

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
 Data File : BN027775.D
 Acq On : 20 Sep 2023 22:16
 Operator : MA/JU
 Sample : 04367-02 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PILE-2

Manual Integrations
 APPROVED

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

Quant Time: Sep 21 04:23:56 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	8.015	152	3742	0.400	ng	0.00
7) Naphthalene-d8	10.831	136	12115	0.400	ng	0.00
13) Acenaphthene-d10	14.640	164	6680	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	17022	0.400	ng	# 0.00
29) Chrysene-d12	21.569	240	18976	0.400	ng	# 0.00
35) Perylene-d12	24.066	264	19776	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.538	112	335	0.035	ng	0.00
5) Phenol-d6	7.156	99	432	0.037	ng	0.00
8) Nitrobenzene-d5	9.208	82	422	0.044	ng	0.00
11) 2-Methylnaphthalene-d10	12.411	152	530	0.030	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	95	0.033	ng	0.00
15) 2-Fluorobiphenyl	13.272	172	851	0.038	ng	0.00
27) Fluoranthene-d10	19.416	212	1671	0.038	ng	0.00
31) Terphenyl-d14	20.001	244	1606	0.044	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.885	128	5670	0.169	ng	98
12) 2-Methylnaphthalene	12.483	142	1991	0.085	ng	# 94
16) Acenaphthylene	14.373	152	17954	0.629	ng	100
17) Acenaphthene	14.704	154	4374	0.216	ng	97
18) Fluorene	15.680	166	6470	0.220	ng	97
25) Phenanthrene	17.430	178	144400	2.900	ng	100
26) Anthracene	17.530	178	37145	0.871	ng	97
28) Fluoranthene	19.448	202	275264	4.498	ng	100
30) Pyrene	19.816	202	262095	3.845	ng	99
32) Benzo(a)anthracene	21.551	228	151447	2.300	ng	98
33) Chrysene	21.605	228	134715	1.858	ng	97
34) Bis(2-ethylhexyl)phtha...	21.426	149	10002	0.343	ng	96
36) Indeno(1,2,3-cd)pyrene	26.682	276	93747	1.114	ng	94
37) Benzo(b)fluoranthene	23.291	252	188106	2.406	ng	94
38) Benzo(k)fluoranthene	23.335	252	64567m	0.814	ng	
39) Benzo(a)pyrene	23.952	252	138001m	1.942	ng	
40) Dibenzo(a,h)anthracene	26.691	278	21751m	0.317	ng	
41) Benzo(g,h,i)perylene	27.504	276	100697	1.326	ng	98

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

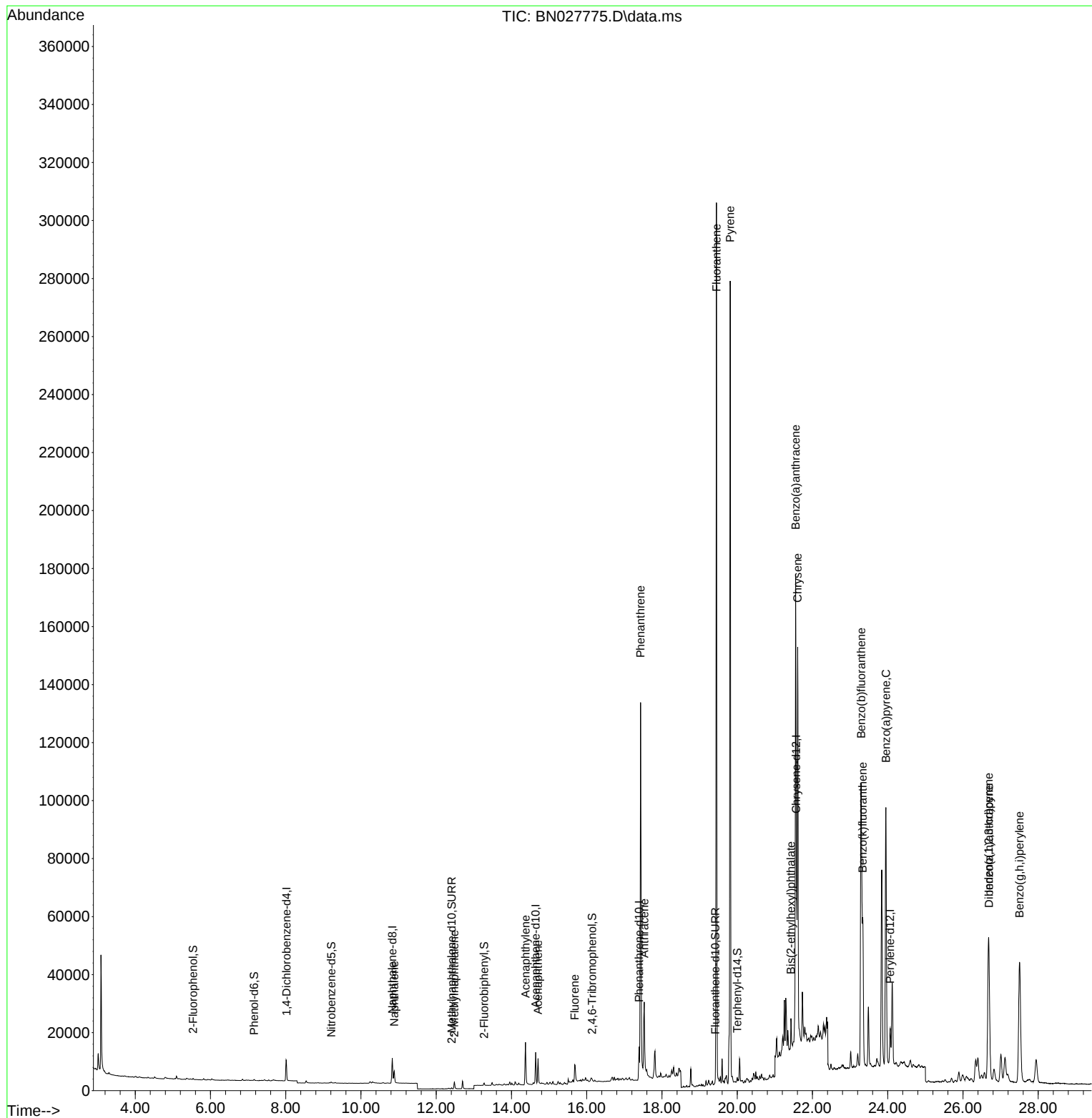
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092023\
Data File : BN027775.D
Acq On : 20 Sep 2023 22:16
Operator : MA/JU
Sample : 04367-02 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

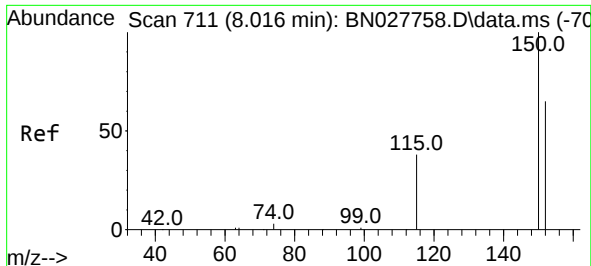
Instrument :
BNA_N
ClientSampleId :
PILE-2

Manual Integrations
APPROVED

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

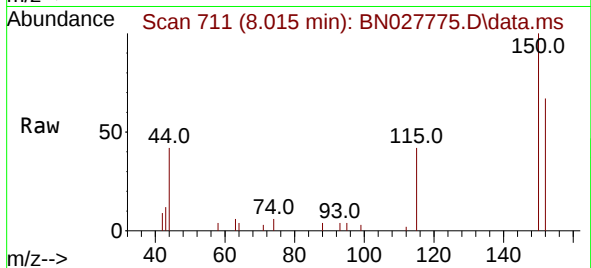
Quant Time: Sep 21 04:23:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 20 13:45:42 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.015 min Scan# 711
Delta R.T. -0.001 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

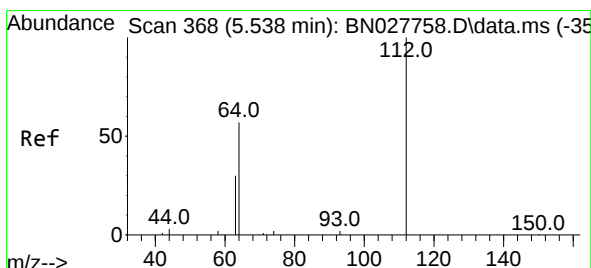
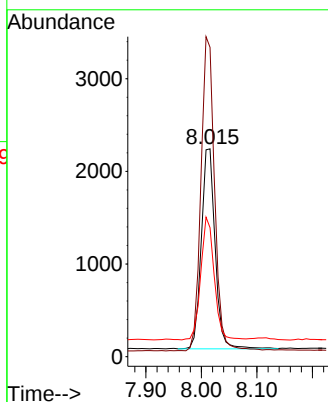
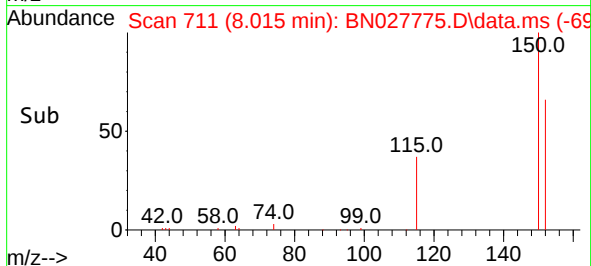
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:152 Resp: 374
Ion Ratio Lower Upper
152 100
150 148.8 120.2 180.2
115 62.0 54.5 81.7

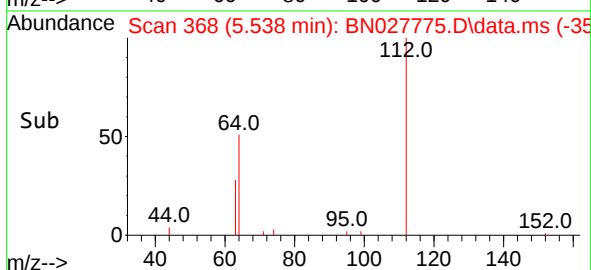
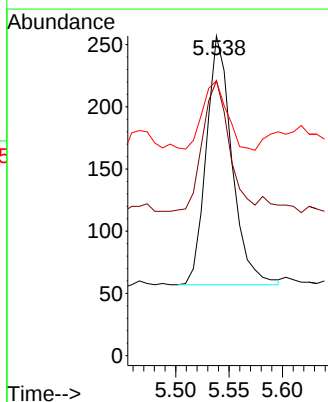
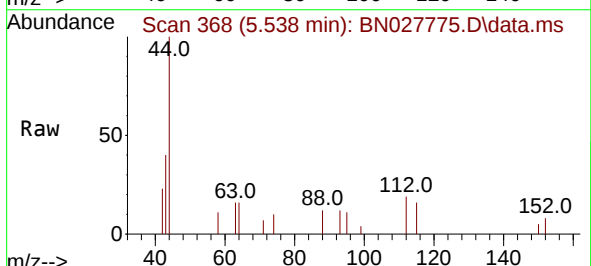
Manual Integrations
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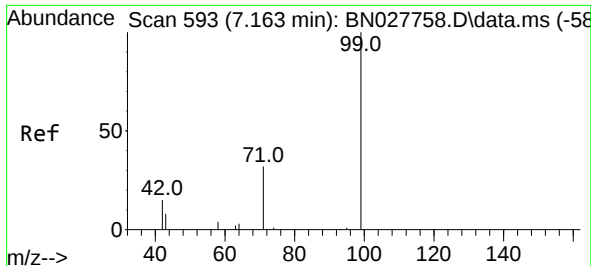
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#4
2-Fluorophenol
Concen: 0.035 ng
RT: 5.538 min Scan# 368
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

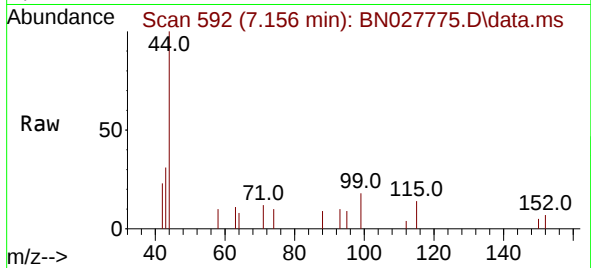
Tgt Ion:112 Resp: 335
Ion Ratio Lower Upper
112 100
64 53.7 46.1 69.1
63 27.5 24.0 36.0





#5
Phenol-d6
Concen: 0.037 ng
RT: 7.156 min Scan# 592
Delta R.T. -0.007 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

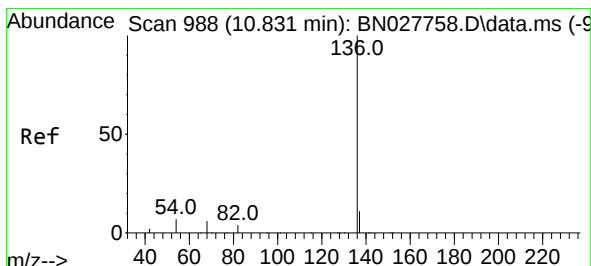
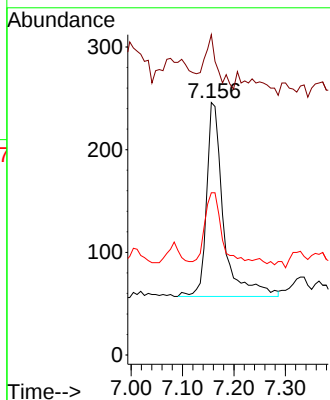
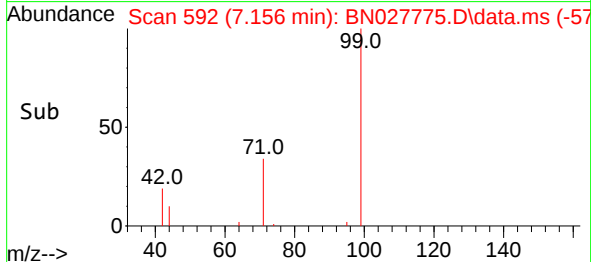
Instrument :
BNA_N
ClientSampleId :
PILE-2



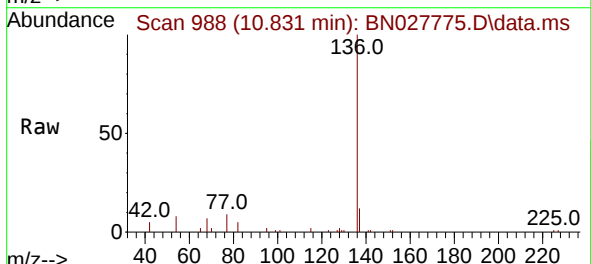
Tgt Ion: 99 Resp: 432
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 33.1 28.1 42.1

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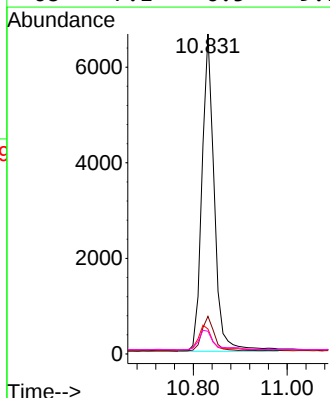
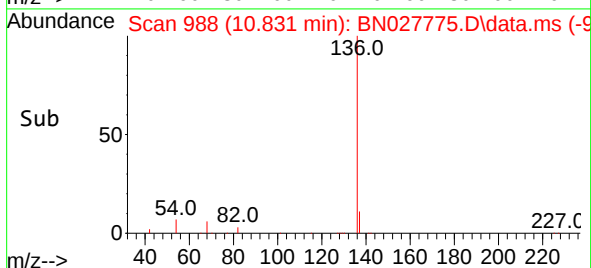
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

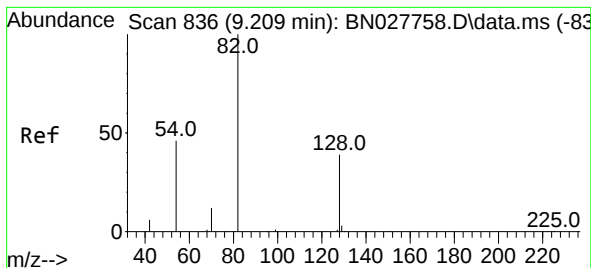


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.831 min Scan# 988
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16



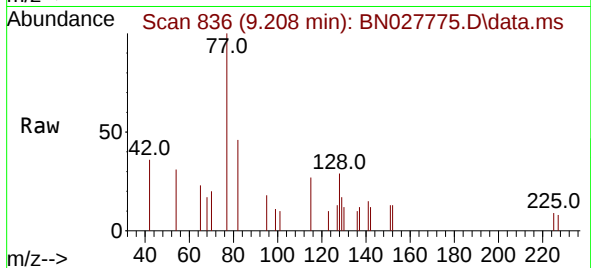
Tgt Ion:136 Resp: 12115
Ion Ratio Lower Upper
136 100
137 11.7 10.1 15.1
54 7.8 7.4 11.0
68 7.1 6.5 9.7





#8
Nitrobenzene-d5
Concen: 0.044 ng
RT: 9.208 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

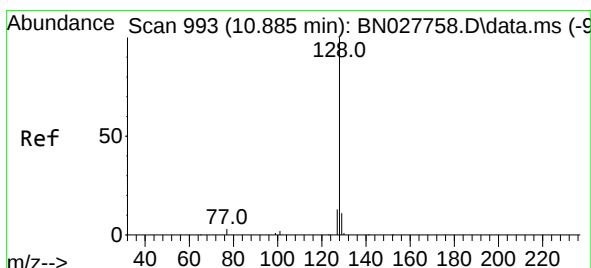
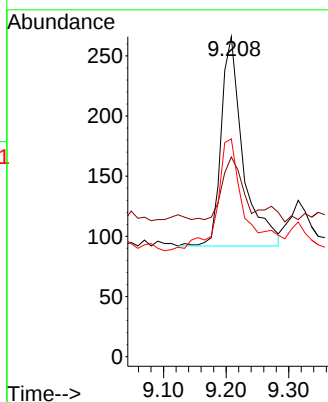
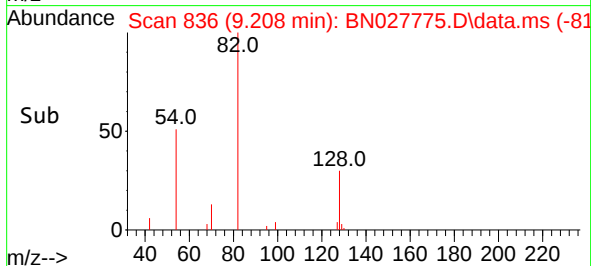
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion: 82 Resp: 42
Ion Ratio Lower Upper
82 100
128 62.4 36.8 55.2
54 68.0 39.9 59.9

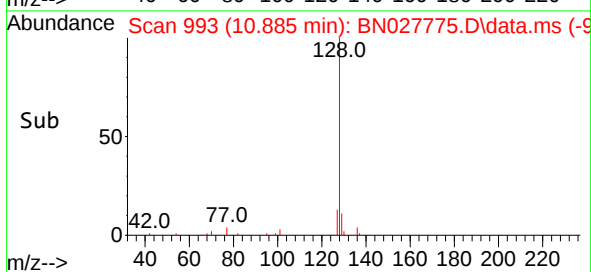
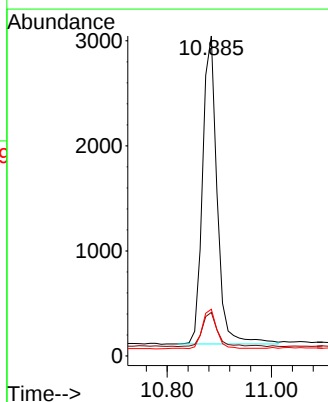
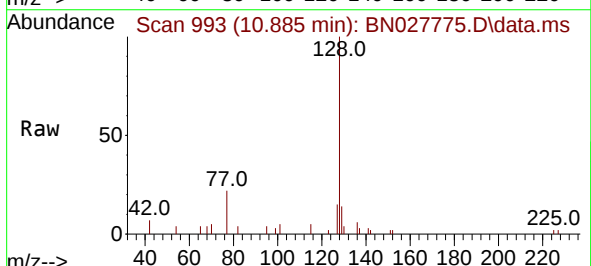
Manual Integrations
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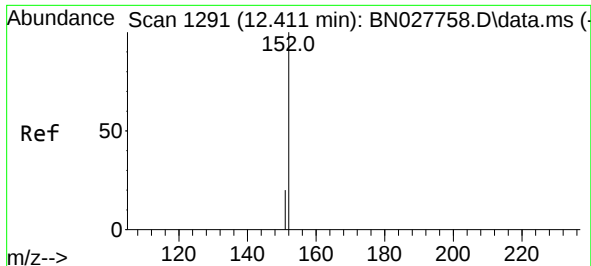
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#9
Naphthalene
Concen: 0.169 ng
RT: 10.885 min Scan# 993
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

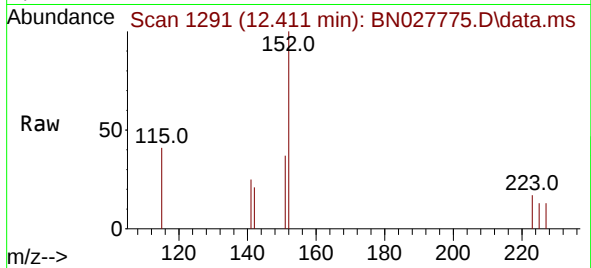
Tgt Ion:128 Resp: 5670
Ion Ratio Lower Upper
128 100
129 13.6 10.2 15.2
127 14.6 11.1 16.7





#11
2-Methylnaphthalene-d10
Concen: 0.030 ng
RT: 12.411 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

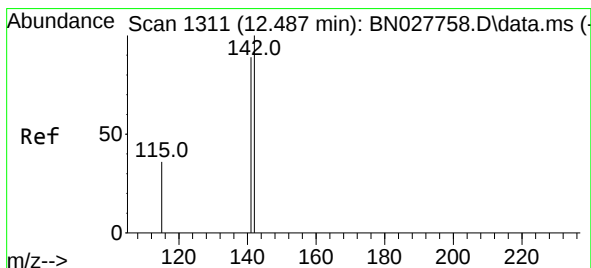
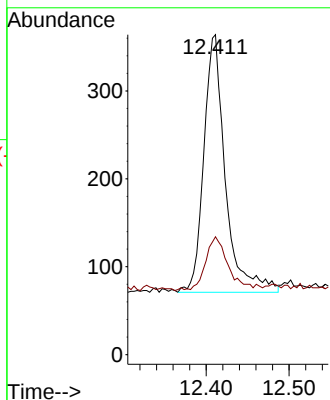
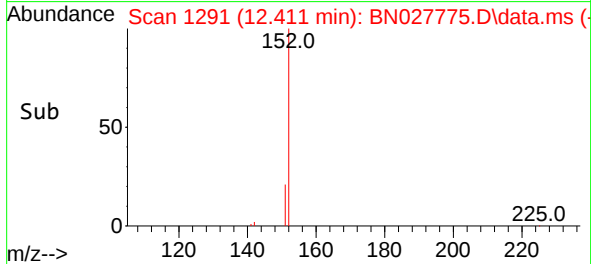
Instrument :
BNA_N
ClientSampleId :
PILE-2



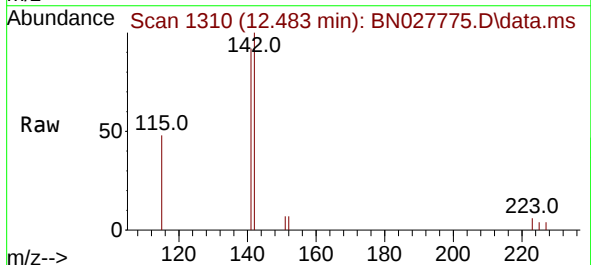
Tgt Ion:152 Resp: 530
Ion Ratio Lower Upper
152 100
151 20.6 15.6 23.4

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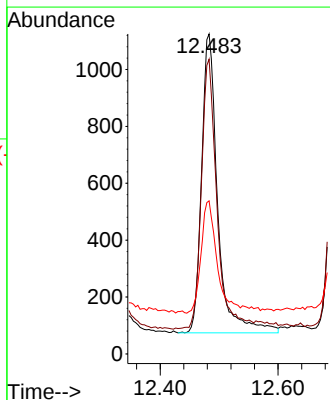
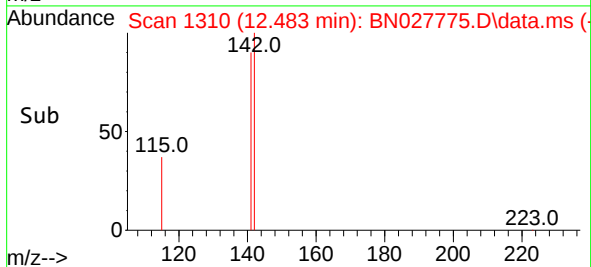
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

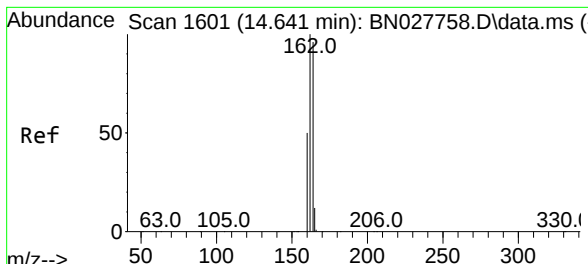


#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 12.483 min Scan# 1310
Delta R.T. -0.004 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16



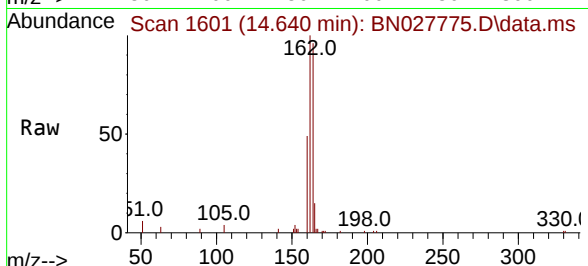
Tgt Ion:142 Resp: 1991
Ion Ratio Lower Upper
142 100
141 92.1 71.5 107.3
115 47.8 31.8 47.6#





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.640 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

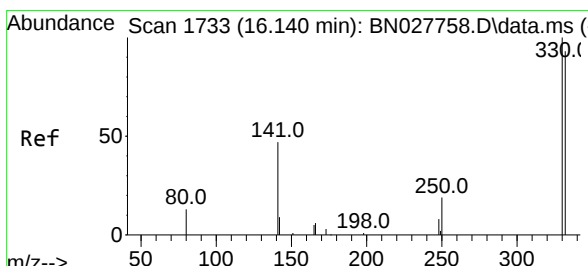
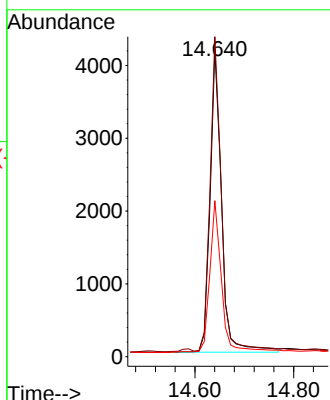
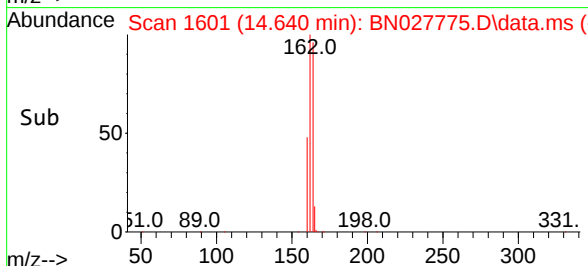
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:164 Resp: 6680
Ion Ratio Lower Upper
164 100
162 104.4 83.6 125.4
160 50.9 42.6 64.0

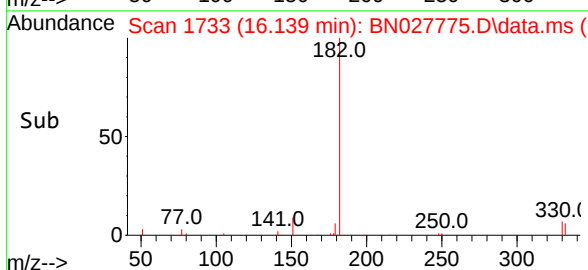
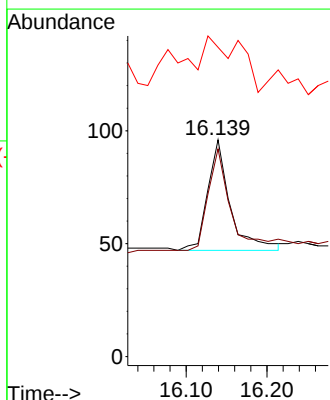
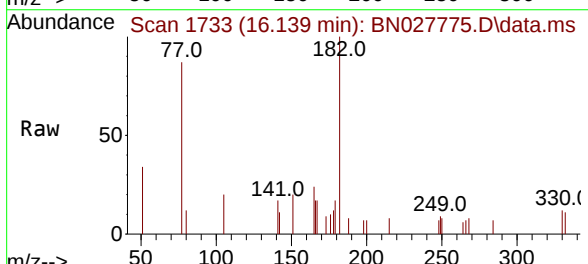
Manual Integrations
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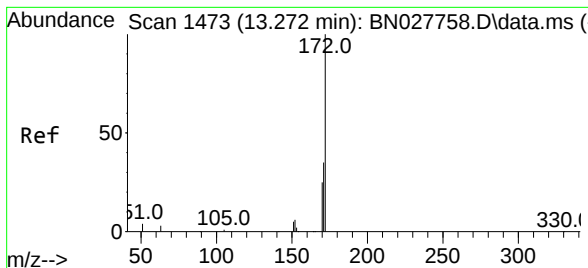
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#14
2,4,6-Tribromophenol
Concen: 0.033 ng
RT: 16.139 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

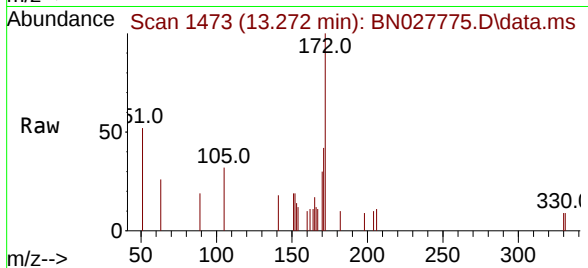
Tgt Ion:330 Resp: 95
Ion Ratio Lower Upper
330 100
332 100.0 77.0 115.4
141 54.7 38.1 57.1





#15
2-Fluorobiphenyl
Concen: 0.038 ng
RT: 13.272 min Scan# 1473
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

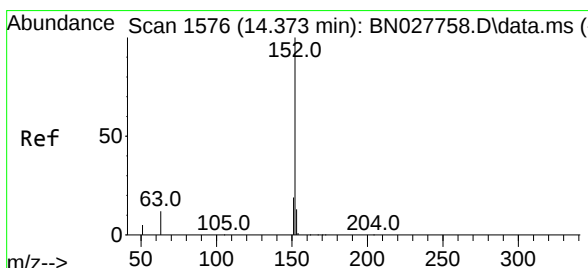
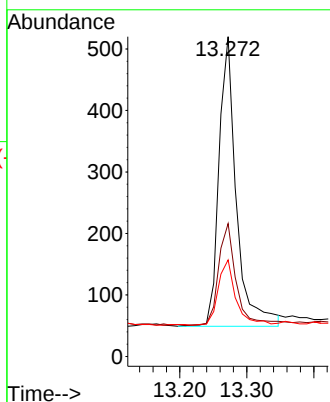
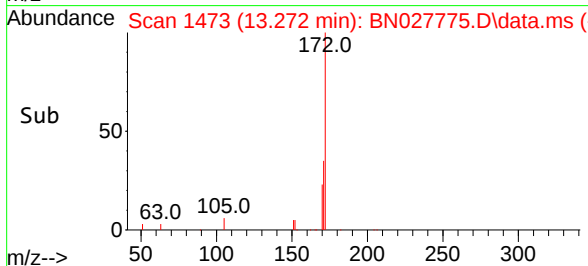
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:172 Resp: 85
Ion Ratio Lower Upper
172 100
171 41.5 29.3 43.9
170 30.2 20.8 31.2

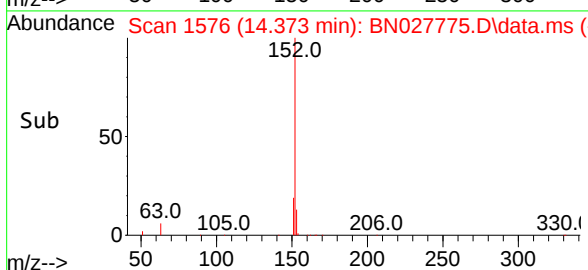
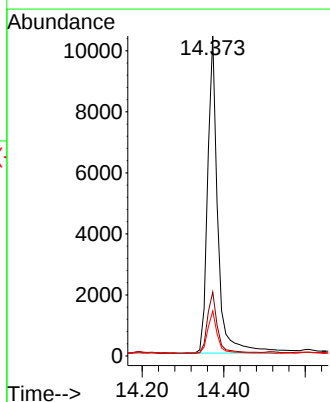
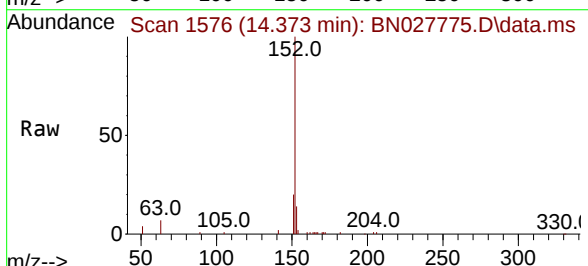
Manual Integrations
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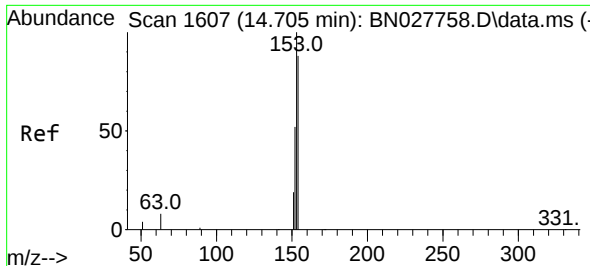
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#16
Acenaphthylene
Concen: 0.629 ng
RT: 14.373 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

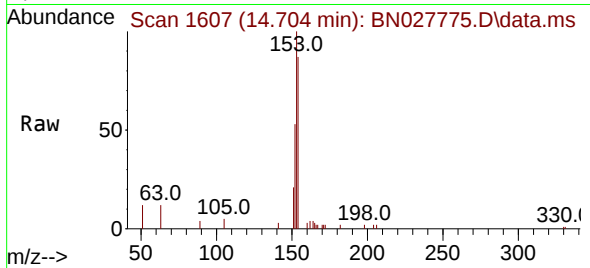
Tgt Ion:152 Resp: 17954
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 13.2 10.6 15.8





#17
Acenaphthene
Concen: 0.216 ng
RT: 14.704 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

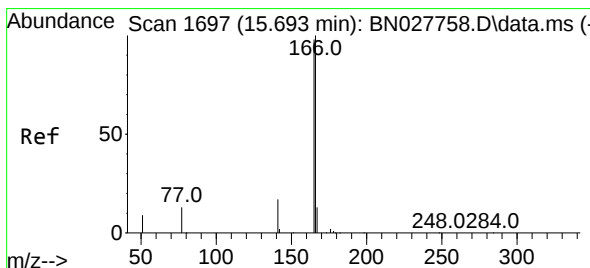
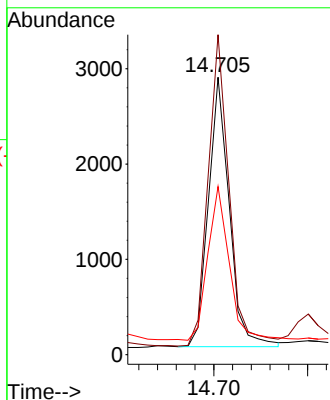
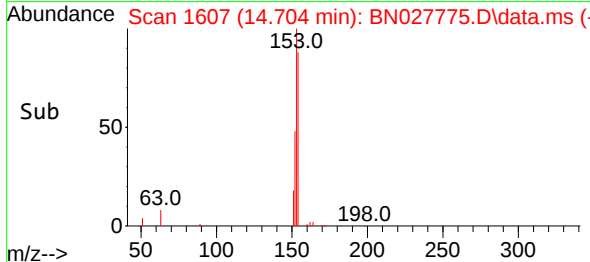
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:154 Resp: 4374
Ion Ratio Lower Upper
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153 116.8 91.0 136.6
152 57.7 47.4 71.2

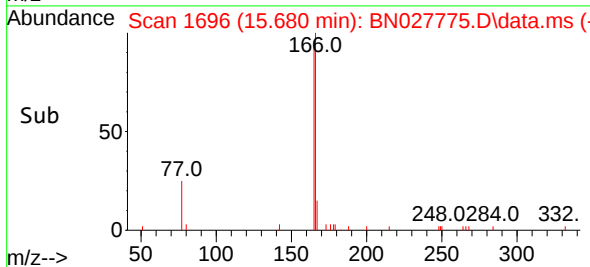
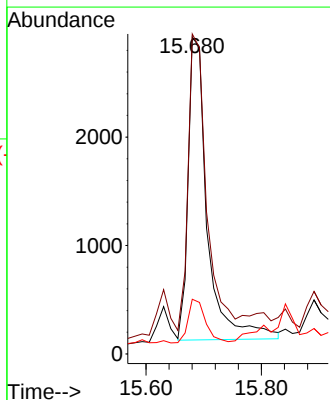
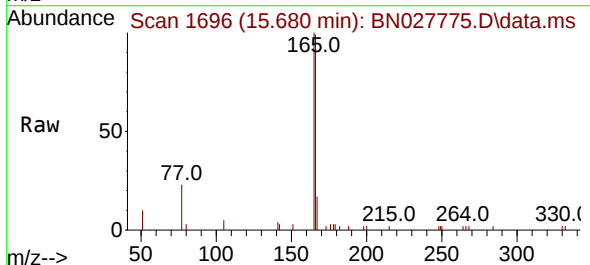
Manual Integrations
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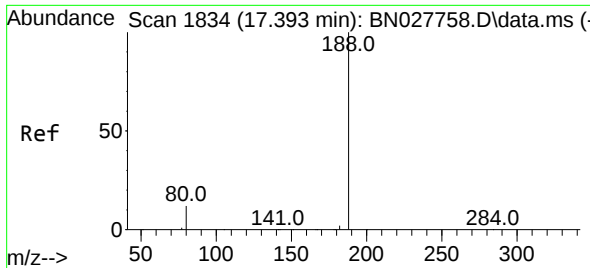
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#18
Fluorene
Concen: 0.220 ng
RT: 15.680 min Scan# 1696
Delta R.T. -0.013 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Tgt Ion:166 Resp: 6470
Ion Ratio Lower Upper
166 100
165 96.0 79.3 118.9
167 13.4 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: BN027775.D

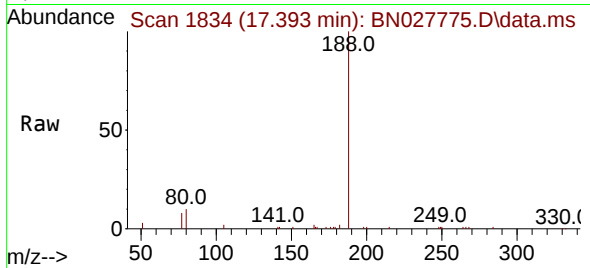
Acq: 20 Sep 2023 22:16

Instrument :

BNA_N

ClientSampleId :

PILE-2



Tgt Ion:188 Resp: 1702

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

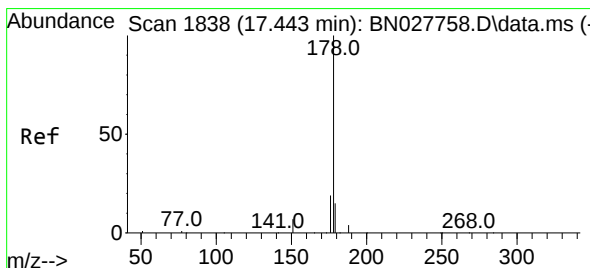
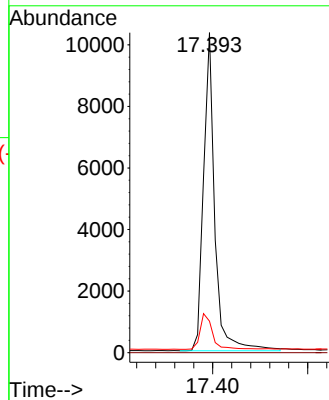
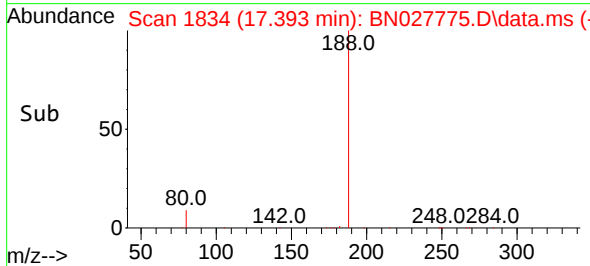
80 9.9 10.6 16.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#25

Phenanthrene

Concen: 2.900 ng

RT: 17.430 min Scan# 1837

Delta R.T. -0.013 min

Lab File: BN027775.D

Acq: 20 Sep 2023 22:16

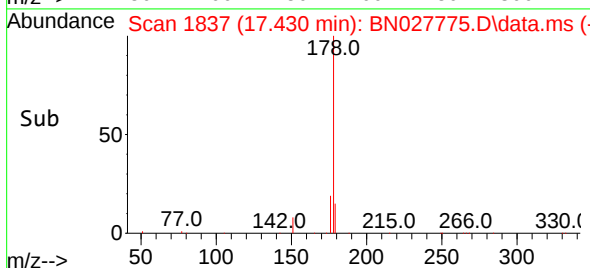
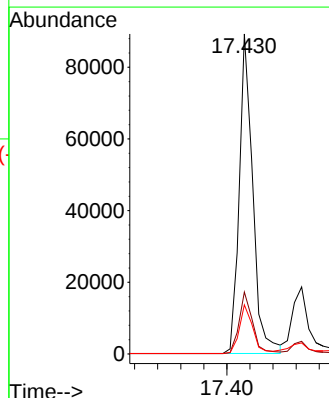
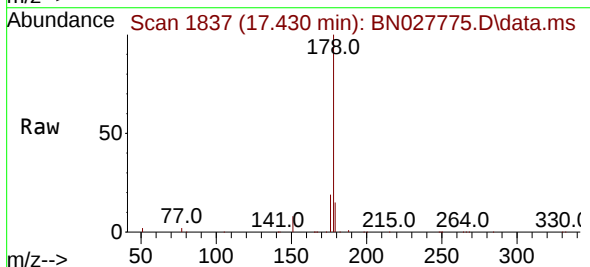
Tgt Ion:178 Resp: 144400

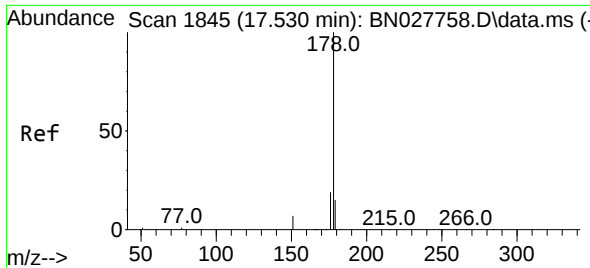
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

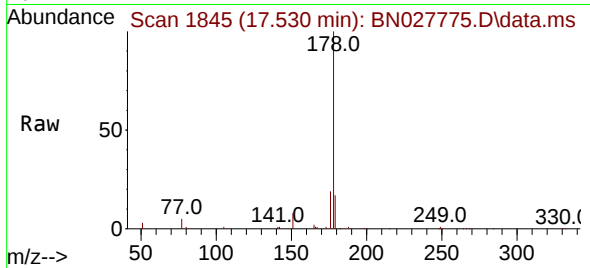
179 15.2 12.3 18.5





#26
 Anthracene
 Concen: 0.871 ng
 RT: 17.530 min Scan# 1119
 Delta R.T. -0.000 min
 Lab File: BN027775.D
 Acq: 20 Sep 2023 22:16

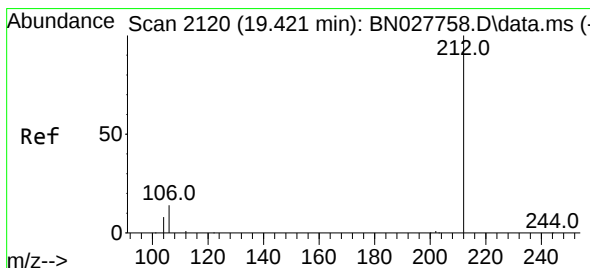
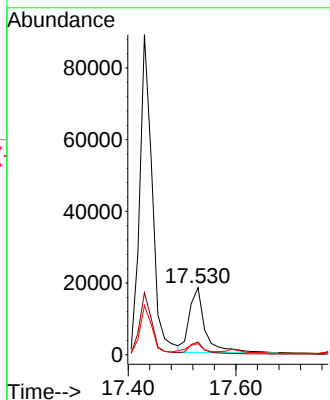
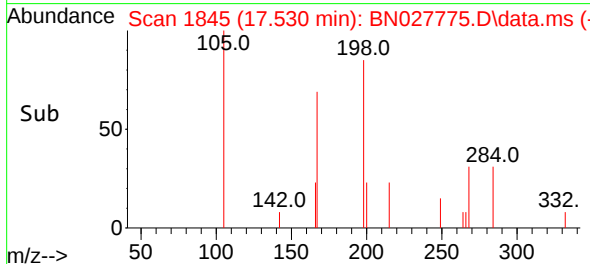
Instrument :
 BNA_N
 ClientSampleId :
 PILE-2



Tgt Ion:178 Resp: 37145
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.2 22.8
 179 13.5 12.2 18.2

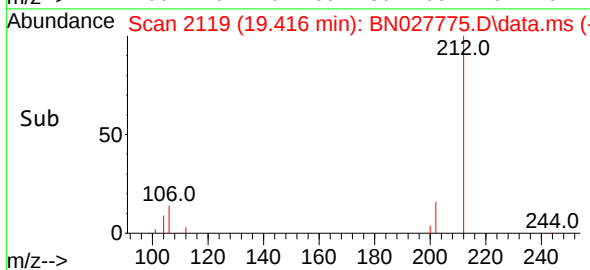
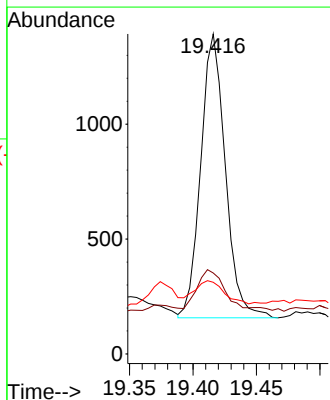
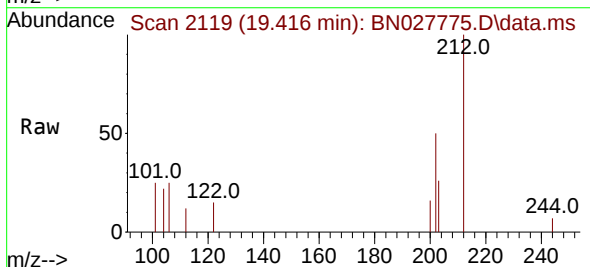
Manual Integrations
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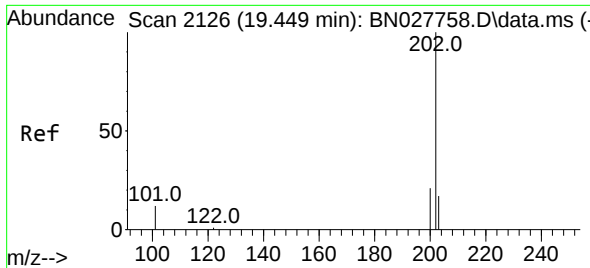
Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023



#27
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 19.416 min Scan# 2119
 Delta R.T. -0.005 min
 Lab File: BN027775.D
 Acq: 20 Sep 2023 22:16

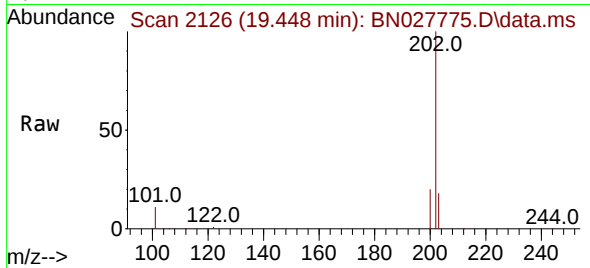
Tgt Ion:212 Resp: 1671
 Ion Ratio Lower Upper
 212 100
 106 14.6 12.2 18.2
 104 10.8 7.0 10.4





#28
Fluoranthene
Concen: 4.498 ng
RT: 19.448 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

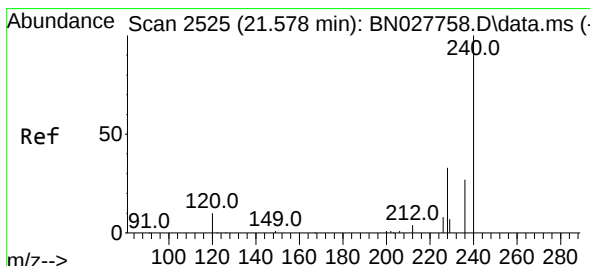
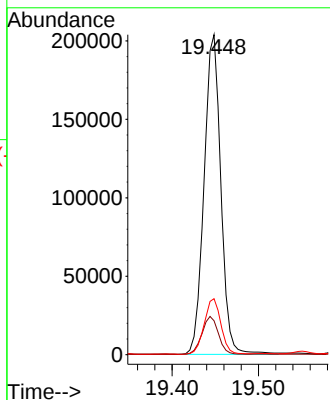
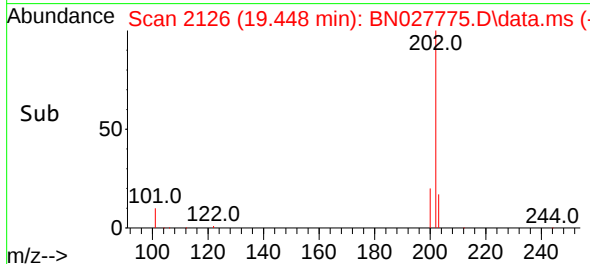
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:202 Resp: 275264
Ion Ratio Lower Upper
202 100
101 11.7 9.6 14.4
203 17.3 13.8 20.6

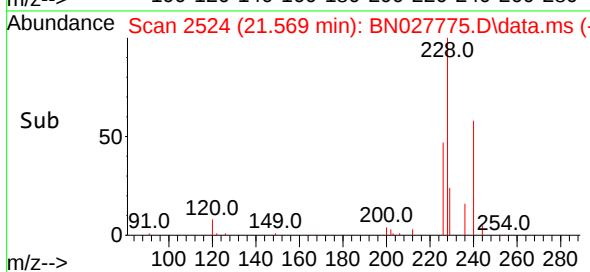
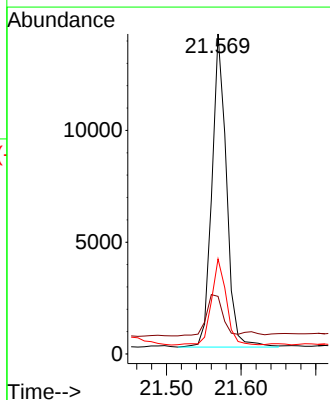
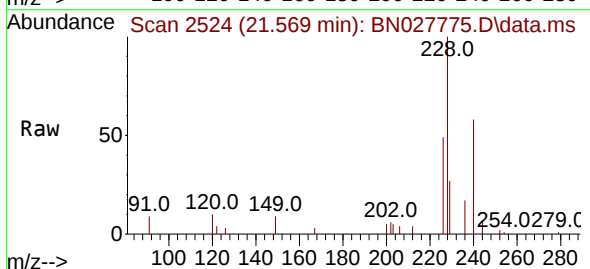
Manual Integrations
APPROVED

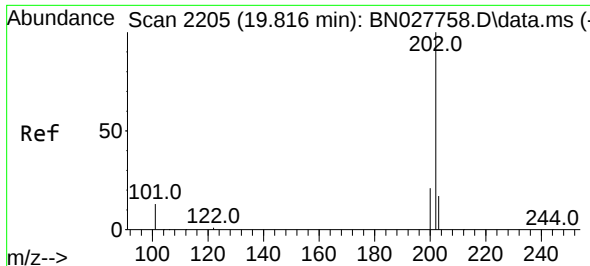
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.569 min Scan# 2524
Delta R.T. -0.009 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

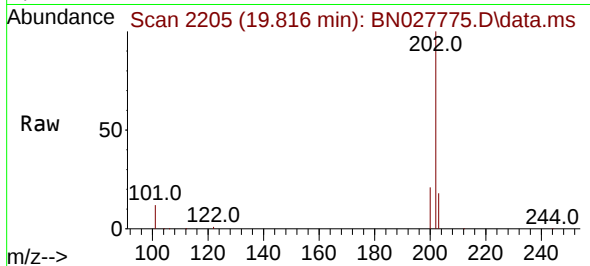
Tgt Ion:240 Resp: 18976
Ion Ratio Lower Upper
240 100
120 18.0 11.2 16.8#
236 29.7 22.8 34.2





#30
Pyrene
Concen: 3.845 ng
RT: 19.816 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

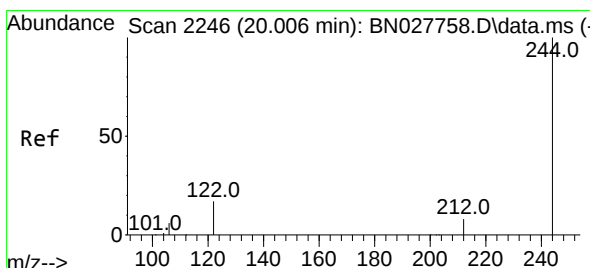
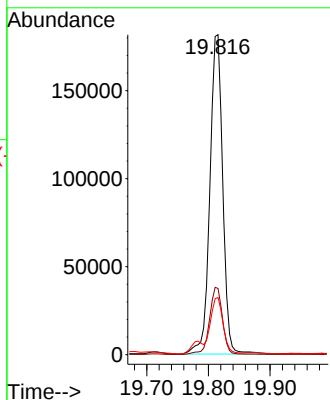
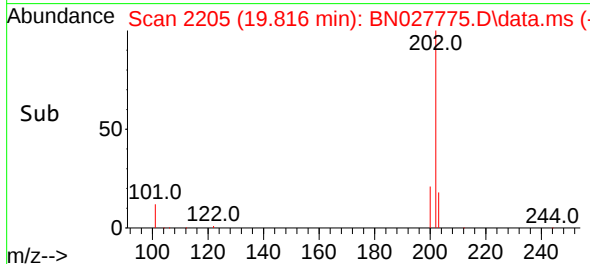
Instrument :
BNA_N
ClientSampleId :
PILE-2



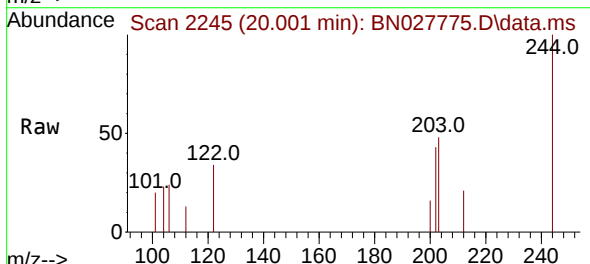
Tgt Ion:202 Resp: 26209
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.2 14.2 21.4

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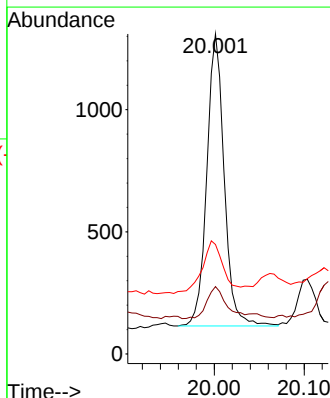
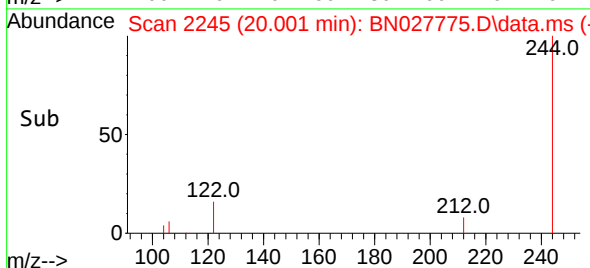
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

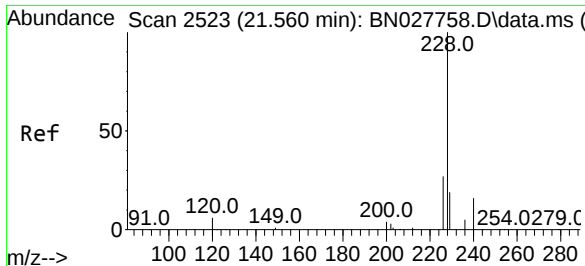


#31
Terphenyl-d14
Concen: 0.044 ng
RT: 20.001 min Scan# 2245
Delta R.T. -0.005 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16



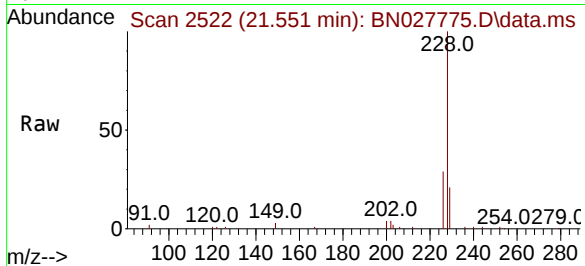
Tgt Ion:244 Resp: 1606
Ion Ratio Lower Upper
244 100
212 21.1 7.5 11.3#
122 34.2 13.9 20.9#





#32
Benzo(a)anthracene
Concen: 2.300 ng
RT: 21.551 min Scan# 2151
Delta R.T. -0.009 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

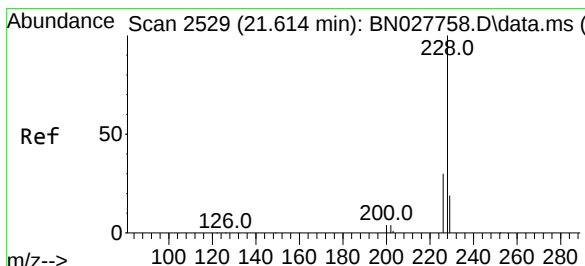
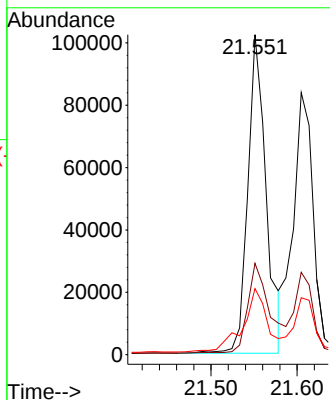
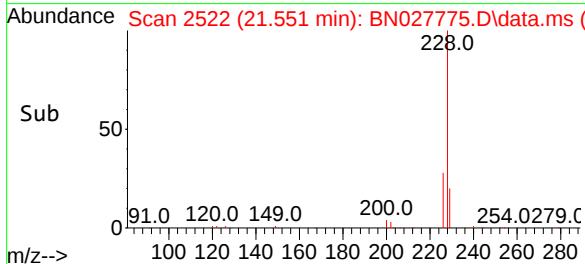
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:228 Resp: 15144
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 20.7 15.8 23.6

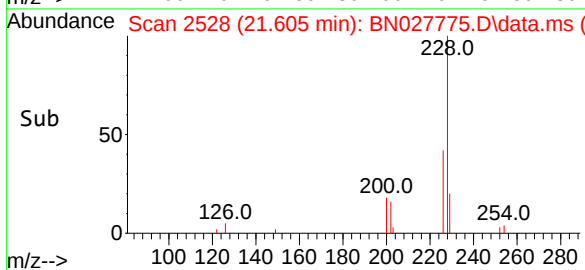
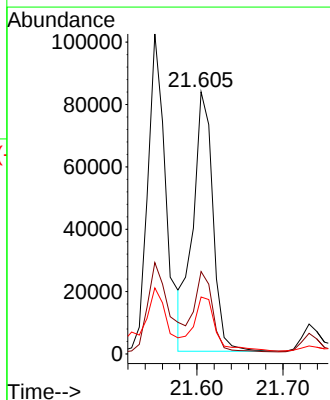
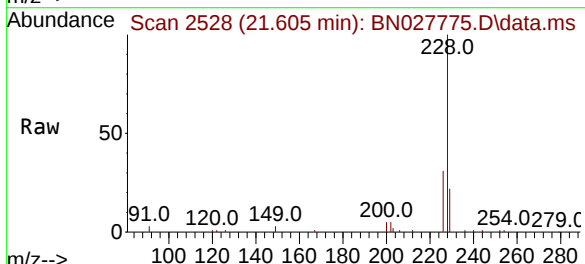
Manual Integrations
APPROVED

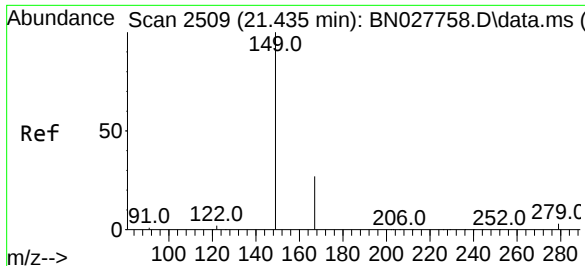
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#33
Chrysene
Concen: 1.858 ng
RT: 21.605 min Scan# 2528
Delta R.T. -0.009 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

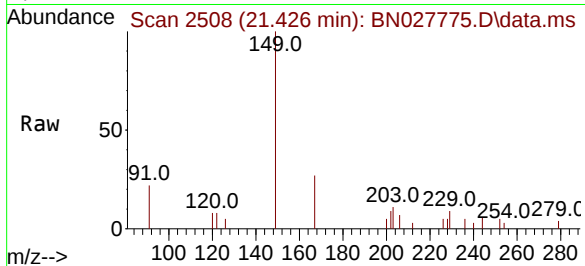
Tgt Ion:228 Resp: 134715
Ion Ratio Lower Upper
228 100
226 31.4 24.2 36.4
229 21.7 15.7 23.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.343 ng
RT: 21.426 min Scan# 2149
Delta R.T. -0.009 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

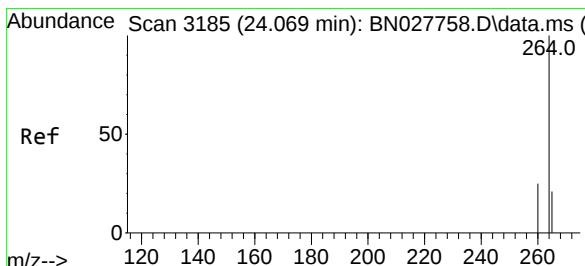
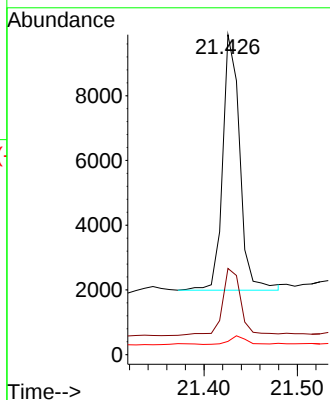
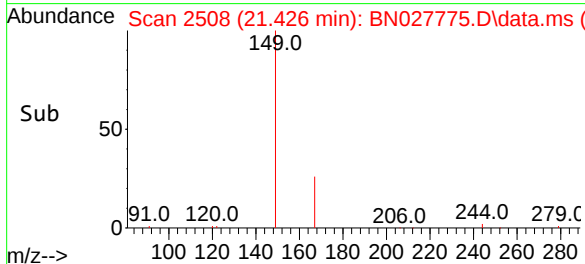
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:149 Resp: 1000
Ion Ratio Lower Upper
149 100
167 29.0 21.4 32.2
279 3.3 2.3 3.5

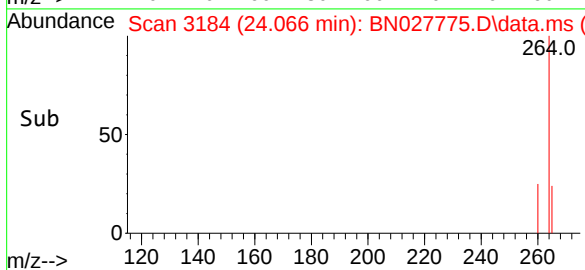
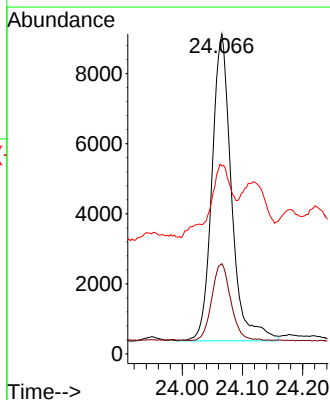
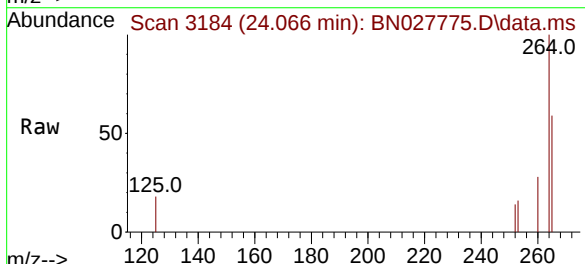
Manual Integrations
APPROVED

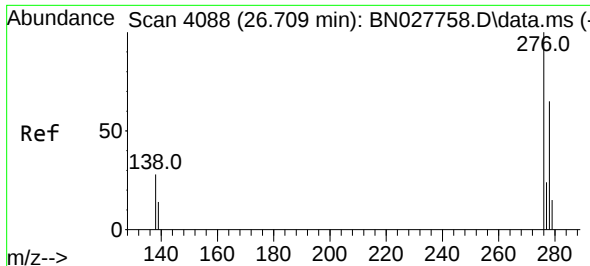
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.066 min Scan# 3184
Delta R.T. -0.003 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

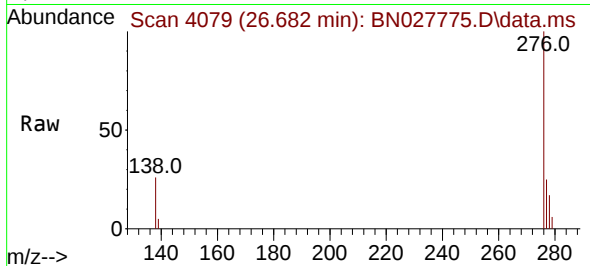
Tgt Ion:264 Resp: 19776
Ion Ratio Lower Upper
264 100
260 28.2 21.0 31.6
265 58.8 60.5 90.7#





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.114 ng
RT: 26.682 min Scan# 4088
Delta R.T. -0.026 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

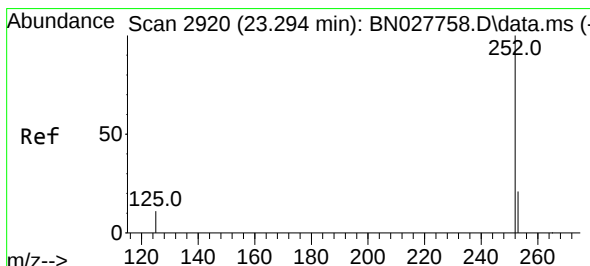
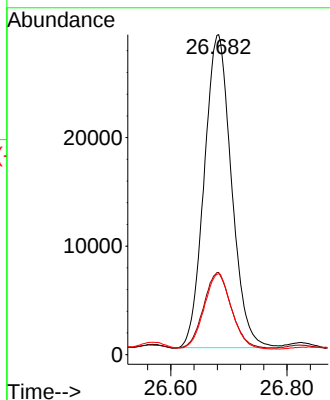
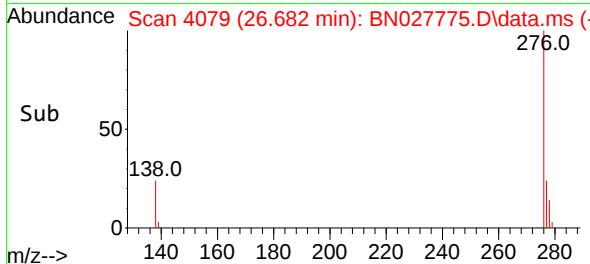
Instrument :
BNA_N
ClientSampleId :
PILE-2



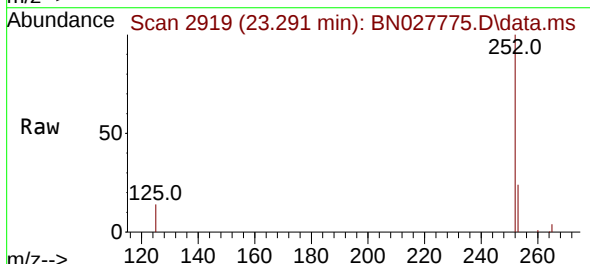
Tgt Ion:276 Resp: 9374
Ion Ratio Lower Upper
276 100
138 24.3 23.5 35.3
277 24.2 19.9 29.9

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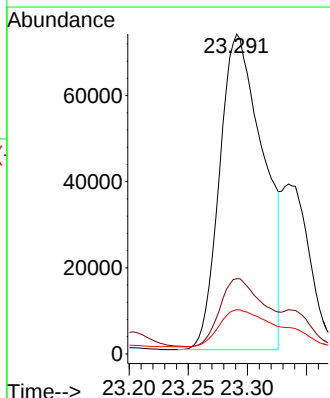
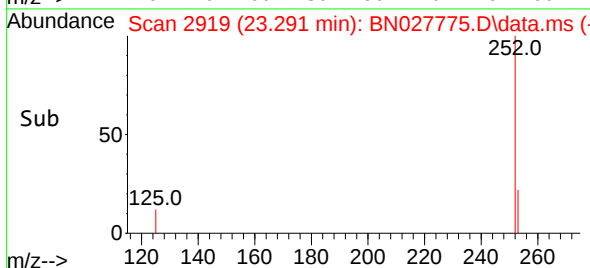
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

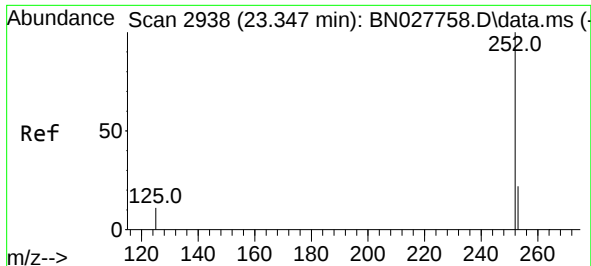


#37
Benzo(b)fluoranthene
Concen: 2.406 ng
RT: 23.291 min Scan# 2919
Delta R.T. -0.003 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16



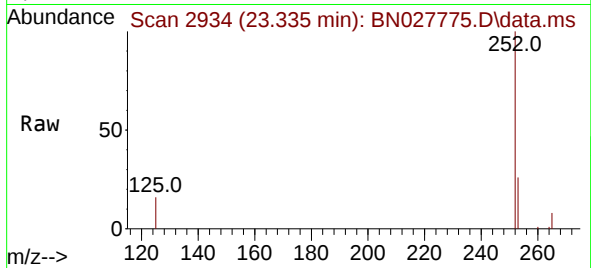
Tgt Ion:252 Resp: 188106
Ion Ratio Lower Upper
252 100
253 23.5 20.8 31.2
125 13.9 13.5 20.3





#38
Benzo(k)fluoranthene
Concen: 0.814 ng m
RT: 23.335 min Scan# 2938
Delta R.T. -0.012 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

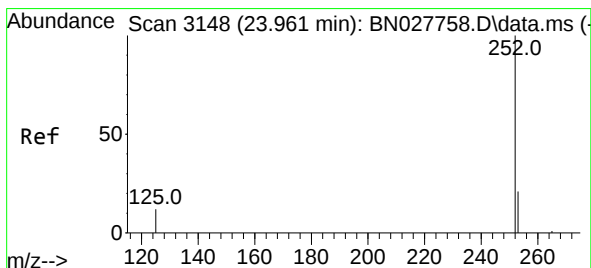
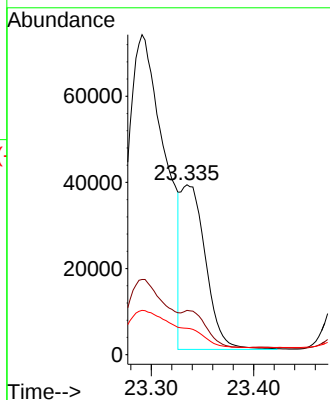
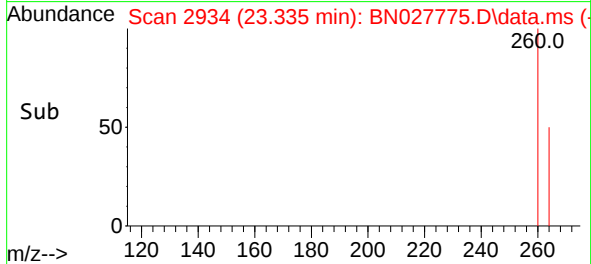
Instrument :
BNA_N
ClientSampleId :
PILE-2



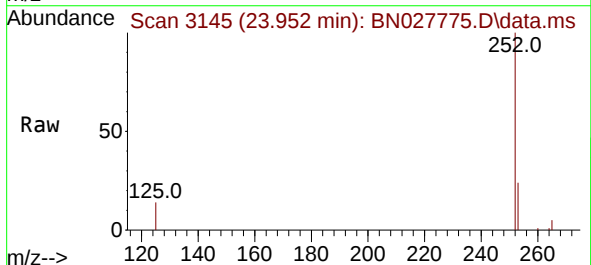
Tgt Ion:252 Resp: 6456
Ion Ratio Lower Upper
252 100
253 26.1 21.2 31.8
125 15.6 13.8 20.6

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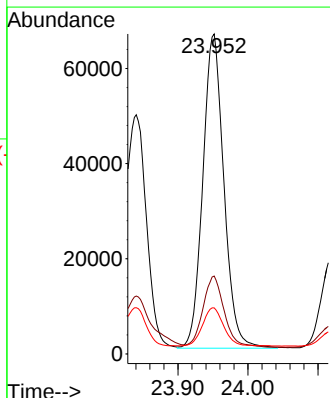
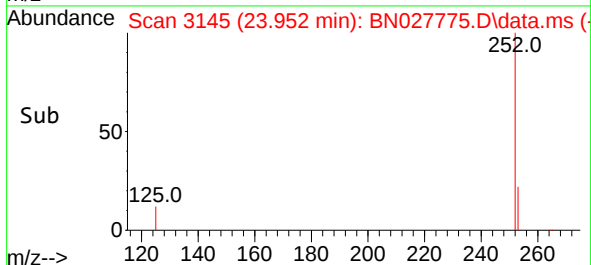
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

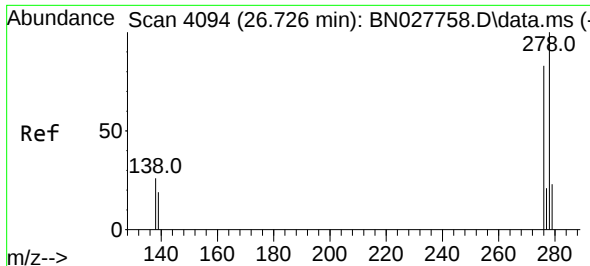


#39
Benzo(a)pyrene
Concen: 1.942 ng m
RT: 23.952 min Scan# 3145
Delta R.T. -0.009 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16



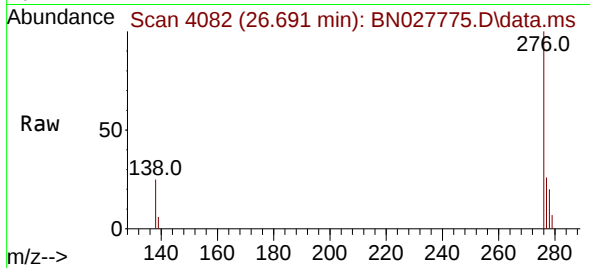
Tgt Ion:252 Resp: 138001
Ion Ratio Lower Upper
252 100
253 24.3 22.6 33.8
125 14.4 16.5 24.7#





#40
Dibenzo(a,h)anthracene
Concen: 0.317 ng m
RT: 26.691 min Scan# 40
Delta R.T. -0.035 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

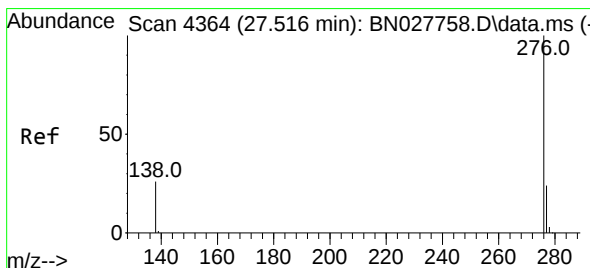
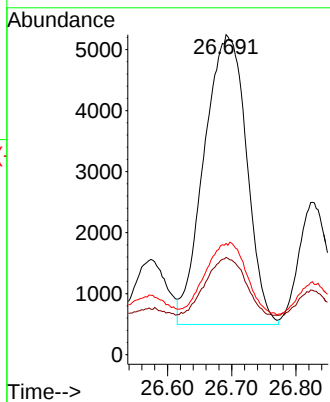
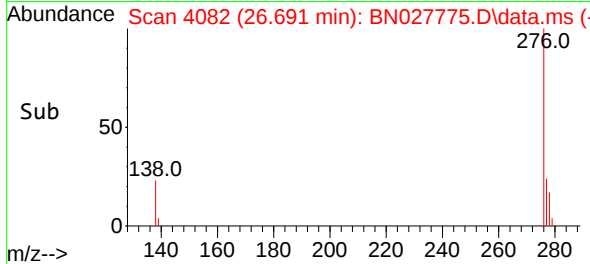
Instrument :
BNA_N
ClientSampleId :
PILE-2



Tgt Ion:278 Resp: 2175
Ion Ratio Lower Upper
278 100
139 30.4 17.1 25.7
279 34.7 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: 1.326 ng
RT: 27.504 min Scan# 4360
Delta R.T. -0.012 min
Lab File: BN027775.D
Acq: 20 Sep 2023 22:16

Tgt Ion:276 Resp: 100697
Ion Ratio Lower Upper
276 100
277 24.7 20.4 30.6
138 26.5 21.9 32.9

