

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
 Data File : BN027778.D
 Acq On : 21 Sep 2023 00:06
 Operator : MA/JU
 Sample : 04367-03 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-3

Manual Integrations
 APPROVED

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

Quant Time: Sep 21 04:24:50 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	8.008	152	4423	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	14663	0.400	ng	# 0.00
13) Acenaphthene-d10	14.640	164	8643	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	20883	0.400	ng	# 0.00
29) Chrysene-d12	21.569	240	20996	0.400	ng	# 0.00
35) Perylene-d12	24.066	264	20100	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.538	112	396	0.035	ng	0.00
5) Phenol-d6	7.156	99	505	0.036	ng	0.00
8) Nitrobenzene-d5	9.198	82	561	0.048	ng	-0.01
11) 2-Methylnaphthalene-d10	12.407	152	609	0.028	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	487	0.133	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	1083	0.037	ng	0.00
27) Fluoranthene-d10	19.416	212	1829	0.034	ng	0.00
31) Terphenyl-d14	20.001	244	2148	0.053	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.885	128	17550	0.432	ng	98
12) 2-Methylnaphthalene	12.479	142	7412	0.262	ng	100
16) Acenaphthylene	14.373	152	34957	0.946	ng	100
17) Acenaphthene	14.705	154	13837	0.528	ng	99
18) Fluorene	15.680	166	25920	0.682	ng	98
25) Phenanthrene	17.430	178	425785	6.969	ng	100
26) Anthracene	17.530	178	111965	2.141	ng	99
28) Fluoranthene	19.449	202	699406	9.315	ng	99
30) Pyrene	19.816	202	672452	8.915	ng	100
32) Benzo(a)anthracene	21.551	228	370848	5.090	ng	98
33) Chrysene	21.605	228	320472	3.995	ng	96
34) Bis(2-ethylhexyl)phtha...	21.426	149	10000	0.310	ng	# 93
36) Indeno(1,2,3-cd)pyrene	26.680	276	159045	1.860	ng	94
37) Benzo(b)fluoranthene	23.294	252	364530	4.587	ng	94
38) Benzo(k)fluoranthene	23.341	252	137874m	1.711	ng	
39) Benzo(a)pyrene	23.952	252	276153m	3.824	ng	
40) Dibenzo(a,h)anthracene	26.700	278	41144m	0.589	ng	
41) Benzo(g,h,i)perylene	27.510	276	158442	2.052	ng	97

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

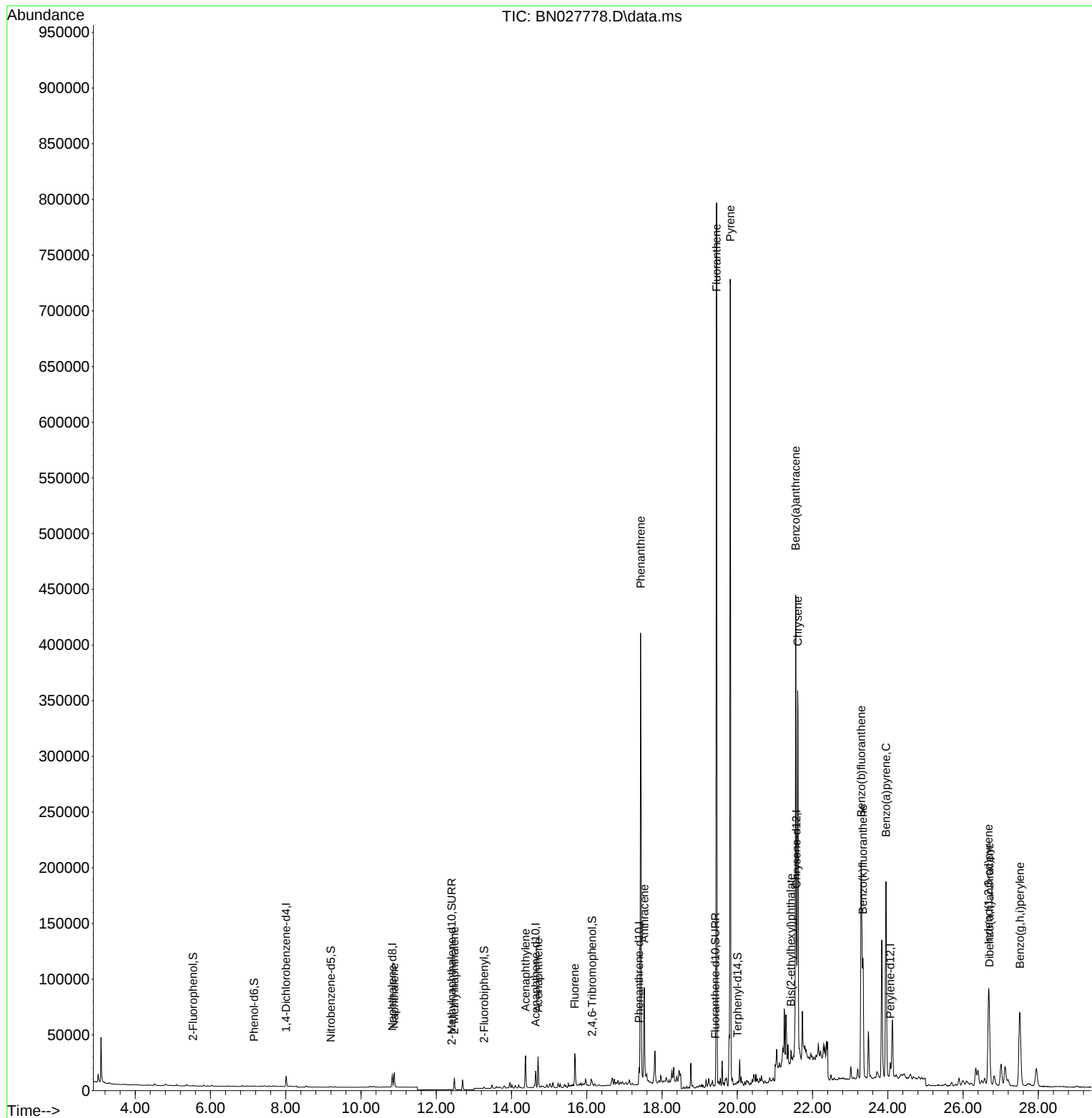
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
Data File : BN027778.D
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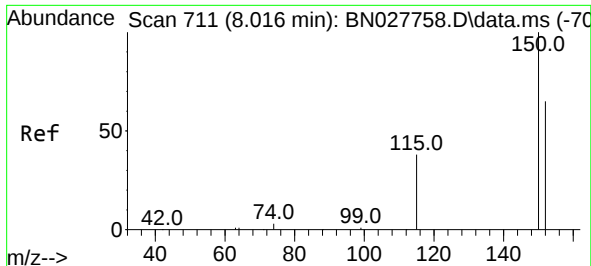
Instrument :
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ClientSampleId :
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Quant Time: Sep 21 04:24:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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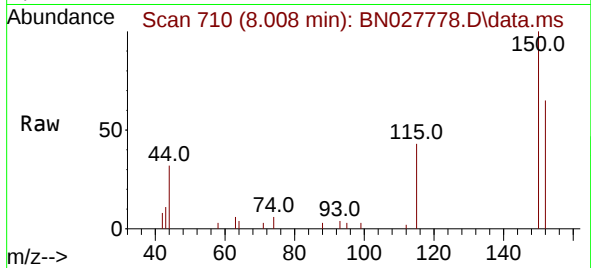
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.008 min Scan# 711
 Delta R.T. -0.008 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

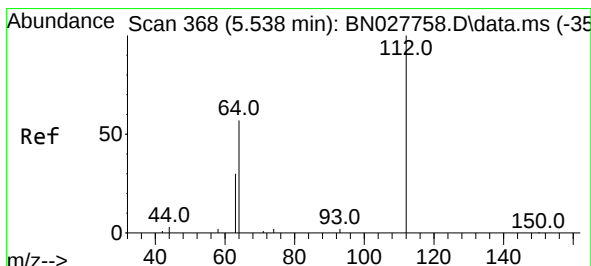
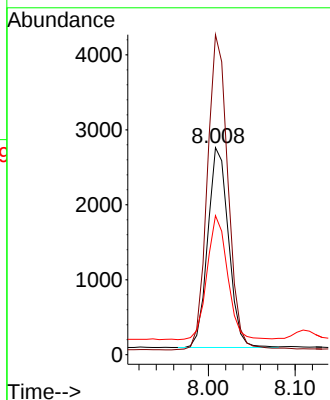
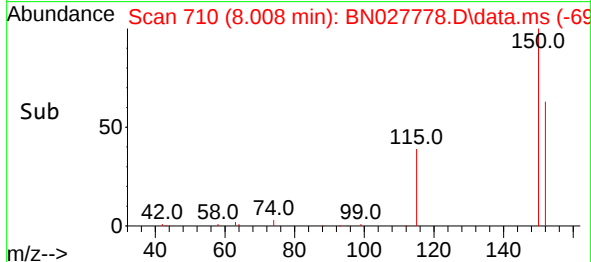
Instrument :
 BNA_N
 ClientSampleId :
 PILE-3



Tgt Ion:152 Resp: 442
 Ion Ratio Lower Upper
 152 100
 150 154.6 120.2 180.2
 115 67.2 54.5 81.7

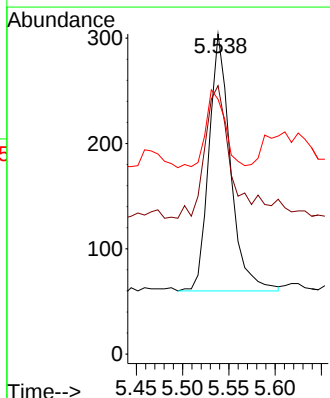
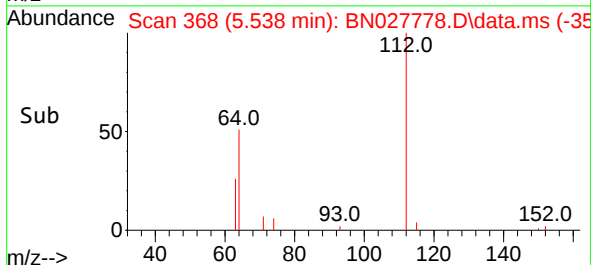
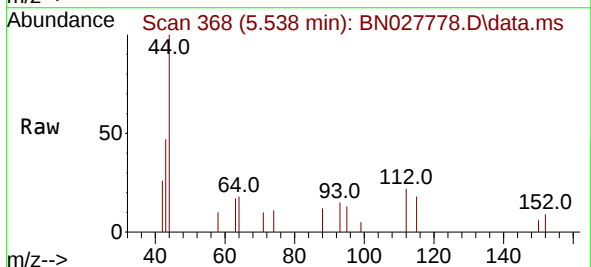
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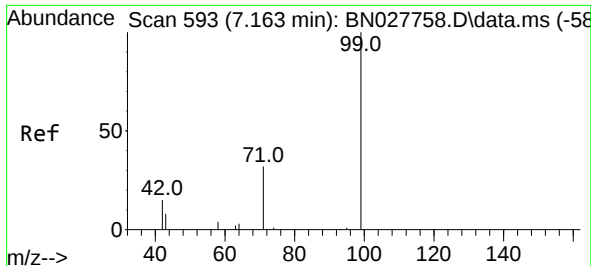
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#4
 2-Fluorophenol
 Concen: 0.035 ng
 RT: 5.538 min Scan# 368
 Delta R.T. -0.000 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

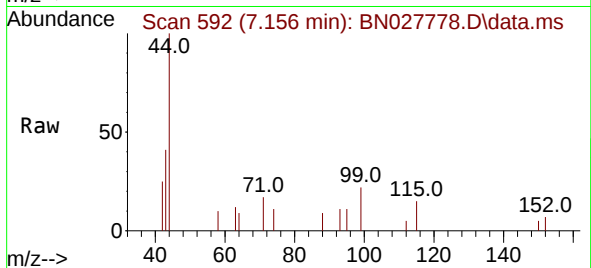
Tgt Ion:112 Resp: 396
 Ion Ratio Lower Upper
 112 100
 64 68.9 46.1 69.1
 63 26.8 24.0 36.0





#5
Phenol-d6
Concen: 0.036 ng
RT: 7.156 min Scan# 593
Delta R.T. -0.007 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

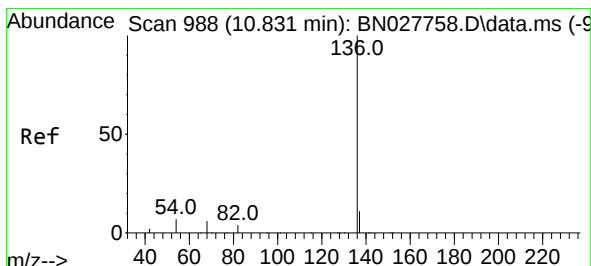
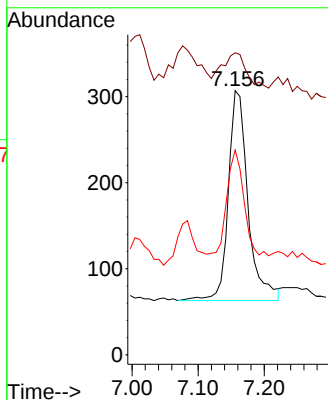
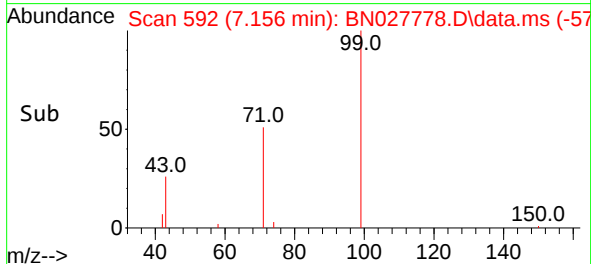
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 99 Resp: 509
Ion Ratio Lower Upper
99 100
42 23.2 16.6 25.0
71 42.8 28.1 42.1

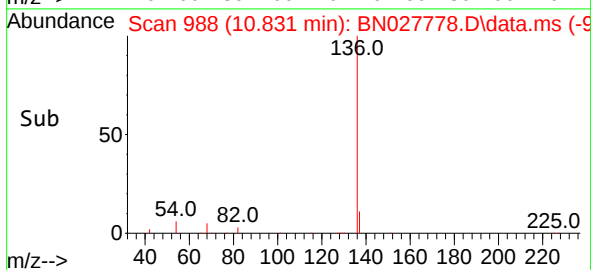
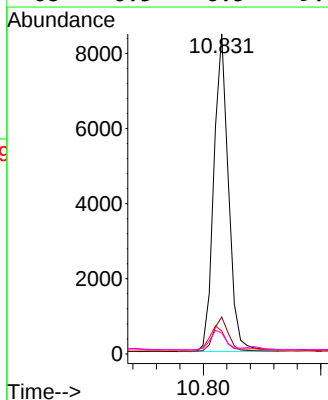
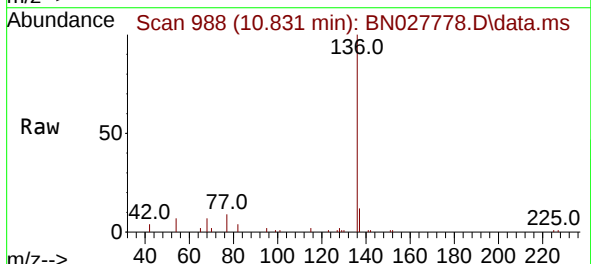
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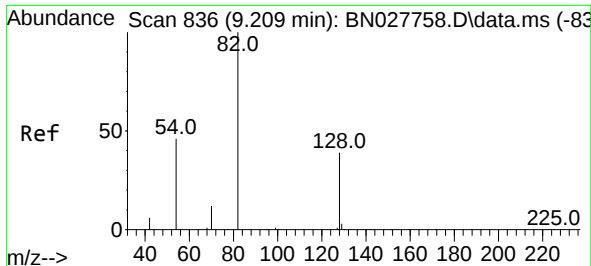
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:136 Resp: 14663
Ion Ratio Lower Upper
136 100
137 11.6 10.1 15.1
54 7.2 7.4 11.0
68 6.5 6.5 9.7





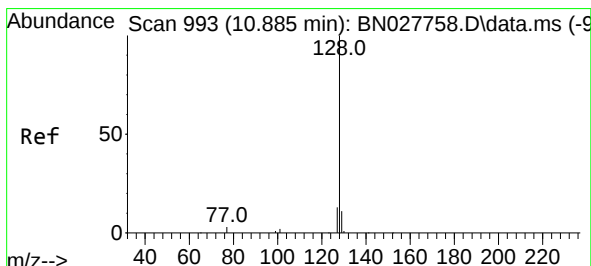
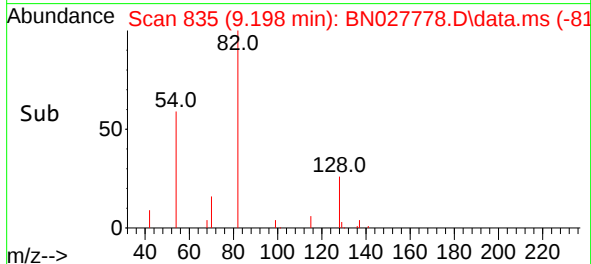
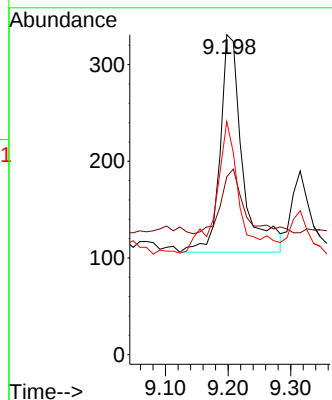
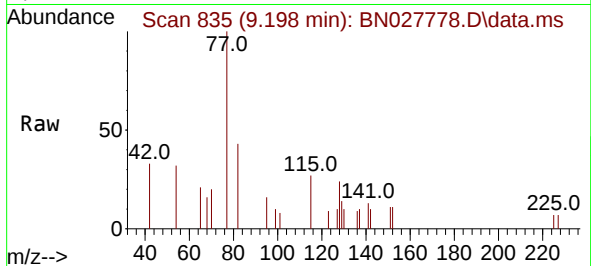
#8
Nitrobenzene-d5
Concen: 0.048 ng
RT: 9.198 min Scan# 836
Delta R.T. -0.011 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Instrument :
BNA_N
ClientSampleId :
PILE-3

Tgt Ion: 82 Resp: 56
Ion Ratio Lower Upper
82 100
128 55.6 36.8 55.2
54 72.8 39.9 59.9

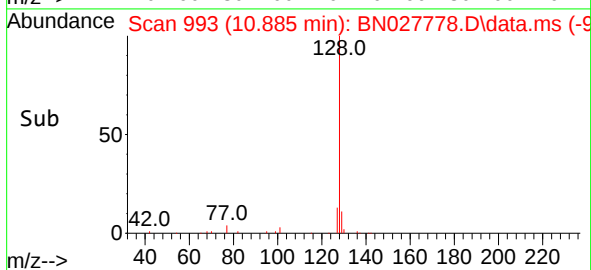
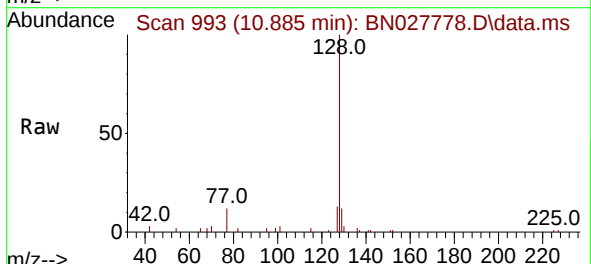
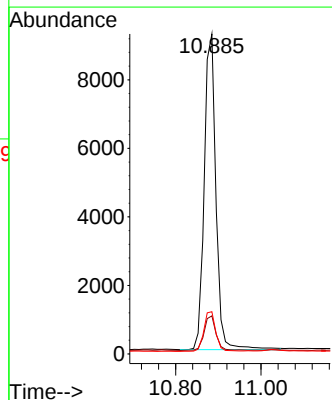
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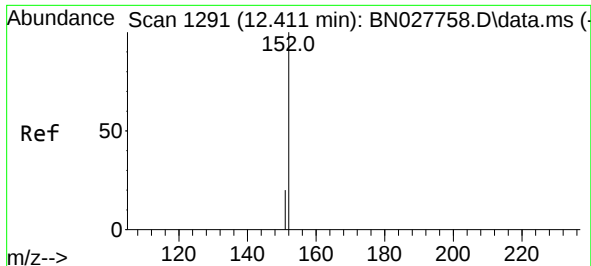
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#9
Naphthalene
Concen: 0.432 ng
RT: 10.885 min Scan# 993
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:128 Resp: 17550
Ion Ratio Lower Upper
128 100
129 11.9 10.2 15.2
127 13.2 11.1 16.7





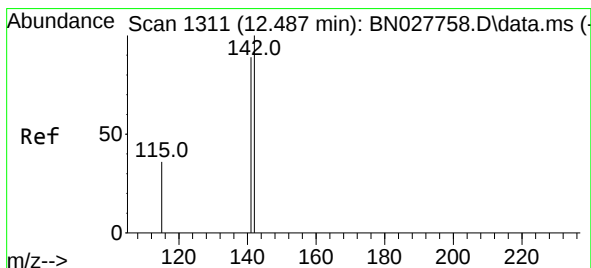
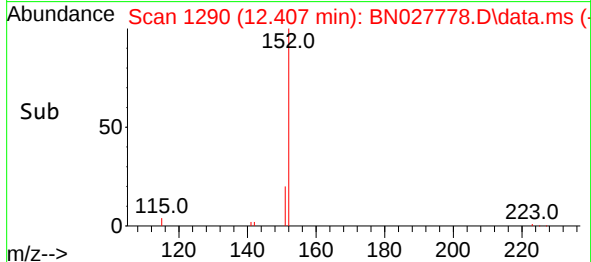
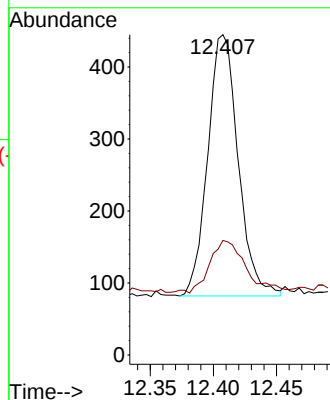
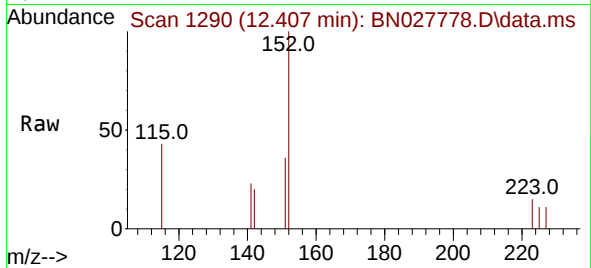
#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.407 min Scan# 1109
Delta R.T. -0.004 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Instrument :
BNA_N
ClientSampleId :
PILE-3

Tgt Ion:152 Resp: 609
Ion Ratio Lower Upper
152 100
151 23.3 15.6 23.4

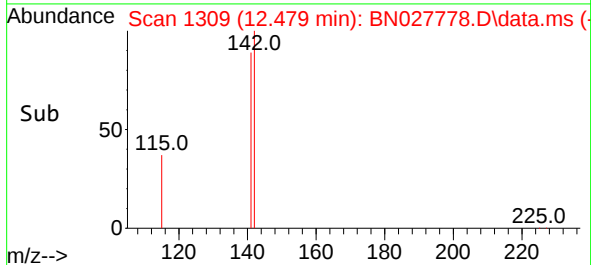
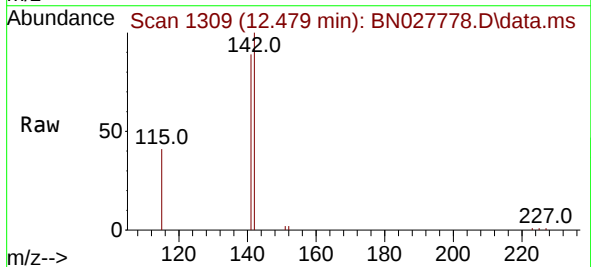
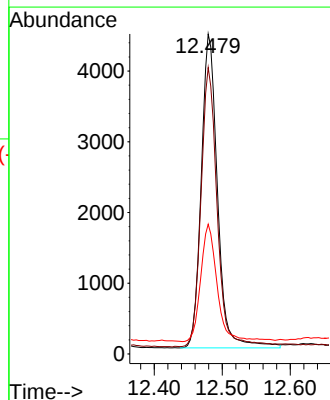
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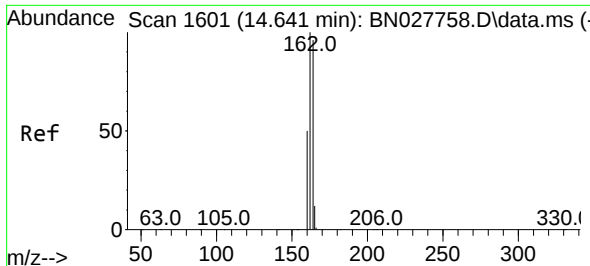
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#12
2-Methylnaphthalene
Concen: 0.262 ng
RT: 12.479 min Scan# 1309
Delta R.T. -0.008 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

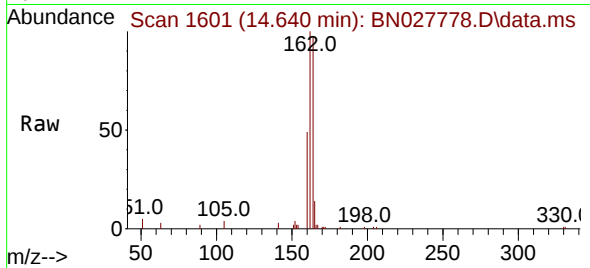
Tgt Ion:142 Resp: 7412
Ion Ratio Lower Upper
142 100
141 89.5 71.5 107.3
115 40.5 31.8 47.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.640 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

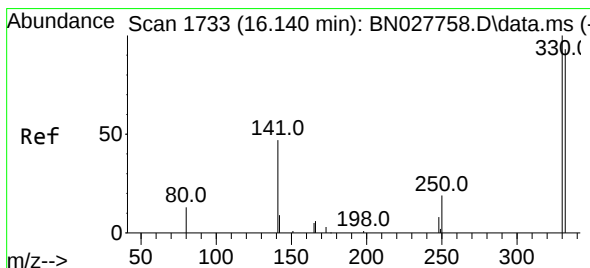
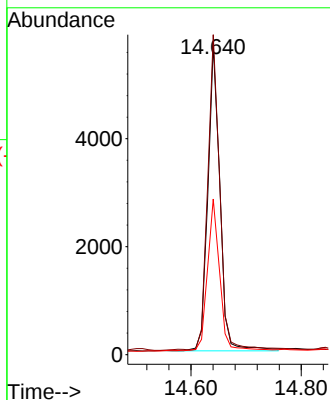
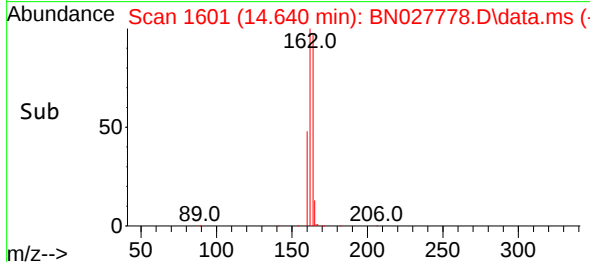
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BNA_N
ClientSampleId :
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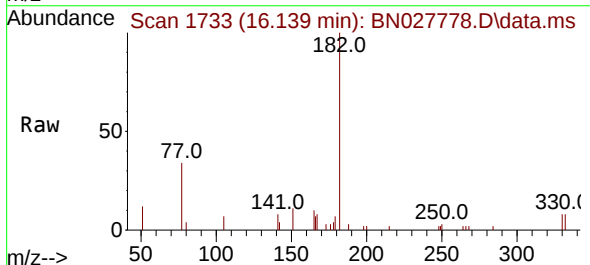
Tgt Ion:164 Resp: 864
Ion Ratio Lower Upper
164 100
162 103.5 83.6 125.4
160 50.3 42.6 64.0

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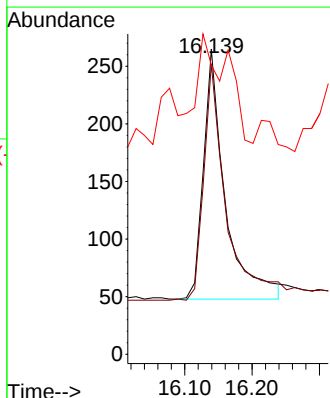
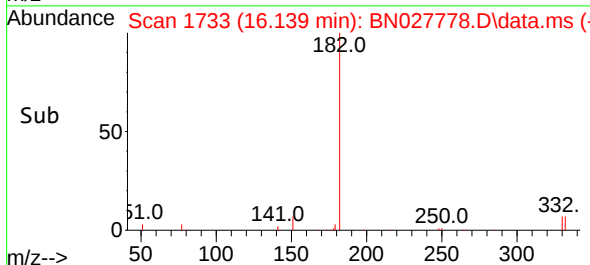
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

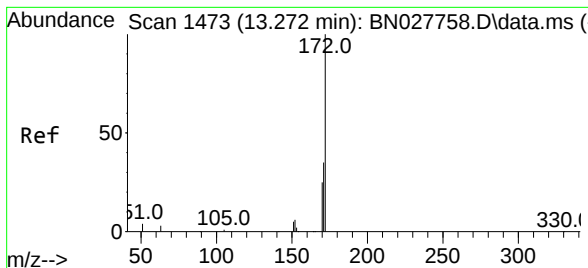


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2,4,6-Tribromophenol
Concen: 0.133 ng
RT: 16.139 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06



Tgt Ion:330 Resp: 487
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.4
141 63.0 38.1 57.1#





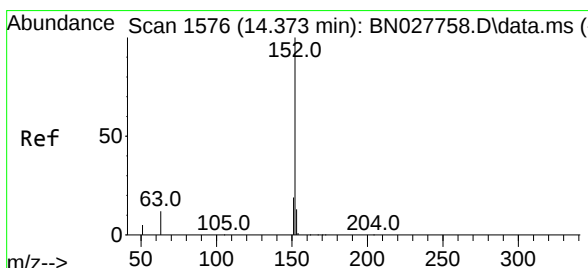
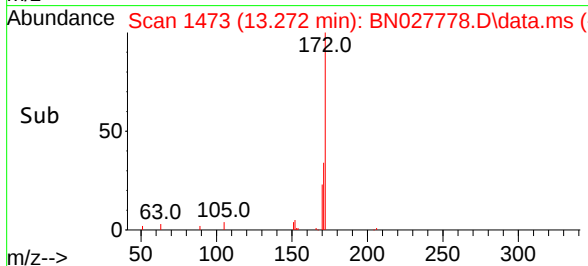
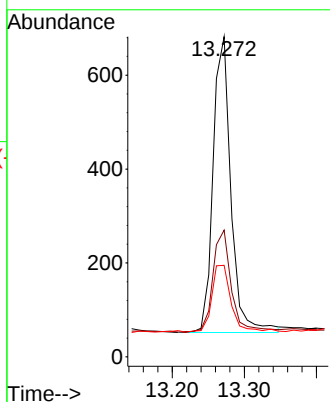
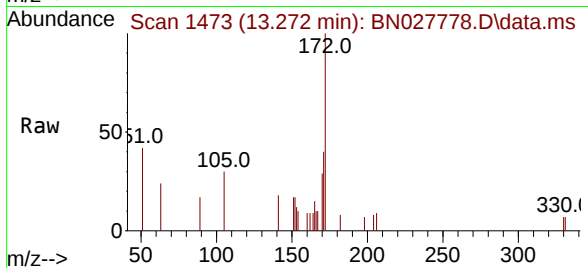
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2-Fluorobiphenyl
Concen: 0.037 ng
RT: 13.272 min Scan# 1473
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Instrument :
BNA_N
ClientSampleId :
PILE-3

Tgt Ion:172 Resp: 1083
Ion Ratio Lower Upper
172 100
171 39.6 29.3 43.9
170 28.6 20.8 31.2

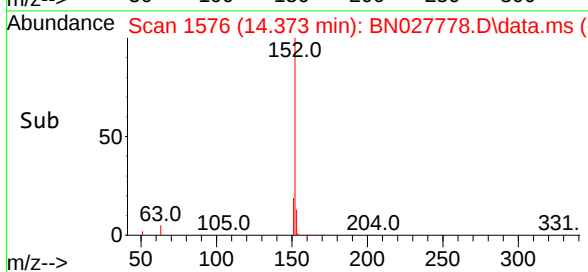
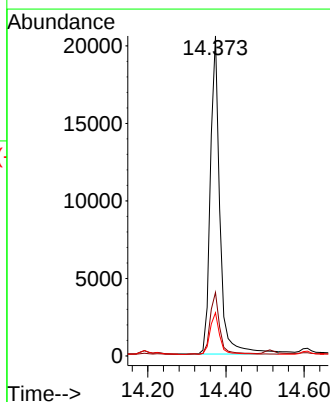
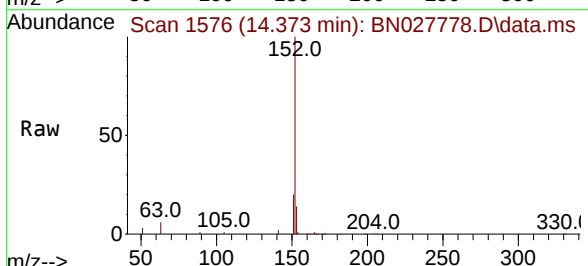
Manual Integrations
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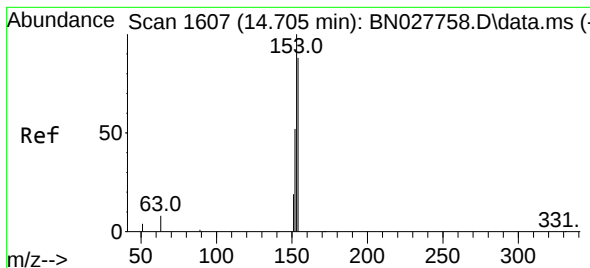
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#16
Acenaphthylene
Concen: 0.946 ng
RT: 14.373 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:152 Resp: 34957
Ion Ratio Lower Upper
152 100
151 19.5 15.4 23.2
153 13.3 10.6 15.8





#17

Acenaphthene

Concen: 0.528 ng

RT: 14.705 min Scan# 1607

Delta R.T. -0.000 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

Instrument :

BNA_N

ClientSampleId :

PILE-3

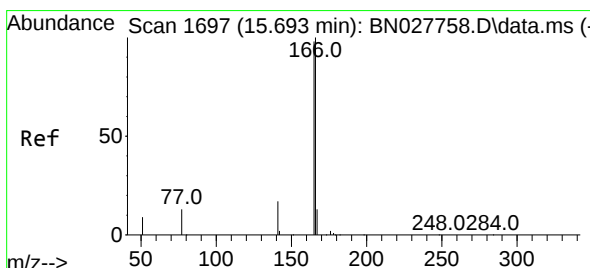
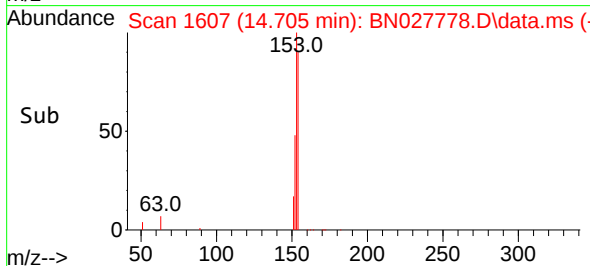
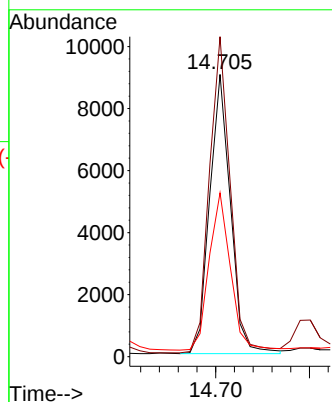
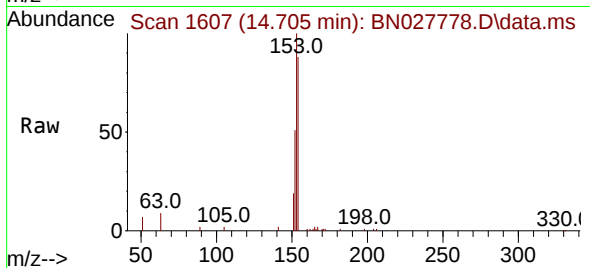
Tgt Ion:154	Resp:	1383
Ion Ratio	Lower	Upper
154	100	
153	114.4	91.0 136.6
152	57.7	47.4 71.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#18

Fluorene

Concen: 0.682 ng

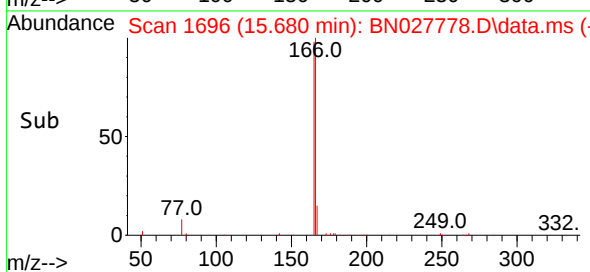
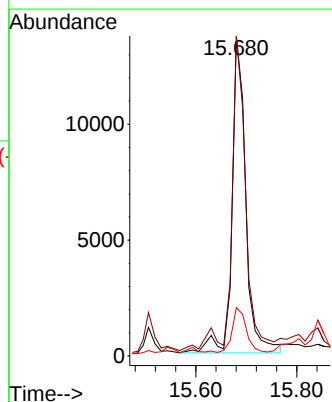
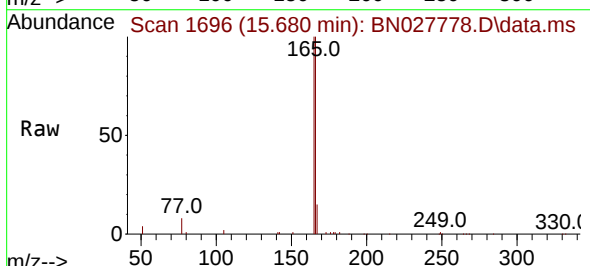
RT: 15.680 min Scan# 1696

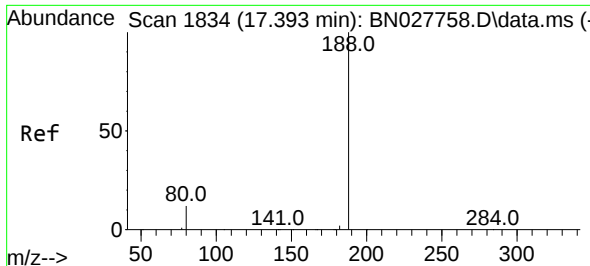
Delta R.T. -0.013 min

Lab File: BN027778.D

Acq: 21 Sep 2023 00:06

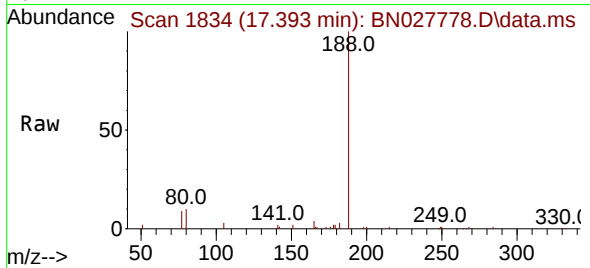
Tgt Ion:166	Resp:	25920
Ion Ratio	Lower	Upper
166	100	
165	101.1	79.3 118.9
167	14.2	10.6 16.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1834
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

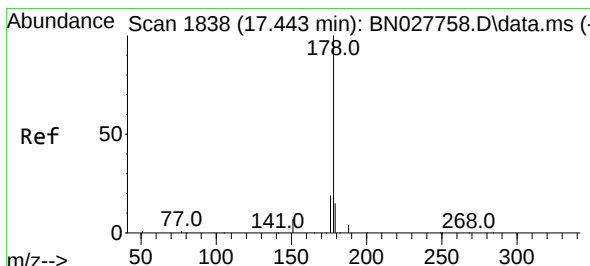
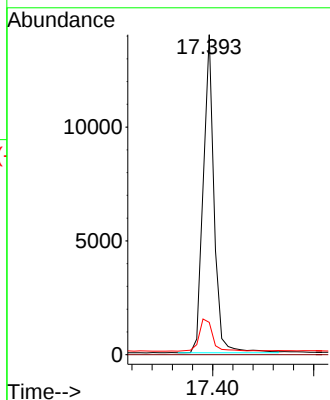
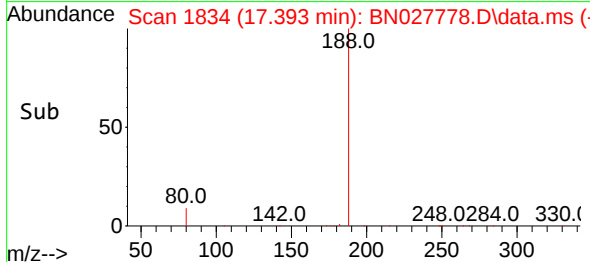
Instrument :
BNA_N
ClientSampleId :
PILE-3



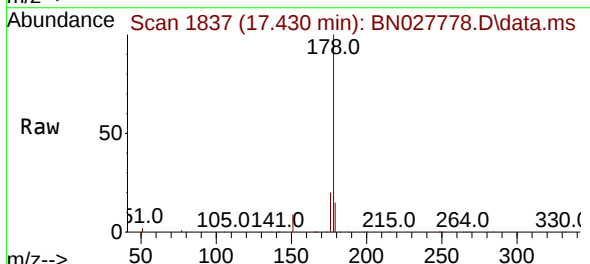
Tgt Ion:188 Resp: 2088
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 10.6 16.0

Manual Integrations
APPROVED

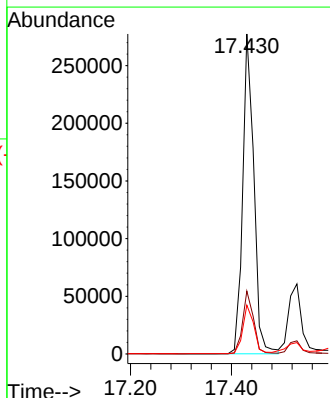
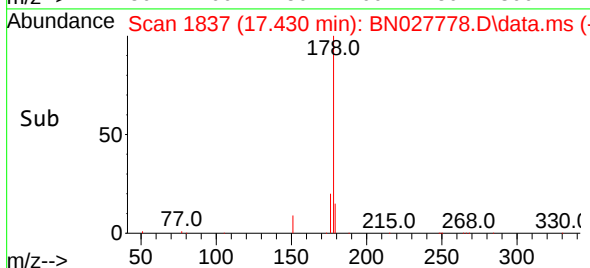
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

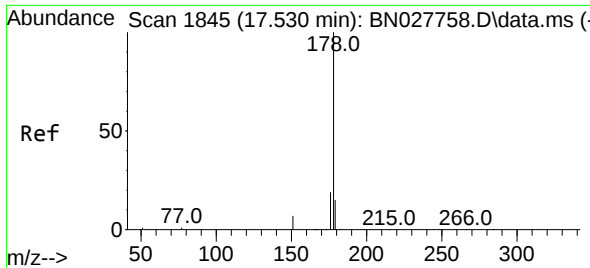


#25
Phenanthrene
Concen: 6.969 ng
RT: 17.430 min Scan# 1837
Delta R.T. -0.013 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06



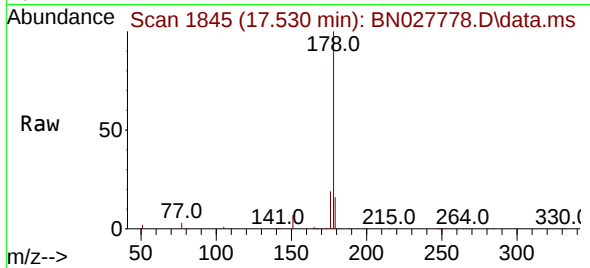
Tgt Ion:178 Resp: 425785
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.4 12.3 18.5





#26
 Anthracene
 Concen: 2.141 ng
 RT: 17.530 min Scan# 11196
 Delta R.T. -0.000 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

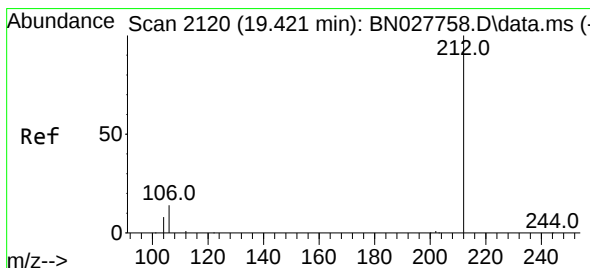
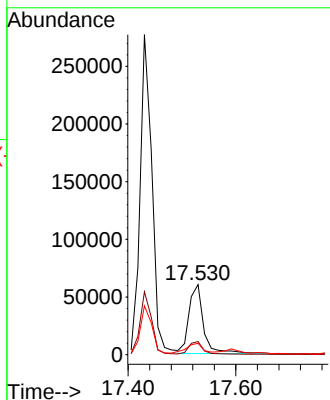
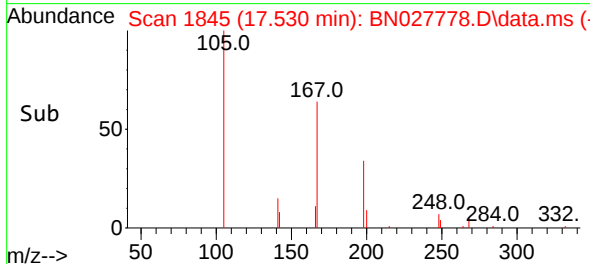
Instrument :
 BNA_N
 ClientSampleId :
 PILE-3



Tgt Ion:178 Resp: 11196
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 15.9 12.2 18.2

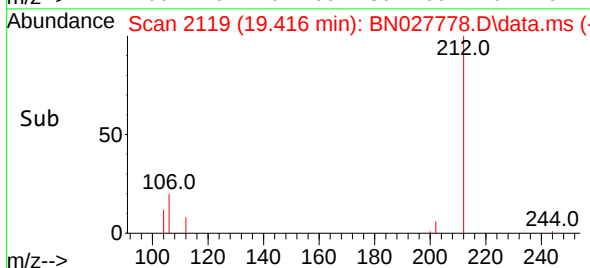
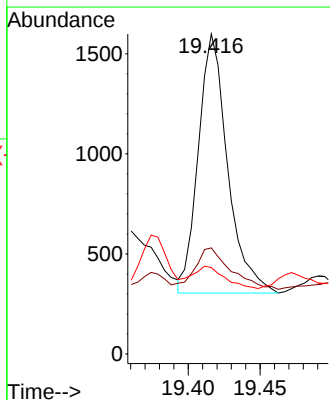
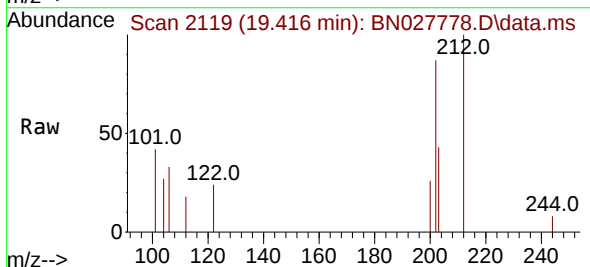
Manual Integrations
 APPROVED

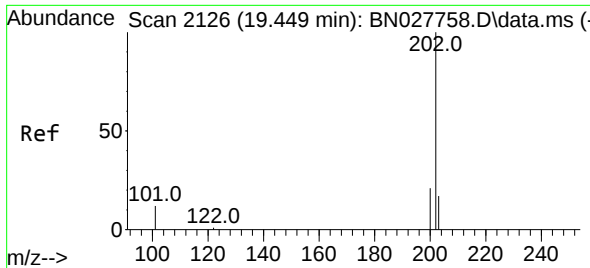
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#27
 Fluoranthene-d10
 Concen: 0.034 ng
 RT: 19.416 min Scan# 2119
 Delta R.T. -0.005 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

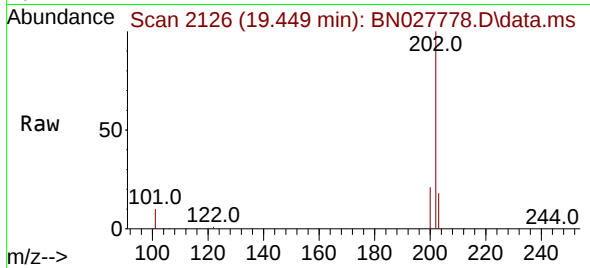
Tgt Ion:212 Resp: 1829
 Ion Ratio Lower Upper
 212 100
 106 19.5 12.2 18.2#
 104 8.9 7.0 10.4





#28
Fluoranthene
Concen: 9.315 ng
RT: 19.449 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

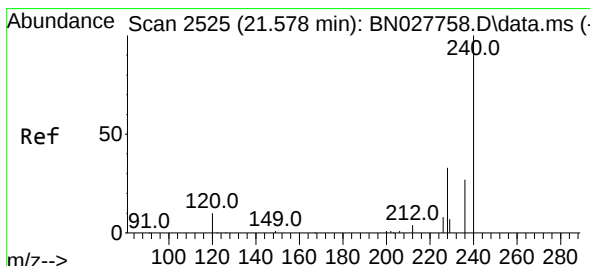
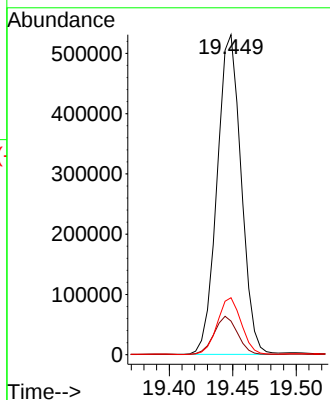
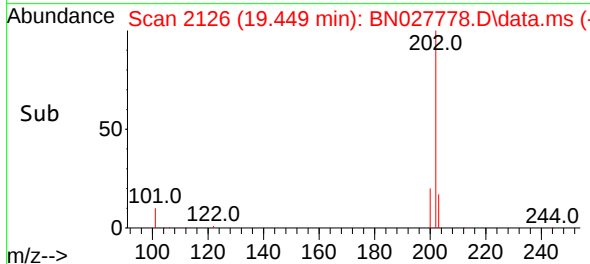
Instrument :
BNA_N
ClientSampleId :
PILE-3



Tgt Ion:202 Resp: 699400
Ion Ratio Lower Upper
202 100
101 11.6 9.6 14.4
203 17.6 13.8 20.6

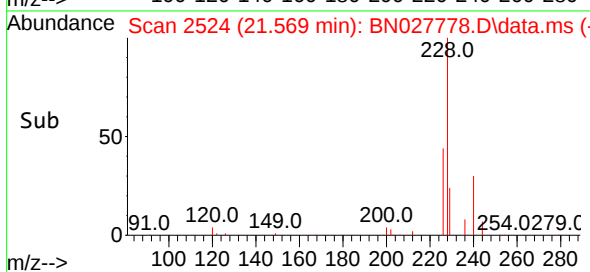
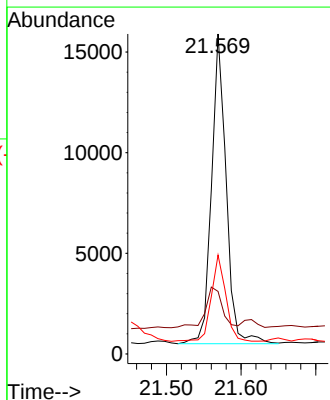
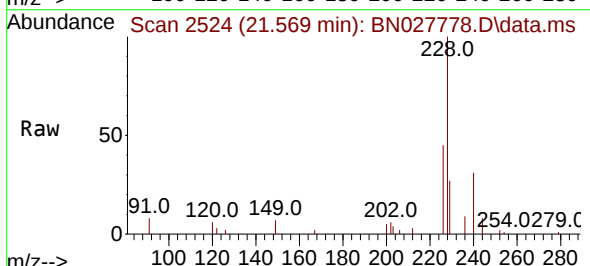
Manual Integrations
APPROVED

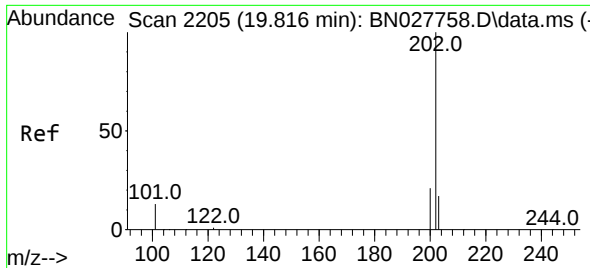
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 2524
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

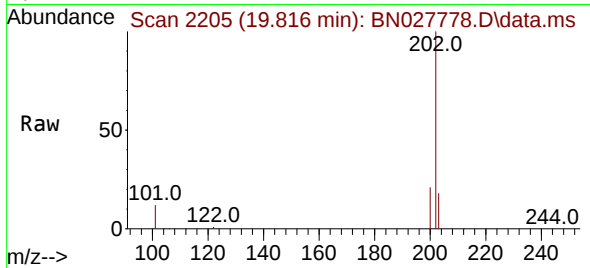
Tgt Ion:240 Resp: 20996
Ion Ratio Lower Upper
240 100
120 19.5 11.2 16.8#
236 30.9 22.8 34.2





#30
Pyrene
Concen: 8.915 ng
RT: 19.816 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

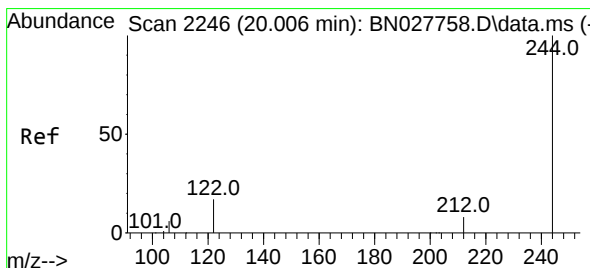
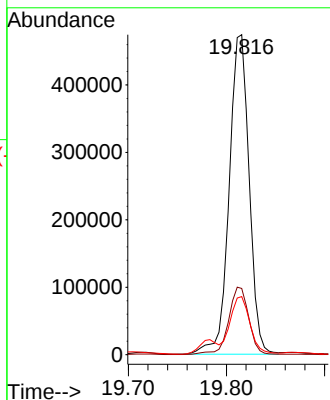
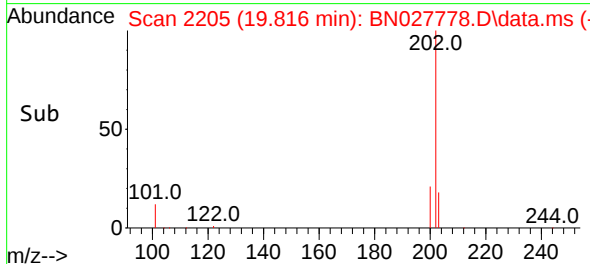
Instrument :
BNA_N
ClientSampleId :
PILE-3



Tgt Ion:202 Resp: 672452
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.9 14.2 21.4

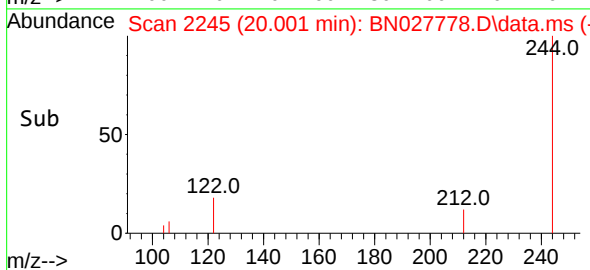
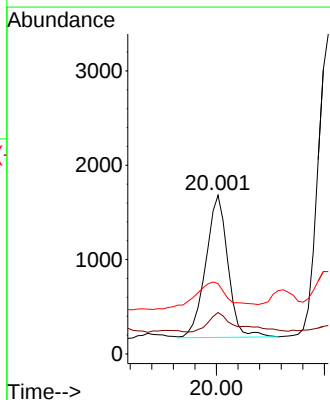
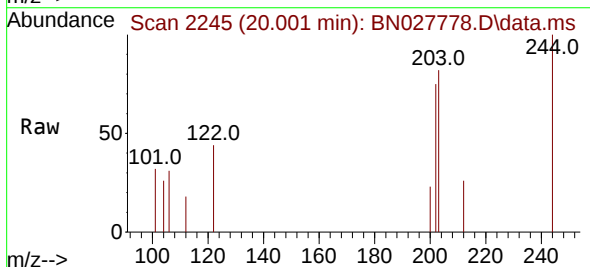
Manual Integrations
APPROVED

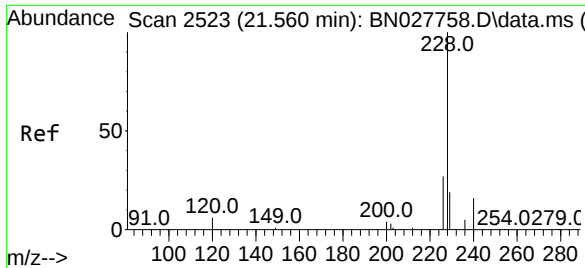
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#31
Terphenyl-d14
Concen: 0.053 ng
RT: 20.001 min Scan# 2245
Delta R.T. -0.005 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

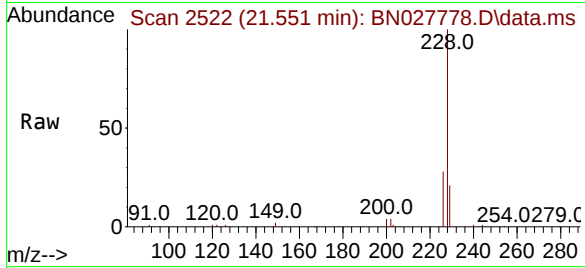
Tgt Ion:244 Resp: 2148
Ion Ratio Lower Upper
244 100
212 26.1 7.5 11.3#
122 44.3 13.9 20.9#





#32
Benzo(a)anthracene
Concen: 5.090 ng
RT: 21.551 min Scan# 2151
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

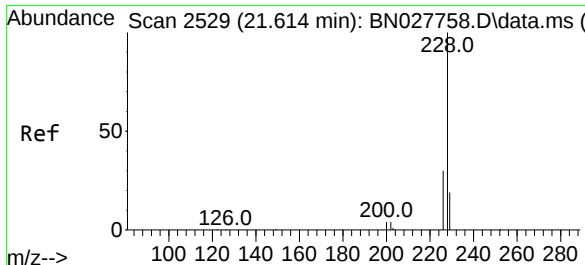
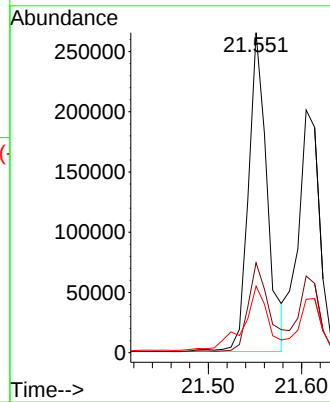
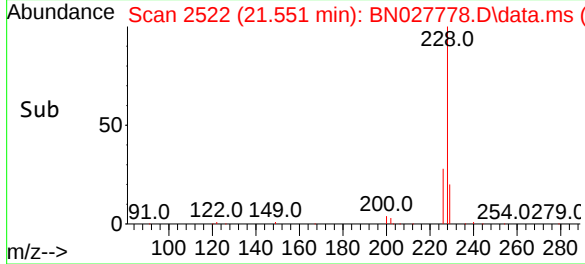
Instrument :
BNA_N
ClientSampleId :
PILE-3



Tgt Ion:228 Resp: 37084
Ion Ratio Lower Upper
228 100
226 28.1 21.9 32.9
229 20.8 15.8 23.6

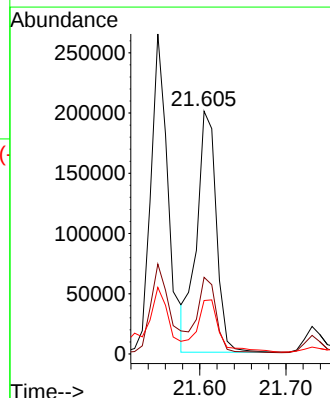
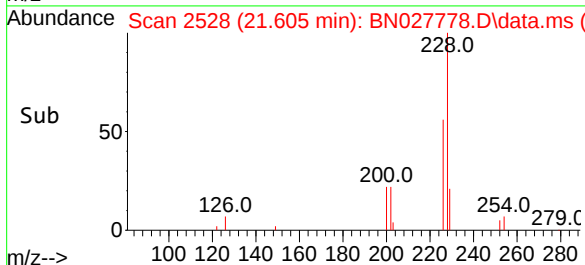
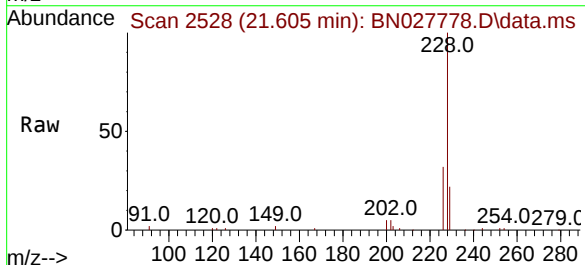
Manual Integrations
APPROVED

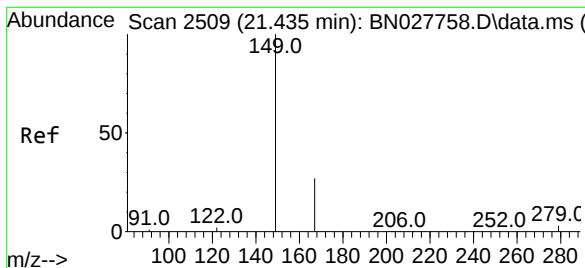
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#33
Chrysene
Concen: 3.995 ng
RT: 21.605 min Scan# 2528
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

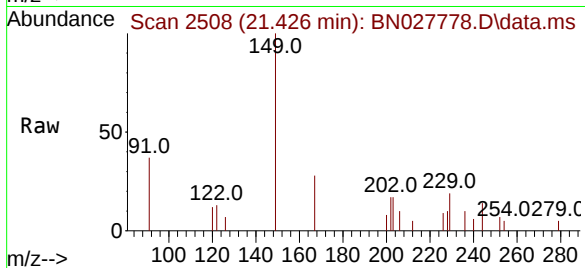
Tgt Ion:228 Resp: 320472
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.4
229 22.0 15.7 23.5





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.310 ng
 RT: 21.426 min Scan# 2149
 Delta R.T. -0.009 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

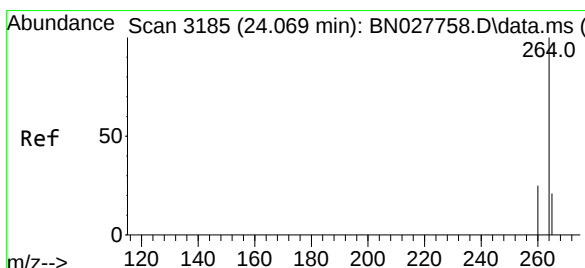
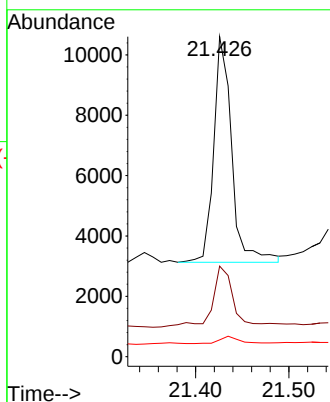
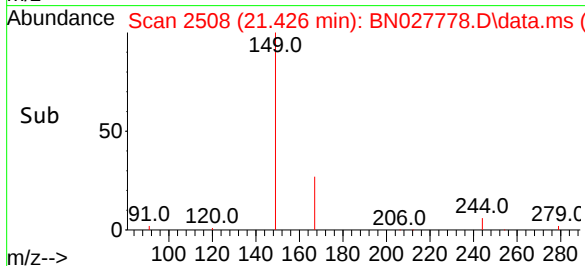
Instrument :
 BNA_N
 ClientSampleId :
 PILE-3



Tgt Ion:149 Resp: 10000
 Ion Ratio Lower Upper
 149 100
 167 30.8 21.4 32.2
 279 3.6 2.3 3.5

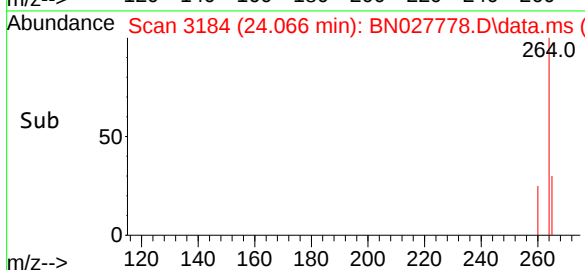
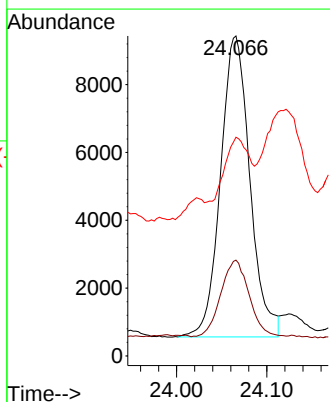
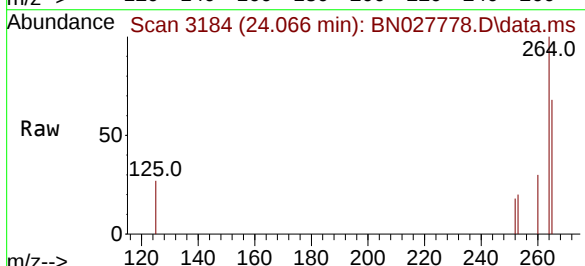
Manual Integrations
 APPROVED

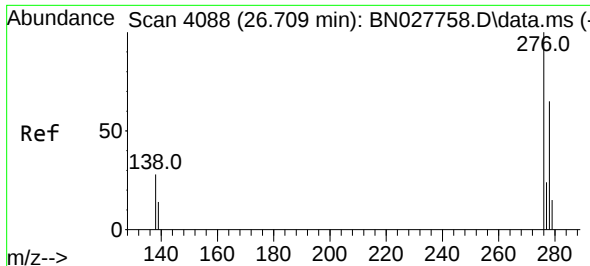
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.066 min Scan# 3184
 Delta R.T. -0.003 min
 Lab File: BN027778.D
 Acq: 21 Sep 2023 00:06

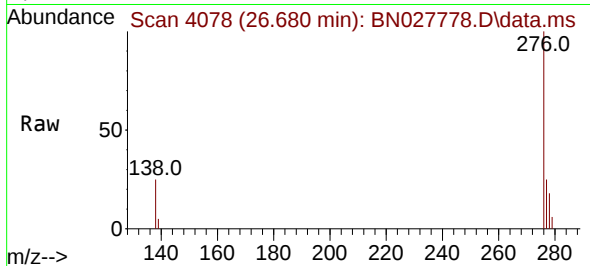
Tgt Ion:264 Resp: 20100
 Ion Ratio Lower Upper
 264 100
 260 29.9 21.0 31.6
 265 68.4 60.5 90.7





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.860 ng
RT: 26.680 min Scan# 4088
Delta R.T. -0.029 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

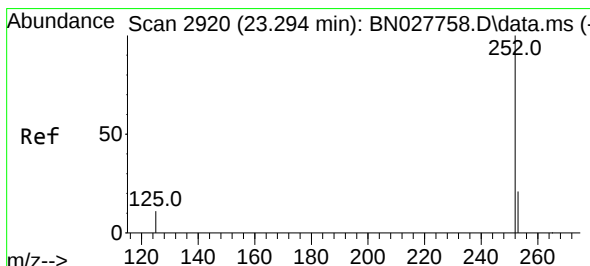
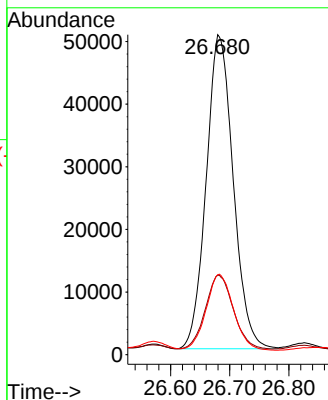
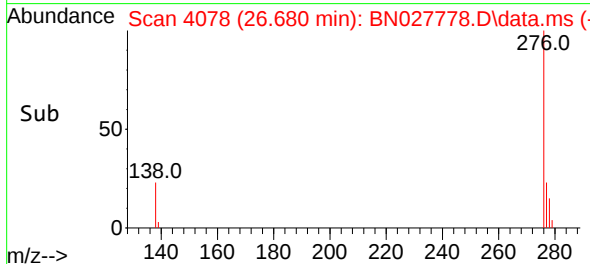
Instrument :
BNA_N
ClientSampleId :
PILE-3



Tgt Ion:276 Resp: 159045
Ion Ratio Lower Upper
276 100
138 24.1 23.5 35.3
277 24.5 19.9 29.9

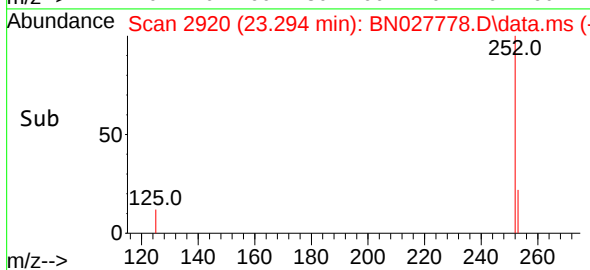
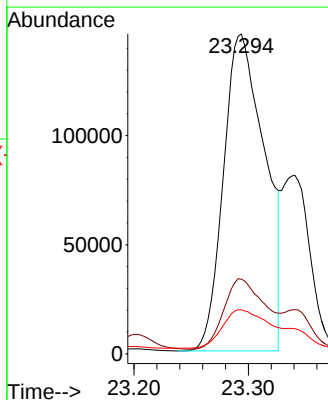
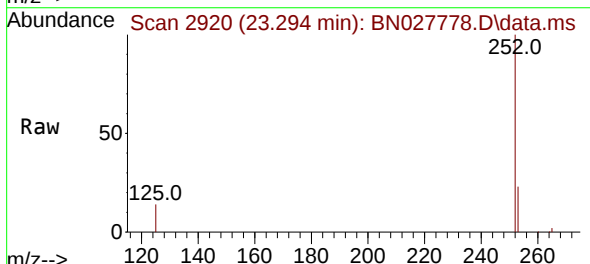
Manual Integrations
APPROVED

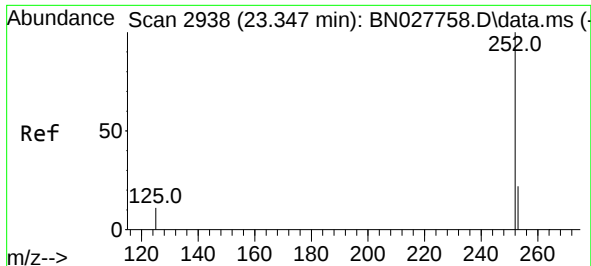
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#37
Benzo(b)fluoranthene
Concen: 4.587 ng
RT: 23.294 min Scan# 2920
Delta R.T. -0.000 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

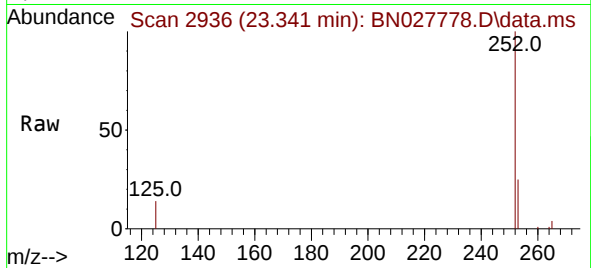
Tgt Ion:252 Resp: 364530
Ion Ratio Lower Upper
252 100
253 23.4 20.8 31.2
125 13.8 13.5 20.3





#38
Benzo(k)fluoranthene
Concen: 1.711 ng m
RT: 23.341 min Scan# 2938
Delta R.T. -0.006 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

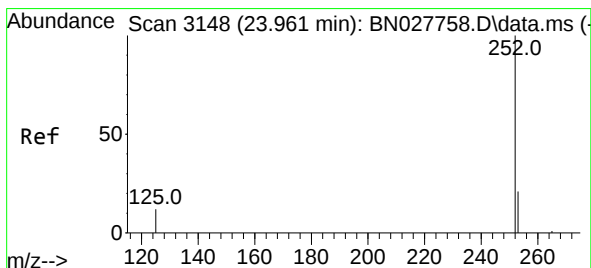
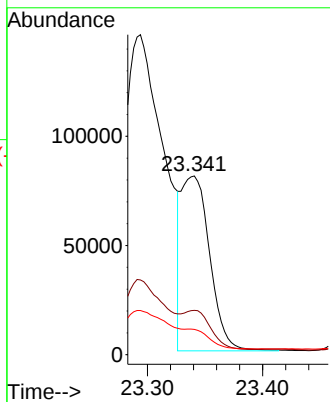
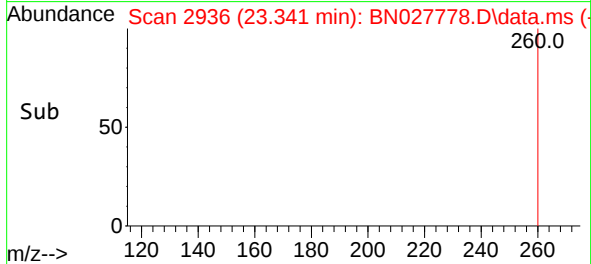
Instrument :
BNA_N
ClientSampleId :
PILE-3



Tgt Ion:252 Resp: 137874
Ion Ratio Lower Upper
252 100
253 24.8 21.2 31.8
125 14.2 13.8 20.6

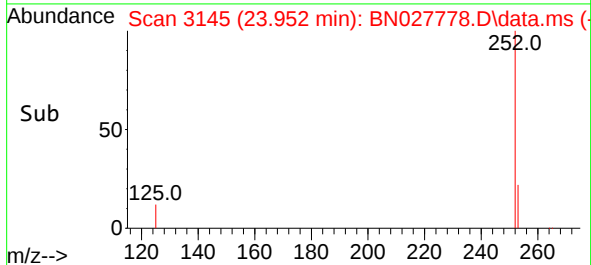
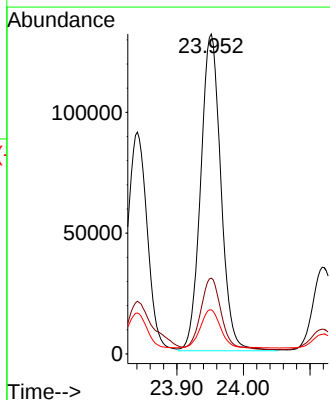
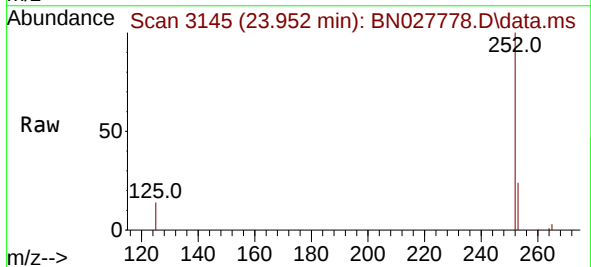
Manual Integrations
APPROVED

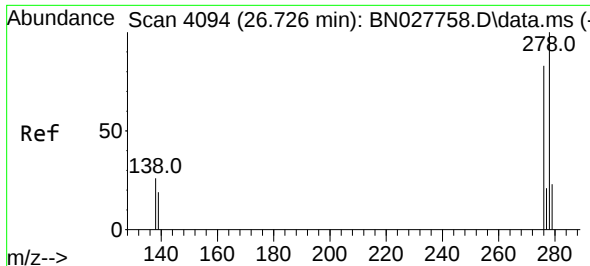
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#39
Benzo(a)pyrene
Concen: 3.824 ng m
RT: 23.952 min Scan# 3145
Delta R.T. -0.009 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:252 Resp: 276153
Ion Ratio Lower Upper
252 100
253 23.7 22.6 33.8
125 13.8 16.5 24.7#





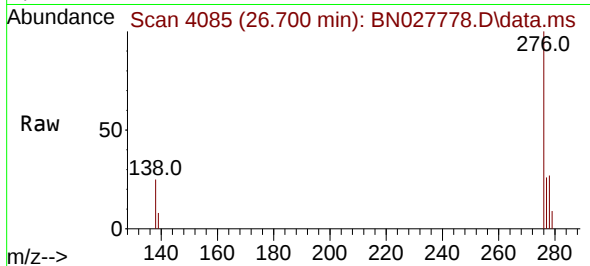
#40
Dibenzo(a,h)anthracene
Concen: 0.589 ng m
RT: 26.700 min Scan# 4094
Delta R.T. -0.026 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Instrument :

BN027778.D

ClientSampleId :

PILE-3



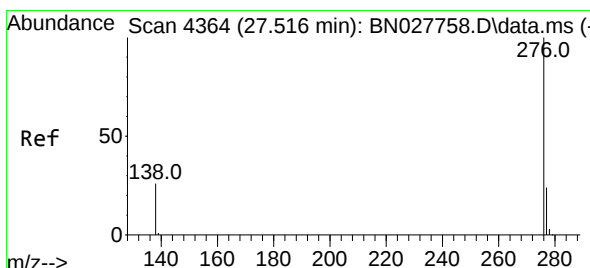
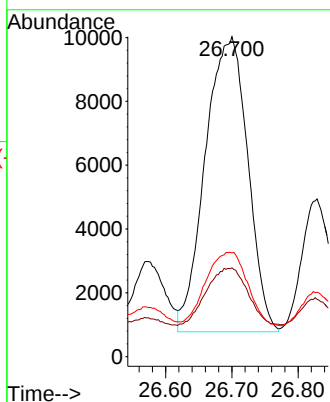
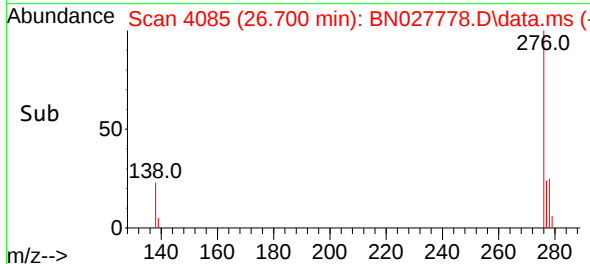
Tgt Ion:278 Resp: 41144
Ion Ratio Lower Upper
278 100
139 27.8 17.1 25.7
279 32.4 22.2 33.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#41
Benzo(g,h,i)perylene
Concen: 2.052 ng
RT: 27.510 min Scan# 4362
Delta R.T. -0.006 min
Lab File: BN027778.D
Acq: 21 Sep 2023 00:06

Tgt Ion:276 Resp: 158442
Ion Ratio Lower Upper
276 100
277 24.7 20.4 30.6
138 25.5 21.9 32.9

