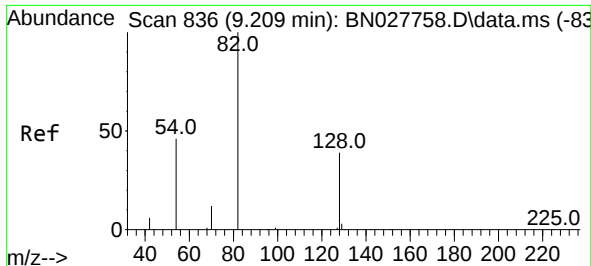
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

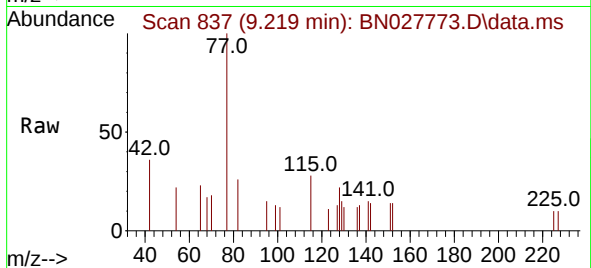
Tgt Ion:136 Resp: 8930
Ion Ratio Lower Upper
136 100
137 12.3 10.1 15.1
54 9.2 7.4 11.0
68 8.1 6.5 9.7





#8
Nitrobenzene-d5
Concen: 0.025 ng
RT: 9.219 min Scan# 836
Delta R.T. 0.011 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

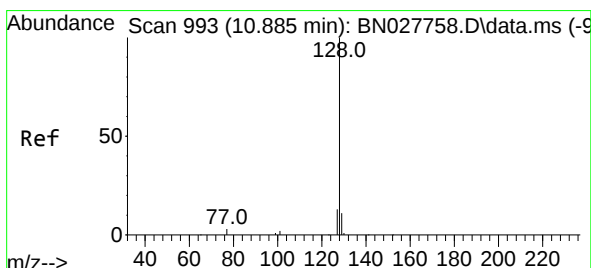
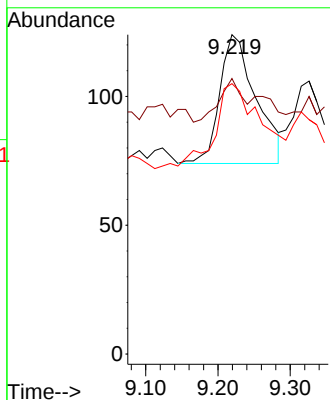
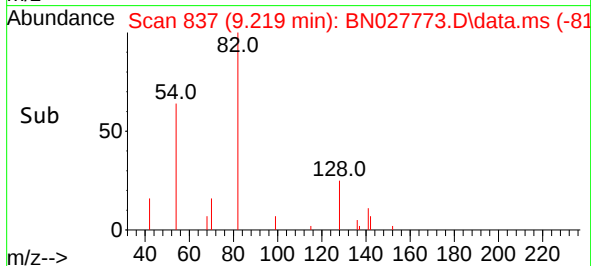
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion: 82 Resp: 174
Ion Ratio Lower Upper
82 100
128 86.3 36.8 55.2#
54 84.7 39.9 59.9#

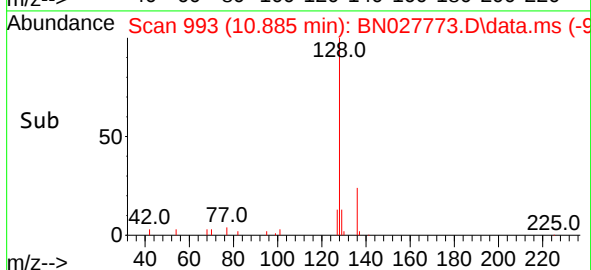
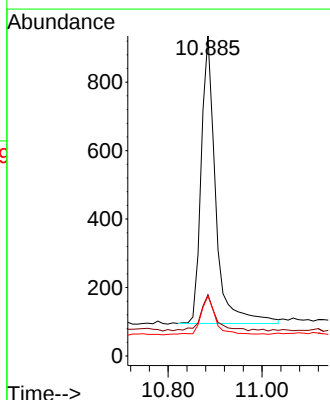
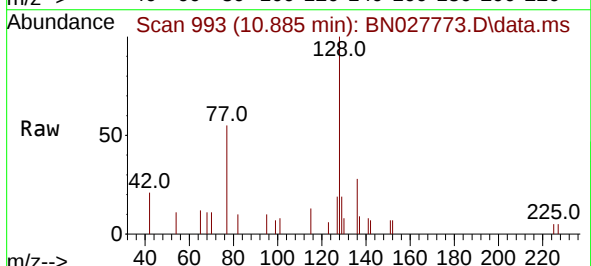
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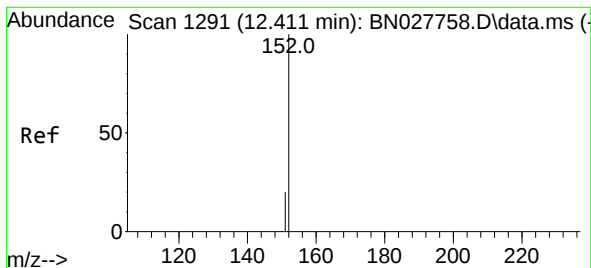
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#9
Naphthalene
Concen: 0.073 ng
RT: 10.885 min Scan# 993
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion:128 Resp: 1805
Ion Ratio Lower Upper
128 100
129 19.1 10.2 15.2#
127 18.7 11.1 16.7#





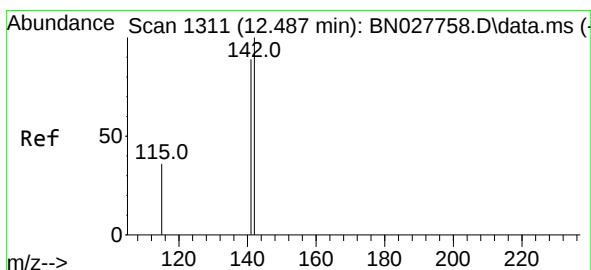
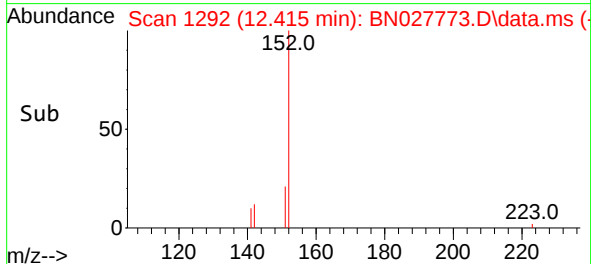
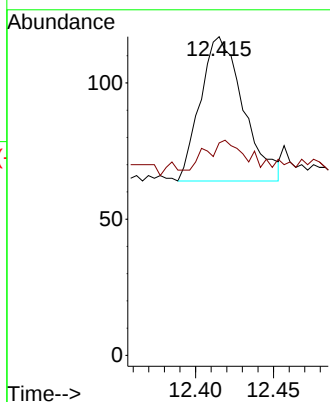
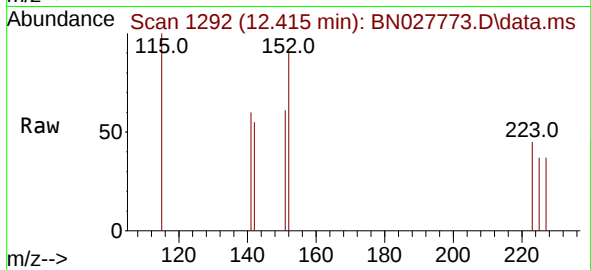
#11
2-Methylnaphthalene-d10
Concen: 0.008 ng
RT: 12.415 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Instrument :
BNA_N
ClientSampleId :
PILE-1

Tgt Ion:152 Resp: 100
Ion Ratio Lower Upper
152 100
151 21.8 15.6 23.4

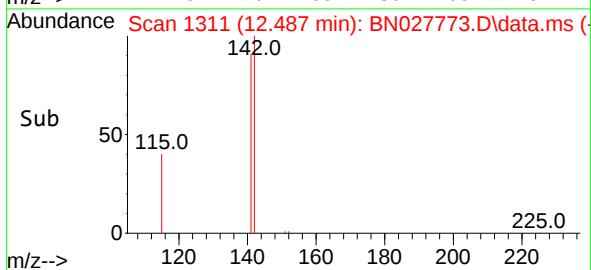
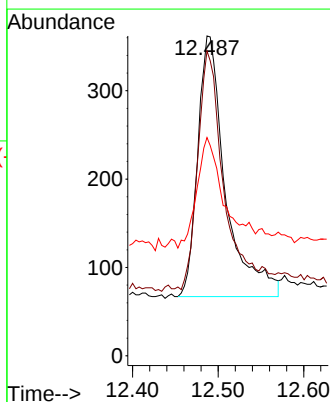
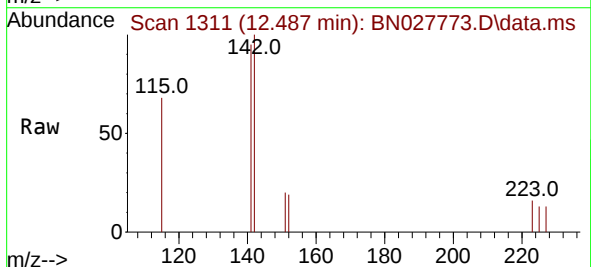
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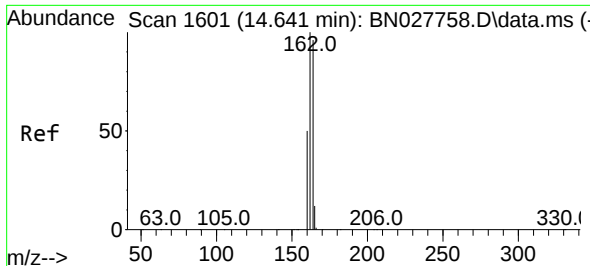
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.487 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

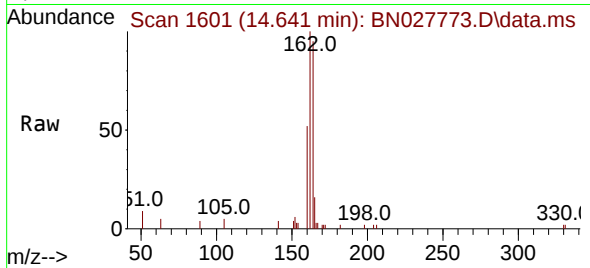
Tgt Ion:142 Resp: 669
Ion Ratio Lower Upper
142 100
141 95.3 71.5 107.3
115 68.2 31.8 47.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.641 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

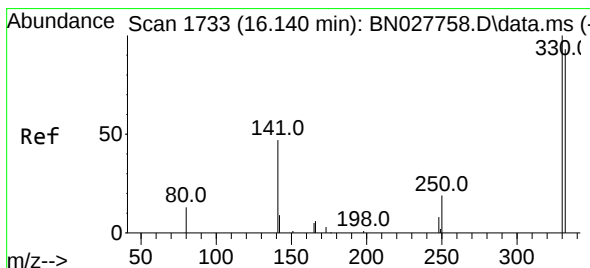
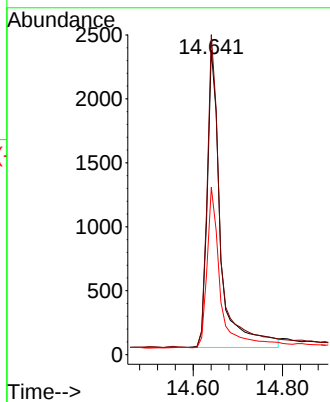
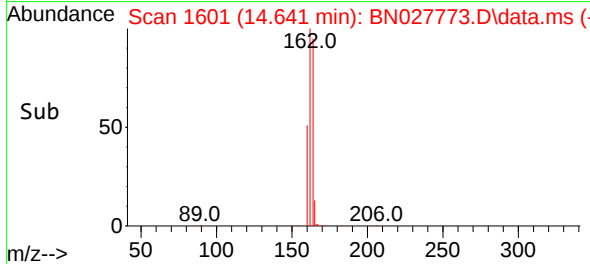
Instrument :
BNA_N
ClientSampleId :
PILE-1



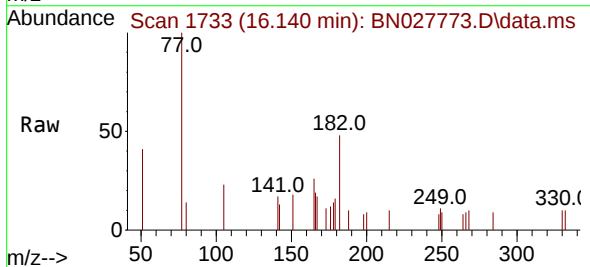
Tgt Ion:164 Resp: 4840
Ion Ratio Lower Upper
164 100
162 105.0 83.6 125.4
160 54.9 42.6 64.0

Manual Integrations
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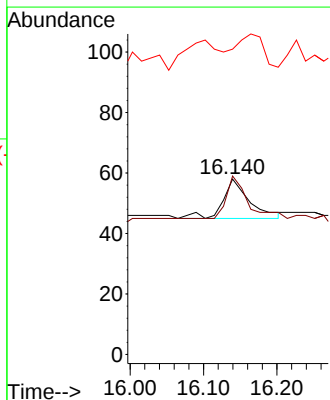
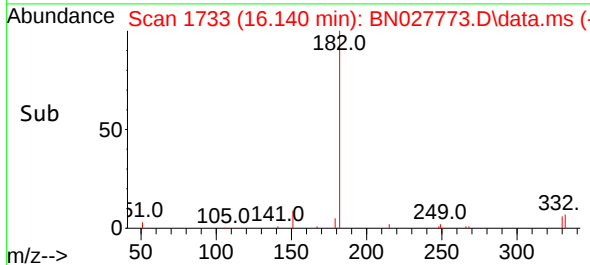
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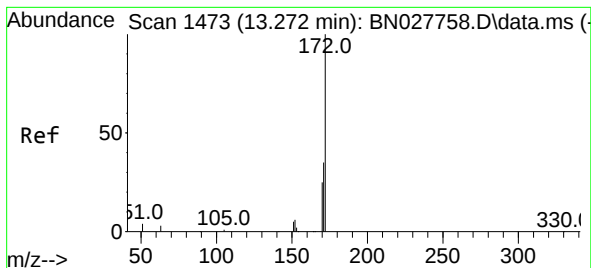


#14
2,4,6-Tribromophenol
Concen: 0.016 ng
RT: 16.140 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03



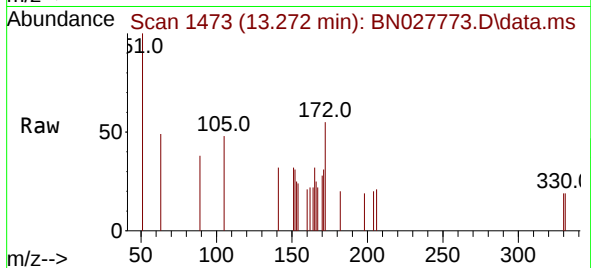
Tgt Ion:330 Resp: 33
Ion Ratio Lower Upper
330 100
332 84.8 77.0 115.4
141 0.0 38.1 57.1#





#15
2-Fluorobiphenyl
Concen: 0.013 ng
RT: 13.272 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

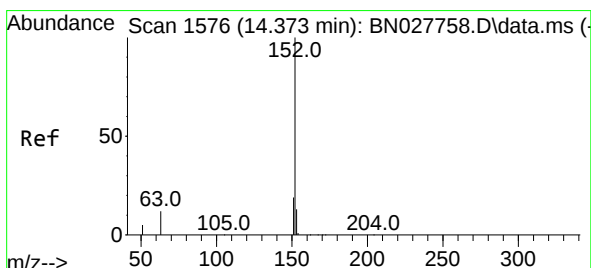
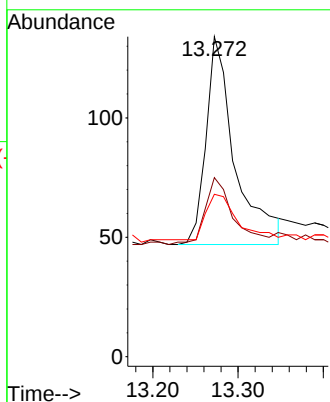
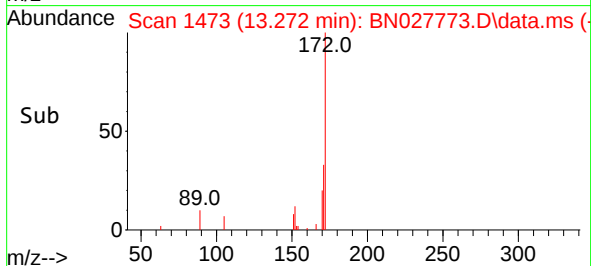
Instrument :
BNA_N
ClientSampleId :
PILE-1



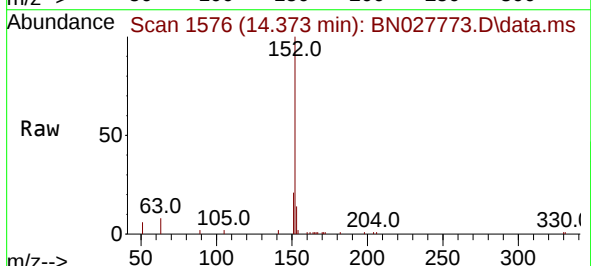
Tgt Ion:172 Resp: 209
Ion Ratio Lower Upper
172 100
171 56.0 29.3 43.9
170 50.7 20.8 31.2

Manual Integrations
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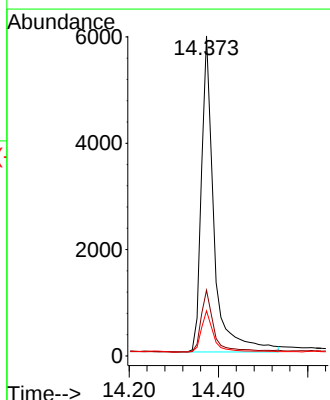
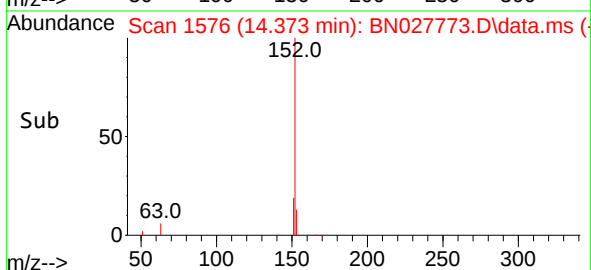
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

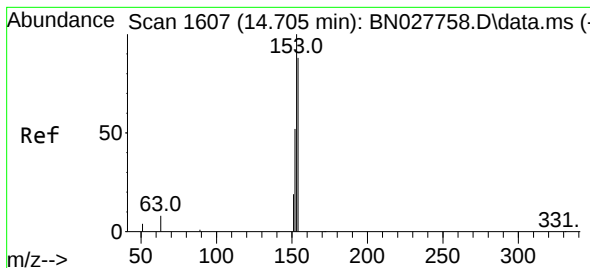


#16
Acenaphthylene
Concen: 0.563 ng
RT: 14.373 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03



Tgt Ion:152 Resp: 11650
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.114 ng

RT: 14.705 min Scan# 1607

Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

Instrument :

BNA_N

ClientSampleId :

PILE-1

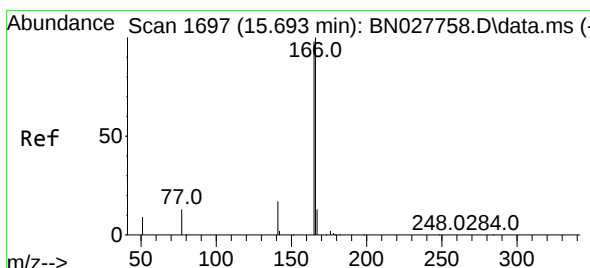
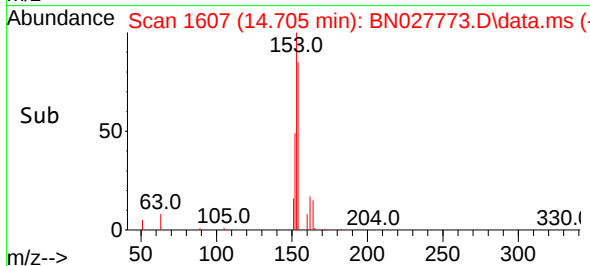
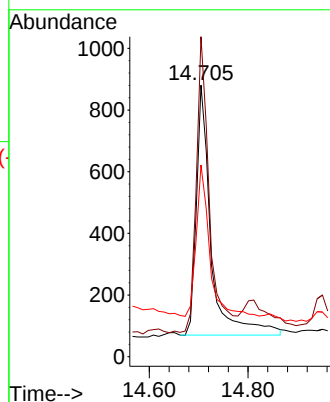
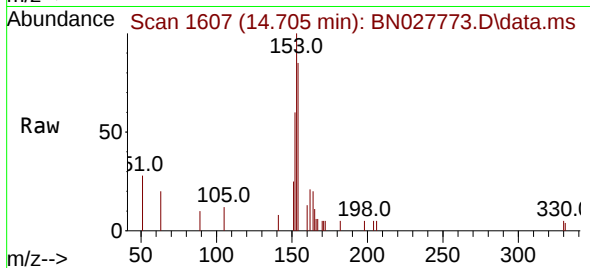
Tgt Ion:	154	Resp:	167
Ion	Ratio	Lower	Upper
154	100		
153	106.5	91.0	136.6
152	54.0	47.4	71.2

Manual Integrations

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Supervised By :mohammad ahmed 09/21/2023



#18

Fluorene

Concen: 0.126 ng

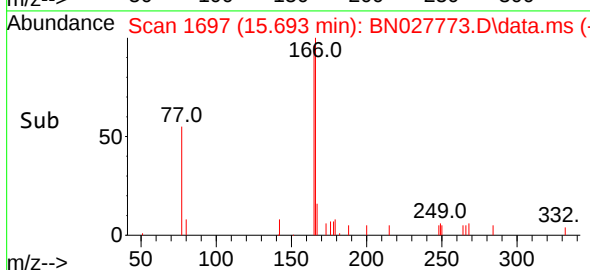
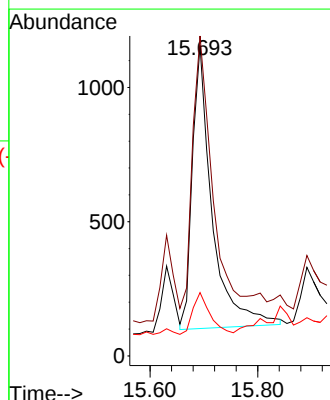
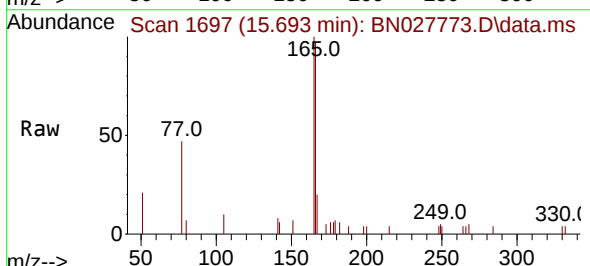
RT: 15.693 min Scan# 1697

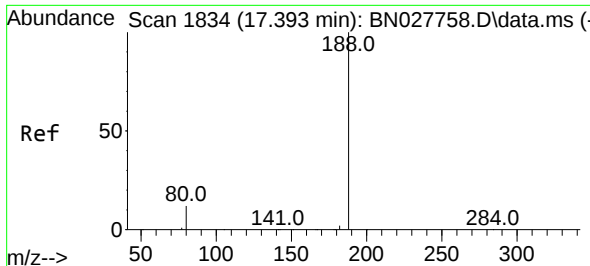
Delta R.T. 0.000 min

Lab File: BN027773.D

Acq: 20 Sep 2023 21:03

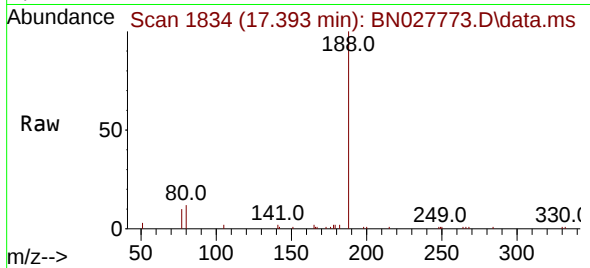
Tgt Ion:	166	Resp:	2687
Ion	Ratio	Lower	Upper
166	100		
165	95.4	79.3	118.9
167	13.1	10.6	16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

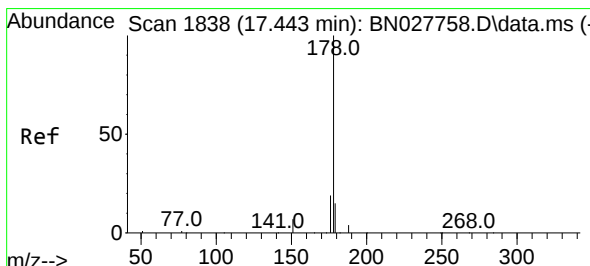
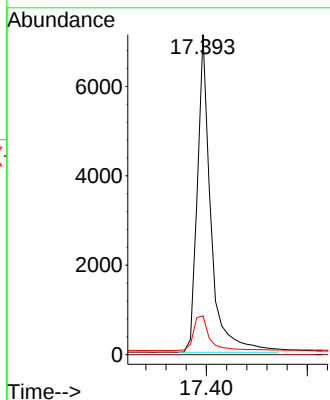
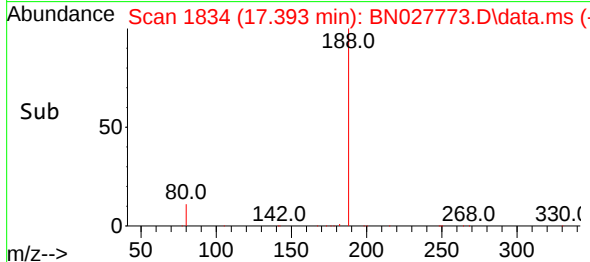
Instrument :
BNA_N
ClientSampleId :
PILE-1



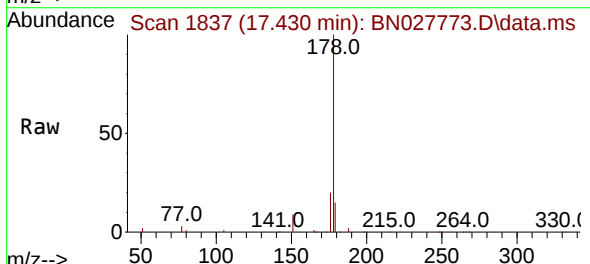
Tgt Ion:188 Resp: 1320
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.1 10.6 16.0

Manual Integrations
APPROVED

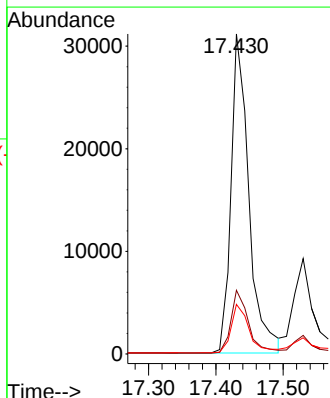
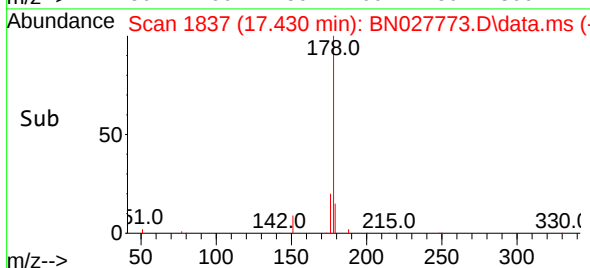
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

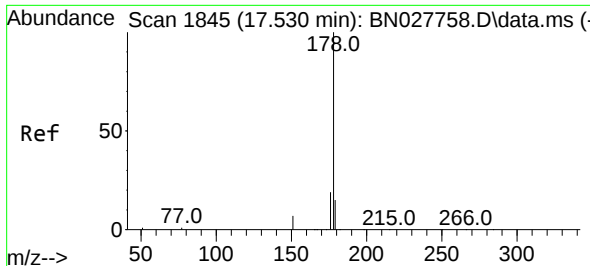


#25
Phenanthrene
Concen: 1.479 ng
RT: 17.430 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03



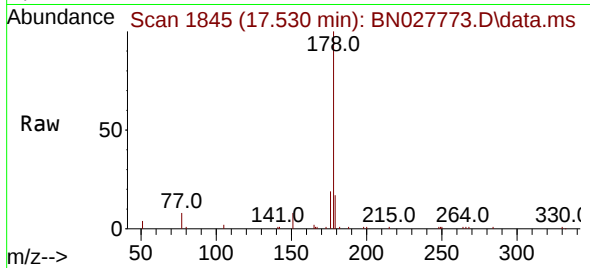
Tgt Ion:178 Resp: 57142
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.3 18.5





#26
 Anthracene
 Concen: 0.564 ng
 RT: 17.530 min Scan# 1119
 Delta R.T. 0.000 min
 Lab File: BN027773.D
 Acq: 20 Sep 2023 21:03

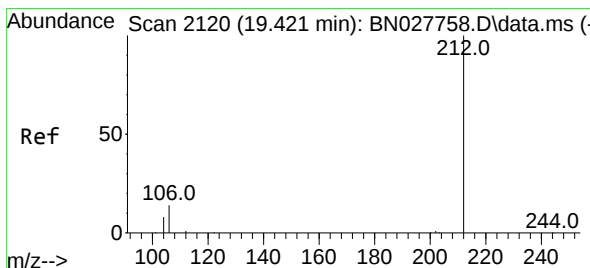
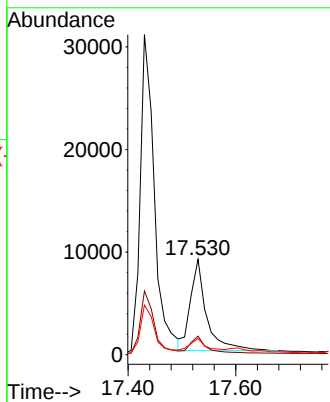
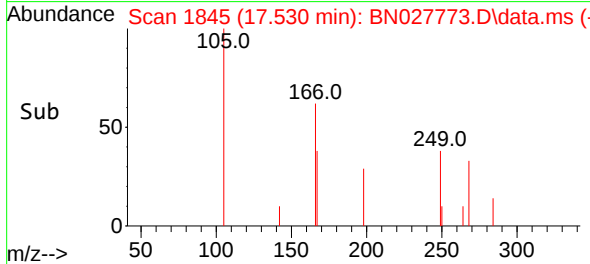
Instrument :
 BNA_N
 ClientSampleId :
 PILE-1



Tgt Ion:178 Resp: 18660
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 11.7 12.2 18.2

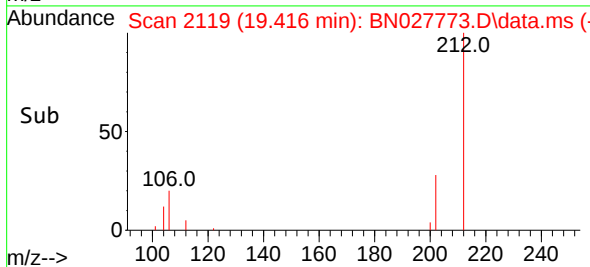
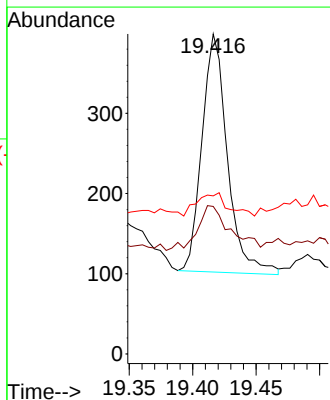
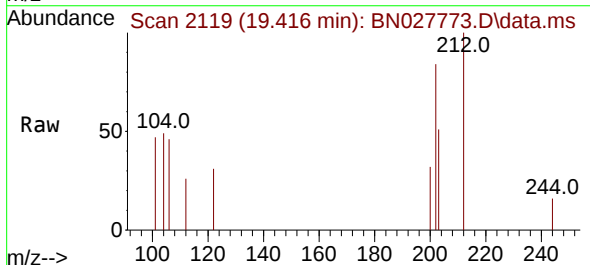
Manual Integrations
 APPROVED

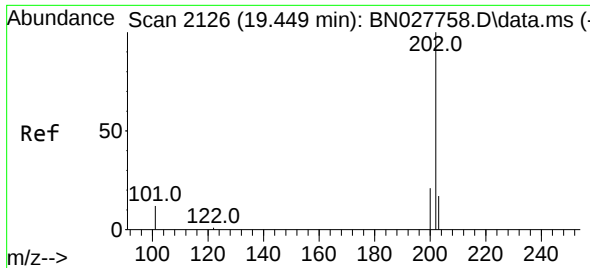
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#27
 Fluoranthene-d10
 Concen: 0.012 ng
 RT: 19.416 min Scan# 2119
 Delta R.T. -0.005 min
 Lab File: BN027773.D
 Acq: 20 Sep 2023 21:03

Tgt Ion:212 Resp: 414
 Ion Ratio Lower Upper
 212 100
 106 24.2 12.2 18.2#
 104 11.6 7.0 10.4#





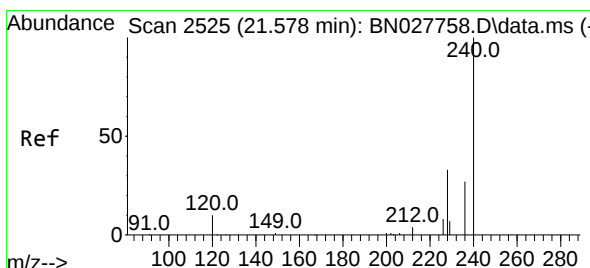
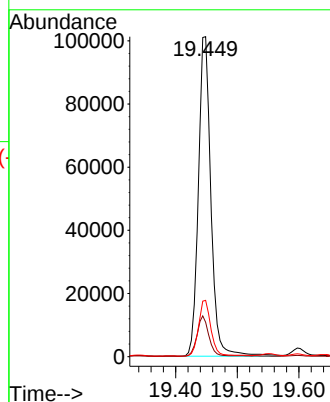
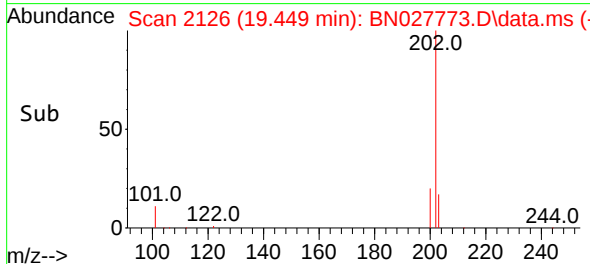
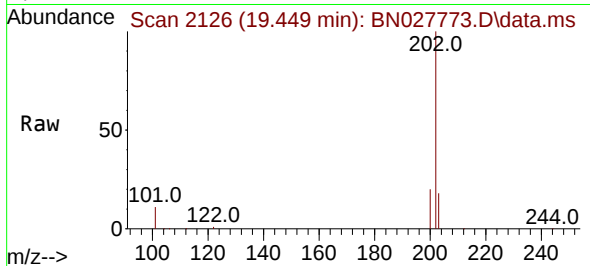
#28
Fluoranthene
Concen: 3.029 ng
RT: 19.449 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Instrument :
BNA_N
ClientSampleId :
PILE-1

Tgt Ion:202 Resp: 14383
Ion Ratio Lower Upper
202 100
101 11.9 9.6 14.4
203 17.3 13.8 20.6

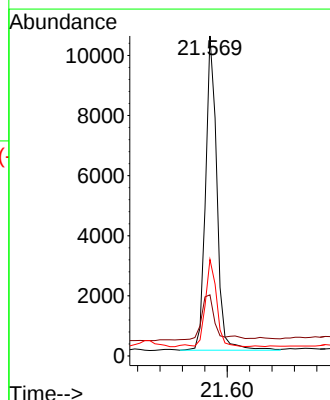
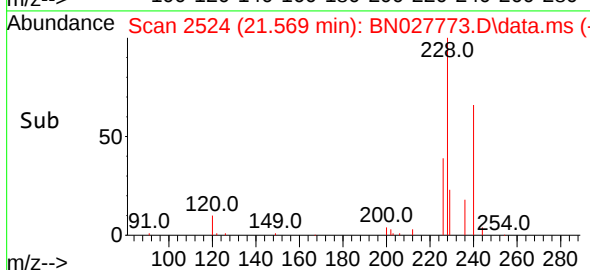
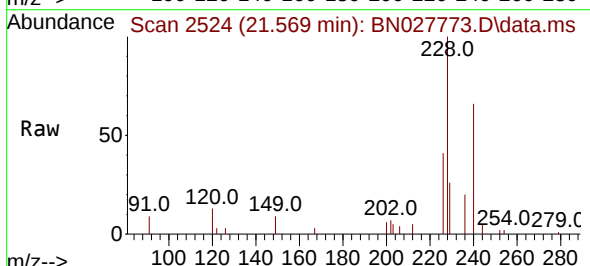
Manual Integrations
APPROVED

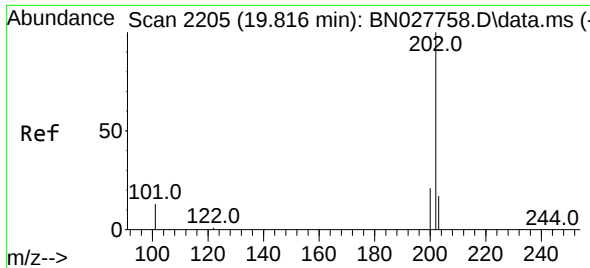
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 2524
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

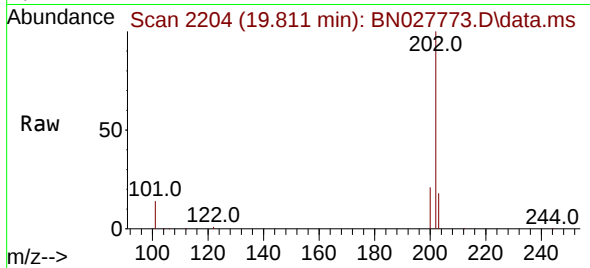
Tgt Ion:240 Resp: 14623
Ion Ratio Lower Upper
240 100
120 19.1 11.2 16.8#
236 30.1 22.8 34.2





#30
Pyrene
Concen: 2.741 ng
RT: 19.811 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

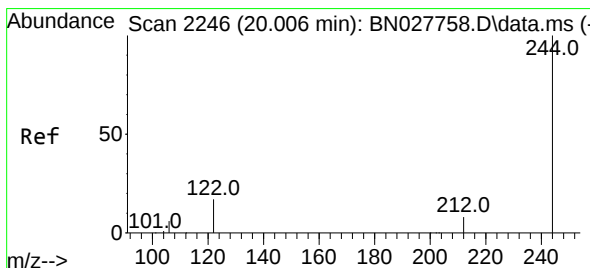
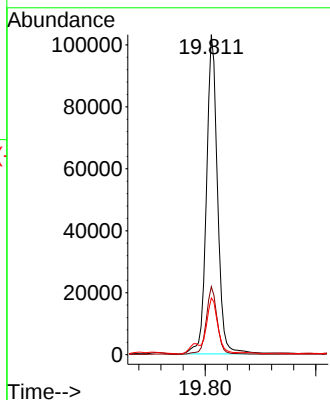
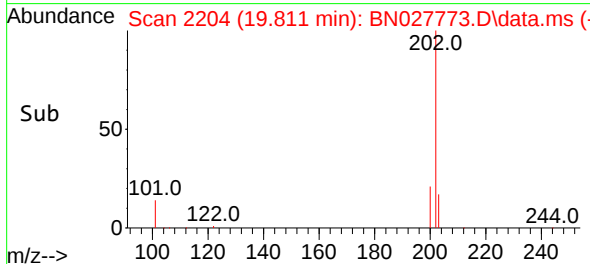
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:202 Resp: 144019
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 16.3 14.2 21.4

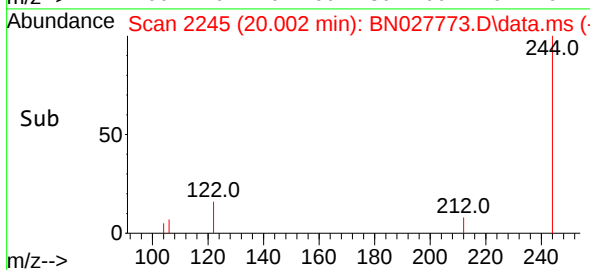
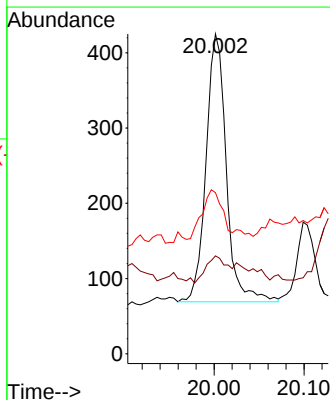
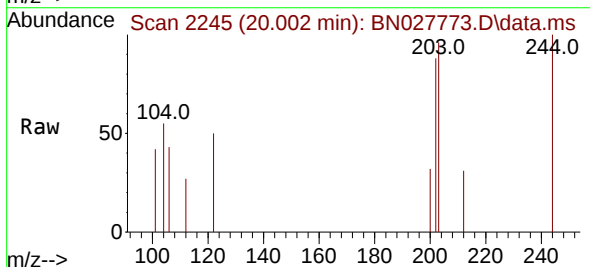
Manual Integrations
APPROVED

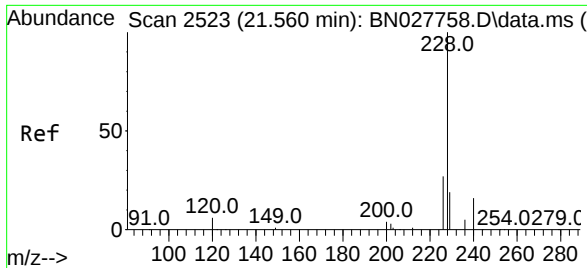
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#31
Terphenyl-d14
Concen: 0.020 ng
RT: 20.002 min Scan# 2245
Delta R.T. -0.005 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

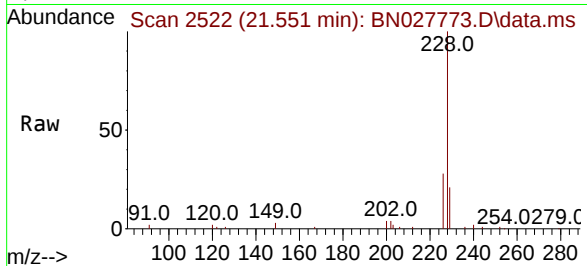
Tgt Ion:244 Resp: 558
Ion Ratio Lower Upper
244 100
212 30.6 7.5 11.3#
122 50.4 13.9 20.9#





#32
Benzo(a)anthracene
Concen: 1.653 ng
RT: 21.551 min Scan# 2152
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

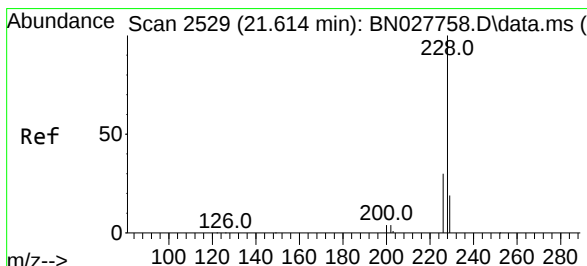
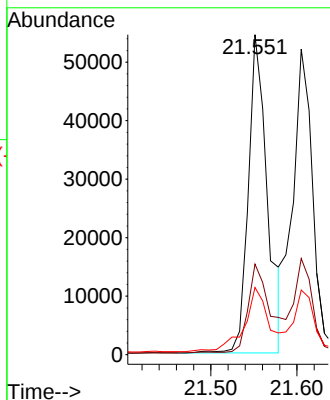
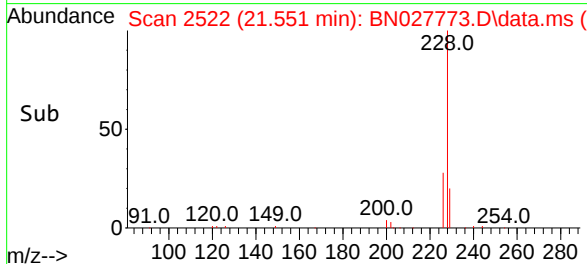
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:228 Resp: 8386
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 21.0 15.8 23.6

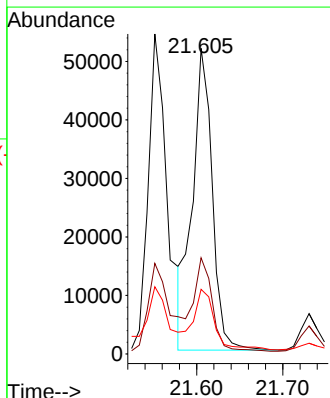
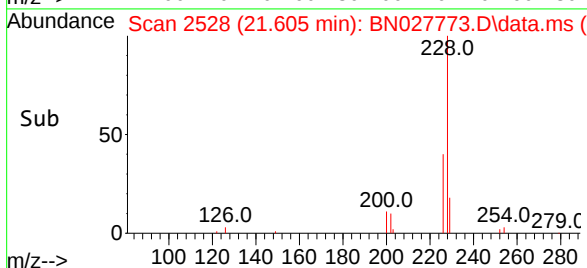
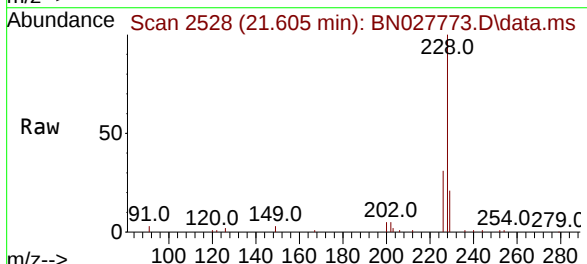
Manual Integrations
APPROVED

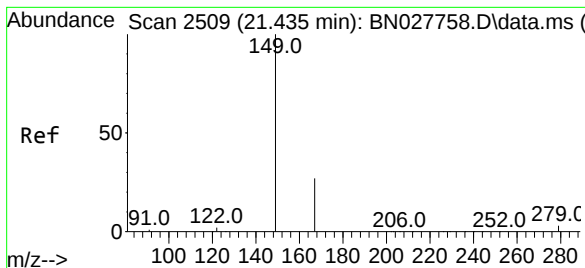
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#33
Chrysene
Concen: 1.478 ng
RT: 21.605 min Scan# 2528
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

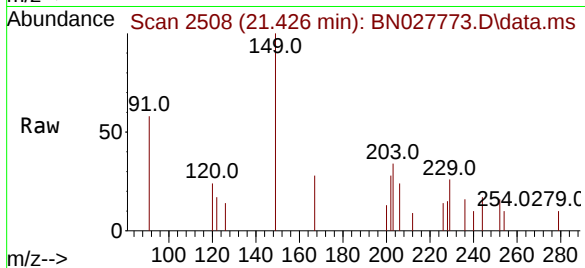
Tgt Ion:228 Resp: 82594
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 21.2 15.7 23.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.051 ng
RT: 21.426 min Scan# 2142
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

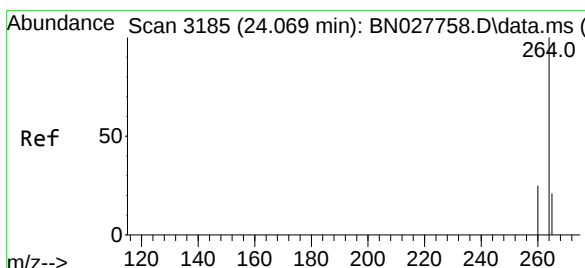
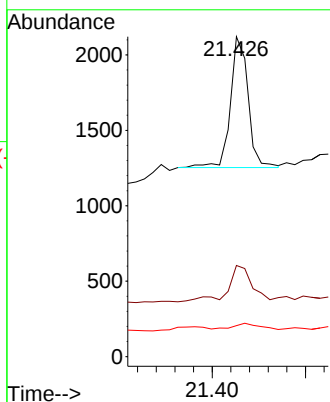
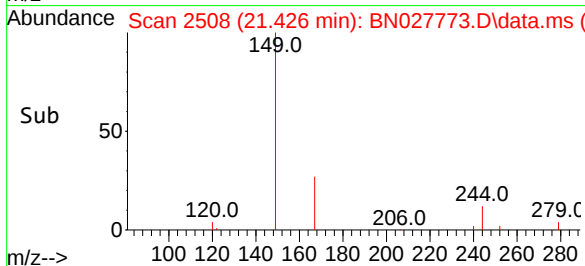
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:149 Resp: 1142
Ion Ratio Lower Upper
149 100
167 36.3 21.4 32.2
279 7.1 2.3 3.5

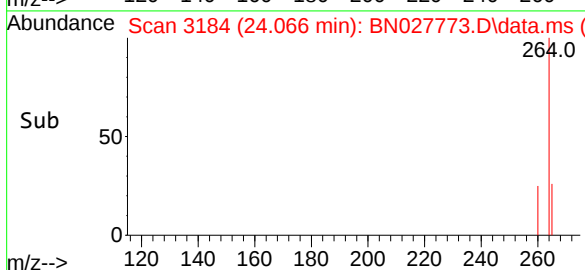
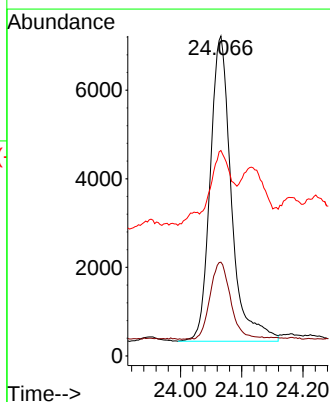
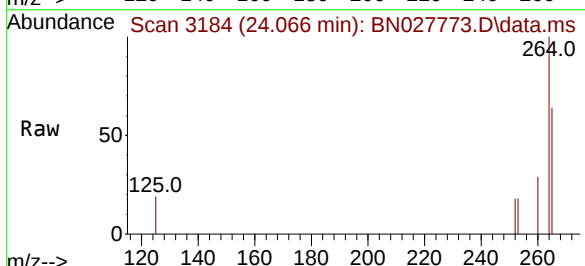
Manual Integrations
APPROVED

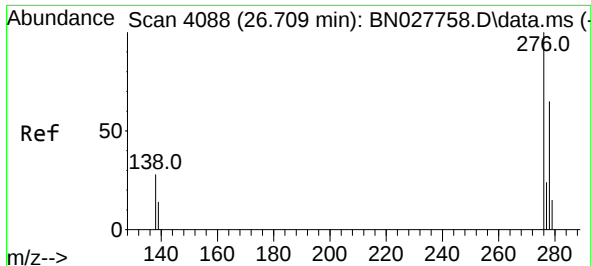
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.066 min Scan# 3184
Delta R.T. -0.003 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

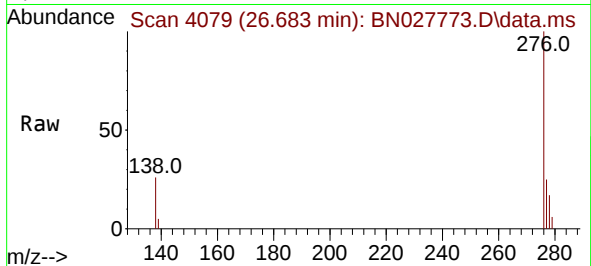
Tgt Ion:264 Resp: 16602
Ion Ratio Lower Upper
264 100
260 29.3 21.0 31.6
265 64.2 60.5 90.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.107 ng
RT: 26.683 min Scan# 4088
Delta R.T. -0.026 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

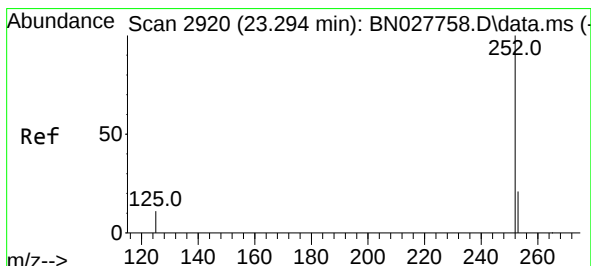
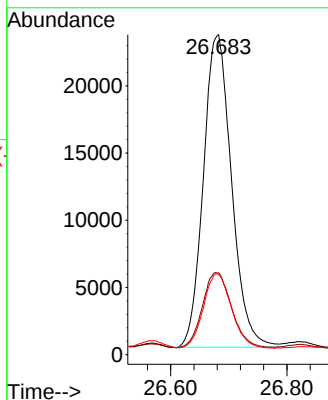
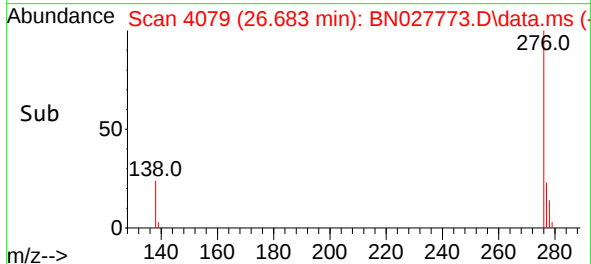
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:276 Resp: 7820
Ion Ratio Lower Upper
276 100
138 24.5 23.5 35.3
277 23.7 19.9 29.9

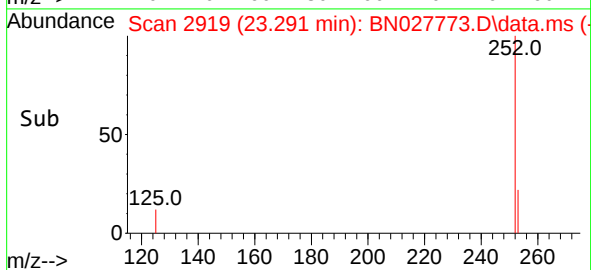
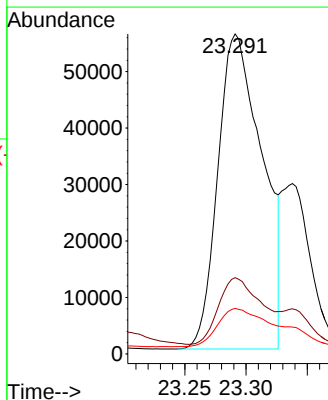
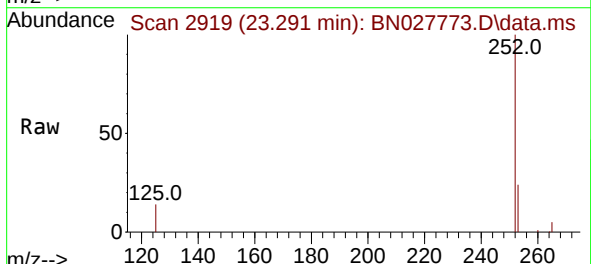
Manual Integrations
APPROVED

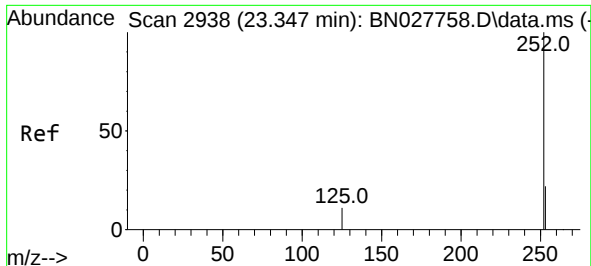
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#37
Benzo(b)fluoranthene
Concen: 2.142 ng
RT: 23.291 min Scan# 2919
Delta R.T. -0.003 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

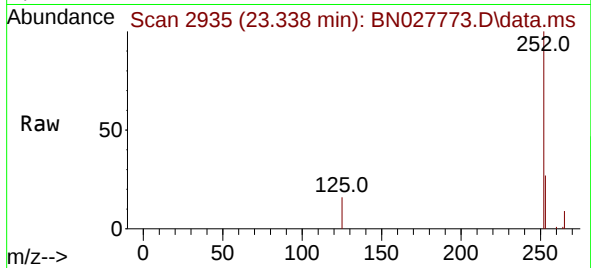
Tgt Ion:252 Resp: 140634
Ion Ratio Lower Upper
252 100
253 23.9 20.8 31.2
125 14.3 13.5 20.3





#38
Benzo(k)fluoranthene
Concen: 0.731 ng m
RT: 23.338 min Scan# 2938
Delta R.T. -0.009 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

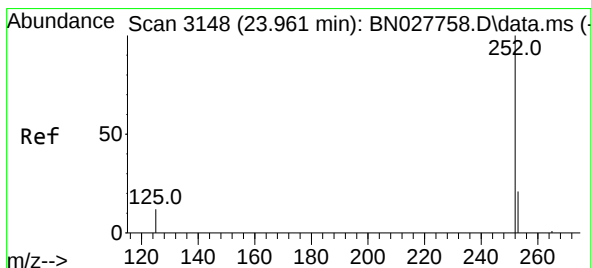
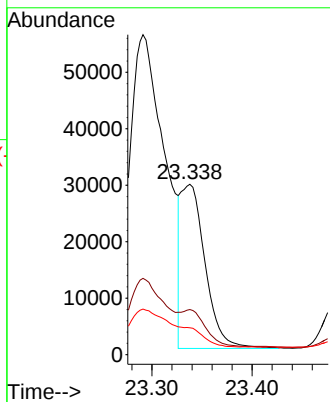
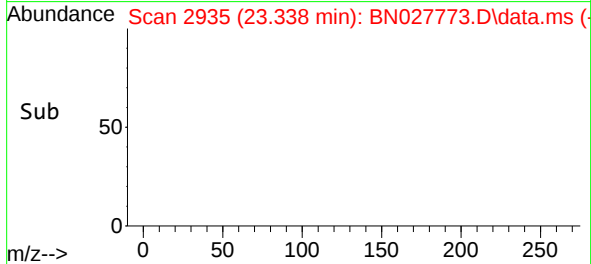
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:252 Resp: 4868
Ion Ratio Lower Upper
252 100
253 26.5 21.2 31.8
125 15.8 13.8 20.6

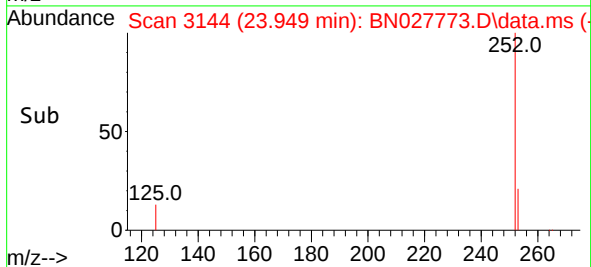
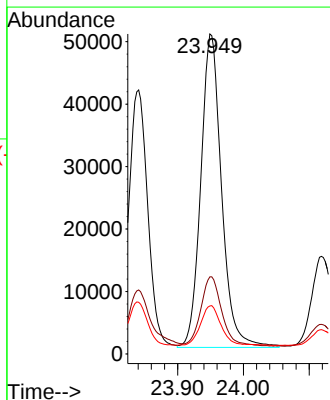
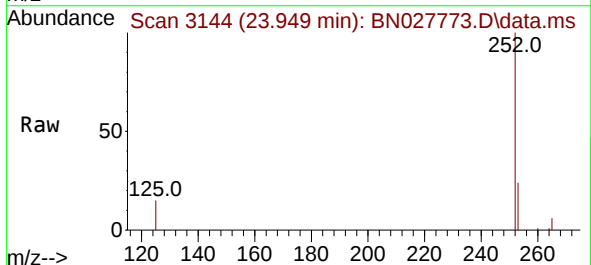
Manual Integrations
APPROVED

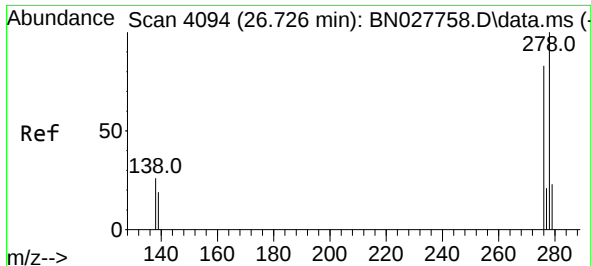
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#39
Benzo(a)pyrene
Concen: 1.853 ng m
RT: 23.949 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

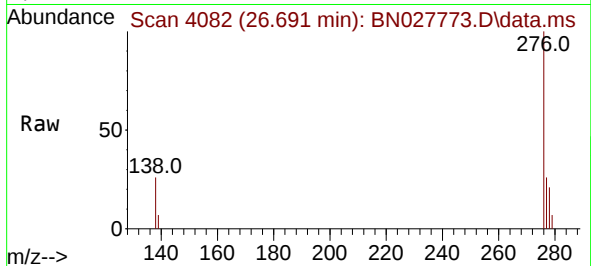
Tgt Ion:252 Resp: 110536
Ion Ratio Lower Upper
252 100
253 24.1 22.6 33.8
125 15.0 16.5 24.7#





#40
Dibenzo(a,h)anthracene
Concen: 0.303 ng m
RT: 26.691 min Scan# 4094
Delta R.T. -0.035 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

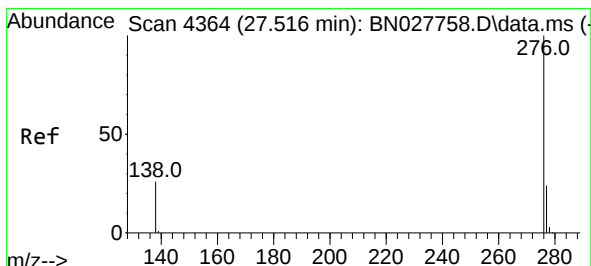
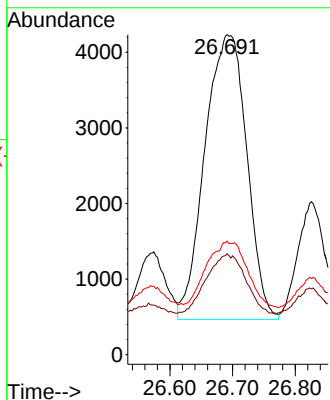
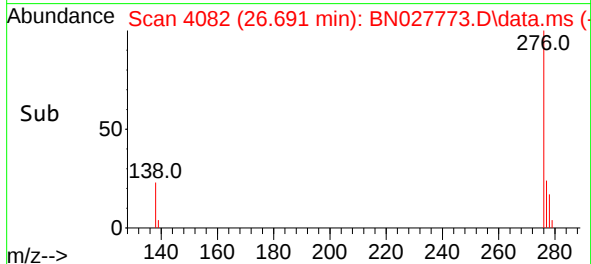
Instrument :
BNA_N
ClientSampleId :
PILE-1



Tgt Ion:278 Resp: 1749
Ion Ratio Lower Upper
278 100
139 31.6 17.1 25.7
279 35.5 22.2 33.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#41
Benzo(g,h,i)perylene
Concen: 1.375 ng
RT: 27.504 min Scan# 4360
Delta R.T. -0.012 min
Lab File: BN027773.D
Acq: 20 Sep 2023 21:03

Tgt Ion:276 Resp: 87695
Ion Ratio Lower Upper
276 100
277 25.2 20.4 30.6
138 26.8 21.9 32.9

